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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : RFP 905

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : Q3447

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3447

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q3447-01	P001-TW1-251023-01
Q3447-02	P001-TW1-251023-01
Q3447-03	P001-TW2-251023-01
Q3447-04	P001-TW2-251023-01
Q3447-05	P001-TW3-251023-01
Q3447-06	P001-TW3-251023-01
Q3447-07	P001-TW4-251023-01
Q3447-08	P001-TW4-251023-01

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:37 am, Nov 06, 2025

Date: 11/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Order ID # Q3447
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 10/23/2025.
B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.

The Blank Spike for {PB170246BS} with File ID: BG064588.D met requirements for all compounds except for Hexachloroethane[71%], failed marginally low, Therefor no further corrective action was taken.

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

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

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The Continuous Calibration File ID BF144097.D met the requirements except for Caprolactam,Pyrene and Terphenyl-d14. Under this Continuous Calibration only diluted sample was analyzed, and failed compounds in Continuous Calibration is not associated with dilution, therefor no further corrective action was taken.

The Continuous Calibration File ID BG064583.D met the requirements except for 2-Chlorophenol,Benzaldehyde,bis(2-Chloroethyl)ether,Phenol,2-Fluorophenol and Phenol-d6, Associated samples does not have hit fir these compounds, therefor no further corrective action was taken.

The Tuning criteria met requirements.

Samples P001-TW1-251023-01, P001-TW2-251023-01, P001-TW3-251023-01 and P001-TW4-251023-01 were diluted due to viscous matrix.

Sample P001-TW1-251023-01 was diluted due to high concentration.

E. Calculation:

Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vi)\,(Wt)\,(D)}$$

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.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

$$D = \frac{100 - \%\text{moisture}}{100}$$

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

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The Sample P001-TW4-251023-01 has the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

Signature___ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 9:39 am, Nov 06, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

QA Control # A3040960

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

ORDER ID: Q3447 MATRIX: Solid

METHOD: 8270E/3541

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

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

The Continuous Calibration File ID BF144097.D met the requirements except for Caprolactam,Pyrene and Terphenyl-d14. Under this Continuous Calibration only diluted sample was analyzed, and failed compounds in Continuous Calibration is not associated with dilution, therefor no further corrective action was taken.

The Continuous Calibration File ID BG064583.D met the requirements except for 2-Chlorophenol,Benzaldehyde,bis(2-Chloroethyl)ether,Phenol,2-Fluorophenol and Phenol-d6, Associated samples does not have hit fir these compounds, therefor no further corrective action was taken.

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB170246BS} with File ID: BG064588.D met requirements for all compounds except for Hexachloroethane[71%], failed marginally low, Therefor no further corrective action was taken.			
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:

Samples P001-TW1-251023-01, P001-TW2-251023-01, P001-TW3-251023-01 and P001-TW4-251023-01 were diluted due to viscous matrix.

Sample P001-TW1-251023-01 was diluted due to high concentration.

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

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

The Sample P001-TW4-251023-01 has the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

QA REVIEW

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:39 am, Nov 06, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3447

	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:** 11/05/2025

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LAB CHRONICLE

OrderID:	Q3447	**OrderDate:**	10/23/2025 1:50:00 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3447-01	**P001-TW1-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-01DL	**P001-TW1-251023-01 DL**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/28/25	
Q3447-03	**P001-TW2-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-05	**P001-TW3-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-07	**P001-TW4-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3447

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**P001-TW1-251023-01**								
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene		52,400.000		1300	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	2-Methylnaphthalene		179,000.000	E	1500	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	1,1-Biphenyl		13,200.000		1300	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Acenaphthene		10,100.000		1300	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Fluorene		27,500.000		1500	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Phenanthrene		124,000.000		1200	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Anthracene		18,900.000		2000	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Fluoranthene		17,200.000		1800	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Pyrene		82,700.000		2100	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Benzo(a)anthracene		19,400.000		1400	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Chrysene		25,400.000		1200	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Benzo(a)pyrene		12,300.000		1700	10000	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Benzo(g,h,i)perylene		8,900.000	J	1500	10000	ug/Kg
			Total Svoc :		**591,000.00**				
Q3447-01	P001-TW1-251023-01	SOIL	Anthracene, 2-methyl-	*	69,300.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 1,4,6-trimethyl-	*	50,300.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 1,5-dimethyl-	*	70,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 1,6,7-trimethyl-	*	104,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 1-ethyl-	*	48,600.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 2,3,6-trimethyl-	*	53,800.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Naphthalene, 2,7-dimethyl-	*	77,800.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Nonadecane	*	126,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Octadecane	*	152,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Eicosane	*	168,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Phenanthrene, 1-methyl-	*	123,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Phenanthrene, 2,3-dimethyl-	*	150,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Phenanthrene, 2-methyl-	*	150,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Heneicosane	*	252,000.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	Hexadecane	*	51,400.000	J	0	0	ug/Kg
Q3447-01	P001-TW1-251023-01	SOIL	1-Methylnaphthalene	*	115,000.000	J	1500	10000	ug/Kg
			Total Tics :		**1,761,200.00**				
			Total Concentration:		**2,352,200.00**				
Client ID :	**P001-TW1-251023-01DL**								
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Naphthalene		58,500.000	D	2700	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	2-Methylnaphthalene		203,000.000	D	3000	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	1,1-Biphenyl		15,800.000	JD	2600	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Acenaphthene		10,800.000	JD	2500	20000	ug/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3447

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Fluorene		27,200.000	D	3000	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Phenanthrene		134,000.000	D	2500	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Anthracene		18,700.000	JD	3900	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Fluoranthene		16,100.000	JD	3500	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Pyrene		81,700.000	D	4200	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Benzo(a)anthracene		17,900.000	JD	2700	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Chrysene		28,300.000	D	2300	20000	ug/Kg
Q3447-01DL	P001-TW1-251023-01DL	SOIL	Benzo(a)pyrene		14,100.000	JD	3500	20000	ug/Kg
			Total Svoc :		**626,100.00**				
			Total Concentration:		**626,100.00**				
Client ID :	**P001-TW2-251023-01**								
Q3447-03	P001-TW2-251023-01	SOIL	Fluoranthene		13,000.000	J	4600	26200	ug/Kg
Q3447-03	P001-TW2-251023-01	SOIL	Pyrene		22,500.000	J	5600	26200	ug/Kg
			Total Svoc :		**35,500.00**				
Q3447-03	P001-TW2-251023-01	SOIL	28-Nor-17.alpha.(H)-hopane	*	26,300.000	J	0	0	ug/Kg
Q3447-03	P001-TW2-251023-01	SOIL	Benzene, 1,1-(1,2-dichloro-1,2-et	*	19,100.000	J	0	0	ug/Kg
Q3447-03	P001-TW2-251023-01	SOIL	di-p-Tolylacetylene	*	14,600.000	J	0	0	ug/Kg
Q3447-03	P001-TW2-251023-01	SOIL	Pyrene, 1-methyl-	*	12,000.000	J	0	0	ug/Kg
			Total Tics :		**72,000.00**				
			Total Concentration:		**107,500.00**				
Client ID :	**P001-TW3-251023-01**								
Q3447-05	P001-TW3-251023-01	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	111,000.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	10,18-Bisnorabieta-8,11,13-triene	*	85,700.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	168,000.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Dehydroabietic acid	*	100,000.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Isopimaric acid	*	15,200.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Methyl dehydroabietate	*	21,300.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Phenanthrene, 1-methyl-	*	40,100.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Phenanthrene, 3,6-dimethyl-	*	76,300.000	J	0	0	ug/Kg
Q3447-05	P001-TW3-251023-01	SOIL	Retene	*	155,000.000	J	0	0	ug/Kg
			Total Tics :		**772,600.00**				
			Total Concentration:		**772,600.00**				
Client ID :	**P001-TW4-251023-01**								
Q3447-07	P001-TW4-251023-01	SOIL	Acenaphthene		5,700.000	J	1300	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Fluorene		6,100.000	J	1500	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Phenanthrene		64,300.000		1200	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Anthracene		12,900.000		2000	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Fluoranthene		66,000.000		1800	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Pyrene		48,700.000		2100	10100	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3447

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3447-07	P001-TW4-251023-01	SOIL	Benzo(a)anthracene		44,100.000		1400	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Chrysene		43,500.000		1200	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Benzo(b)fluoranthene		81,400.000		1100	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Benzo(k)fluoranthene		28,500.000		1300	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Benzo(a)pyrene		56,700.000		1800	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Indeno(1,2,3-cd)pyrene		21,900.000		1700	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Dibenzo(a,h)anthracene		10,700.000		1600	10100	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Benzo(g,h,i)perylene		34,400.000		1500	10100	ug/Kg
			Total Svoc :		**524,900.00**				
Q3447-07	P001-TW4-251023-01	SOIL	10,18-Bisnorabieta-8,11,13-triene	*	1,300,000.000	J	0	0	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	1-Phenanthrenecarboxylic acid, 1,	*	554,000.000	J	0	0	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	1,360,000.000	J	0	0	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Methyl dehydroabietate	*	192,000.000	J	0	0	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Naphthalene, 6-ethyl-1,2,3,4-tetra	*	284,000.000	J	0	0	ug/Kg
Q3447-07	P001-TW4-251023-01	SOIL	Retene	*	458,000.000	J	0	0	ug/Kg
			Total Tics :		**4,148,000.00**				
			Total Concentration:		**4,672,900.00**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q3447

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170246BL	PB170246BL	2-Fluorophenol	150	165	110		18	112
		Phenol-d6	150	141	94		15	107
		Nitrobenzene-d5	100	105	105		18	107
		2-Fluorobiphenyl	100	92.2	92		20	109
		2,4,6-Tribromophenol	150	158	105		10	116
		Terphenyl-d14	100	94.4	94		10	105
PB170246BS	PB170246BS	2-Fluorophenol	150	130	87		18	112
		Phenol-d6	150	130	87		15	107
		Nitrobenzene-d5	100	87.7	88		18	107
		2-Fluorobiphenyl	100	82.1	82		20	109
		2,4,6-Tribromophenol	150	133	88		10	116
		Terphenyl-d14	100	83.1	83		10	105
Q3439-05MS	TP-10MS	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	97.4	65		15	107
		Nitrobenzene-d5	100	64.9	65		18	107
		2-Fluorobiphenyl	100	61.0	61		20	109
		2,4,6-Tribromophenol	150	101	67		10	116
		Terphenyl-d14	100	61.3	61		10	105
Q3439-05MSD	TP-10MSD	2-Fluorophenol	150	100	67		18	112
		Phenol-d6	150	92.8	62		15	107
		Nitrobenzene-d5	100	67.5	67		18	107
		2-Fluorobiphenyl	100	58.3	58		20	109
		2,4,6-Tribromophenol	150	105	70		10	116
		Terphenyl-d14	100	60.8	61		10	105
Q3447-01	P001-TW1-251023-01	2-Fluorophenol	150	50.3	34		18	112
		Phenol-d6	150	52.9	35		15	107
		Nitrobenzene-d5	100	38.5	39		18	107
		2-Fluorobiphenyl	100	39.5	39		20	109
		2,4,6-Tribromophenol	150	41.9	28		10	116
		Terphenyl-d14	100	34.2	34		10	105
Q3447-01DL	P001-TW1-251023-01DL	2-Fluorophenol	150	52.3	35		18	112
		Phenol-d6	150	57.8	39		15	107
		Nitrobenzene-d5	100	39.4	39		18	107
		2-Fluorobiphenyl	100	44.2	44		20	109
		2,4,6-Tribromophenol	150	35.3	24		10	116
		Terphenyl-d14	100	33.0	33		10	105
Q3447-03	P001-TW2-251023-01	2-Fluorophenol	150	99.4	66		18	112
		Phenol-d6	150	99.4	66		15	107
		Nitrobenzene-d5	100	61.1	61		18	107
		2-Fluorobiphenyl	100	69.5	70		20	109
		2,4,6-Tribromophenol	150	74.5	50		10	116
		Terphenyl-d14	100	57.0	57		10	105
Q3447-05	P001-TW3-251023-01	2-Fluorophenol	150	109	72		18	112
		Phenol-d6	150	110	73		15	107
		Nitrobenzene-d5	100	68.4	68		18	107
		2-Fluorobiphenyl	100	77.2	77		20	109
		2,4,6-Tribromophenol	150	93.4	62		10	116
		Terphenyl-d14	100	66.8	67		10	105
Q3447-07	P001-TW4-251023-01	2-Fluorophenol	150	77.5	52		18	112
		Phenol-d6	150	81.4	54		15	107
		Nitrobenzene-d5	100	52.1	52		18	107

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Surrogate Summary

SW-846

SDG No.: Q3447

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3447-07	P001-TW4-251023-01	2-Fluorobiphenyl	100	59.9	60		20	109
		2,4,6-Tribromophenol	150	78.0	52		10	116
		Terphenyl-d14	100	44.1	44		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BG064591.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3439-05MS		**Client Sample ID: TP-10MS**									
Benzaldehyde	1100	0	770	ug/Kg	70				10	171	
Phenol	1100	0	1100	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1100	0	980	ug/Kg	89				54	125	
2-Chlorophenol	1100	0	1200	ug/Kg	109				51	121	
2-Methylphenol	1100	0	1100	ug/Kg	100				47	125	
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91				46	119	
Acetophenone	1100	0	1200	ug/Kg	109				55	128	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				49	125	
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100				59	119	
Hexachloroethane	1100	0	1000	ug/Kg	91				51	116	
Nitrobenzene	1100	0	1100	ug/Kg	100				47	124	
Isophorone	1100	0	1000	ug/Kg	91				49	127	
2-Nitrophenol	1100	0	1100	ug/Kg	100				43	131	
2,4-Dimethylphenol	1100	0	1300	ug/Kg	118				63	151	
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100				51	119	
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109				50	122	
Naphthalene	1100	0	1000	ug/Kg	91				51	121	
4-Chloroaniline	1100	0	280	ug/Kg	25				10	100	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				44	126	
Caprolactam	1100	0	990	ug/Kg	90				51	134	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100	0	970	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	2200	0	3000	ug/Kg	136				10	175	
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109				33	141	
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109				38	135	
1,1-Biphenyl	1100	0	1200	ug/Kg	109				55	131	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				48	124	
2-Nitroaniline	1100	0	1100	ug/Kg	100				47	134	
Dimethylphthalate	1100	0	1000	ug/Kg	91				54	120	
Acenaphthylene	1100	0	1200	ug/Kg	109				57	125	
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109				48	127	
3-Nitroaniline	1100	0	590	ug/Kg	54				10	112	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2200	0	2100	ug/Kg	95				10	155	
4-Nitrophenol	2200	0	2300	ug/Kg	105				10	175	
Dibenzofuran	1100	0	1100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				41	140	
Diethylphthalate	1100	0	1000	ug/Kg	91				51	119	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				48	122	
Fluorene	1100	0	1100	ug/Kg	100				53	118	
4-Nitroaniline	1100	0	1100	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	1100	0	1100	ug/Kg	100				10	160	
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				67	118	
Atrazine	1100	0	1100	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BG064591.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	2300	ug/Kg	105				13	153	
Phenanthrene	1100	0	1100	ug/Kg	100				52	128	
Anthracene	1100	0	1100	ug/Kg	100				62	124	
Carbazole	1100	0	1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100	0	1000	ug/Kg	91				55	125	
Fluoranthene	1100	0	1000	ug/Kg	91				44	125	
Pyrene	1100	0	1100	ug/Kg	100				37	122	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	1100	0	470	ug/Kg	43				15	112	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				53	119	
Chrysene	1100	0	1100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1100	ug/Kg	100				42	169	
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109				51	156	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				57	134	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109				52	134	
1,4-Dioxane	1100	0	840	ug/Kg	76				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				24	146	

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BG064592.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3439-05MSD		**Client Sample ID: TP-10MSD**									
Benzaldehyde	1100	0	720	ug/Kg	65	7			10	171	20
Phenol	1100	0	1100	ug/Kg	100	0			51	122	20
bis(2-Chloroethyl)ether	1100	0	960	ug/Kg	87	2			54	125	20
2-Chlorophenol	1100	0	1100	ug/Kg	100	9			51	121	20
2-Methylphenol	1100	0	1100	ug/Kg	100	0			47	125	20
2,2-oxybis(1-Chloropropane)	1100	0	960	ug/Kg	87	4			46	119	20
Acetophenone	1100	0	1200	ug/Kg	109	0			55	128	20
3+4-Methylphenols	1100	0	1000	ug/Kg	91	9			49	125	20
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91	9			59	119	20
Hexachloroethane	1100	0	1000	ug/Kg	91	0			51	116	20
Nitrobenzene	1100	0	1200	ug/Kg	109	9			47	124	20
Isophorone	1100	0	1000	ug/Kg	91	0			49	127	20
2-Nitrophenol	1100	0	1100	ug/Kg	100	0			43	131	20
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109	8			63	151	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100	0			51	119	20
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109	0			50	122	20
Naphthalene	1100	0	1100	ug/Kg	100	9			51	121	20
4-Chloroaniline	1100	0	300	ug/Kg	27	8			10	100	20
Hexachlorobutadiene	1100	0	1100	ug/Kg	100	9			44	126	20
Caprolactam	1100	0	1100	ug/Kg	100	11			51	134	20
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100	0			57	132	20
2-Methylnaphthalene	1100	0	980	ug/Kg	89	1			59	123	20
Hexachlorocyclopentadiene	2200	0	3000	ug/Kg	136	0			10	175	20
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109	0			33	141	20
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109	0			38	135	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109	0			55	131	20
2-Chloronaphthalene	1100	0	1000	ug/Kg	91	9			48	124	20
2-Nitroaniline	1100	0	1100	ug/Kg	100	0			47	134	20
Dimethylphthalate	1100	0	1100	ug/Kg	100	9			54	120	20
Acenaphthylene	1100	0	1200	ug/Kg	109	0			57	125	20
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109	0			48	127	20
3-Nitroaniline	1100	0	630	ug/Kg	57	5			10	112	20
Acenaphthene	1100	0	1100	ug/Kg	100	0			70	121	20
2,4-Dinitrophenol	2200	0	2300	ug/Kg	105	10			10	155	20
4-Nitrophenol	2200	0	2400	ug/Kg	109	4			10	175	20
Dibenzofuran	1100	0	1100	ug/Kg	100	0			52	114	20
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109	9			41	140	20
Diethylphthalate	1100	0	1100	ug/Kg	100	9			51	119	20
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100	0			48	122	20
Fluorene	1100	0	1100	ug/Kg	100	0			53	118	20
4-Nitroaniline	1100	0	1200	ug/Kg	109	9			29	140	20
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109	9			10	160	20
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100	0			73	118	20
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100	0			65	121	20
Hexachlorobenzene	1100	0	1100	ug/Kg	100	0			67	118	20
Atrazine	1100	0	1200	ug/Kg	109	9			45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BG064592.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	2400	ug/Kg	109	4			13	153	20
Phenanthrene	1100	0	1100	ug/Kg	100	0			52	128	20
Anthracene	1100	0	1100	ug/Kg	100	0			62	124	20
Carbazole	1100	0	1100	ug/Kg	100	0			59	119	20
Di-n-butylphthalate	1100	0	1100	ug/Kg	100	9			55	125	20
Fluoranthene	1100	0	1000	ug/Kg	91	0			44	125	20
Pyrene	1100	0	1000	ug/Kg	91	9			37	122	20
Butylbenzylphthalate	1100	0	1200	ug/Kg	109	0			44	135	20
3,3-Dichlorobenzidine	1100	0	460	ug/Kg	42	2			15	112	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100	0			53	119	20
Chrysene	1100	0	1100	ug/Kg	100	0			57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1100	ug/Kg	100	0			42	169	20
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100	9			51	156	20
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100	0			52	117	20
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100	0			57	134	20
Benzo(a)pyrene	1100	0	1100	ug/Kg	100	0			70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100	0			40	129	20
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100	0			43	123	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100	0			24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109	0			52	134	20
1,4-Dioxane	1100	0	820	ug/Kg	75	1			46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1300	ug/Kg	118	8			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** 8270E

Client: Weston Solutions, Inc. **DataFile:** BG064588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170246BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*		72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	750	ug/Kg	44				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3447 **Analytical Method:** 8270E

Client: Weston Solutions, Inc. **DataFile:** BG064588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170246BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	990	ug/Kg	58				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170246BL

Lab Name: Alliance | Contract: ROYF02

Lab Code: ACE | SDG NO.: Q3447

Lab File ID: BG064587.D | Lab Sample ID: PB170246BL

Instrument ID: BNA_G | Date Extracted: 10/24/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/27/2025

Level: (low/med) LOW | Time Analyzed: 14:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170246BS	PB170246BS	BG064588.D	10/27/2025
TP-10MS	Q3439-05MS	BG064591.D	10/27/2025
TP-10MSD	Q3439-05MSD	BG064592.D	10/27/2025
P001-TW1-251023-01	Q3447-01	BF144094.D	10/27/2025
P001-TW2-251023-01	Q3447-03	BF144090.D	10/27/2025
P001-TW3-251023-01	Q3447-05	BF144091.D	10/27/2025
P001-TW4-251023-01	Q3447-07	BF144095.D	10/27/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BF144055.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:45

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BF144073.D DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	80.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BF144074.D	10/27/2025	10:27
P001-TW2-251023-01	Q3447-03	BF144090.D	10/27/2025	18:32
P001-TW3-251023-01	Q3447-05	BF144091.D	10/27/2025	19:02
P001-TW1-251023-01	Q3447-01	BF144094.D	10/27/2025	20:32
P001-TW4-251023-01	Q3447-07	BF144095.D	10/27/2025	21:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BF144096.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	88.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 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
SSTDCCC040	SSTDCCC040	BF144097.D	10/28/2025	13:17
P001-TW1-251023-01DL	Q3447-01DL	BF144116.D	10/28/2025	22:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: ROYF02

Lab Code: ACE | SDG NO.: Q3447

Lab File ID: BG064568.D | DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G | DFTPP Injection Time: 08:20

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BG064582.D DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_G DFTPP Injection Time: 11:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	81.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BG064583.D	10/27/2025	11:57
PB170246BL	PB170246BL	BG064587.D	10/27/2025	14:41
PB170246BS	PB170246BS	BG064588.D	10/27/2025	15:22
TP-10MS	Q3439-05MS	BG064591.D	10/27/2025	17:25
TP-10MSD	Q3439-05MSD	BG064592.D	10/27/2025	18:06

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	54596	6.881	204208	8.16	113226	9.92
	UPPER LIMIT	109192	7.381	408416	8.663	226452	10.422
	LOWER LIMIT	27298	6.381	102104	7.663	56613	9.422
	EPA SAMPLE NO.						
01	P001-TW1-251023-01	49825	6.88	159443	8.16	80710	9.92
02	P001-TW2-251023-01	48570	6.88	181995	8.16	102528	9.92
03	P001-TW3-251023-01	50493	6.88	184379	8.16	107099	9.92
04	P001-TW4-251023-01	51901	6.88	181596	8.16	92703	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	184414	11.41	112717	14.057	164562	15.545
	UPPER LIMIT	368828	11.91	225434	14.557	329124	16.045
	LOWER LIMIT	92207	10.91	56358.5	13.557	82281	15.045
	EPA SAMPLE NO.						
01	P001-TW1-251023-01	133890	11.42	129098	14.07	99462	15.57
02	P001-TW2-251023-01	173962	11.41	144501	14.06	176316	15.55
03	P001-TW3-251023-01	179369	11.41	140893	14.06	181449	15.54
04	P001-TW4-251023-01	151349	11.42	148380	14.09	92727	15.57

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BF144097.D Time Analyzed: 13:17

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66521	6.881	250146	8.16	147935	9.92
	UPPER LIMIT	133042	7.381	500292	8.663	295870	10.416
	LOWER LIMIT	33260.5	6.381	125073	7.663	73967.5	9.416
	EPA SAMPLE NO.						
01	P001-TW1-251023-01DL	65328	6.88	225857	8.16	115098	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BF144097.D Time Analyzed: 13:17

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	264042	11.41	128248	14.057	169914	15.539
	UPPER LIMIT	528084	11.91	256496	14.557	339828	16.039
	LOWER LIMIT	132021	10.91	64124	13.557	84957	15.039
	EPA SAMPLE NO.						
01	P001-TW1-251023-01DL	155224	11.41	152005	14.06	156185	15.56

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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	39737	8.22	173874	11.05	136456	14.84
	UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
	LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
	EPA SAMPLE NO.						
01	PB170246BL	42400	8.22	160302	11.05	130540	14.84
02	PB170246BS	43765	8.22	155179	11.05	121982	14.84
03	TP-10MS	38243	8.22	154553	11.04	118865	14.84
04	TP-10MSD	38674	8.22	147107	11.05	118113	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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	324576	17.58	347536	21.851	368889	25.194
	UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
	LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
	EPA SAMPLE NO.						
01	PB170246BL	336474	17.57	365644	21.85	385076	25.19
02	PB170246BS	291715	17.58	316000	21.86	331099	25.20
03	TP-10MS	281370	17.58	304154	21.85	332284	25.20
04	TP-10MSD	285291	17.58	313384	21.86	333950	25.20

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	9200	U	2	9200	19400	ug/Kg	10/27/25 20:32	PB170246
108-95-2	Phenol	1300	U	2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
111-44-4	bis(2-Chloroethyl)ether	1400	U	2	1400	10000	ug/Kg	10/27/25 20:32	PB170246
95-57-8	2-Chlorophenol	1400	U	2	1400	10000	ug/Kg	10/27/25 20:32	PB170246
95-48-7	2-Methylphenol	1800	U	2	1800	10000	ug/Kg	10/27/25 20:32	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	2200	U	2	2200	10000	ug/Kg	10/27/25 20:32	PB170246
98-86-2	Acetophenone	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
65794-96-9	3+4-Methylphenols	2400	U	2	2400	19400	ug/Kg	10/27/25 20:32	PB170246
621-64-7	n-Nitroso-di-n-propylamine	2800	U	2	2800	4700	ug/Kg	10/27/25 20:32	PB170246
67-72-1	Hexachloroethane	1000	UQ	2	1000	10000	ug/Kg	10/27/25 20:32	PB170246
98-95-3	Nitrobenzene	1100	U	2	1100	10000	ug/Kg	10/27/25 20:32	PB170246
78-59-1	Isophorone	1900	U	2	1900	10000	ug/Kg	10/27/25 20:32	PB170246
88-75-5	2-Nitrophenol	3400	U	2	3400	10000	ug/Kg	10/27/25 20:32	PB170246
105-67-9	2,4-Dimethylphenol	3800	U	2	3800	10000	ug/Kg	10/27/25 20:32	PB170246
111-91-1	bis(2-Chloroethoxy)methane	1800	U	2	1800	10000	ug/Kg	10/27/25 20:32	PB170246
120-83-2	2,4-Dichlorophenol	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
91-20-3	Naphthalene	52400		2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
106-47-8	4-Chloroaniline	2100	U	2	2100	10000	ug/Kg	10/27/25 20:32	PB170246
87-68-3	Hexachlorobutadiene	1500	U	2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
105-60-2	Caprolactam	3100	U	2	3100	19400	ug/Kg	10/27/25 20:32	PB170246
59-50-7	4-Chloro-3-methylphenol	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
91-57-6	2-Methylnaphthalene	179000	E	2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
77-47-4	Hexachlorocyclopentadiene	6800	U	2	6800	19400	ug/Kg	10/27/25 20:32	PB170246
88-06-2	2,4,6-Trichlorophenol	1200	U	2	1200	10000	ug/Kg	10/27/25 20:32	PB170246
95-95-4	2,4,5-Trichlorophenol	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
92-52-4	1,1-Biphenyl	13200		2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
91-58-7	2-Chloronaphthalene	1300	U	2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
88-74-4	2-Nitroaniline	2800	U	2	2800	10000	ug/Kg	10/27/25 20:32	PB170246
131-11-3	Dimethylphthalate	1600	U	2	1600	10000	ug/Kg	10/27/25 20:32	PB170246
208-96-8	Acenaphthylene	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
606-20-2	2,6-Dinitrotoluene	2000	U	2	2000	10000	ug/Kg	10/27/25 20:32	PB170246
99-09-2	3-Nitroaniline	2700	U	2	2700	10000	ug/Kg	10/27/25 20:32	PB170246
83-32-9	Acenaphthene	10100		2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
51-28-5	2,4-Dinitrophenol	13500	U	2	13500	19400	ug/Kg	10/27/25 20:32	PB170246
100-02-7	4-Nitrophenol	6300	U	2	6300	19400	ug/Kg	10/27/25 20:32	PB170246
132-64-9	Dibenzofuran	1300	U	2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
121-14-2	2,4-Dinitrotoluene	2900	U	2	2900	10000	ug/Kg	10/27/25 20:32	PB170246
84-66-2	Diethylphthalate	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
7005-72-3	4-Chlorophenyl-phenylether	1600	U	2	1600	10000	ug/Kg	10/27/25 20:32	PB170246
86-73-7	Fluorene	27500		2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
100-01-6	4-Nitroaniline	3800	U	2	3800	10000	ug/Kg	10/27/25 20:32	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	6100	U	2	6100	19400	ug/Kg	10/27/25 20:32	PB170246

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900	U	2	1900	10000	ug/Kg	10/27/25 20:32	PB170246
101-55-3	4-Bromophenyl-phenylether	1600	U	2	1600	10000	ug/Kg	10/27/25 20:32	PB170246
118-74-1	Hexachlorobenzene	1500	U	2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
1912-24-9	Atrazine	2000	U	2	2000	10000	ug/Kg	10/27/25 20:32	PB170246
87-86-5	Pentachlorophenol	3000	U	2	3000	19400	ug/Kg	10/27/25 20:32	PB170246
85-01-8	Phenanthrene	124000		2	1200	10000	ug/Kg	10/27/25 20:32	PB170246
120-12-7	Anthracene	18900		2	2000	10000	ug/Kg	10/27/25 20:32	PB170246
86-74-8	Carbazole	1800	U	2	1800	10000	ug/Kg	10/27/25 20:32	PB170246
84-74-2	Di-n-butylphthalate	2800	U	2	2800	10000	ug/Kg	10/27/25 20:32	PB170246
206-44-0	Fluoranthene	17200		2	1800	10000	ug/Kg	10/27/25 20:32	PB170246
129-00-0	Pyrene	82700		2	2100	10000	ug/Kg	10/27/25 20:32	PB170246
85-68-7	Butylbenzylphthalate	4200	U	2	4200	10000	ug/Kg	10/27/25 20:32	PB170246
91-94-1	3,3-Dichlorobenzidine	2200	U	2	2200	19400	ug/Kg	10/27/25 20:32	PB170246
56-55-3	Benzo(a)anthracene	19400		2	1400	10000	ug/Kg	10/27/25 20:32	PB170246
218-01-9	Chrysene	25400		2	1200	10000	ug/Kg	10/27/25 20:32	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	3500	U	2	3500	10000	ug/Kg	10/27/25 20:32	PB170246
117-84-0	Di-n-octyl phthalate	5100	U	2	5100	19400	ug/Kg	10/27/25 20:32	PB170246
205-99-2	Benzo(b)fluoranthene	1100	U	2	1100	10000	ug/Kg	10/27/25 20:32	PB170246
207-08-9	Benzo(k)fluoranthene	1300	U	2	1300	10000	ug/Kg	10/27/25 20:32	PB170246
50-32-8	Benzo(a)pyrene	12300		2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	1700	U	2	1700	10000	ug/Kg	10/27/25 20:32	PB170246
53-70-3	Dibenzo(a,h)anthracene	1600	U	2	1600	10000	ug/Kg	10/27/25 20:32	PB170246
191-24-2	Benzo(g,h,i)perylene	8900	J	2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	1500	U	2	1500	10000	ug/Kg	10/27/25 20:32	PB170246
123-91-1	1,4-Dioxane	2700	U	2	2700	10000	ug/Kg	10/27/25 20:32	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	1600	U	2	1600	10000	ug/Kg	10/27/25 20:32	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	50.3			18 - 112	34%	SPK: 150		
13127-88-3	Phenol-d6	52.9			15 - 107	35%	SPK: 150		
4165-60-0	Nitrobenzene-d5	38.5			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	39.5			20 - 109	39%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	41.9			10 - 116	28%	SPK: 150		
1718-51-0	Terphenyl-d14	34.2			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	49800							
1146-65-2	Naphthalene-d8	159000							
15067-26-2	Acenaphthene-d10	80700							
1517-22-2	Phenanthrene-d10	134000							
1719-03-5	Chrysene-d12	129000							
1520-96-3	Perylene-d12	99500							
TENTATIVE IDENTIFIED COMPOUNDS									
90-12-0	1-Methylnaphthalene	115000	J			8.97	ug/Kg		
001127-76-0	Naphthalene, 1-ethyl-	48600	J			9.44	ug/Kg		

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

Client:	Weston Solutions, Inc.	Date Collected:	10/23/25
Project:	RFP 905	Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01	SDG No.:	Q3447
Lab Sample ID:	Q3447-01	Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid: 100
Sample Wt/Vol:	1.02 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/24/25 08:45	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000582-16-1	Naphthalene, 2,7-dimethyl-	77800	J			9.50	ug/Kg		
000571-61-9	Naphthalene, 1,5-dimethyl-	70000	J			9.58	ug/Kg		
000544-76-3	Hexadecane	51400	J			9.85	ug/Kg		
000829-26-5	Naphthalene, 2,3,6-trimethyl-	53800	J			10.0	ug/Kg		
002131-42-2	Naphthalene, 1,4,6-trimethyl-	50300	J			10.1	ug/Kg		
002245-38-7	Naphthalene, 1,6,7-trimethyl-	104000	J			10.3	ug/Kg		
000593-45-3	Octadecane	152000	J			11.3	ug/Kg		
000629-92-5	Nonadecane	126000	J			11.7	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	123000	J			11.9	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	150000	J			12.0	ug/Kg		
000613-12-7	Anthracene, 2-methyl-	69300	J			12.0	ug/Kg		
000112-95-8	Eicosane	168000	J			12.1	ug/Kg		
003674-65-5	Phenanthrene, 2,3-dimethyl-	150000	J			12.5	ug/Kg		
000629-94-7	Heneicosane	252000	J			12.5	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Quant Time: Oct 28 10:42:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

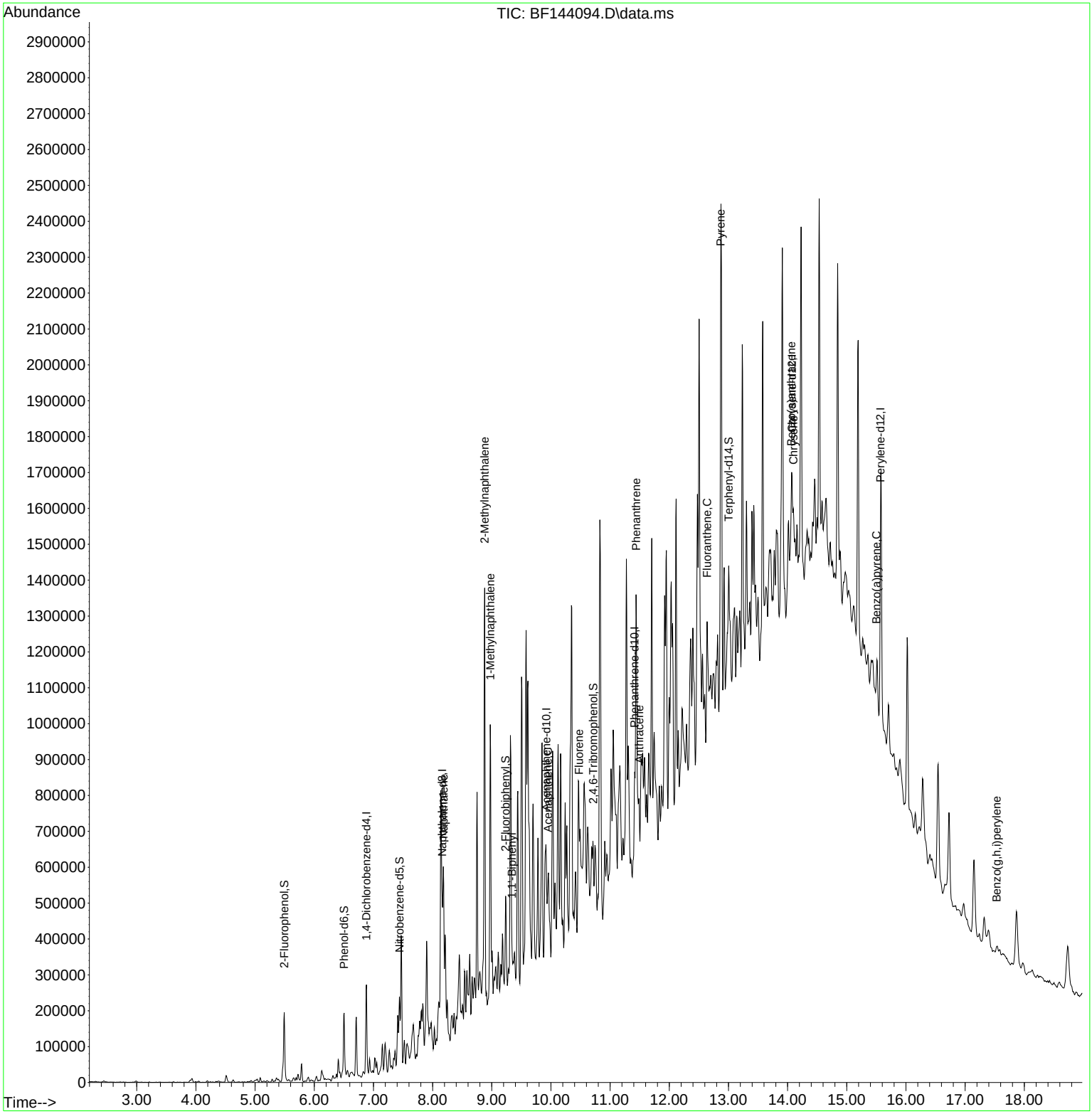
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	49825	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	159443	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	80710	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	133890	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	129098	20.000	ng	0.02
86) Perylene-d12	15.568	264	99462	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	79171	25.139	ng	0.00
7) Phenol-d6	6.504	99	91945	26.436	ng	0.00
23) Nitrobenzene-d5	7.440	82	56042	19.257	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	21514	20.926	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	113172	19.732	ng	0.00
79) Terphenyl-d14	13.004	244	126191	17.089	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.187	128	200975	26.707	ng	# 96
37) 2-Methylnaphthalene	8.881	142	453609	91.426	ng	98
38) 1-Methylnaphthalene	8.975	142	274948	58.492	ng	99
46) 1,1'-Biphenyl	9.339	154	38891	6.731	ng	98
52) Acenaphthene	9.951	154	22466	5.154	ng	# 69
58) Fluorene	10.475	166	64771	14.048	ng	# 83
71) Phenanthrene	11.439	178	420665	63.248	ng	97
72) Anthracene	11.492	178	66380	9.661	ng	# 89
75) Fluoranthene	12.639	202	64367	8.760	ng	69
78) Pyrene	12.869	202	391662	42.199	ng	# 94
81) Benzo(a)anthracene	14.063	228	86420	9.905	ng	# 26
83) Chrysene	14.098	228	105898	12.935	ng	# 45
90) Benzo(a)pyrene	15.504	252	31582	6.261	ng	# 44
92) Benzo(g,h,i)perylene	17.533	276	24598	4.526	ng	# 74

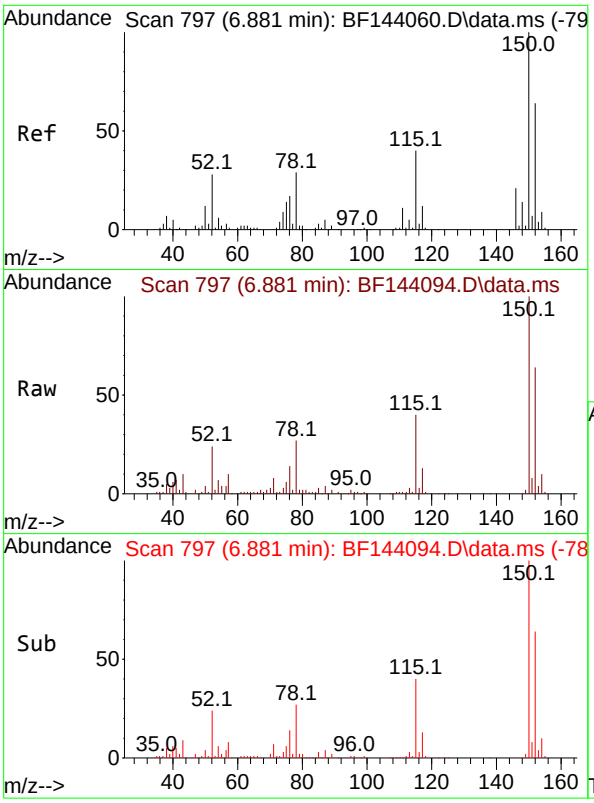
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Quant Time: Oct 28 10:42:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



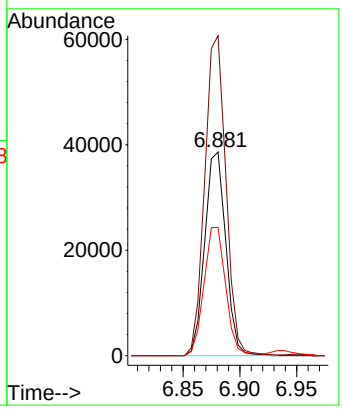


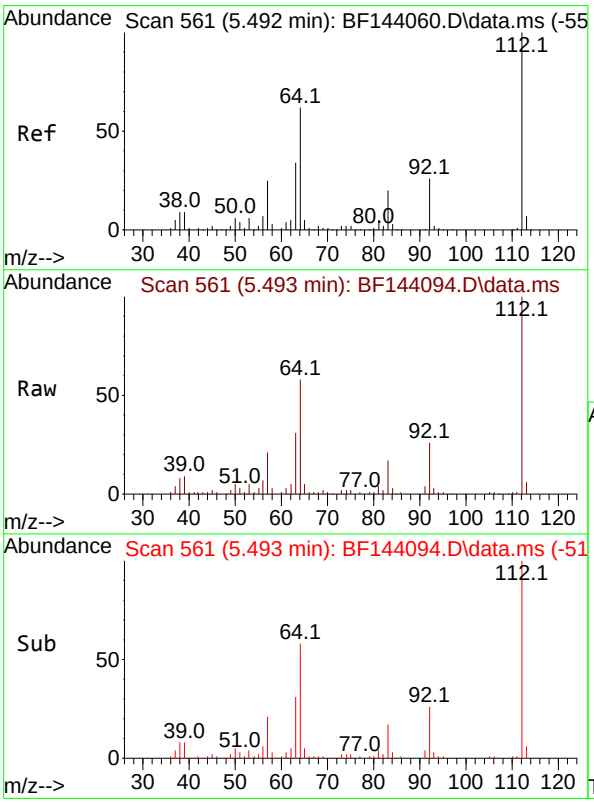
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:152 Resp: 49825

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.4	186.6
115	63.0	49.4	74.0

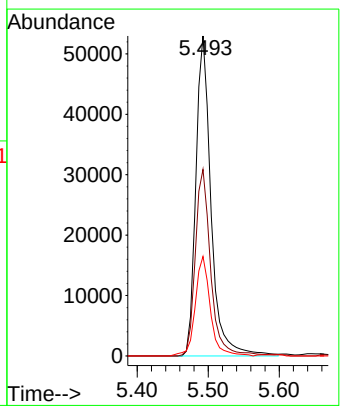


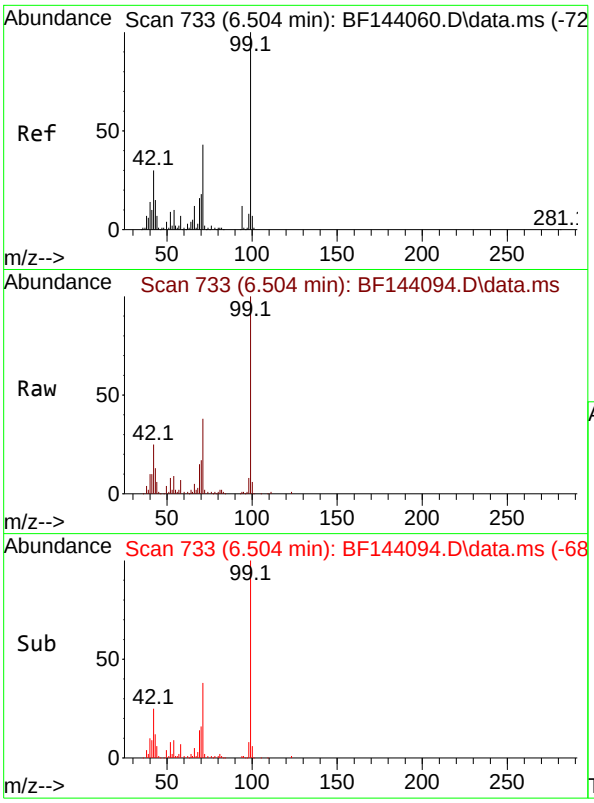


#5
2-Fluorophenol
Concen: 25.139 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:112 Resp: 79171

Ion	Ratio	Lower	Upper
112	100		
64	58.3	49.8	74.8
63	31.1	27.4	41.2



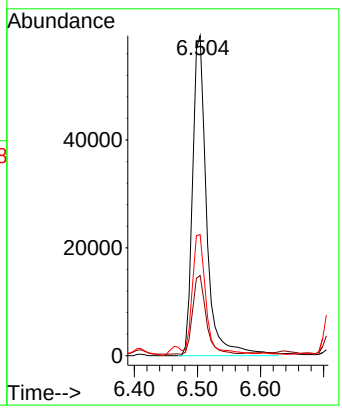


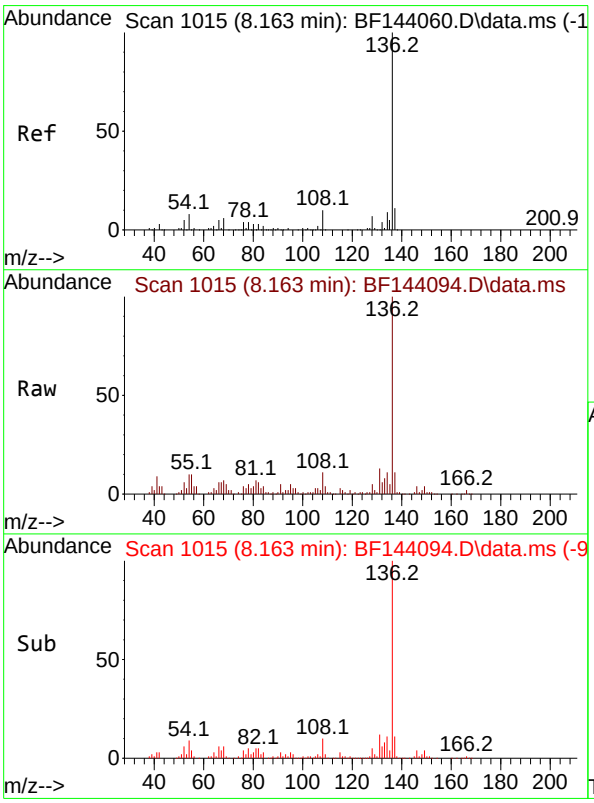
#7
Phenol-d6
Concen: 26.436 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion: 99 Resp: 91945

Ion	Ratio	Lower	Upper
99	100		
42	25.0	23.9	35.9
71	37.8	34.4	51.6

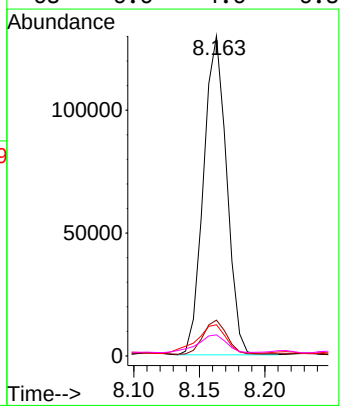


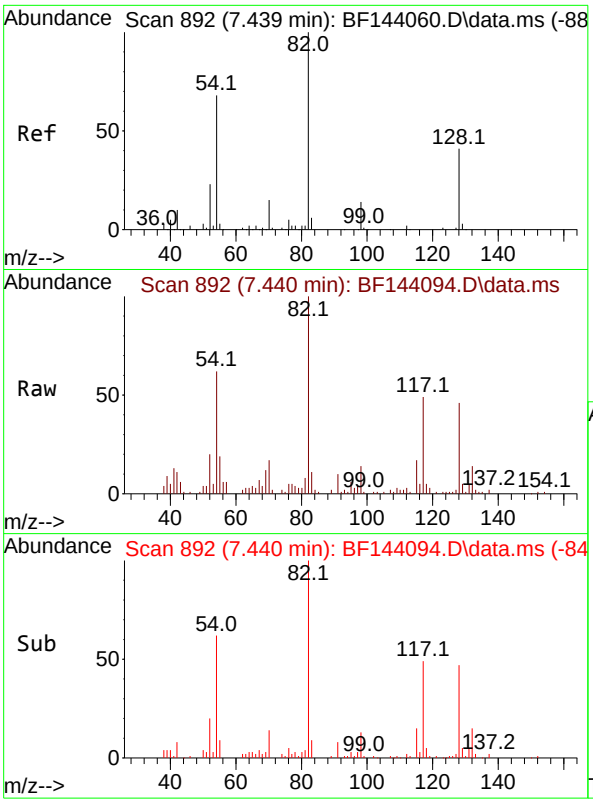


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:136 Resp: 159443

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.7	6.6	9.8
68	6.6	4.6	6.8



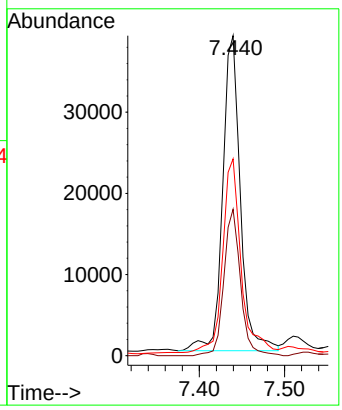


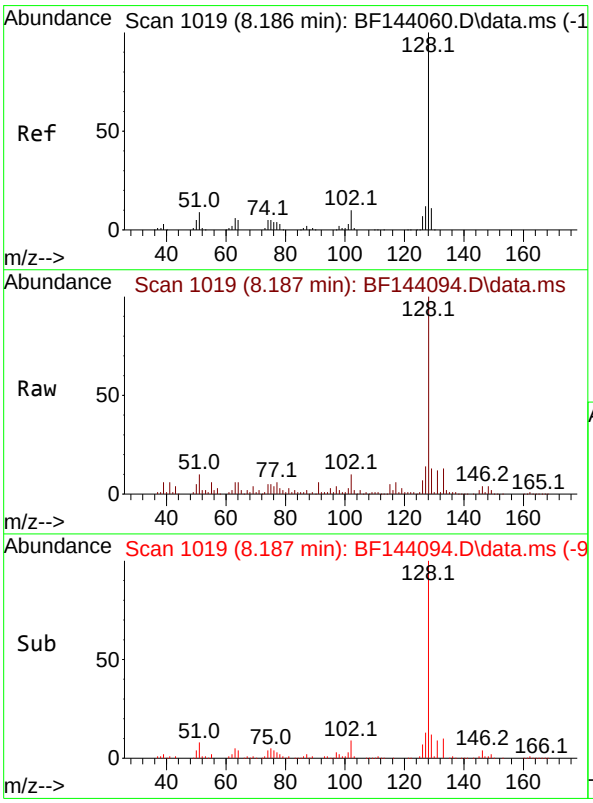
#23
Nitrobenzene-d5
Concen: 19.257 ng
RT: 7.440 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion: 82 Resp: 56042

Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.4	48.6
54	61.5	54.0	81.0

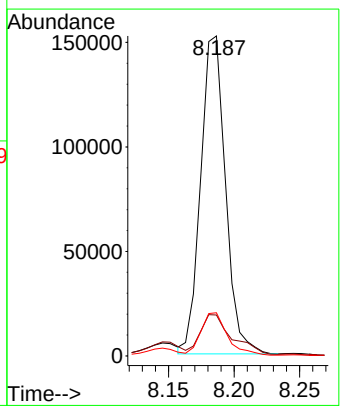


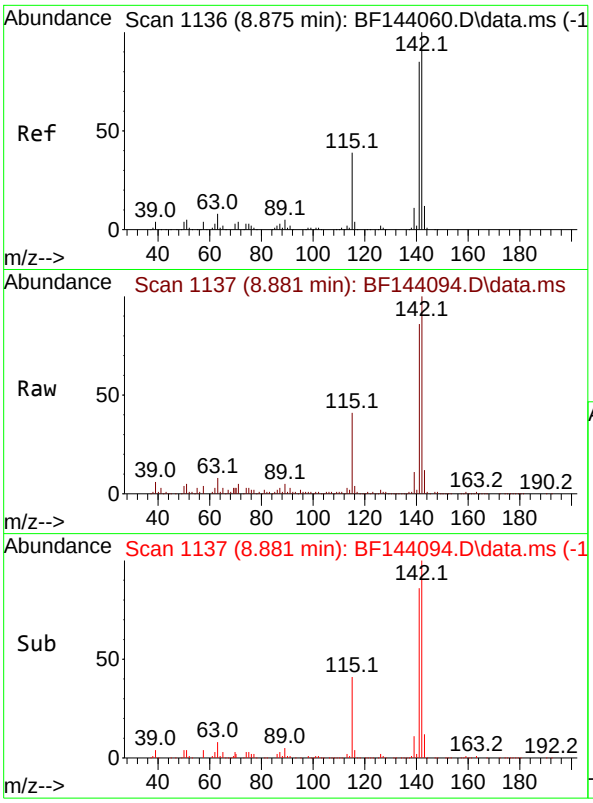


#31
Naphthalene
Concen: 26.707 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:128 Resp: 200975

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.4	12.6#
127	13.5	9.9	14.9



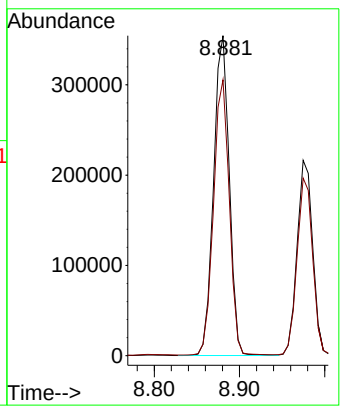


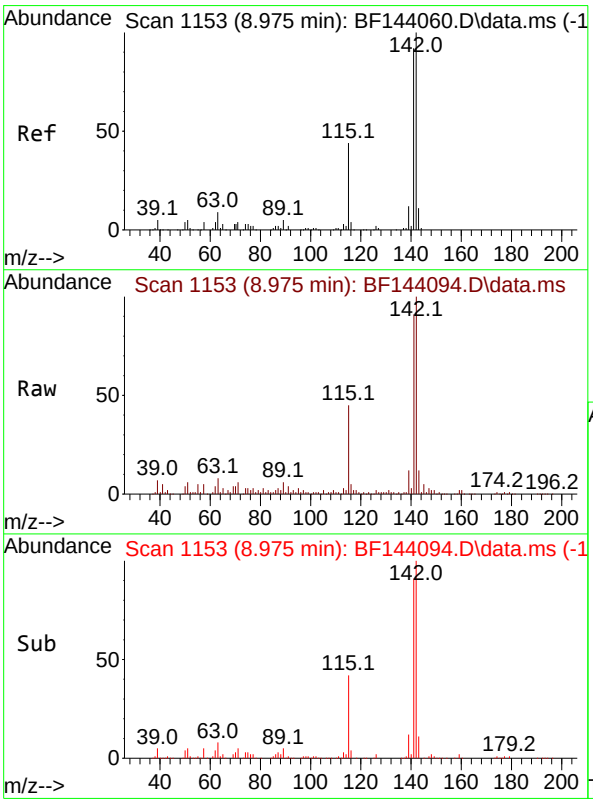
#37
2-Methylnaphthalene
Concen: 91.426 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:142 Resp: 453609

Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.6	101.4

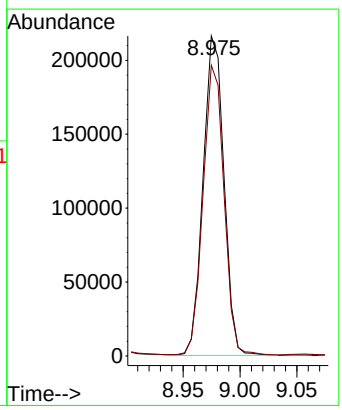


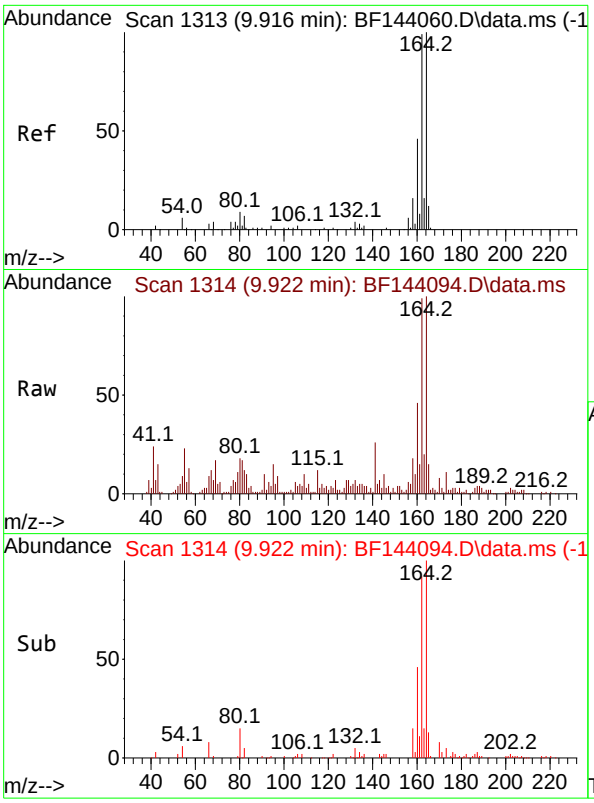


#38
1-Methylnaphthalene
Concen: 58.492 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:142 Resp: 274948

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.4	110.2



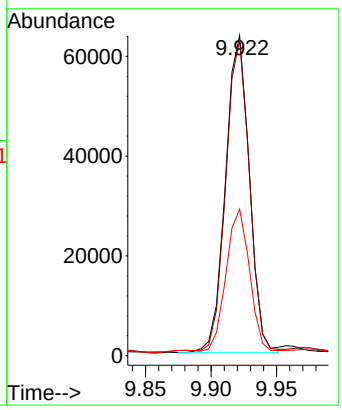


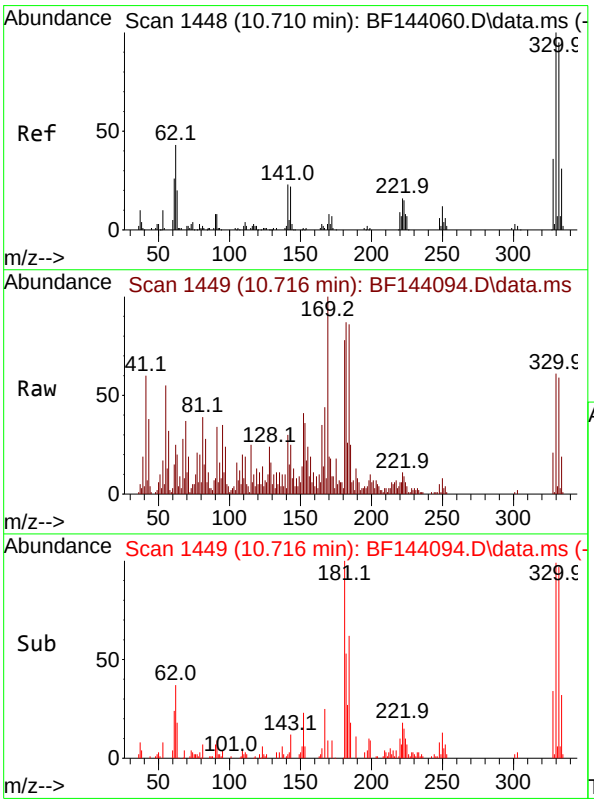
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:164 Resp: 80710

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.2
160	45.8	36.7	55.1

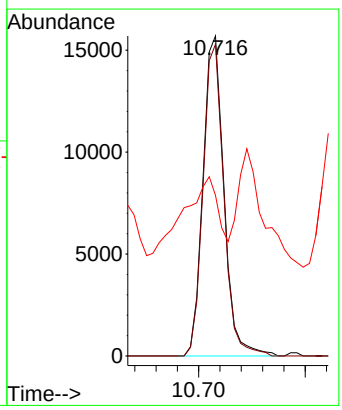


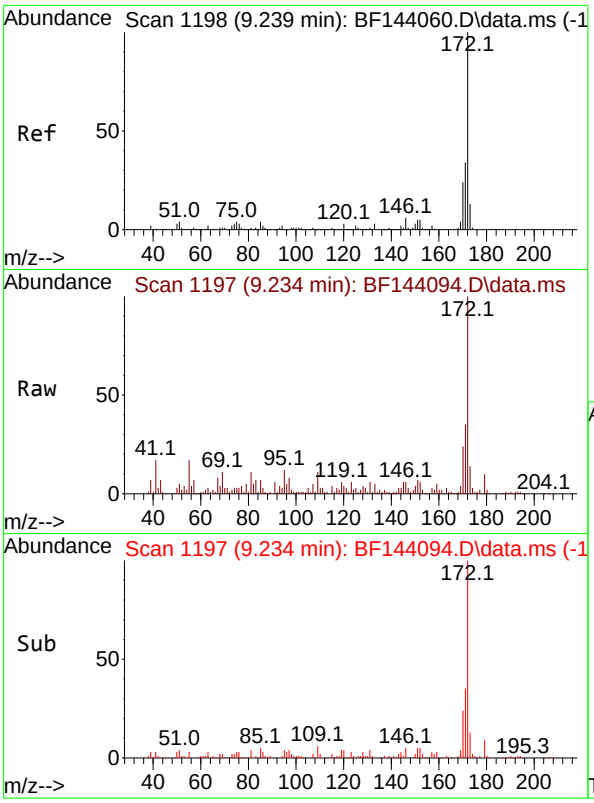


#42
2,4,6-Tribromophenol
Concen: 20.926 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:330 Resp: 21514

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	37.7	19.4	29.0#



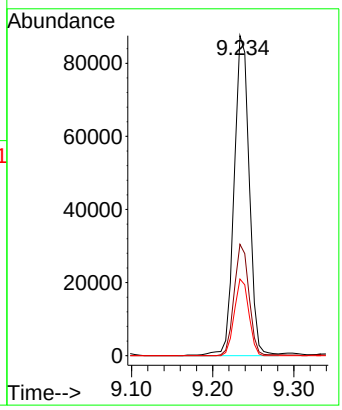


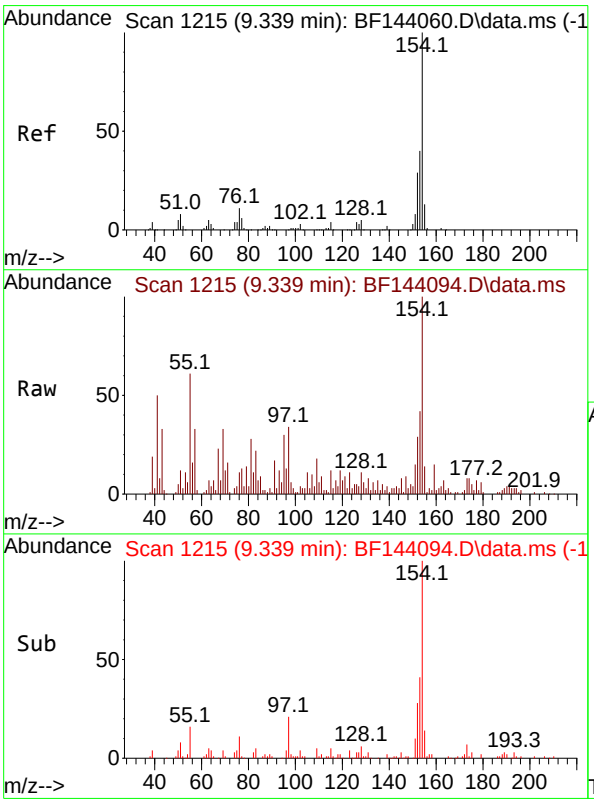
#45
2-Fluorobiphenyl
Concen: 19.732 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:172 Resp: 113172

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	24.0	19.0	28.6

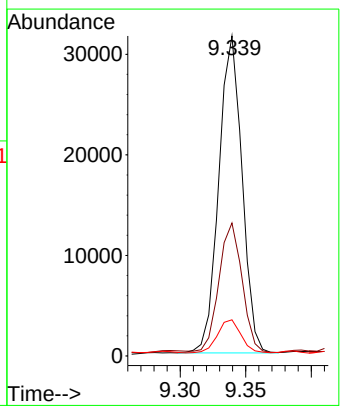


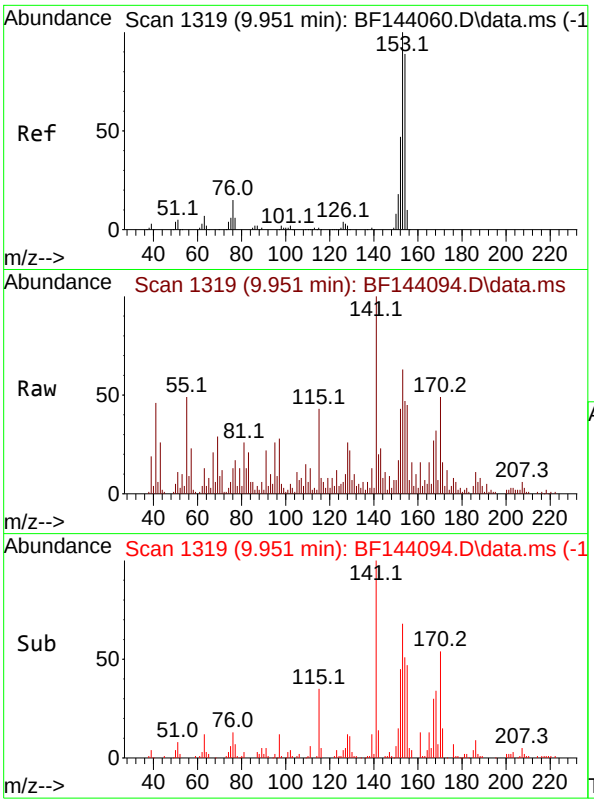


#46
1,1'-Biphenyl
Concen: 6.731 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:154 Resp: 38891

Ion	Ratio	Lower	Upper
154	100		
153	41.6	19.7	59.7
76	11.3	0.0	31.1



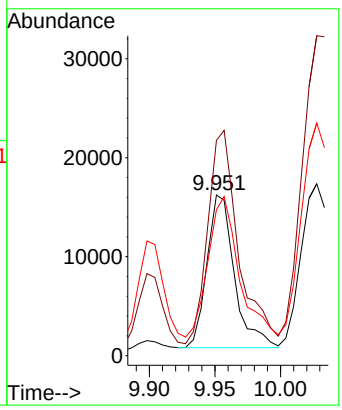


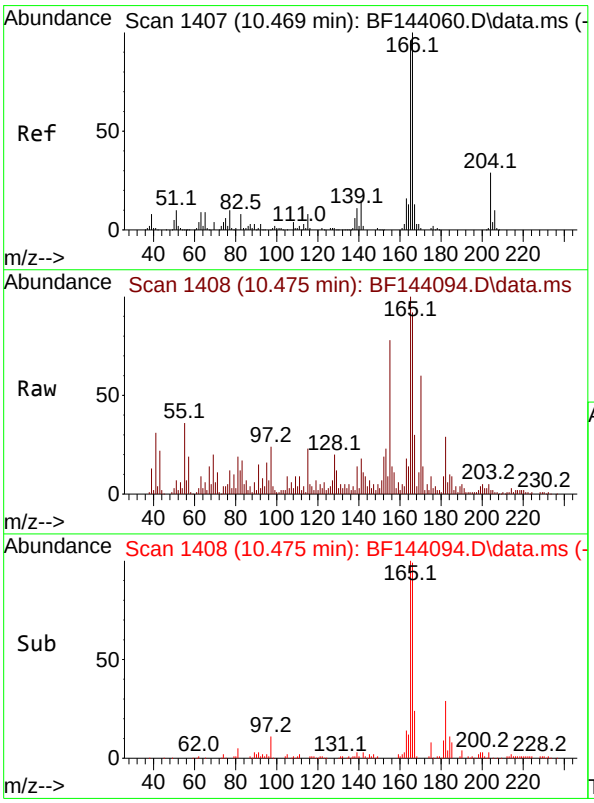
#52
Acenaphthene
Concen: 5.154 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:154 Resp: 22466

Ion	Ratio	Lower	Upper
154	100		
153	134.0	89.9	134.9
152	90.9	42.0	63.0#

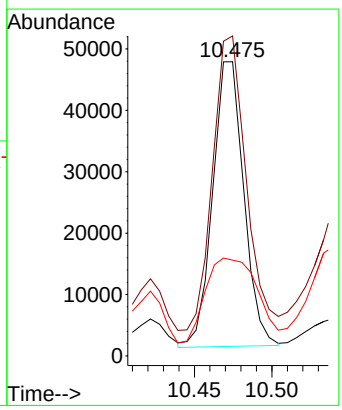


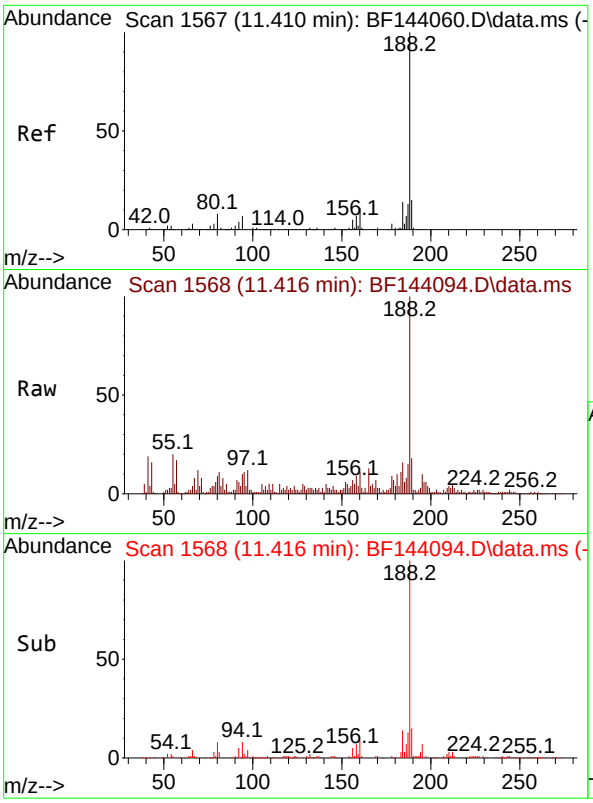


#58
Fluorene
Concen: 14.048 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:166 Resp: 64771

Ion	Ratio	Lower	Upper
166	100		
165	108.8	77.0	115.4
167	32.6	10.2	15.4#



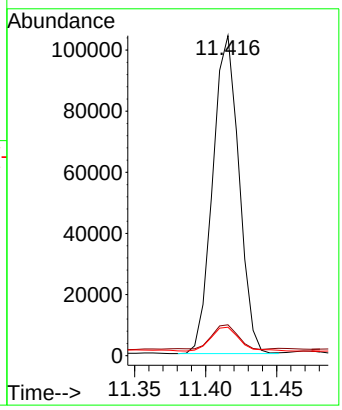


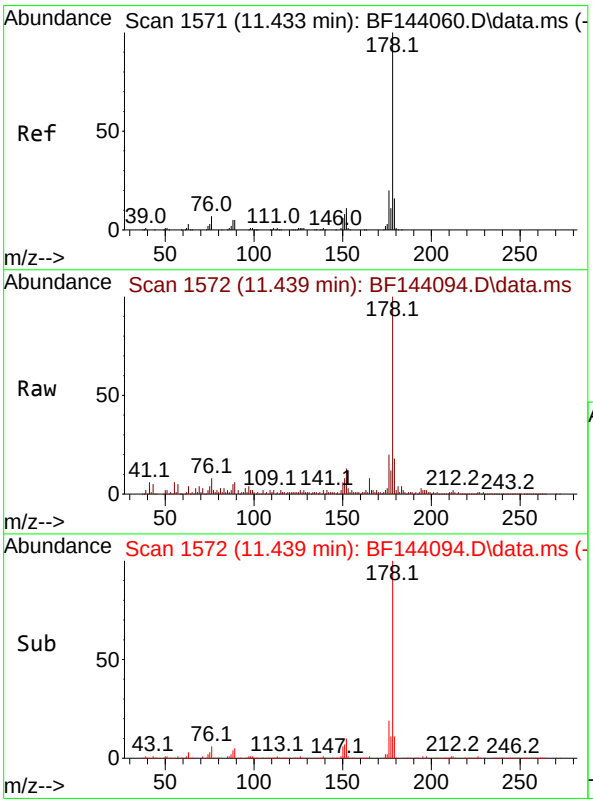
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:188 Resp: 133890

Ion	Ratio	Lower	Upper
188	100		
94	9.6	5.4	8.0#
80	8.9	6.0	9.0

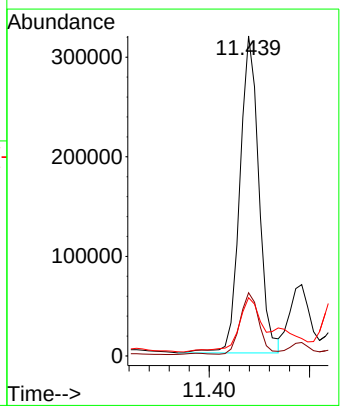


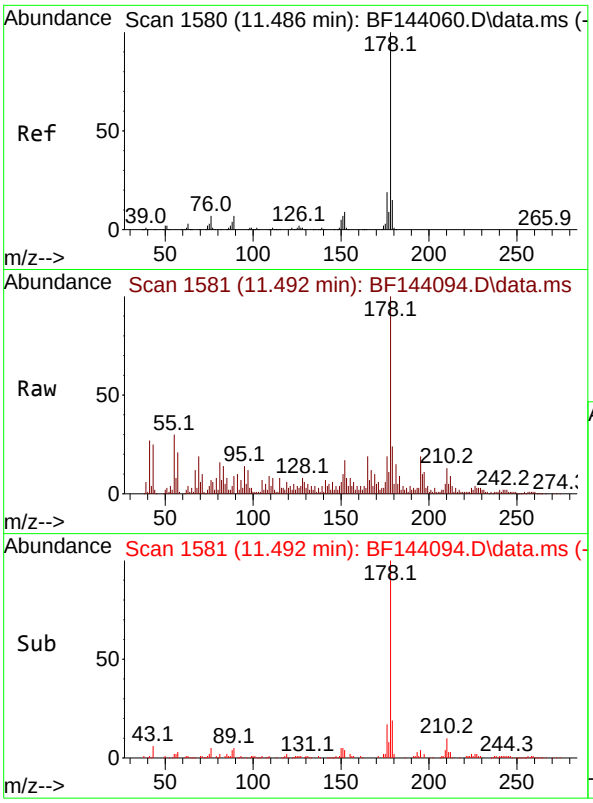


#71
Phenanthrene
Concen: 63.248 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:178 Resp: 420665

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	18.2	12.6	18.8



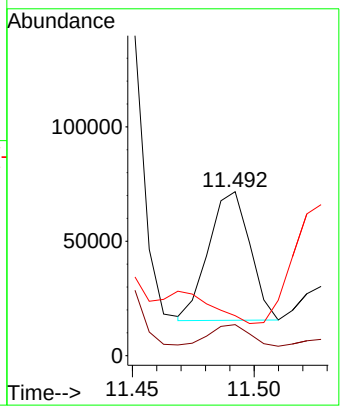


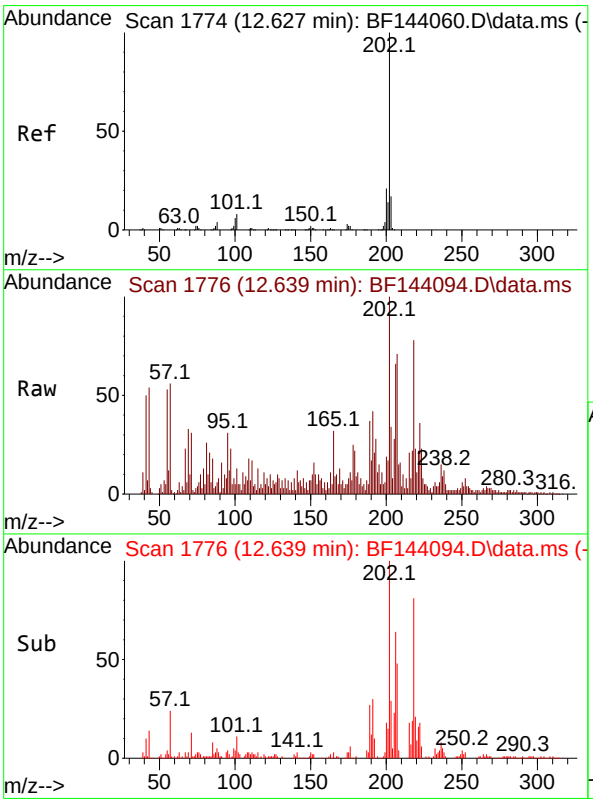
#72
Anthracene
Concen: 9.661 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:178 Resp: 66380

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	24.4	11.8	17.6#

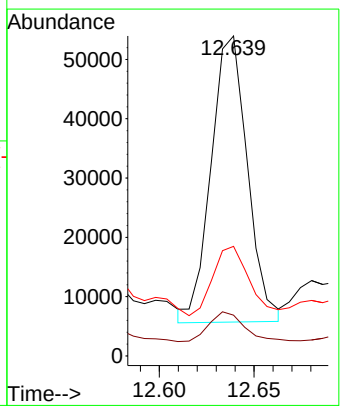


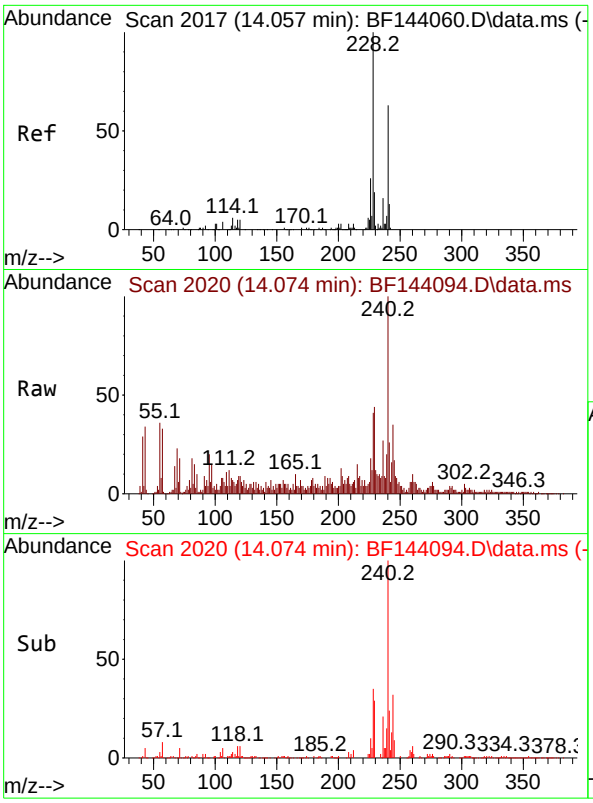


#75
Fluoranthene
Concen: 8.760 ng
RT: 12.639 min Scan# 1776
Delta R.T. 0.012 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:202 Resp: 64367

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	27.7
203	34.3	0.0	37.3



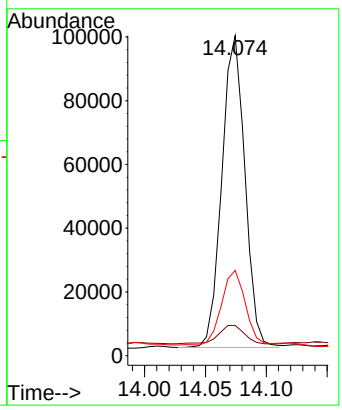


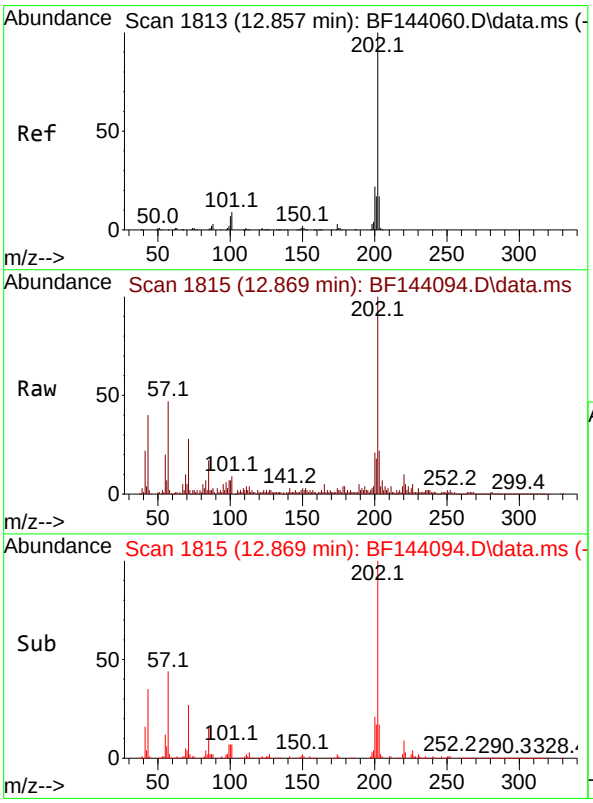
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:240 Resp: 129098

Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.5	9.7
236	26.7	20.1	30.1

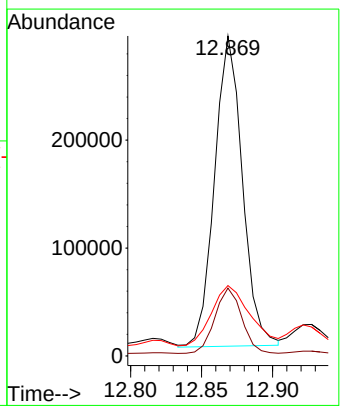


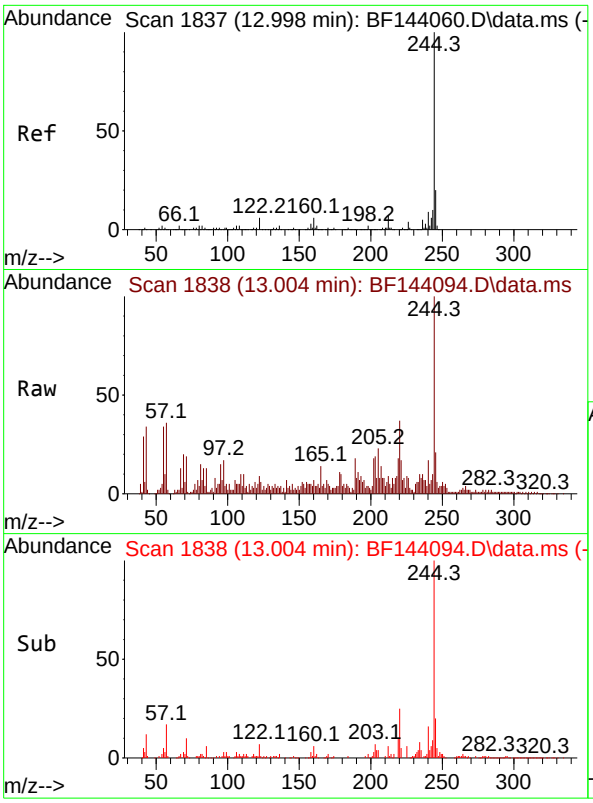


#78
Pyrene
Concen: 42.199 ng
RT: 12.869 min Scan# 1815
Delta R.T. 0.012 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:202 Resp: 391662

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	22.0	13.5	20.3#



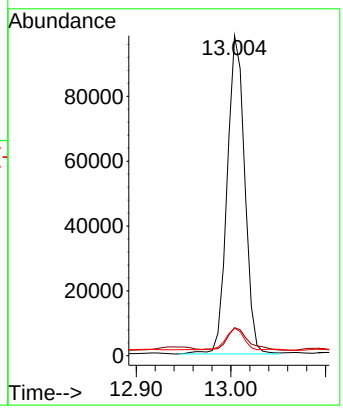


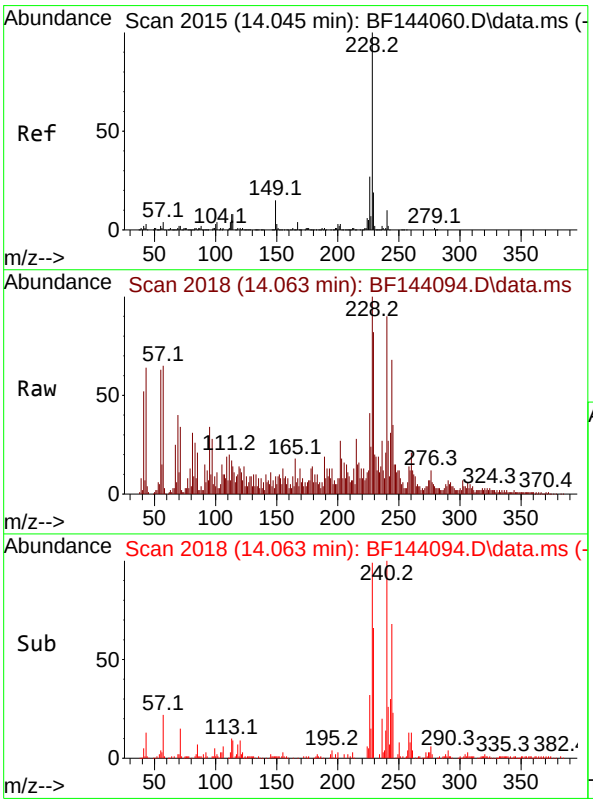
#79
Terphenyl-d14
Concen: 17.089 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:244 Resp: 126191

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.6#
122	8.6	4.9	7.3#

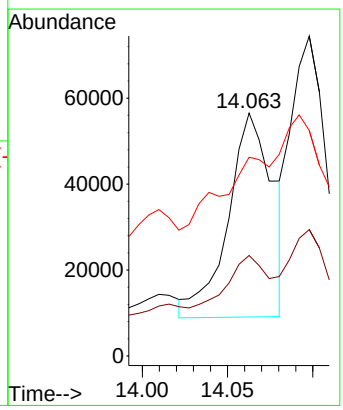


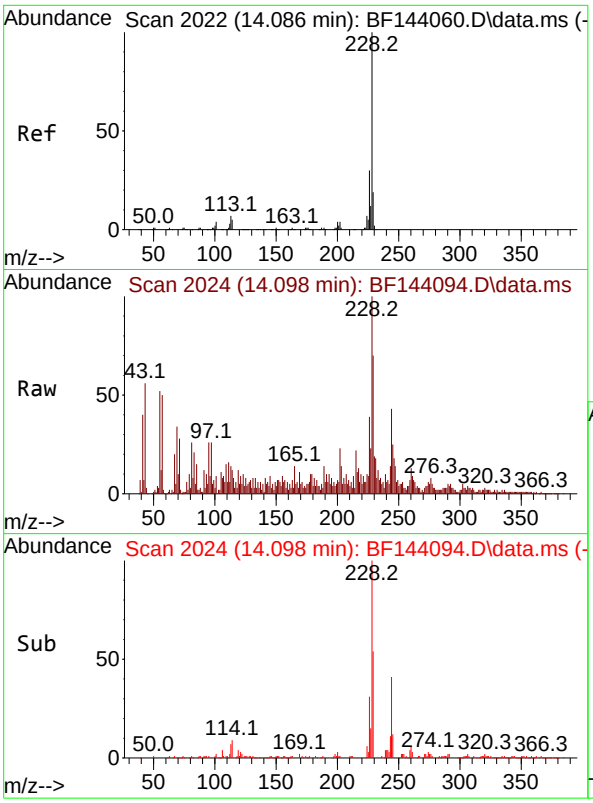


#81
Benzo(a)anthracene
Concen: 9.905 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:228 Resp: 86420

Ion	Ratio	Lower	Upper
228	100		
226	41.4	21.4	32.2#
229	81.8	15.3	22.9#



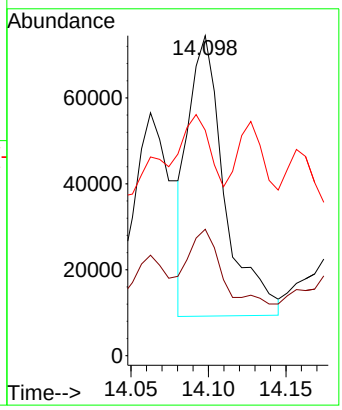


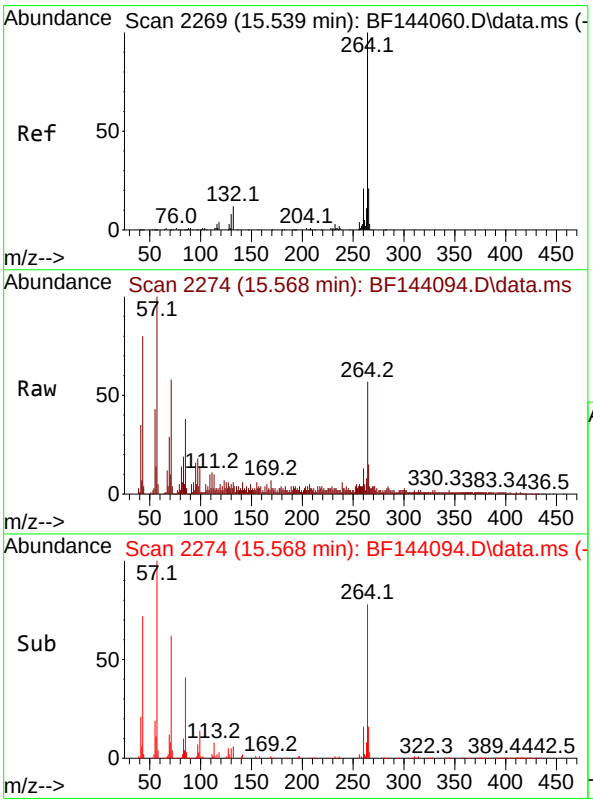
#83
Chrysene
Concen: 12.935 ng
RT: 14.098 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:228 Resp: 105898

Ion	Ratio	Lower	Upper
228	100		
226	39.5	23.8	35.6#
229	70.5	15.6	23.4#

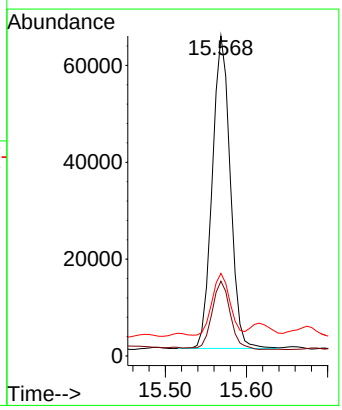


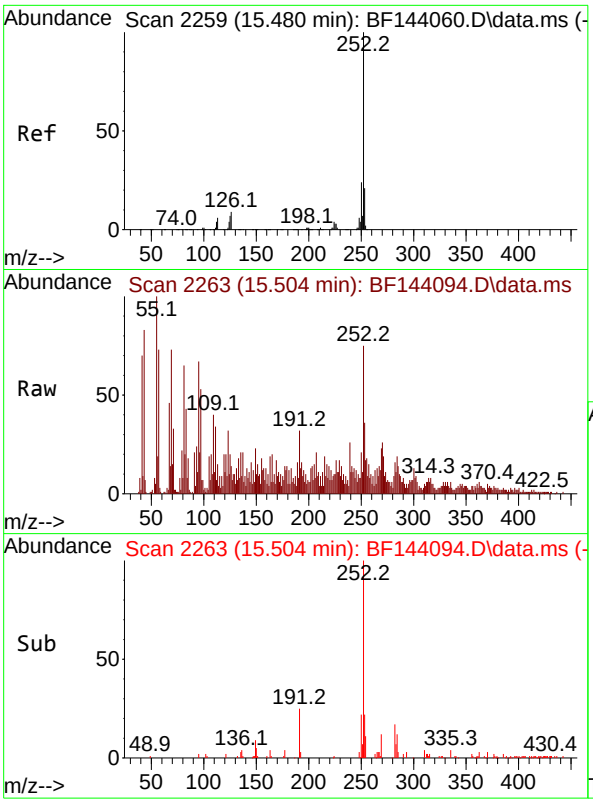


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.030 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:264 Resp: 99462

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.0	25.4
265	25.8	16.6	24.8#



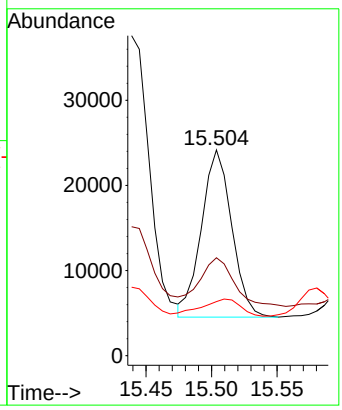


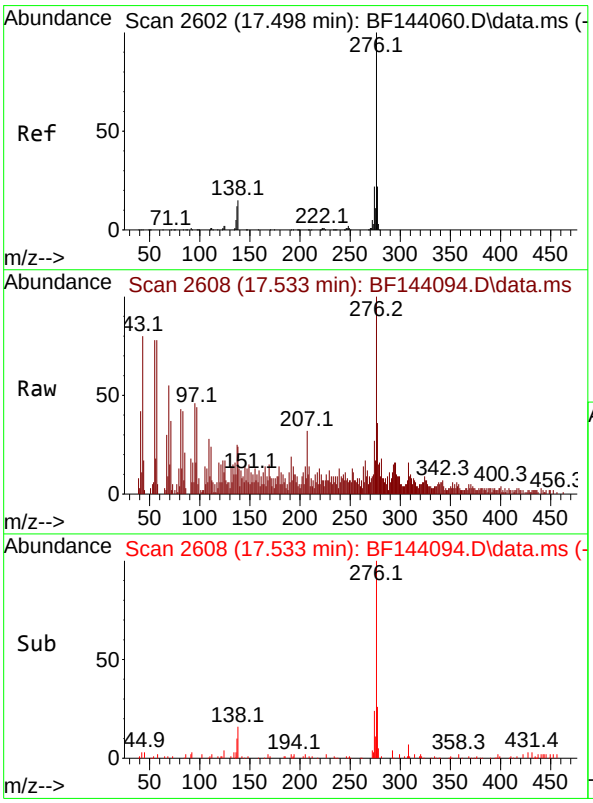
#90
Benzo(a)pyrene
Concen: 6.261 ng
RT: 15.504 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

Tgt Ion:252 Resp: 31582

Ion	Ratio	Lower	Upper
252	100		
253	47.6	17.1	25.7#
125	26.3	5.4	8.2#

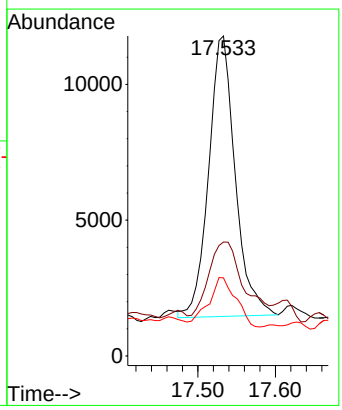




#92
Benzo(g,h,i)perylene
Concen: 4.526 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.035 min
Lab File: BF144094.D
Acq: 27 Oct 2025 20:32

Tgt Ion:276 Resp: 24598

Ion	Ratio	Lower	Upper
276	100		
277	35.6	17.9	26.9#
138	24.4	12.0	18.0#



Sample Results: **BF144094.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

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

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

Signal : TIC: BF144094.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.493	551	561	570	rBV2	192172	330099	15.75%	0.584%
2	5.787	606	611	618	rVB	49571	69662	3.32%	0.123%
3	6.128	663	669	676	rBV4	28239	59030	2.82%	0.104%
4	6.404	713	716	720	rBV2	48256	64911	3.10%	0.115%
5	6.504	724	733	739	rBV	179827	290156	13.84%	0.513%
6	6.634	748	755	762	rBV5	13043	43660	2.08%	0.077%
7	6.710	762	768	775	rVB2	163825	234709	11.20%	0.415%
8	6.881	792	797	803	rVV	250700	344776	16.45%	0.610%
9	6.934	803	806	812	rVV2	40188	53485	2.55%	0.095%
10	7.022	818	821	825	rBV2	40743	62342	2.97%	0.110%
11	7.057	825	827	832	rVB2	34343	35118	1.68%	0.062%
12	7.151	832	843	846	rBV2	85005	146639	7.00%	0.259%
13	7.198	846	851	858	rVB2	80757	159927	7.63%	0.283%
14	7.269	858	863	867	rBV2	60549	101687	4.85%	0.180%
15	7.345	872	876	877	rBV	29240	36288	1.73%	0.064%
16	7.363	877	879	882	rVB	40272	40600	1.94%	0.072%
17	7.410	882	887	889	rBV	139471	190215	9.08%	0.336%
18	7.440	889	892	894	rVV2	161749	209794	10.01%	0.371%
19	7.469	894	897	901	rVB	355535	447376	21.34%	0.791%
20	7.522	901	906	910	rVB4	66134	97712	4.66%	0.173%
21	7.569	910	914	921	rBV6	55762	142721	6.81%	0.252%
22	7.675	925	932	938	rVB4	94751	232020	11.07%	0.410%
23	7.757	942	946	947	rBV	57758	63099	3.01%	0.112%
24	7.781	947	950	952	rVV2	54209	66986	3.20%	0.118%
25	7.810	952	955	957	rVV2	78901	110547	5.27%	0.195%
26	7.834	957	959	963	rVB2	116997	148025	7.06%	0.262%
27	7.898	963	970	977	rBV3	291135	520060	24.81%	0.919%
28	8.028	989	992	996	rBV	59495	73822	3.52%	0.131%
29	8.104	1000	1005	1007	rVV4	113709	206615	9.86%	0.365%
30	8.139	1007	1011	1016	rVV3	694116	1363723	65.06%	2.411%
31	8.181	1016	1018	1021	rVV	470662	617275	29.45%	1.091%
32	8.210	1021	1023	1027	rVV2	273602	370028	17.65%	0.654%
33	8.245	1027	1029	1034	rVB3	94618	106503	5.08%	0.188%
34	8.328	1038	1043	1046	rBV4	69138	148121	7.07%	0.262%
35	8.363	1047	1049	1052	rVB2	58992	57412	2.74%	0.101%
36	8.398	1052	1055	1057	rBV2	48243	65365	3.12%	0.116%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

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

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

37	8.451	1058	1064	1068	rVV6	166774	305408	14.57%	0.540%
38	8.539	1076	1079	1083	rBV3	134400	181739	8.67%	0.321%
39	8.581	1083	1086	1090	rVV	119069	179012	8.54%	0.316%
40	8.628	1091	1094	1097	rVB	167716	197217	9.41%	0.349%
41	8.669	1097	1101	1104	rBV3	104929	146349	6.98%	0.259%
42	8.751	1111	1115	1119	rBV	573878	674859	32.20%	1.193%
43	8.881	1132	1137	1141	rVB	1137563	1441891	68.79%	2.549%
44	8.975	1148	1153	1157	rBV	760827	1049699	50.08%	1.856%
45	9.039	1161	1164	1165	rBV3	45961	49793	2.38%	0.088%
46	9.110	1173	1176	1180	rVB3	109332	127924	6.10%	0.226%
47	9.151	1181	1183	1185	rVV3	69403	76573	3.65%	0.135%
48	9.181	1185	1188	1193	rVV3	151352	202714	9.67%	0.358%
49	9.234	1193	1197	1202	rVB	250671	346198	16.52%	0.612%
50	9.316	1207	1211	1217	rBV2	663891	907447	43.29%	1.604%
51	9.439	1227	1232	1238	rVB	536289	850673	40.59%	1.504%
52	9.504	1238	1243	1248	rBV	854939	1361545	64.96%	2.407%
53	9.581	1251	1256	1258	rBV	893557	1225488	58.47%	2.166%
54	9.610	1258	1261	1264	rVB	403847	469122	22.38%	0.829%
55	9.698	1272	1276	1284	rVB	432556	705718	33.67%	1.248%
56	9.781	1286	1290	1294	rVB	332592	417713	19.93%	0.738%
57	9.851	1296	1302	1306	rVB	597347	900367	42.96%	1.592%
58	9.916	1307	1313	1316	rBV3	306084	686634	32.76%	1.214%
59	10.028	1327	1332	1336	rBV	574568	942636	44.97%	1.666%
60	10.069	1336	1339	1343	rVV4	188471	290054	13.84%	0.513%
61	10.122	1343	1348	1352	rVV2	558073	879822	41.98%	1.555%
62	10.163	1352	1355	1360	rVV2	515322	686058	32.73%	1.213%
63	10.239	1364	1368	1370	rBV	404619	497337	23.73%	0.879%
64	10.269	1370	1373	1378	rVB	292070	369571	17.63%	0.653%
65	10.345	1378	1386	1391	rBV2	905581	1823438	87.00%	3.224%
66	10.463	1402	1406	1409	rBV3	423331	654133	31.21%	1.156%
67	10.563	1419	1423	1429	rVB4	279456	609080	29.06%	1.077%
68	10.622	1430	1433	1439	rVB5	192171	320253	15.28%	0.566%
69	10.828	1463	1468	1476	rVB2	1113948	1908281	91.05%	3.374%
70	10.910	1479	1482	1485	rBV	154879	200343	9.56%	0.354%
71	11.016	1496	1500	1503	rBV4	281420	447237	21.34%	0.791%
72	11.051	1503	1506	1513	rVV5	284125	528438	25.21%	0.934%
73	11.163	1518	1525	1531	rBV6	287552	753118	35.93%	1.331%
74	11.275	1540	1544	1547	rBV	756434	980873	46.80%	1.734%
75	11.416	1565	1568	1569	rBV	232702	253419	12.09%	0.448%
76	11.439	1569	1572	1578	rVB	628623	876229	41.81%	1.549%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

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

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

77	11.528	1583	1587	1589	rBV	230183	376718	17.97%	0.666%
78	11.704	1613	1617	1620	rVB	724216	815384	38.90%	1.441%
79	11.922	1650	1654	1656	rBV	567644	796148	37.98%	1.407%
80	11.951	1656	1659	1663	rVB	720345	971156	46.33%	1.717%
81	11.998	1663	1667	1669	rBV2	310851	447794	21.36%	0.792%
82	12.033	1669	1673	1675	rBV2	394324	545676	26.03%	0.965%
83	12.116	1683	1687	1691	rBV	821930	1082437	51.64%	1.914%
84	12.475	1744	1748	1750	rBV	691114	967836	46.18%	1.711%
85	12.504	1750	1753	1760	rVB2	1098088	1630857	77.81%	2.883%
86	12.639	1773	1776	1781	rBV4	315597	575412	27.45%	1.017%
87	12.874	1811	1816	1821	rBV3	1370922	2095970	100.00%	3.705%
88	12.927	1822	1825	1828	rVB	340736	405809	19.36%	0.717%
89	13.233	1873	1877	1884	rBV2	899425	1324203	63.18%	2.341%
90	13.304	1886	1889	1893	rVV	355554	453969	21.66%	0.803%
91	13.398	1903	1905	1908	rBV	257405	253725	12.11%	0.449%
92	13.580	1932	1936	1940	rBV	849841	1087736	51.90%	1.923%
93	13.910	1989	1992	2002	rVB2	1029250	1617259	77.16%	2.859%
94	14.227	2042	2046	2055	rVB	982993	1435843	68.50%	2.538%
95	14.533	2094	2098	2103	rBV	916359	1161482	55.42%	2.053%
96	14.845	2147	2151	2156	rBV	849366	1149571	54.85%	2.032%
97	15.192	2206	2210	2219	rVB	878614	1379630	65.82%	2.439%
98	15.574	2271	2275	2284	rVB2	720504	1259943	60.11%	2.227%
99	16.021	2347	2351	2370	rVB	530525	1120565	53.46%	1.981%
100	16.545	2436	2440	2453	rVB	360410	775990	37.02%	1.372%

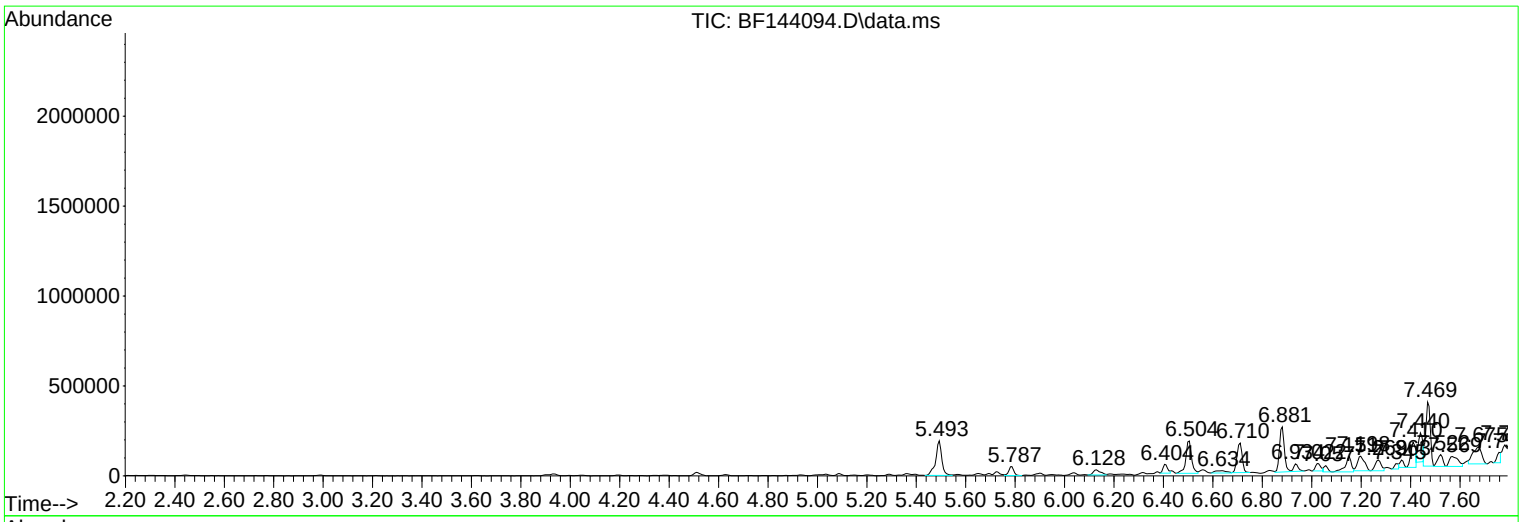
Sum of corrected areas: 56566024

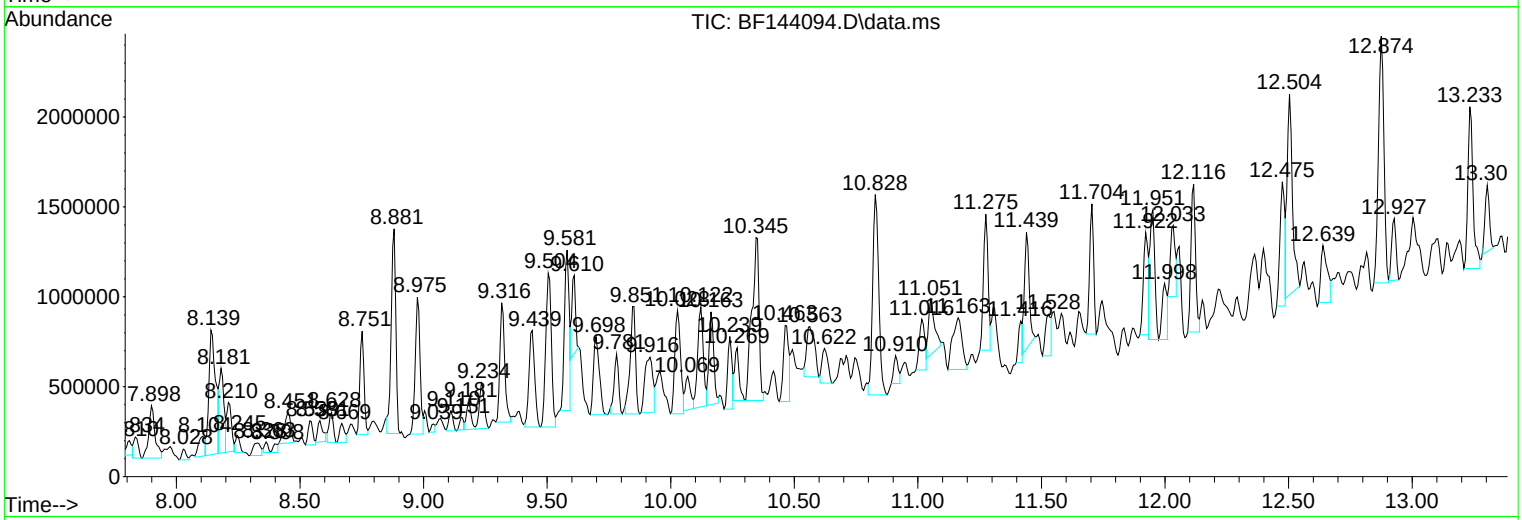
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

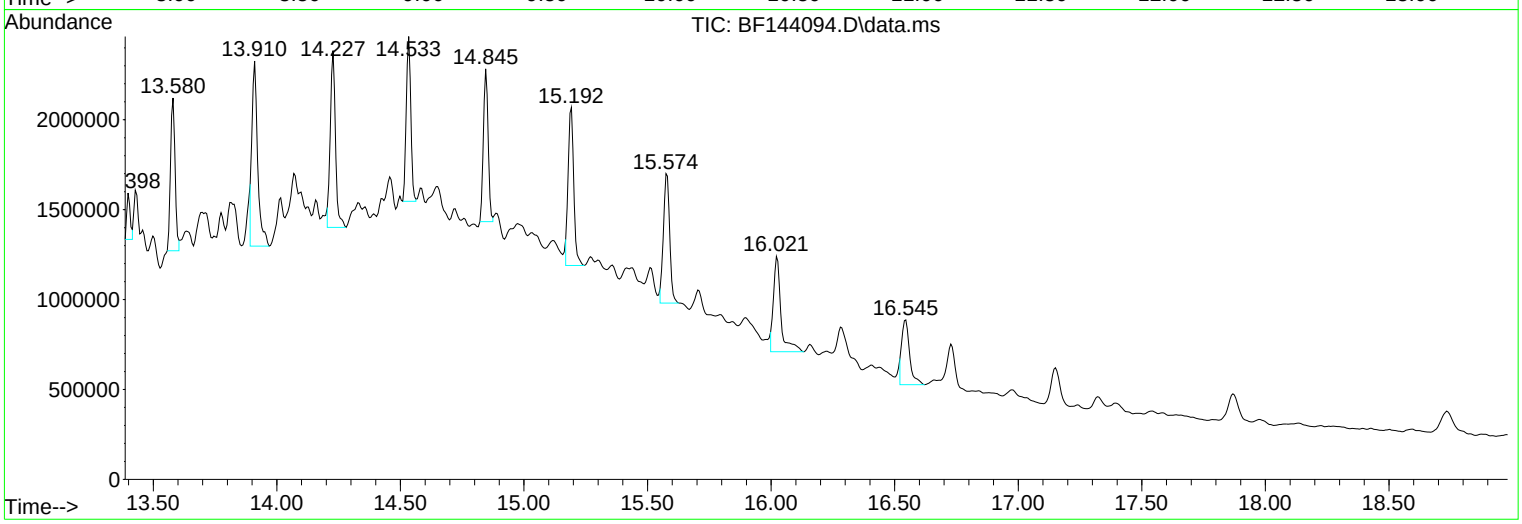
Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

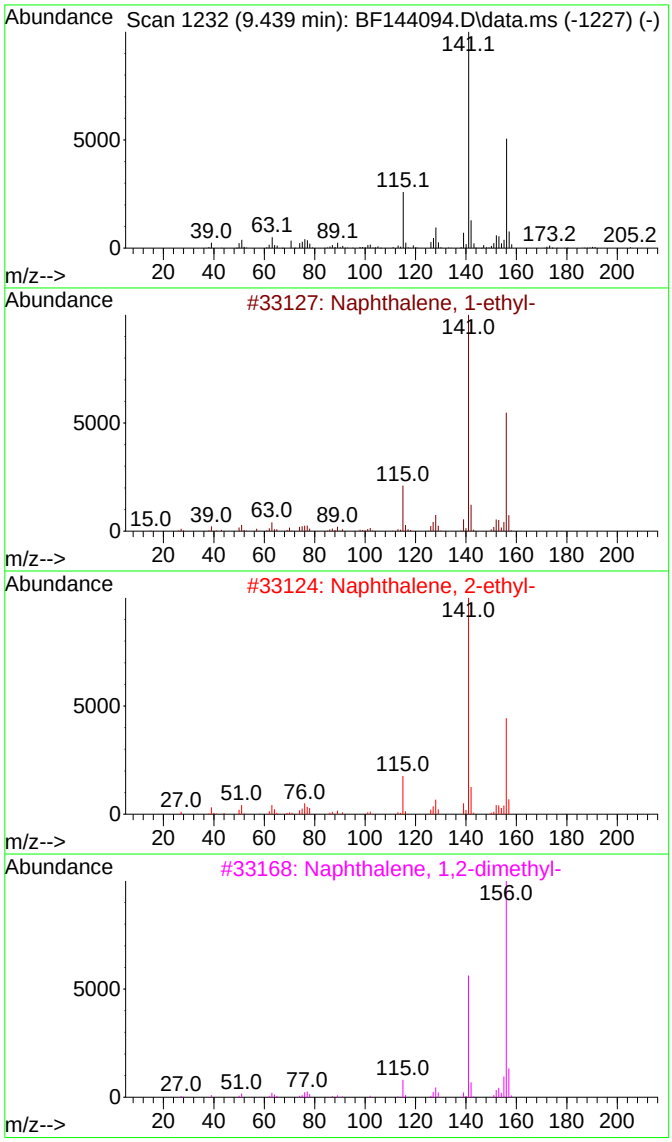
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

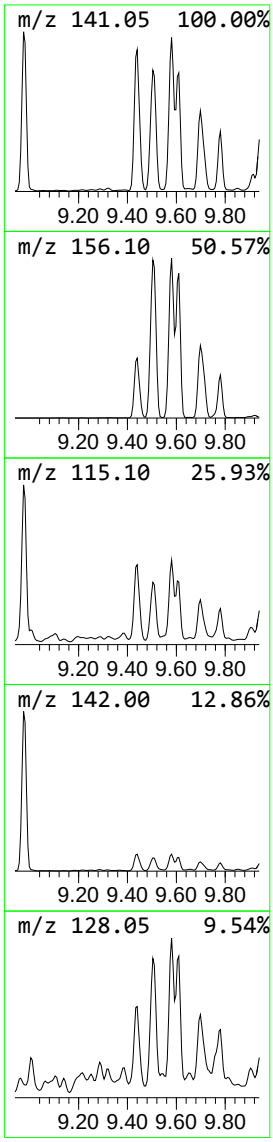
****

Peak Number 1 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	24.78 ng	850673	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	91
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

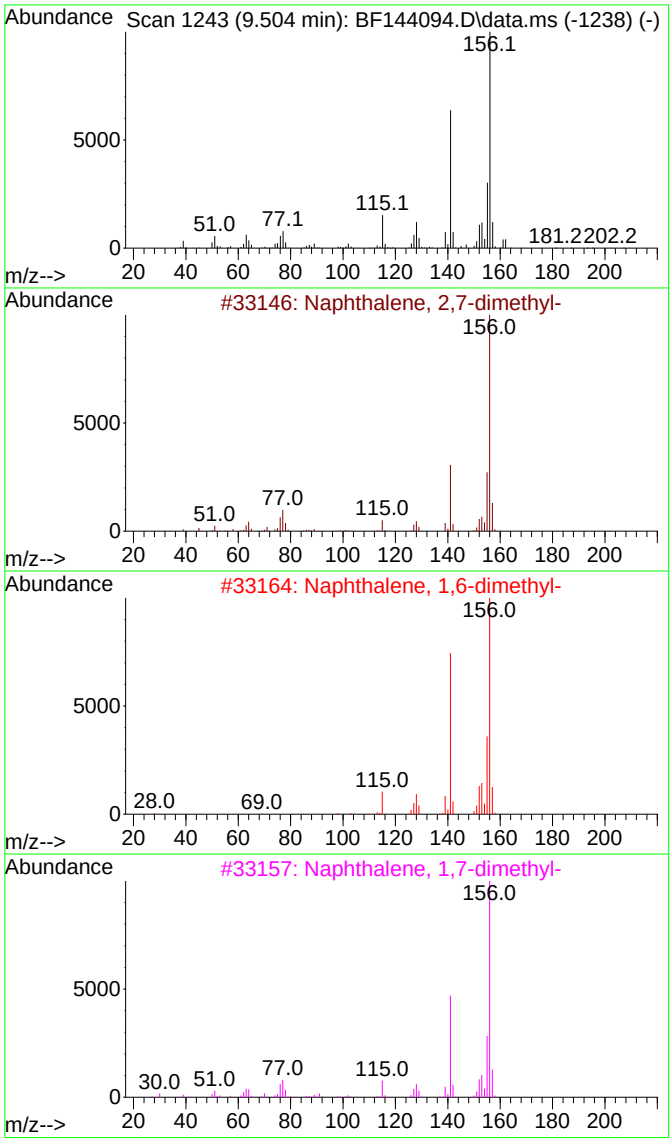
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

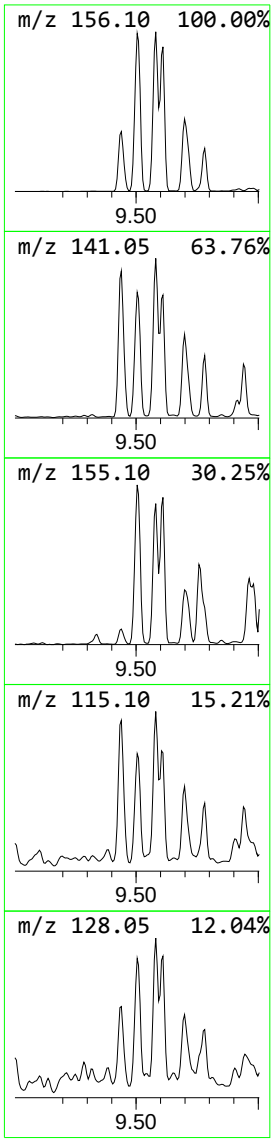
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	39.66 ng	1361550	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

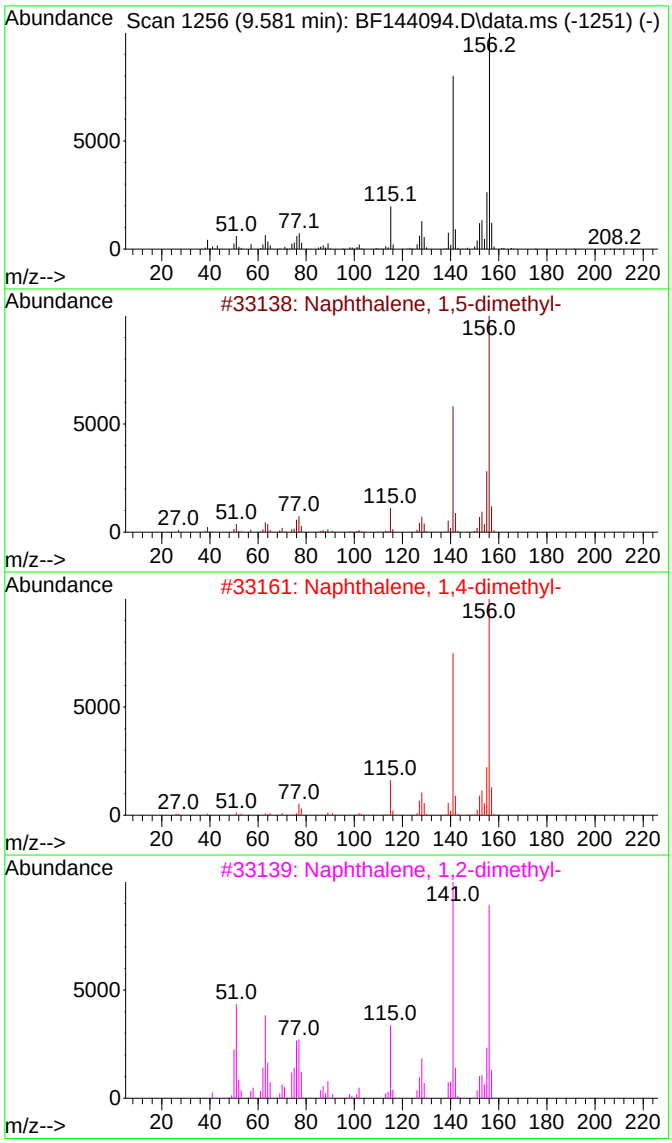
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

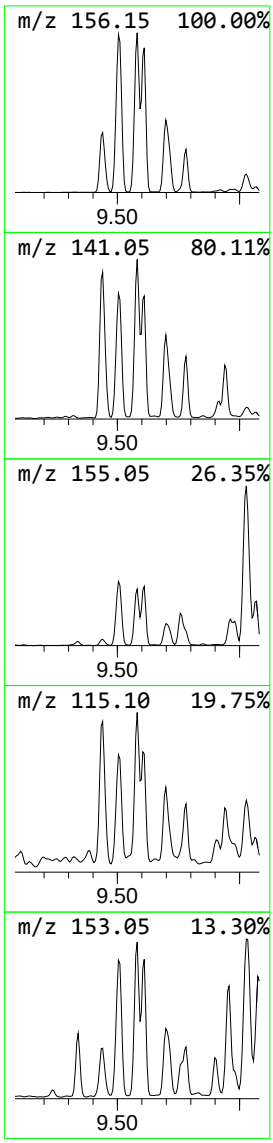
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	35.70 ng	1225490	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-TW1-251023-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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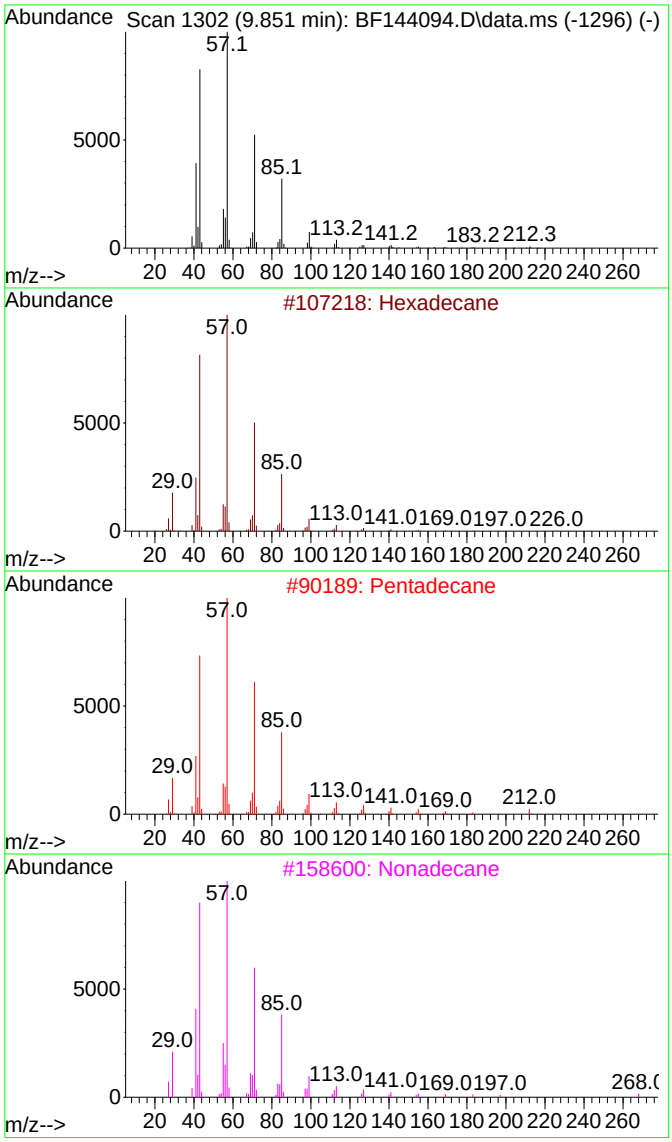
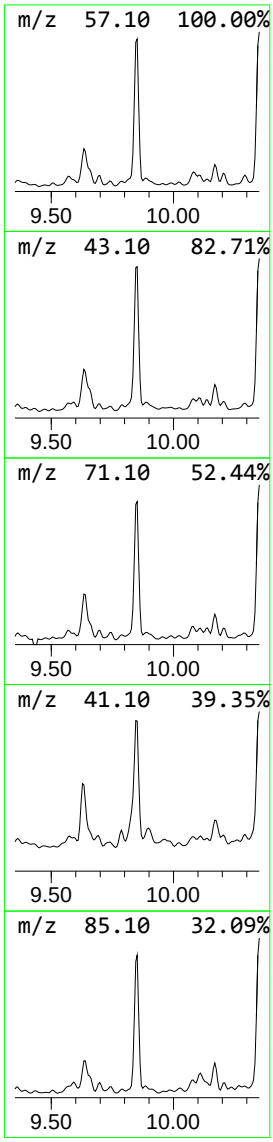
Peak Number 4 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.851	26.23 ng	900367	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane	212	C15H32	000629-62-9	87
3	Nonadecane	268	C19H40	000629-92-5	83
4	Heneicosane	296	C21H44	000629-94-7	78
5	Tridecane	184	C13H28	000629-50-5	78





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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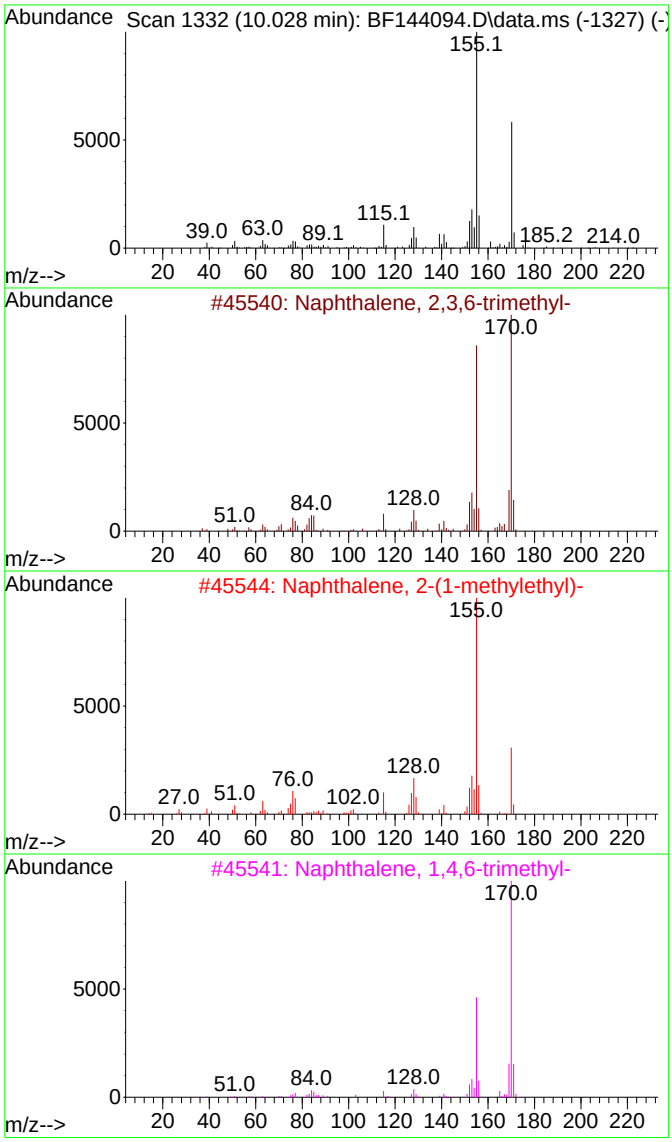
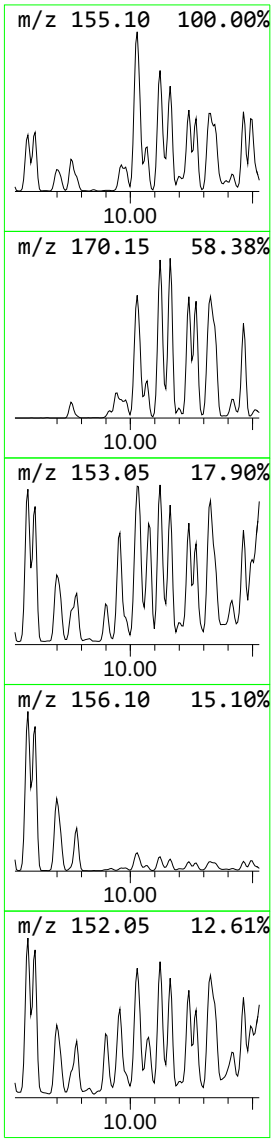
Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.028	27.46 ng	942636	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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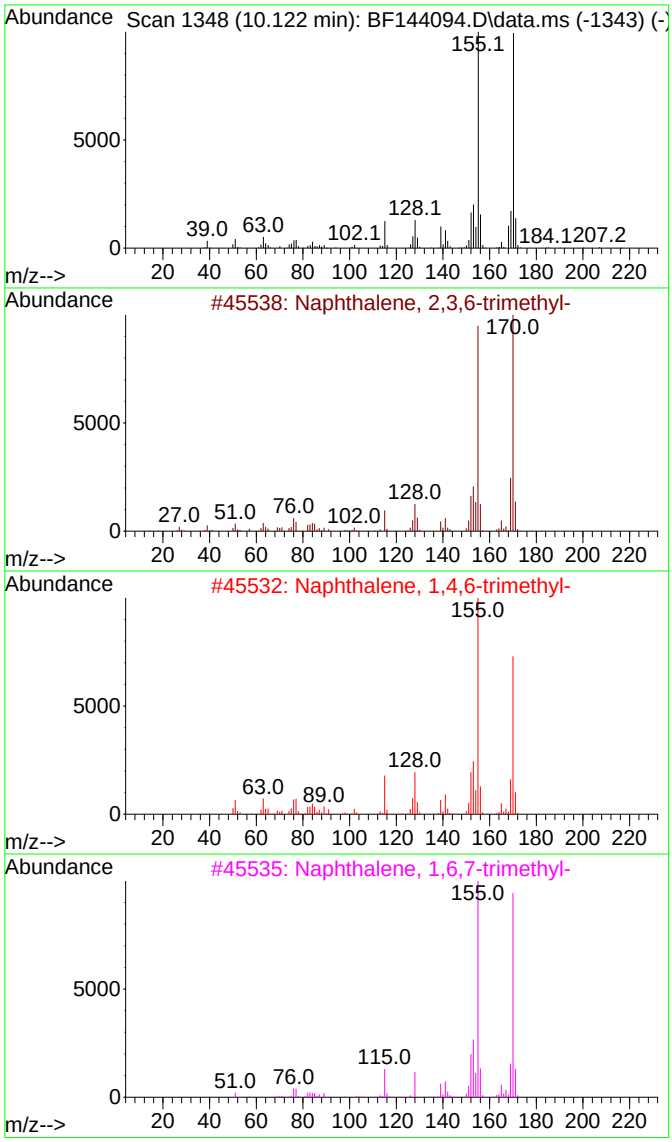
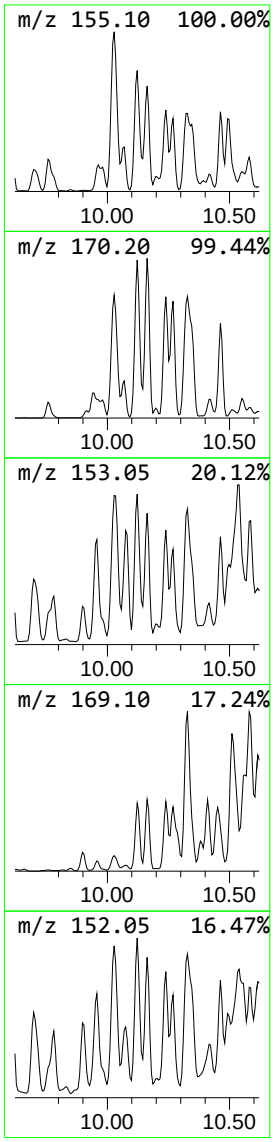
Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.122	25.63 ng	879822	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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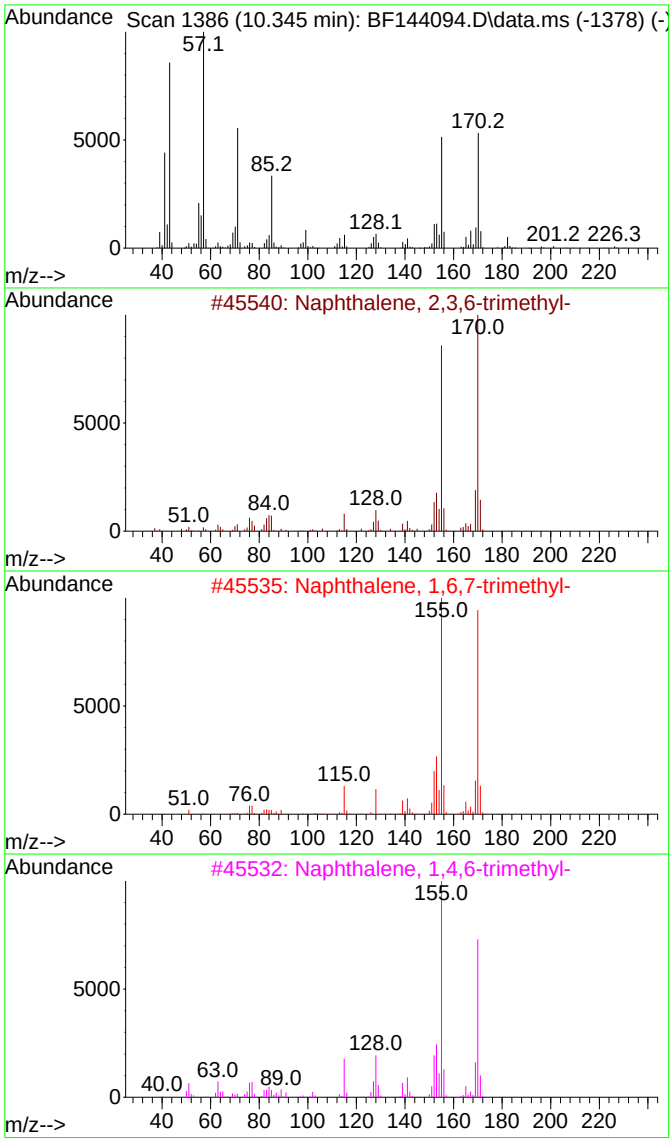
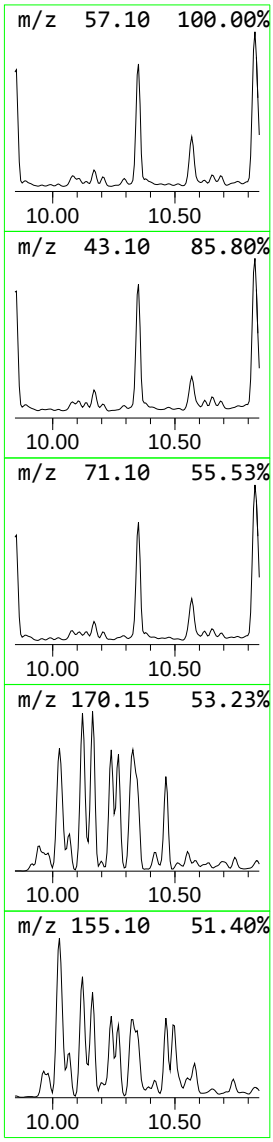
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	53.11 ng	1823440	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	50





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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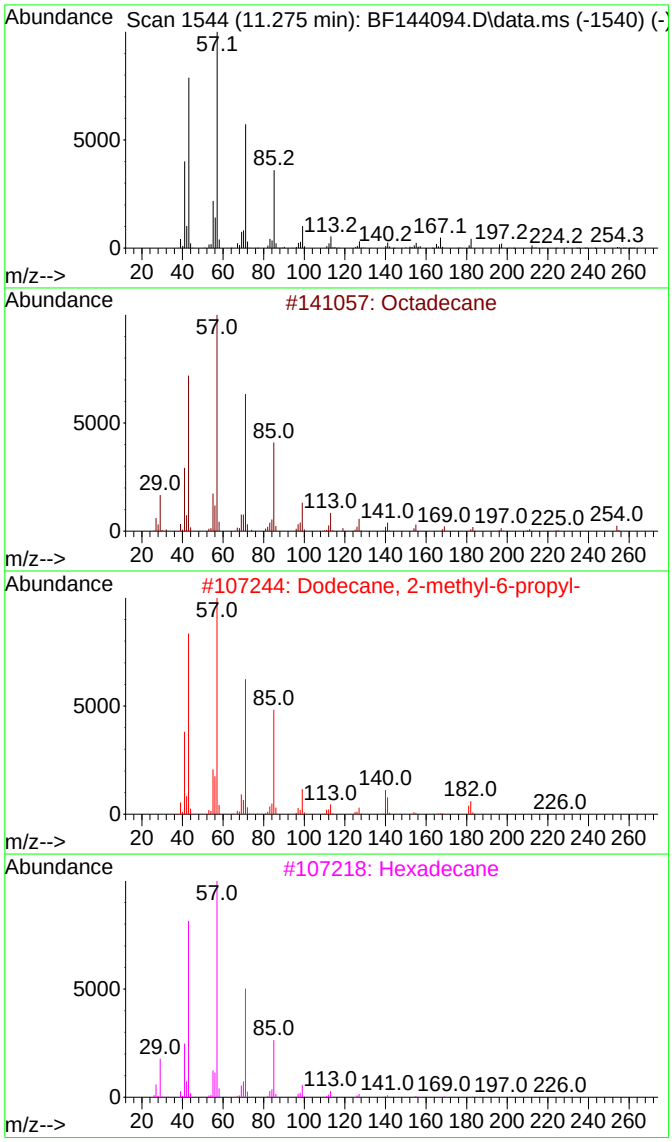
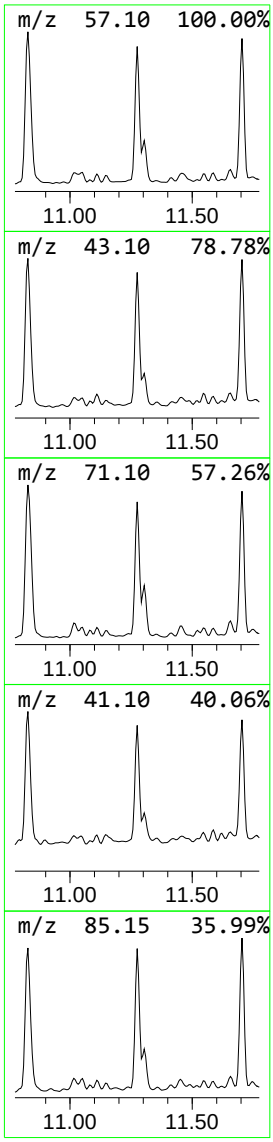
Peak Number 12 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	77.41 ng	980873	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Pentadecane	212	C15H32	000629-62-9	80
5	Heptacosane	380	C27H56	000593-49-7	80





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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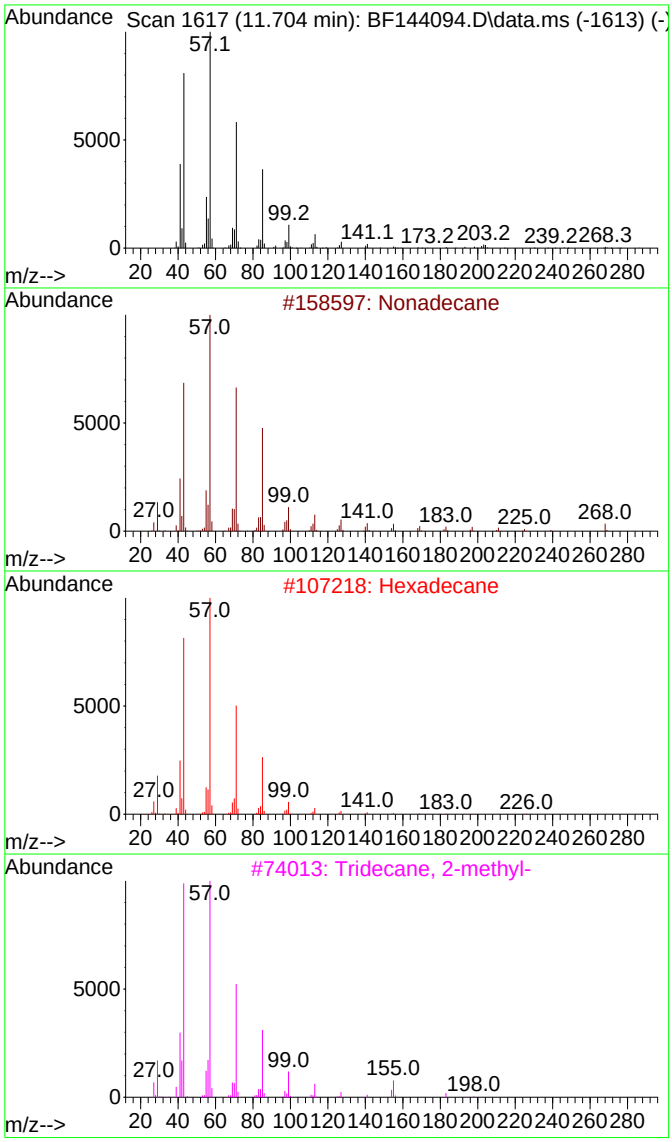
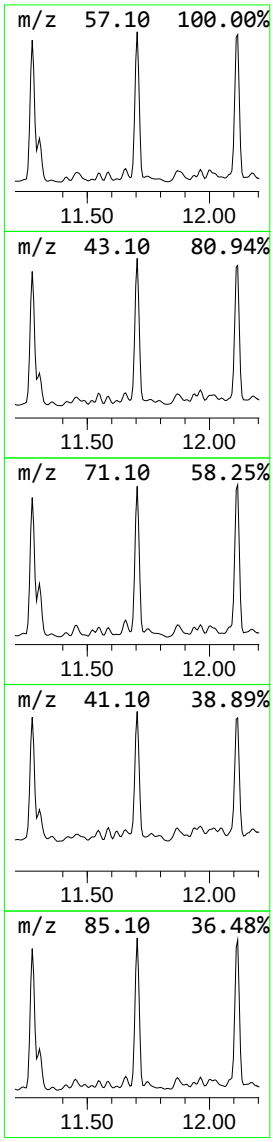
Peak Number 13 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	64.35 ng	815384	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Eicosane	282	C20H42	000112-95-8	90





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Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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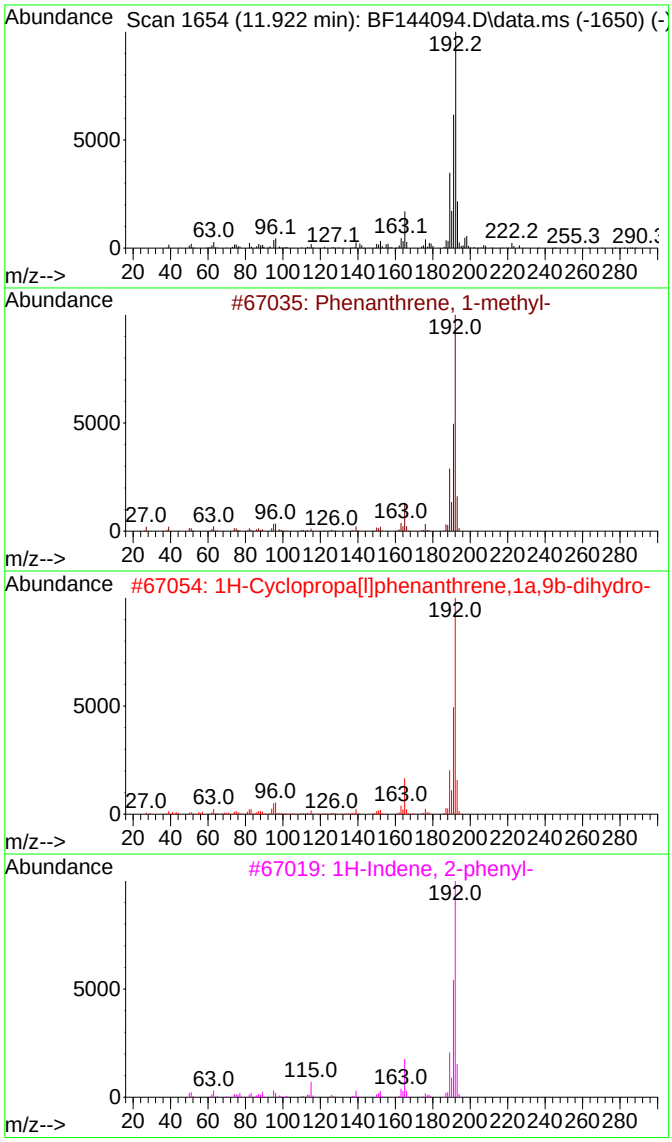
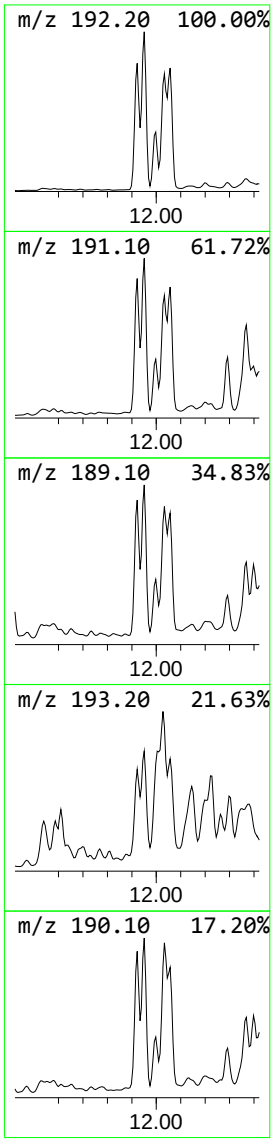
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	62.83 ng	796148	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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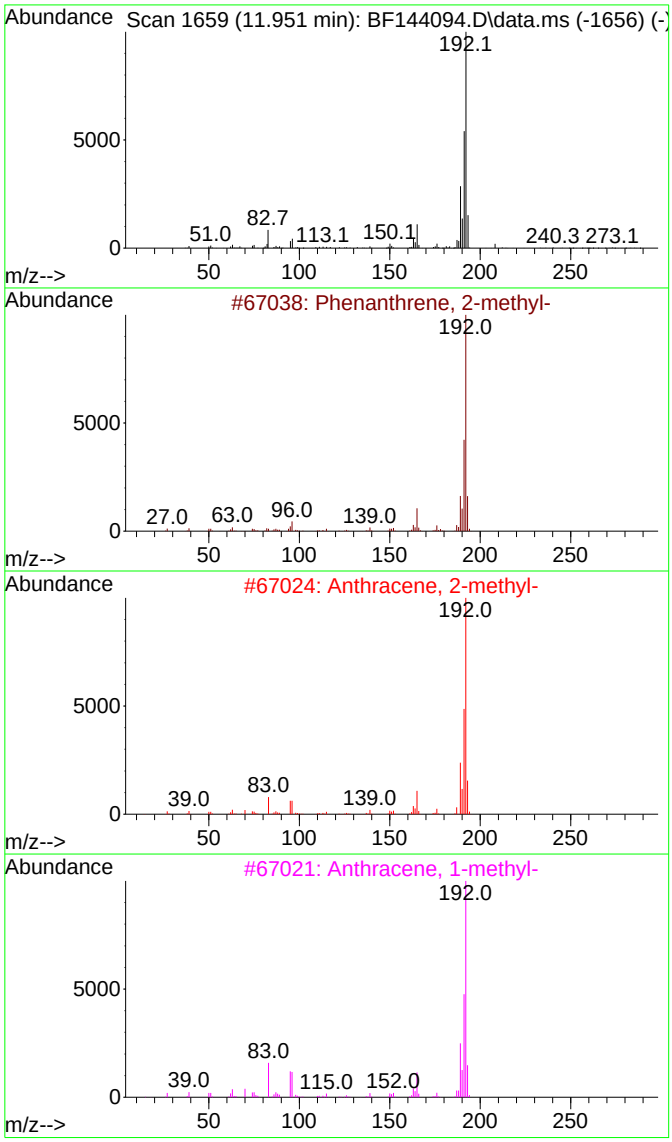
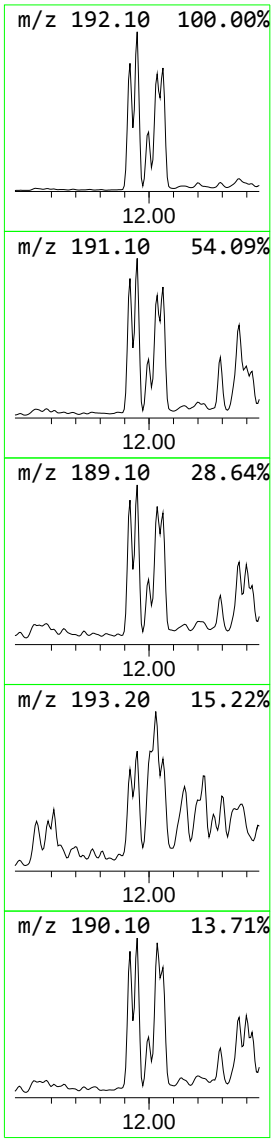
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	76.64 ng	971156	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

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

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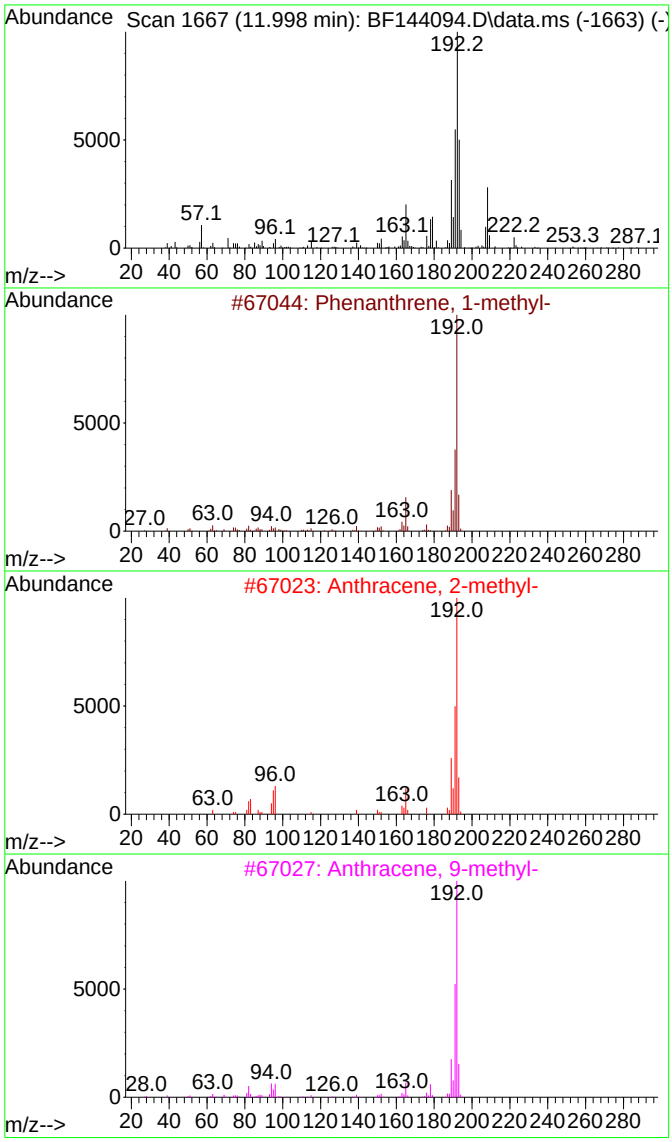
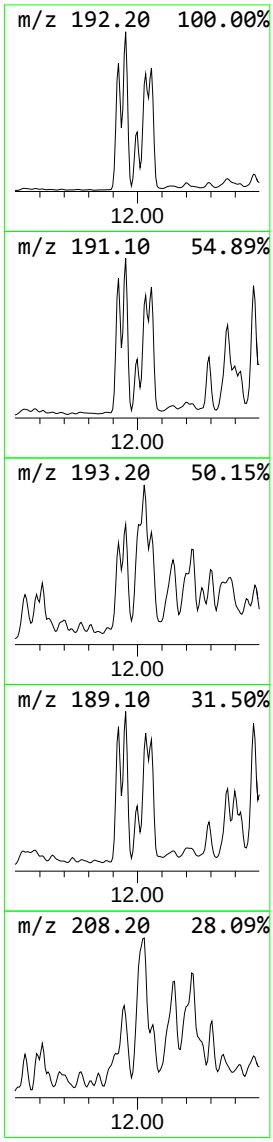
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	35.34 ng	447794	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





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ALS Vial : 22 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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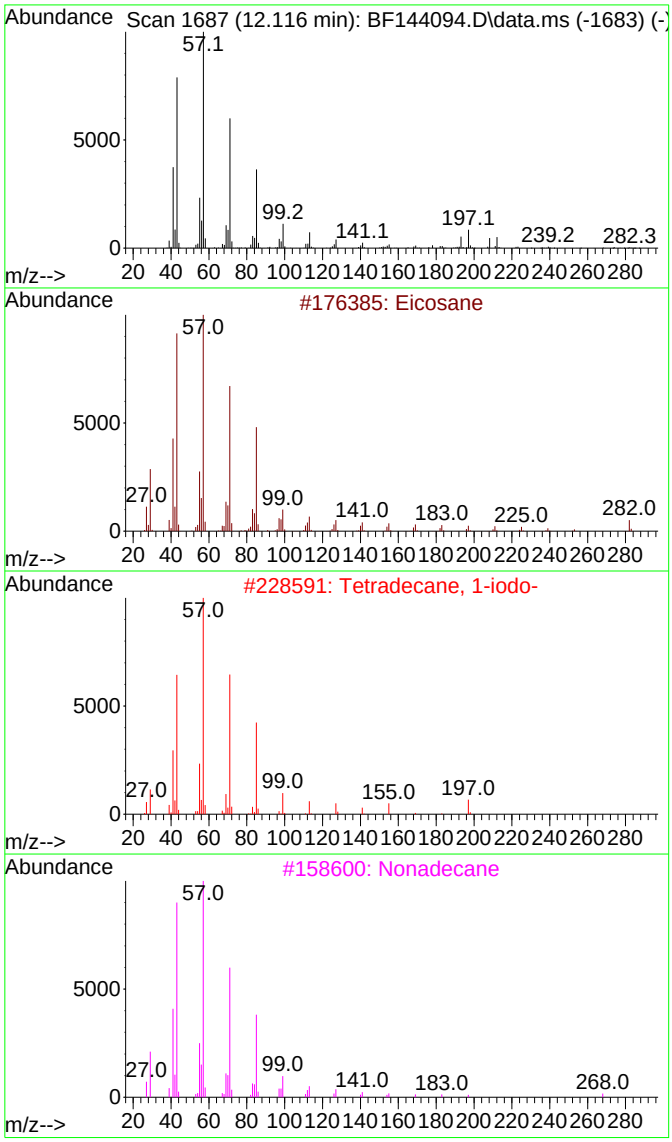
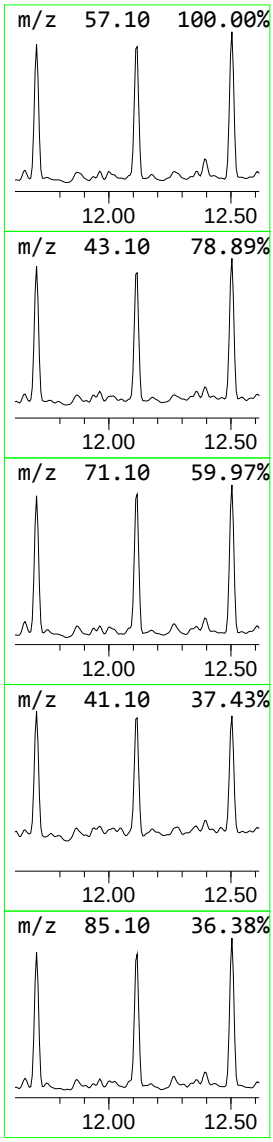
Peak Number 18 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	85.43 ng	1082440	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	83
3	Nonadecane	268	C19H40	000629-92-5	81
4	Tetradecane	198	C14H30	000629-59-4	81
5	Heptadecane	240	C17H36	000629-78-7	74





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ALS Vial : 22 Sample Multiplier: 1

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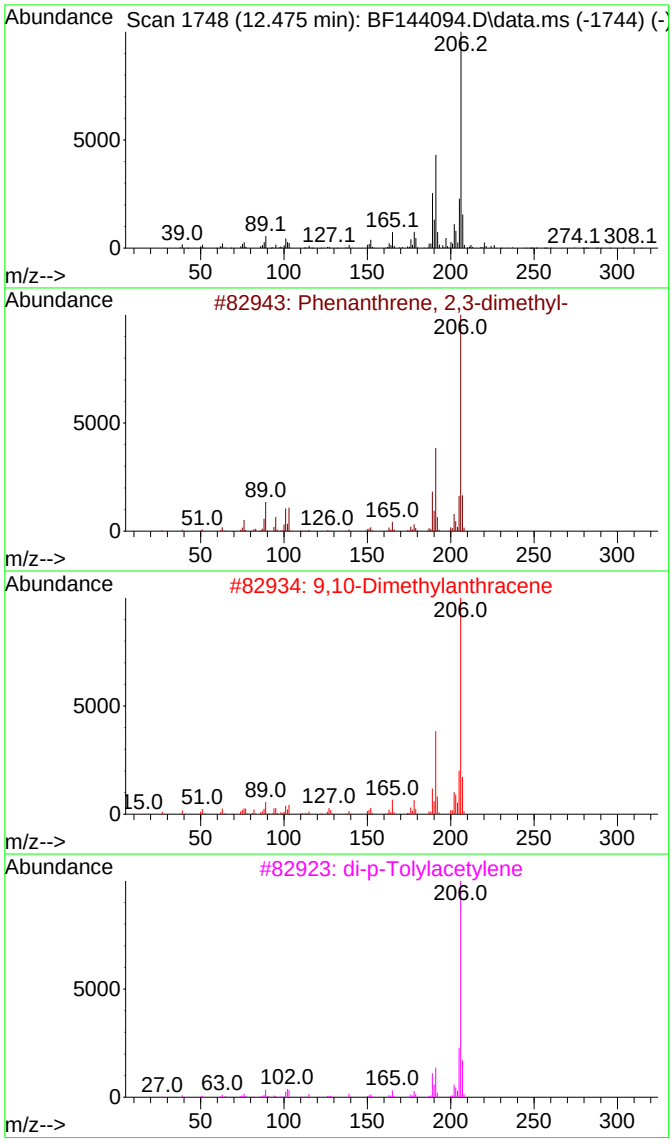
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

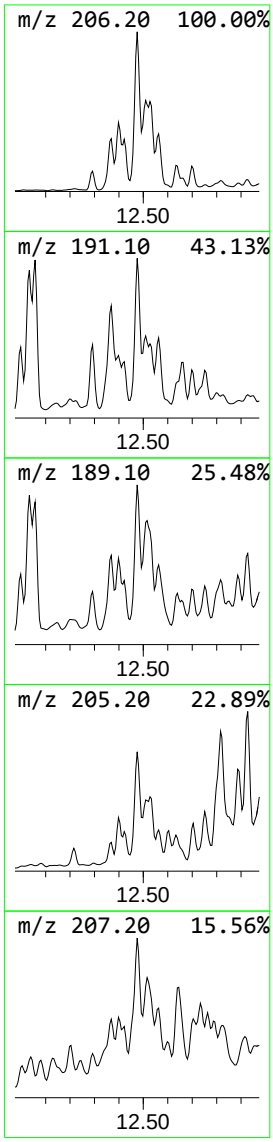
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	76.38 ng	967836	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

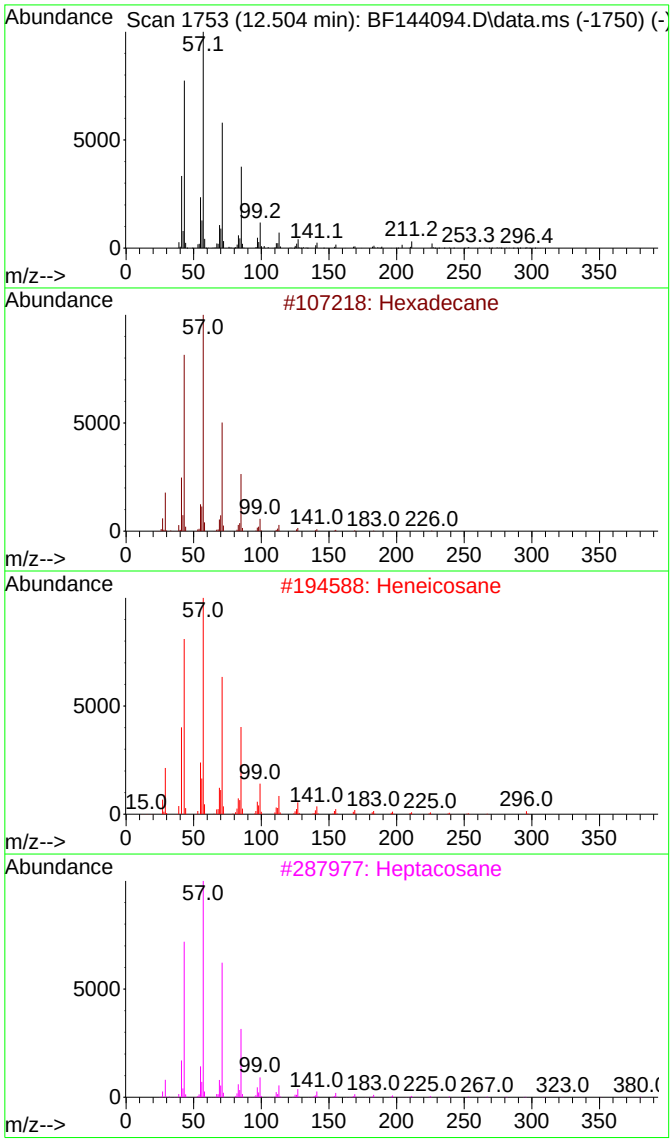
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

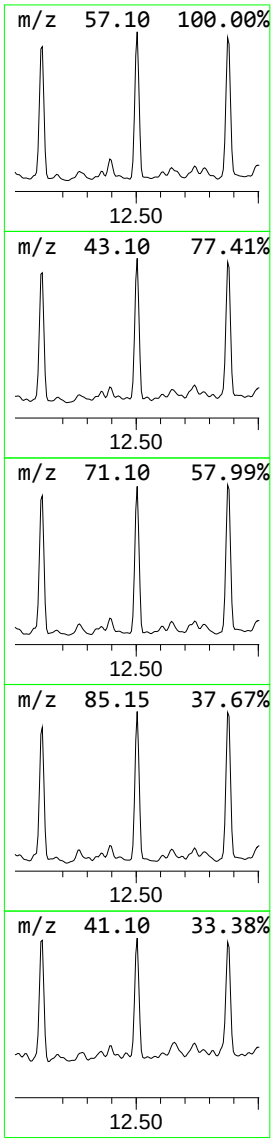
****

Peak Number 20 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	128.71 ng	1630860	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptacosane	380	C27H56	000593-49-7	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Eicosane	282	C20H42	000112-95-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144094.D
Acq On : 27 Oct 2025 20:32
Operator : RC/JU
Sample : Q3447-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-...	9.439	24.8	ng	850673	3	9.922	686634	20.0
Naphthalene, 2,...	9.504	39.7	ng	1361550	3	9.922	686634	20.0
Naphthalene, 1,...	9.581	35.7	ng	1225490	3	9.922	686634	20.0
Hexadecane	9.851	26.2	ng	900367	3	9.922	686634	20.0
Naphthalene, 2,...	10.028	27.5	ng	942636	3	9.922	686634	20.0
Naphthalene, 1,...	10.122	25.6	ng	879822	3	9.922	686634	20.0
Naphthalene, 1,...	10.345	53.1	ng	1823440	3	9.922	686634	20.0
Octadecane	11.275	77.4	ng	980873	4	11.416	253419	20.0
Nonadecane	11.704	64.3	ng	815384	4	11.416	253419	20.0
Phenanthrene, 1...	11.922	62.8	ng	796148	4	11.416	253419	20.0
Phenanthrene, 2...	11.951	76.6	ng	971156	4	11.416	253419	20.0
Anthracene, 2-m...	11.998	35.3	ng	447794	4	11.416	253419	20.0
Eicosane	12.116	85.4	ng	1082440	4	11.416	253419	20.0
Phenanthrene, 2...	12.475	76.4	ng	967836	4	11.416	253419	20.0
Heneicosane	12.504	128.7	ng	1630860	4	11.416	253419	20.0

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01DL			SDG No.:	Q3447
Lab Sample ID:	Q3447-01DL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	18400	UD	4	18400	38800	ug/Kg	10/28/25 22:40	PB170246
108-95-2	Phenol	2600	UD	4	2600	20000	ug/Kg	10/28/25 22:40	PB170246
111-44-4	bis(2-Chloroethyl)ether	2900	UD	4	2900	20000	ug/Kg	10/28/25 22:40	PB170246
95-57-8	2-Chlorophenol	2900	UD	4	2900	20000	ug/Kg	10/28/25 22:40	PB170246
95-48-7	2-Methylphenol	3500	UD	4	3500	20000	ug/Kg	10/28/25 22:40	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	4400	UD	4	4400	20000	ug/Kg	10/28/25 22:40	PB170246
98-86-2	Acetophenone	3500	UD	4	3500	20000	ug/Kg	10/28/25 22:40	PB170246
65794-96-9	3+4-Methylphenols	4800	UD	4	4800	38800	ug/Kg	10/28/25 22:40	PB170246
621-64-7	n-Nitroso-di-n-propylamine	5600	UD	4	5600	9400	ug/Kg	10/28/25 22:40	PB170246
67-72-1	Hexachloroethane	2100	UDQ	4	2100	20000	ug/Kg	10/28/25 22:40	PB170246
98-95-3	Nitrobenzene	2200	UD	4	2200	20000	ug/Kg	10/28/25 22:40	PB170246
78-59-1	Isophorone	3900	UD	4	3900	20000	ug/Kg	10/28/25 22:40	PB170246
88-75-5	2-Nitrophenol	6800	UD	4	6800	20000	ug/Kg	10/28/25 22:40	PB170246
105-67-9	2,4-Dimethylphenol	7600	UD	4	7600	20000	ug/Kg	10/28/25 22:40	PB170246
111-91-1	bis(2-Chloroethoxy)methane	3600	UD	4	3600	20000	ug/Kg	10/28/25 22:40	PB170246
120-83-2	2,4-Dichlorophenol	3300	UD	4	3300	20000	ug/Kg	10/28/25 22:40	PB170246
91-20-3	Naphthalene	58500	D	4	2700	20000	ug/Kg	10/28/25 22:40	PB170246
106-47-8	4-Chloroaniline	4200	UD	4	4200	20000	ug/Kg	10/28/25 22:40	PB170246
87-68-3	Hexachlorobutadiene	3000	UD	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
105-60-2	Caprolactam	6100	UD	4	6100	38800	ug/Kg	10/28/25 22:40	PB170246
59-50-7	4-Chloro-3-methylphenol	3400	UD	4	3400	20000	ug/Kg	10/28/25 22:40	PB170246
91-57-6	2-Methylnaphthalene	203000	D	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
77-47-4	Hexachlorocyclopentadiene	13600	UD	4	13600	38800	ug/Kg	10/28/25 22:40	PB170246
88-06-2	2,4,6-Trichlorophenol	2300	UD	4	2300	20000	ug/Kg	10/28/25 22:40	PB170246
95-95-4	2,4,5-Trichlorophenol	3400	UD	4	3400	20000	ug/Kg	10/28/25 22:40	PB170246
92-52-4	1,1-Biphenyl	15800	JD	4	2600	20000	ug/Kg	10/28/25 22:40	PB170246
91-58-7	2-Chloronaphthalene	2600	UD	4	2600	20000	ug/Kg	10/28/25 22:40	PB170246
88-74-4	2-Nitroaniline	5700	UD	4	5700	20000	ug/Kg	10/28/25 22:40	PB170246
131-11-3	Dimethylphthalate	3200	UD	4	3200	20000	ug/Kg	10/28/25 22:40	PB170246
208-96-8	Acenaphthylene	3400	UD	4	3400	20000	ug/Kg	10/28/25 22:40	PB170246
606-20-2	2,6-Dinitrotoluene	4000	UD	4	4000	20000	ug/Kg	10/28/25 22:40	PB170246
99-09-2	3-Nitroaniline	5400	UD	4	5400	20000	ug/Kg	10/28/25 22:40	PB170246
83-32-9	Acenaphthene	10800	JD	4	2500	20000	ug/Kg	10/28/25 22:40	PB170246
51-28-5	2,4-Dinitrophenol	26900	UD	4	26900	38800	ug/Kg	10/28/25 22:40	PB170246
100-02-7	4-Nitrophenol	12600	UD	4	12600	38800	ug/Kg	10/28/25 22:40	PB170246
132-64-9	Dibenzofuran	2700	UD	4	2700	20000	ug/Kg	10/28/25 22:40	PB170246
121-14-2	2,4-Dinitrotoluene	5900	UD	4	5900	20000	ug/Kg	10/28/25 22:40	PB170246
84-66-2	Diethylphthalate	3300	UD	4	3300	20000	ug/Kg	10/28/25 22:40	PB170246
7005-72-3	4-Chlorophenyl-phenylether	3100	UD	4	3100	20000	ug/Kg	10/28/25 22:40	PB170246
86-73-7	Fluorene	27200	D	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
100-01-6	4-Nitroaniline	7600	UD	4	7600	20000	ug/Kg	10/28/25 22:40	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	12100	UD	4	12100	38800	ug/Kg	10/28/25 22:40	PB170246

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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01DL			SDG No.:	Q3447
Lab Sample ID:	Q3447-01DL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3900	UD	4	3900	20000	ug/Kg	10/28/25 22:40	PB170246
101-55-3	4-Bromophenyl-phenylether	3300	UD	4	3300	20000	ug/Kg	10/28/25 22:40	PB170246
118-74-1	Hexachlorobenzene	3000	UD	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
1912-24-9	Atrazine	4000	UD	4	4000	20000	ug/Kg	10/28/25 22:40	PB170246
87-86-5	Pentachlorophenol	6000	UD	4	6000	38800	ug/Kg	10/28/25 22:40	PB170246
85-01-8	Phenanthrene	134000	D	4	2500	20000	ug/Kg	10/28/25 22:40	PB170246
120-12-7	Anthracene	18700	JD	4	3900	20000	ug/Kg	10/28/25 22:40	PB170246
86-74-8	Carbazole	3700	UD	4	3700	20000	ug/Kg	10/28/25 22:40	PB170246
84-74-2	Di-n-butylphthalate	5600	UD	4	5600	20000	ug/Kg	10/28/25 22:40	PB170246
206-44-0	Fluoranthene	16100	JD	4	3500	20000	ug/Kg	10/28/25 22:40	PB170246
129-00-0	Pyrene	81700	D	4	4200	20000	ug/Kg	10/28/25 22:40	PB170246
85-68-7	Butylbenzylphthalate	8400	UD	4	8400	20000	ug/Kg	10/28/25 22:40	PB170246
91-94-1	3,3-Dichlorobenzidine	4300	UD	4	4300	38800	ug/Kg	10/28/25 22:40	PB170246
56-55-3	Benzo(a)anthracene	17900	JD	4	2700	20000	ug/Kg	10/28/25 22:40	PB170246
218-01-9	Chrysene	28300	D	4	2300	20000	ug/Kg	10/28/25 22:40	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	7000	UD	4	7000	20000	ug/Kg	10/28/25 22:40	PB170246
117-84-0	Di-n-octyl phthalate	10200	UD	4	10200	38800	ug/Kg	10/28/25 22:40	PB170246
205-99-2	Benzo(b)fluoranthene	2200	UD	4	2200	20000	ug/Kg	10/28/25 22:40	PB170246
207-08-9	Benzo(k)fluoranthene	2600	UD	4	2600	20000	ug/Kg	10/28/25 22:40	PB170246
50-32-8	Benzo(a)pyrene	14100	JD	4	3500	20000	ug/Kg	10/28/25 22:40	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	3400	UD	4	3400	20000	ug/Kg	10/28/25 22:40	PB170246
53-70-3	Dibenzo(a,h)anthracene	3200	UD	4	3200	20000	ug/Kg	10/28/25 22:40	PB170246
191-24-2	Benzo(g,h,i)perylene	3000	UD	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	3000	UD	4	3000	20000	ug/Kg	10/28/25 22:40	PB170246
123-91-1	1,4-Dioxane	5300	UD	4	5300	20000	ug/Kg	10/28/25 22:40	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	3200	UD	4	3200	20000	ug/Kg	10/28/25 22:40	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	52.3			18 - 112	35%	SPK: 150		
13127-88-3	Phenol-d6	57.8			15 - 107	39%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.4			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	44.2			20 - 109	44%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	35.3			10 - 116	24%	SPK: 150		
1718-51-0	Terphenyl-d14	33.0			10 - 105	33%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	65300							
1146-65-2	Naphthalene-d8	226000							
15067-26-2	Acenaphthene-d10	115000							
1517-22-2	Phenanthrene-d10	155000							
1719-03-5	Chrysene-d12	152000							
1520-96-3	Perylene-d12	156000							

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01DL			SDG No.:	Q3447
Lab Sample ID:	Q3447-01DL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144116.D
Acq On : 28 Oct 2025 22:40
Operator : RC/JU
Sample : Q3447-01DL 4X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Quant Time: Oct 29 05:48:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

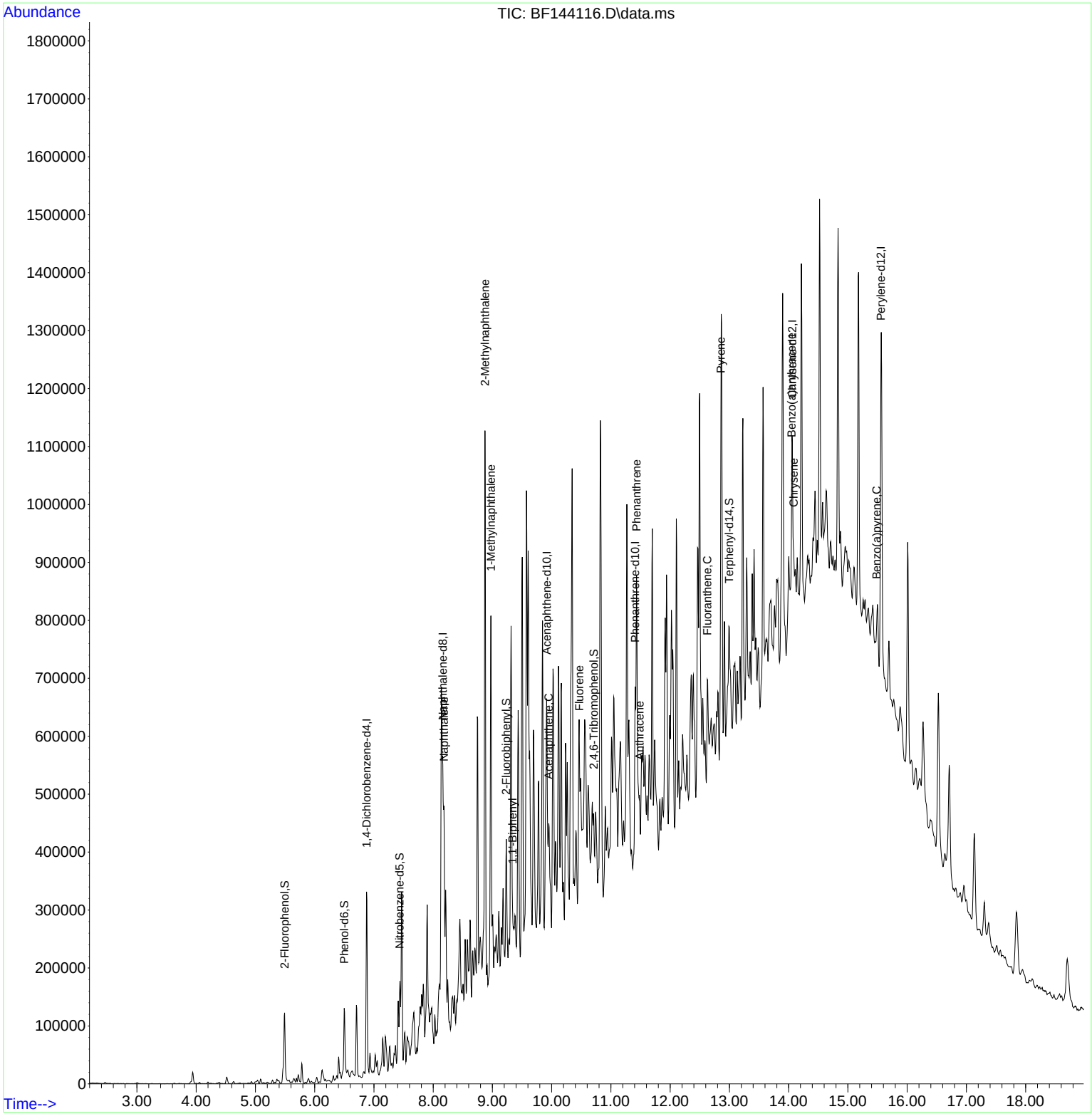
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	65328	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	225857	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	115098	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	155224	20.000	ng		0.00
76) Chrysene-d12	14.062	240	152005	20.000	ng		0.00
86) Perylene-d12	15.556	264	156185	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	54013	13.081	ng		0.00
7) Phenol-d6	6.498	99	65866	14.444	ng		0.00
23) Nitrobenzene-d5	7.433	82	40656	9.862	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	12939	8.825	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	90322	11.043	ng		0.00
79) Terphenyl-d14	12.998	244	71721	8.249	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.180	128	159126	14.928	ng		98
37) 2-Methylnaphthalene	8.875	142	364052	51.799	ng		95
38) 1-Methylnaphthalene	8.975	142	226028	33.946	ng		97
46) 1,1'-Biphenyl	9.339	154	33235	4.034	ng		98
52) Acenaphthene	9.951	154	17045	2.742	ng	#	67
58) Fluorene	10.469	166	45613	6.937	ng	#	84
71) Phenanthrene	11.433	178	263850	34.218	ng		97
72) Anthracene	11.486	178	37953	4.765	ng	#	84
75) Fluoranthene	12.627	202	34984	4.107	ng		68
78) Pyrene	12.857	202	227620	20.829	ng	#	95
81) Benzo(a)anthracene	14.051	228	46818	4.558	ng	#	23
83) Chrysene	14.086	228	69551	7.215	ng	#	46
90) Benzo(a)pyrene	15.486	252	28401	3.585	ng	#	56

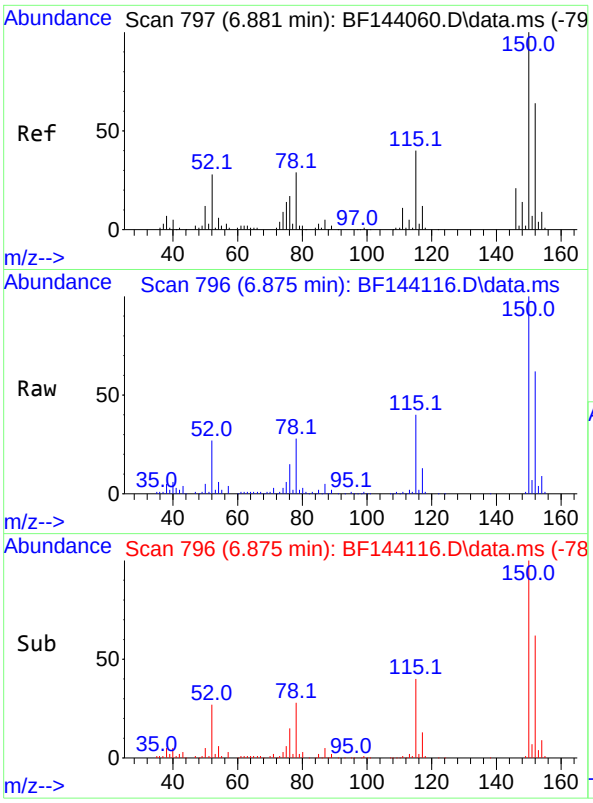
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144116.D
Acq On : 28 Oct 2025 22:40
Operator : RC/JU
Sample : Q3447-01DL 4X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Quant Time: Oct 29 05:48:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



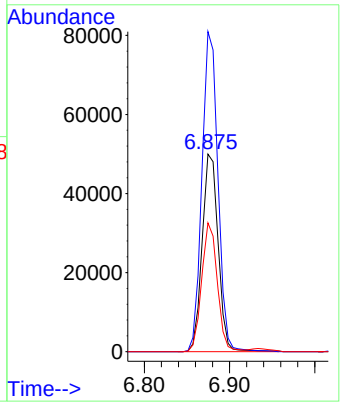


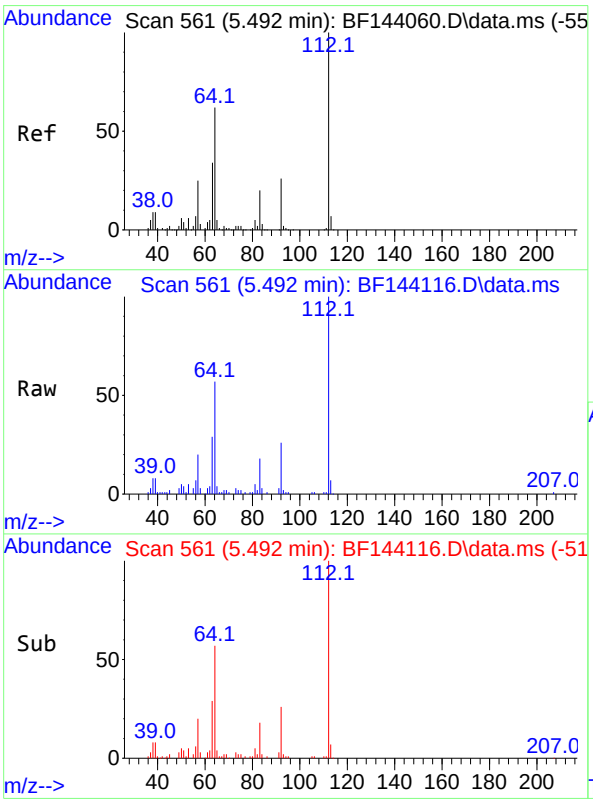
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:152 Resp: 65328

Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.4	186.6
115	65.2	49.4	74.0

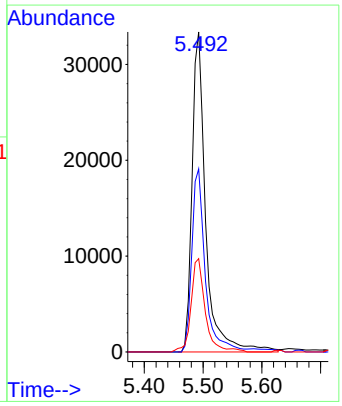


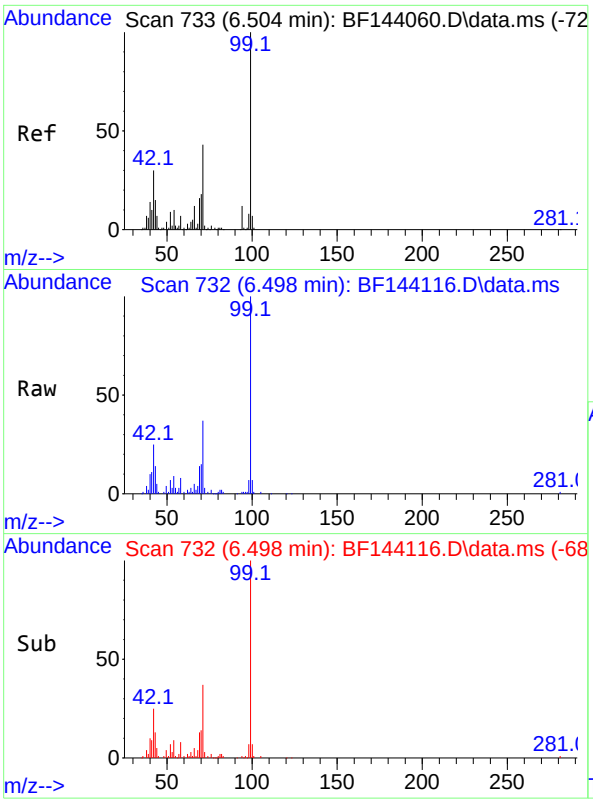


#5
2-Fluorophenol
Concen: 13.081 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:112 Resp: 54013

Ion	Ratio	Lower	Upper
112	100		
64	57.2	49.8	74.8
63	29.1	27.4	41.2



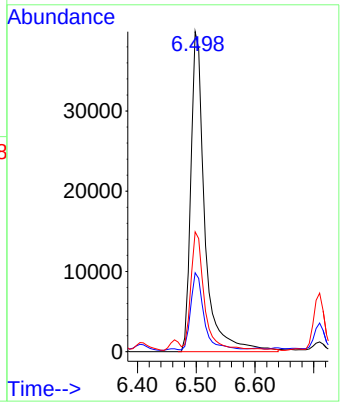


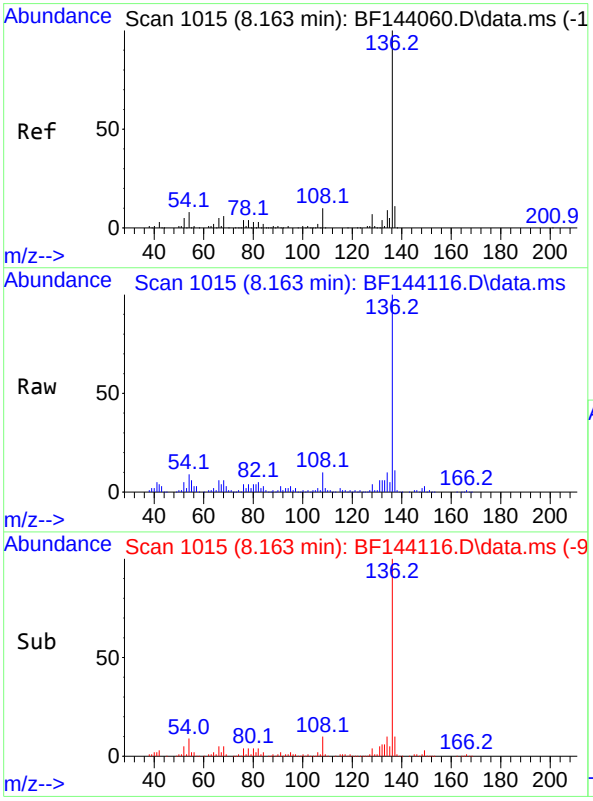
#7
Phenol-d6
Concen: 14.444 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion: 99 Resp: 65866

Ion	Ratio	Lower	Upper
99	100		
42	24.7	23.9	35.9
71	37.5	34.4	51.6

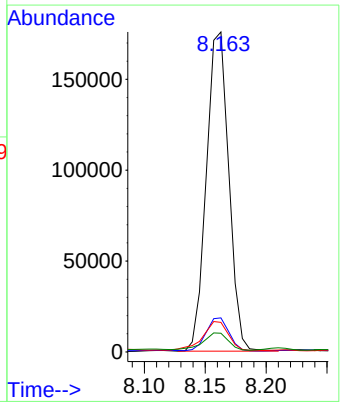


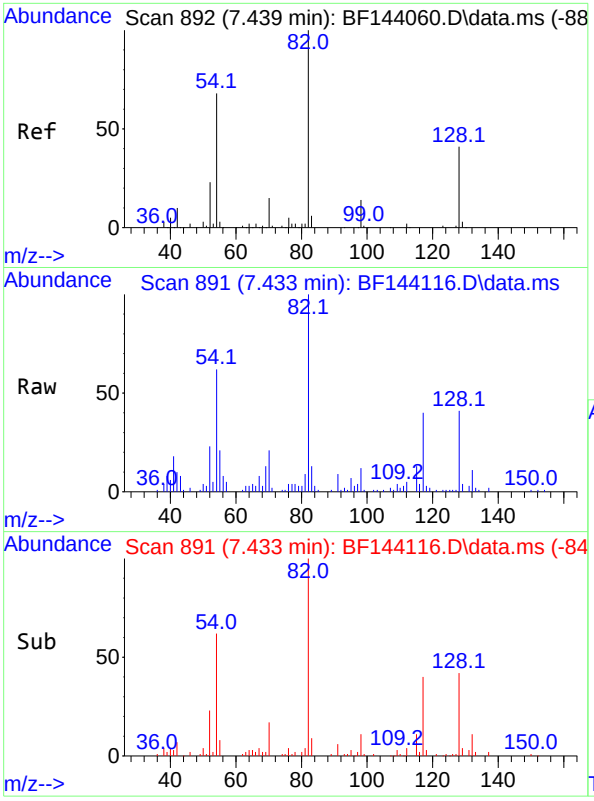


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:136 Resp: 225857

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.3	6.6	9.8
68	5.9	4.6	6.8



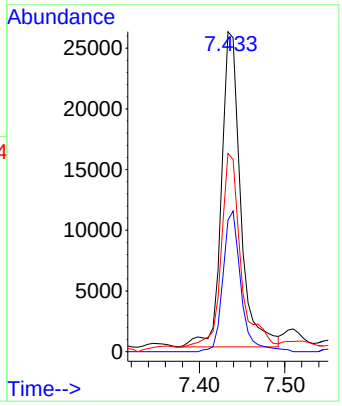


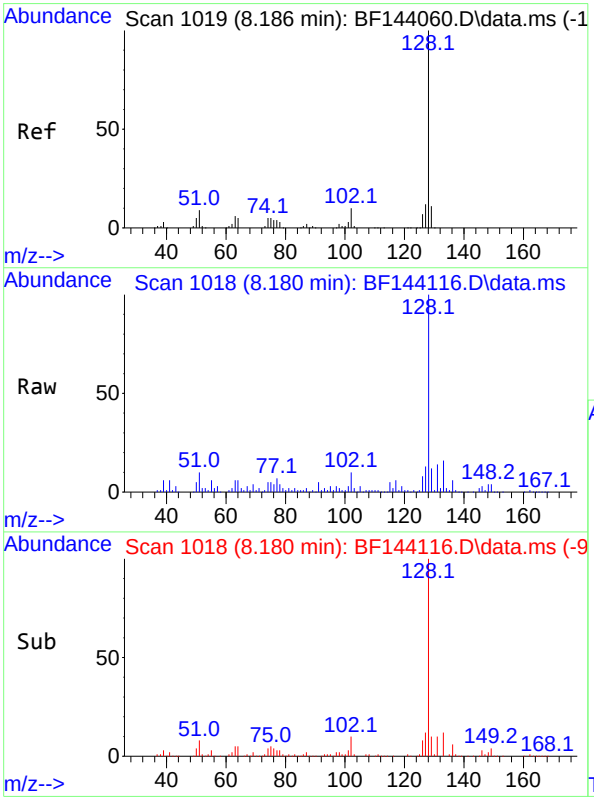
#23
Nitrobenzene-d5
Concen: 9.862 ng
RT: 7.433 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion: 82 Resp: 40656

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.4	48.6
54	61.9	54.0	81.0

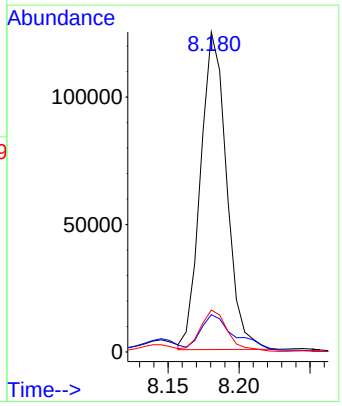


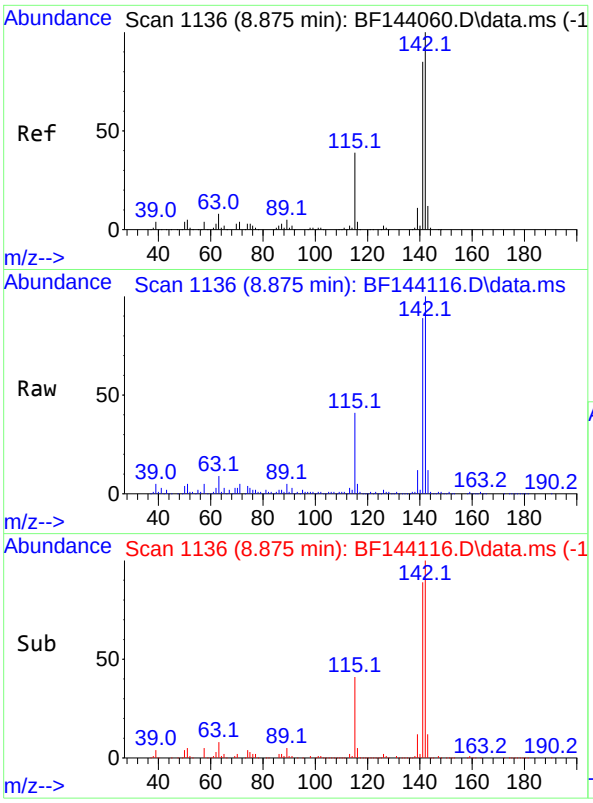


#31
Naphthalene
Concen: 14.928 ng
RT: 8.180 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:128 Resp: 159126

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.4	12.6
127	13.1	9.9	14.9



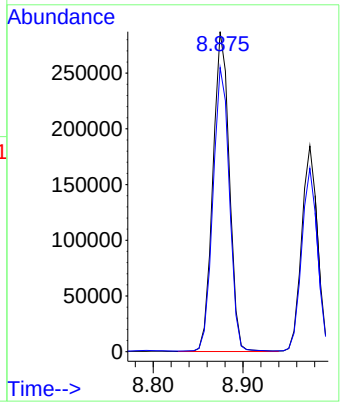


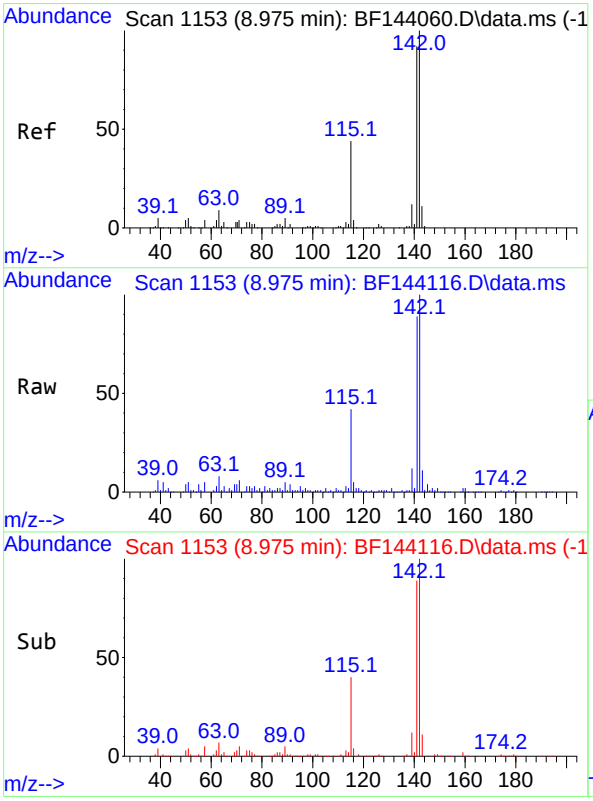
#37
2-Methylnaphthalene
Concen: 51.799 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:142 Resp: 364052

Ion	Ratio	Lower	Upper
142	100		
141	88.8	67.6	101.4

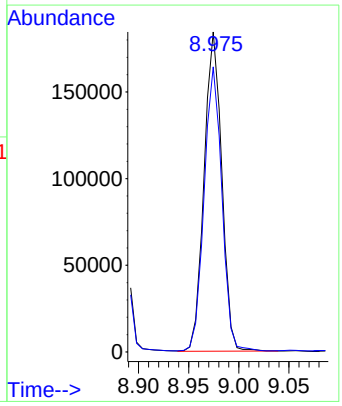


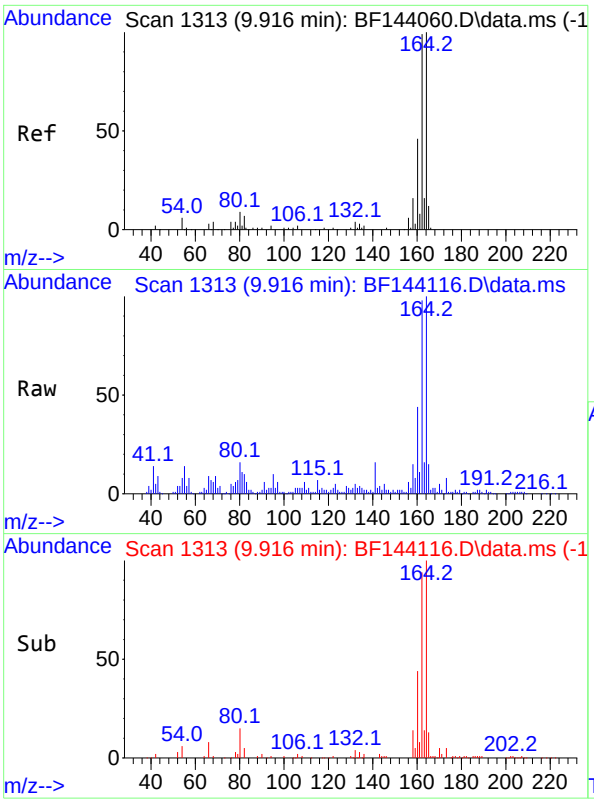


#38
1-Methylnaphthalene
Concen: 33.946 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:142 Resp: 226028

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.4	110.2



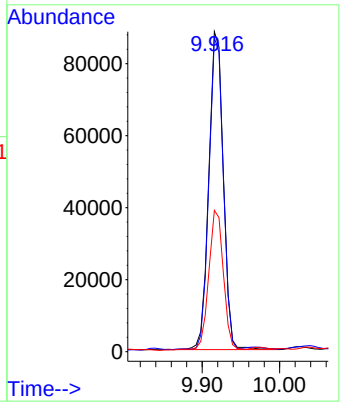


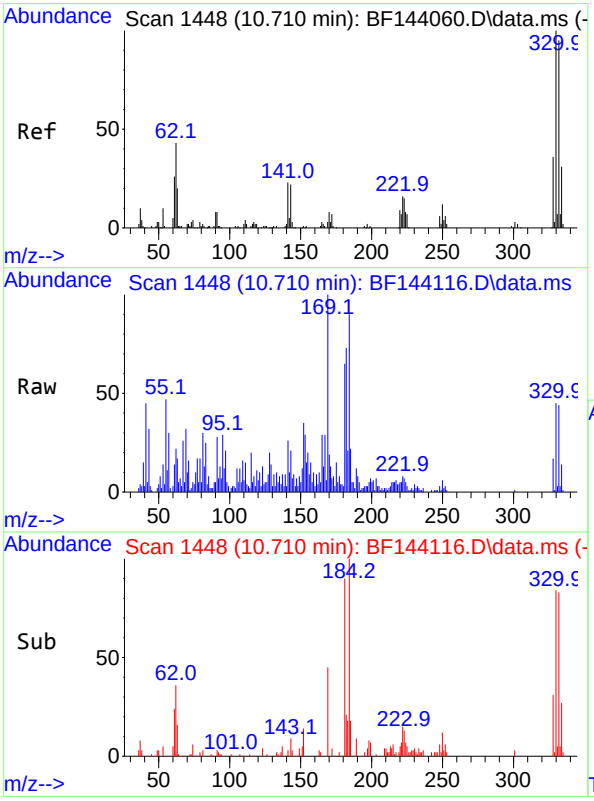
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:164 Resp: 115098

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.4	119.2
160	44.2	36.7	55.1

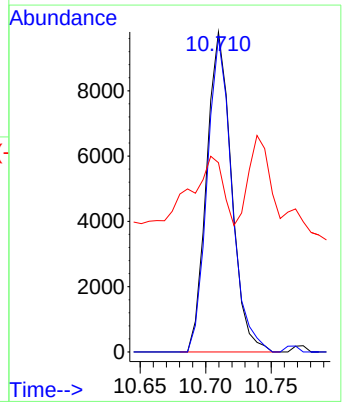


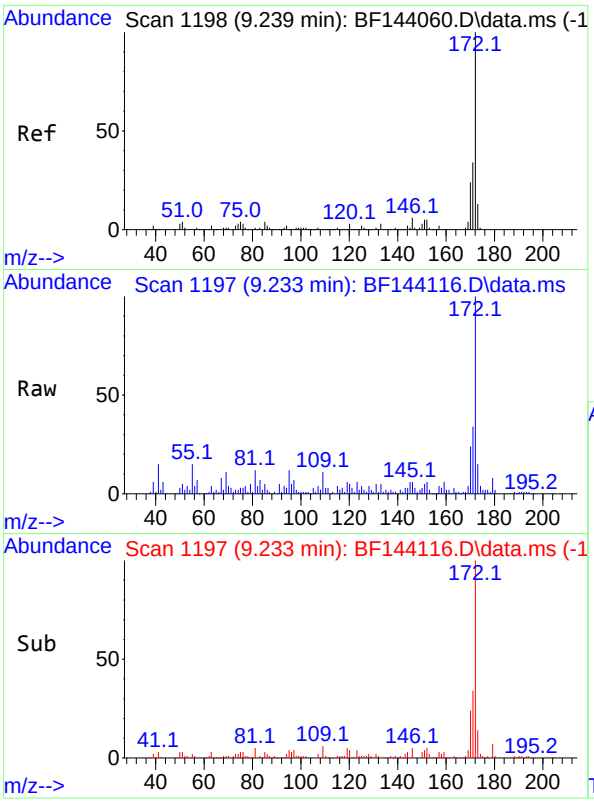


#42
2,4,6-Tribromophenol
Concen: 8.825 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:330 Resp: 12939

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	26.5	19.4	29.0



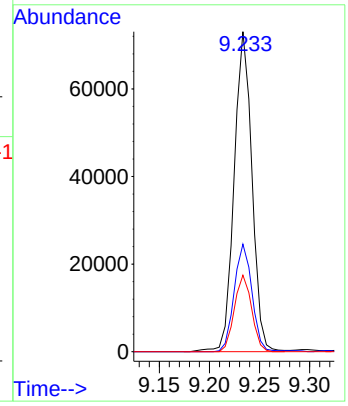


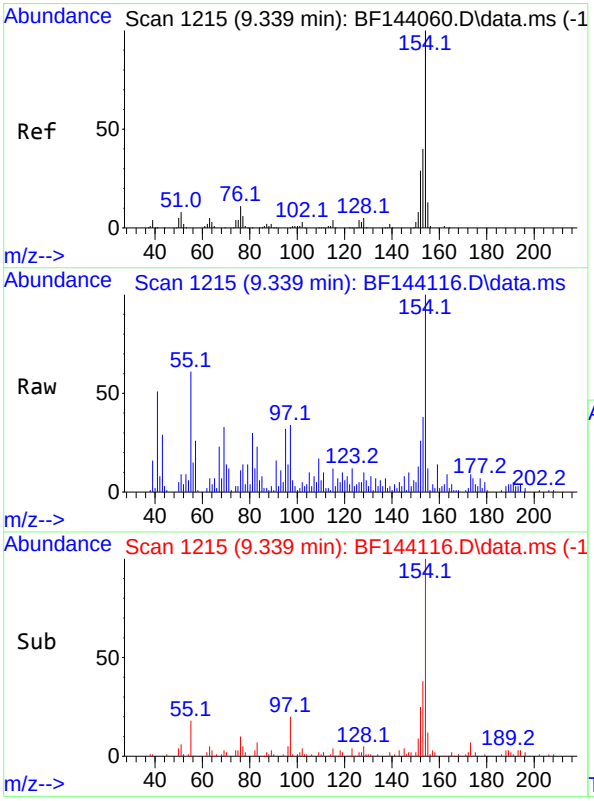
#45
2-Fluorobiphenyl
Concen: 11.043 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:172 Resp: 90322

Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.5	41.3
170	23.9	19.0	28.6

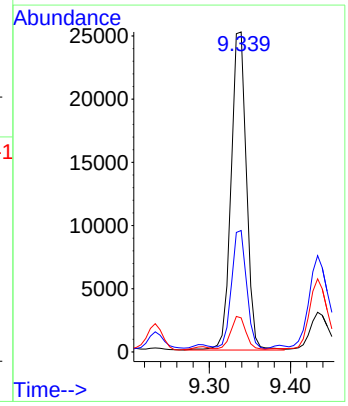


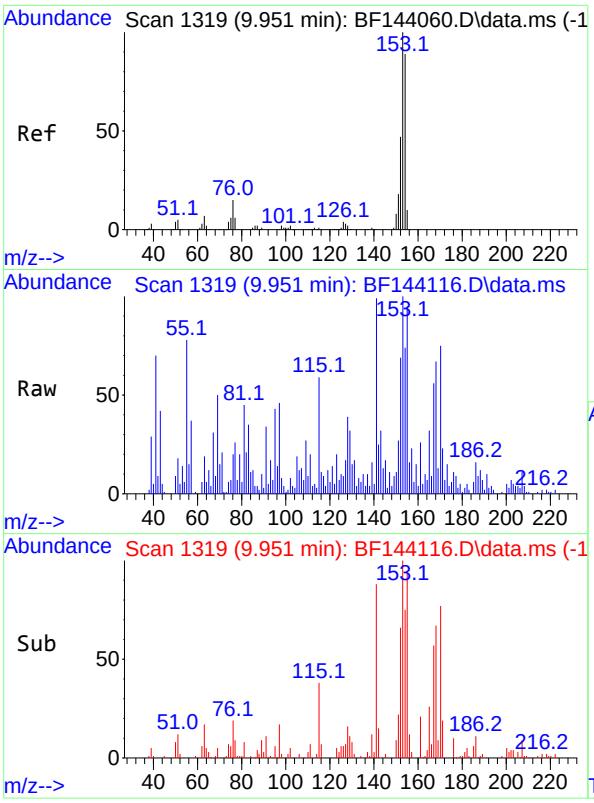


#46
1,1'-Biphenyl
Concen: 4.034 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:154 Resp: 33235

Ion	Ratio	Lower	Upper
154	100		
153	38.0	19.7	59.7
76	10.6	0.0	31.1



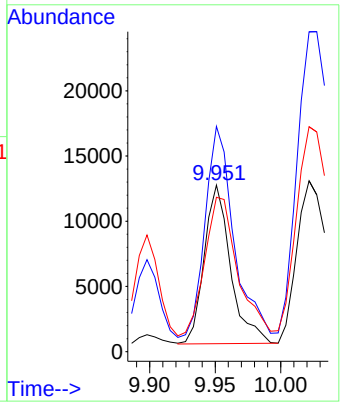


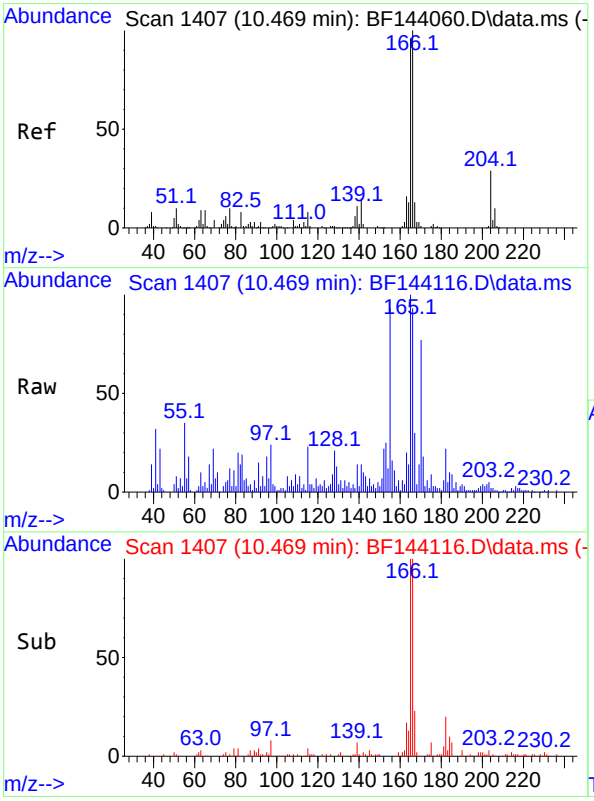
#52
Acenaphthene
Concen: 2.742 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:154 Resp: 17045

Ion	Ratio	Lower	Upper
154	100		
153	135.2	89.9	134.9#
152	92.7	42.0	63.0#

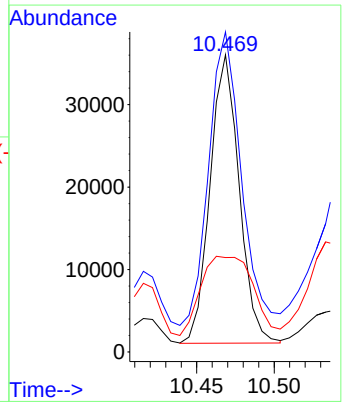


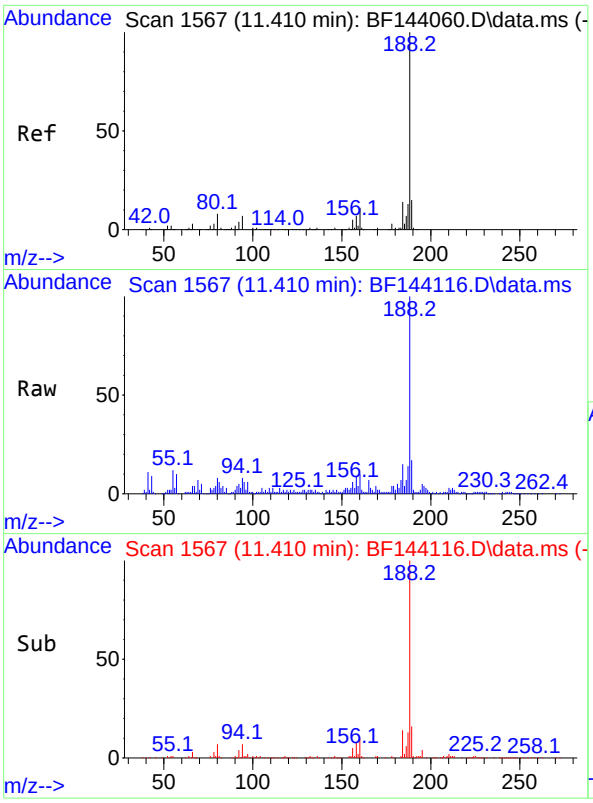


#58
Fluorene
Concen: 6.937 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:166 Resp: 45613

Ion	Ratio	Lower	Upper
166	100		
165	107.7	77.0	115.4
167	31.8	10.2	15.4#



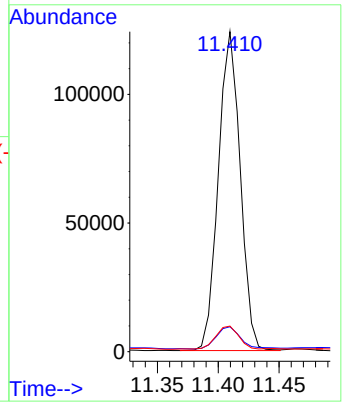


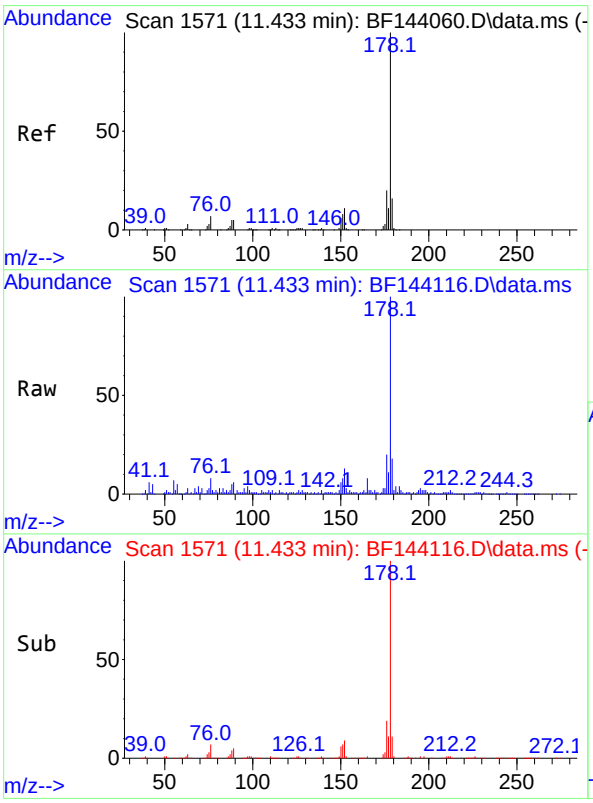
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:188 Resp: 155224

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.4	8.0
80	8.0	6.0	9.0

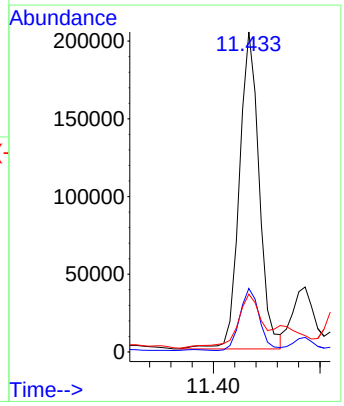


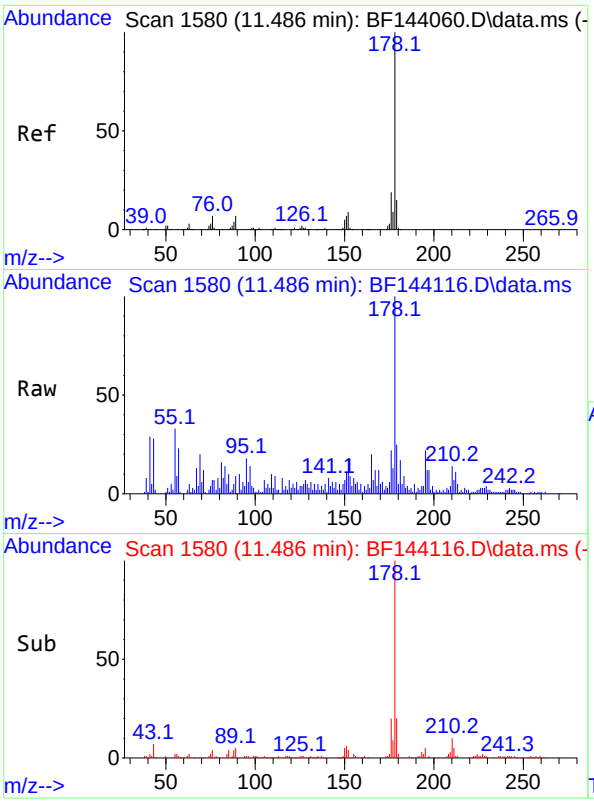


#71
Phenanthrene
Concen: 34.218 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:178 Resp: 263850

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	18.0	12.6	18.8



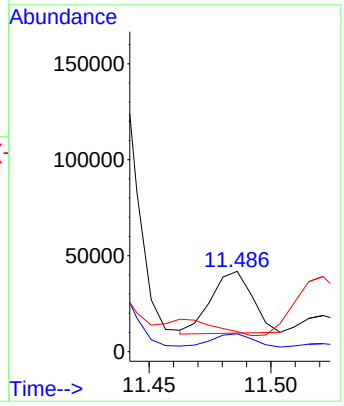


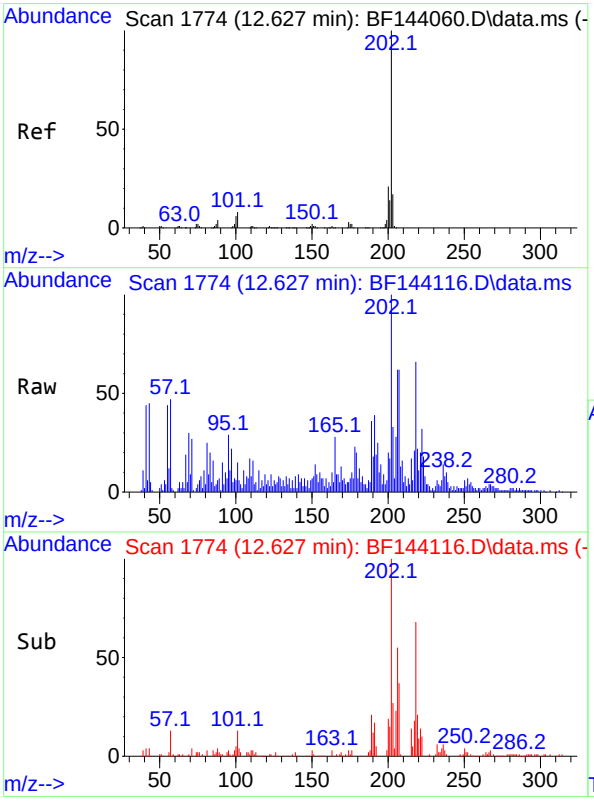
#72
Anthracene
Concen: 4.765 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:178 Resp: 37953

Ion	Ratio	Lower	Upper
178	100		
176	22.3	15.0	22.4
179	25.0	11.8	17.6#

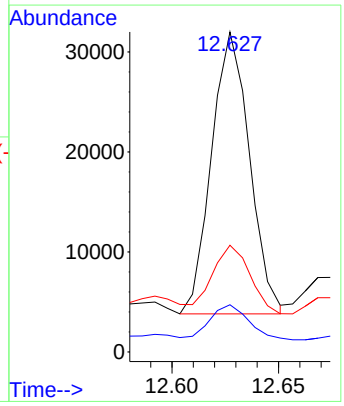


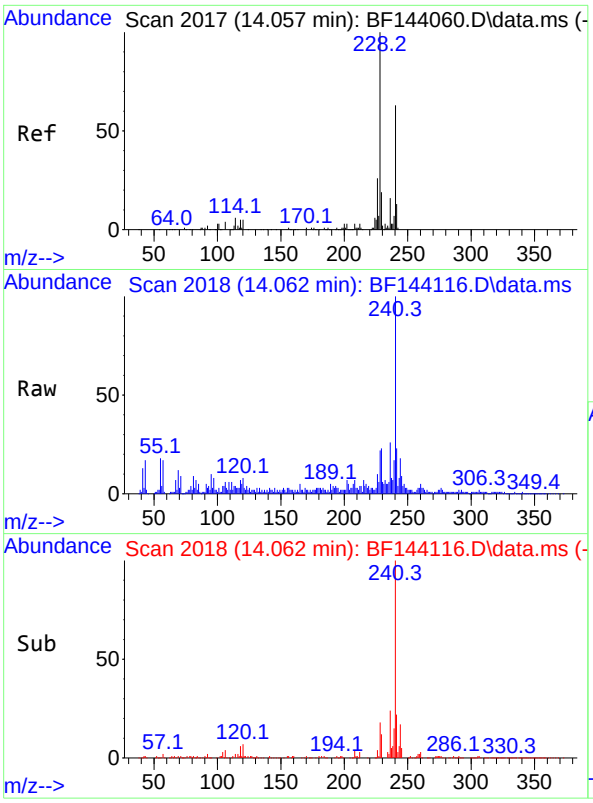


#75
Fluoranthene
Concen: 4.107 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:202 Resp: 34984

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	27.7
203	33.4	0.0	37.3



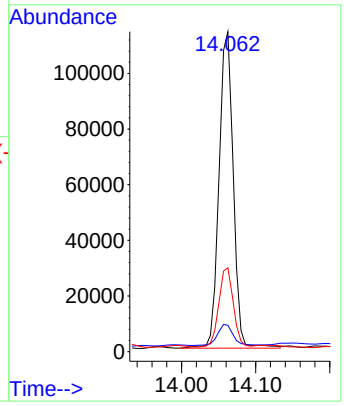


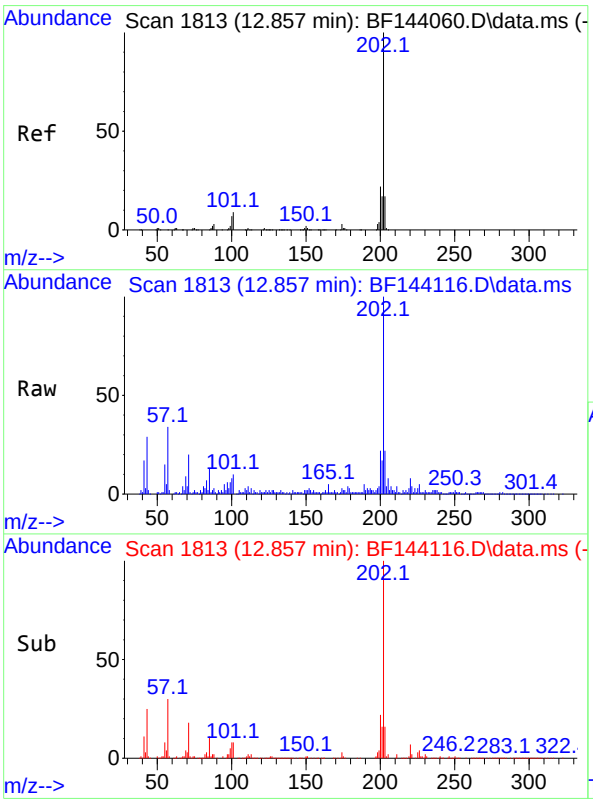
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:240 Resp: 152005

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	26.2	20.1	30.1

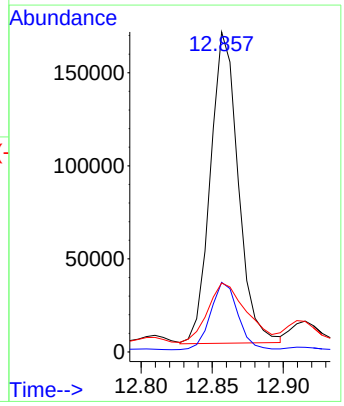


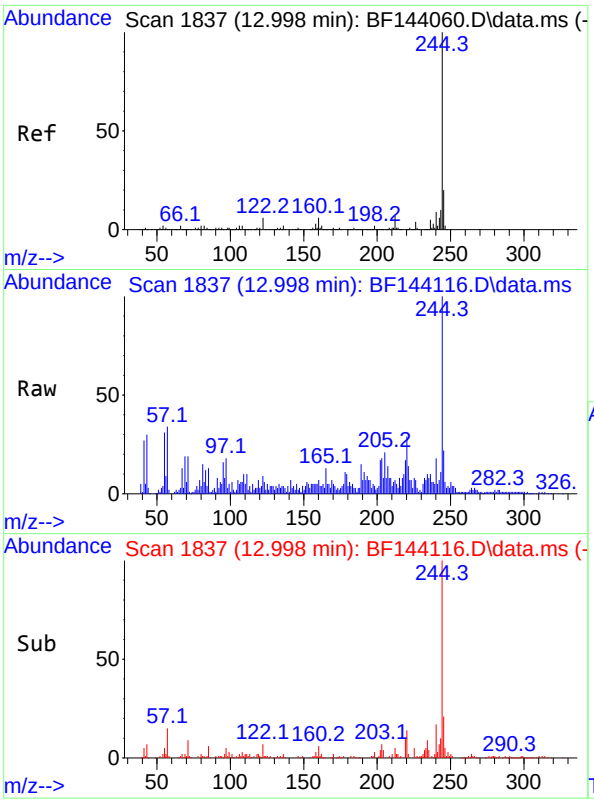


#78
Pyrene
Concen: 20.829 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:202 Resp: 227620

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	21.5	13.5	20.3#



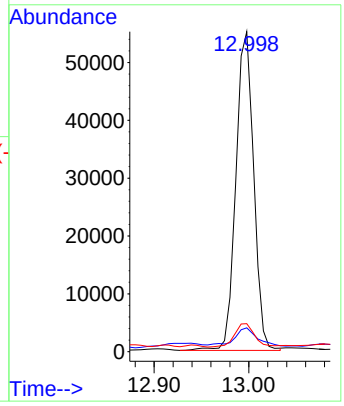


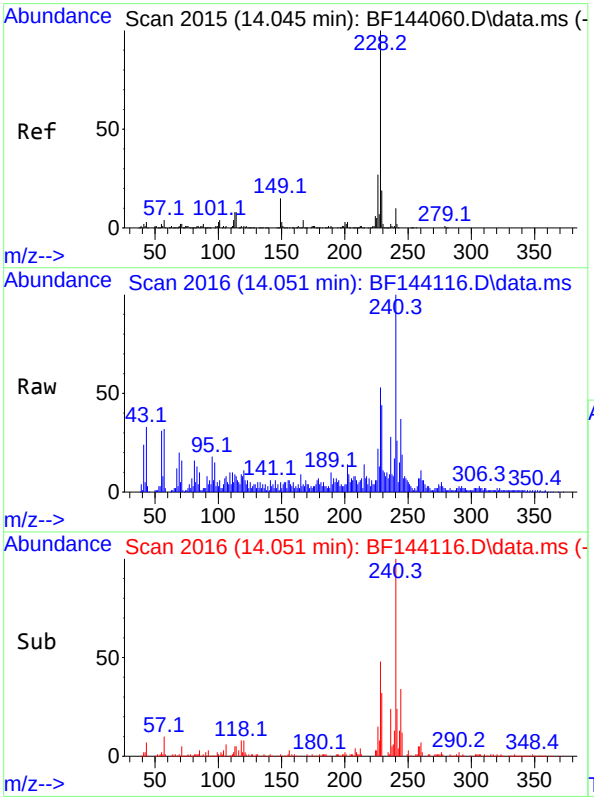
#79
Terphenyl-d14
Concen: 8.249 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:244 Resp: 71721

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.8	4.9	7.3#

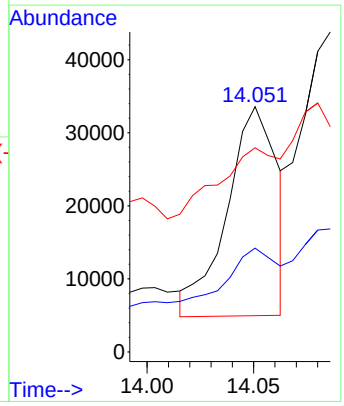


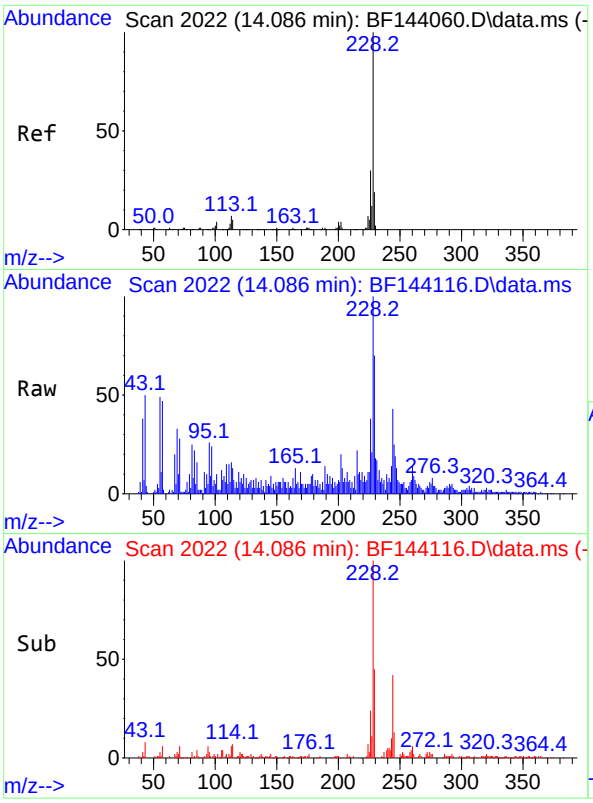


#81
Benzo(a)anthracene
Concen: 4.558 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:228 Resp: 46818

Ion	Ratio	Lower	Upper
228	100		
226	42.3	21.4	32.2#
229	83.2	15.3	22.9#



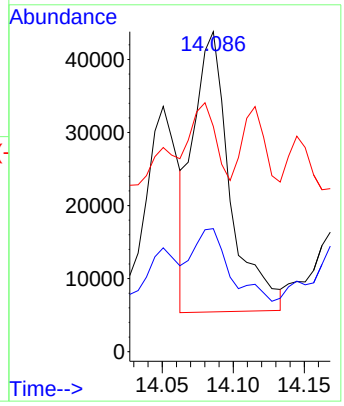


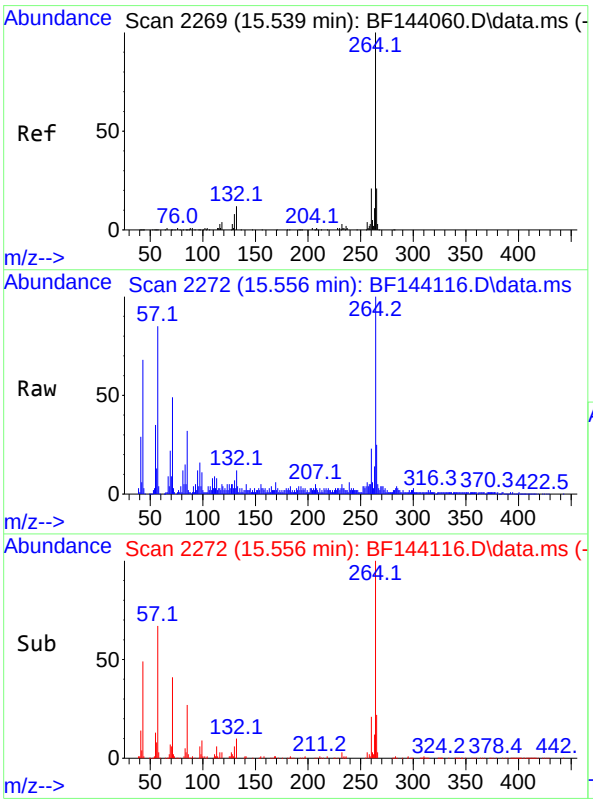
#83
Chrysene
Concen: 7.215 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:228 Resp: 69551

Ion	Ratio	Lower	Upper
228	100		
226	38.4	23.8	35.6#
229	70.4	15.6	23.4#

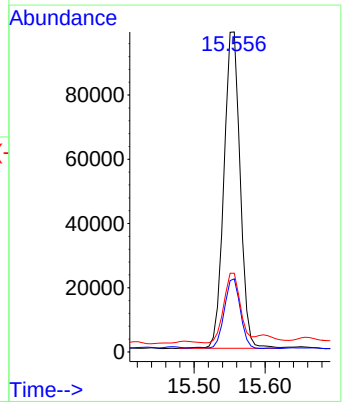


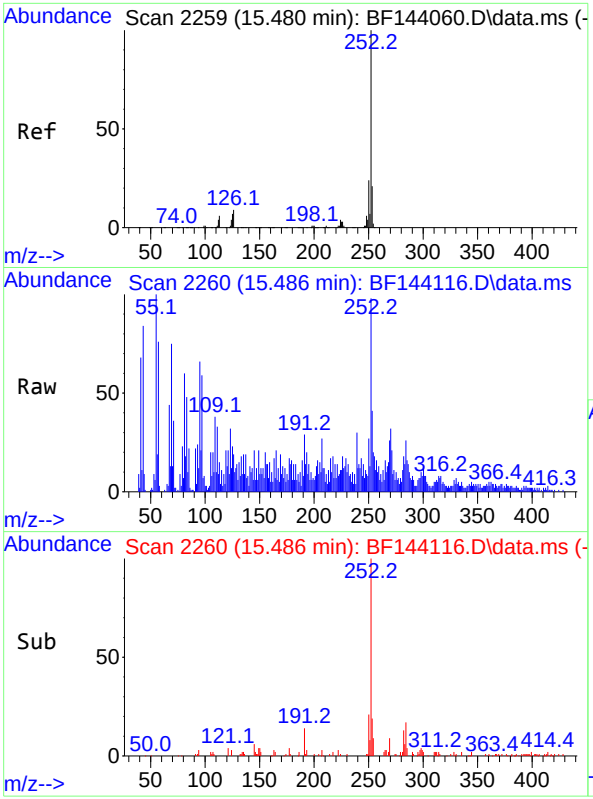


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Tgt Ion:264 Resp: 156185

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.0	25.4
265	24.6	16.6	24.8



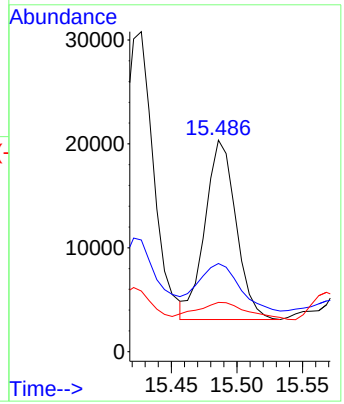


#90
Benzo(a)pyrene
Concen: 3.585 ng
RT: 15.486 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144116.D
Acq: 28 Oct 2025 22:40

Instrument :
BNA_F
ClientSampleId :
P001-TW1-251023-01DL

Tgt Ion:252 Resp: 28401

Ion	Ratio	Lower	Upper
252	100		
253	41.7	17.1	25.7#
125	23.3	5.4	8.2#



Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-03			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.7
Sample Wt/Vol:	1.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	24100	U	5	24100	50900	ug/Kg	10/27/25 18:32	PB170246
108-95-2	Phenol	3400	U	5	3400	26200	ug/Kg	10/27/25 18:32	PB170246
111-44-4	bis(2-Chloroethyl)ether	3700	U	5	3700	26200	ug/Kg	10/27/25 18:32	PB170246
95-57-8	2-Chlorophenol	3800	U	5	3800	26200	ug/Kg	10/27/25 18:32	PB170246
95-48-7	2-Methylphenol	4600	U	5	4600	26200	ug/Kg	10/27/25 18:32	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	5800	U	5	5800	26200	ug/Kg	10/27/25 18:32	PB170246
98-86-2	Acetophenone	4600	U	5	4600	26200	ug/Kg	10/27/25 18:32	PB170246
65794-96-9	3+4-Methylphenols	6300	U	5	6300	50900	ug/Kg	10/27/25 18:32	PB170246
621-64-7	n-Nitroso-di-n-propylamine	7300	U	5	7300	12300	ug/Kg	10/27/25 18:32	PB170246
67-72-1	Hexachloroethane	2700	UQ	5	2700	26200	ug/Kg	10/27/25 18:32	PB170246
98-95-3	Nitrobenzene	2800	U	5	2800	26200	ug/Kg	10/27/25 18:32	PB170246
78-59-1	Isophorone	5100	U	5	5100	26200	ug/Kg	10/27/25 18:32	PB170246
88-75-5	2-Nitrophenol	9000	U	5	9000	26200	ug/Kg	10/27/25 18:32	PB170246
105-67-9	2,4-Dimethylphenol	10000	U	5	10000	26200	ug/Kg	10/27/25 18:32	PB170246
111-91-1	bis(2-Chloroethoxy)methane	4800	U	5	4800	26200	ug/Kg	10/27/25 18:32	PB170246
120-83-2	2,4-Dichlorophenol	4400	U	5	4400	26200	ug/Kg	10/27/25 18:32	PB170246
91-20-3	Naphthalene	3500	U	5	3500	26200	ug/Kg	10/27/25 18:32	PB170246
106-47-8	4-Chloroaniline	5500	U	5	5500	26200	ug/Kg	10/27/25 18:32	PB170246
87-68-3	Hexachlorobutadiene	3900	U	5	3900	26200	ug/Kg	10/27/25 18:32	PB170246
105-60-2	Caprolactam	8000	U	5	8000	50900	ug/Kg	10/27/25 18:32	PB170246
59-50-7	4-Chloro-3-methylphenol	4400	U	5	4400	26200	ug/Kg	10/27/25 18:32	PB170246
91-57-6	2-Methylnaphthalene	4000	U	5	4000	26200	ug/Kg	10/27/25 18:32	PB170246
77-47-4	Hexachlorocyclopentadiene	17900	U	5	17900	50900	ug/Kg	10/27/25 18:32	PB170246
88-06-2	2,4,6-Trichlorophenol	3100	U	5	3100	26200	ug/Kg	10/27/25 18:32	PB170246
95-95-4	2,4,5-Trichlorophenol	4500	U	5	4500	26200	ug/Kg	10/27/25 18:32	PB170246
92-52-4	1,1-Biphenyl	3400	U	5	3400	26200	ug/Kg	10/27/25 18:32	PB170246
91-58-7	2-Chloronaphthalene	3500	U	5	3500	26200	ug/Kg	10/27/25 18:32	PB170246
88-74-4	2-Nitroaniline	7400	U	5	7400	26200	ug/Kg	10/27/25 18:32	PB170246
131-11-3	Dimethylphthalate	4200	U	5	4200	26200	ug/Kg	10/27/25 18:32	PB170246
208-96-8	Acenaphthylene	4500	U	5	4500	26200	ug/Kg	10/27/25 18:32	PB170246
606-20-2	2,6-Dinitrotoluene	5200	U	5	5200	26200	ug/Kg	10/27/25 18:32	PB170246
99-09-2	3-Nitroaniline	7100	U	5	7100	26200	ug/Kg	10/27/25 18:32	PB170246
83-32-9	Acenaphthene	3300	U	5	3300	26200	ug/Kg	10/27/25 18:32	PB170246
51-28-5	2,4-Dinitrophenol	35300	U	5	35300	50900	ug/Kg	10/27/25 18:32	PB170246
100-02-7	4-Nitrophenol	16500	U	5	16500	50900	ug/Kg	10/27/25 18:32	PB170246
132-64-9	Dibenzofuran	3500	U	5	3500	26200	ug/Kg	10/27/25 18:32	PB170246
121-14-2	2,4-Dinitrotoluene	7700	U	5	7700	26200	ug/Kg	10/27/25 18:32	PB170246
84-66-2	Diethylphthalate	4400	U	5	4400	26200	ug/Kg	10/27/25 18:32	PB170246
7005-72-3	4-Chlorophenyl-phenylether	4100	U	5	4100	26200	ug/Kg	10/27/25 18:32	PB170246
86-73-7	Fluorene	3900	U	5	3900	26200	ug/Kg	10/27/25 18:32	PB170246
100-01-6	4-Nitroaniline	9900	U	5	9900	26200	ug/Kg	10/27/25 18:32	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	15900	U	5	15900	50900	ug/Kg	10/27/25 18:32	PB170246

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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-03			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.7
Sample Wt/Vol:	1.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	5100	U	5	5100	26200	ug/Kg	10/27/25 18:32	PB170246
101-55-3	4-Bromophenyl-phenylether	4300	U	5	4300	26200	ug/Kg	10/27/25 18:32	PB170246
118-74-1	Hexachlorobenzene	3900	U	5	3900	26200	ug/Kg	10/27/25 18:32	PB170246
1912-24-9	Atrazine	5200	U	5	5200	26200	ug/Kg	10/27/25 18:32	PB170246
87-86-5	Pentachlorophenol	7900	U	5	7900	50900	ug/Kg	10/27/25 18:32	PB170246
85-01-8	Phenanthrene	3200	U	5	3200	26200	ug/Kg	10/27/25 18:32	PB170246
120-12-7	Anthracene	5100	U	5	5100	26200	ug/Kg	10/27/25 18:32	PB170246
86-74-8	Carbazole	4800	U	5	4800	26200	ug/Kg	10/27/25 18:32	PB170246
84-74-2	Di-n-butylphthalate	7400	U	5	7400	26200	ug/Kg	10/27/25 18:32	PB170246
206-44-0	Fluoranthene	13000	J	5	4600	26200	ug/Kg	10/27/25 18:32	PB170246
129-00-0	Pyrene	22500	J	5	5600	26200	ug/Kg	10/27/25 18:32	PB170246
85-68-7	Butylbenzylphthalate	11000	U	5	11000	26200	ug/Kg	10/27/25 18:32	PB170246
91-94-1	3,3-Dichlorobenzidine	5700	U	5	5700	50900	ug/Kg	10/27/25 18:32	PB170246
56-55-3	Benzo(a)anthracene	3500	U	5	3500	26200	ug/Kg	10/27/25 18:32	PB170246
218-01-9	Chrysene	3100	U	5	3100	26200	ug/Kg	10/27/25 18:32	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	9100	U	5	9100	26200	ug/Kg	10/27/25 18:32	PB170246
117-84-0	Di-n-octyl phthalate	13400	U	5	13400	50900	ug/Kg	10/27/25 18:32	PB170246
205-99-2	Benzo(b)fluoranthene	2900	U	5	2900	26200	ug/Kg	10/27/25 18:32	PB170246
207-08-9	Benzo(k)fluoranthene	3500	U	5	3500	26200	ug/Kg	10/27/25 18:32	PB170246
50-32-8	Benzo(a)pyrene	4600	U	5	4600	26200	ug/Kg	10/27/25 18:32	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	4500	U	5	4500	26200	ug/Kg	10/27/25 18:32	PB170246
53-70-3	Dibenzo(a,h)anthracene	4200	U	5	4200	26200	ug/Kg	10/27/25 18:32	PB170246
191-24-2	Benzo(g,h,i)perylene	4000	U	5	4000	26200	ug/Kg	10/27/25 18:32	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	4000	U	5	4000	26200	ug/Kg	10/27/25 18:32	PB170246
123-91-1	1,4-Dioxane	7000	U	5	7000	26200	ug/Kg	10/27/25 18:32	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	4200	U	5	4200	26200	ug/Kg	10/27/25 18:32	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	99.4			18 - 112	66%	SPK: 150		
13127-88-3	Phenol-d6	99.4			15 - 107	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.1			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	69.5			20 - 109	70%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	74.5			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	57.0			10 - 105	57%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	48600							
1146-65-2	Naphthalene-d8	182000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	174000							
1719-03-5	Chrysene-d12	145000							
1520-96-3	Perylene-d12	176000							
TENTATIVE IDENTIFIED COMPOUNDS									
000951-86-0	Benzene, 1,1-(1,2-dichloro-1,2-et	19100	J			11.5	ug/Kg		
002789-88-0	di-p-Tolylacetylene	14600	J			12.5	ug/Kg		

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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-03			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.7
Sample Wt/Vol:	1.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
002381-21-7	Pyrene, 1-methyl-	12000	J			13.3	ug/Kg		
053584-60-4	28-Nor-17.alpha.(H)-hopane	26300	J			16.7	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Quant Time: Oct 27 18:53:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

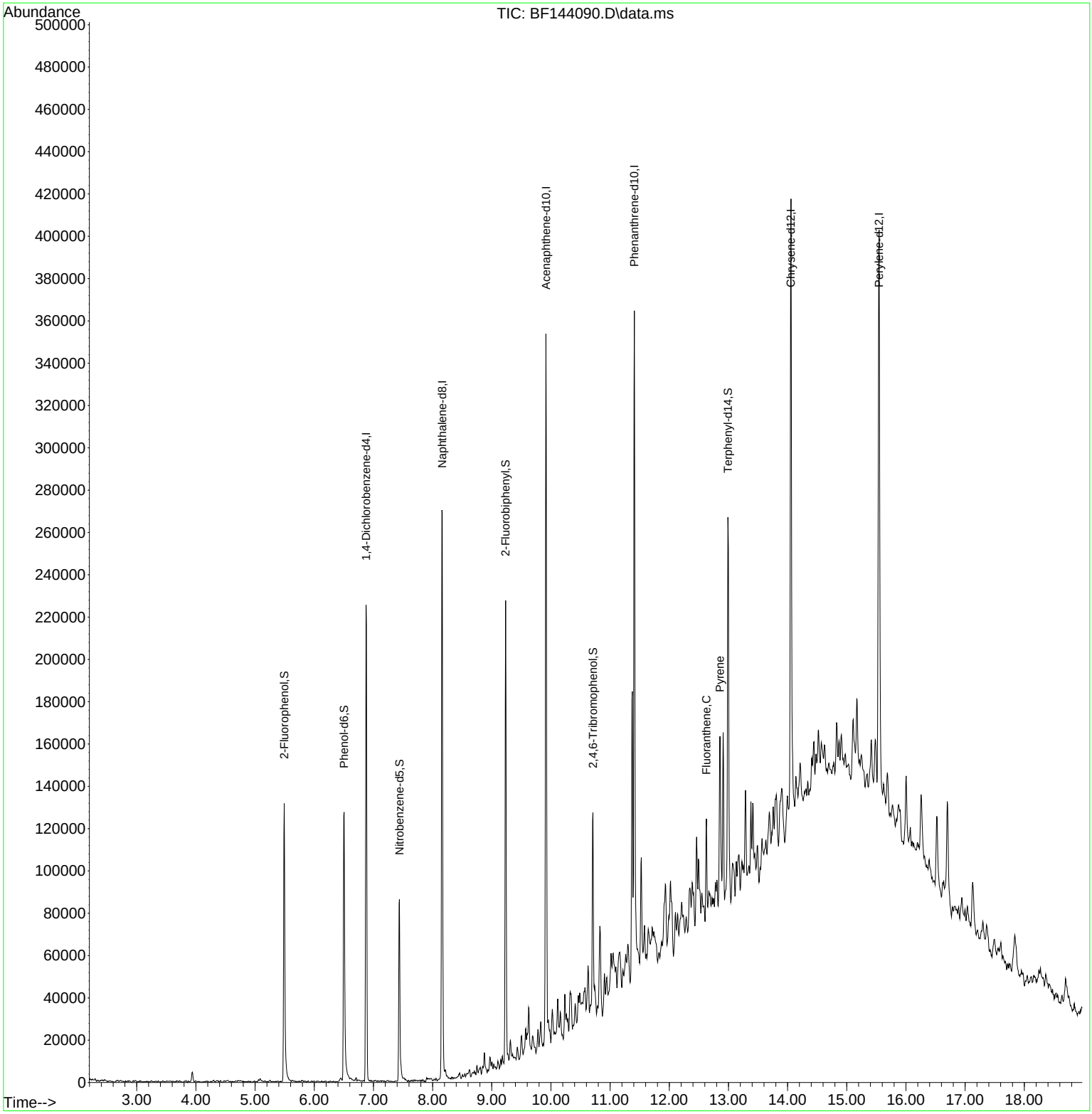
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	48570	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	181995	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	102528	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	173962	20.000	ng	0.00
76) Chrysene-d12	14.057	240	144501	20.000	ng	0.00
86) Perylene-d12	15.545	264	176316	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	61050	19.886	ng	0.00
7) Phenol-d6	6.504	99	67428	19.888	ng	0.00
23) Nitrobenzene-d5	7.440	82	40564	12.211	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19473	14.910	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	101317	13.906	ng	0.00
79) Terphenyl-d14	12.992	244	94156	11.391	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.627	202	24138	2.528	ng	96
78) Pyrene	12.857	202	45533	4.383	ng	96

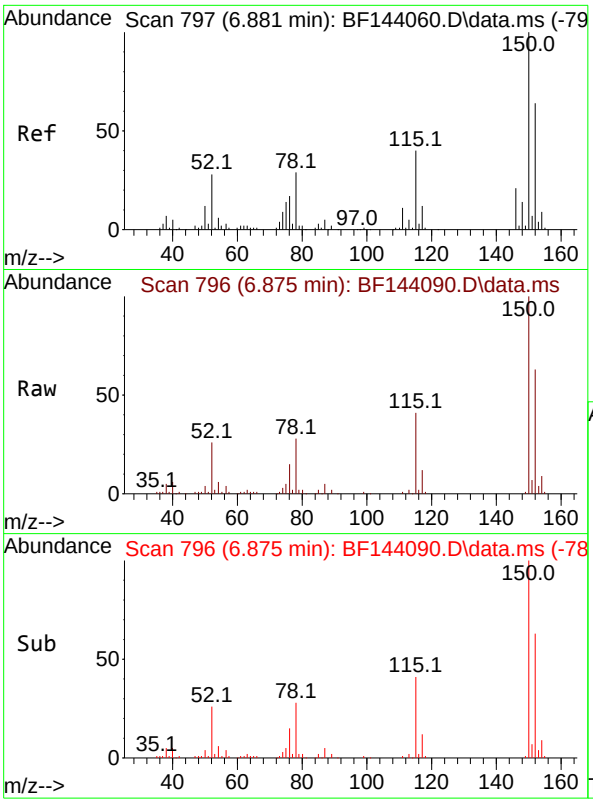
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Quant Time: Oct 27 18:53:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



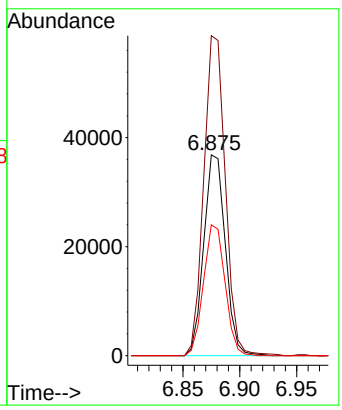


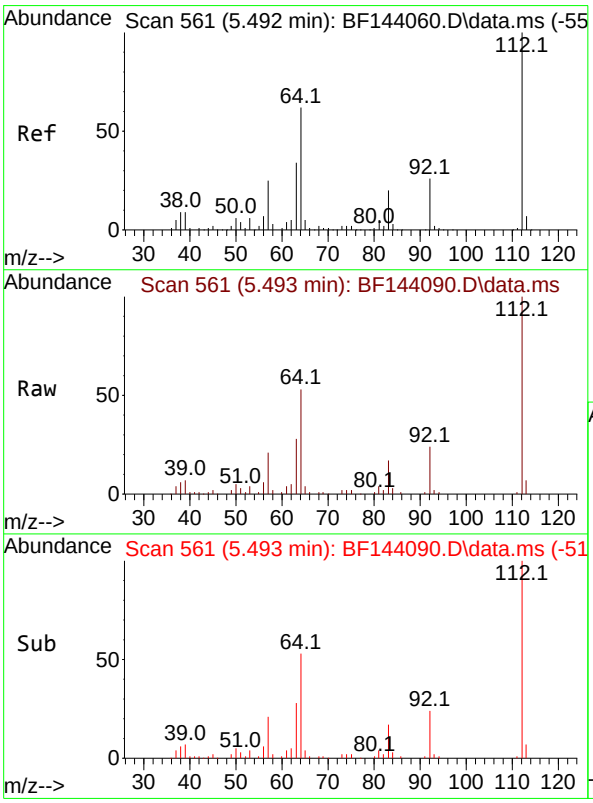
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:152 Resp: 48570

Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.4	186.6
115	65.2	49.4	74.0

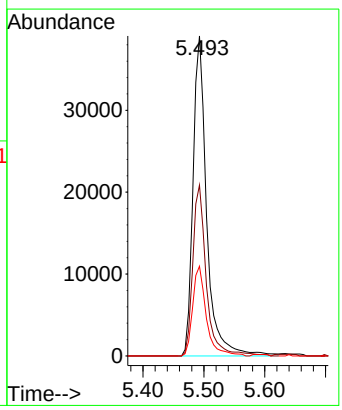


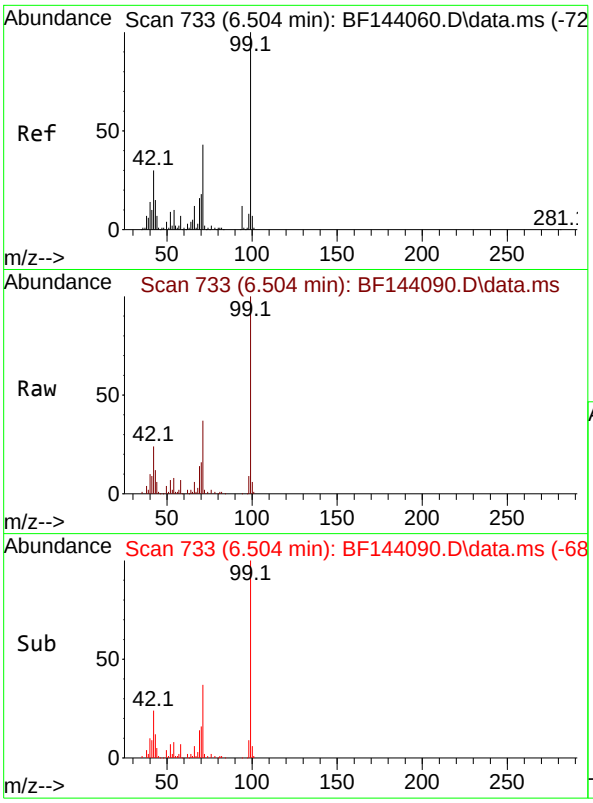


#5
2-Fluorophenol
Concen: 19.886 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:112 Resp: 61050

Ion	Ratio	Lower	Upper
112	100		
64	53.4	49.8	74.8
63	28.1	27.4	41.2



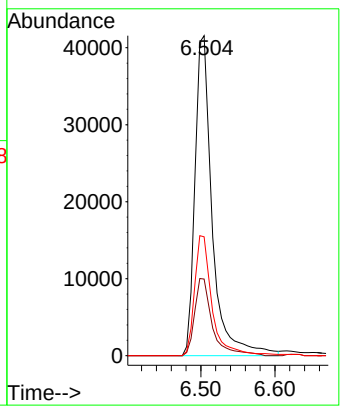


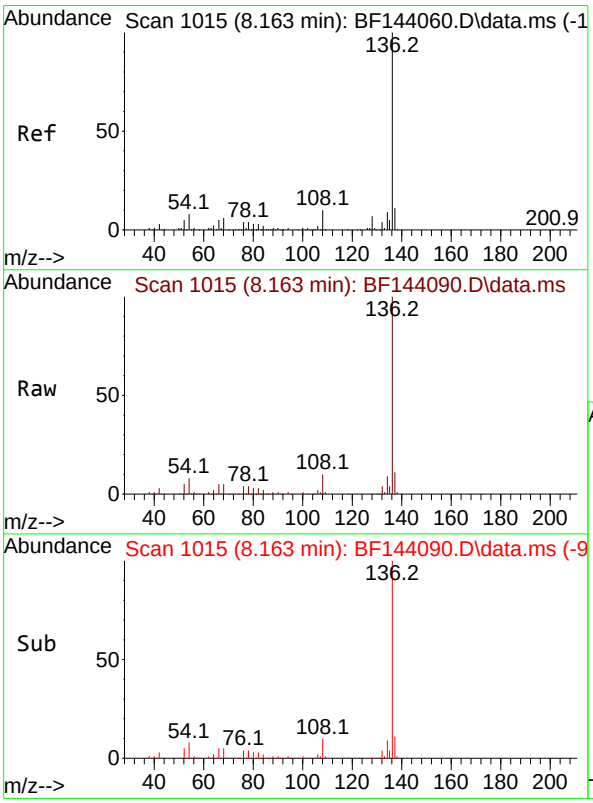
#7
Phenol-d6
Concen: 19.888 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion: 99 Resp: 67428

Ion	Ratio	Lower	Upper
99	100		
42	23.9	23.9	35.9
71	37.1	34.4	51.6

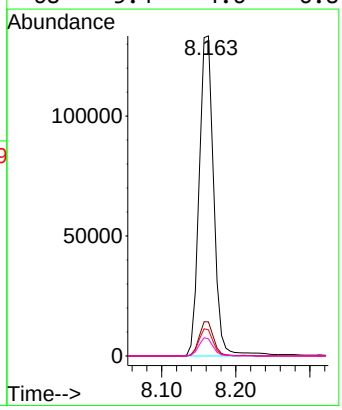


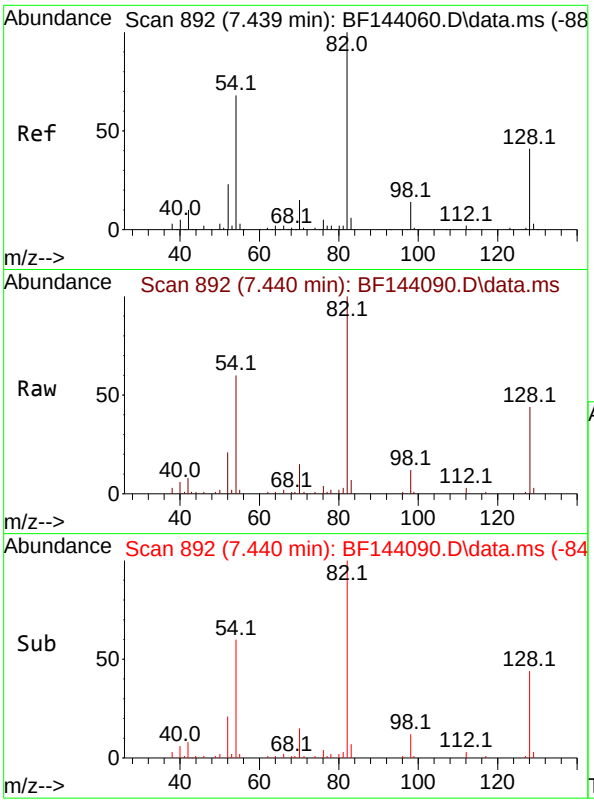


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:136 Resp: 181995

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.1	6.6	9.8
68	5.4	4.6	6.8



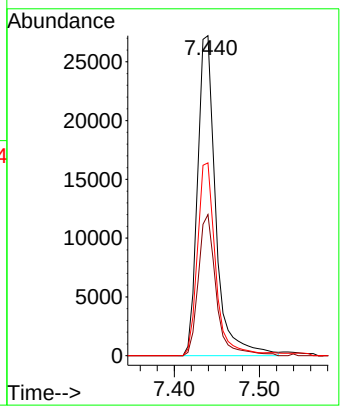


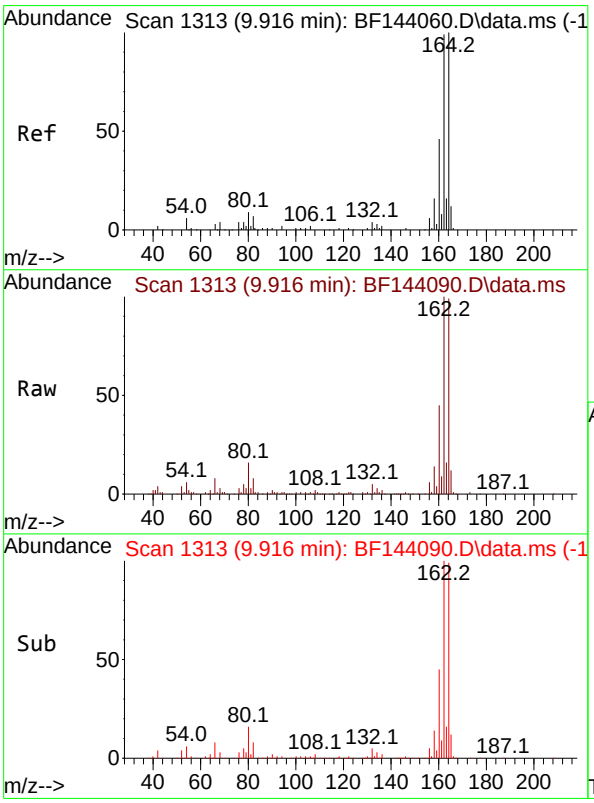
#23
Nitrobenzene-d5
Concen: 12.211 ng
RT: 7.440 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion: 82 Resp: 40564

Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.4	48.6
54	60.2	54.0	81.0

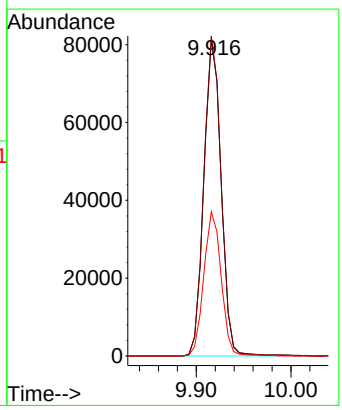


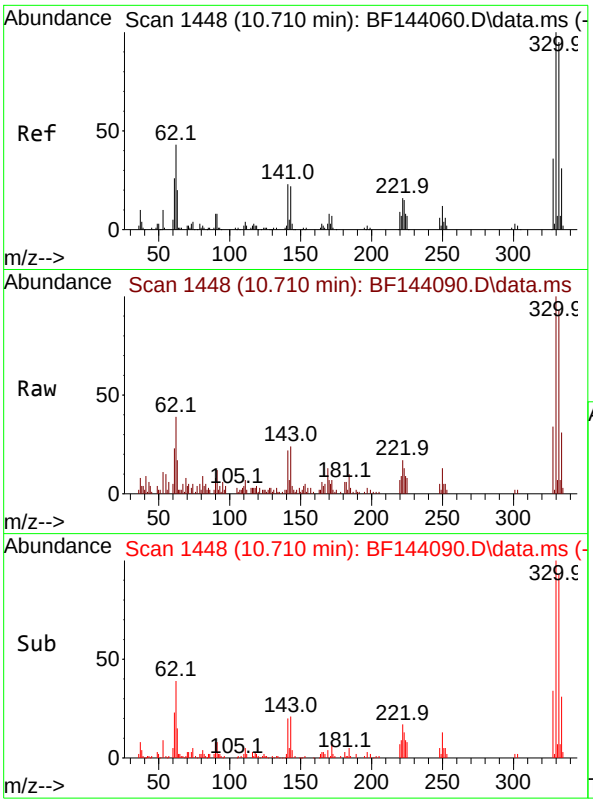


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:164 Resp: 102528

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.4	119.2
160	45.6	36.7	55.1



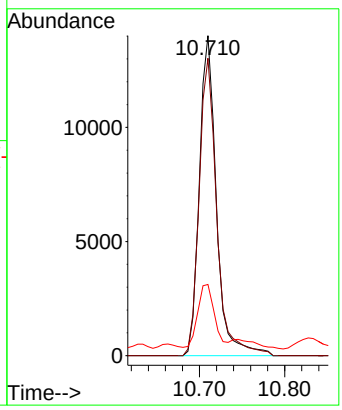


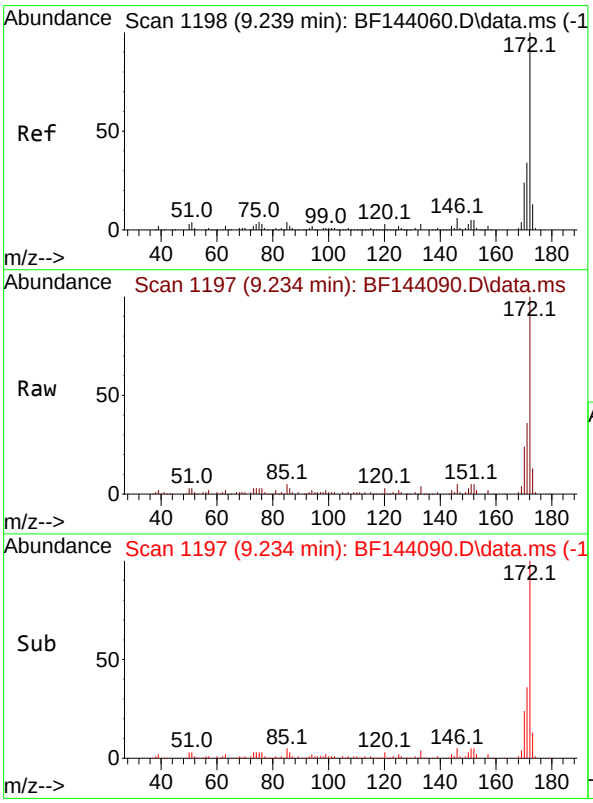
#42
2,4,6-Tribromophenol
Concen: 14.910 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:330 Resp: 19473

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	19.1	19.4	29.0#

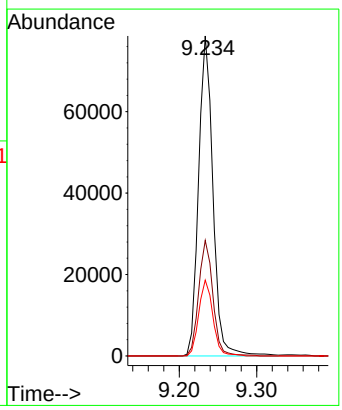


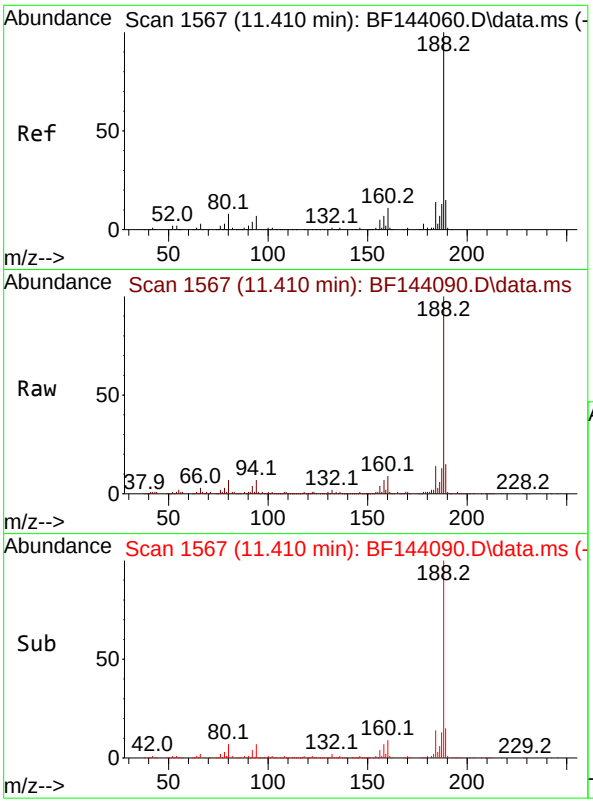


#45
2-Fluorobiphenyl
Concen: 13.906 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:172 Resp: 101317

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.5	41.3
170	23.7	19.0	28.6



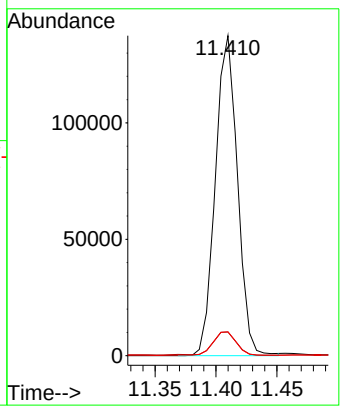


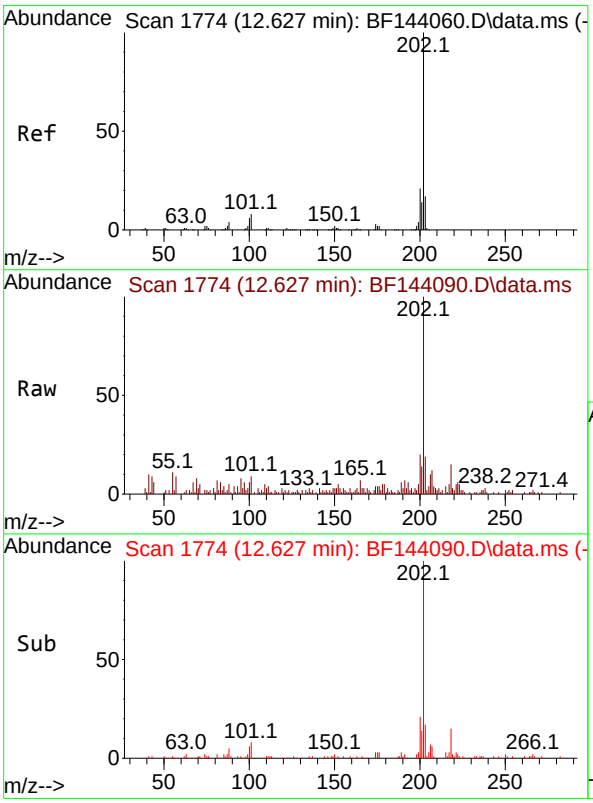
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:188 Resp: 173962

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.4	8.0
80	7.5	6.0	9.0

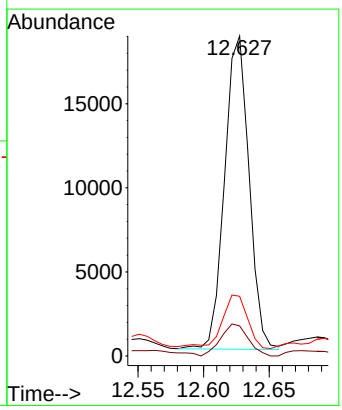


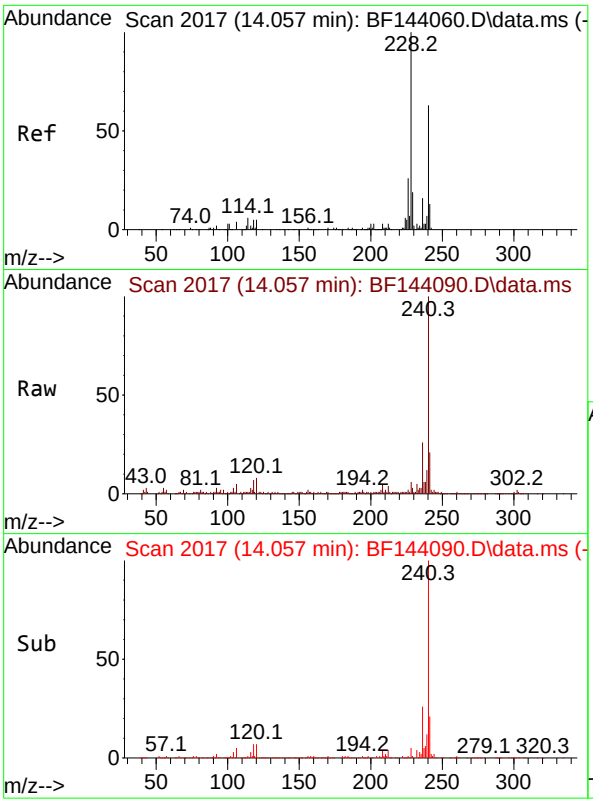


#75
Fluoranthene
Concen: 2.528 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:202 Resp: 24138

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	27.7
203	18.6	0.0	37.3



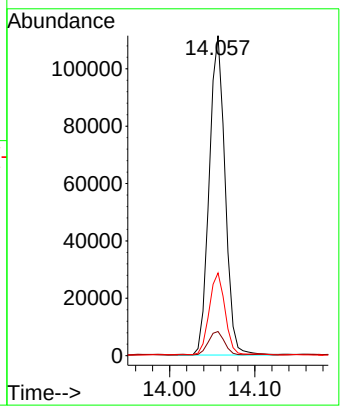


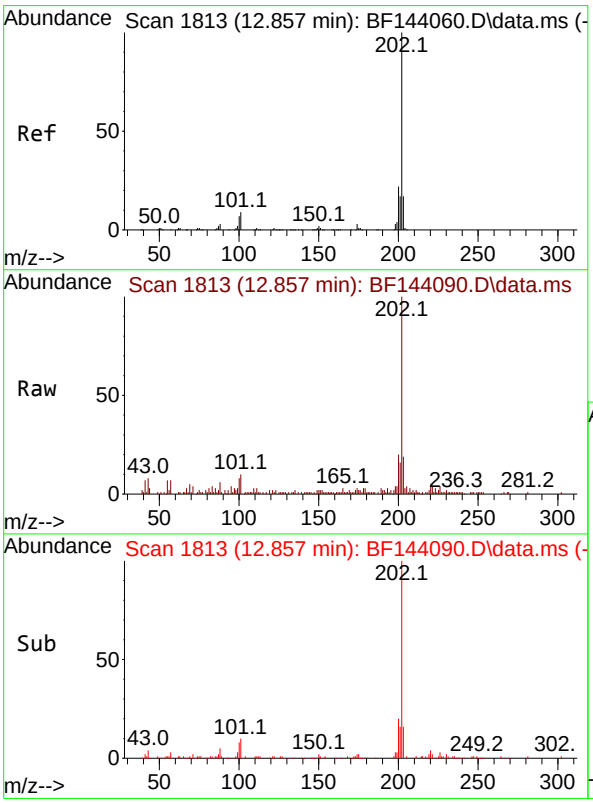
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:240 Resp: 144501

Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.5	9.7
236	25.9	20.1	30.1

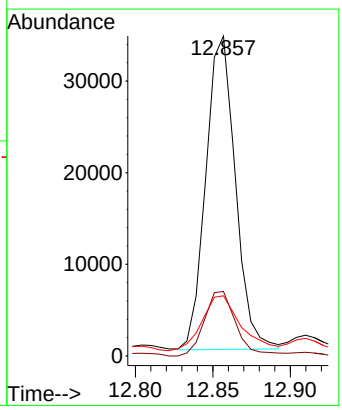


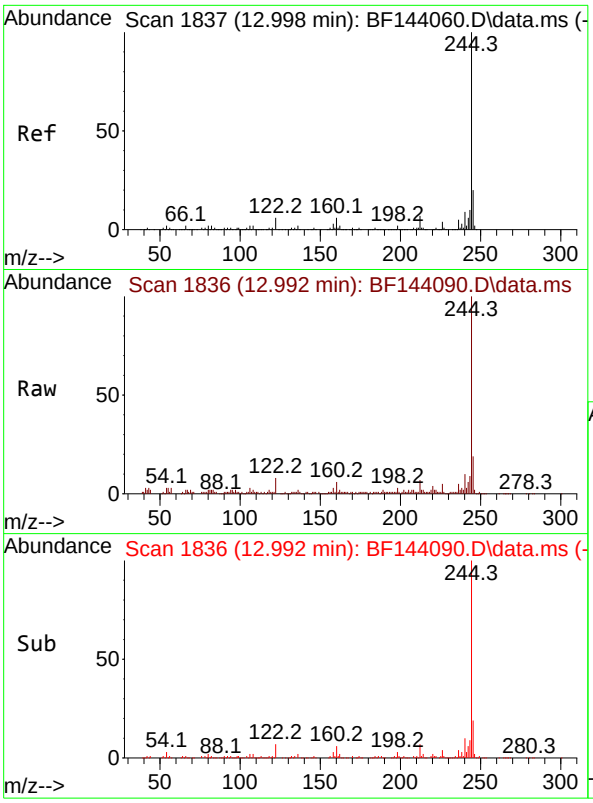


#78
Pyrene
Concen: 4.383 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:202 Resp: 45533

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.2	25.8
203	18.8	13.5	20.3



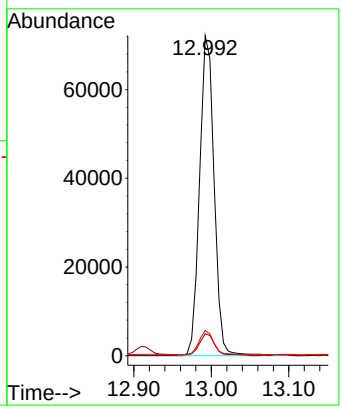


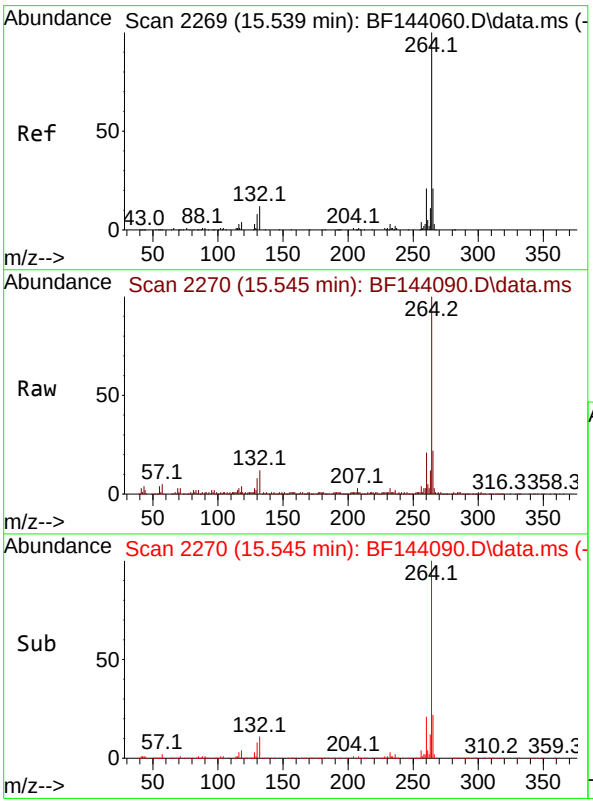
#79
Terphenyl-d14
Concen: 11.391 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:244 Resp: 94156

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	7.8	4.9	7.3#

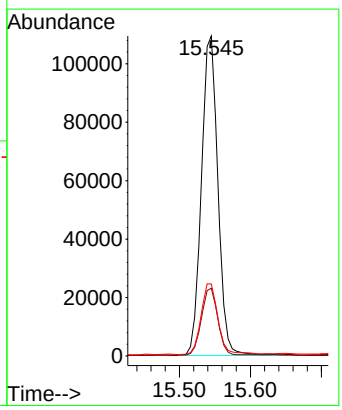




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:264 Resp: 176316

Ion	Ratio	Lower	Upper
264	100		
260	21.1	17.0	25.4
265	22.5	16.6	24.8



Sample Results: **BF144090.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

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

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

Signal : TIC: BF144090.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.940	288	297	303	rVB	4768	8516	1.84%	0.174%
2	5.493	553	561	575	rBV	131516	200180	43.36%	4.084%
3	6.504	727	733	749	rVV	126773	204791	44.36%	4.178%
4	6.875	792	796	805	rBV	225115	289237	62.66%	5.901%
5	7.440	886	892	902	rBV	85967	127019	27.52%	2.592%
6	8.157	1007	1014	1022	rBV	268936	370217	80.20%	7.554%
7	8.457	1060	1065	1069	rVB6	2648	4652	1.01%	0.095%
8	8.622	1090	1093	1097	rVB4	3404	4964	1.08%	0.101%
9	8.751	1112	1115	1118	rBV5	4350	5486	1.19%	0.112%
10	8.804	1118	1124	1127	rVB8	3330	6258	1.36%	0.128%
11	8.845	1127	1131	1133	rBV5	3801	5472	1.19%	0.112%
12	8.875	1133	1136	1144	rVB	9474	14280	3.09%	0.291%
13	8.969	1148	1152	1156	rBV4	6678	10940	2.37%	0.223%
14	9.181	1185	1188	1192	rBV5	3951	4631	1.00%	0.094%
15	9.234	1192	1197	1202	rBV	218933	275889	59.77%	5.629%
16	9.316	1207	1211	1215	rBV4	9530	13163	2.85%	0.269%
17	9.434	1227	1231	1236	rBV5	5904	8696	1.88%	0.177%
18	9.504	1238	1243	1247	rBV	10298	17444	3.78%	0.356%
19	9.575	1251	1255	1257	rVV	11709	16293	3.53%	0.332%
20	9.622	1260	1263	1271	rVV3	20140	31543	6.83%	0.644%
21	9.692	1272	1275	1280	rVV5	5770	10050	2.18%	0.205%
22	9.781	1286	1290	1293	rBV5	9665	12426	2.69%	0.254%
23	9.828	1293	1298	1303	rBV5	11959	18710	4.05%	0.382%
24	9.916	1307	1313	1318	rBV	335392	434702	94.17%	8.869%
25	10.022	1327	1331	1336	rBV2	15960	28441	6.16%	0.580%
26	10.116	1343	1347	1351	rBV2	15468	20646	4.47%	0.421%
27	10.157	1352	1354	1363	rVB4	12807	19950	4.32%	0.407%
28	10.233	1363	1367	1370	rBV	21203	29206	6.33%	0.596%
29	10.328	1378	1383	1389	rBV6	18710	40940	8.87%	0.835%
30	10.410	1394	1397	1401	rVB4	9306	11487	2.49%	0.234%
31	10.463	1403	1406	1408	rBV2	11457	15134	3.28%	0.309%
32	10.628	1432	1434	1438	rVB	22260	24584	5.33%	0.502%
33	10.710	1443	1448	1452	rBV	90926	121987	26.43%	2.489%
34	10.828	1463	1468	1475	rVB4	42656	78004	16.90%	1.592%
35	10.904	1478	1481	1484	rBV	14937	19468	4.22%	0.397%
36	11.375	1556	1561	1563	rBV	136464	177555	38.46%	3.623%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

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

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

37	11.410	1563	1567	1575	rVB	305764	410109	88.84%	8.367%
38	11.528	1582	1587	1592	rBV	49857	76240	16.52%	1.556%
39	12.463	1742	1746	1749	rBV	39762	57997	12.56%	1.183%
40	12.627	1770	1774	1778	rBV2	48632	65631	14.22%	1.339%
41	12.857	1809	1813	1818	rBV	75077	119788	25.95%	2.444%
42	12.910	1819	1822	1826	rVB	79226	96124	20.82%	1.961%
43	12.992	1832	1836	1844	rVB	182059	266427	57.72%	5.436%
44	13.286	1883	1886	1891	rVB	40277	49500	10.72%	1.010%
45	13.380	1899	1902	1905	rBV	33727	39999	8.66%	0.816%
46	13.410	1905	1907	1911	rVB	26914	32118	6.96%	0.655%
47	14.057	2012	2017	2027	rVB	287182	424486	91.96%	8.661%
48	15.545	2265	2270	2280	rVB	266694	461620	100.00%	9.418%
49	16.698	2463	2466	2478	rVB3	54610	118248	25.62%	2.413%

Sum of corrected areas: 4901248

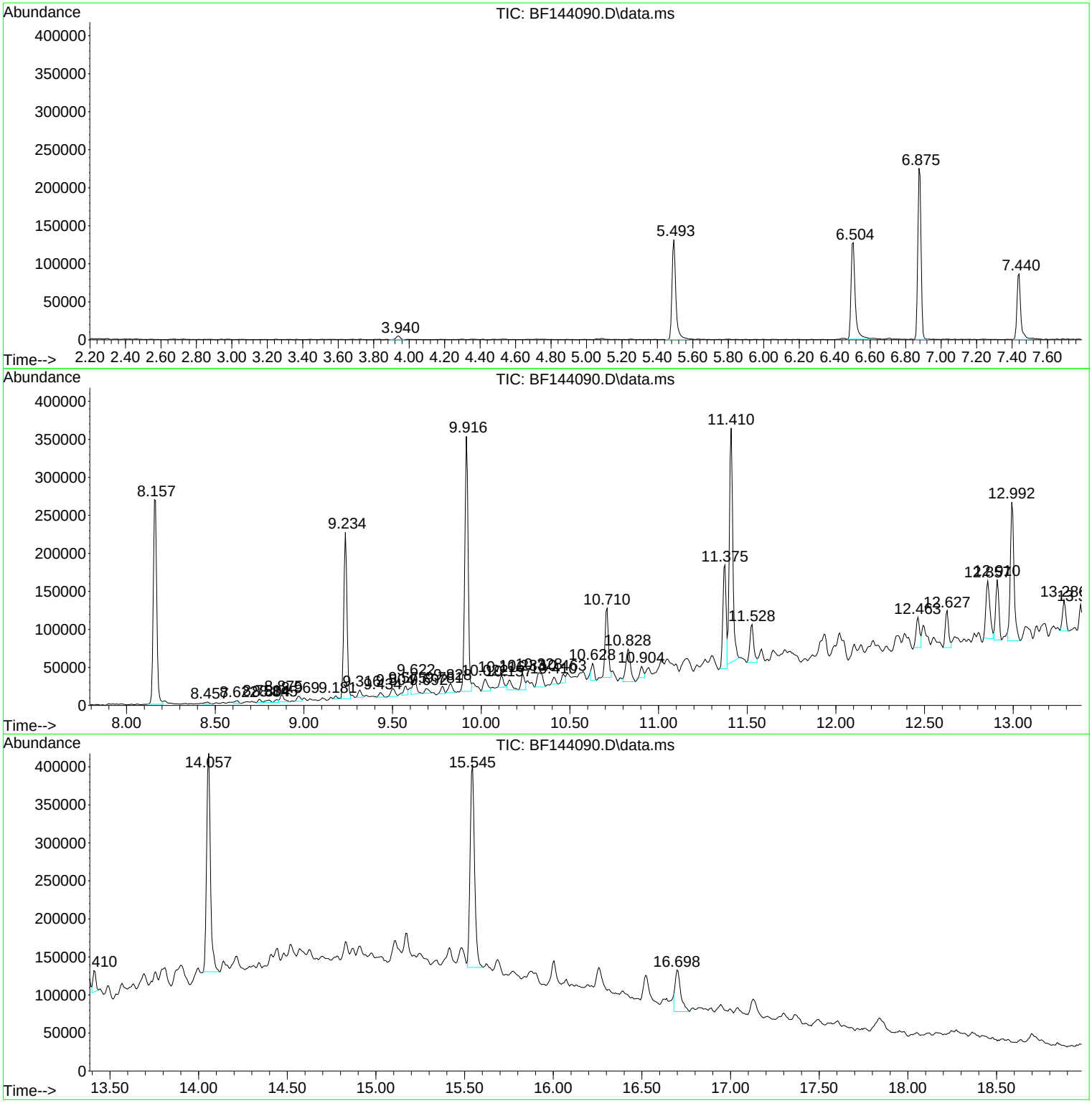
Sample Results: **BF144090.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

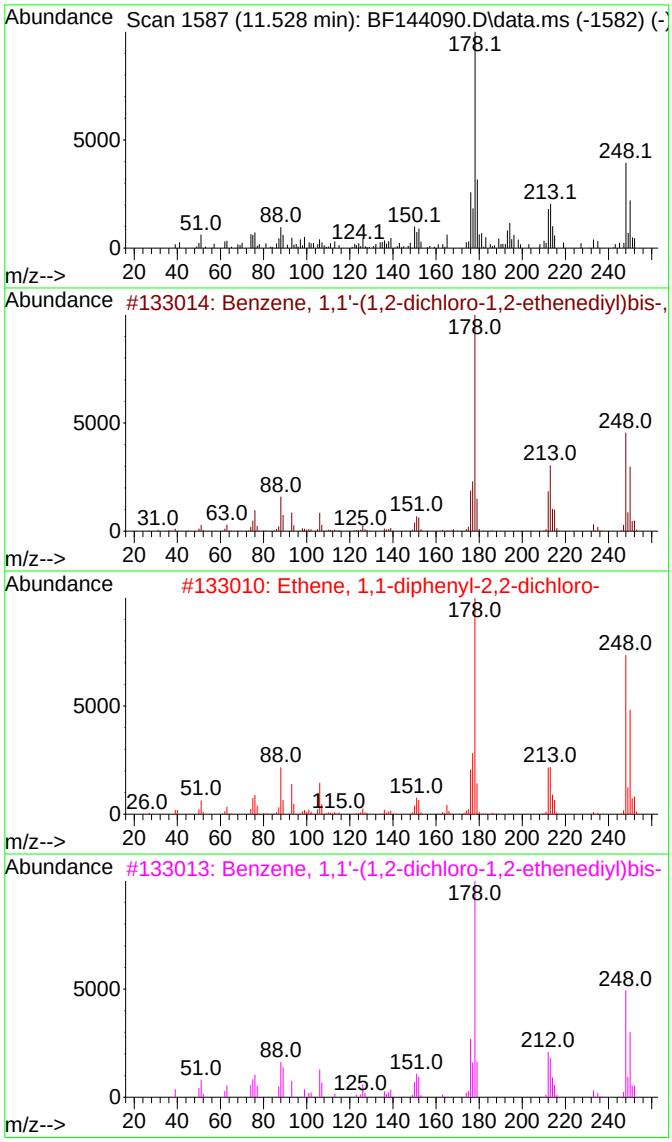
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

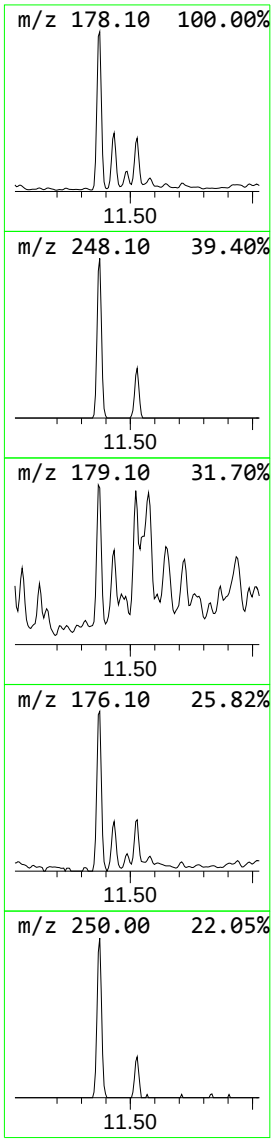
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1,1'-(1,2-dichloro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.528	3.72 ng	76240	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-dichloro-1,2-...	248	C14H10Cl2	000951-86-0	96
2	Ethene, 1,1-diphenyl-2,2-dichloro-	248	C14H10Cl2	002779-69-3	93
3	Benzene, 1,1'-(1,2-dichloro-1,2-...	248	C14H10Cl2	013700-82-8	93
4	Benzene, 1,1'-ethenylidenebis[4-...	248	C14H10Cl2	002642-81-1	93
5	Benzene, 1,1'-(1,2-dichloro-1,2-...	248	C14H10Cl2	005216-32-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

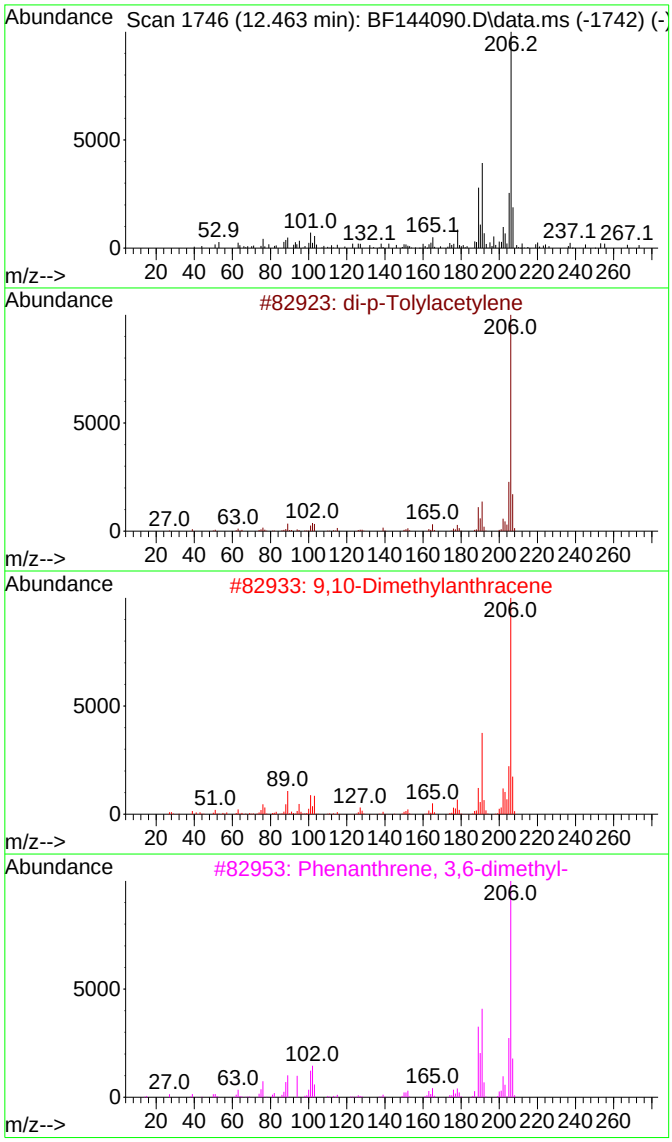
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

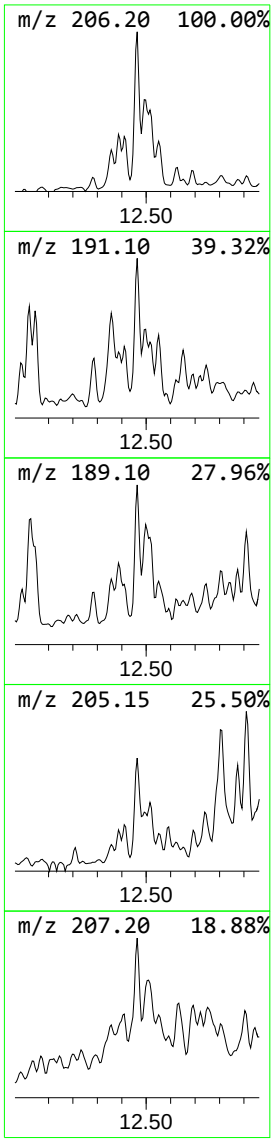
****

Peak Number 3 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.83 ng	57997	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

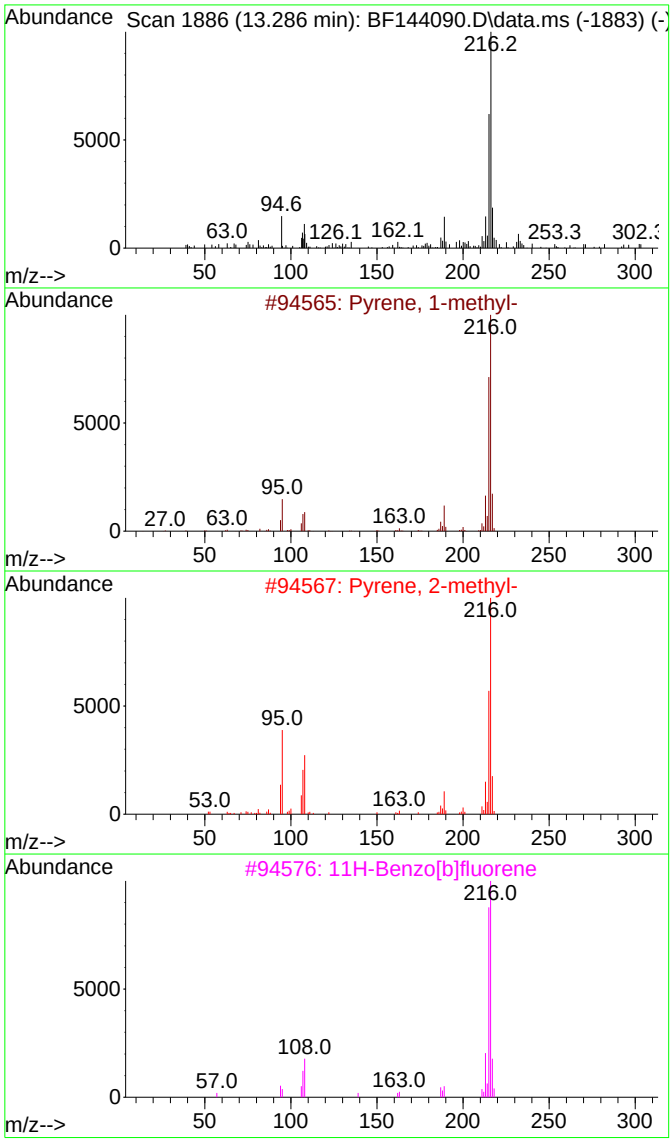
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

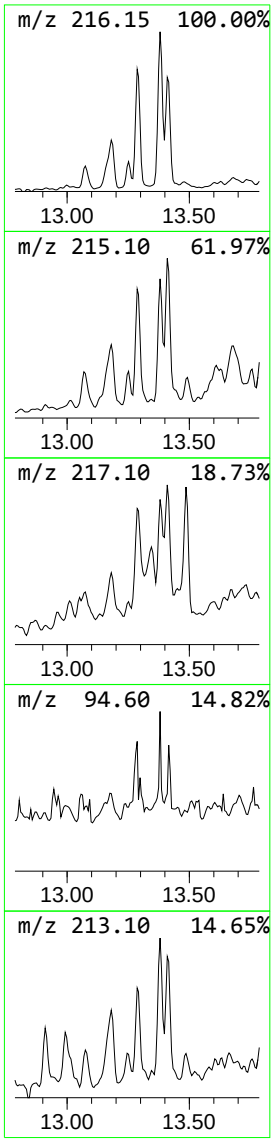
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	2.33 ng	49500	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

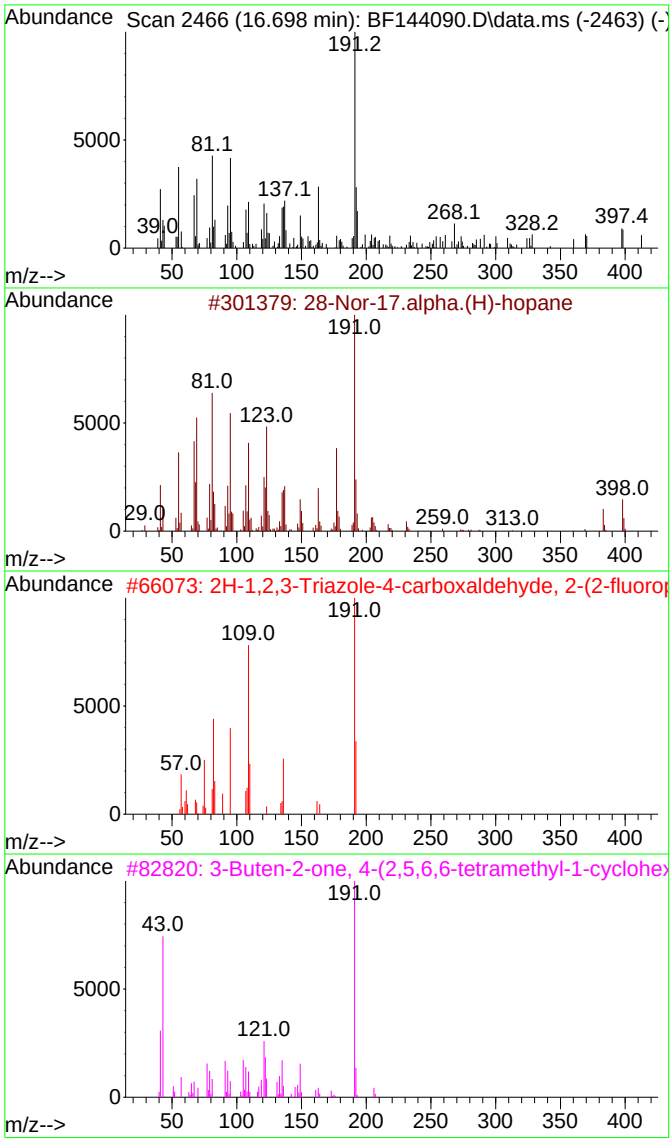
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

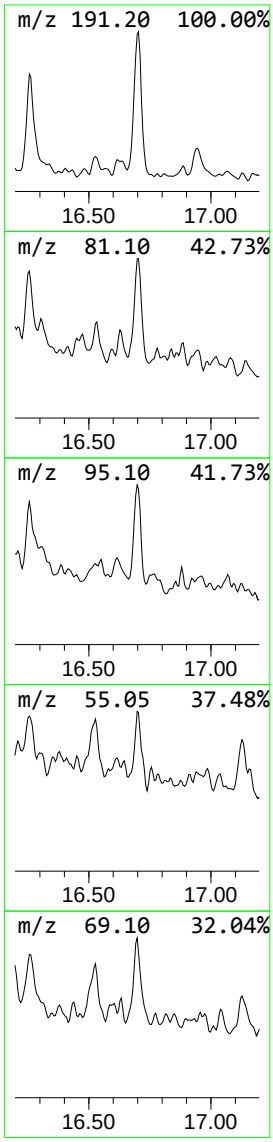
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 28-Nor-17.alpha.(H)-hopane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.698	5.12 ng	118248	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	89
2	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	50
3	3-Buten-2-one, 4-(2,5,6,6-tetram...	206	C14H22O	000079-70-9	38
4	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144090.D
Acq On : 27 Oct 2025 18:32
Operator : RC/JU
Sample : Q3447-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,1'-(...	11.528	3.7	ng	76240	4	11.410	410109	20.0
di-p-Tolylacety...	12.463	2.8	ng	57997	4	11.410	410109	20.0
Pyrene, 1-methyl-	13.286	2.3	ng	49500	5	14.057	424486	20.0
28-Nor-17.alpha...	16.698	5.1	ng	118248	6	15.545	461620	20.0

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW3-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-05			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	97.8
Sample Wt/Vol:	1.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	23000	U	5	23000	48700	ug/Kg	10/27/25 19:02	PB170246
108-95-2	Phenol	3300	U	5	3300	25100	ug/Kg	10/27/25 19:02	PB170246
111-44-4	bis(2-Chloroethyl)ether	3600	U	5	3600	25100	ug/Kg	10/27/25 19:02	PB170246
95-57-8	2-Chlorophenol	3600	U	5	3600	25100	ug/Kg	10/27/25 19:02	PB170246
95-48-7	2-Methylphenol	4400	U	5	4400	25100	ug/Kg	10/27/25 19:02	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	5500	U	5	5500	25100	ug/Kg	10/27/25 19:02	PB170246
98-86-2	Acetophenone	4400	U	5	4400	25100	ug/Kg	10/27/25 19:02	PB170246
65794-96-9	3+4-Methylphenols	6100	U	5	6100	48700	ug/Kg	10/27/25 19:02	PB170246
621-64-7	n-Nitroso-di-n-propylamine	7000	U	5	7000	11800	ug/Kg	10/27/25 19:02	PB170246
67-72-1	Hexachloroethane	2600	UQ	5	2600	25100	ug/Kg	10/27/25 19:02	PB170246
98-95-3	Nitrobenzene	2700	U	5	2700	25100	ug/Kg	10/27/25 19:02	PB170246
78-59-1	Isophorone	4800	U	5	4800	25100	ug/Kg	10/27/25 19:02	PB170246
88-75-5	2-Nitrophenol	8600	U	5	8600	25100	ug/Kg	10/27/25 19:02	PB170246
105-67-9	2,4-Dimethylphenol	9600	U	5	9600	25100	ug/Kg	10/27/25 19:02	PB170246
111-91-1	bis(2-Chloroethoxy)methane	4500	U	5	4500	25100	ug/Kg	10/27/25 19:02	PB170246
120-83-2	2,4-Dichlorophenol	4200	U	5	4200	25100	ug/Kg	10/27/25 19:02	PB170246
91-20-3	Naphthalene	3300	U	5	3300	25100	ug/Kg	10/27/25 19:02	PB170246
106-47-8	4-Chloroaniline	5200	U	5	5200	25100	ug/Kg	10/27/25 19:02	PB170246
87-68-3	Hexachlorobutadiene	3700	U	5	3700	25100	ug/Kg	10/27/25 19:02	PB170246
105-60-2	Caprolactam	7700	U	5	7700	48700	ug/Kg	10/27/25 19:02	PB170246
59-50-7	4-Chloro-3-methylphenol	4200	U	5	4200	25100	ug/Kg	10/27/25 19:02	PB170246
91-57-6	2-Methylnaphthalene	3800	U	5	3800	25100	ug/Kg	10/27/25 19:02	PB170246
77-47-4	Hexachlorocyclopentadiene	17100	U	5	17100	48700	ug/Kg	10/27/25 19:02	PB170246
88-06-2	2,4,6-Trichlorophenol	2900	U	5	2900	25100	ug/Kg	10/27/25 19:02	PB170246
95-95-4	2,4,5-Trichlorophenol	4300	U	5	4300	25100	ug/Kg	10/27/25 19:02	PB170246
92-52-4	1,1-Biphenyl	3200	U	5	3200	25100	ug/Kg	10/27/25 19:02	PB170246
91-58-7	2-Chloronaphthalene	3300	U	5	3300	25100	ug/Kg	10/27/25 19:02	PB170246
88-74-4	2-Nitroaniline	7100	U	5	7100	25100	ug/Kg	10/27/25 19:02	PB170246
131-11-3	Dimethylphthalate	4000	U	5	4000	25100	ug/Kg	10/27/25 19:02	PB170246
208-96-8	Acenaphthylene	4300	U	5	4300	25100	ug/Kg	10/27/25 19:02	PB170246
606-20-2	2,6-Dinitrotoluene	5000	U	5	5000	25100	ug/Kg	10/27/25 19:02	PB170246
99-09-2	3-Nitroaniline	6800	U	5	6800	25100	ug/Kg	10/27/25 19:02	PB170246
83-32-9	Acenaphthene	3100	U	5	3100	25100	ug/Kg	10/27/25 19:02	PB170246
51-28-5	2,4-Dinitrophenol	33800	U	5	33800	48700	ug/Kg	10/27/25 19:02	PB170246
100-02-7	4-Nitrophenol	15800	U	5	15800	48700	ug/Kg	10/27/25 19:02	PB170246
132-64-9	Dibenzofuran	3300	U	5	3300	25100	ug/Kg	10/27/25 19:02	PB170246
121-14-2	2,4-Dinitrotoluene	7400	U	5	7400	25100	ug/Kg	10/27/25 19:02	PB170246
84-66-2	Diethylphthalate	4200	U	5	4200	25100	ug/Kg	10/27/25 19:02	PB170246
7005-72-3	4-Chlorophenyl-phenylether	3900	U	5	3900	25100	ug/Kg	10/27/25 19:02	PB170246
86-73-7	Fluorene	3700	U	5	3700	25100	ug/Kg	10/27/25 19:02	PB170246
100-01-6	4-Nitroaniline	9500	U	5	9500	25100	ug/Kg	10/27/25 19:02	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	15200	U	5	15200	48700	ug/Kg	10/27/25 19:02	PB170246

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW3-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-05			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	97.8
Sample Wt/Vol:	1.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4900	U	5	4900	25100	ug/Kg	10/27/25 19:02	PB170246
101-55-3	4-Bromophenyl-phenylether	4100	U	5	4100	25100	ug/Kg	10/27/25 19:02	PB170246
118-74-1	Hexachlorobenzene	3700	U	5	3700	25100	ug/Kg	10/27/25 19:02	PB170246
1912-24-9	Atrazine	5000	U	5	5000	25100	ug/Kg	10/27/25 19:02	PB170246
87-86-5	Pentachlorophenol	7600	U	5	7600	48700	ug/Kg	10/27/25 19:02	PB170246
85-01-8	Phenanthrene	3100	U	5	3100	25100	ug/Kg	10/27/25 19:02	PB170246
120-12-7	Anthracene	4900	U	5	4900	25100	ug/Kg	10/27/25 19:02	PB170246
86-74-8	Carbazole	4600	U	5	4600	25100	ug/Kg	10/27/25 19:02	PB170246
84-74-2	Di-n-butylphthalate	7100	U	5	7100	25100	ug/Kg	10/27/25 19:02	PB170246
206-44-0	Fluoranthene	4400	U	5	4400	25100	ug/Kg	10/27/25 19:02	PB170246
129-00-0	Pyrene	5300	U	5	5300	25100	ug/Kg	10/27/25 19:02	PB170246
85-68-7	Butylbenzylphthalate	10500	U	5	10500	25100	ug/Kg	10/27/25 19:02	PB170246
91-94-1	3,3-Dichlorobenzidine	5400	U	5	5400	48700	ug/Kg	10/27/25 19:02	PB170246
56-55-3	Benzo(a)anthracene	3400	U	5	3400	25100	ug/Kg	10/27/25 19:02	PB170246
218-01-9	Chrysene	2900	U	5	2900	25100	ug/Kg	10/27/25 19:02	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	8700	U	5	8700	25100	ug/Kg	10/27/25 19:02	PB170246
117-84-0	Di-n-octyl phthalate	12800	U	5	12800	48700	ug/Kg	10/27/25 19:02	PB170246
205-99-2	Benzo(b)fluoranthene	2800	U	5	2800	25100	ug/Kg	10/27/25 19:02	PB170246
207-08-9	Benzo(k)fluoranthene	3300	U	5	3300	25100	ug/Kg	10/27/25 19:02	PB170246
50-32-8	Benzo(a)pyrene	4400	U	5	4400	25100	ug/Kg	10/27/25 19:02	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	4300	U	5	4300	25100	ug/Kg	10/27/25 19:02	PB170246
53-70-3	Dibenzo(a,h)anthracene	4000	U	5	4000	25100	ug/Kg	10/27/25 19:02	PB170246
191-24-2	Benzo(g,h,i)perylene	3800	U	5	3800	25100	ug/Kg	10/27/25 19:02	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	3800	U	5	3800	25100	ug/Kg	10/27/25 19:02	PB170246
123-91-1	1,4-Dioxane	6700	U	5	6700	25100	ug/Kg	10/27/25 19:02	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	4000	U	5	4000	25100	ug/Kg	10/27/25 19:02	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	109			18 - 112	72%	SPK: 150		
13127-88-3	Phenol-d6	110			15 - 107	73%	SPK: 150		
4165-60-0	Nitrobenzene-d5	68.4			18 - 107	68%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.2			20 - 109	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	93.4			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	66.8			10 - 105	67%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	50500							
1146-65-2	Naphthalene-d8	184000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	179000							
1719-03-5	Chrysene-d12	141000							
1520-96-3	Perylene-d12	181000							
TENTATIVE IDENTIFIED COMPOUNDS									
000832-69-9	Phenanthrene, 1-methyl-	40100	J			12.0	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	168000	J			12.4	ug/Kg		

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW3-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-05			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	97.8
Sample Wt/Vol:	1.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	85700	J			12.4	ug/Kg		
001576-67-6	Phenanthrene, 3,6-dimethyl-	76300	J			12.5	ug/Kg		
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	111000	J			12.7	ug/Kg		
000483-65-8	Retene	155000	J			13.1	ug/Kg		
001235-74-1	Methyl dehydroabietate	21300	J			13.5	ug/Kg		
005835-26-7	Isopimaric acid	15200	J			13.8	ug/Kg		
001740-19-8	Dehydroabietic acid	100000	J			13.9	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Quant Time: Oct 28 10:41:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

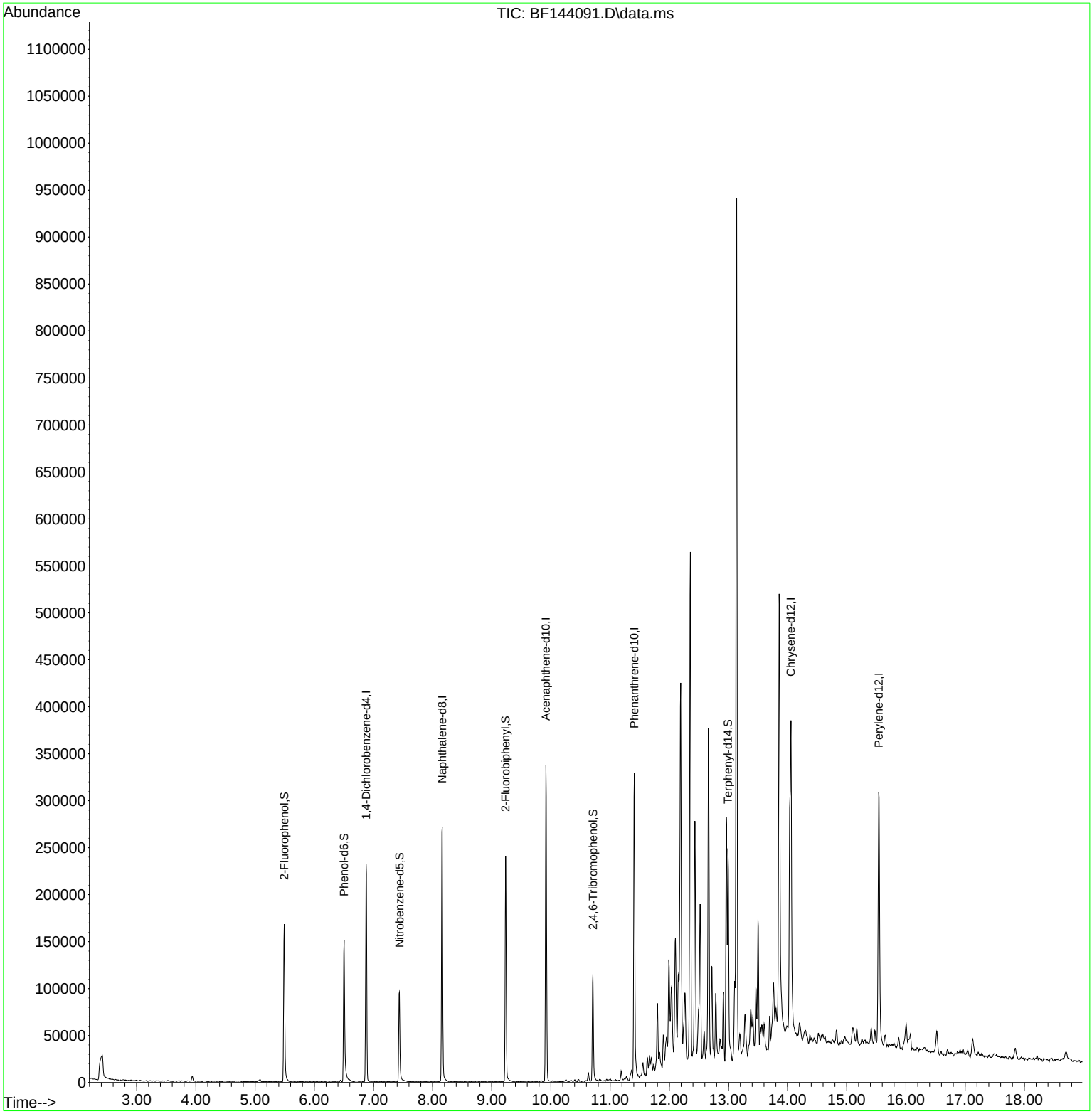
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50493	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	184379	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	107099	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	179369	20.000	ng	0.00
76) Chrysene-d12	14.057	240	140893	20.000	ng	0.00
86) Perylene-d12	15.539	264	181449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	69325	21.722	ng	0.00
7) Phenol-d6	6.504	99	77433	21.969	ng	0.00
23) Nitrobenzene-d5	7.439	82	46022	13.675	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25482	18.679	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	117513	15.441	ng	0.00
79) Terphenyl-d14	12.992	244	107744	13.369	ng	0.00
Target Compounds						Qvalue

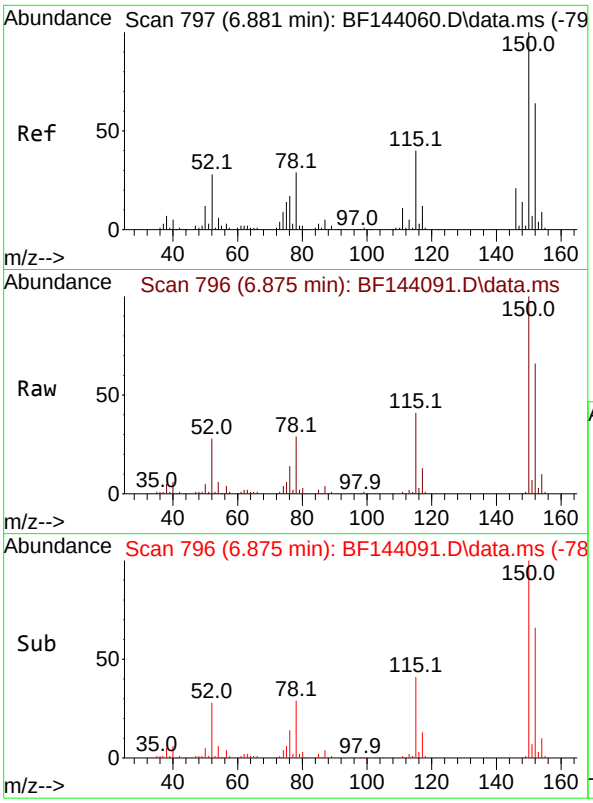
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Quant Time: Oct 28 10:41:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



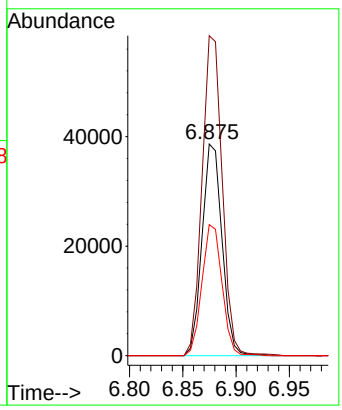


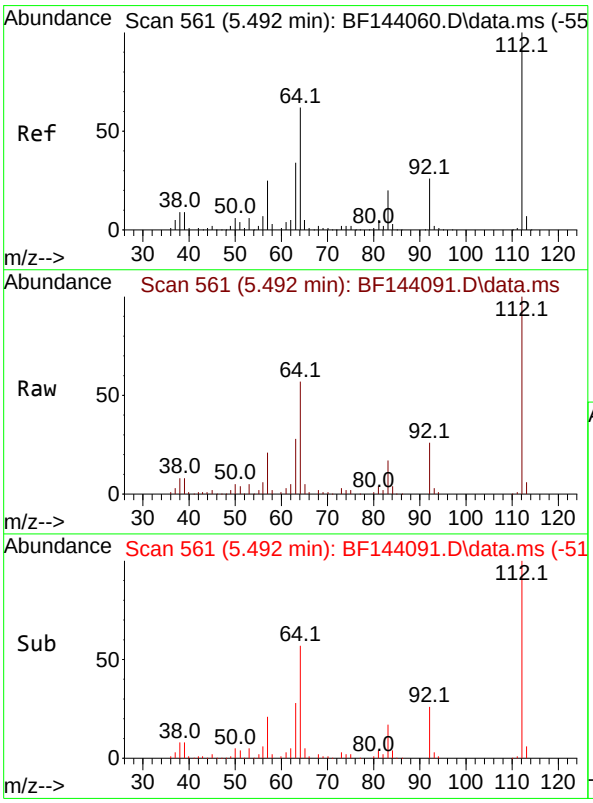
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:152 Resp: 50493

Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.4	186.6
115	61.9	49.4	74.0

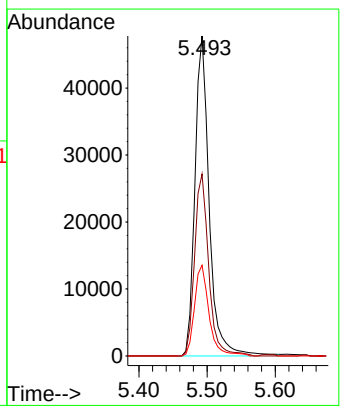


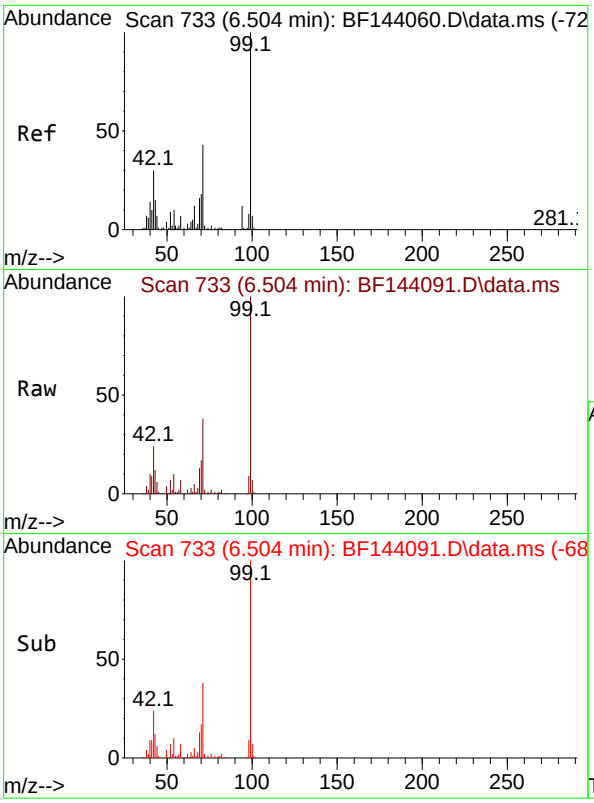


#5
2-Fluorophenol
Concen: 21.722 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:112 Resp: 69325

Ion	Ratio	Lower	Upper
112	100		
64	56.8	49.8	74.8
63	28.4	27.4	41.2



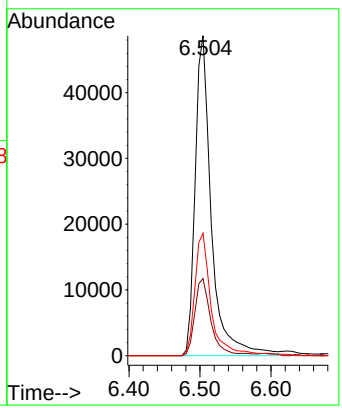


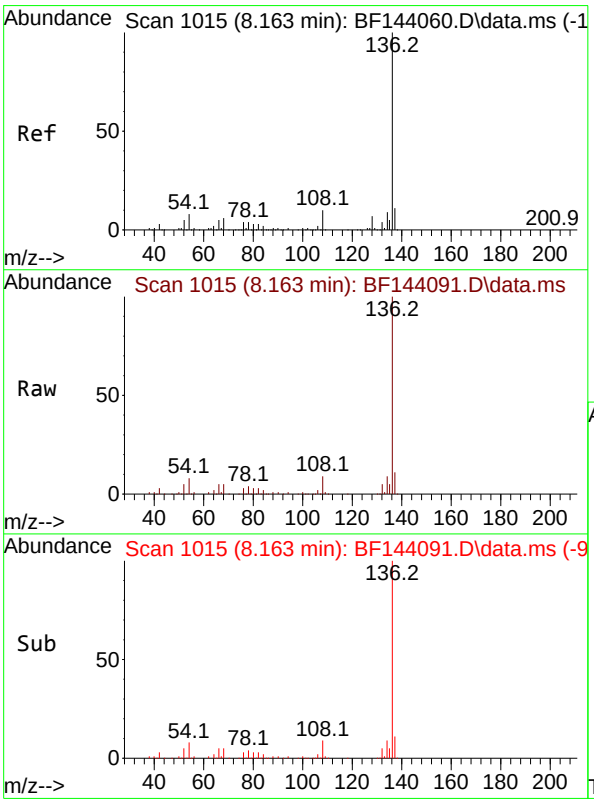
#7
Phenol-d6
Concen: 21.969 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion: 99 Resp: 77433

Ion	Ratio	Lower	Upper
99	100		
42	24.1	23.9	35.9
71	38.3	34.4	51.6

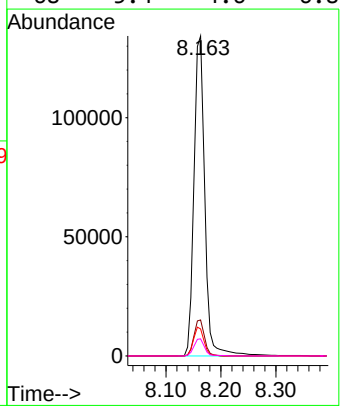


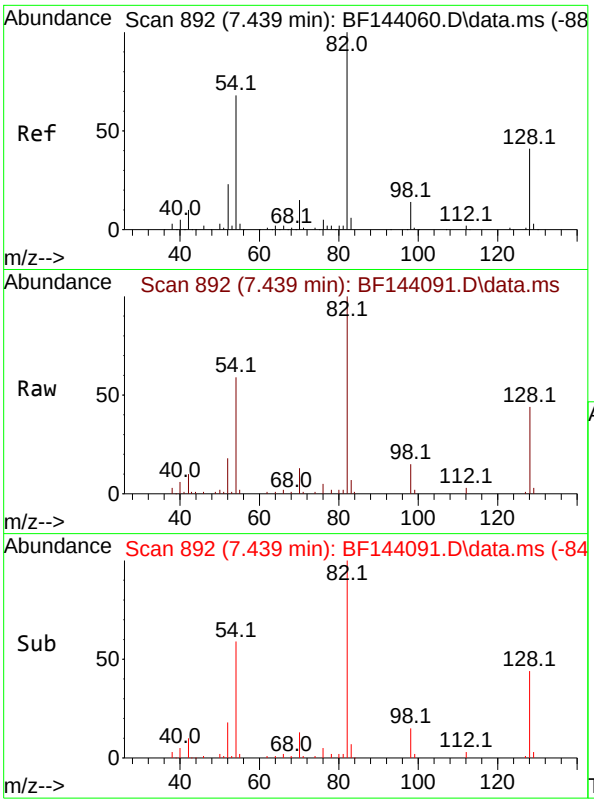


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:136 Resp: 184379

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.5	6.6	9.8
68	5.4	4.6	6.8



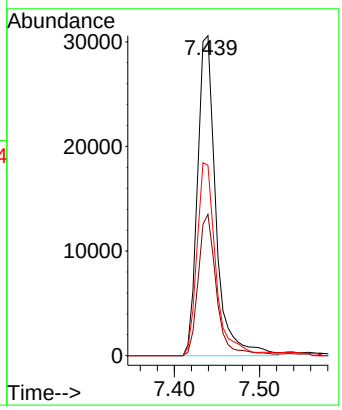


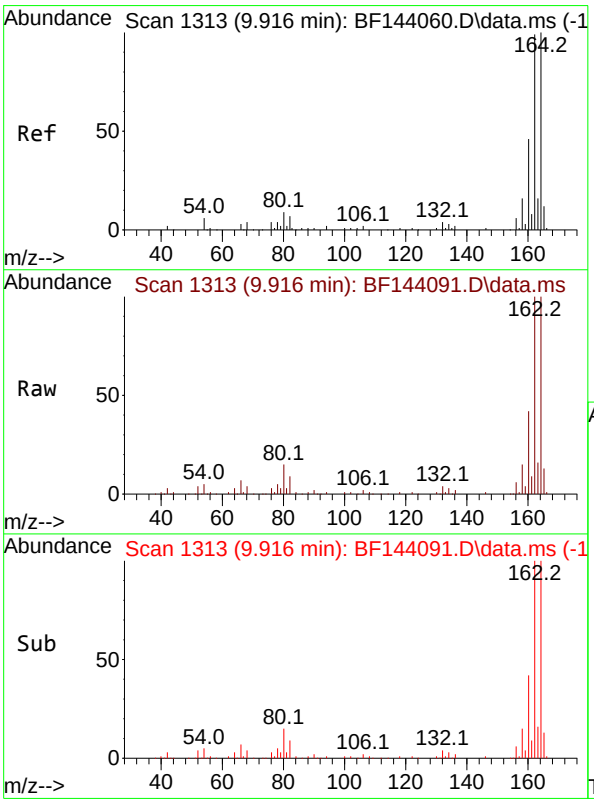
#23
Nitrobenzene-d5
Concen: 13.675 ng
RT: 7.439 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion: 82 Resp: 46022

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.4	48.6
54	59.5	54.0	81.0

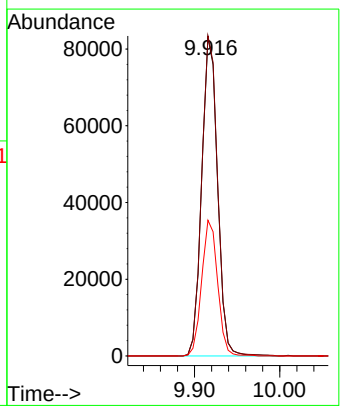


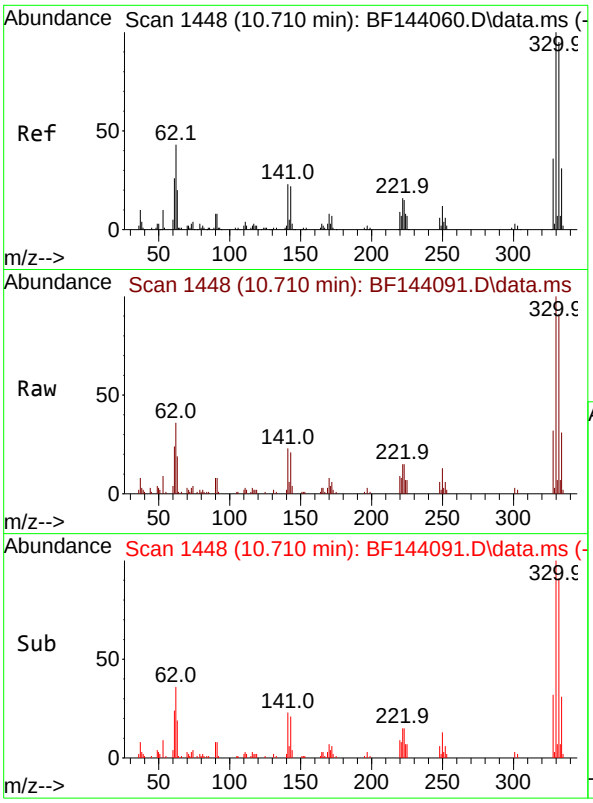


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:164 Resp: 107099

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	42.6	36.7	55.1



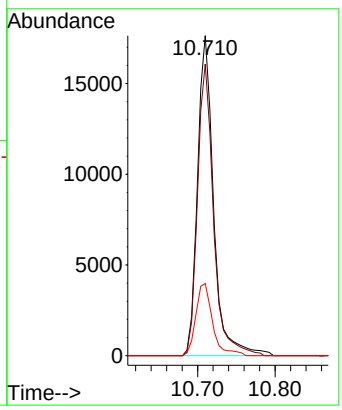


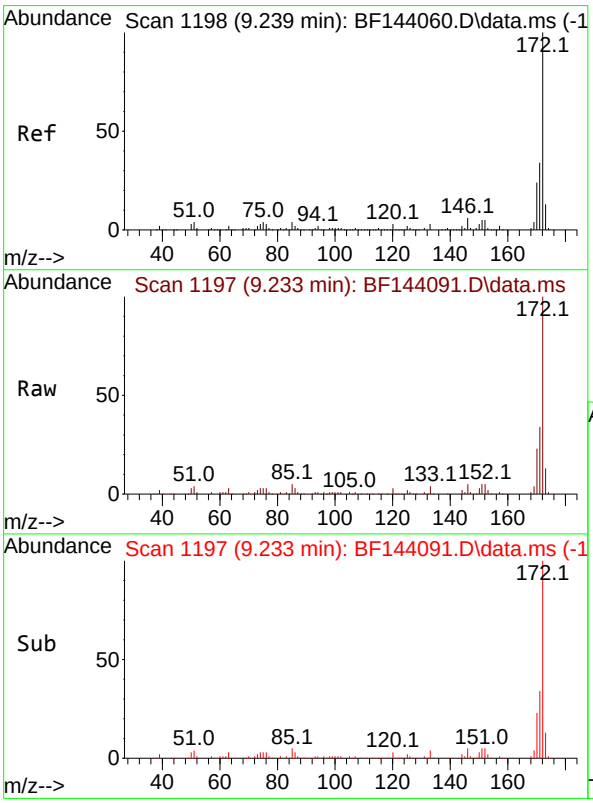
#42
2,4,6-Tribromophenol
Concen: 18.679 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:330 Resp: 25482

Ion	Ratio	Lower	Upper
330	100		
332	90.3	77.0	115.6
141	23.4	19.4	29.0

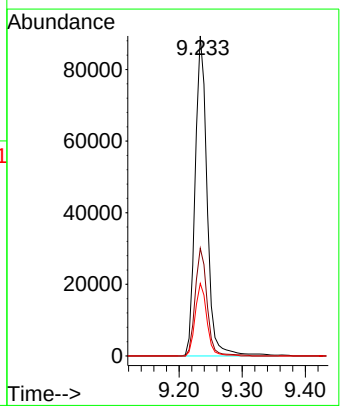


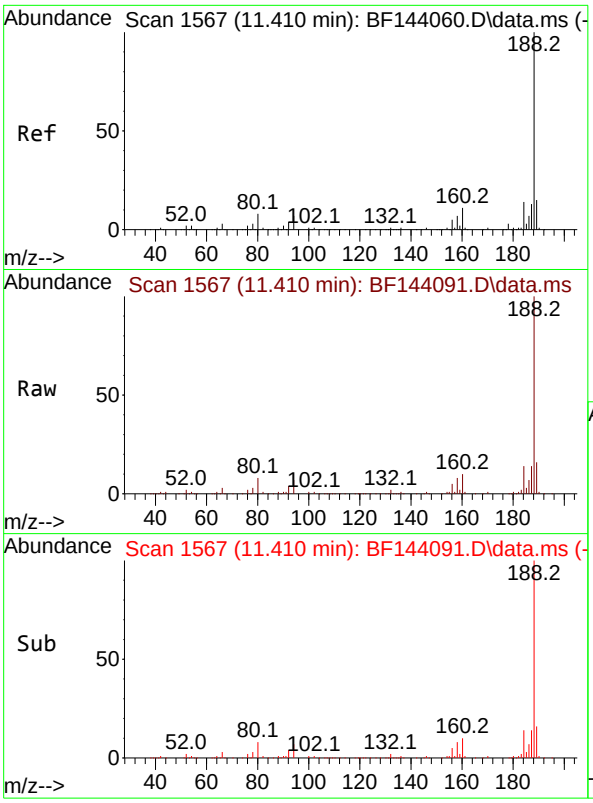


#45
2-Fluorobiphenyl
Concen: 15.441 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:172 Resp: 117513

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.5	41.3
170	22.6	19.0	28.6



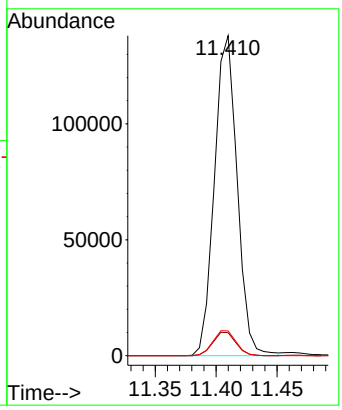


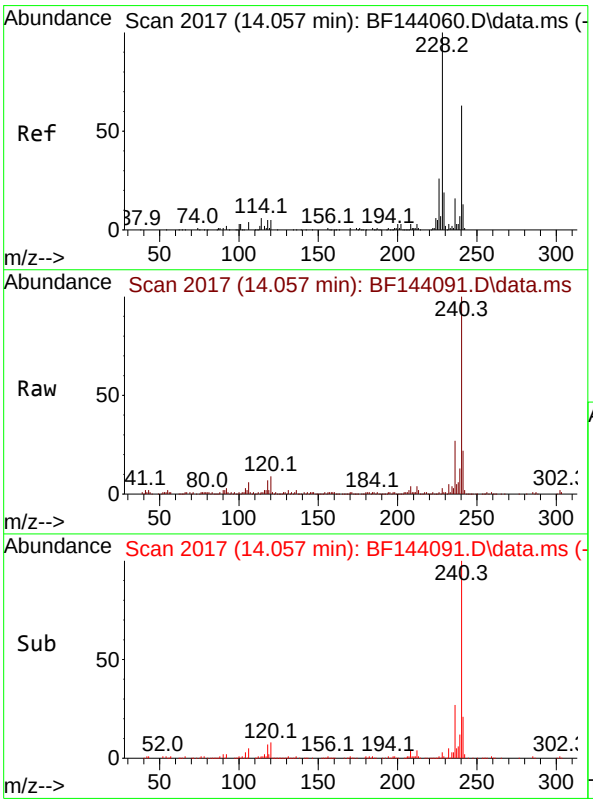
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:188 Resp: 179369

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.4	8.0
80	7.8	6.0	9.0

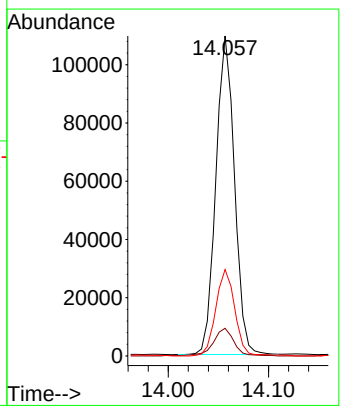


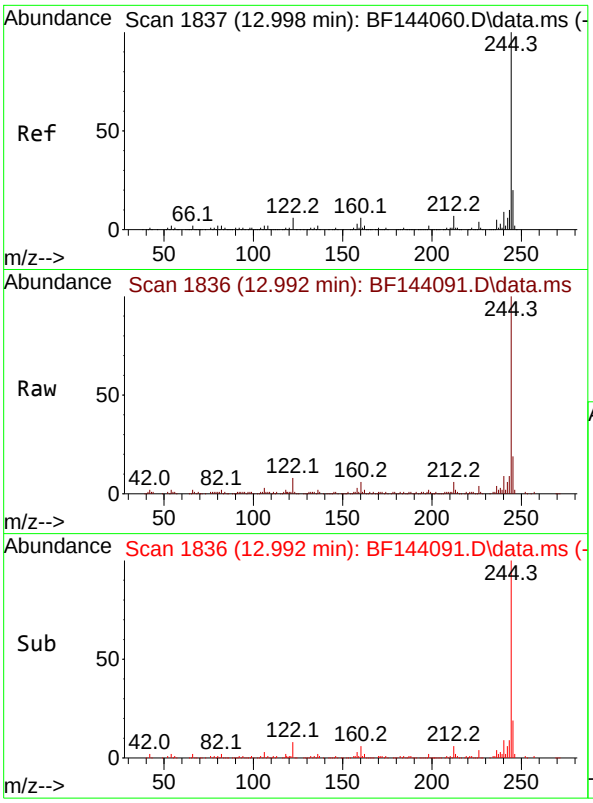


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:240 Resp: 140893

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.5	9.7
236	27.0	20.1	30.1



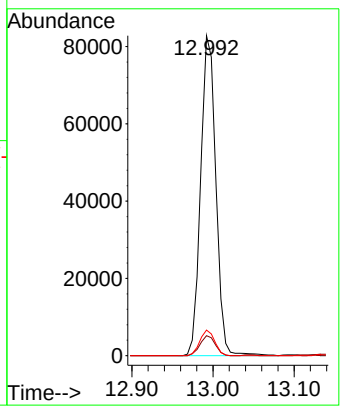


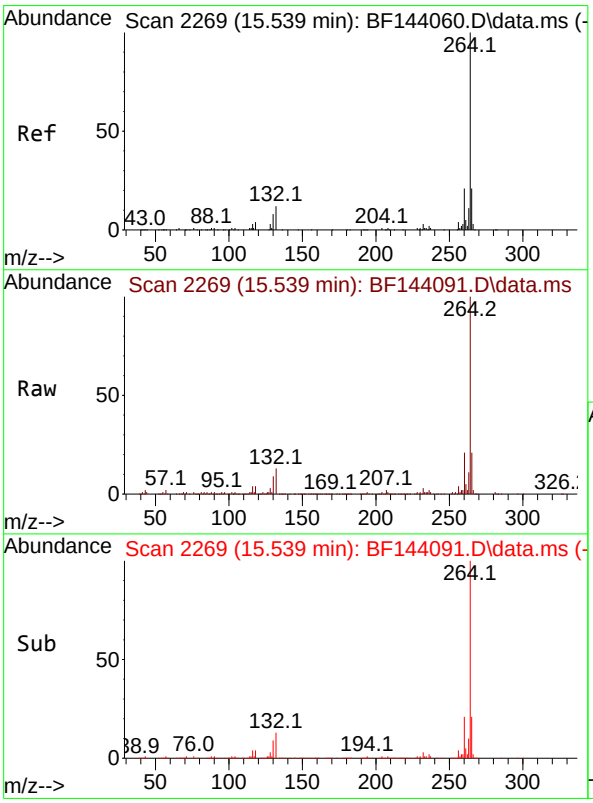
#79
Terphenyl-d14
Concen: 13.369 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

Tgt Ion:244 Resp: 107744

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	8.0	4.9	7.3#

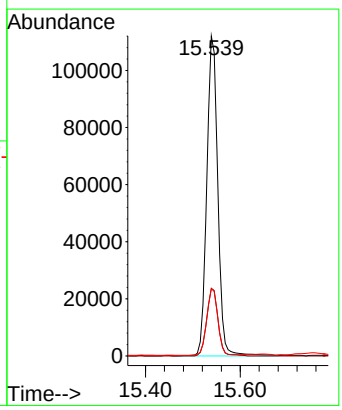




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144091.D
Acq: 27 Oct 2025 19:02

Tgt Ion:264 Resp: 181449

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.0	25.4
265	21.0	16.6	24.8



Sample Results: **BF144091.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

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

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

Signal : TIC: BF144091.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.416	25	38	49	rBV	26606	105980	8.47%	0.869%
2	5.493	556	561	576	rBV	167863	239140	19.11%	1.961%
3	6.504	728	733	746	rBV	150342	233232	18.63%	1.912%
4	6.875	791	796	806	rBV	232015	298819	23.87%	2.450%
5	7.439	886	892	904	rBV	95286	141921	11.34%	1.163%
6	8.163	1009	1015	1031	rBV	270227	363615	29.05%	2.981%
7	9.233	1192	1197	1208	rBV	239841	304883	24.36%	2.499%
8	9.916	1308	1313	1323	rBV	336841	431121	34.44%	3.534%
9	10.710	1443	1448	1459	rBV	113791	158817	12.69%	1.302%
10	11.186	1525	1529	1535	rBV7	9894	13214	1.06%	0.108%
11	11.363	1551	1559	1562	rBV4	11355	23929	1.91%	0.196%
12	11.410	1562	1567	1575	rVV	324034	438730	35.05%	3.597%
13	11.557	1582	1592	1596	rBV6	15587	29063	2.32%	0.238%
14	11.627	1600	1604	1607	rBV2	19896	28662	2.29%	0.235%
15	11.669	1607	1611	1614	rVV6	17053	29176	2.33%	0.239%
16	11.698	1614	1616	1620	rVB3	12842	16844	1.35%	0.138%
17	11.798	1626	1633	1637	rBV	71266	108978	8.71%	0.893%
18	11.833	1637	1639	1646	rVV8	18395	30769	2.46%	0.252%
19	11.898	1646	1650	1654	rVV3	35540	53093	4.24%	0.435%
20	11.957	1654	1660	1662	rVV5	33243	72763	5.81%	0.597%
21	11.992	1662	1666	1670	rVV3	115207	204613	16.35%	1.677%
22	12.039	1670	1674	1679	rVV2	85601	178685	14.28%	1.465%
23	12.104	1679	1685	1690	rVV3	137333	273785	21.87%	2.245%
24	12.157	1690	1694	1695	rVV	97971	142640	11.40%	1.169%
25	12.192	1695	1700	1706	rVV2	407338	684997	54.73%	5.616%
26	12.263	1706	1712	1718	rVV5	76512	171051	13.67%	1.402%
27	12.357	1721	1728	1733	rVV	544764	750867	59.99%	6.156%
28	12.433	1736	1741	1746	rVV	257262	382519	30.56%	3.136%
29	12.521	1746	1756	1761	rVV3	167883	340672	27.22%	2.793%
30	12.586	1763	1767	1771	rVV2	31655	48346	3.86%	0.396%
31	12.663	1771	1780	1786	rVV	353849	494132	39.48%	4.051%
32	12.716	1786	1789	1794	rVV	98855	136491	10.90%	1.119%
33	12.786	1797	1801	1808	rVV	69448	103044	8.23%	0.845%
34	12.857	1810	1813	1816	rVV2	19813	31515	2.52%	0.258%
35	12.916	1819	1823	1827	rVB	74148	97585	7.80%	0.800%
36	12.963	1827	1831	1834	rBV	260411	368254	29.42%	3.019%

Sample Results: **BF144091.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

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

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

37	12.992	1834	1836	1848	rVB	225697	304461	24.32%	2.496%
38	13.104	1850	1855	1856	rBV2	80484	94476	7.55%	0.775%
39	13.139	1856	1861	1866	rVV	910848	1251697	100.00%	10.262%
40	13.192	1866	1870	1874	rVB6	20959	33887	2.71%	0.278%
41	13.280	1881	1885	1892	rVB3	43815	79266	6.33%	0.650%
42	13.380	1892	1902	1905	rBV5	48836	114828	9.17%	0.941%
43	13.463	1912	1916	1919	rBV2	62226	89228	7.13%	0.732%
44	13.498	1919	1922	1926	rVB	133553	172170	13.75%	1.411%
45	13.539	1926	1929	1931	rBV2	19681	23987	1.92%	0.197%
46	13.604	1938	1940	1947	rVB2	27169	36994	2.96%	0.303%
47	13.698	1952	1956	1959	rBV2	36171	50942	4.07%	0.418%
48	13.763	1959	1967	1971	rBV8	59487	123056	9.83%	1.009%
49	13.857	1977	1983	2000	rVB	466515	809084	64.64%	6.633%
50	14.057	2009	2017	2029	rVB	332949	794414	63.47%	6.513%
51	14.521	2093	2096	2101	rBV5	9713	17794	1.42%	0.146%
52	14.827	2145	2148	2153	rVB3	15498	22864	1.83%	0.187%
53	15.168	2203	2206	2214	rVB3	18080	29197	2.33%	0.239%
54	15.415	2245	2248	2253	rVB	15977	23858	1.91%	0.196%
55	15.474	2256	2258	2262	rVV2	14351	18029	1.44%	0.148%
56	15.539	2264	2269	2283	rVB	269686	479586	38.31%	3.932%
57	16.521	2432	2436	2445	rVB2	25428	51188	4.09%	0.420%
58	17.127	2534	2539	2552	rVB4	18122	44869	3.58%	0.368%

Sum of corrected areas: 12197820

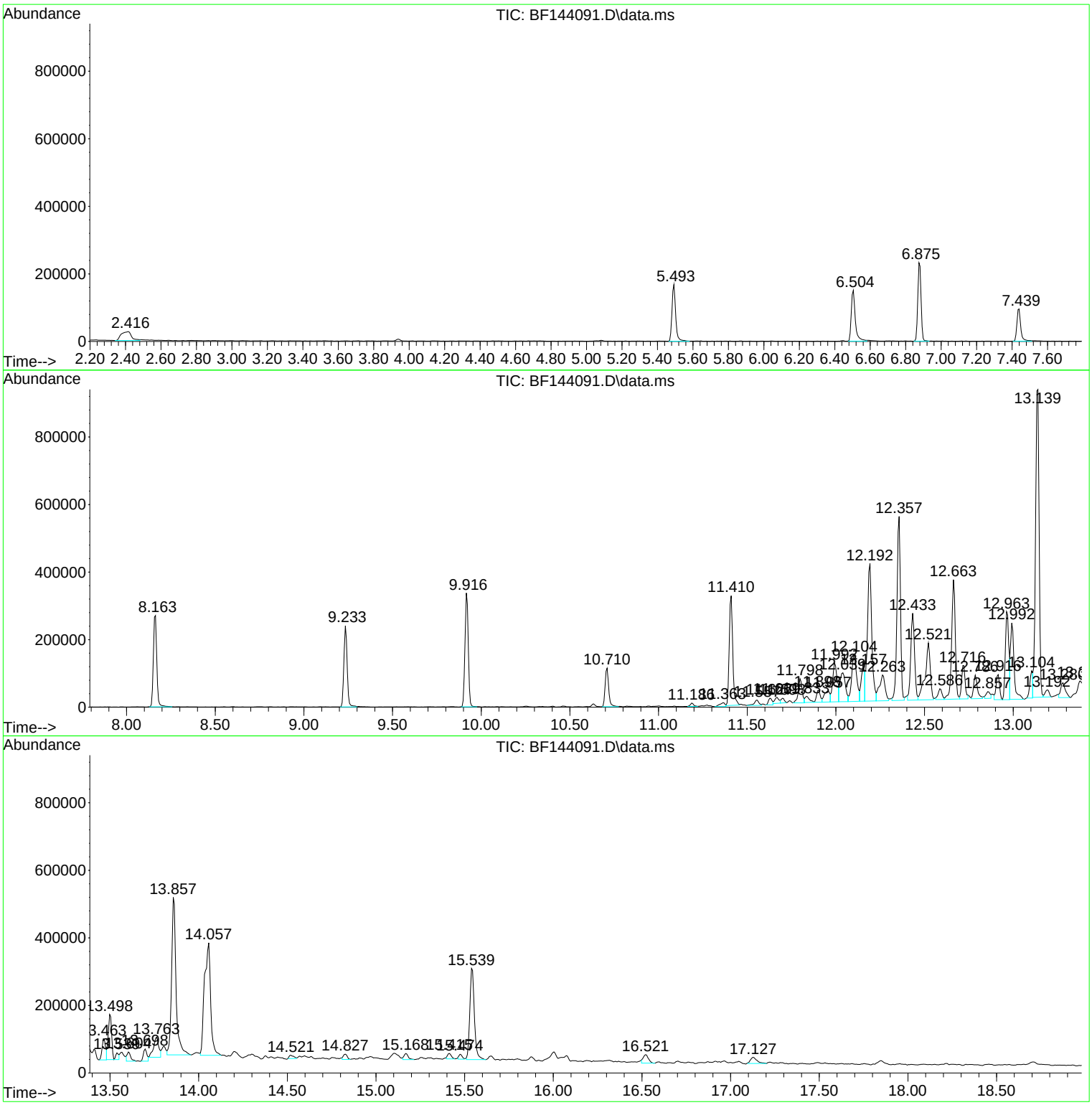
Sample Results: **BF144091.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

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



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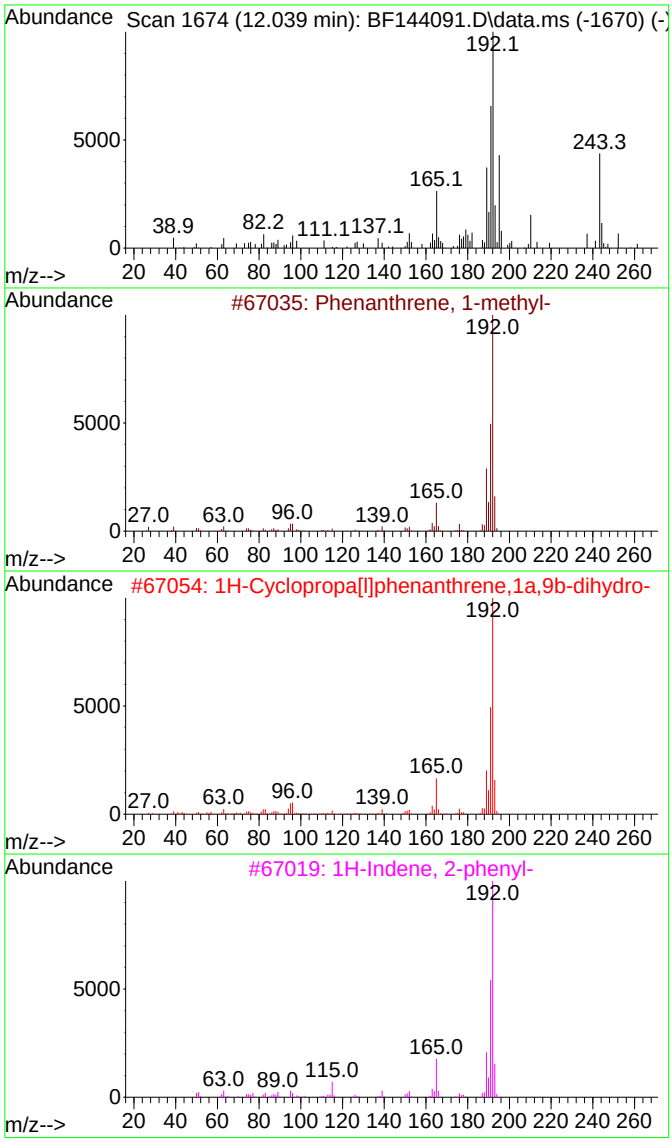
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

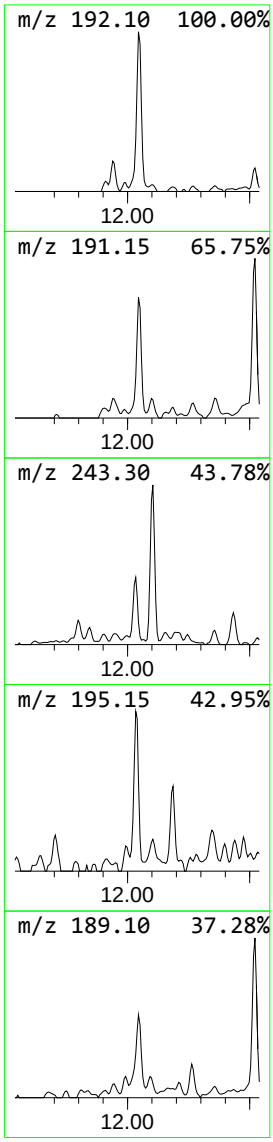
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	8.15 ng	178685	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55





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Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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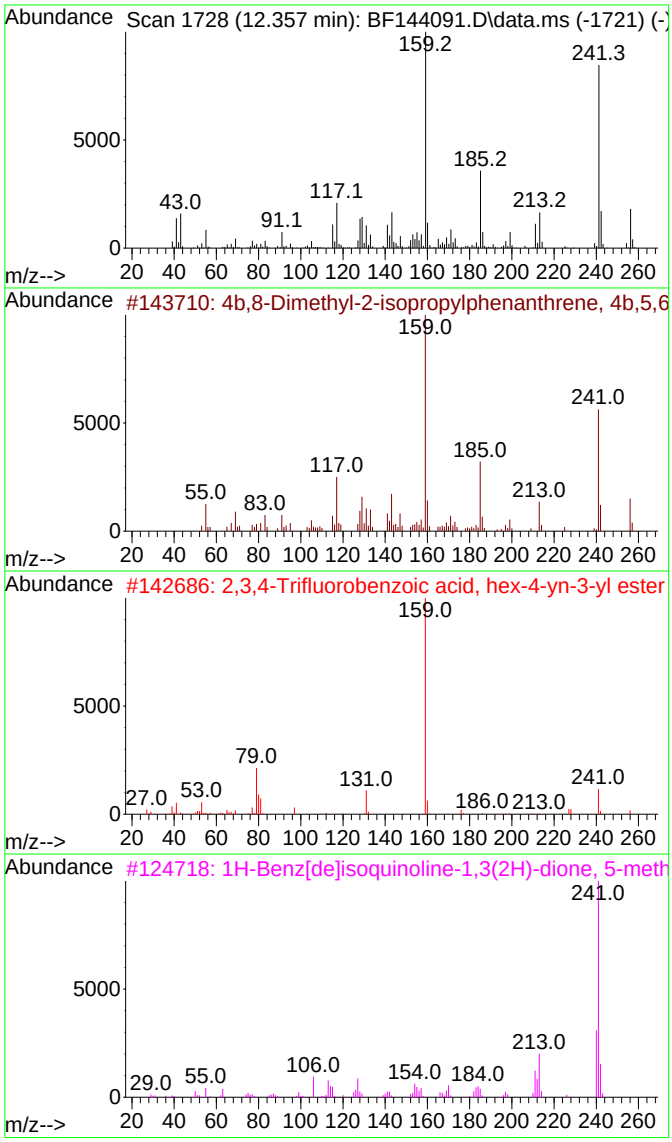
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

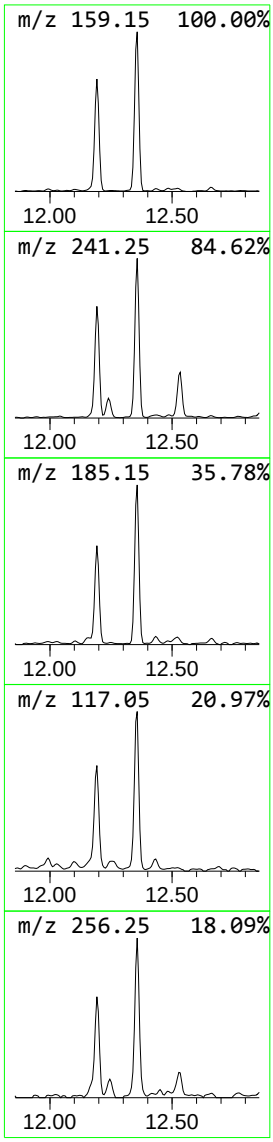
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	34.23 ng	750867	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	59
3	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	35
4	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	30
5	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	30





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Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

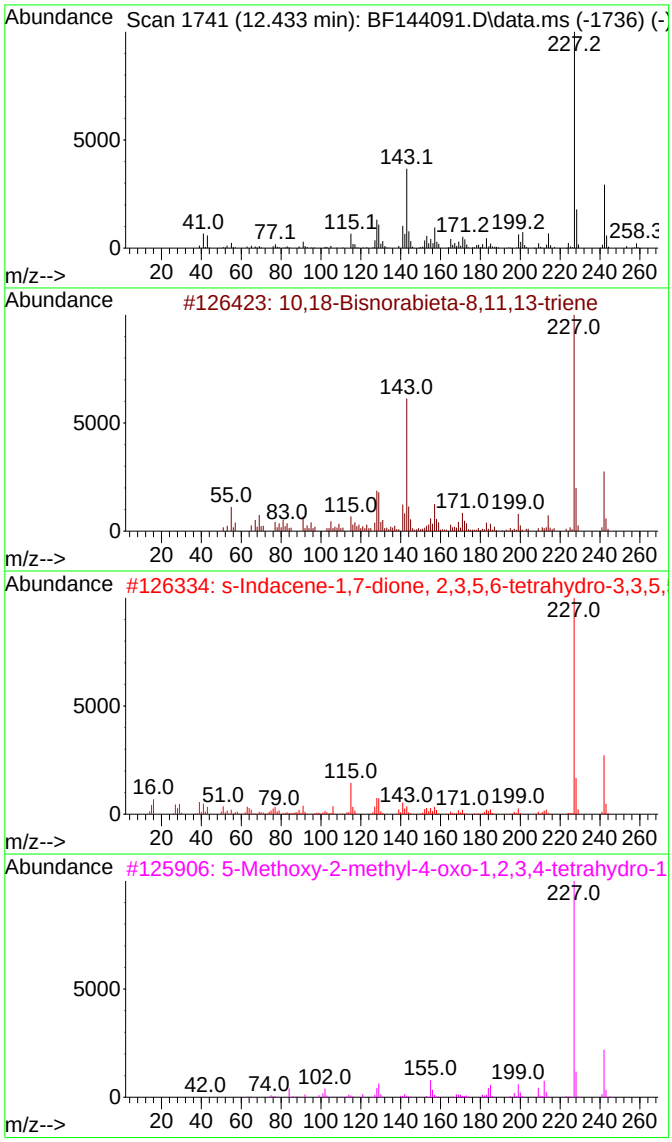
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

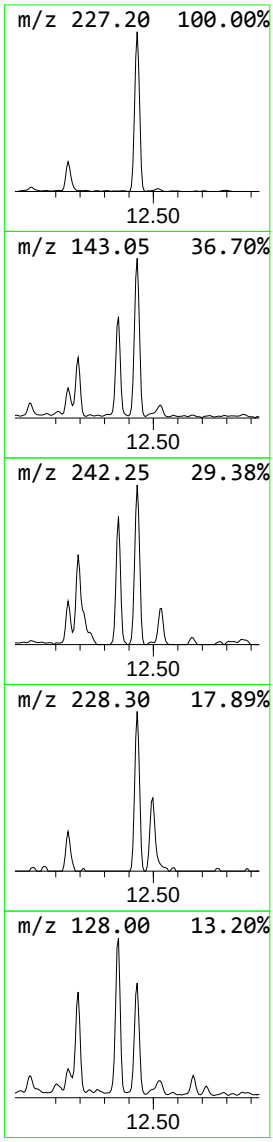
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 10,18-Bisnorabieta-8,11,13-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	17.44 ng	382519	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	95
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	81
3	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	53
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	52
5	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	52





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Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

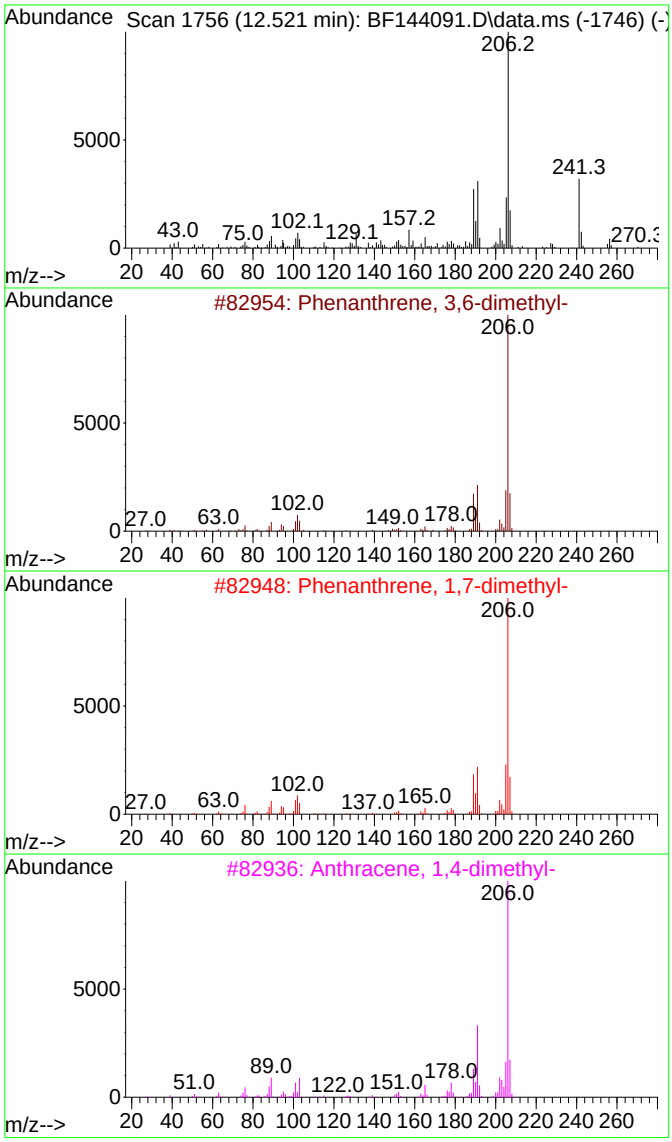
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

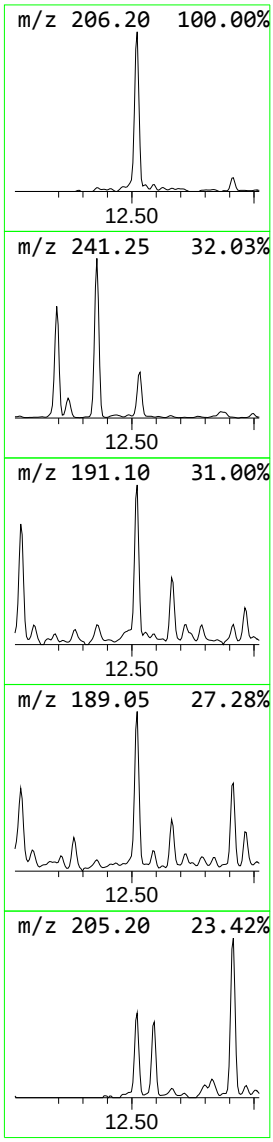
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	15.53 ng	340672	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	70





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Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

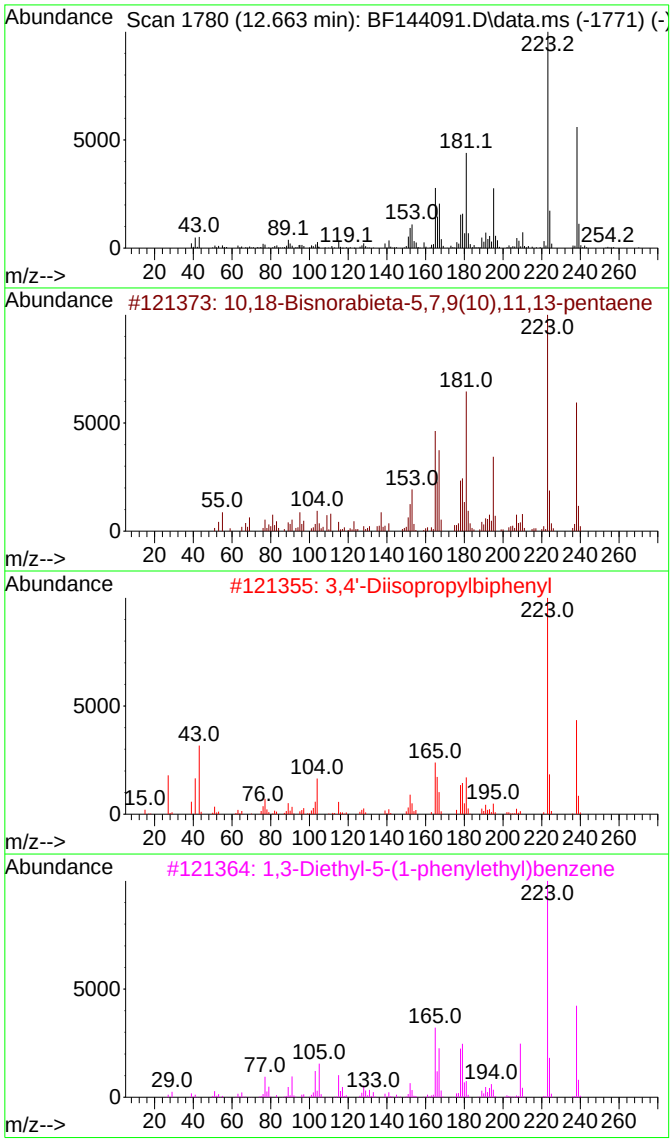
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

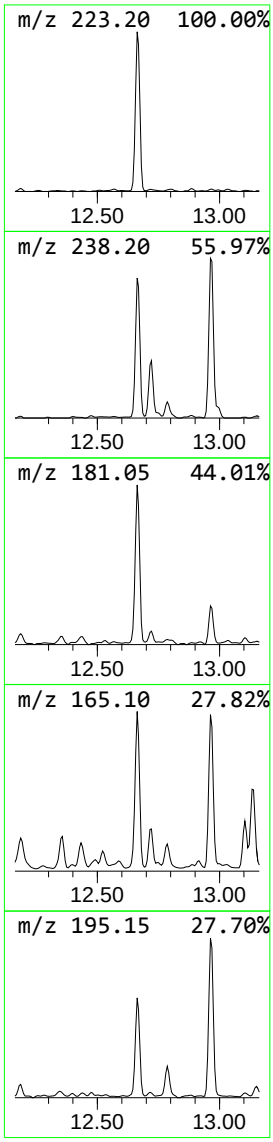
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	22.53 ng	494132	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	62
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
5	2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	53





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Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

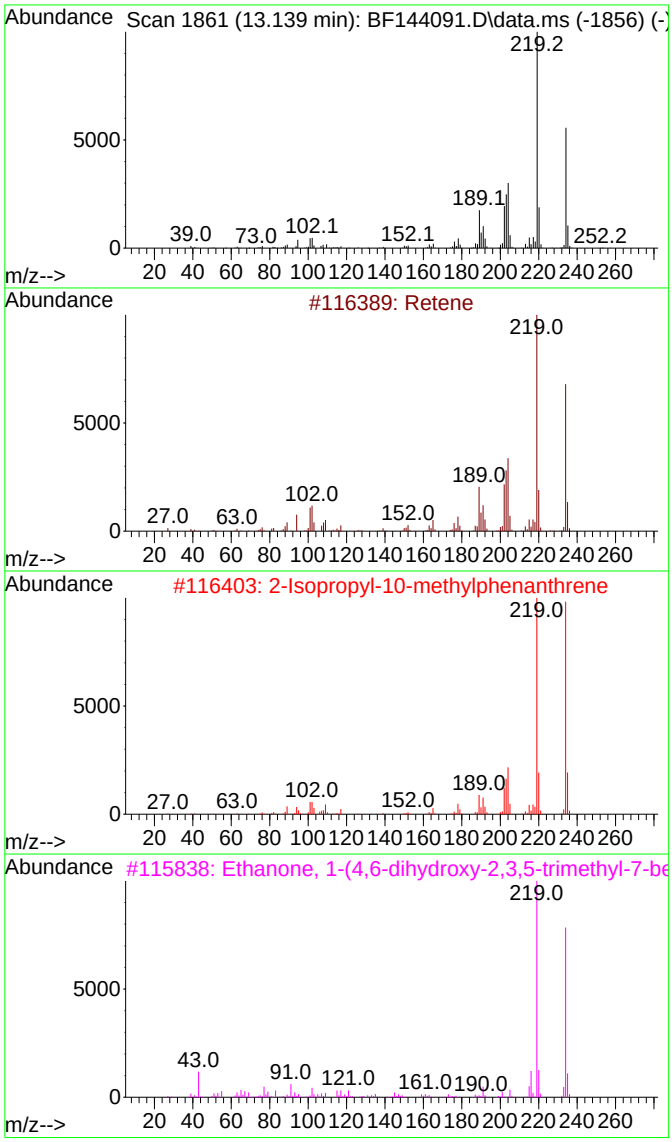
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

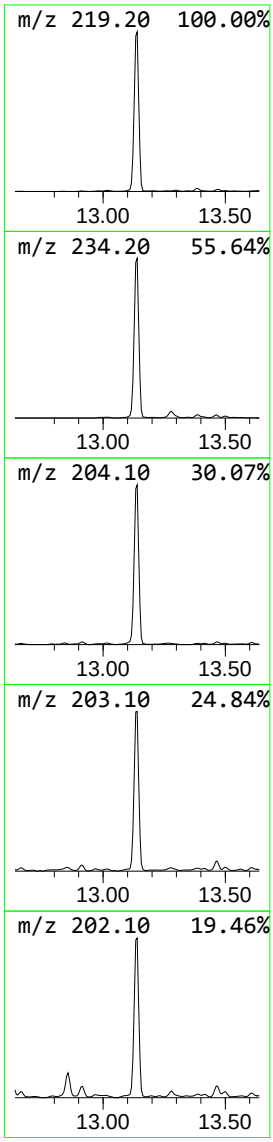
****

Peak Number 16 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	31.51 ng	1251700	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	64
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	53
5	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52





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Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

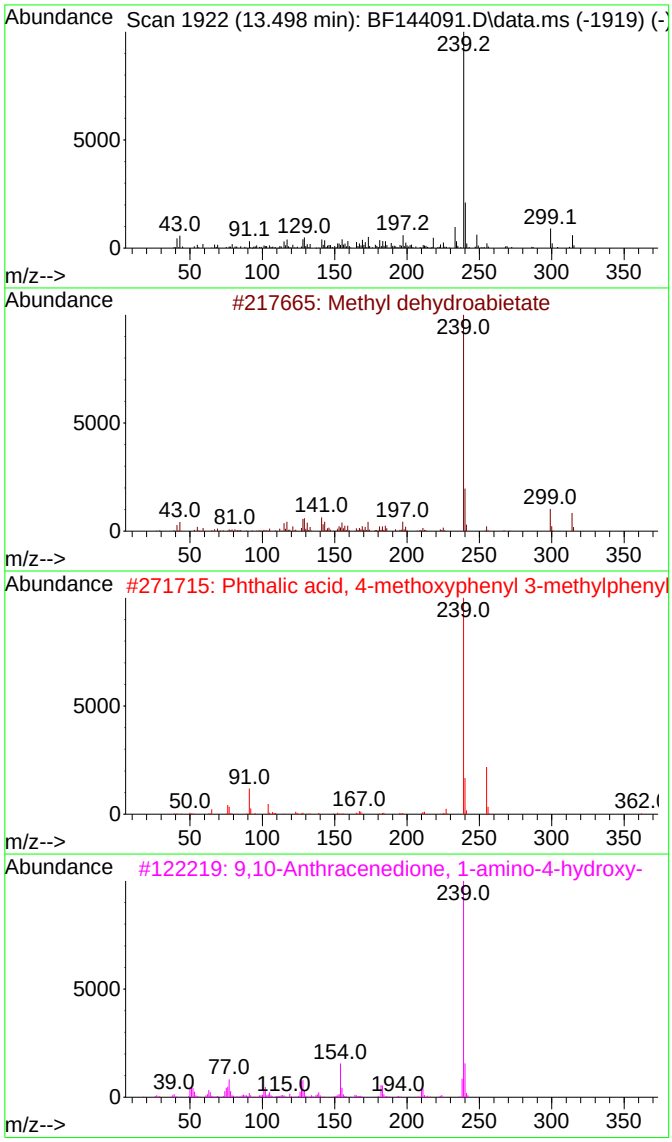
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

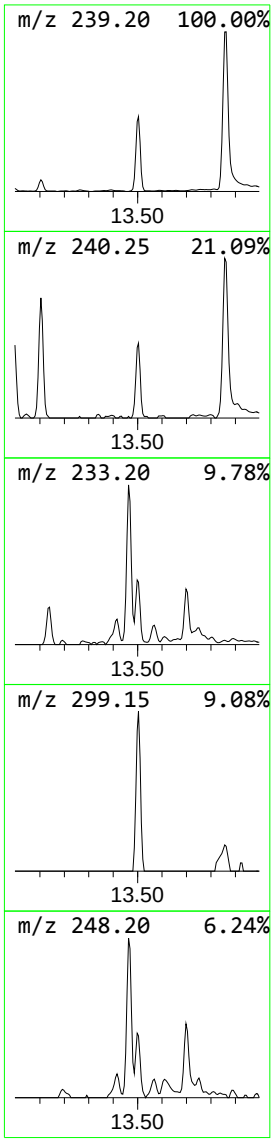
****

Peak Number 18 Methyl dehydroabietate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.498	4.33 ng	172170	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	94
2	Phthalic acid, 4-methoxyphenyl 3...	362	C22H18O5	1000315-68-0	53
3	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	42
4	1-Amino-4-hydroxyanthraquinone, ...	323	C18H13NO5	052062-64-3	42
5	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	42





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Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

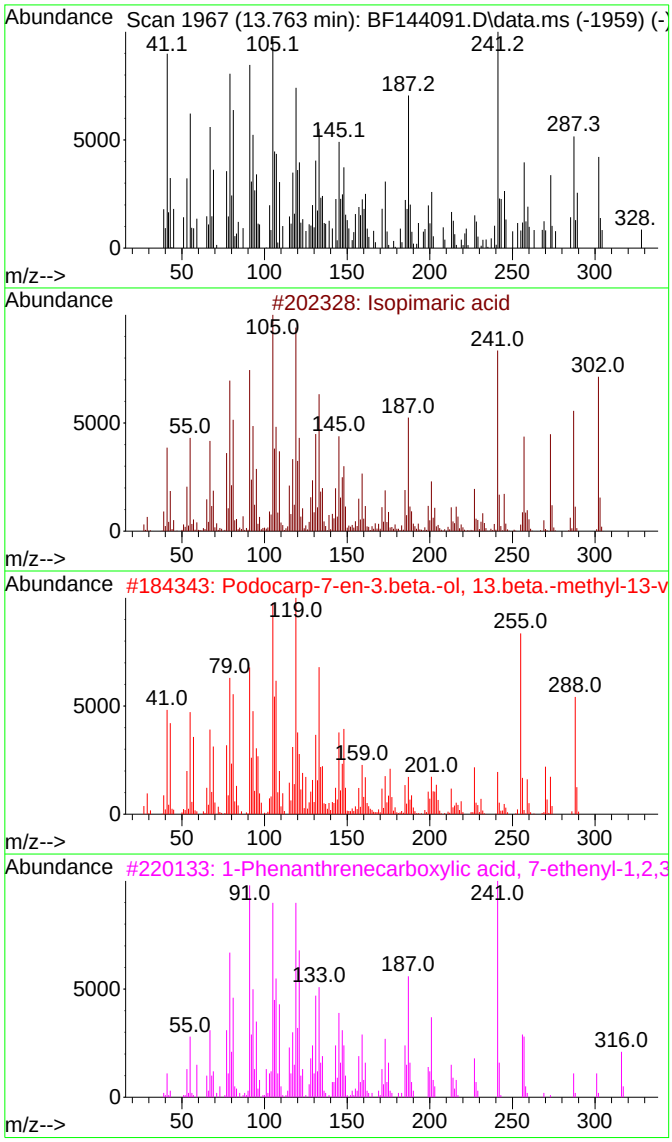
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

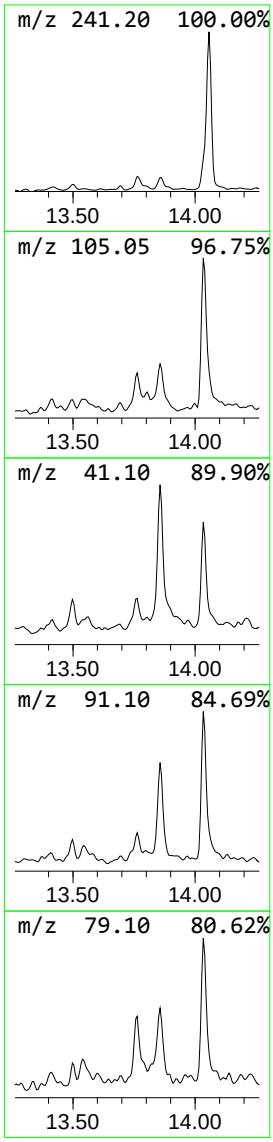
****

Peak Number 19 Isopimaric acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	3.10 ng	123056	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopimaric acid	302	C20H30O2	005835-26-7	93
2	Podocarp-7-en-3.beta.-ol, 13.bet...	288	C20H32O	004752-56-1	55
3	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	49
4	Kauren-19-oic acid	302	C20H30O2	006730-83-2	38
5	2-Cyano-N-(4-(2,6-dimethyl-4-mor...	273	C15H19N3O2	329700-29-0	25





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Misc      :
ALS Vial  : 19   Sample Multiplier: 1

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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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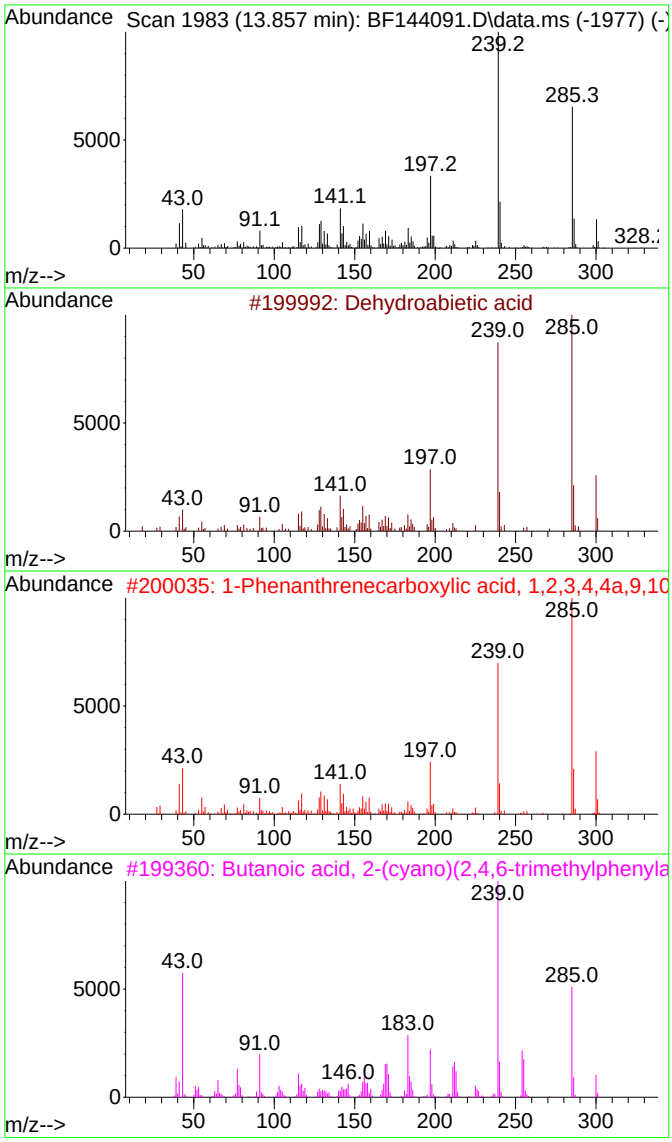
Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

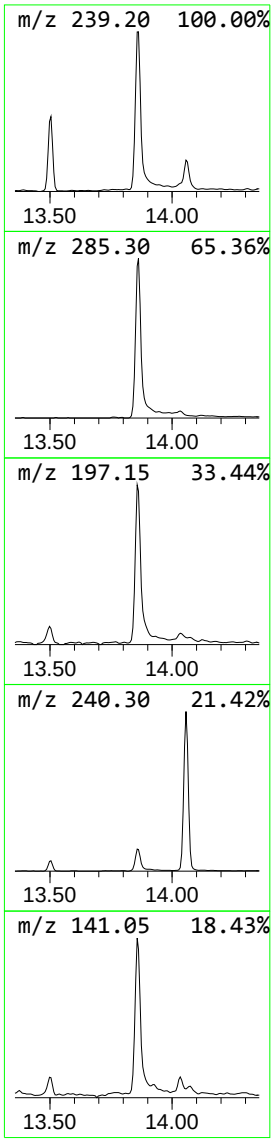
****

Peak Number 20 Dehydroabietic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	20.37 ng	809084	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	98
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	83
4	Ethyl 4-hydroxy-6-(trifluorometh...	285	C13H10F3NO3	026893-12-9	62
5	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	42





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Operator : RC/JU
Sample : Q3447-05 5X
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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4b,8-Dimethyl-2...	12.357	34.2	ng	750867	4	11.410	438730	20.0
10,18-Bisnorabi...	12.433	17.4	ng	382519	4	11.410	438730	20.0
Phenanthrene, 3...	12.522	15.5	ng	340672	4	11.410	438730	20.0
10,18-Bisnorabi...	12.663	22.5	ng	494132	4	11.410	438730	20.0
Retene	13.139	31.5	ng	1251700	5	14.057	794414	20.0
Methyl dehydroa...	13.498	4.3	ng	172170	5	14.057	794414	20.0
Isopimaric acid	13.763	3.1	ng	123056	5	14.057	794414	20.0
Dehydroabietic ...	13.857	20.4	ng	809084	5	14.057	794414	20.0

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-07			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	9300	U	2	9300	19600	ug/Kg	10/27/25 21:02	PB170246
108-95-2	Phenol	1300	U	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
111-44-4	bis(2-Chloroethyl)ether	1400	U	2	1400	10100	ug/Kg	10/27/25 21:02	PB170246
95-57-8	2-Chlorophenol	1400	U	2	1400	10100	ug/Kg	10/27/25 21:02	PB170246
95-48-7	2-Methylphenol	1800	U	2	1800	10100	ug/Kg	10/27/25 21:02	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	2200	U	2	2200	10100	ug/Kg	10/27/25 21:02	PB170246
98-86-2	Acetophenone	1800	U	2	1800	10100	ug/Kg	10/27/25 21:02	PB170246
65794-96-9	3+4-Methylphenols	2400	U	2	2400	19600	ug/Kg	10/27/25 21:02	PB170246
621-64-7	n-Nitroso-di-n-propylamine	2800	U	2	2800	4800	ug/Kg	10/27/25 21:02	PB170246
67-72-1	Hexachloroethane	1000	UQ	2	1000	10100	ug/Kg	10/27/25 21:02	PB170246
98-95-3	Nitrobenzene	1100	U	2	1100	10100	ug/Kg	10/27/25 21:02	PB170246
78-59-1	Isophorone	1900	U	2	1900	10100	ug/Kg	10/27/25 21:02	PB170246
88-75-5	2-Nitrophenol	3500	U	2	3500	10100	ug/Kg	10/27/25 21:02	PB170246
105-67-9	2,4-Dimethylphenol	3800	U	2	3800	10100	ug/Kg	10/27/25 21:02	PB170246
111-91-1	bis(2-Chloroethoxy)methane	1800	U	2	1800	10100	ug/Kg	10/27/25 21:02	PB170246
120-83-2	2,4-Dichlorophenol	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
91-20-3	Naphthalene	1300	U	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
106-47-8	4-Chloroaniline	2100	U	2	2100	10100	ug/Kg	10/27/25 21:02	PB170246
87-68-3	Hexachlorobutadiene	1500	U	2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
105-60-2	Caprolactam	3100	U	2	3100	19600	ug/Kg	10/27/25 21:02	PB170246
59-50-7	4-Chloro-3-methylphenol	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
91-57-6	2-Methylnaphthalene	1500	U	2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
77-47-4	Hexachlorocyclopentadiene	6900	U	2	6900	19600	ug/Kg	10/27/25 21:02	PB170246
88-06-2	2,4,6-Trichlorophenol	1200	U	2	1200	10100	ug/Kg	10/27/25 21:02	PB170246
95-95-4	2,4,5-Trichlorophenol	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
92-52-4	1,1-Biphenyl	1300	U	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
91-58-7	2-Chloronaphthalene	1300	U	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
88-74-4	2-Nitroaniline	2900	U	2	2900	10100	ug/Kg	10/27/25 21:02	PB170246
131-11-3	Dimethylphthalate	1600	U	2	1600	10100	ug/Kg	10/27/25 21:02	PB170246
208-96-8	Acenaphthylene	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
606-20-2	2,6-Dinitrotoluene	2000	U	2	2000	10100	ug/Kg	10/27/25 21:02	PB170246
99-09-2	3-Nitroaniline	2700	U	2	2700	10100	ug/Kg	10/27/25 21:02	PB170246
83-32-9	Acenaphthene	5700	J	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
51-28-5	2,4-Dinitrophenol	13600	U	2	13600	19600	ug/Kg	10/27/25 21:02	PB170246
100-02-7	4-Nitrophenol	6400	U	2	6400	19600	ug/Kg	10/27/25 21:02	PB170246
132-64-9	Dibenzofuran	1300	U	2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
121-14-2	2,4-Dinitrotoluene	3000	U	2	3000	10100	ug/Kg	10/27/25 21:02	PB170246
84-66-2	Diethylphthalate	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
7005-72-3	4-Chlorophenyl-phenylether	1600	U	2	1600	10100	ug/Kg	10/27/25 21:02	PB170246
86-73-7	Fluorene	6100	J	2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
100-01-6	4-Nitroaniline	3800	U	2	3800	10100	ug/Kg	10/27/25 21:02	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	6100	U	2	6100	19600	ug/Kg	10/27/25 21:02	PB170246

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-07			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2000	U	2	2000	10100	ug/Kg	10/27/25 21:02	PB170246
101-55-3	4-Bromophenyl-phenylether	1700	U	2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
118-74-1	Hexachlorobenzene	1500	U	2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
1912-24-9	Atrazine	2000	U	2	2000	10100	ug/Kg	10/27/25 21:02	PB170246
87-86-5	Pentachlorophenol	3000	U	2	3000	19600	ug/Kg	10/27/25 21:02	PB170246
85-01-8	Phenanthrene	64300		2	1200	10100	ug/Kg	10/27/25 21:02	PB170246
120-12-7	Anthracene	12900		2	2000	10100	ug/Kg	10/27/25 21:02	PB170246
86-74-8	Carbazole	1900	U	2	1900	10100	ug/Kg	10/27/25 21:02	PB170246
84-74-2	Di-n-butylphthalate	2800	U	2	2800	10100	ug/Kg	10/27/25 21:02	PB170246
206-44-0	Fluoranthene	66000		2	1800	10100	ug/Kg	10/27/25 21:02	PB170246
129-00-0	Pyrene	48700		2	2100	10100	ug/Kg	10/27/25 21:02	PB170246
85-68-7	Butylbenzylphthalate	4200	U	2	4200	10100	ug/Kg	10/27/25 21:02	PB170246
91-94-1	3,3-Dichlorobenzidine	2200	U	2	2200	19600	ug/Kg	10/27/25 21:02	PB170246
56-55-3	Benzo(a)anthracene	44100		2	1400	10100	ug/Kg	10/27/25 21:02	PB170246
218-01-9	Chrysene	43500		2	1200	10100	ug/Kg	10/27/25 21:02	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	3500	U	2	3500	10100	ug/Kg	10/27/25 21:02	PB170246
117-84-0	Di-n-octyl phthalate	5200	U	2	5200	19600	ug/Kg	10/27/25 21:02	PB170246
205-99-2	Benzo(b)fluoranthene	81400		2	1100	10100	ug/Kg	10/27/25 21:02	PB170246
207-08-9	Benzo(k)fluoranthene	28500		2	1300	10100	ug/Kg	10/27/25 21:02	PB170246
50-32-8	Benzo(a)pyrene	56700		2	1800	10100	ug/Kg	10/27/25 21:02	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	21900		2	1700	10100	ug/Kg	10/27/25 21:02	PB170246
53-70-3	Dibenzo(a,h)anthracene	10700		2	1600	10100	ug/Kg	10/27/25 21:02	PB170246
191-24-2	Benzo(g,h,i)perylene	34400		2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	1500	U	2	1500	10100	ug/Kg	10/27/25 21:02	PB170246
123-91-1	1,4-Dioxane	2700	U	2	2700	10100	ug/Kg	10/27/25 21:02	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	1600	U	2	1600	10100	ug/Kg	10/27/25 21:02	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	77.5			18 - 112	52%	SPK: 150		
13127-88-3	Phenol-d6	81.4			15 - 107	54%	SPK: 150		
4165-60-0	Nitrobenzene-d5	52.1			18 - 107	52%	SPK: 100		
321-60-8	2-Fluorobiphenyl	59.9			20 - 109	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	78.0			10 - 116	52%	SPK: 150		
1718-51-0	Terphenyl-d14	44.1			10 - 105	44%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	51900							
1146-65-2	Naphthalene-d8	182000							
15067-26-2	Acenaphthene-d10	92700							
1517-22-2	Phenanthrene-d10	151000							
1719-03-5	Chrysene-d12	148000							
1520-96-3	Perylene-d12	92700							
TENTATIVE IDENTIFIED COMPOUNDS									
301643-35-6	Naphthalene, 6-ethyl-1,2,3,4-tetra	284000	J			11.8	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	1360000	J			12.4	ug/Kg		

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-07			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	1.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	1300000	J			12.5	ug/Kg		
000483-65-8	Retene	458000	J			13.2	ug/Kg		
001235-74-1	Methyl dehydroabietate	192000	J			13.5	ug/Kg		
005155-70-4	1-Phenanthrenecarboxylic acid, 1,2	554000	J			14.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 28 10:43:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	51901	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	181596	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	92703	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	151349	20.000	ng	0.00
76) Chrysene-d12	14.092	240	148380	20.000	ng	0.04
86) Perylene-d12	15.569	264	92727	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	127089	38.741	ng	0.00
7) Phenol-d6	6.504	99	147472	40.705	ng	0.00
23) Nitrobenzene-d5	7.440	82	86343	26.049	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	46077	39.020	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	197306	29.951	ng	0.00
79) Terphenyl-d14	13.027	244	187309	22.069	ng	0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	9353	3.325	ng	97
52) Acenaphthene	9.951	154	14500	2.896	ng	94
58) Fluorene	10.469	166	16255	3.069	ng	# 96
71) Phenanthrene	11.439	178	244138	32.472	ng	100
72) Anthracene	11.486	178	50701m	6.528	ng	
75) Fluoranthene	12.669	202	276969	33.344	ng	97
78) Pyrene	12.898	202	262159m	24.576	ng	
81) Benzo(a)anthracene	14.080	228	223515	22.290	ng	# 92
83) Chrysene	14.116	228	206519	21.947	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.074	276	70422	11.062	ng	99
88) Benzo(b)fluoranthene	15.133	252	215514m	41.112	ng	
89) Benzo(k)fluoranthene	15.151	252	69604m	14.391	ng	
90) Benzo(a)pyrene	15.510	252	134648	28.631	ng	95
91) Dibenzo(a,h)anthracene	17.080	278	27110	5.380	ng	# 75
92) Benzo(g,h,i)perylene	17.527	276	88017	17.372	ng	95

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

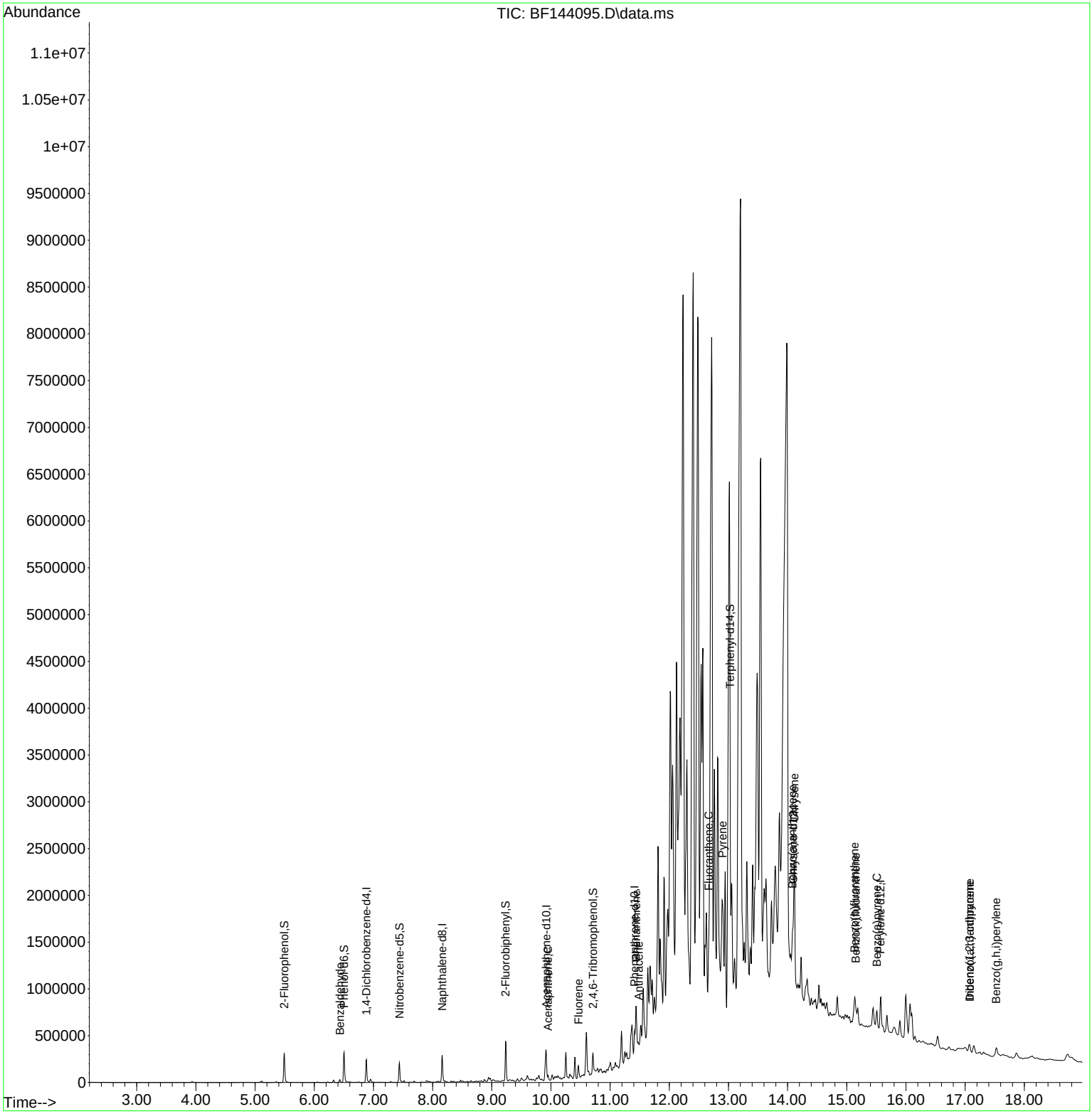
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

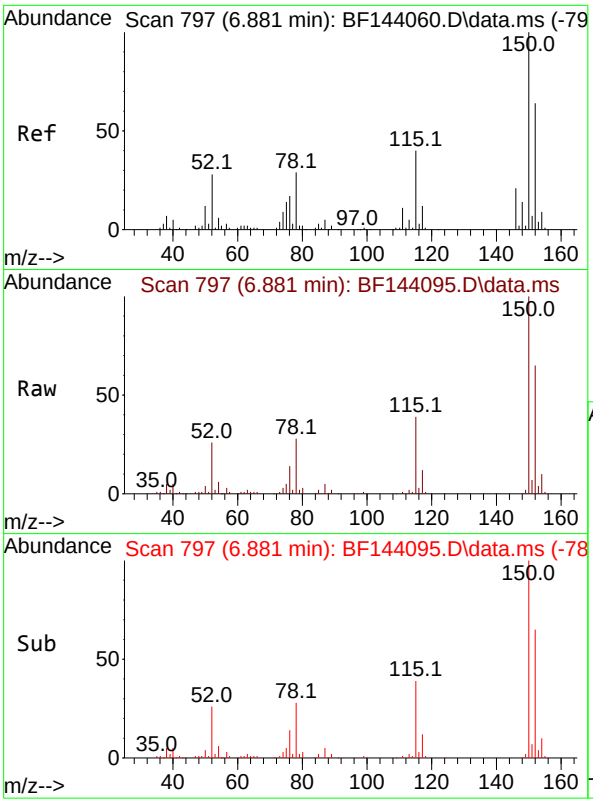
Quant Time: Oct 28 10:43:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

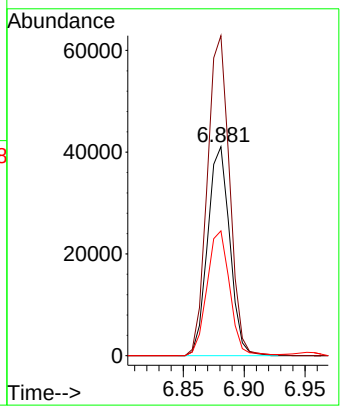




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:152 Resp: 5190

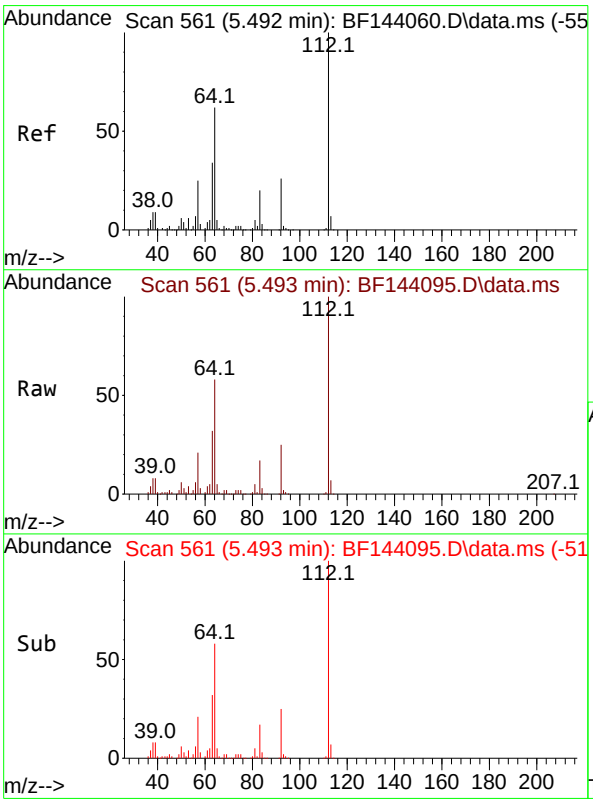
Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.4	186.6
115	59.7	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

Manual Integrations
APPROVED

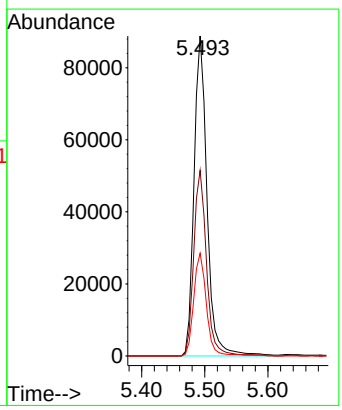
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

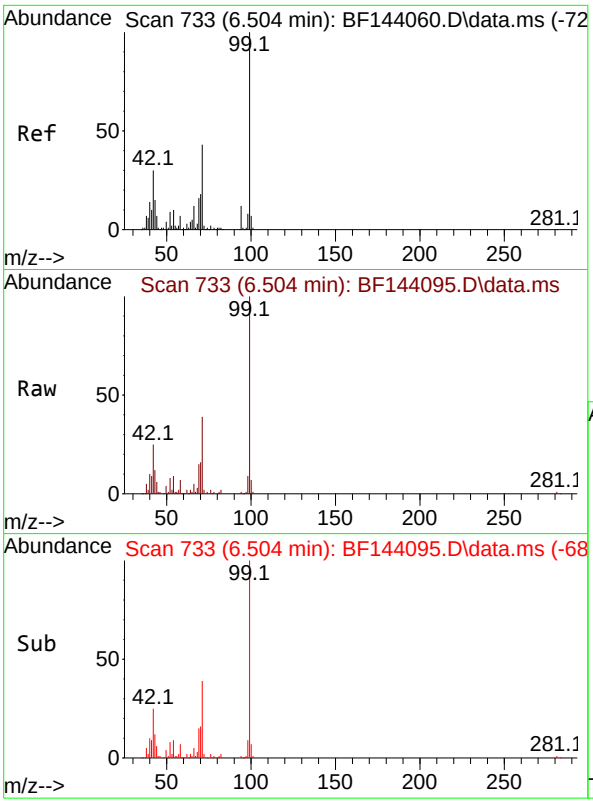


#5
2-Fluorophenol
Concen: 38.741 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:112 Resp: 127089

Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.8	74.8
63	32.1	27.4	41.2

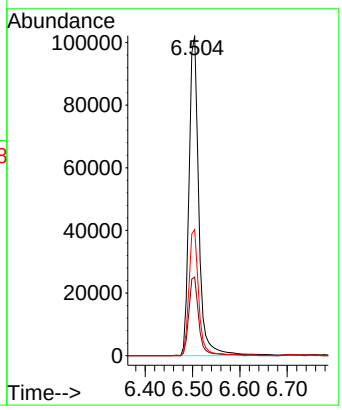




#7
Phenol-d6
Concen: 40.705 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

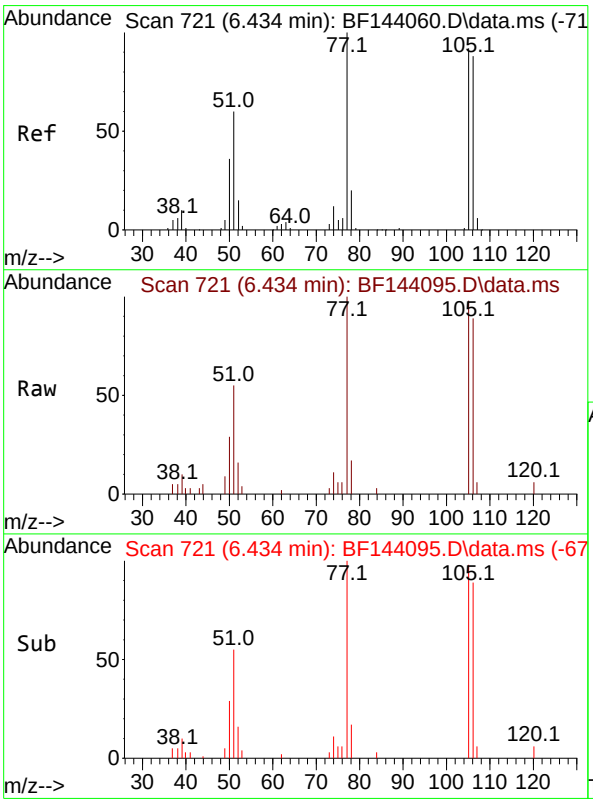
Tgt Ion: 99 Resp: 14747

Ion	Ratio	Lower	Upper
99	100		
42	24.5	23.9	35.9
71	39.4	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

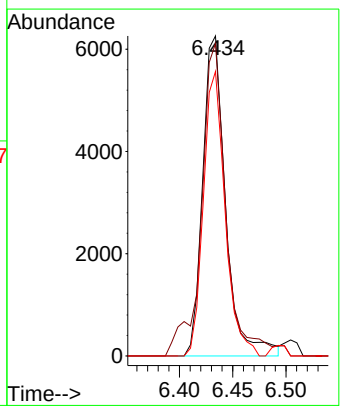
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

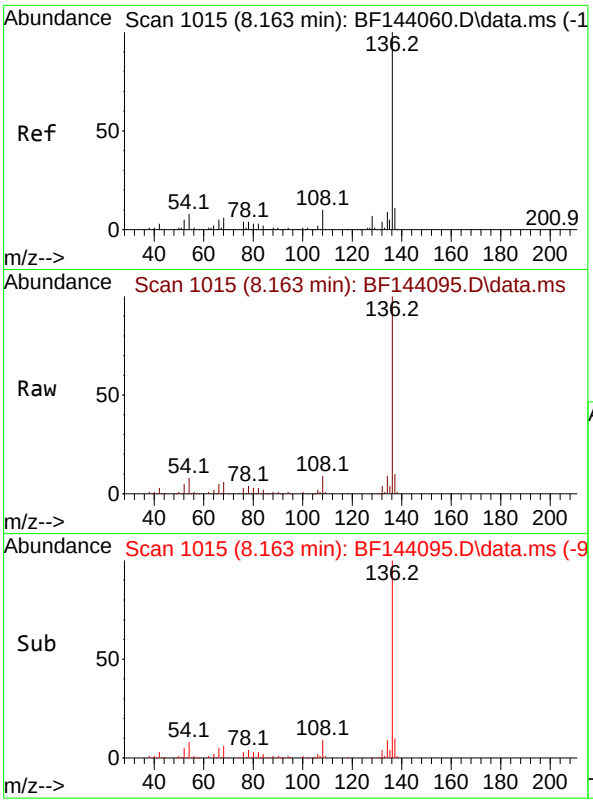


#9
Benzaldehyde
Concen: 3.325 ng
RT: 6.434 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion: 77 Resp: 9353

Ion	Ratio	Lower	Upper
77	100		
105	97.6	72.2	112.2
106	88.9	67.9	107.9

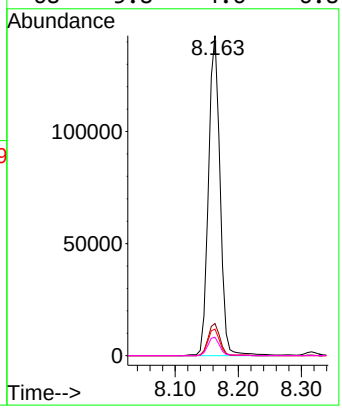




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:136 Resp: 18159

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	13.0
54	8.3	6.6	9.8
68	5.8	4.6	6.8



Instrument :
BNA_F
ClientSampleId :
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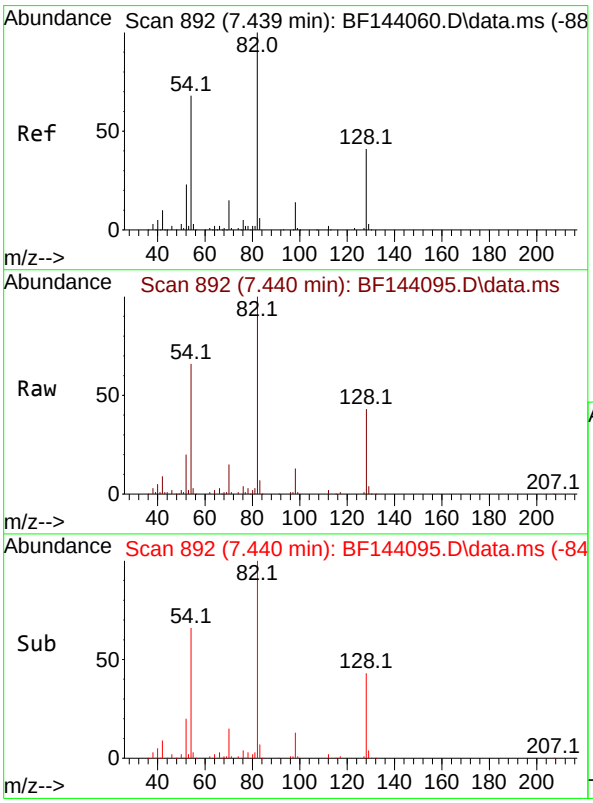
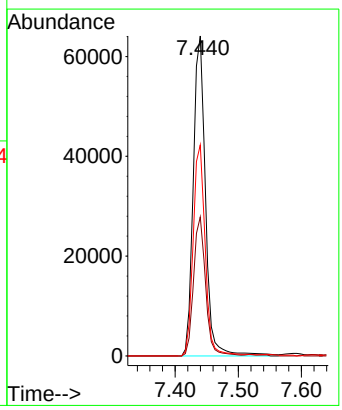
Supervised By :mohammad ahmed 10/30/2025

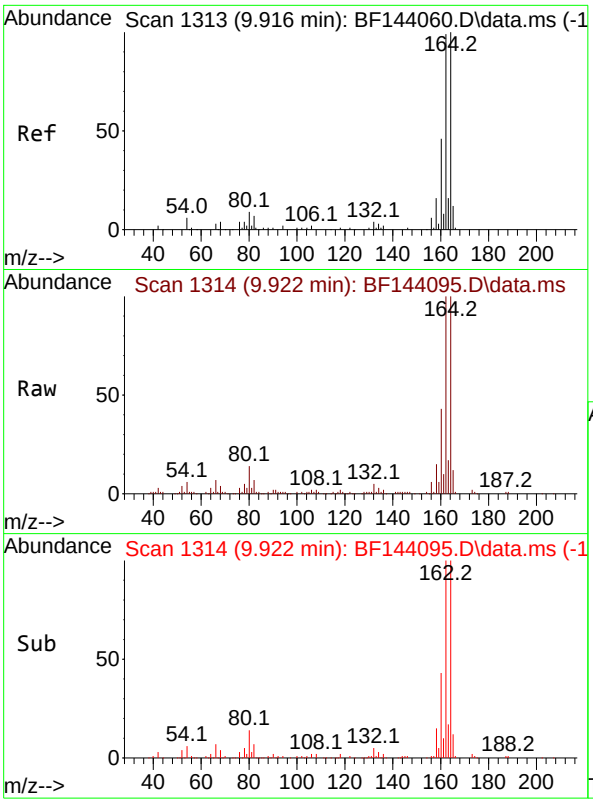


#23
Nitrobenzene-d5
Concen: 26.049 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion: 82 Resp: 86343

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.4	48.6
54	65.9	54.0	81.0

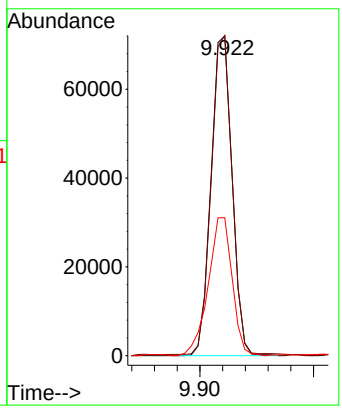




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:164 Resp: 9270

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.2
160	43.1	36.7	55.1



Instrument :
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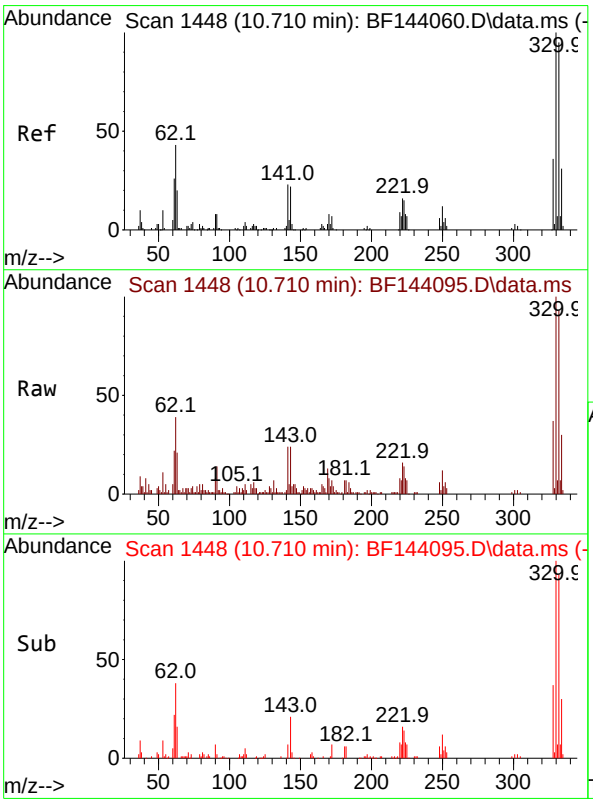
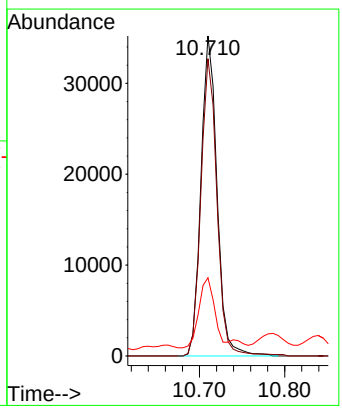
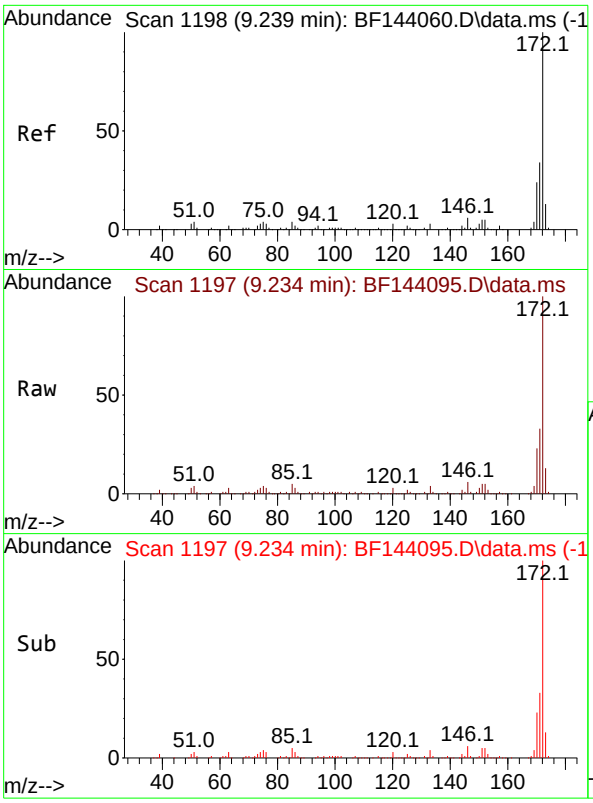


#42
2,4,6-Tribromophenol
Concen: 39.020 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:330 Resp: 46077

Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.0	115.6
141	21.9	19.4	29.0

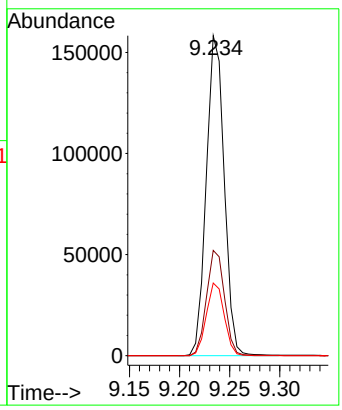




#45
2-Fluorobiphenyl
Concen: 29.951 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:172 Resp: 19730

Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.5	41.3
170	22.7	19.0	28.6



Instrument :
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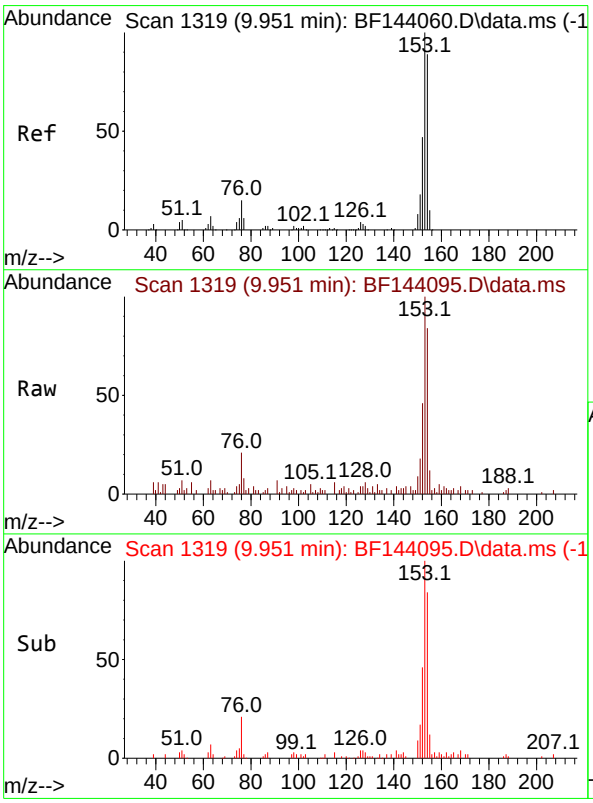
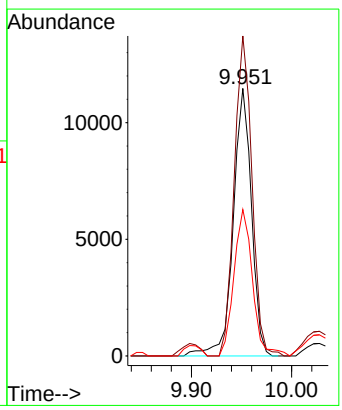
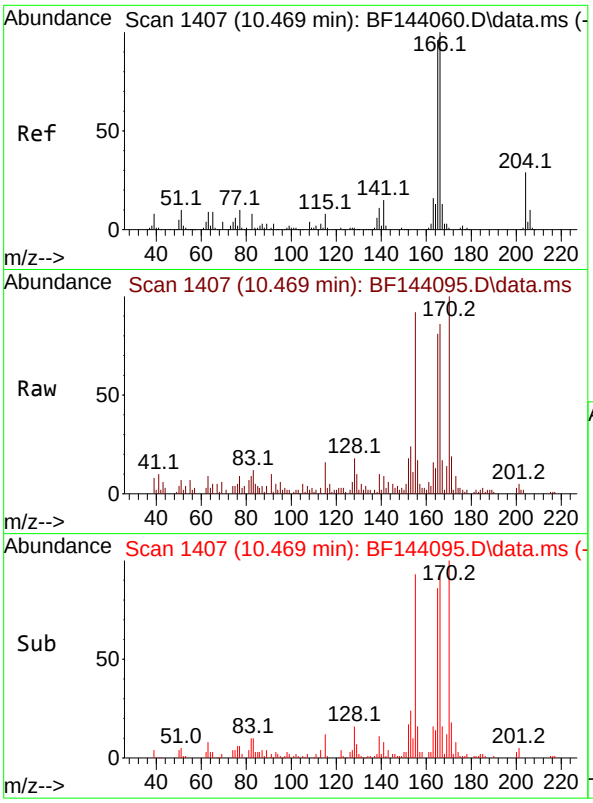


#52
Acenaphthene
Concen: 2.896 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:154 Resp: 14500

Ion	Ratio	Lower	Upper
154	100		
153	119.6	89.9	134.9
152	54.7	42.0	63.0

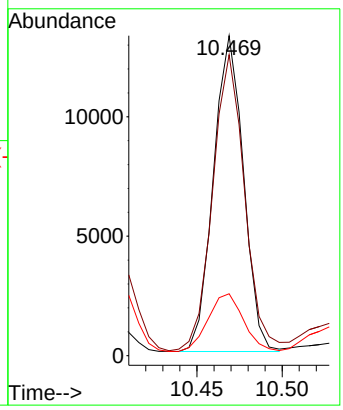




#58
Fluorene
Concen: 3.069 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:166 Resp: 1625

Ion	Ratio	Lower	Upper
166	100		
165	94.0	77.0	115.4
167	19.4	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
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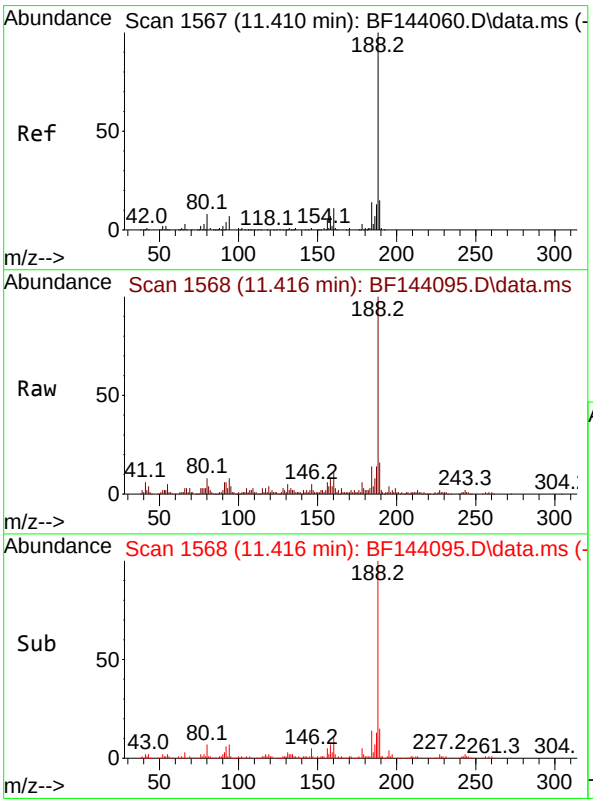
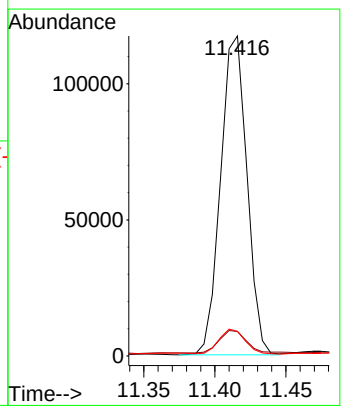
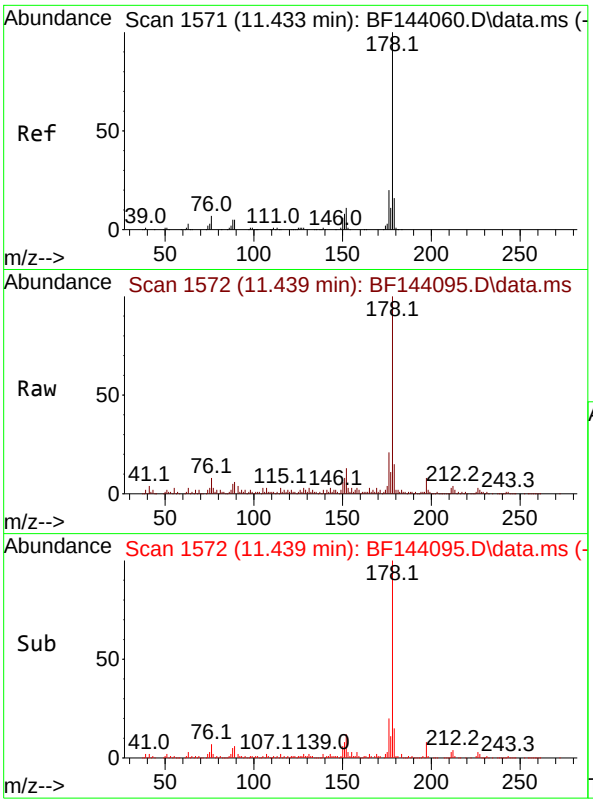


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:188 Resp: 151349

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.4	8.0
80	7.7	6.0	9.0

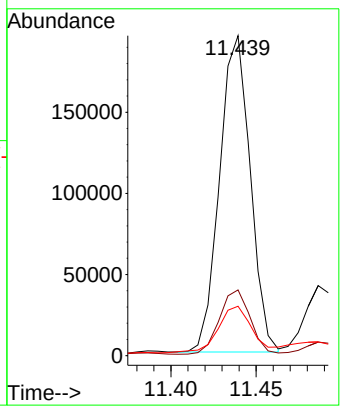




#71
Phenanthrene
Concen: 32.472 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:178 Resp: 24413

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.3	24.5
179	15.5	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
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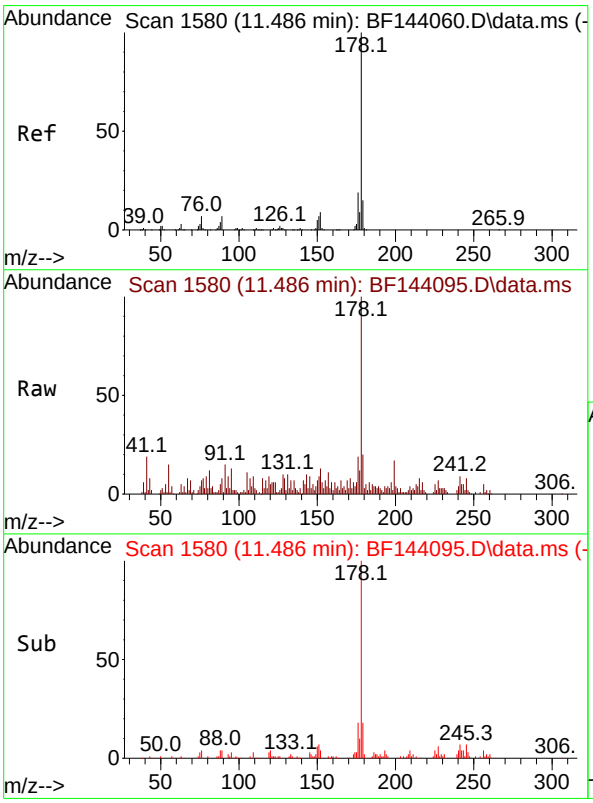
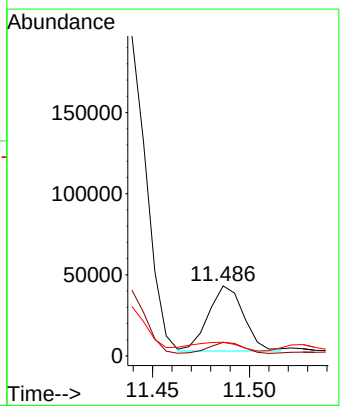
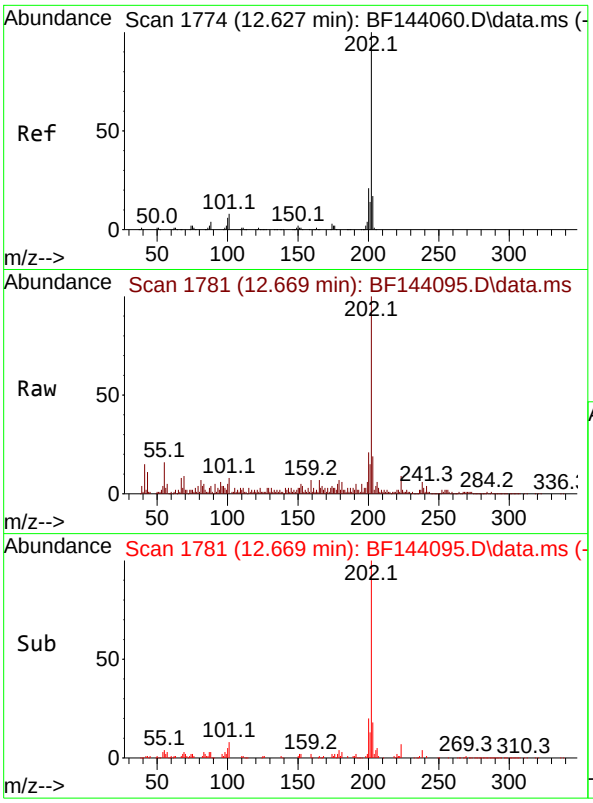


#72
Anthracene
Concen: 6.528 ng m
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:178 Resp: 50701

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	19.5	11.8	17.6#





#75
Fluoranthene
Concen: 33.344 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.041 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:202 Resp: 27696

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.7
203	18.8	0.0	37.3

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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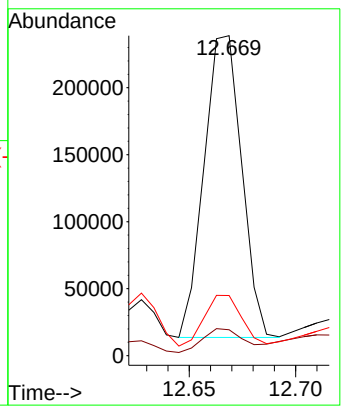
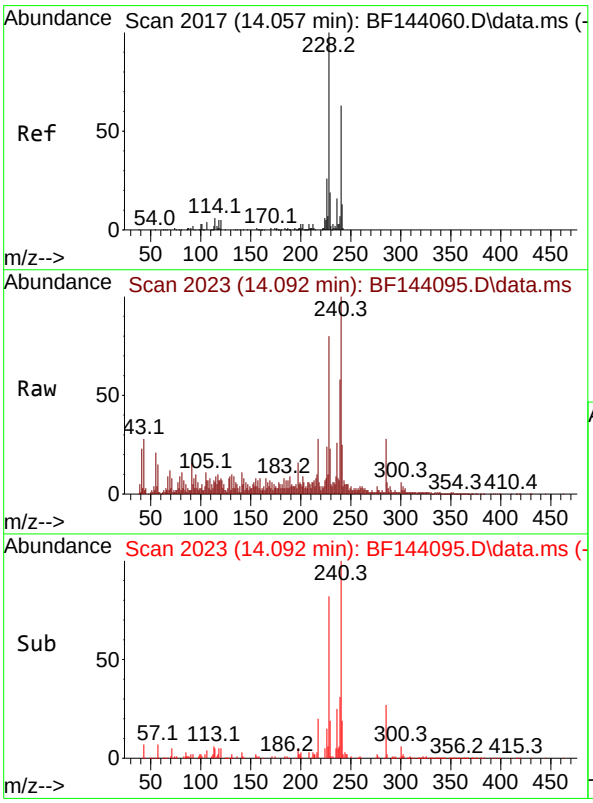
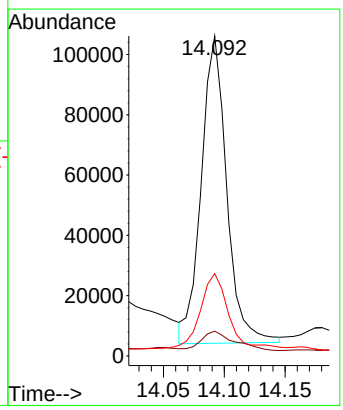


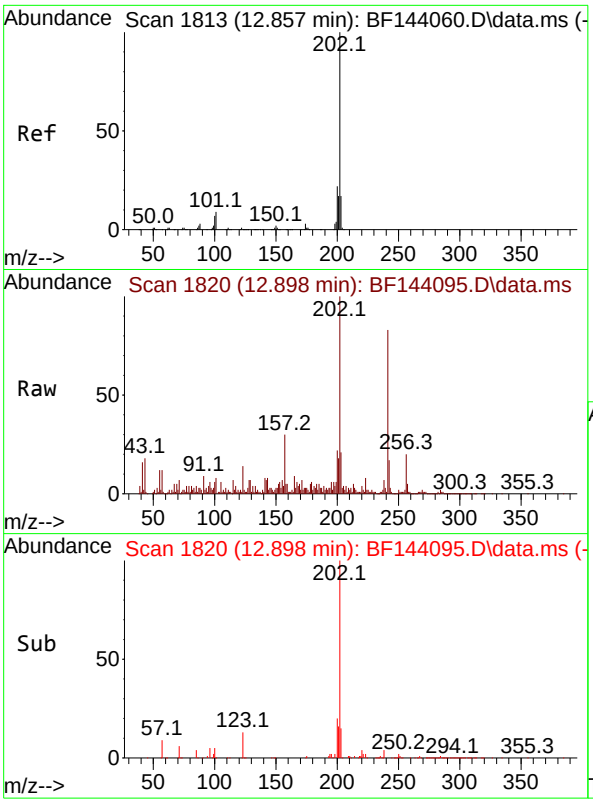


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.036 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:240 Resp: 148380

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.8	20.1	30.1

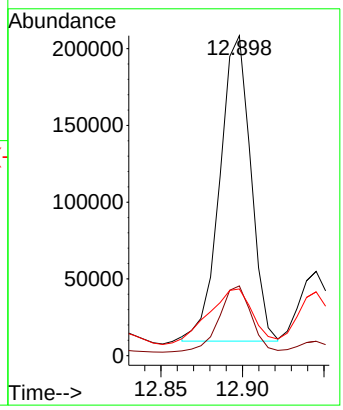




#78
Pyrene
Concen: 24.576 ng m
RT: 12.898 min Scan# 1
Delta R.T. 0.041 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:202 Resp: 26215

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	20.9	13.5	20.3#



Instrument :
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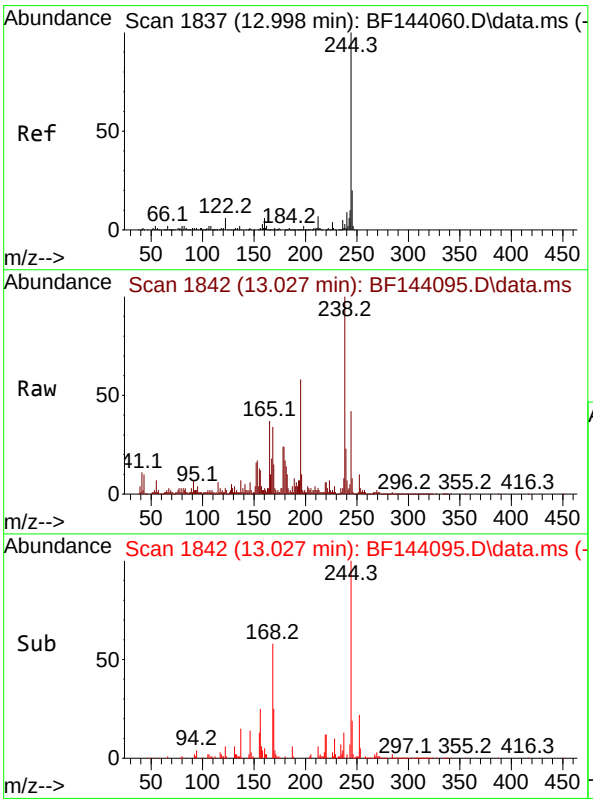
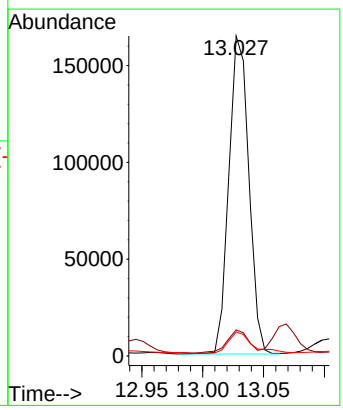
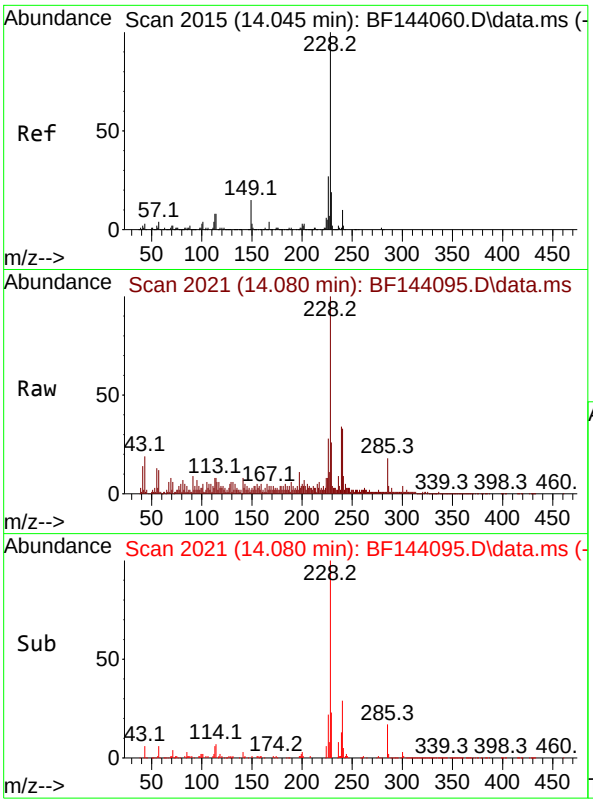


#79
Terphenyl-d14
Concen: 22.069 ng
RT: 13.027 min Scan# 1842
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:244 Resp: 187309

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	7.5	4.9	7.3#

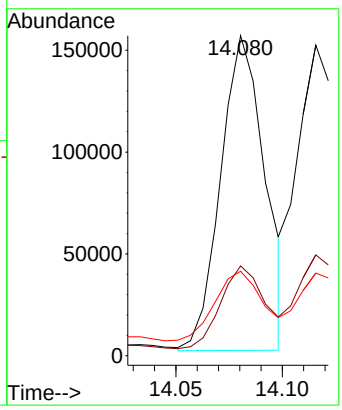




#81
Benzo(a)anthracene
Concen: 22.290 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:228 Resp: 22351

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.4	32.2
229	26.4	15.3	22.9#



Instrument :
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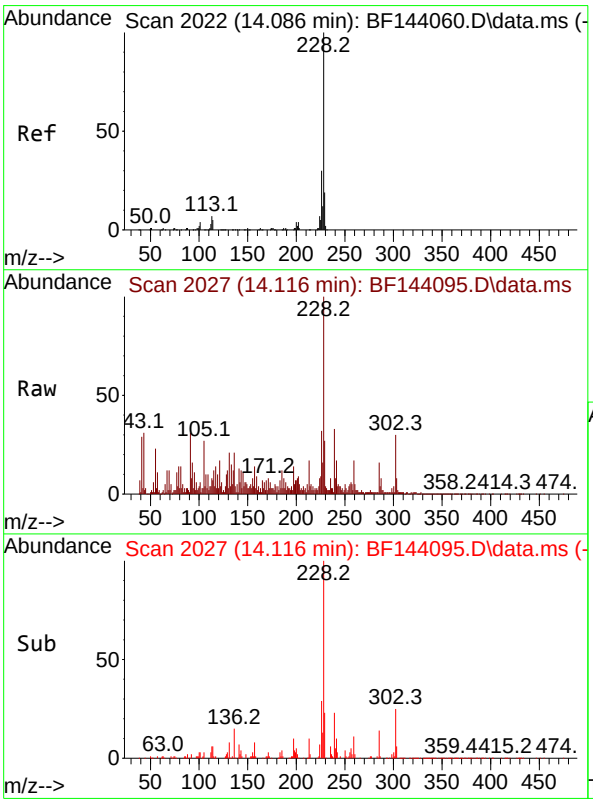
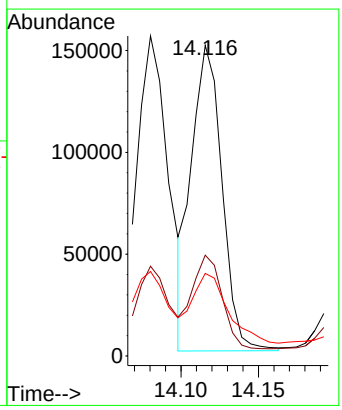
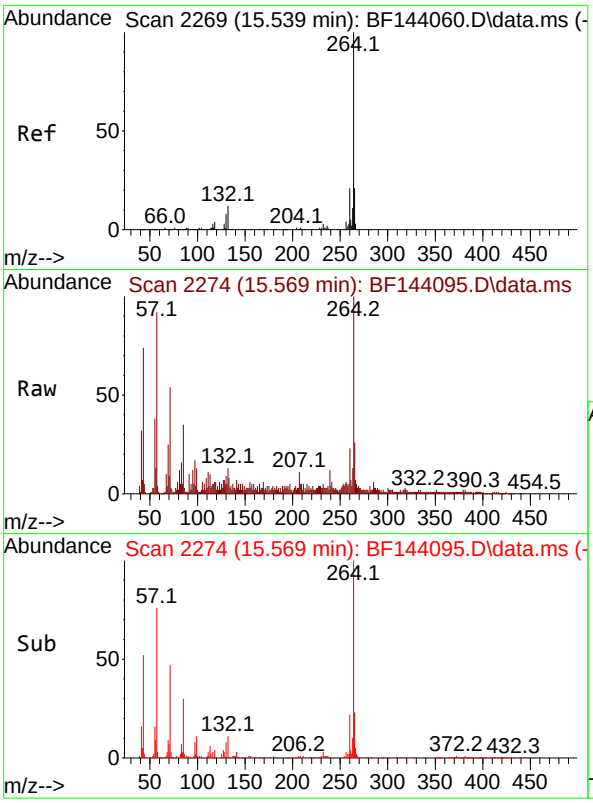


#83
Chrysene
Concen: 21.947 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:228 Resp: 206519

Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.8	35.6
229	26.6	15.6	23.4#

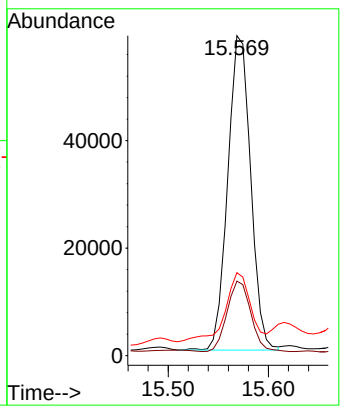




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:264 Resp: 9272

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.0	25.4
265	25.9	16.6	24.8



Instrument :
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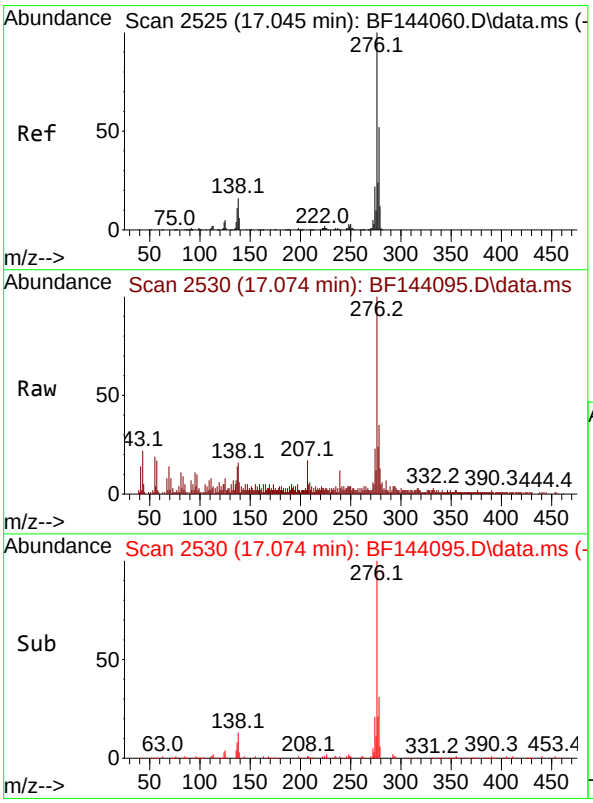
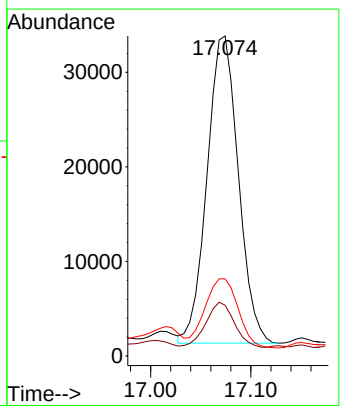
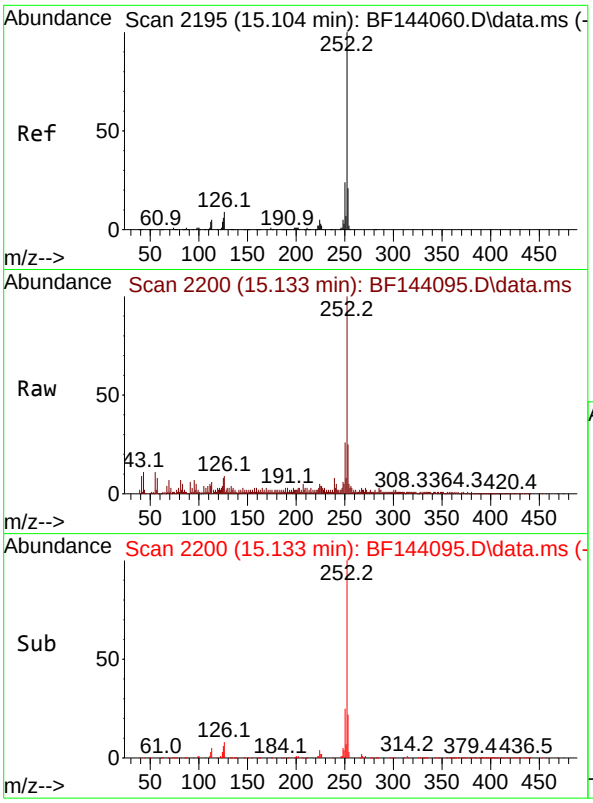


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.062 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:276 Resp: 70422

Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.0	19.6
277	24.2	19.4	29.0

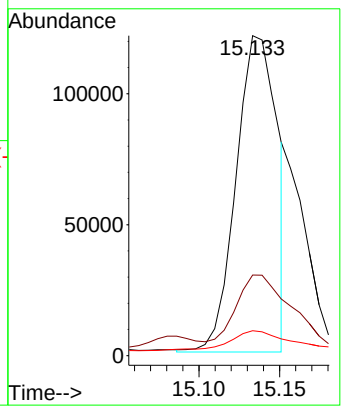




#88
Benzo(b)fluoranthene
Concen: 41.112 ng m
RT: 15.133 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:252 Resp: 21551

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	7.8	5.0	7.6#



Instrument :
BNA_F
ClientSampleId :
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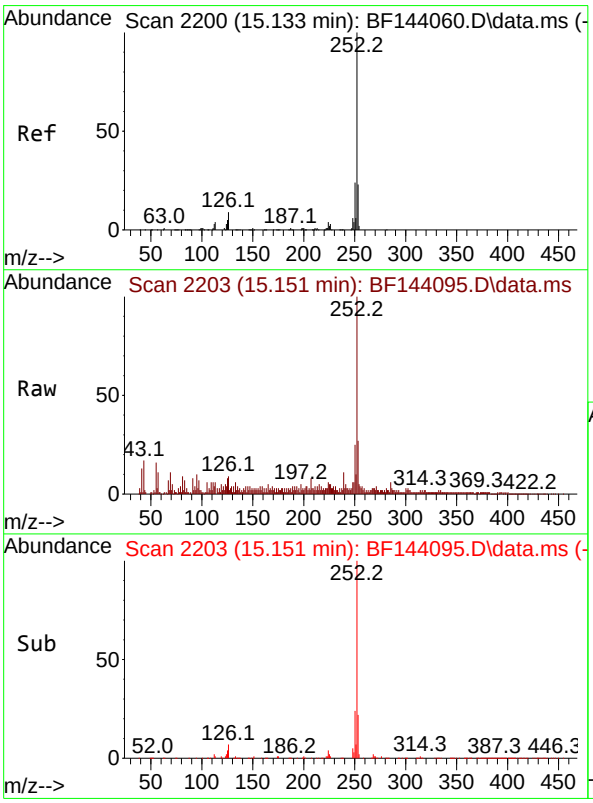
Manual Integrations
APPROVED

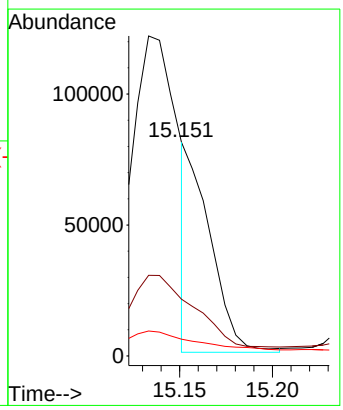
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

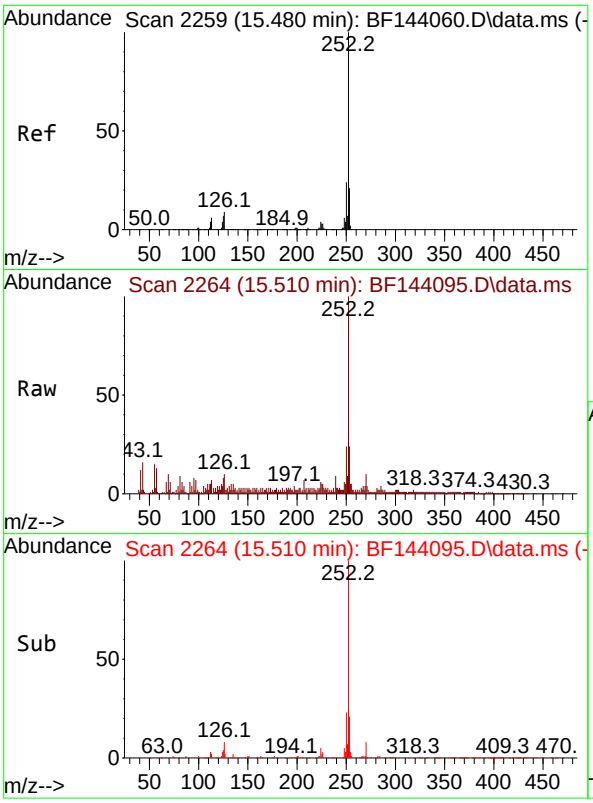


#89
Benzo(k)fluoranthene
Concen: 14.391 ng m
RT: 15.151 min Scan# 2203
Delta R.T. 0.018 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:252 Resp: 69604

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.2#
125	7.8	4.9	7.3#

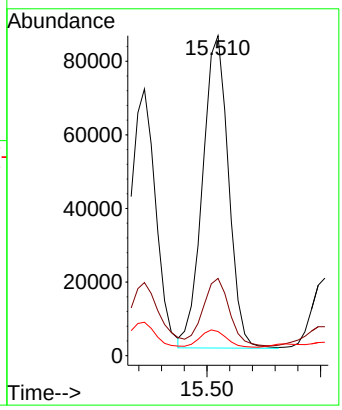




#90
Benzo(a)pyrene
Concen: 28.631 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:252 Resp: 13464

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	7.5	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

Manual Integrations
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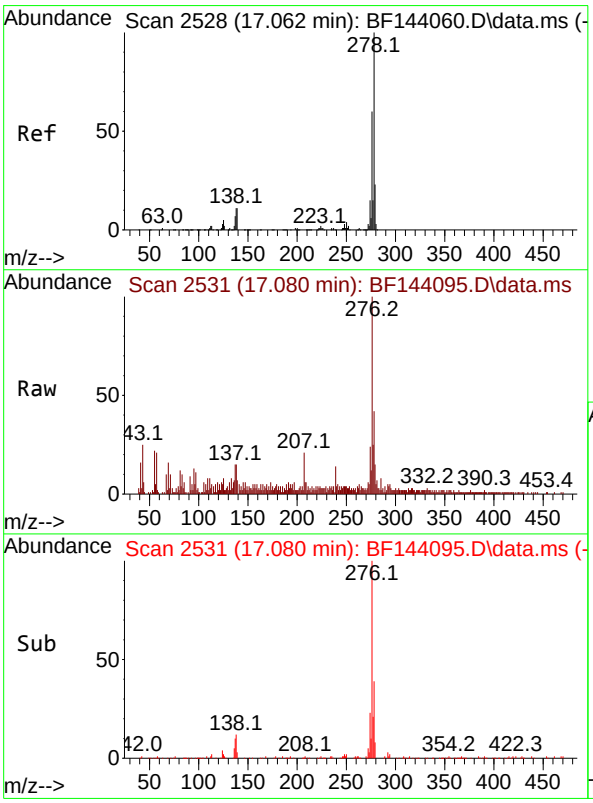
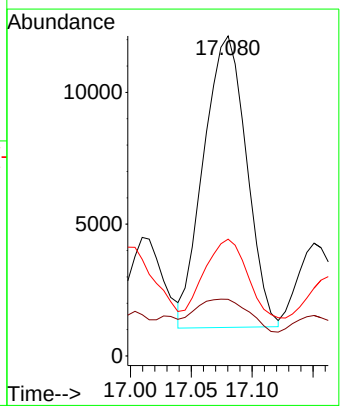
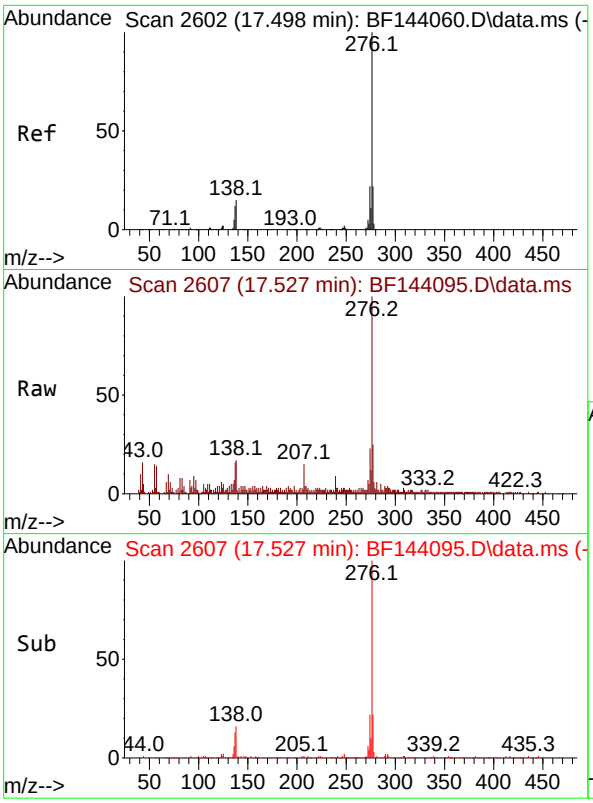


#91
Dibenzo(a,h)anthracene
Concen: 5.380 ng
RT: 17.080 min Scan# 2531
Delta R.T. 0.018 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:278 Resp: 27110

Ion	Ratio	Lower	Upper
278	100		
139	17.7	8.5	12.7#
279	36.5	18.6	28.0#

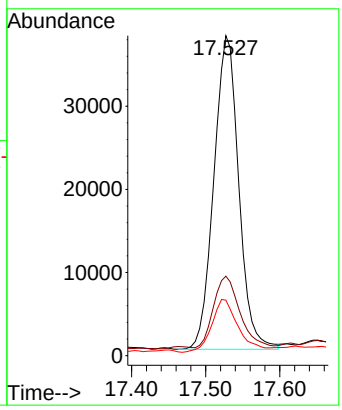




#92
Benzo(g,h,i)perylene
Concen: 17.372 ng
RT: 17.527 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF144095.D
Acq: 27 Oct 2025 21:02

Tgt Ion:276 Resp: 8801

Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	17.4	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

Sample Results: **BF144095.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

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

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

Signal : TIC: BF144095.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.493	552	561	576	rBV	317045	449046	1.55%	0.178%
2	6.504	728	733	746	rBV	322678	464470	1.60%	0.184%
3	6.881	792	797	804	rBV	242463	327501	1.13%	0.130%
4	7.440	884	892	902	rBV	211401	298101	1.03%	0.118%
5	8.163	1007	1015	1021	rBV	284463	379615	1.31%	0.150%
6	9.234	1192	1197	1204	rVB	425962	534809	1.85%	0.212%
7	9.916	1307	1313	1317	rBV2	329287	557337	1.92%	0.220%
8	10.251	1366	1370	1374	rBV	273199	325885	1.13%	0.129%
9	10.404	1391	1396	1401	rVB	230356	295287	1.02%	0.117%
10	10.598	1423	1429	1434	rBV	460359	729280	2.52%	0.288%
11	10.710	1444	1448	1456	rBV	229867	375308	1.30%	0.148%
12	11.192	1523	1530	1536	rBV3	392926	689297	2.38%	0.273%
13	11.369	1553	1560	1564	rBV3	355685	750366	2.59%	0.297%
14	11.439	1569	1572	1576	rVB2	402319	536507	1.85%	0.212%
15	11.563	1588	1593	1600	rVV3	566277	972986	3.36%	0.385%
16	11.639	1601	1606	1609	rVV2	757976	1216565	4.20%	0.481%
17	11.675	1609	1612	1616	rVV3	757455	1479593	5.11%	0.585%
18	11.710	1616	1618	1622	rVV4	592144	866680	2.99%	0.343%
19	11.751	1622	1625	1628	rVV2	388167	674959	2.33%	0.267%
20	11.810	1628	1635	1639	rVV2	1986445	3841116	13.26%	1.519%
21	11.845	1639	1641	1648	rVV3	973486	1970893	6.81%	0.780%
22	11.910	1648	1652	1657	rVV	1610564	2712249	9.37%	1.073%
23	11.975	1657	1663	1665	rVV4	1246755	2729806	9.43%	1.080%
24	12.016	1665	1670	1674	rVV5	3551746	7629748	26.35%	3.018%
25	12.057	1674	1677	1683	rVV4	2744913	5531283	19.10%	2.188%
26	12.122	1683	1688	1692	rVV2	3819853	7659793	26.45%	3.029%
27	12.180	1695	1698	1701	rVV	3199161	5832697	20.14%	2.307%
28	12.233	1701	1707	1712	rVV3	7697881	17429432	60.18%	6.893%
29	12.298	1712	1718	1727	rVV4	2698744	6844565	23.63%	2.707%
30	12.404	1727	1736	1741	rVV2	7865746	18414653	63.59%	7.283%
31	12.480	1741	1749	1754	rVV	7357403	17585529	60.72%	6.955%
32	12.539	1754	1759	1761	rVV	3624799	6587326	22.75%	2.605%
33	12.569	1761	1764	1768	rVV	3778713	5223355	18.04%	2.066%
34	12.604	1768	1770	1771	rVV2	599075	587341	2.03%	0.232%
35	12.628	1771	1774	1778	rVV2	927875	1256682	4.34%	0.497%
36	12.716	1778	1789	1793	rVV3	7042962	17284136	59.68%	6.836%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

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

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

37	12.763	1793	1797	1802	rVV2	2403812	3997813	13.80%	1.581%
38	12.816	1802	1806	1814	rVV2	2499691	4498503	15.53%	1.779%
39	12.892	1815	1819	1825	rVV4	945142	2235083	7.72%	0.884%
40	12.945	1825	1828	1832	rVB	1453731	1837195	6.34%	0.727%
41	13.016	1832	1840	1844	rBV2	5618832	12110468	41.82%	4.790%
42	13.051	1844	1846	1851	rVB5	1055687	1469793	5.08%	0.581%
43	13.204	1860	1872	1880	rBV	8429132	23955304	82.72%	9.474%
44	13.310	1886	1890	1897	rVB4	1207934	1940314	6.70%	0.767%
45	13.410	1903	1907	1910	rBV3	1058572	1419382	4.90%	0.561%
46	13.486	1910	1920	1924	rVV5	3000163	7658904	26.45%	3.029%
47	13.545	1924	1930	1935	rVB	5177383	10059030	34.73%	3.978%
48	13.727	1957	1961	1965	rBV2	700387	1155451	3.99%	0.457%
49	13.792	1967	1972	1978	rVV6	1049948	2748026	9.49%	1.087%
50	13.863	1979	1984	1987	rVV3	1596227	3234411	11.17%	1.279%
51	13.986	1989	2005	2014	rVB	6570344	28960659	100.00%	11.454%
52	14.110	2023	2026	2034	rVB3	1362215	2071290	7.15%	0.819%
53	14.227	2043	2046	2054	rVB	464335	653649	2.26%	0.259%
54	15.574	2271	2275	2280	rVB	307019	443474	1.53%	0.175%
55	15.998	2342	2347	2354	rBV4	414224	859989	2.97%	0.340%
56	16.068	2355	2359	2362	rBV	291545	487502	1.68%	0.193%

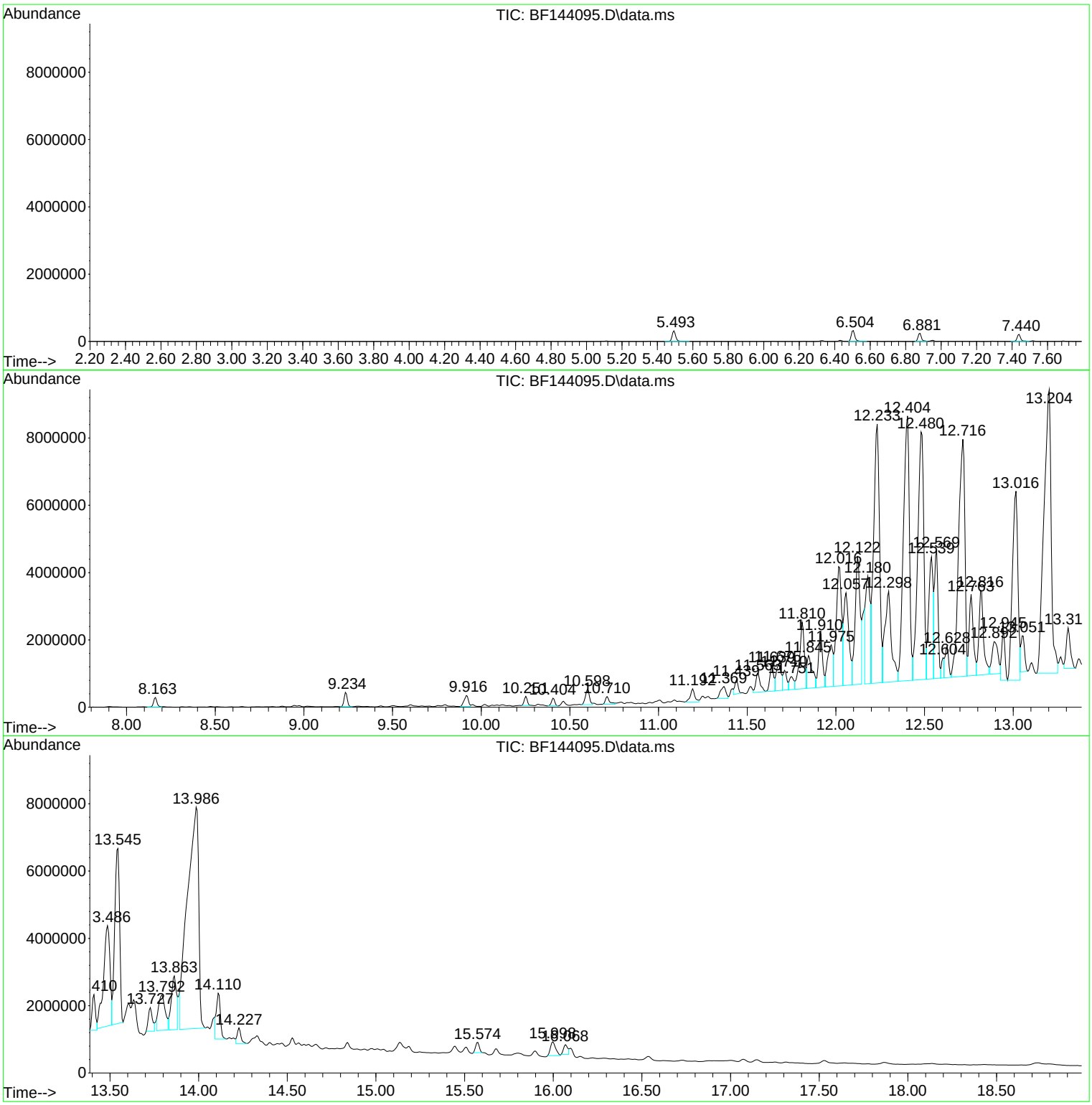
Sum of corrected areas: 252840436

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

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



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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On    : 27 Oct 2025  21:02
Operator  : RC/JU
Sample    : Q3447-07 2X
Misc      :
ALS Vial  : 23   Sample Multiplier: 1

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

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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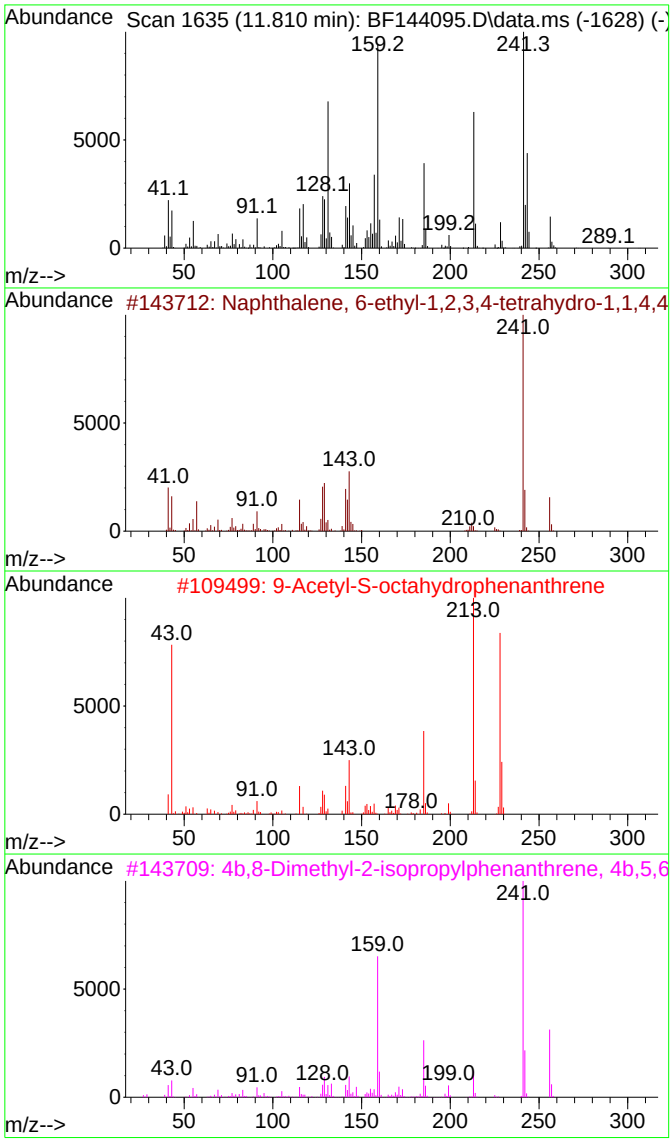
Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

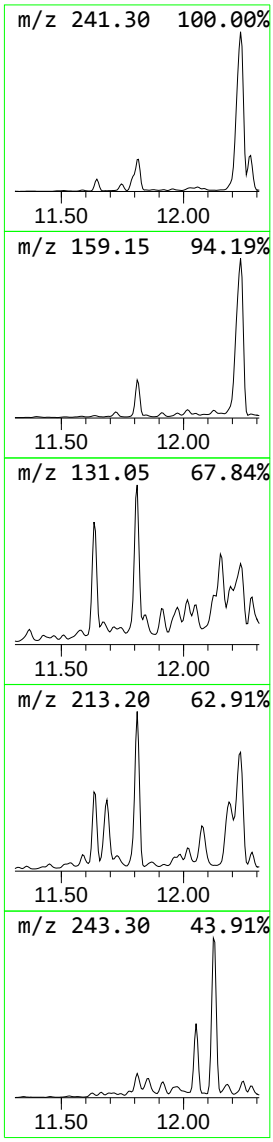
****

Peak Number 1 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	143.19 ng	3841120	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	92
2	9-Acetyl-S-octahydrophenanthrene	228	C16H20O	1000255-16-9	62
3	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	45
4	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	38
5	3-Chloro-9-formylacridine	241	C14H8ClNO	050438-61-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

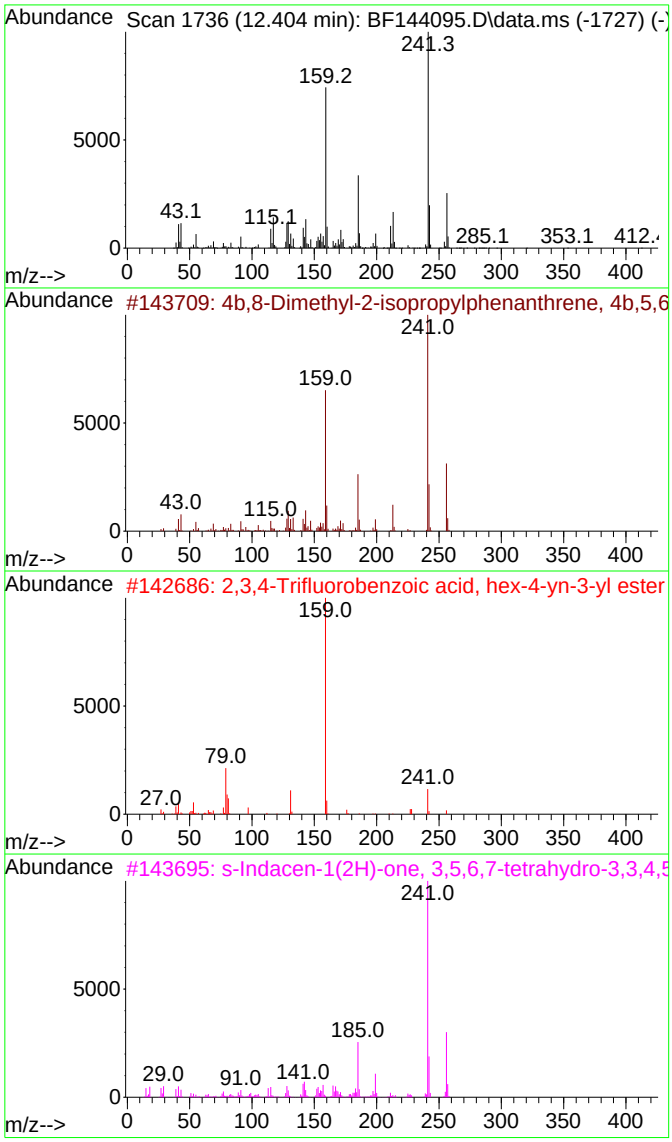
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

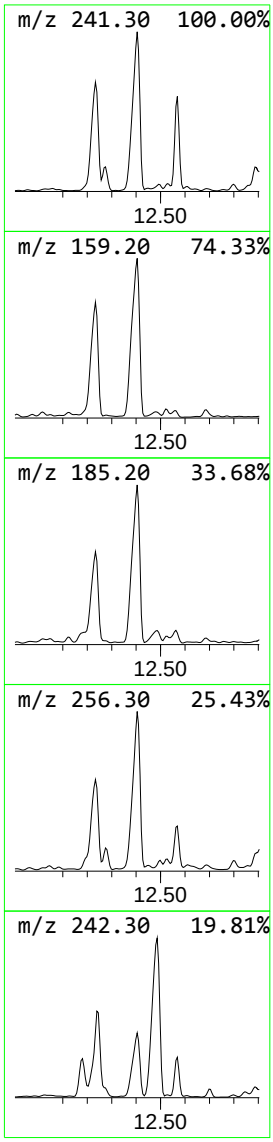
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	686.47 ng	18414700	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	99
2	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	59
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	55
4	2,5-Bis((trimethylsilyl)oxy)pyra...	256	C10H20N2O2Si2	362516-09-4	38
5	Sebacic acid, butyl 2,4-dimethyl...	356	C21H40O4	1000355-42-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

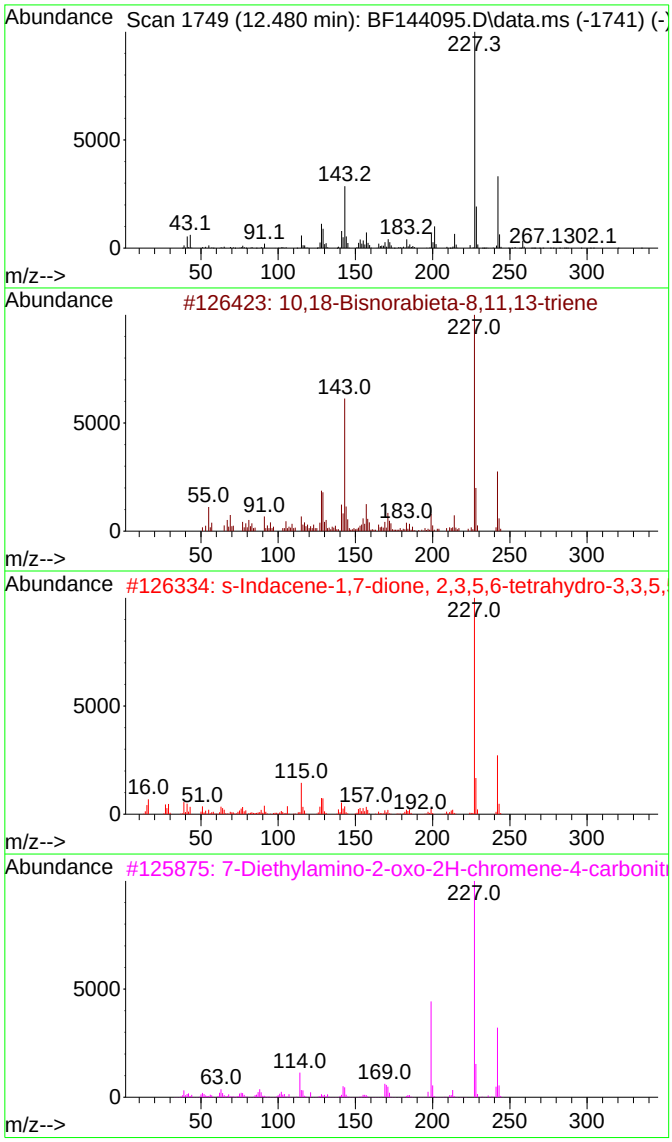
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

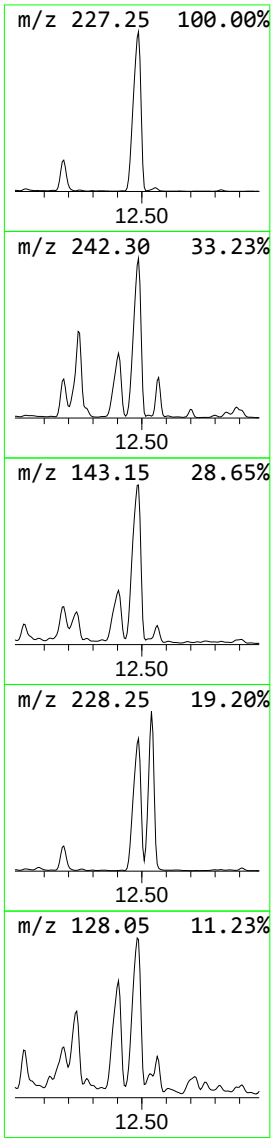
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 10,18-Bisnorabieta-8,11,13-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	655.56 ng	17585500	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	93
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	74
3	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	64
4	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	771575-52-1	53
5	1-Dimethylphenylsilyloxy-3-methy...	242	C15H18OSi	1000307-90-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

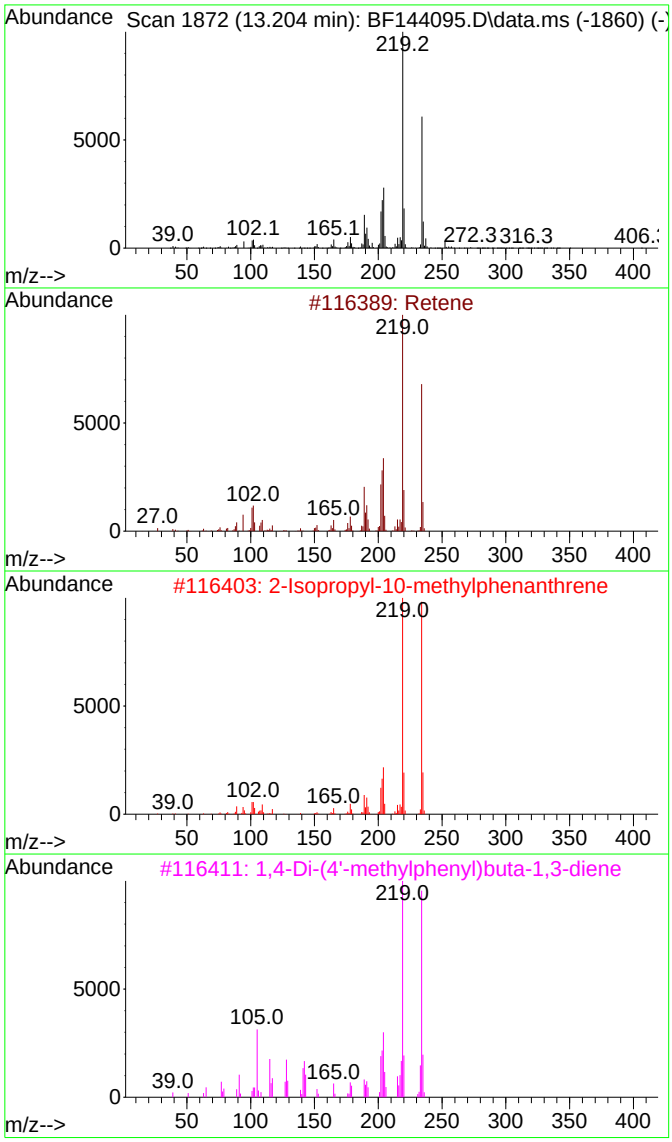
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

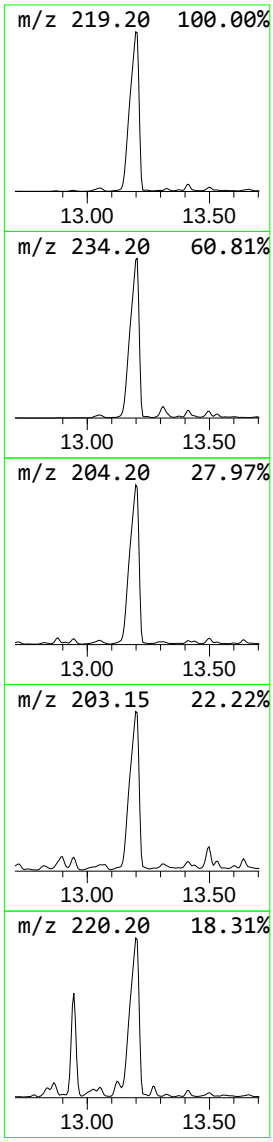
****

Peak Number 16 Retene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	231.31 ng	23955300	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	78
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	62
5	3-(3-Fluorophenyl)-1H-pyrazole, TMS	234	C12H15FN2Si	1000507-49-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

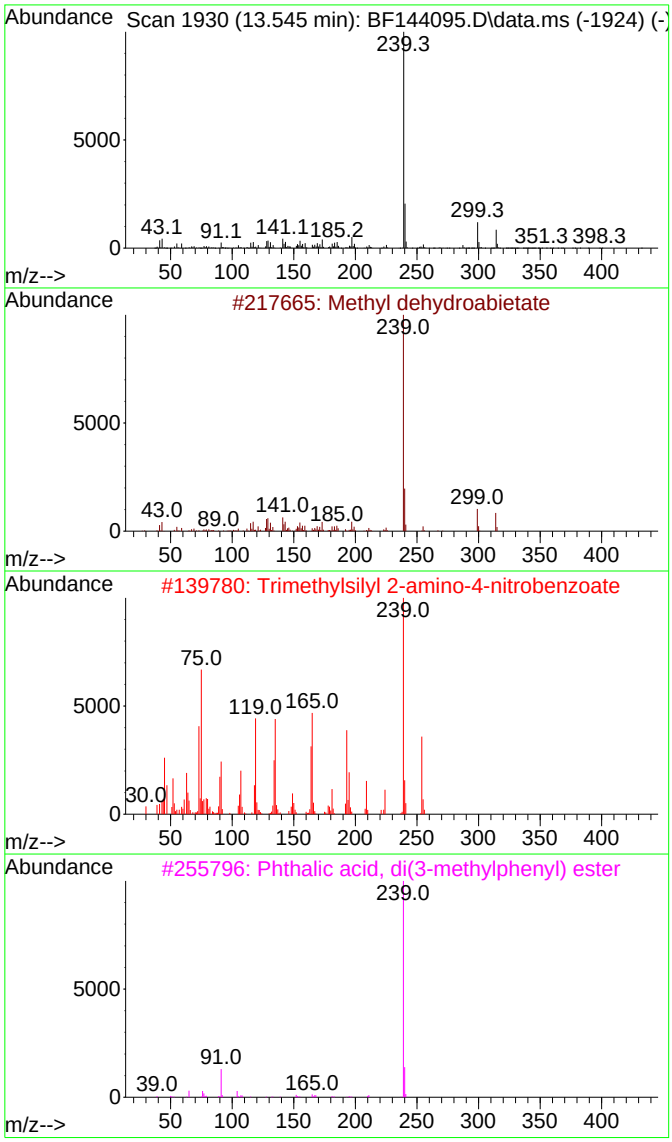
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

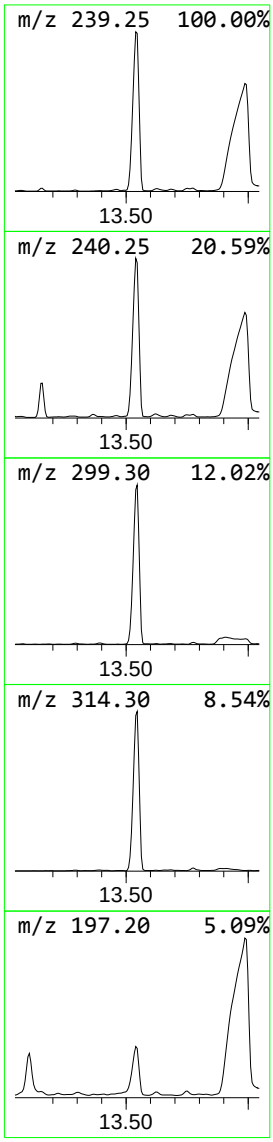
****

Peak Number 18 Methyl dehydroabietate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.545	97.13 ng	10059000	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	96
2	Trimethylsilyl 2-amino-4-nitrobe...	254	C10H14N2O4Si	1000473-63-5	76
3	Phthalic acid, di(3-methylphenyl...	346	C22H18O4	1000315-37-3	45
4	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	45
5	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

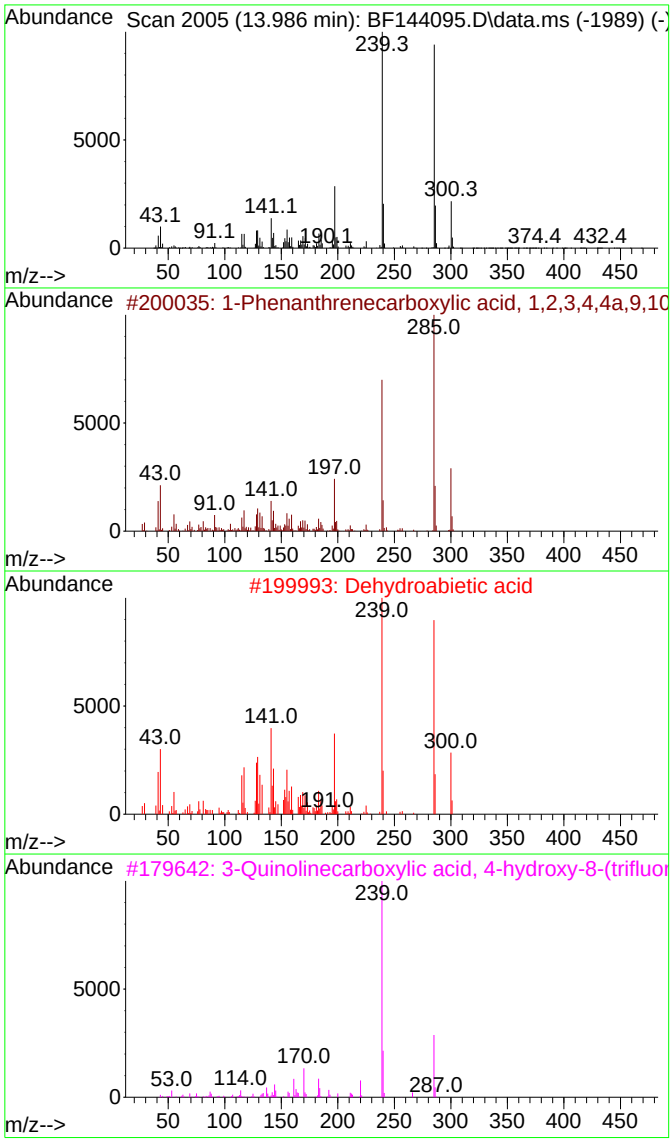
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

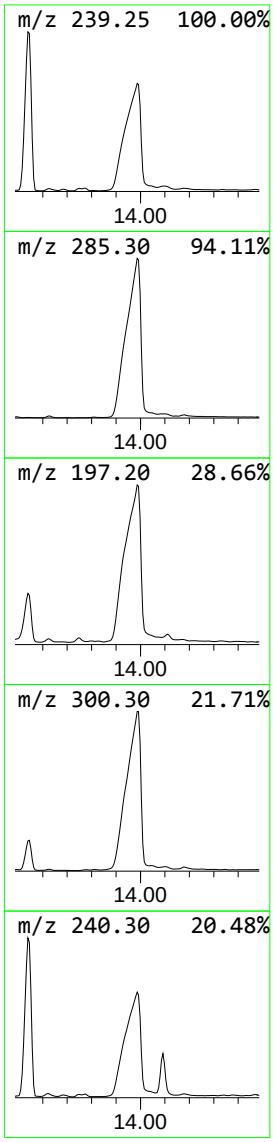
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1-Phenanthrenecarboxylic ac... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.986	279.64 ng	28960700	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	99
2	Dehydroabietic acid	300	C20H28O2	001740-19-8	98
3	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	59
4	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	59
5	3-(Adamantan-1-yl)-5-tert-butylb...	300	C20H28O2	1000444-96-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144095.D
Acq On : 27 Oct 2025 21:02
Operator : RC/JU
Sample : Q3447-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW4-251023-01

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 6-...	11.810	143.2	ng	3841120	4	11.416	536507	20.0
4b,8-Dimethyl-2...	12.404	686.5	ng	18414700	4	11.416	536507	20.0
10,18-Bisnorabi...	12.480	655.6	ng	17585500	4	11.416	536507	20.0
Retene	13.204	231.3	ng	23955300	5	14.092	2071290	20.0
Methyl dehydroa...	13.545	97.1	ng	10059000	5	14.092	2071290	20.0
1-Phenanthrenec...	13.986	279.6	ng	28960700	5	14.092	2071290	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

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

Calibration Files
2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF1440
63.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58
3)		Pyridine		1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19
4)		n-Nitrosodimet...			0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98
5)	S	2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76
6)		Aniline		2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36
7)	S	Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56
8)		2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17
9)		Benzaldehyde			1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28
10)	C	Phenol		1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41
11)		bis(2-Chloroet...		1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72
12)		1,3-Dichlorobe...		1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66
13)	C	1,4-Dichlorobe...		1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52
14)		1,2-Dichlorobe...		1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81
15)		Benzyl Alcohol			1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47
16)		2,2'-oxybis(1-...		2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08
17)		2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89
18)		Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21
19)	P	n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20)		3+4-Methylphenols			1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41
23)	S	Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48
24)		Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05
25)		Isophorone		0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29
26)	C	2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96
27)		2,4-Dimethylph...		0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73
28)		bis(2-Chloroet...		0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25
29)	C	2,4-Dichloroph...		0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75
30)		1,2,4-Trichlor...		0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19
31)		Naphthalene		1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72
32)		Benzoic acid			0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81
33)		4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10
34)	C	Hexachlorobuta...		0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19
35)		Caprolactam			0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03
36)	C	4-Chloro-3-met...		0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98
37)		2-Methylnaphth...		0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55
38)		1-Methylnaphth...		0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

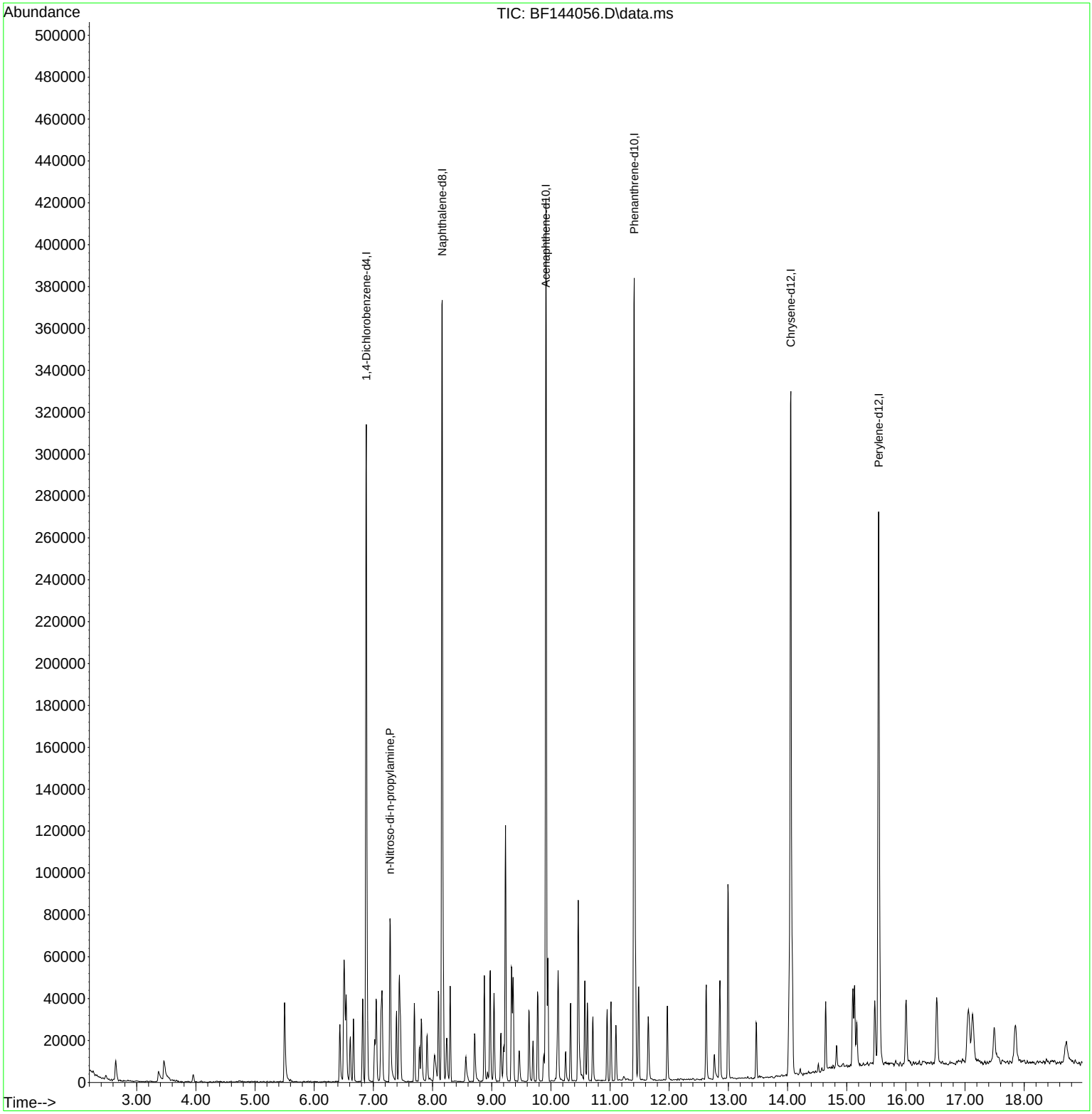
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63395	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	236986	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	128411	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216866	20.000	ng	0.00
76) Chrysene-d12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

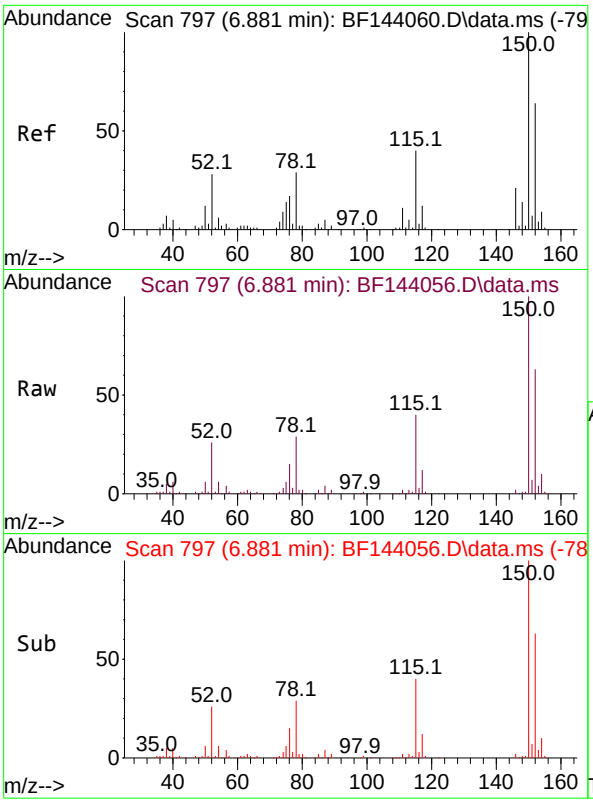
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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



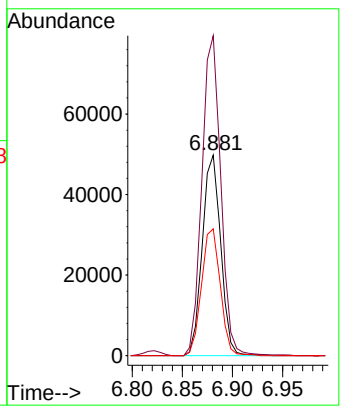


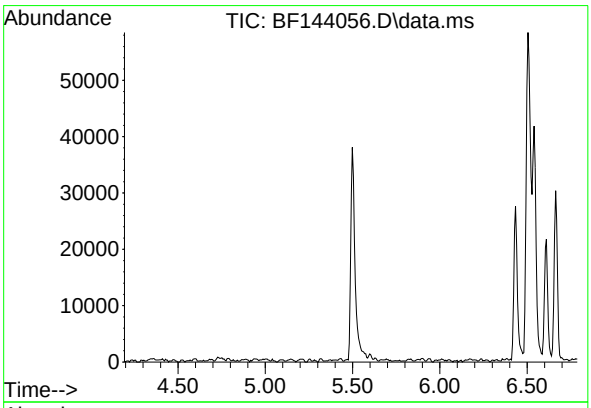
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 63395

Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.4	186.6
115	63.2	49.4	74.0



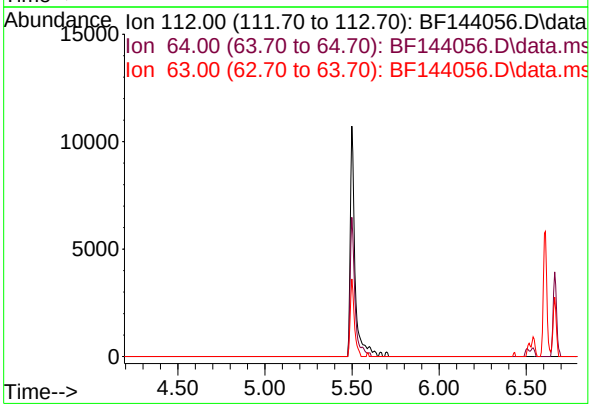


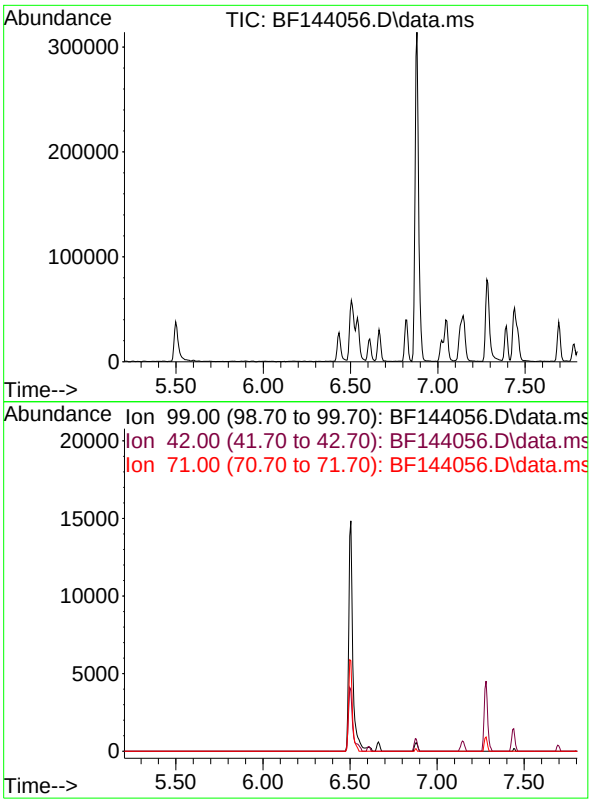
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	34.3





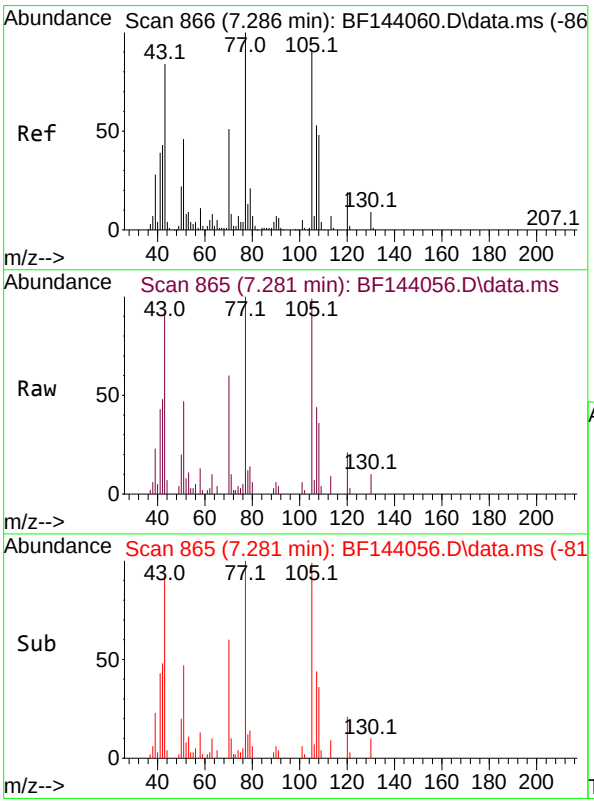
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

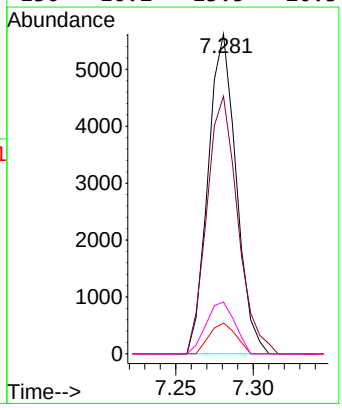
Sig	Exp Ratio
99	100
42	29.9
71	43.0

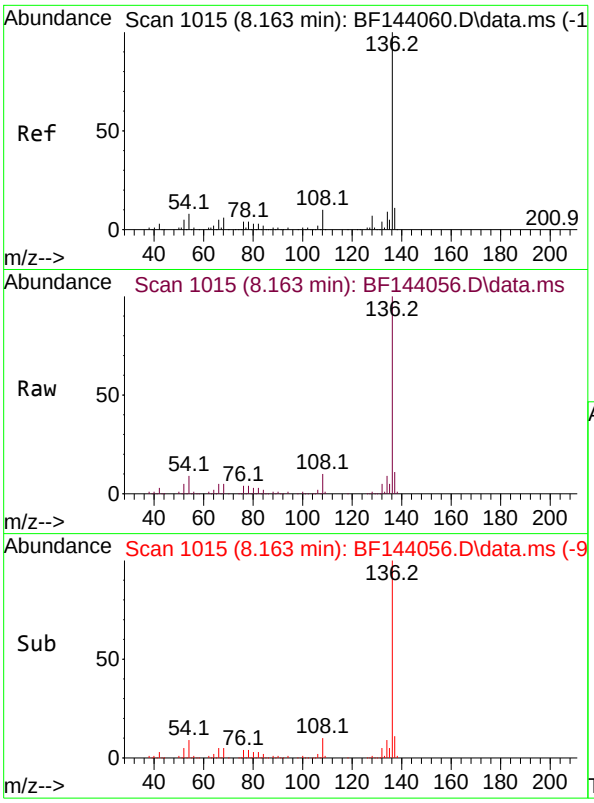


#19
n-Nitroso-di-n-propylamine
Concen: 2.493 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Tgt Ion: 70 Resp: 7133

Ion	Ratio	Lower	Upper
70	100		
42	80.5	67.4	101.0
101	9.6	7.1	10.7
130	16.2	13.5	20.3



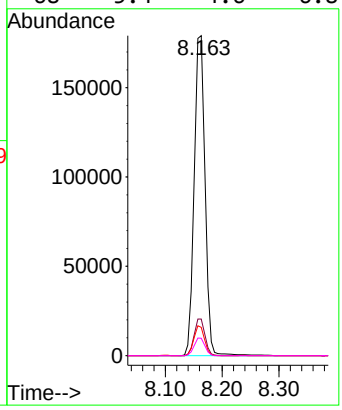


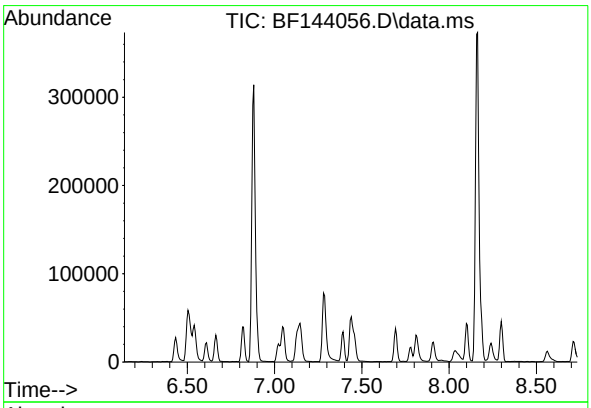
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 236986

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.8	6.6	9.8
68	5.4	4.6	6.8



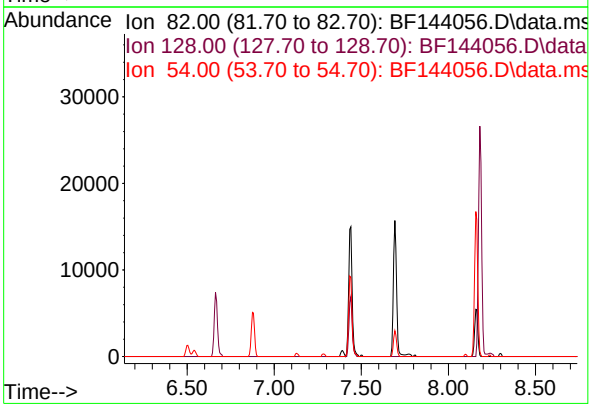


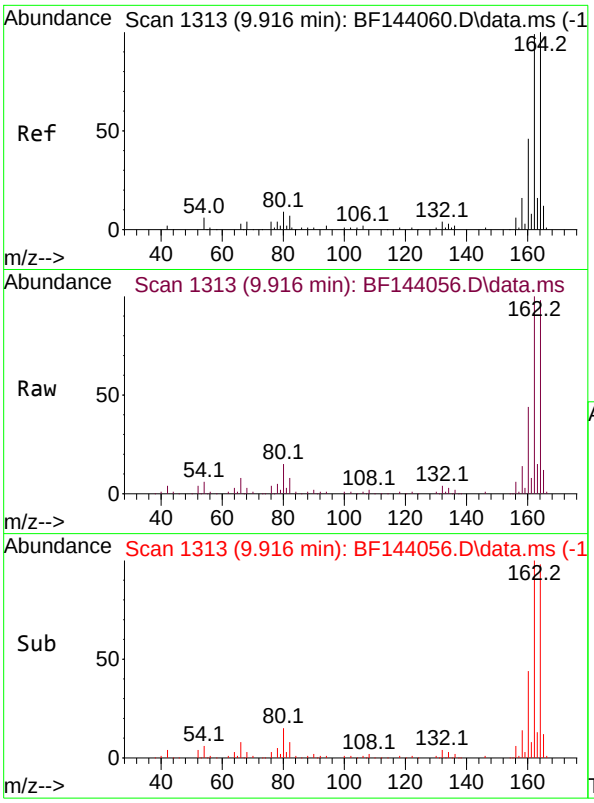
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.44 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.5
54	67.5



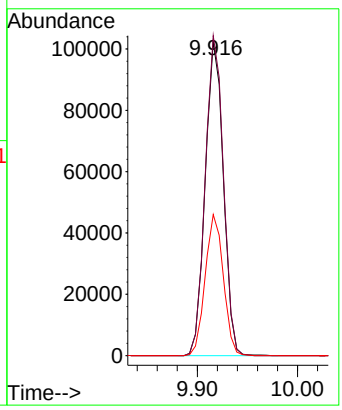


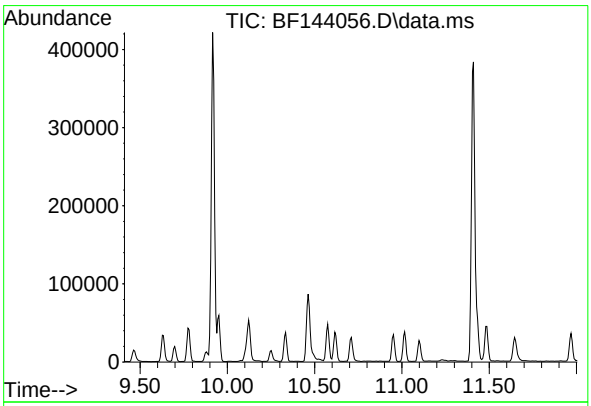
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 128411

Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.4	119.2
160	44.9	36.7	55.1



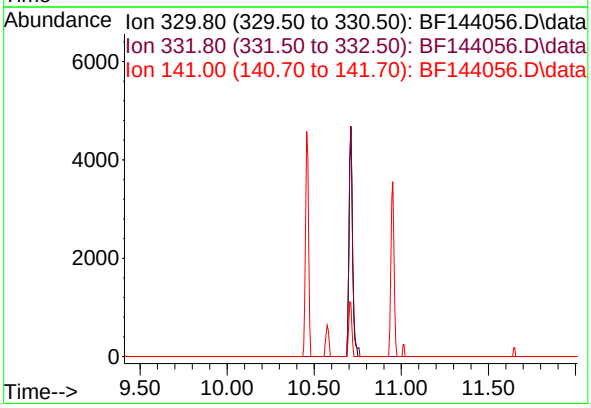


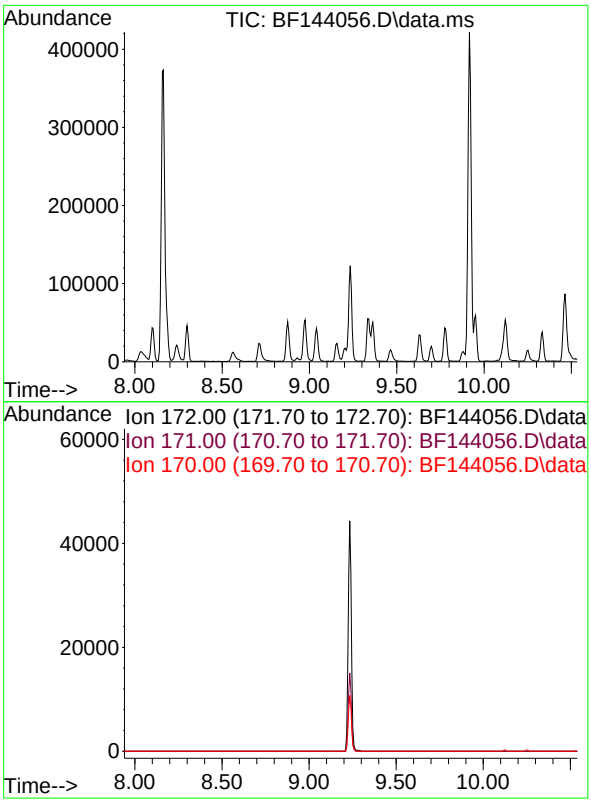
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.71 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	24.2





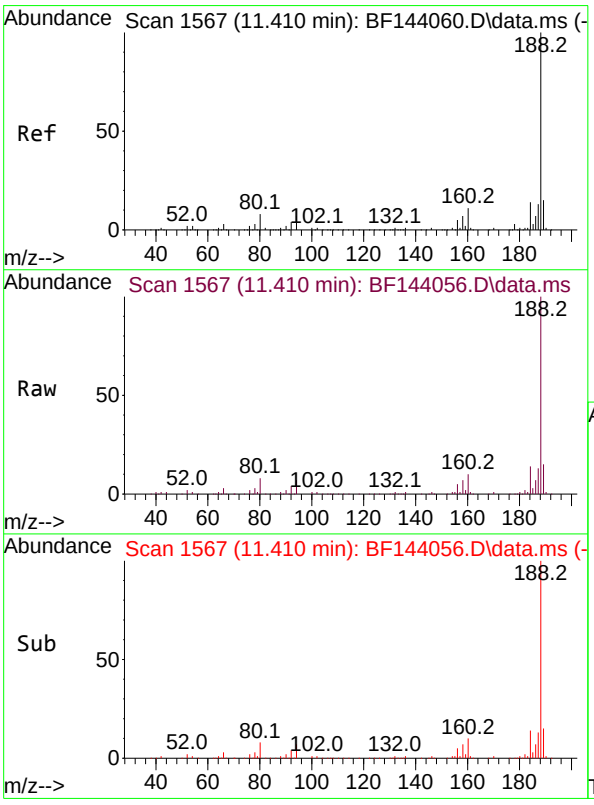
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

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

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.4
170	23.8

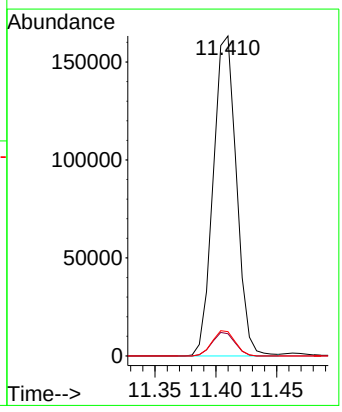
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

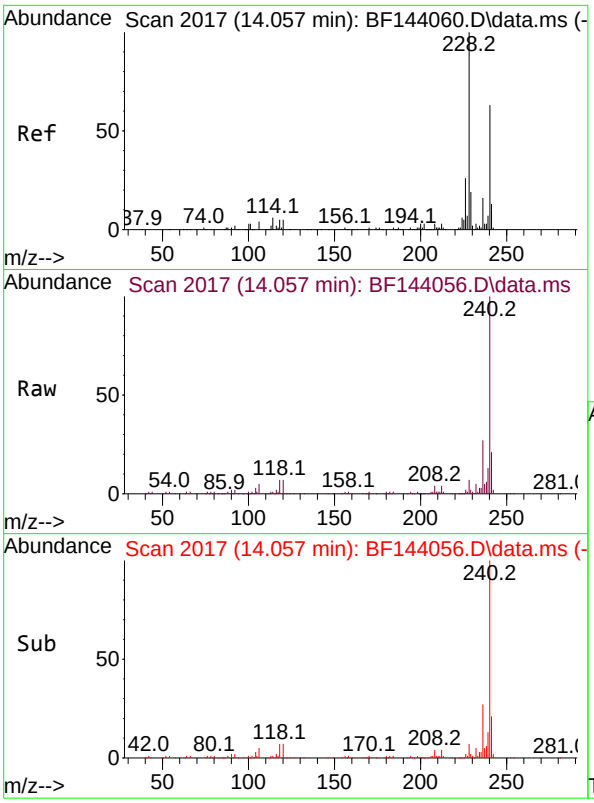


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Tgt Ion:188 Resp: 216866

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.4	8.0
80	7.6	6.0	9.0



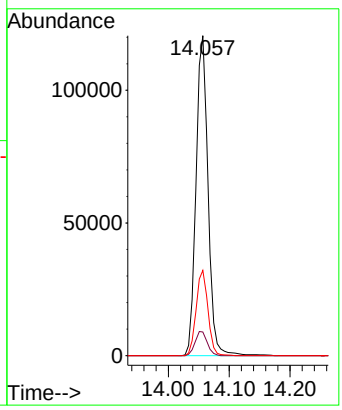


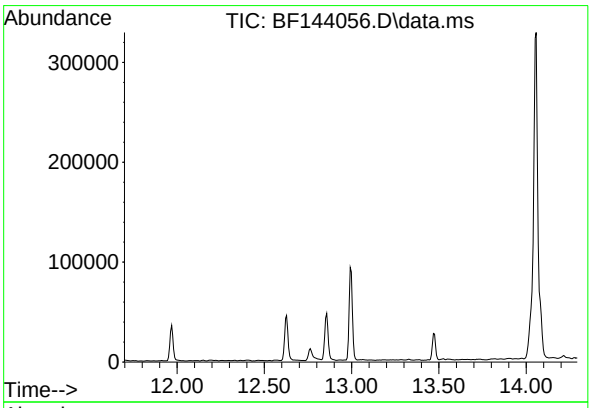
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 165196

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.5	9.7
236	26.6	20.1	30.1



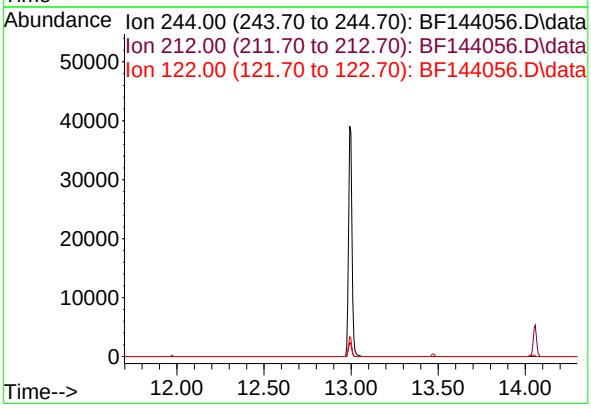


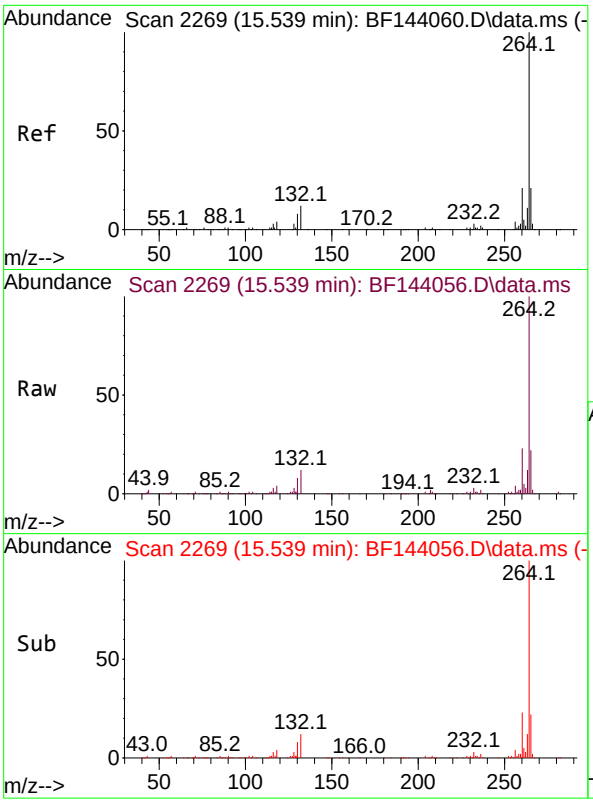
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	6.1



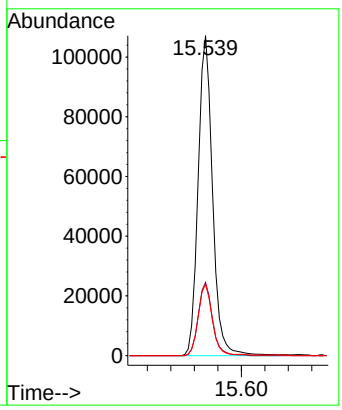


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 182261

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.0	25.4
265	22.3	16.6	24.8



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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

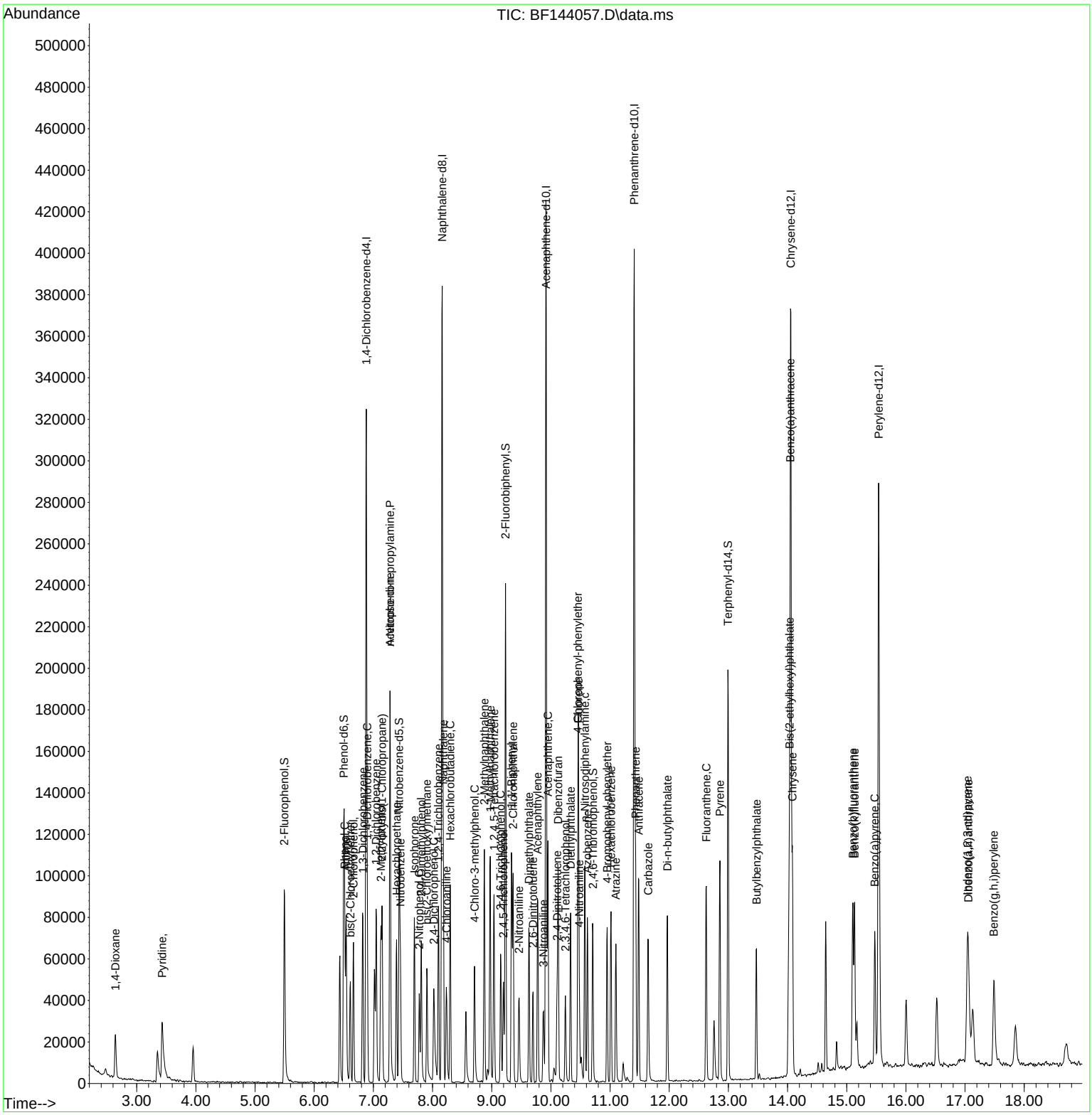
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	35769	5.208	ng		98
53) 3-Nitroaniline	9.875	138	8780	4.792	ng		97
55) Dibenzofuran	10.122	168	53591	5.620	ng		95
57) 2,4-Dinitrotoluene	10.104	165	9591	4.312	ng	#	94
58) Fluorene	10.469	166	43217	5.948	ng		98
59) 2,3,4,6-Tetrachlorophenol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

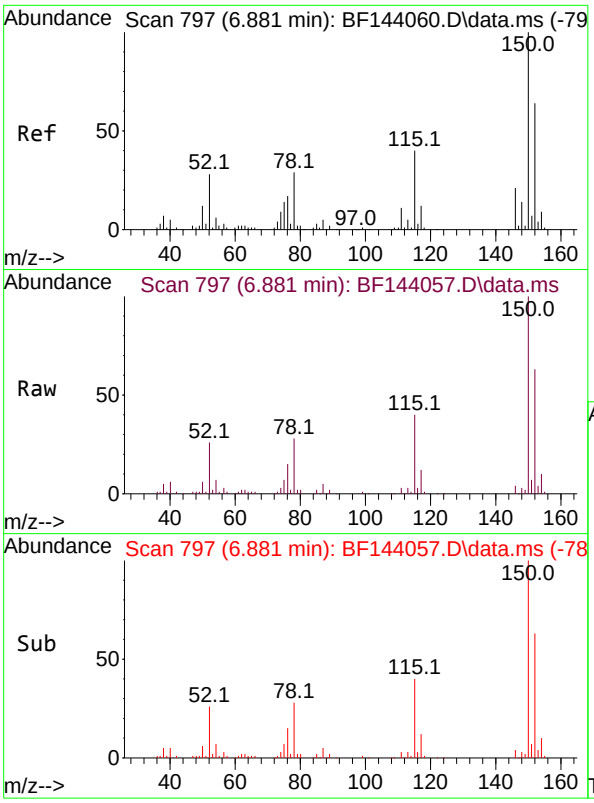
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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



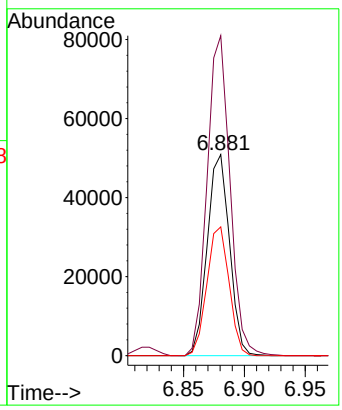


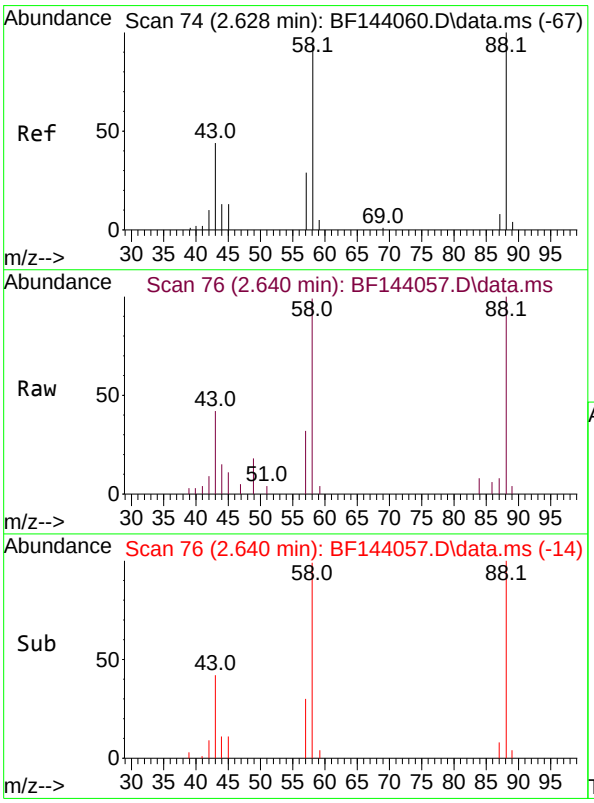
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 64729

Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.4	186.6
115	64.1	49.4	74.0

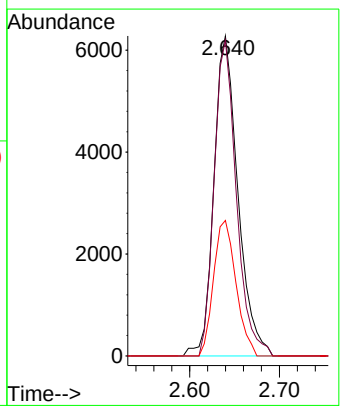


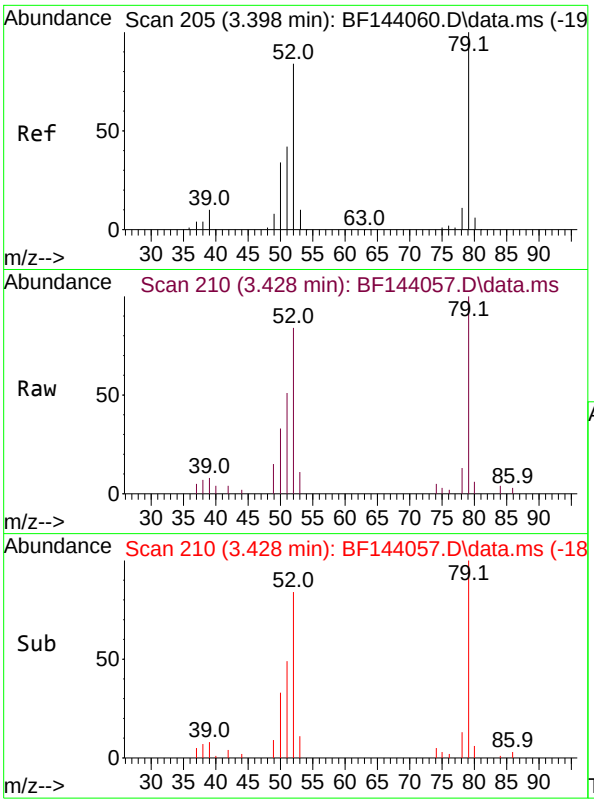


#2
1,4-Dioxane
Concen: 6.619 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.012 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 88 Resp: 11703

Ion	Ratio	Lower	Upper
88	100		
58	91.4	76.5	114.7
43	39.6	35.3	52.9



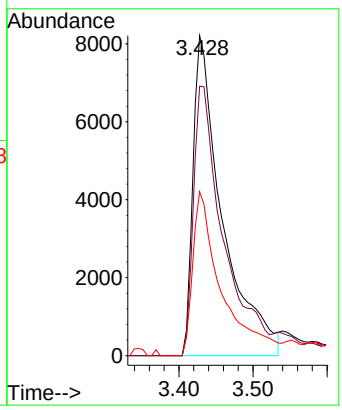


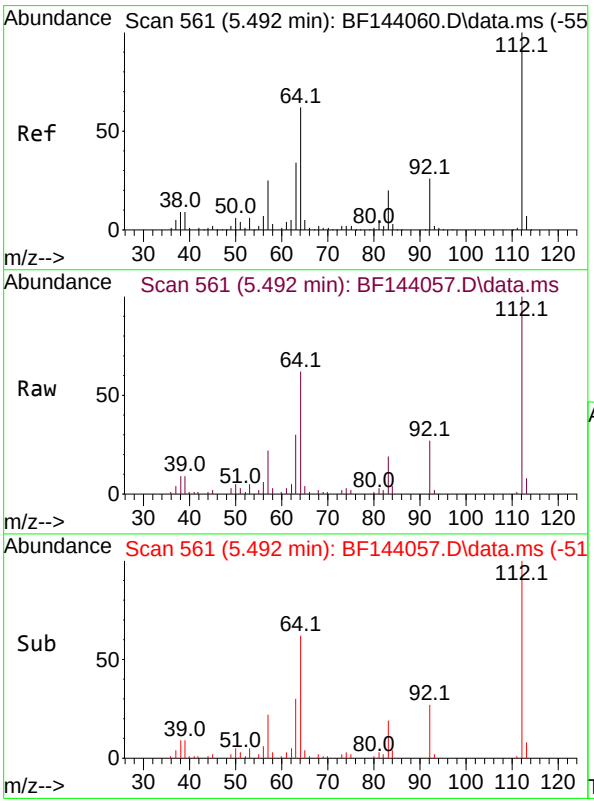
#3
Pyridine
Concen: 4.769 ng
RT: 3.428 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 22571

Ion	Ratio	Lower	Upper
79	100		
52	84.2	67.5	101.3
51	51.2	33.6	50.4#

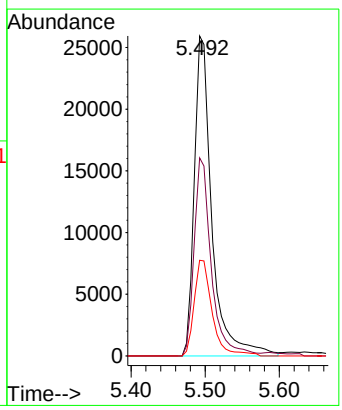


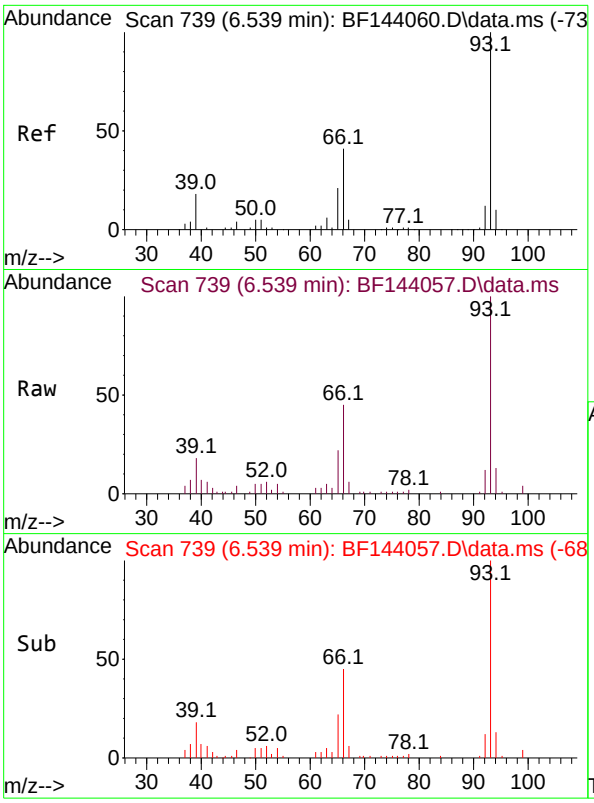


#5
2-Fluorophenol
Concen: 10.471 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:112 Resp: 42841

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	29.9	27.4	41.2



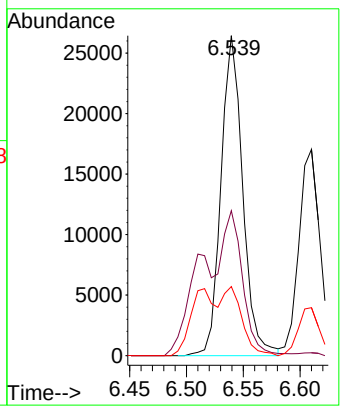


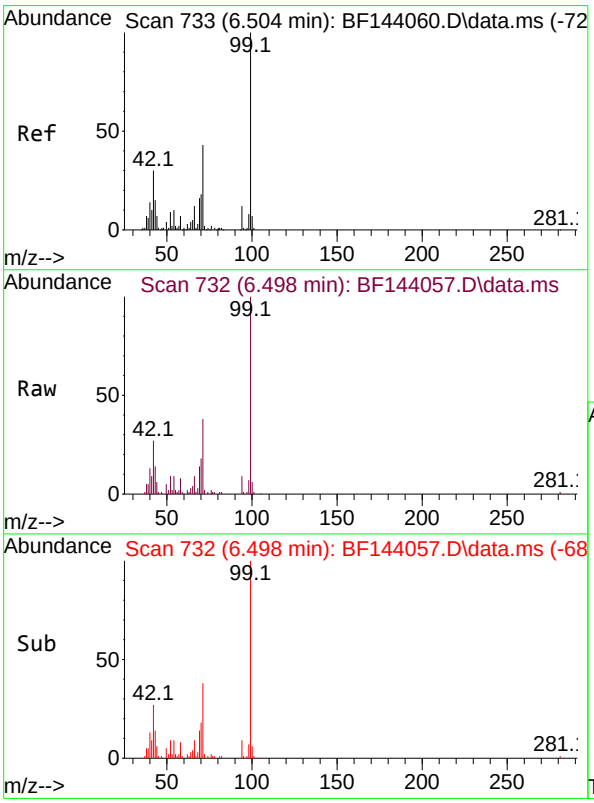
#6
Aniline
Concen: 5.441 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 35169

Ion	Ratio	Lower	Upper
93	100		
66	45.3	35.7	53.5
65	21.6	17.0	25.6

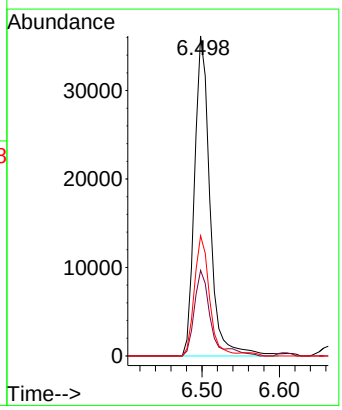


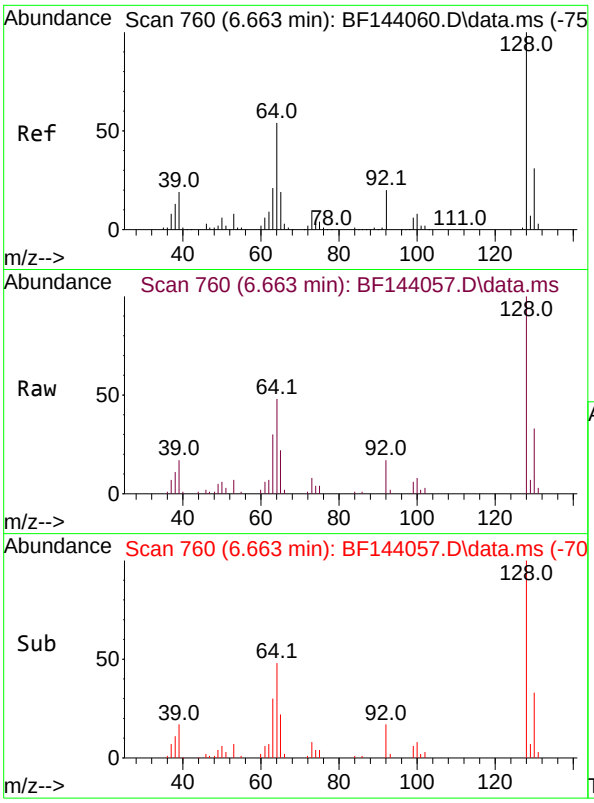


#7
Phenol-d6
Concen: 11.088 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 99 Resp: 50099

Ion	Ratio	Lower	Upper
99	100		
42	26.7	23.9	35.9
71	37.5	34.4	51.6



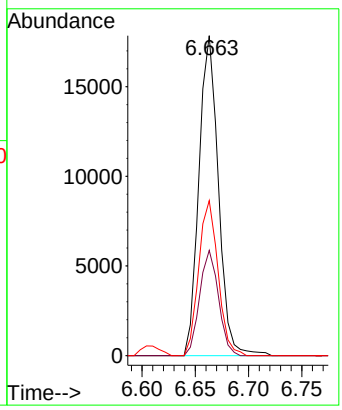


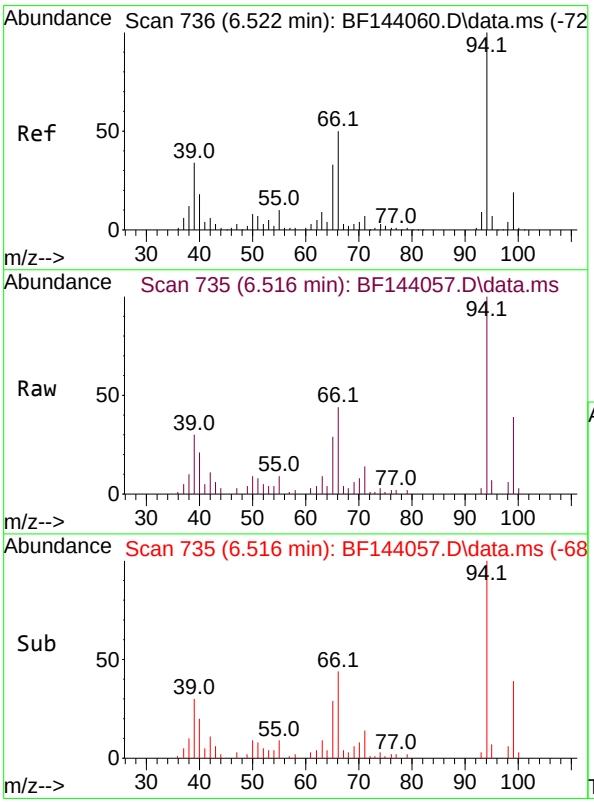
#8
2-Chlorophenol
Concen: 5.615 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 22623

Ion	Ratio	Lower	Upper
128	100		
130	32.9	10.7	50.7
64	48.4	34.7	74.7

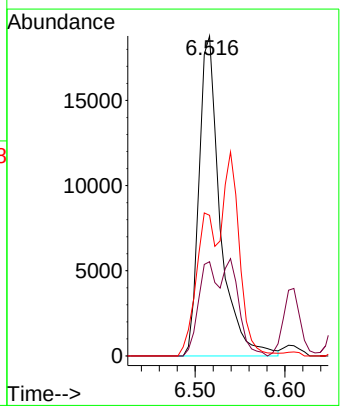


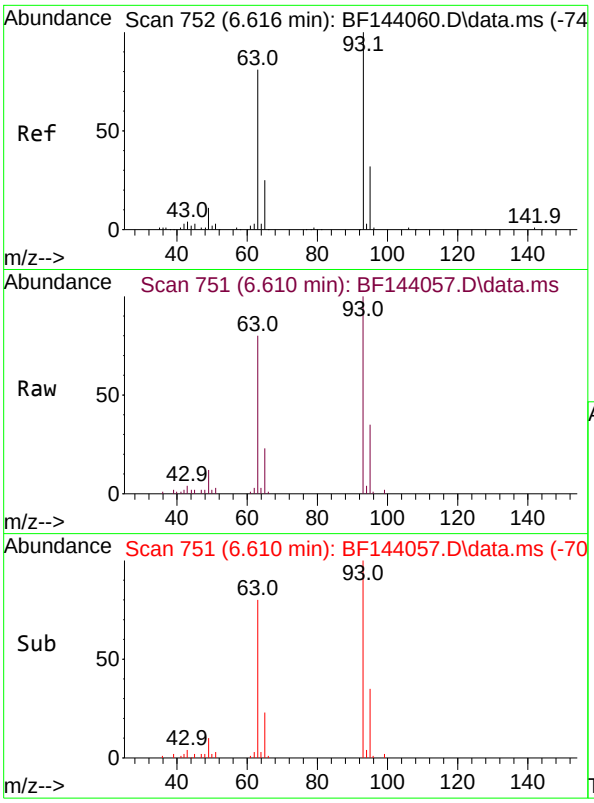


#10
Phenol
Concen: 5.505 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 94 Resp: 30686

Ion	Ratio	Lower	Upper
94	100		
65	29.4	13.1	53.1
66	43.9	30.6	70.6



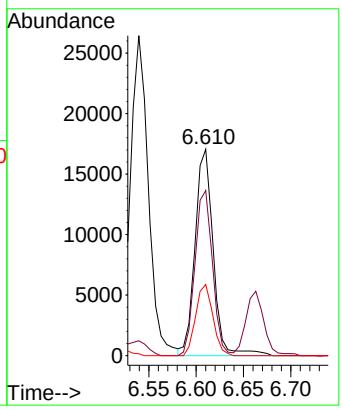


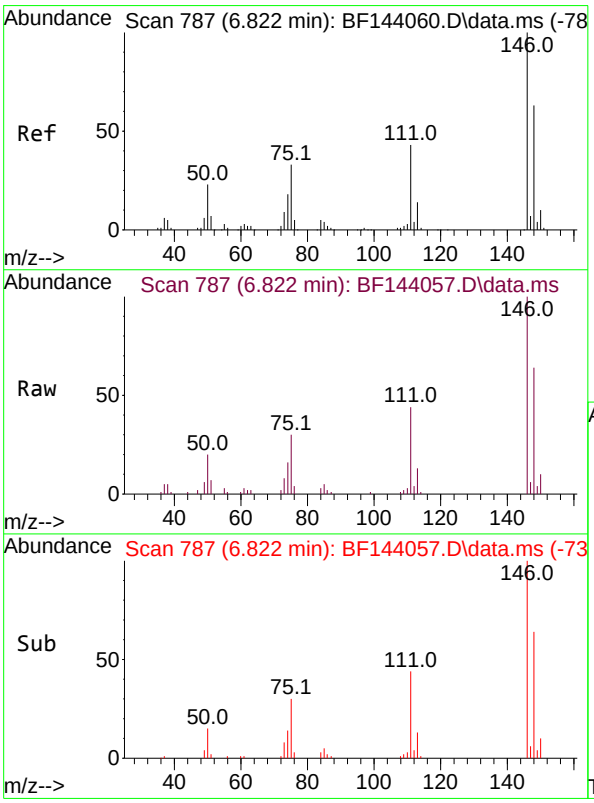
#11
bis(2-Chloroethyl)ether
Concen: 5.650 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 22757

Ion	Ratio	Lower	Upper
93	100		
63	80.0	60.2	100.2
95	34.5	12.4	52.4

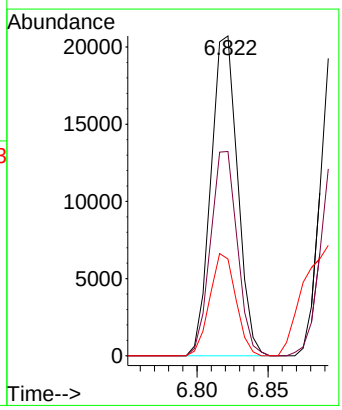


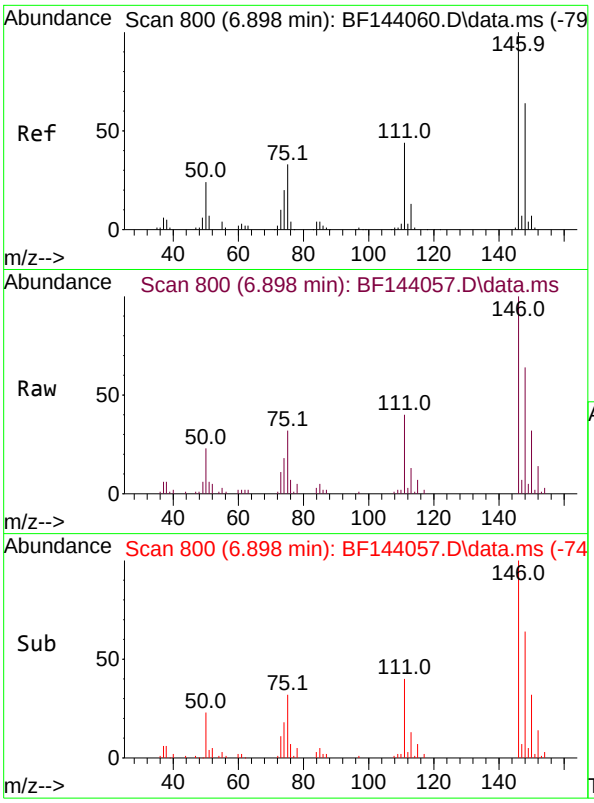


#12
1,3-Dichlorobenzene
Concen: 5.474 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:146 Resp: 27208

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	30.3	26.6	40.0



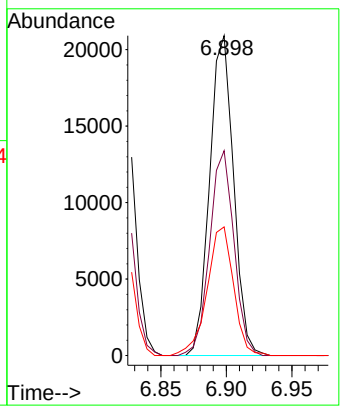


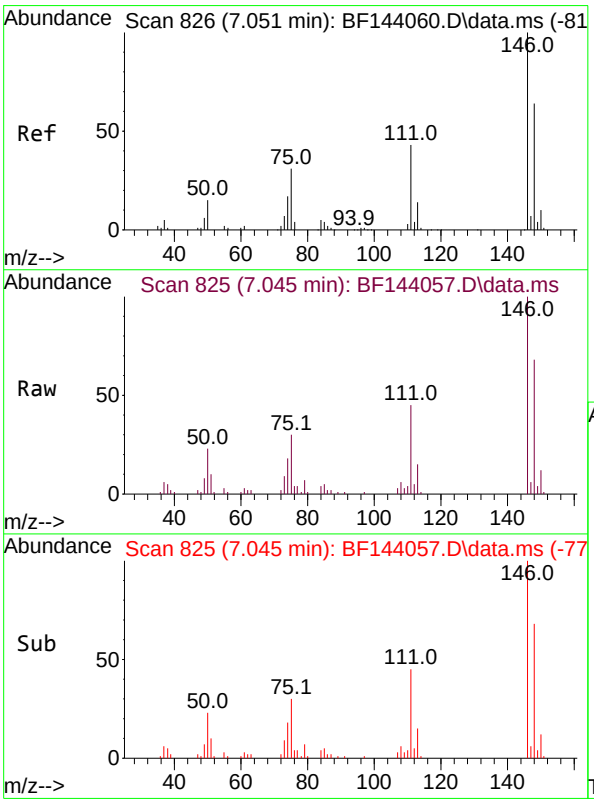
#13
1,4-Dichlorobenzene
Concen: 5.433 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 26614

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
111	40.2	35.0	52.6

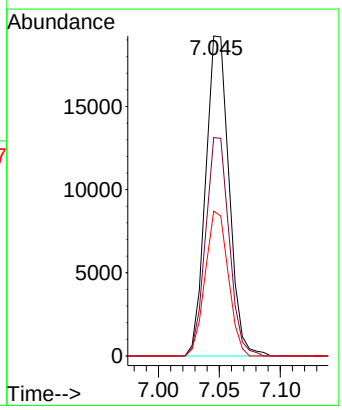


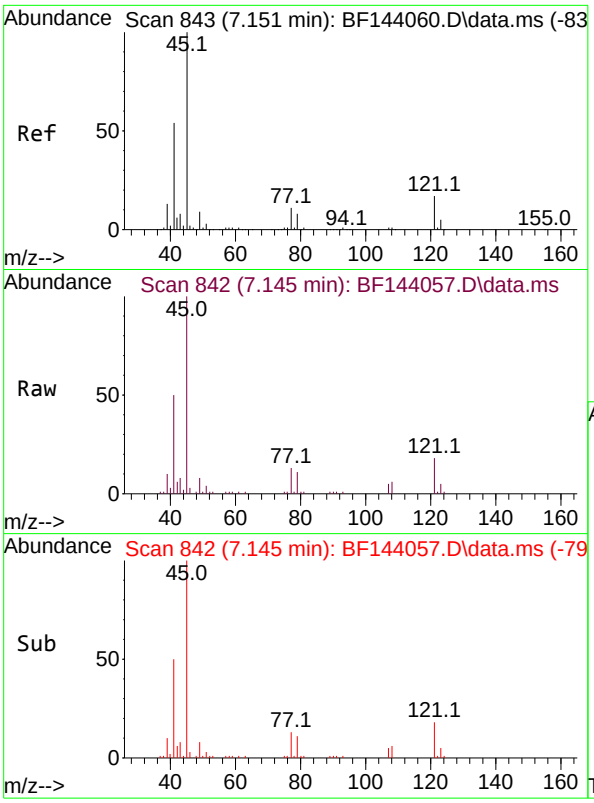


#14
1,2-Dichlorobenzene
Concen: 5.423 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:146 Resp: 25700

Ion	Ratio	Lower	Upper
146	100		
148	68.2	50.8	76.2
111	45.3	34.7	52.1



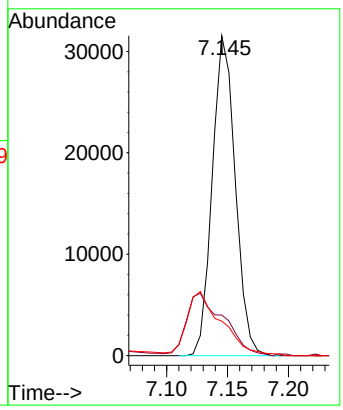


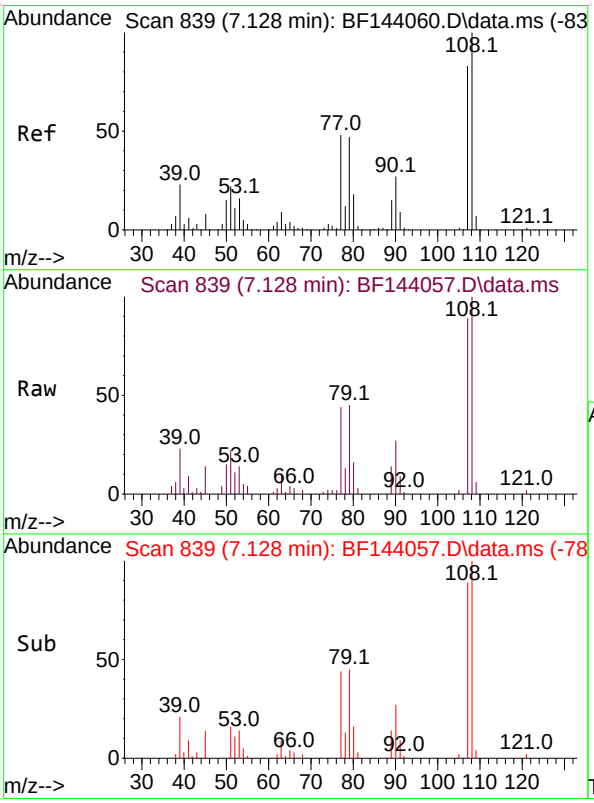
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.474 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 41443

Ion	Ratio	Lower	Upper
45	100		
77	12.7	0.0	30.9
79	10.8	0.0	28.2

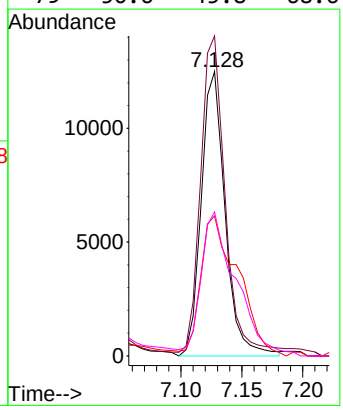


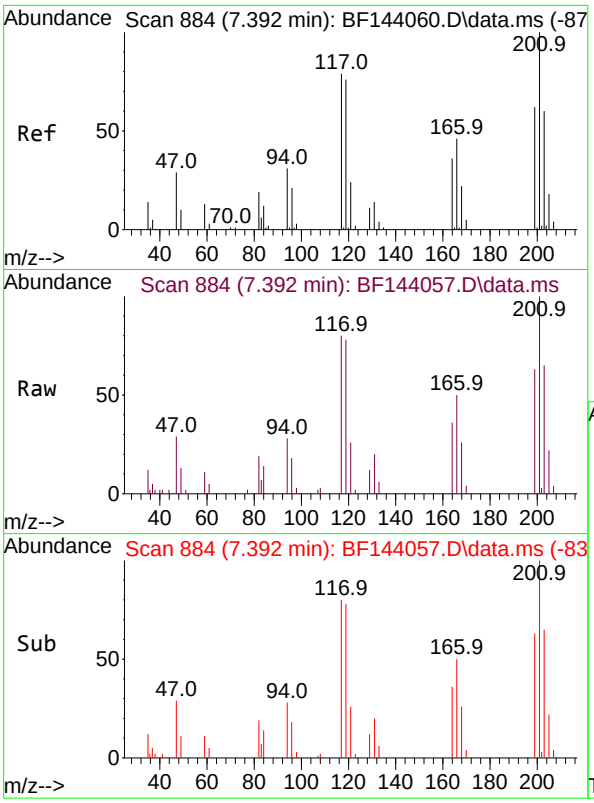


#17
2-Methylphenol
Concen: 5.492 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:107 Resp: 17019

Ion	Ratio	Lower	Upper
107	100		
108	112.5	96.4	144.6
77	49.2	46.8	70.2
79	50.6	45.8	68.6



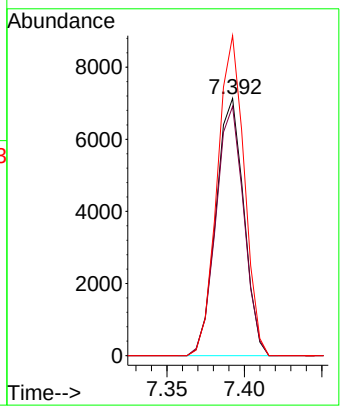


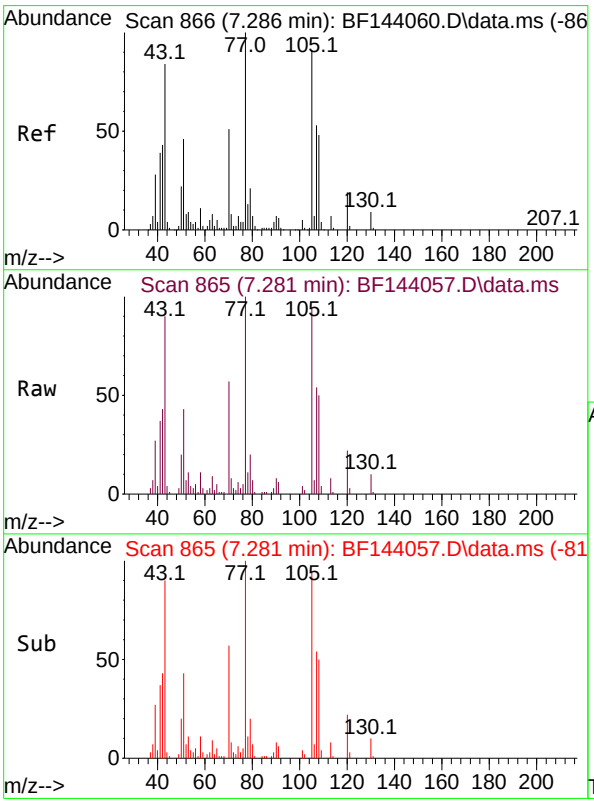
#18
Hexachloroethane
Concen: 5.108 ng
RT: 7.392 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 8945

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
201	124.4	100.9	151.3

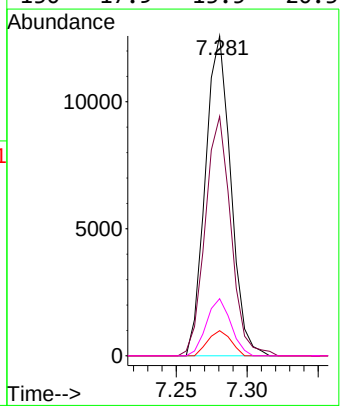


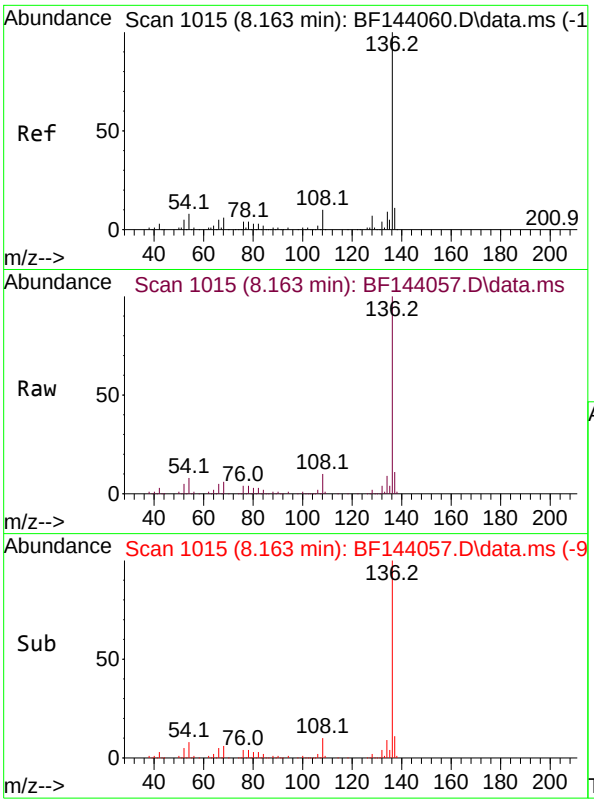


#19
n-Nitroso-di-n-propylamine
Concen: 5.380 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 70 Resp: 15719

Ion	Ratio	Lower	Upper
70	100		
42	74.8	67.4	101.0
101	7.9	7.1	10.7
130	17.9	13.5	20.3



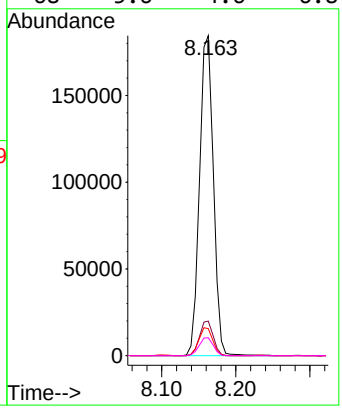


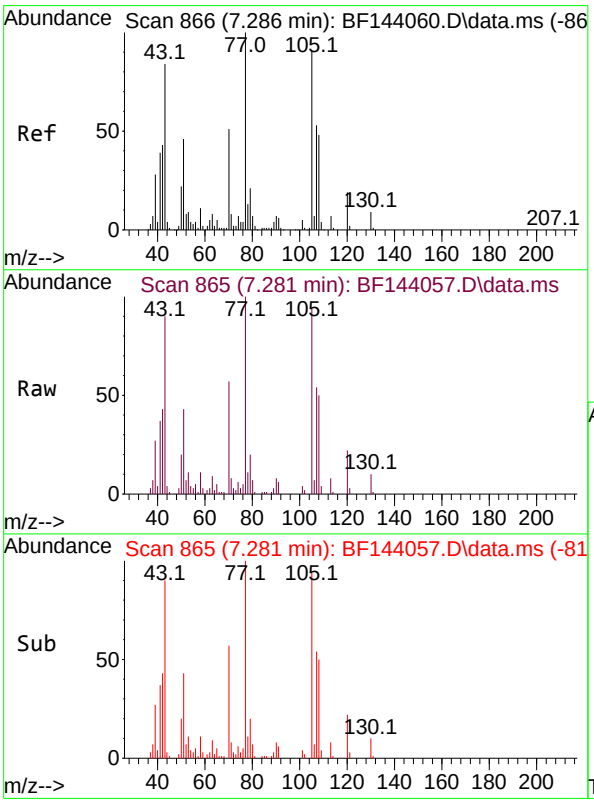
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 239688

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	9.8
68	5.6	4.6	6.8

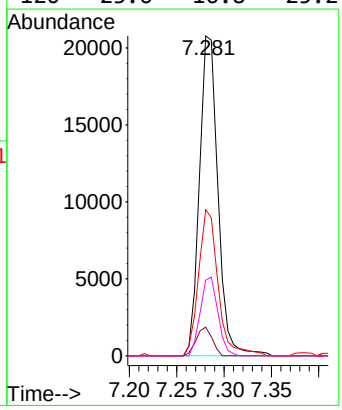


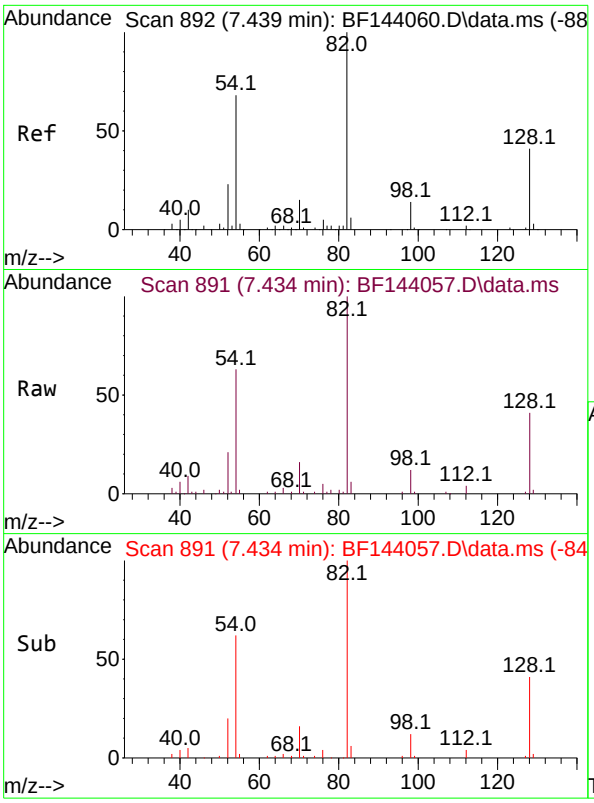


#22
Acetophenone
Concen: 5.471 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:105 Resp: 28341

Ion	Ratio	Lower	Upper
105	100		
71	9.0	6.9	10.3
51	45.7	40.6	60.8
120	23.6	16.8	25.2



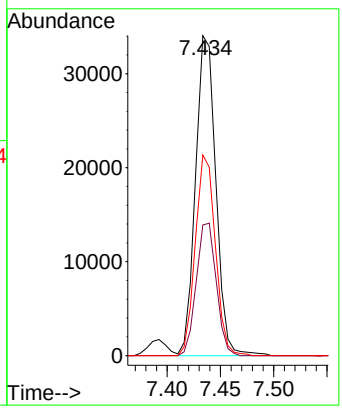


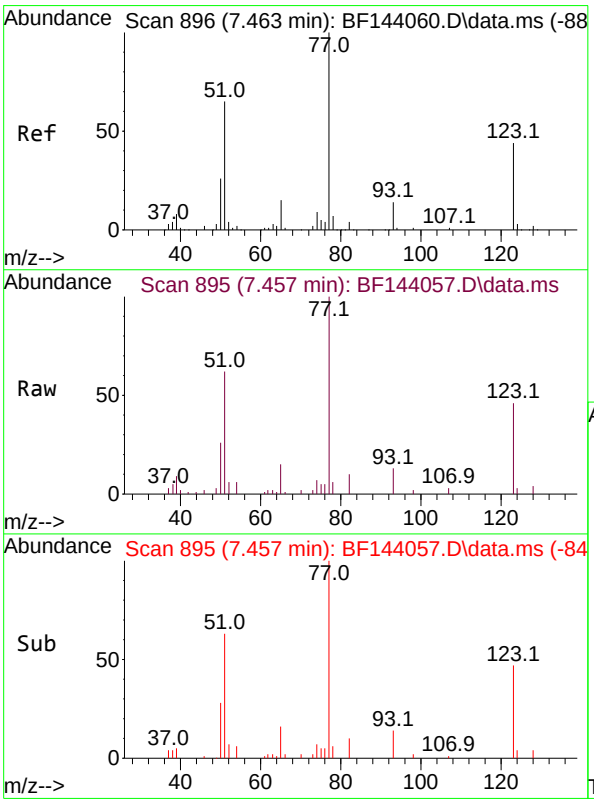
#23
Nitrobenzene-d5
Concen: 10.317 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 45136

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.4	48.6
54	62.7	54.0	81.0

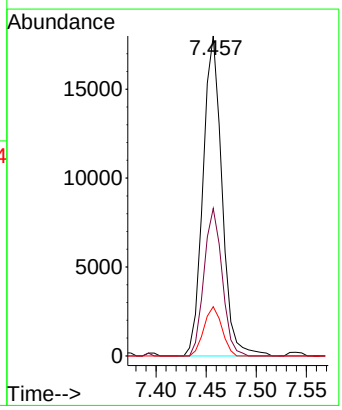


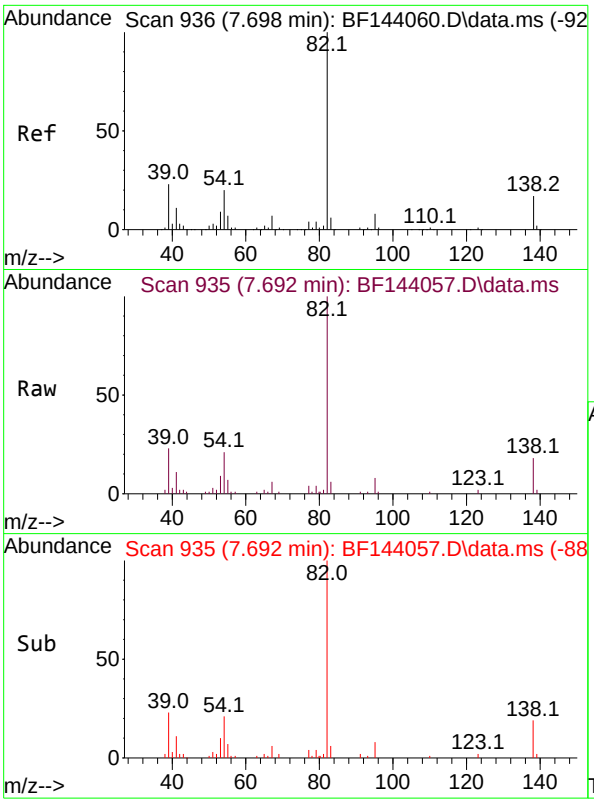


#24
Nitrobenzene
Concen: 5.111 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 77 Resp: 23655

Ion	Ratio	Lower	Upper
77	100		
123	46.1	35.0	52.6
65	15.4	12.2	18.2



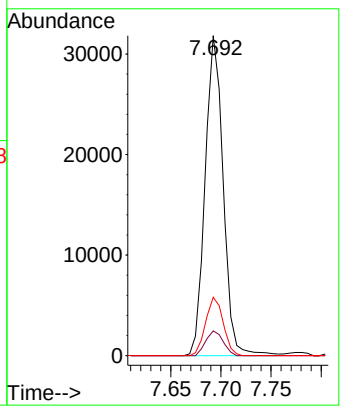


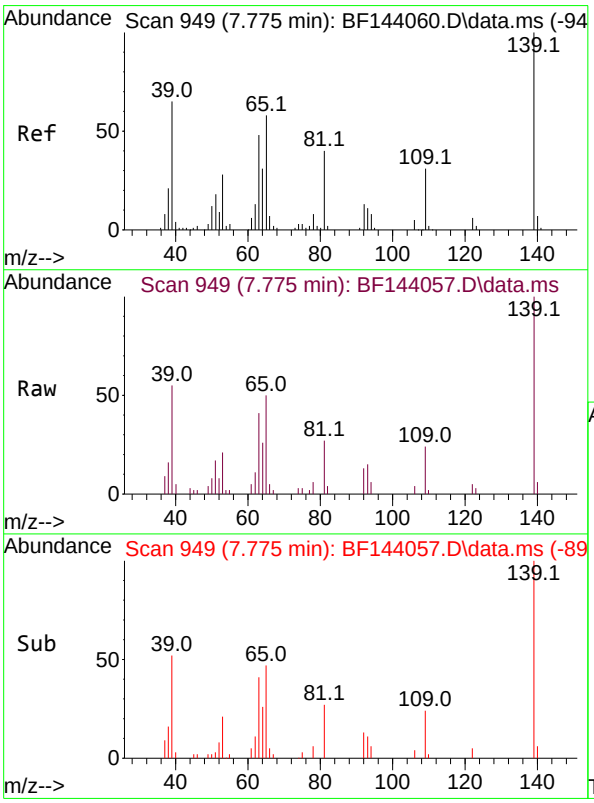
#25
Isophorone
Concen: 5.211 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 39860

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.6	9.8
138	18.2	13.8	20.8

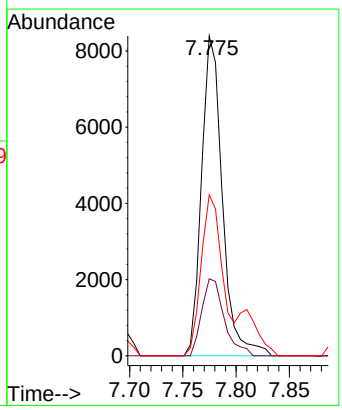


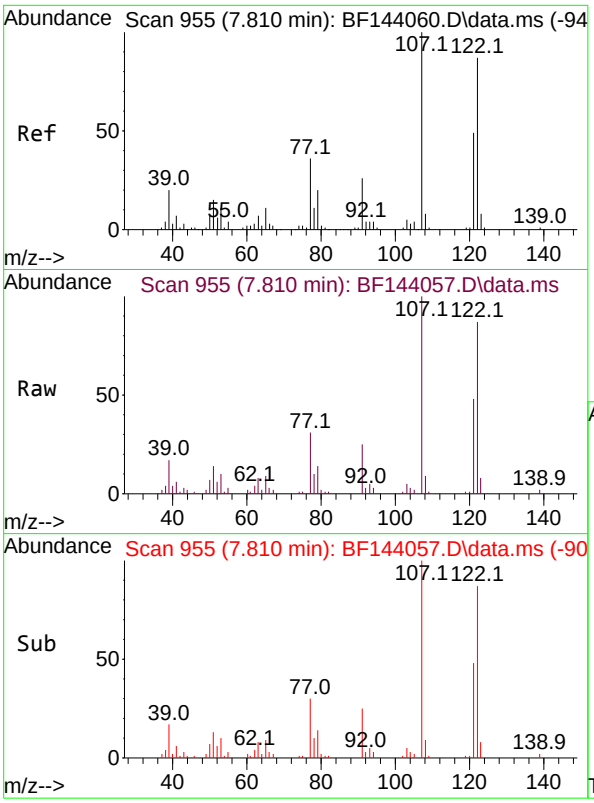


#26
2-Nitrophenol
Concen: 5.166 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:139 Resp: 11373

Ion	Ratio	Lower	Upper
139	100		
109	24.1	24.6	37.0#
65	50.3	46.6	69.8



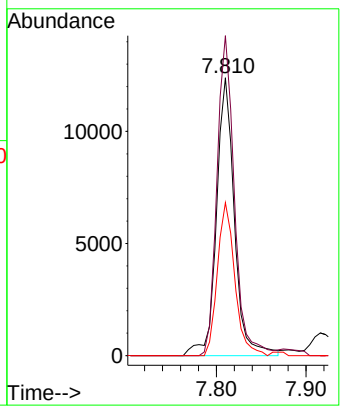


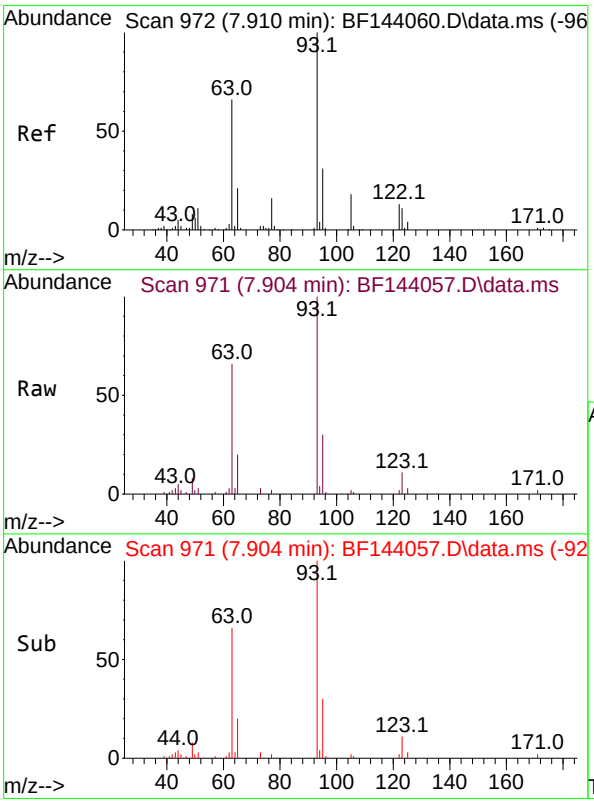
#27
2,4-Dimethylphenol
Concen: 5.287 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 17297

Ion	Ratio	Lower	Upper
122	100		
107	115.2	91.8	137.8
121	55.0	45.2	67.8

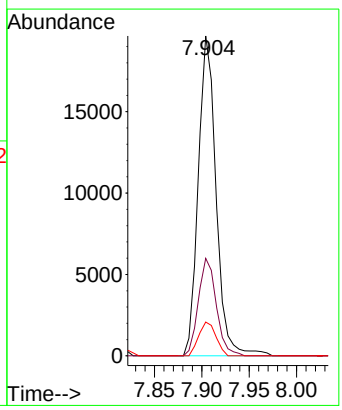


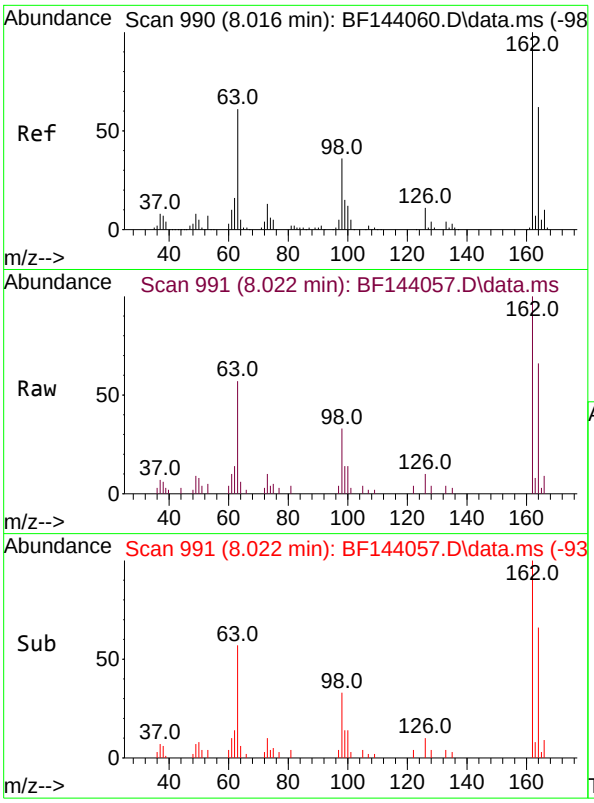


#28
bis(2-Chloroethoxy)methane
Concen: 5.399 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 93 Resp: 25751

Ion	Ratio	Lower	Upper
93	100		
95	30.5	24.6	36.8
123	10.6	9.1	13.7



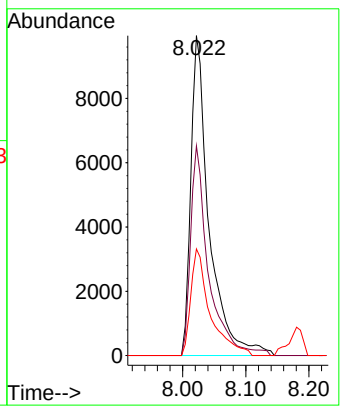


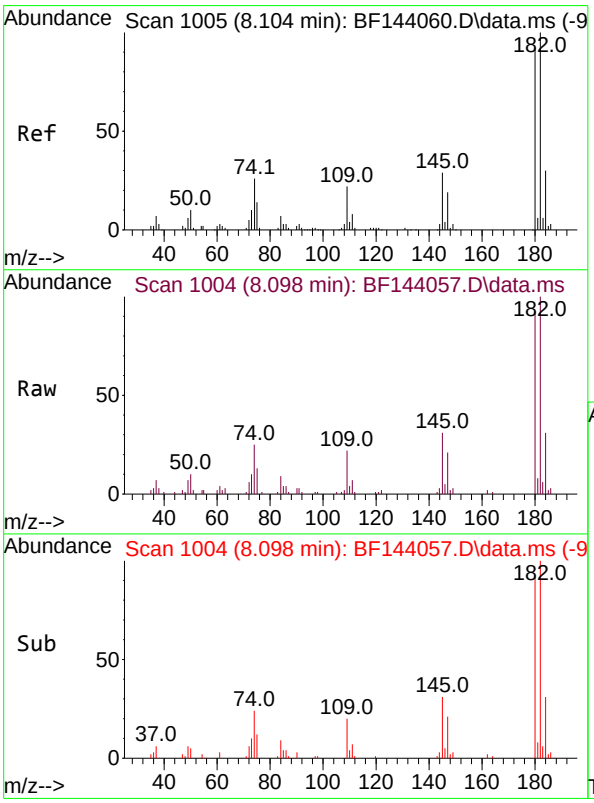
#29
2,4-Dichlorophenol
Concen: 5.259 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 20009

Ion	Ratio	Lower	Upper
162	100		
164	65.5	42.1	82.1
98	33.3	16.0	56.0

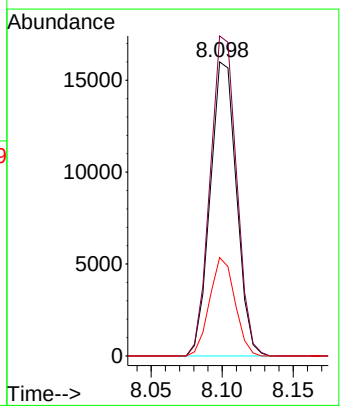


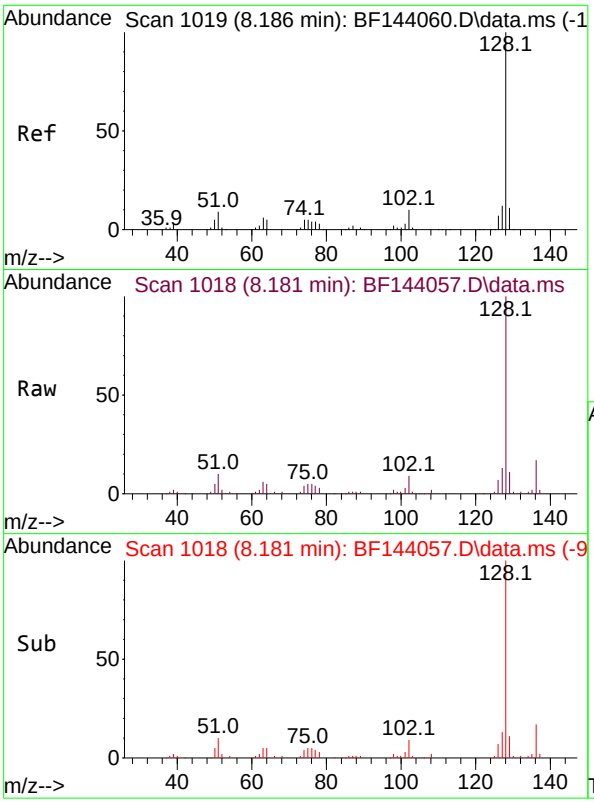


#30
1,2,4-Trichlorobenzene
Concen: 5.263 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:180 Resp: 20600

Ion	Ratio	Lower	Upper
180	100		
182	108.9	87.1	130.7
145	33.4	25.3	37.9



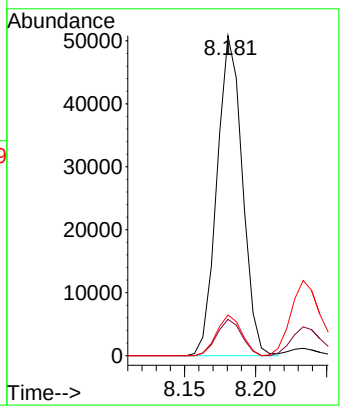


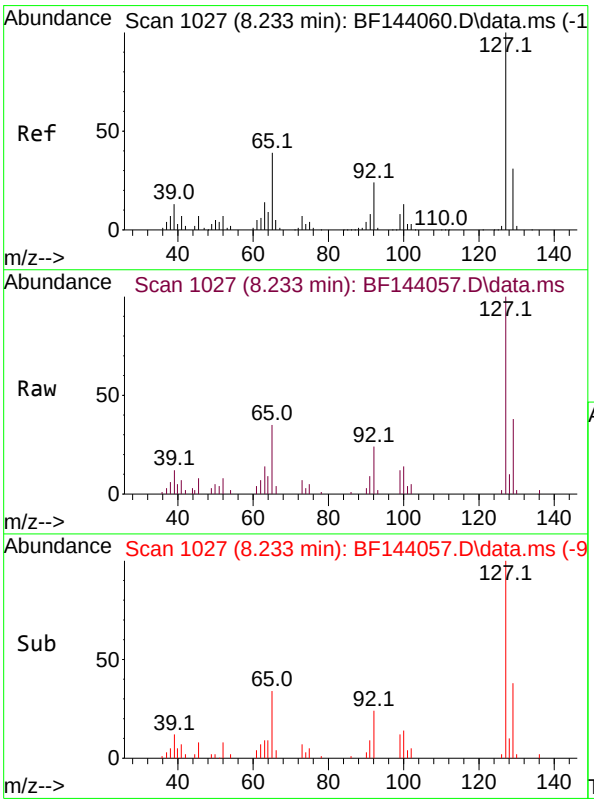
#31
Naphthalene
Concen: 5.585 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 63185

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.4	12.6
127	12.7	9.9	14.9

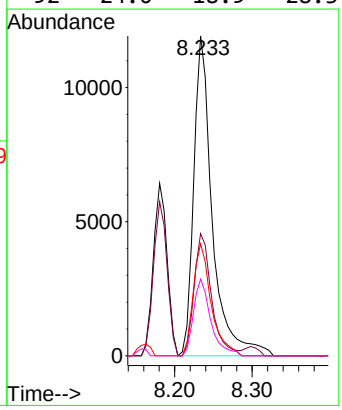


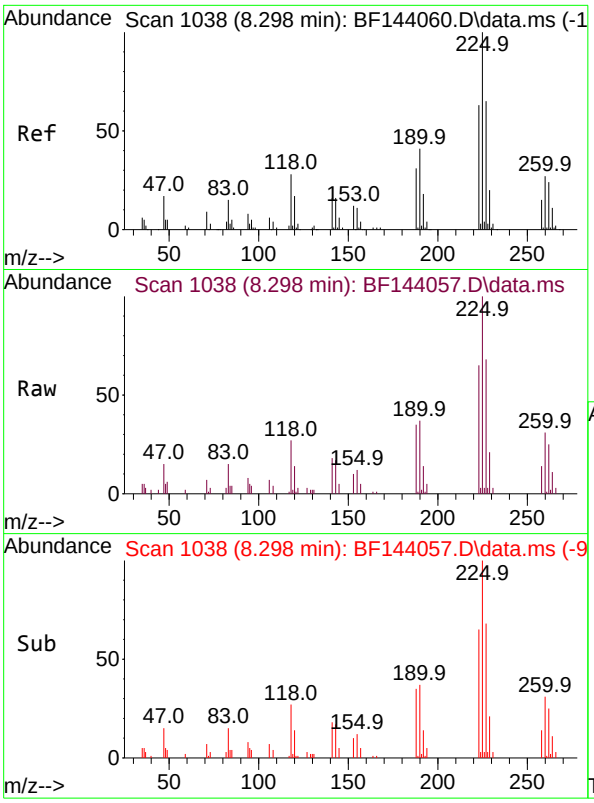


#33
4-Chloroaniline
Concen: 5.047 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:127 Resp: 19875

Ion	Ratio	Lower	Upper
127	100		
129	38.2	25.6	38.4
65	35.0	30.9	46.3
92	24.0	18.9	28.3



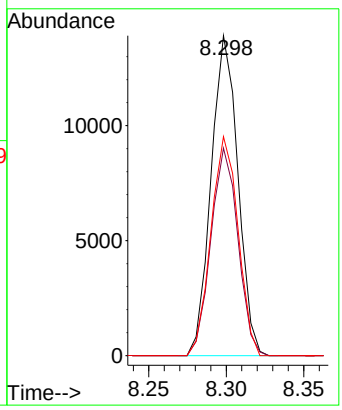


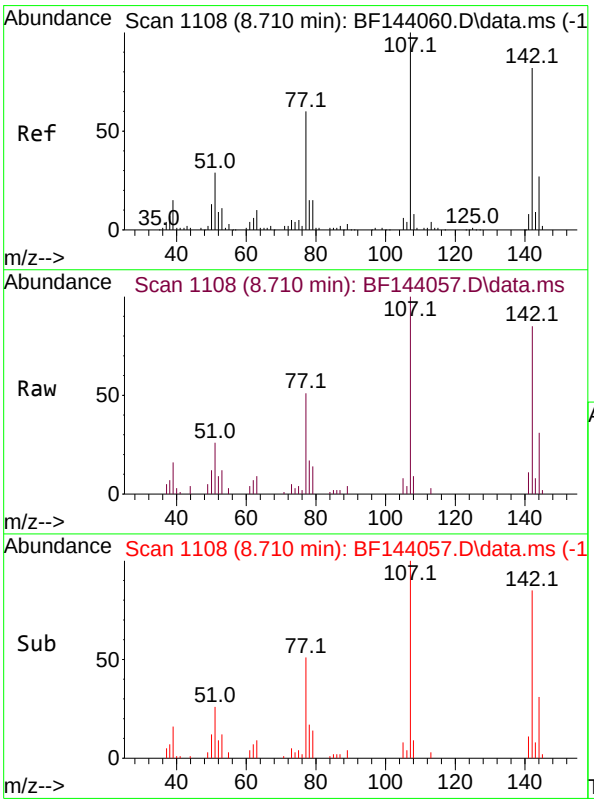
#34
Hexachlorobutadiene
Concen: 5.218 ng
RT: 8.298 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 16702

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.6	76.0
227	68.4	51.8	77.8

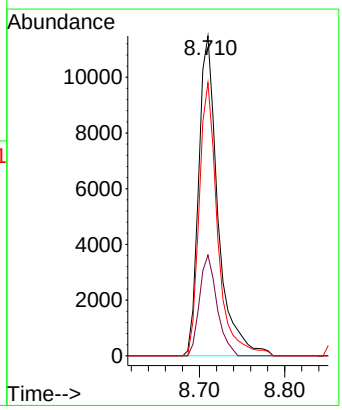


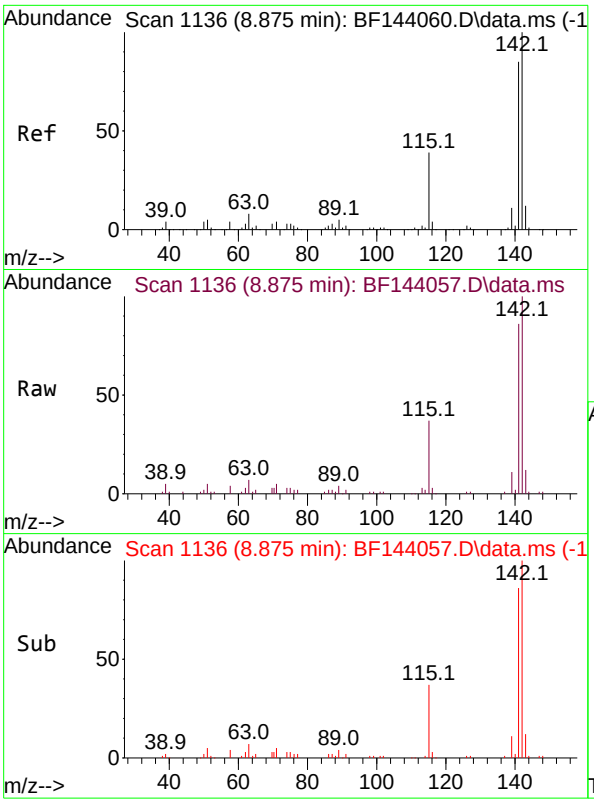


#36
4-Chloro-3-methylphenol
Concen: 5.384 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:107 Resp: 18077

Ion	Ratio	Lower	Upper
107	100		
144	31.5	21.6	32.4
142	85.4	65.4	98.0



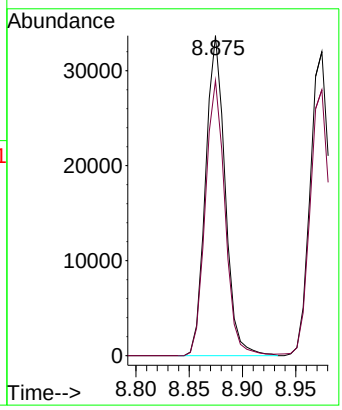


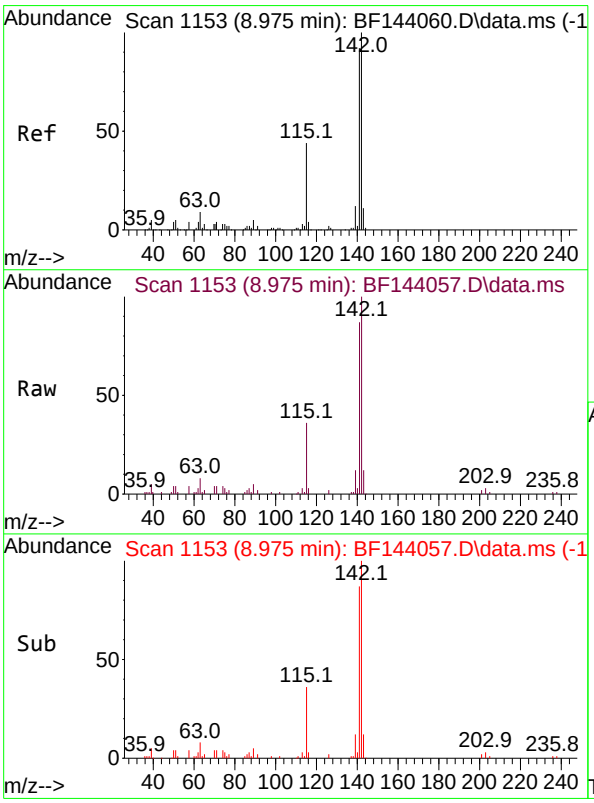
#37
2-Methylnaphthalene
Concen: 5.766 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 43006

Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.6	101.4

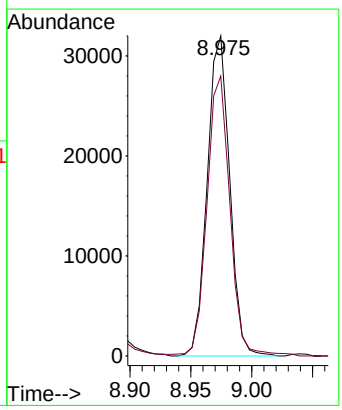


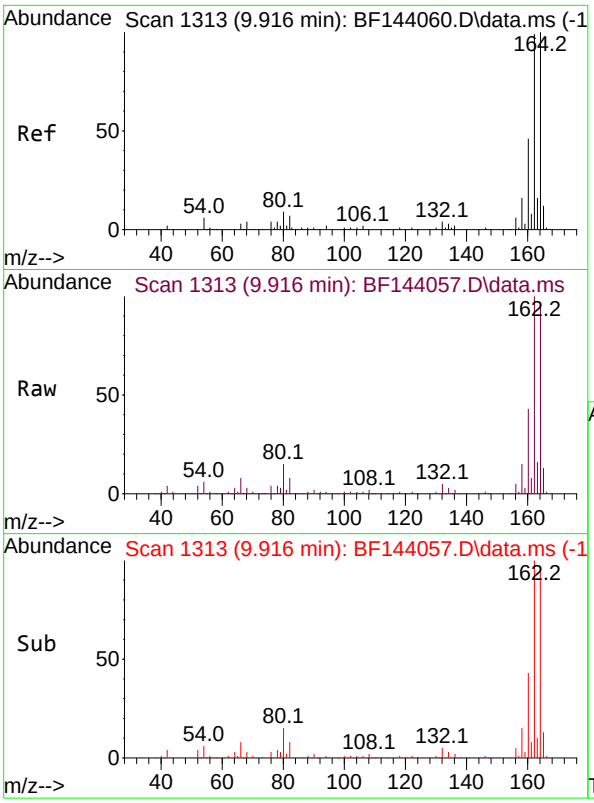


#38
1-Methylnaphthalene
Concen: 5.806 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:142 Resp: 41029

Ion	Ratio	Lower	Upper
142	100		
141	87.5	73.4	110.2



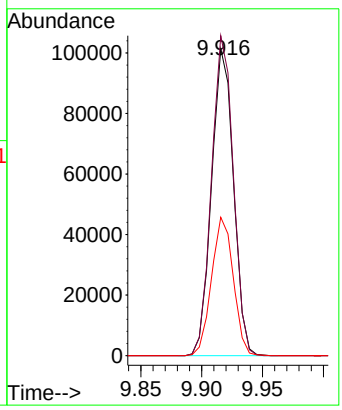


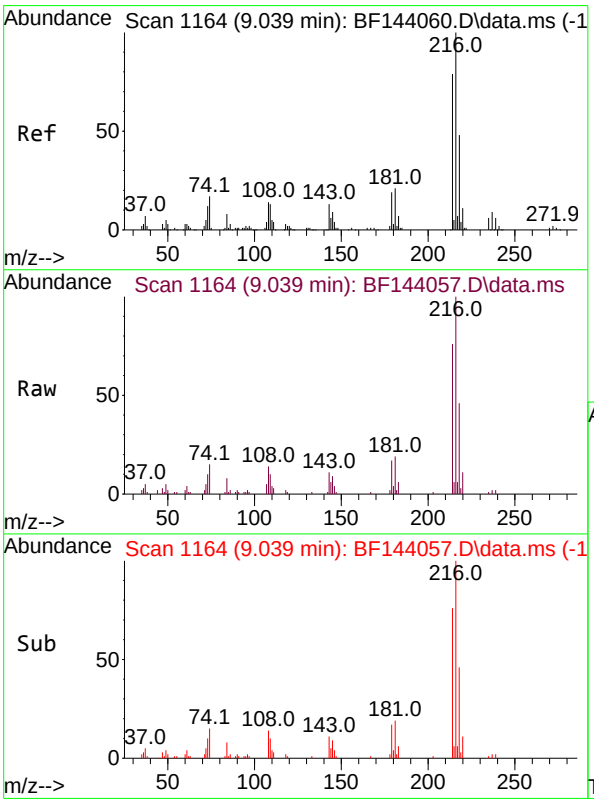
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 127182

Ion	Ratio	Lower	Upper
164	100		
162	104.2	79.4	119.2
160	45.0	36.7	55.1

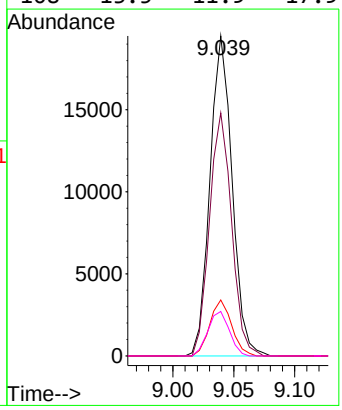


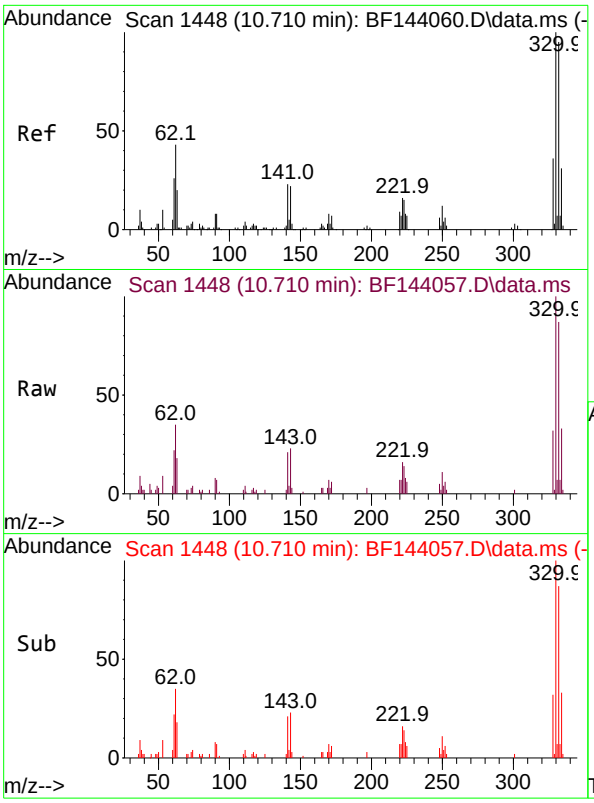


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.651 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:216 Resp: 24701

Ion	Ratio	Lower	Upper
216	100		
214	75.6	63.2	94.8
179	17.3	15.2	22.8
108	13.5	11.9	17.9



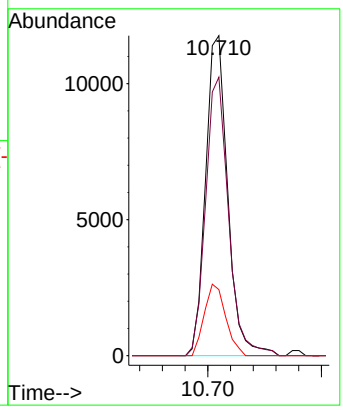


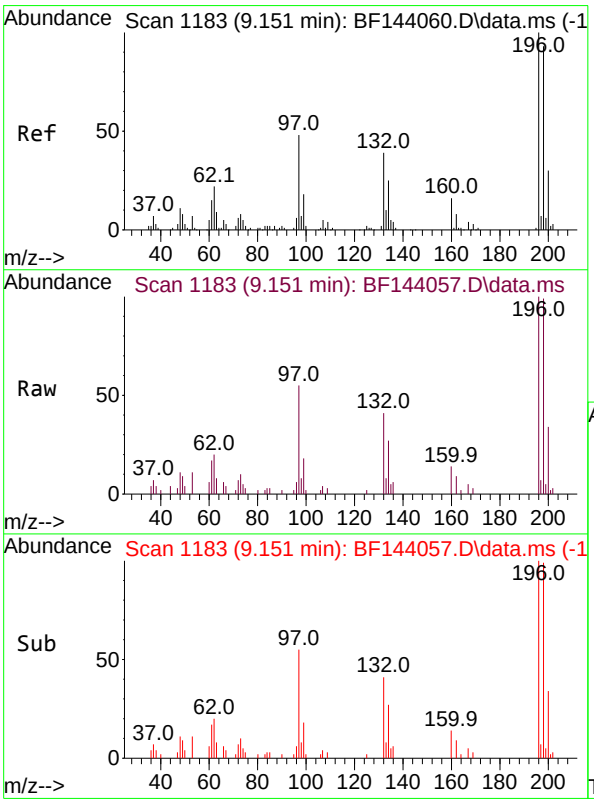
#42
2,4,6-Tribromophenol
Concen: 9.848 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 15954

Ion	Ratio	Lower	Upper
330	100		
332	89.7	77.0	115.6
141	21.6	19.4	29.0

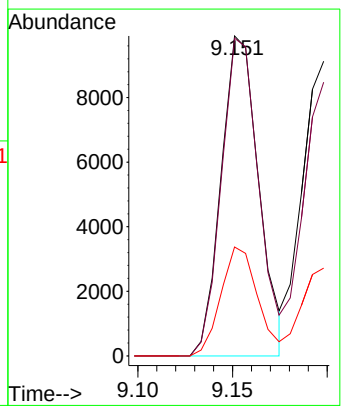


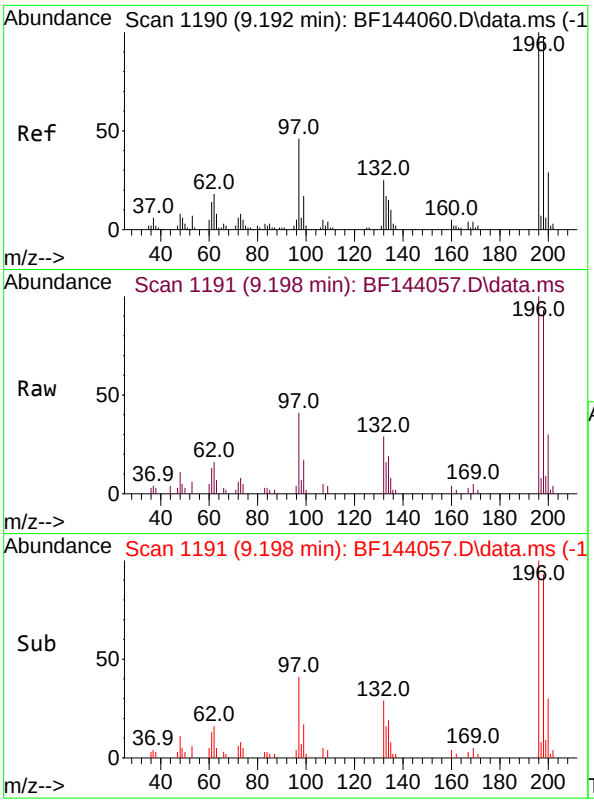


#43
2,4,6-Trichlorophenol
Concen: 4.813 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:196 Resp: 13673

Ion	Ratio	Lower	Upper
196	100		
198	99.3	74.4	111.6
200	34.0	23.8	35.8



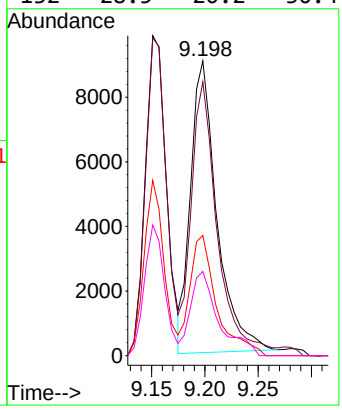


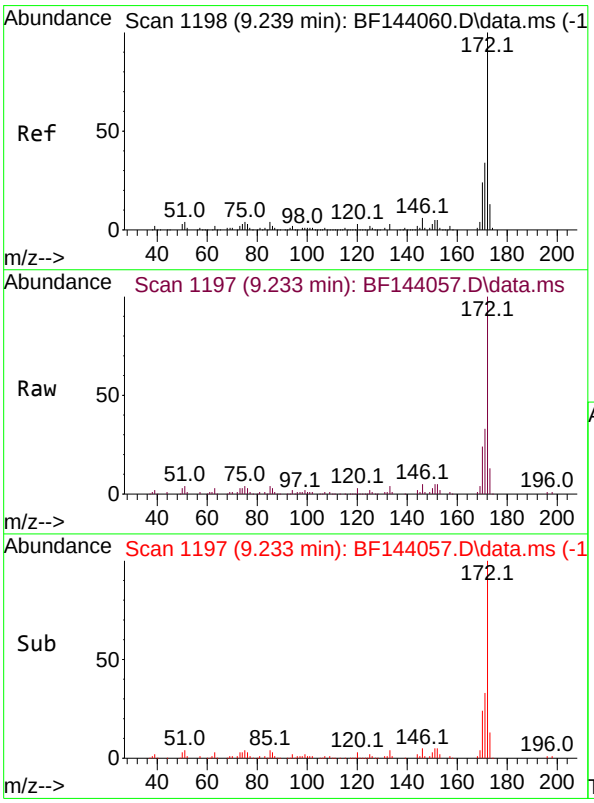
#44
2,4,5-Trichlorophenol
Concen: 5.208 ng
RT: 9.198 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 15530

Ion	Ratio	Lower	Upper
196	100		
198	92.9	78.0	117.0
97	40.7	37.7	56.5
132	28.5	20.2	30.4

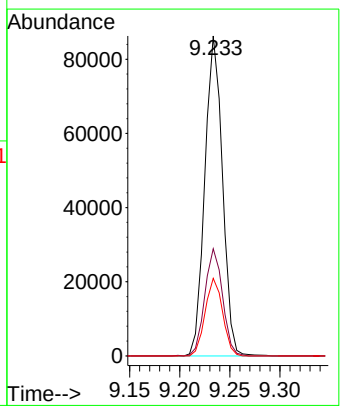


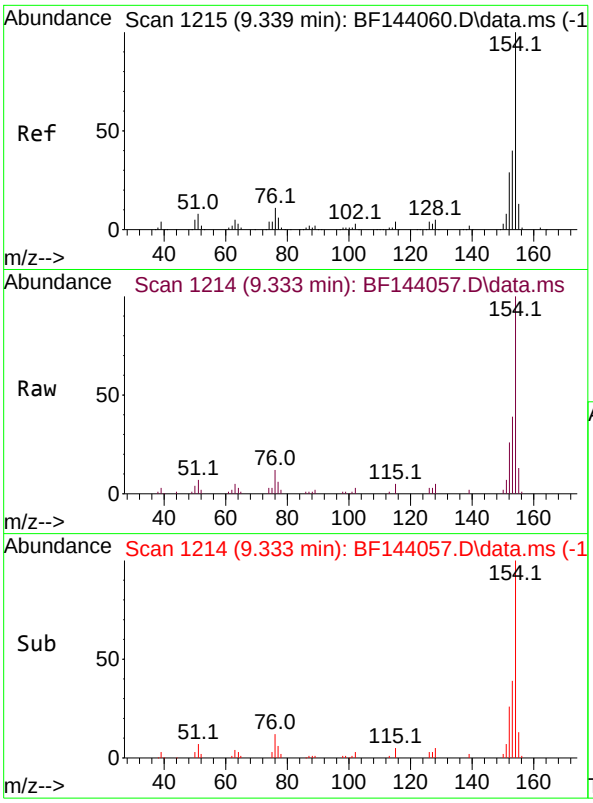


#45
2-Fluorobiphenyl
Concen: 11.641 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:172 Resp: 105210

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.5	41.3
170	24.2	19.0	28.6



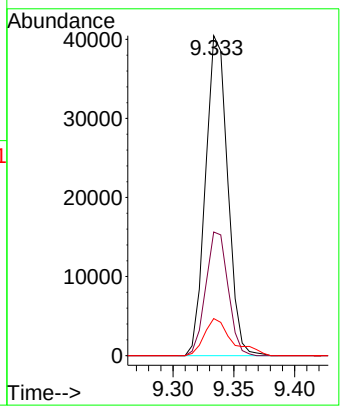


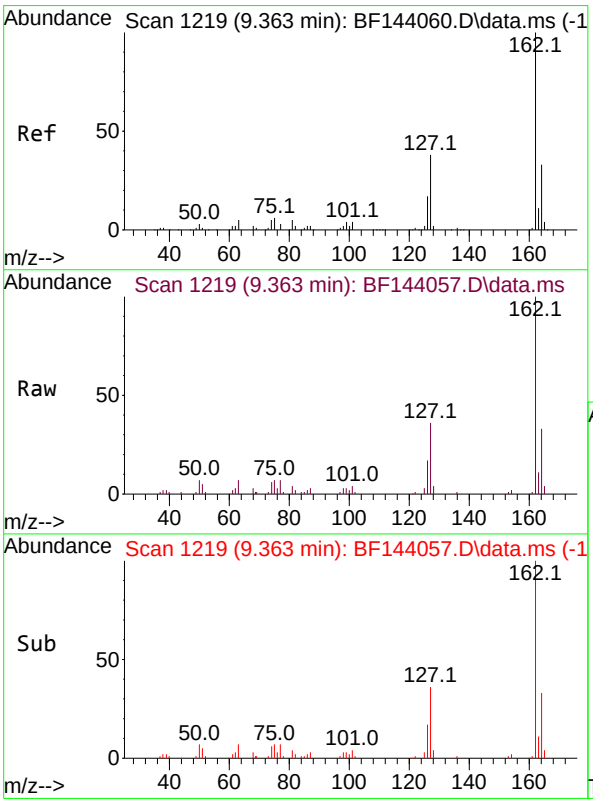
#46
1,1'-Biphenyl
Concen: 5.635 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 51299

Ion	Ratio	Lower	Upper
154	100		
153	38.6	19.7	59.7
76	11.6	0.0	31.1

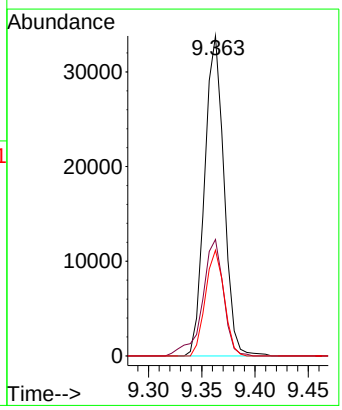


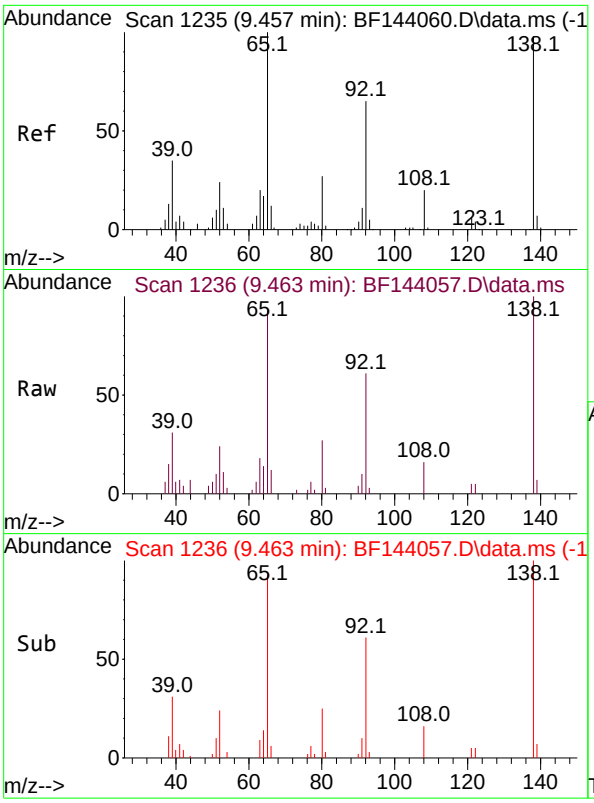


#47
2-Chloronaphthalene
Concen: 5.571 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:162 Resp: 42492

Ion	Ratio	Lower	Upper
162	100		
127	36.4	31.6	47.4
164	33.0	26.5	39.7



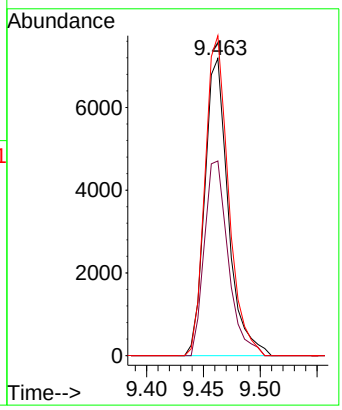


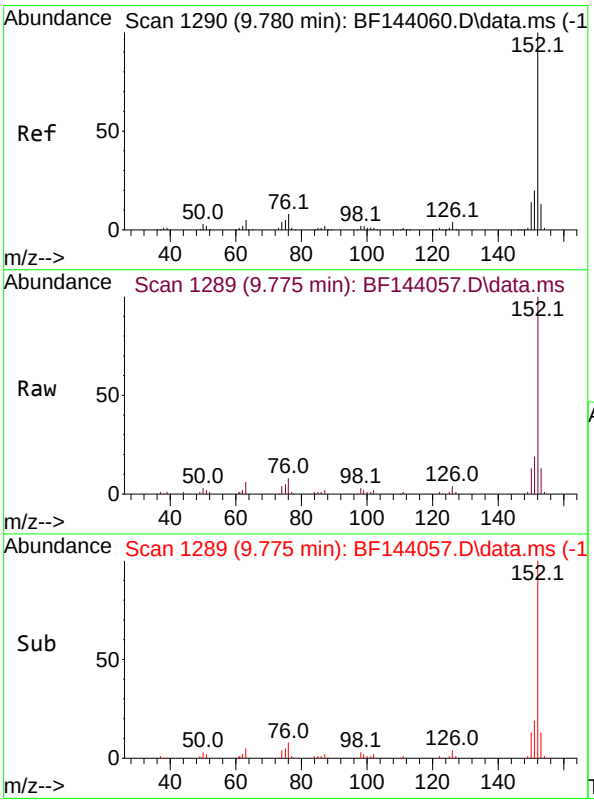
#48
2-Nitroaniline
Concen: 4.568 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 10347

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.3	78.5
138	107.7	78.3	117.5

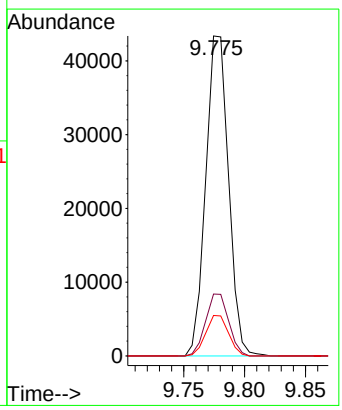


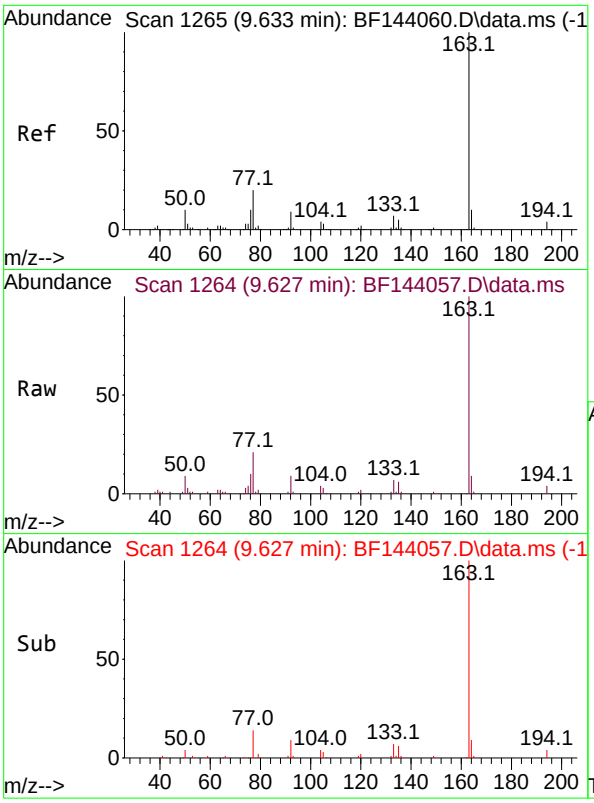


#49
Acenaphthylene
Concen: 5.502 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:152 Resp: 56586

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.6	10.4	15.6



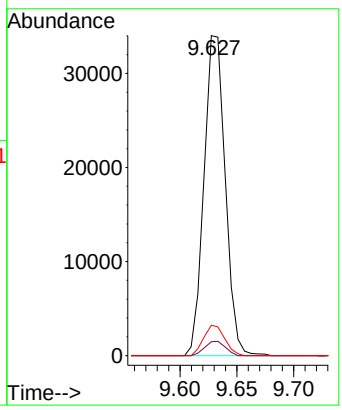


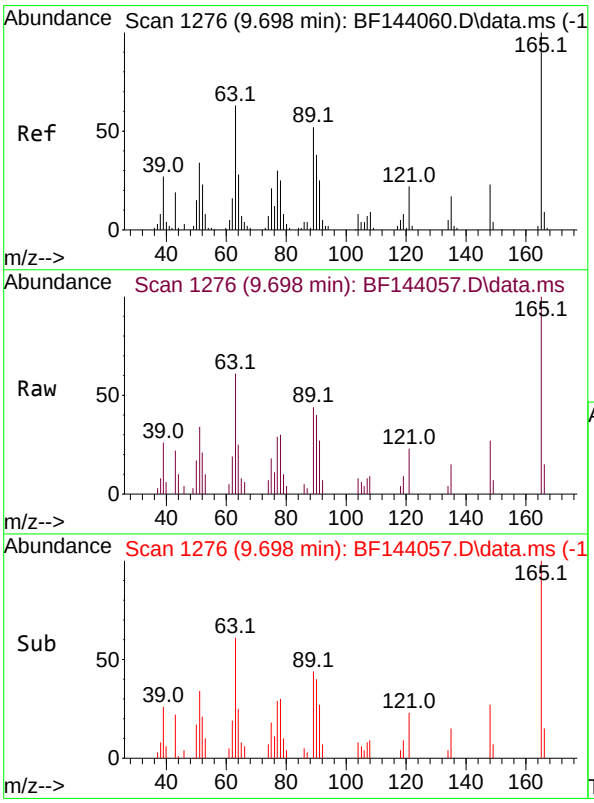
#50
Dimethylphthalate
Concen: 5.332 ng
RT: 9.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 44452

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.5	7.8	11.8

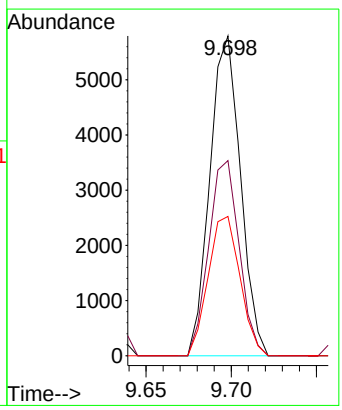


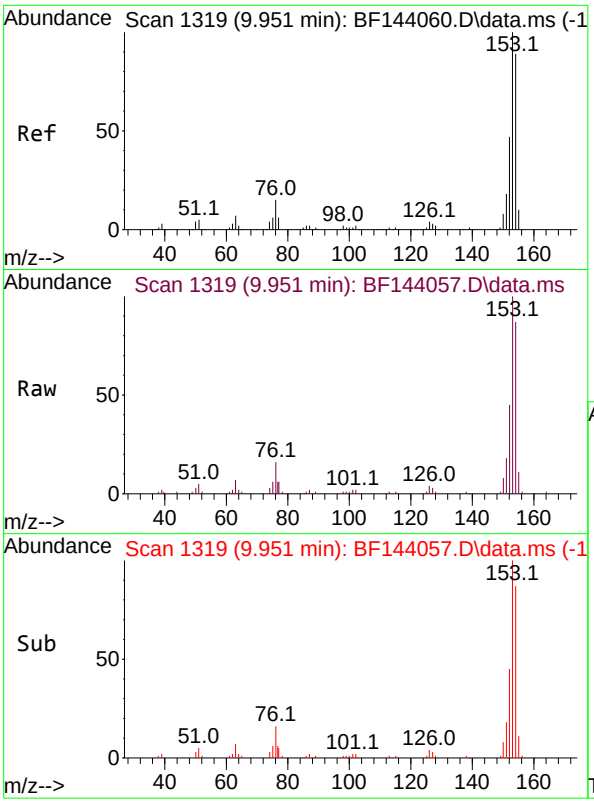


#51
2,6-Dinitrotoluene
Concen: 4.392 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:165 Resp: 7239

Ion	Ratio	Lower	Upper
165	100		
63	61.0	50.4	75.6
89	43.6	41.4	62.2



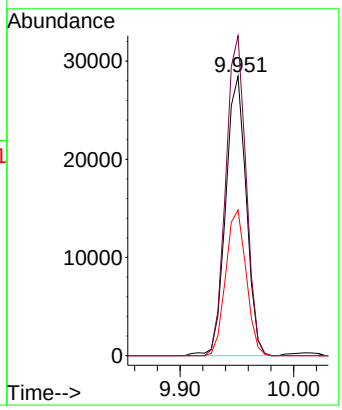


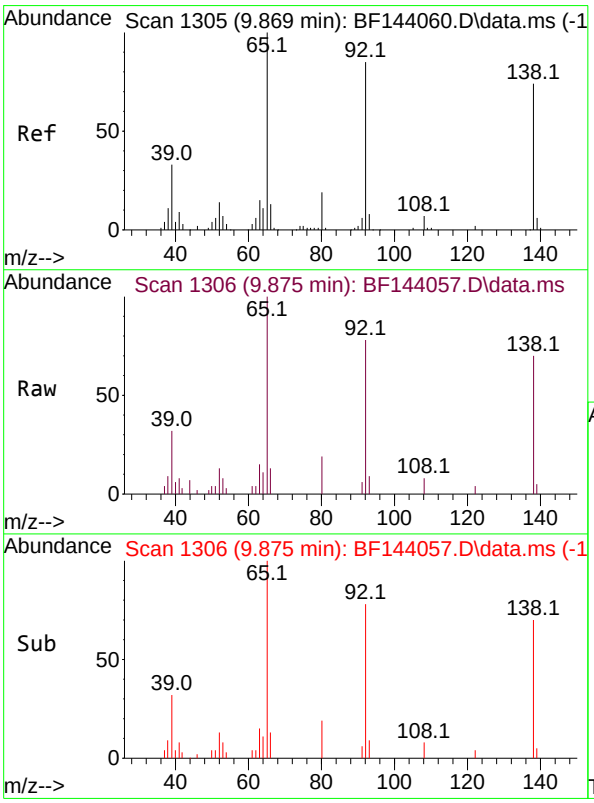
#52
Acenaphthene
Concen: 5.208 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 35769

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

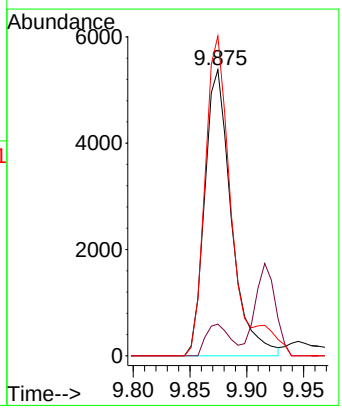


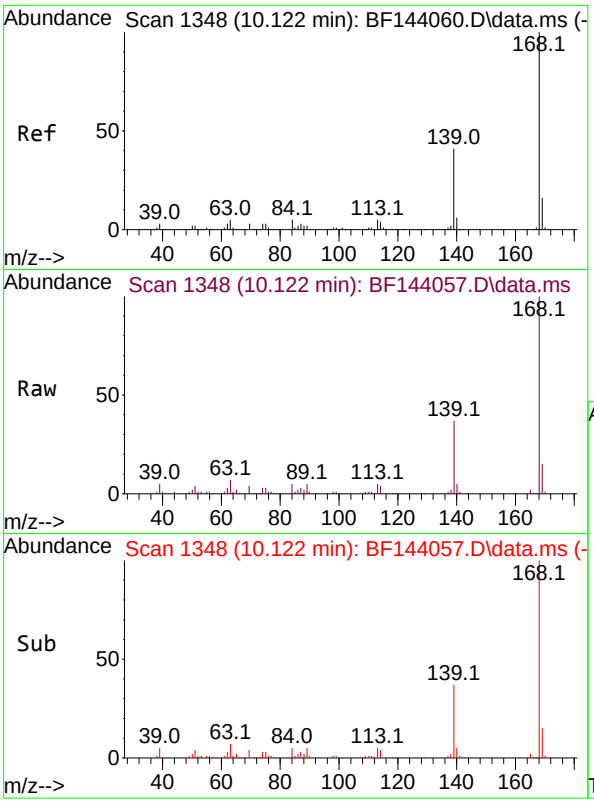


#53
3-Nitroaniline
Concen: 4.792 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:138 Resp: 8780

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



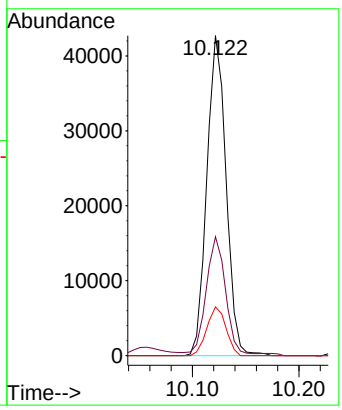


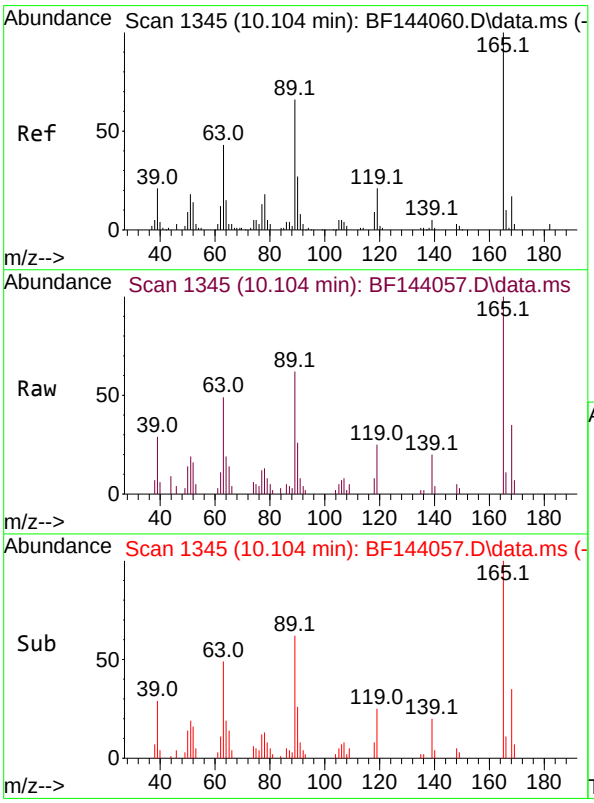
#55
Dibenzofuran
Concen: 5.620 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 53591

Ion	Ratio	Lower	Upper
168	100		
139	37.1	33.2	49.8
169	15.2	12.6	19.0

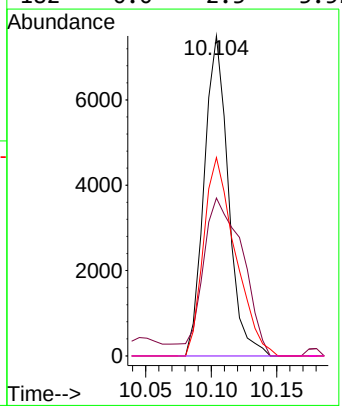


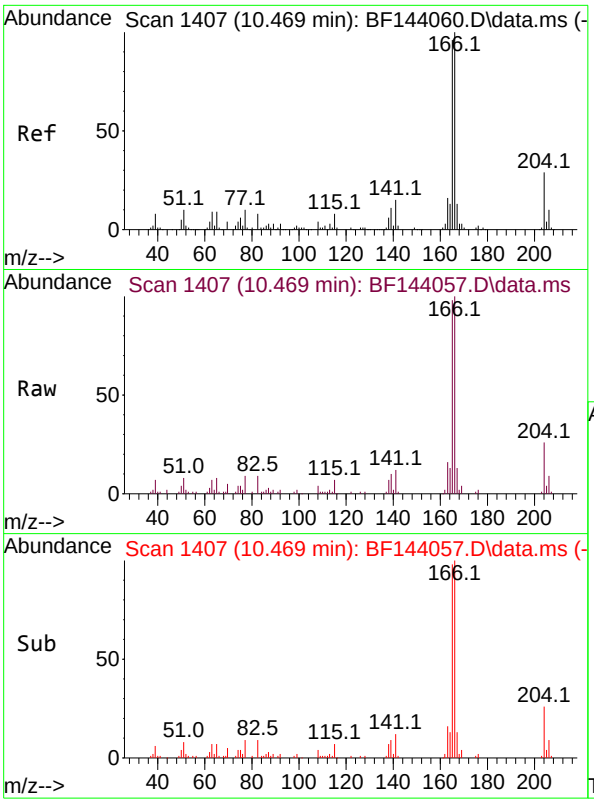


#57
2,4-Dinitrotoluene
Concen: 4.312 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:165 Resp: 9591

Ion	Ratio	Lower	Upper
165	100		
63	49.3	35.4	53.2
89	62.0	52.7	79.1
182	0.0	2.3	3.5#



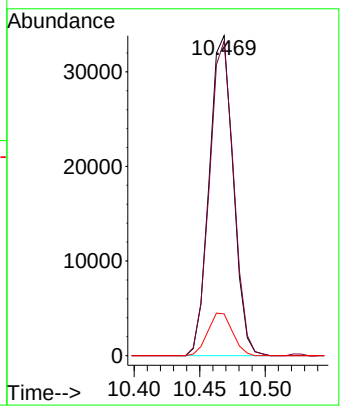


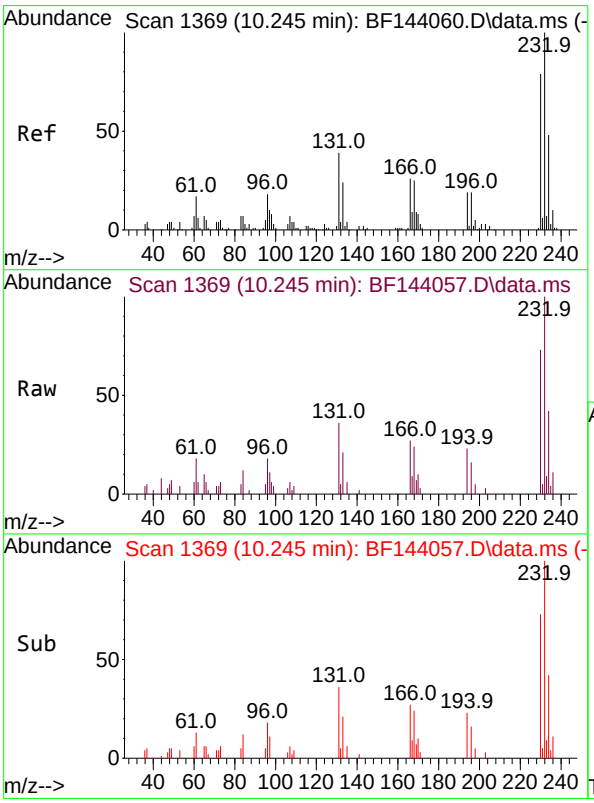
#58
Fluorene
Concen: 5.948 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 43217

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.0	115.4
167	13.0	10.2	15.4

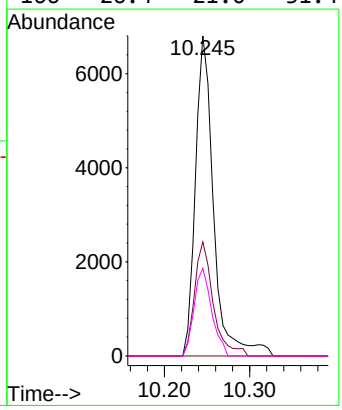


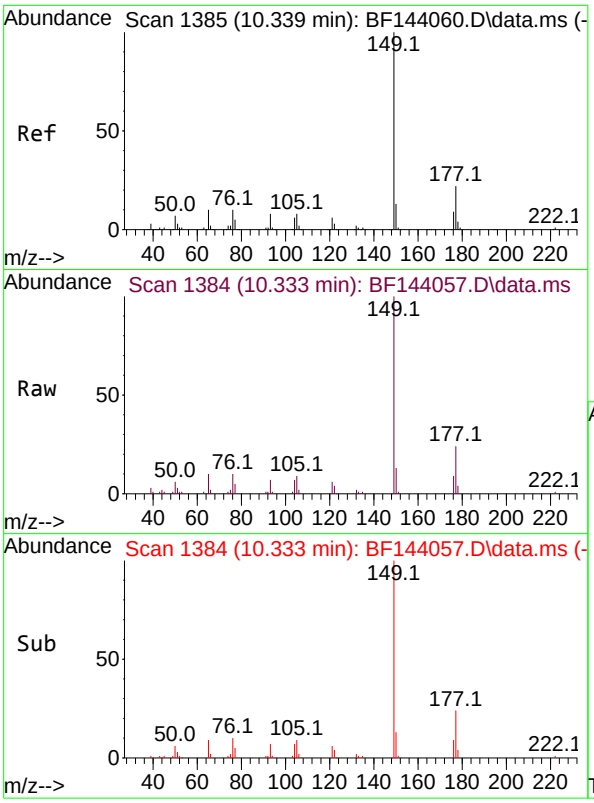


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.793 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:232 Resp: 10071

Ion	Ratio	Lower	Upper
232	100		
131	36.6	31.9	47.9
130	0.0	1.1	1.7#
166	26.4	21.0	31.4



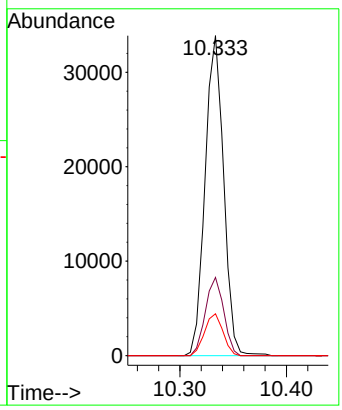


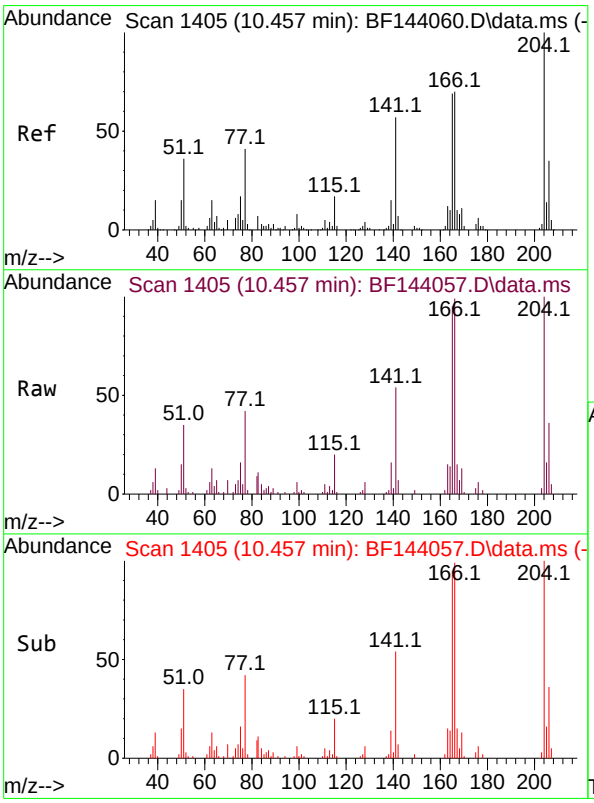
#60
Diethylphthalate
Concen: 5.215 ng
RT: 10.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 40882

Ion	Ratio	Lower	Upper
149	100		
177	24.4	17.8	26.6
150	13.1	10.1	15.1

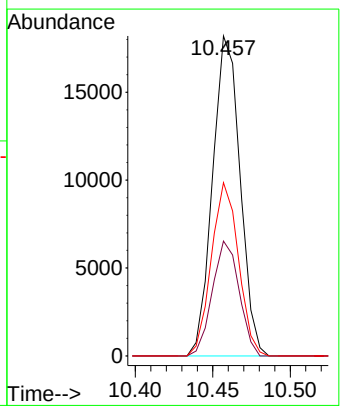


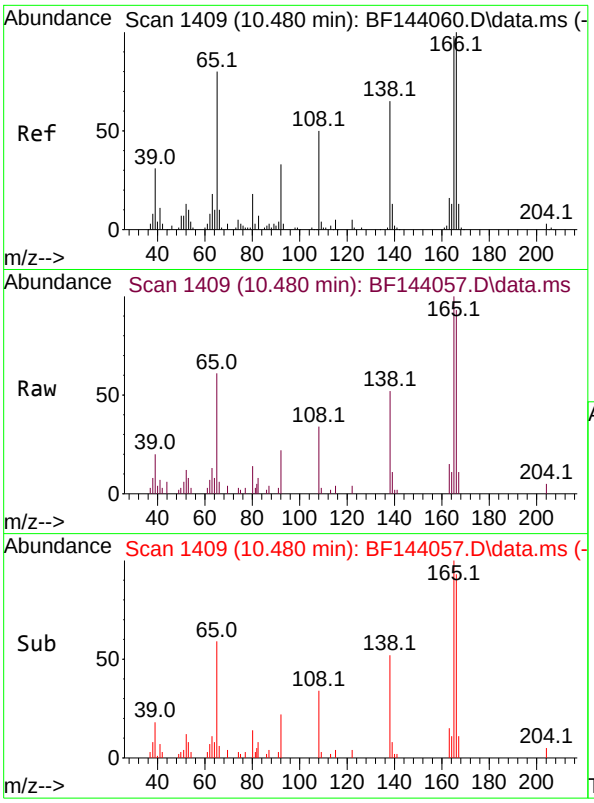


#61
4-Chlorophenyl-phenylether
Concen: 5.491 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:204 Resp: 22434

Ion	Ratio	Lower	Upper
204	100		
206	35.9	27.8	41.6
141	54.1	45.4	68.2



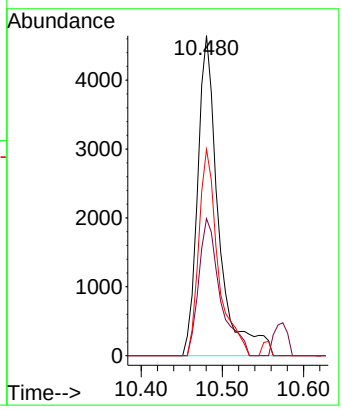


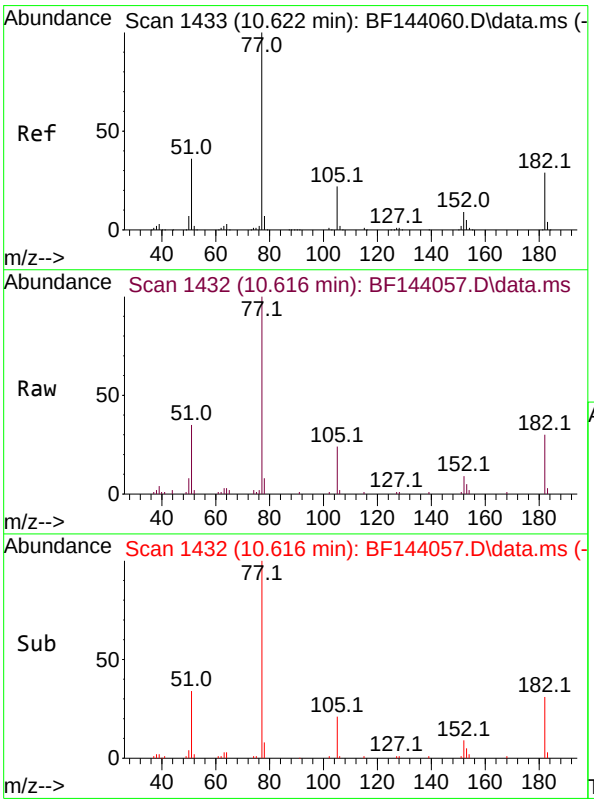
#62
4-Nitroaniline
Concen: 4.789 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 8315

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

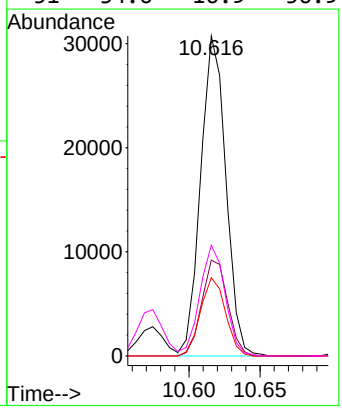


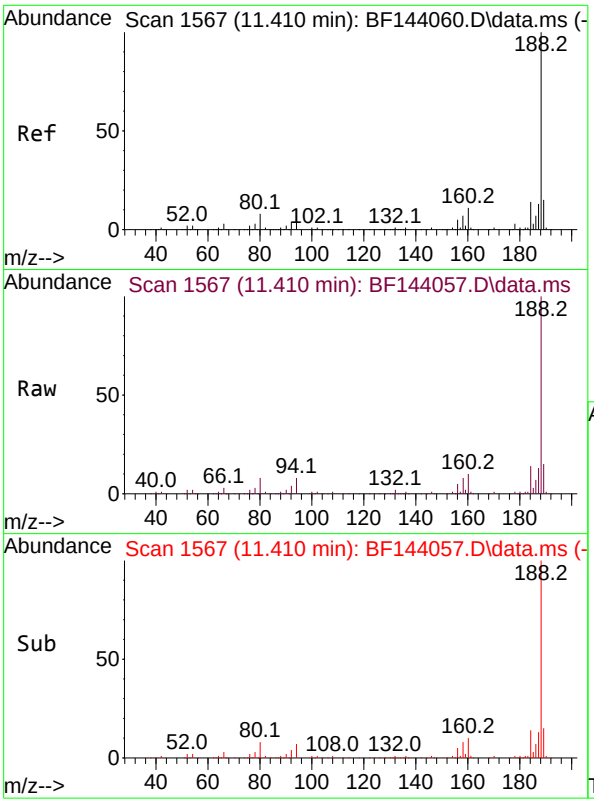


#63
Azobenzene
Concen: 5.106 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 77 Resp: 37885

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



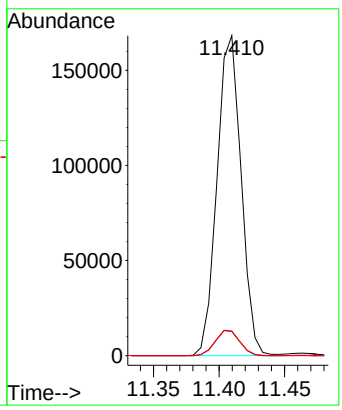


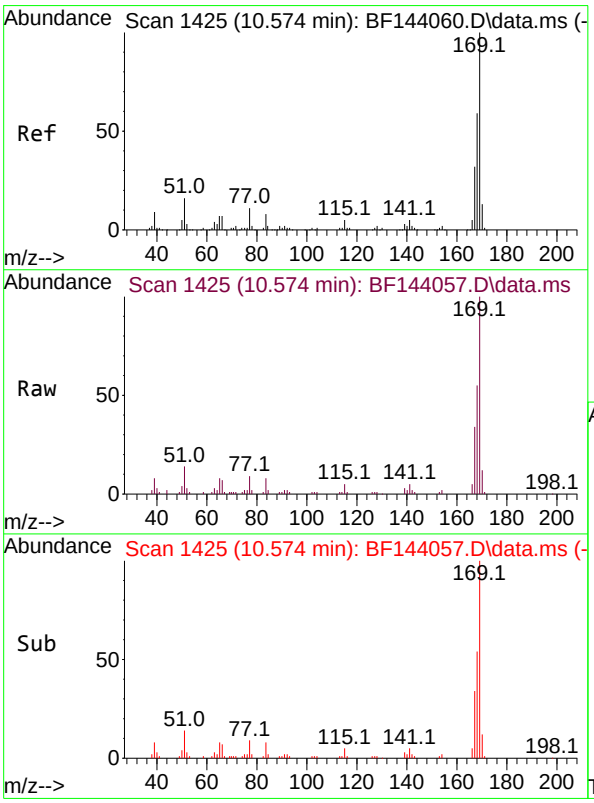
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 215493

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.4	8.0
80	7.5	6.0	9.0

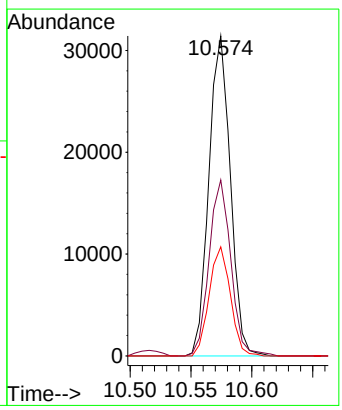


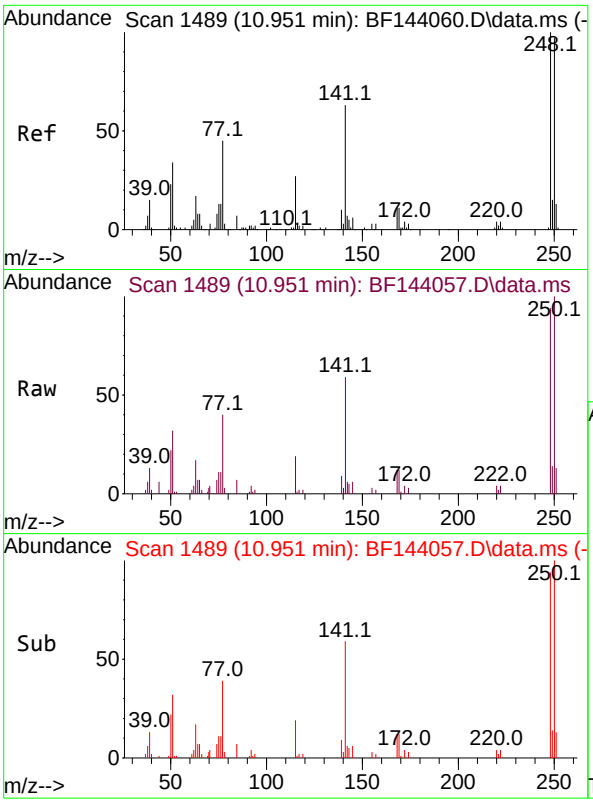


#66
n-Nitrosodiphenylamine
Concen: 5.599 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:169 Resp: 38552

Ion	Ratio	Lower	Upper
169	100		
168	55.0	47.4	71.2
167	34.1	25.5	38.3



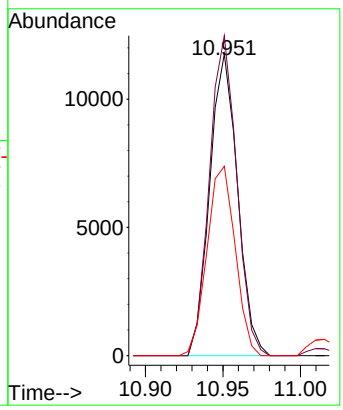


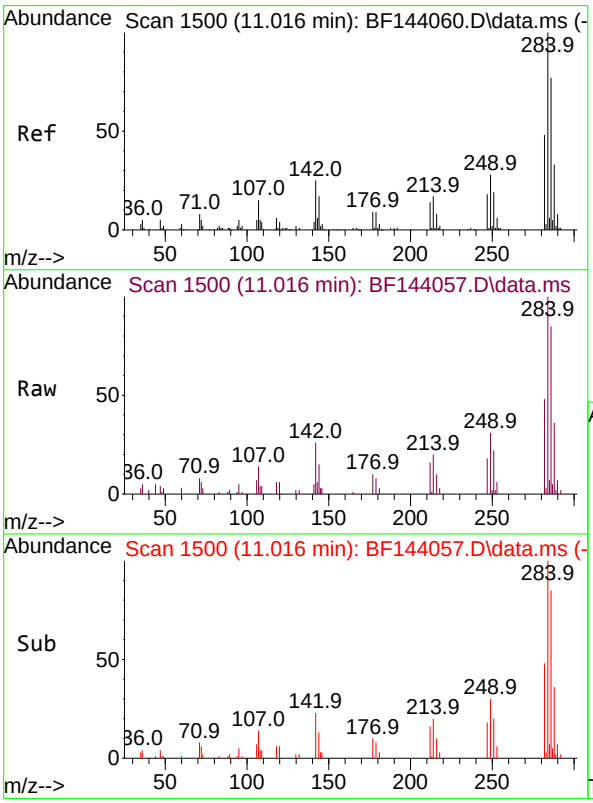
#67
4-Bromophenyl-phenylether
Concen: 5.466 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 14748

Ion	Ratio	Lower	Upper
248	100		
250	106.1	77.8	116.6
141	62.8	50.5	75.7

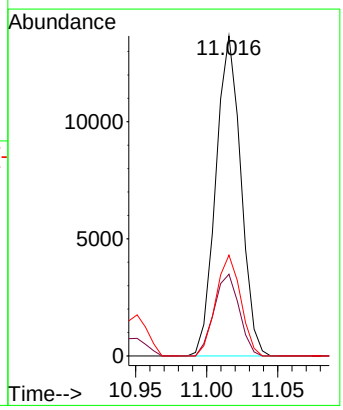


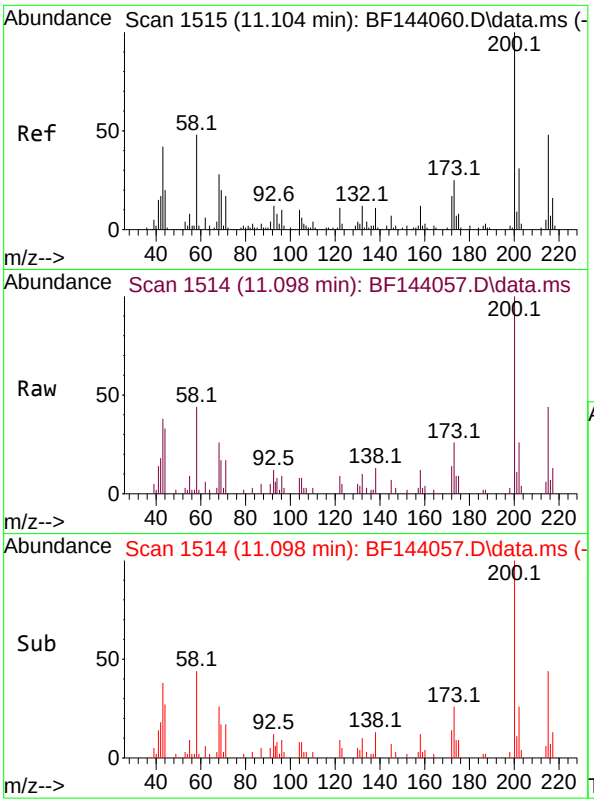


#68
Hexachlorobenzene
Concen: 5.070 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:284 Resp: 16776

Ion	Ratio	Lower	Upper
284	100		
142	25.5	20.0	30.0
249	31.5	22.2	33.2



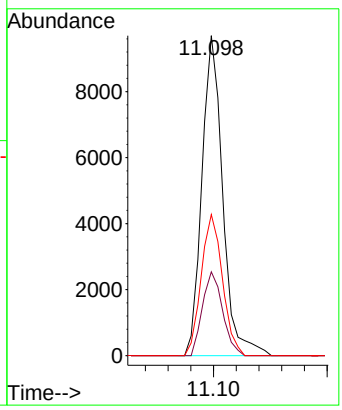


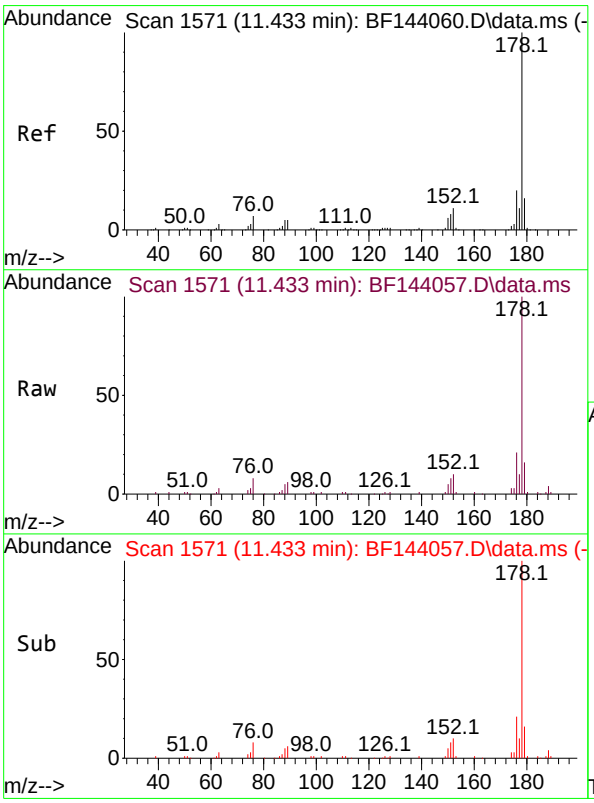
#69
Atrazine
Concen: 5.458 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 12331

Ion	Ratio	Lower	Upper
200	100		
173	26.2	4.9	44.9
215	44.1	28.2	68.2

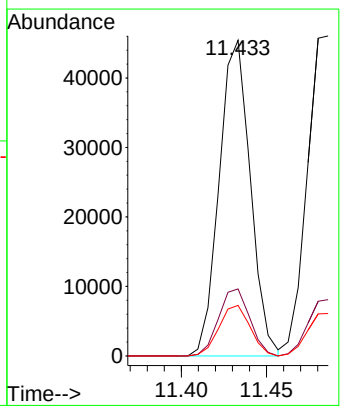


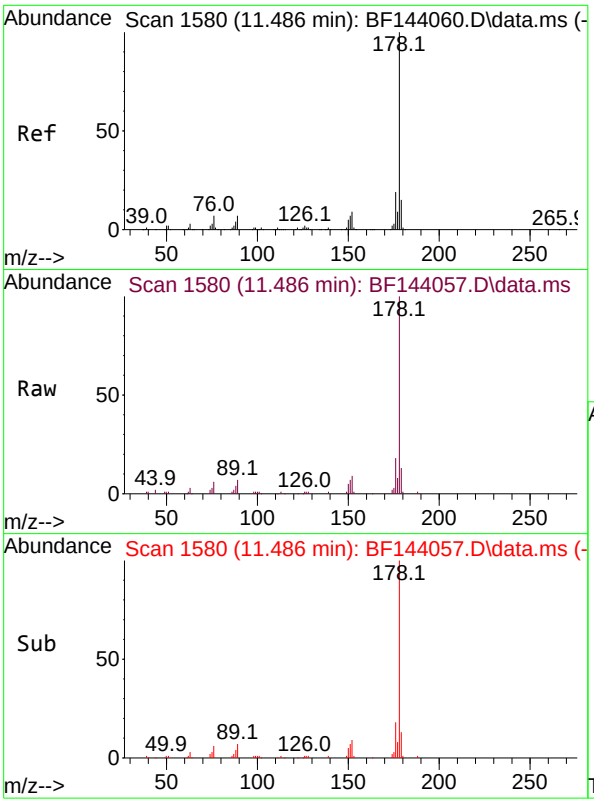


#71
Phenanthrene
Concen: 5.398 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:178 Resp: 57785

Ion	Ratio	Lower	Upper
178	100		
176	21.2	16.3	24.5
179	16.0	12.6	18.8



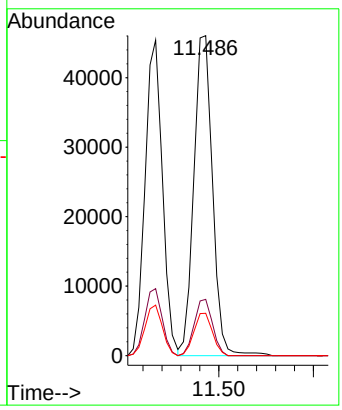


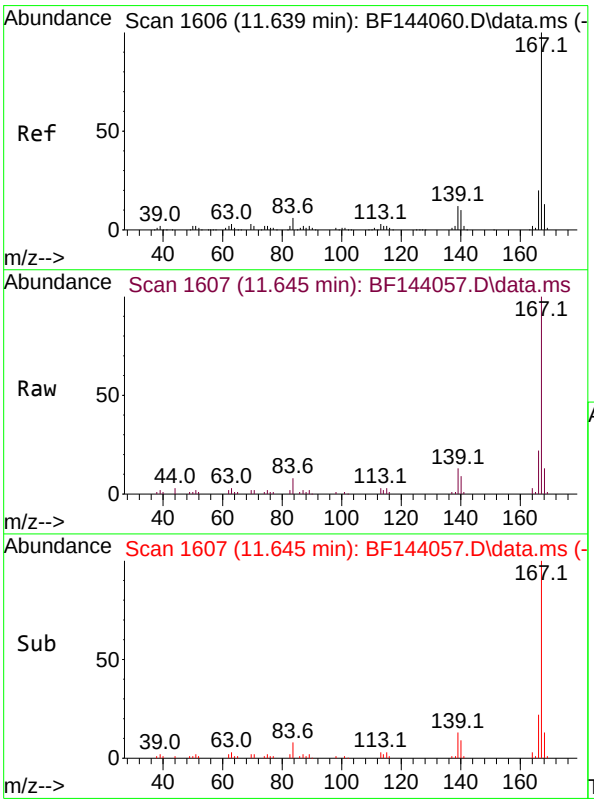
#72
Anthracene
Concen: 5.704 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 63077

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.4
179	13.2	11.8	17.6

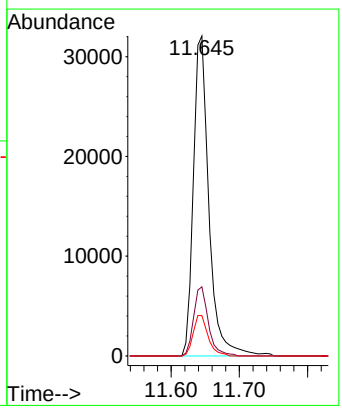


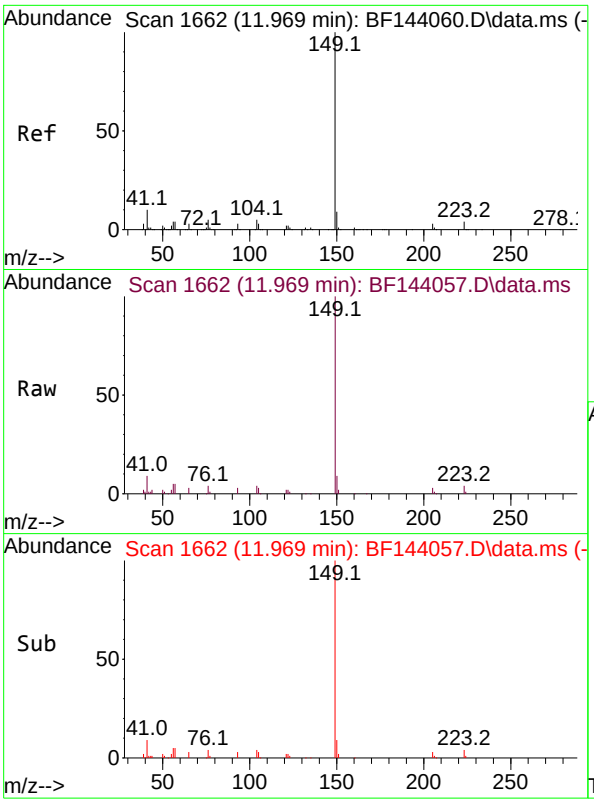


#73
Carbazole
Concen: 5.399 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:167 Resp: 50818

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.1	24.1
139	12.6	9.8	14.6



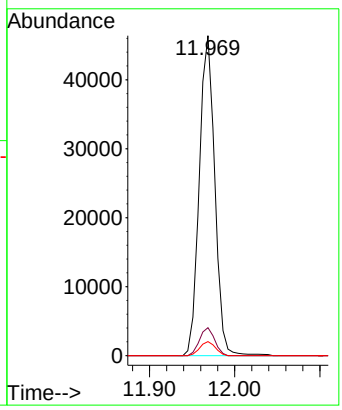


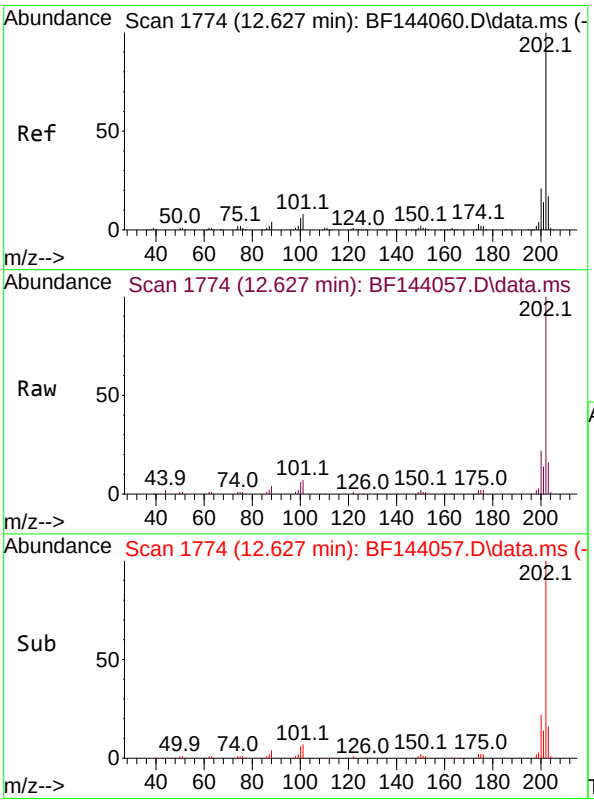
#74
Di-n-butylphthalate
Concen: 5.088 ng
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 58713

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

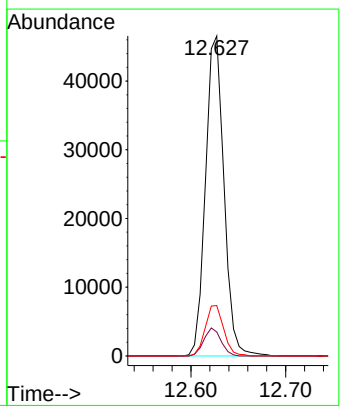


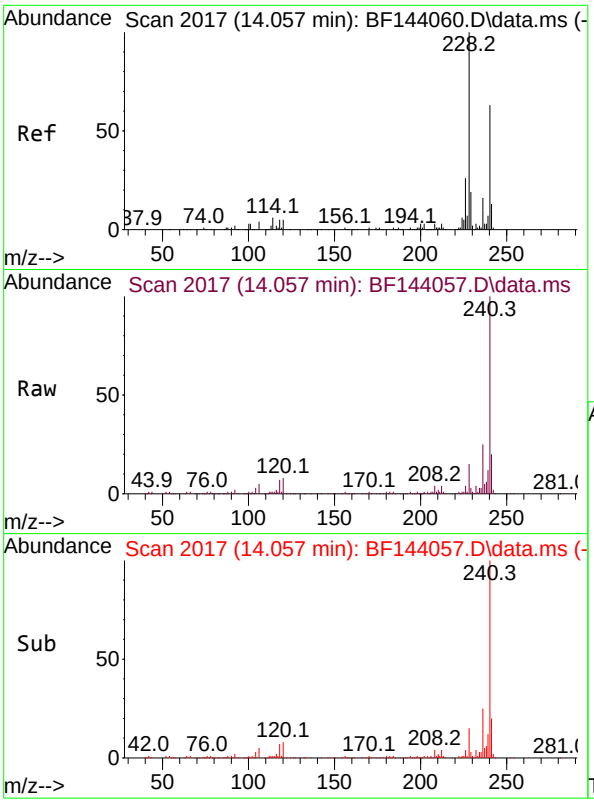


#75
Fluoranthene
Concen: 5.333 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:202 Resp: 63073

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



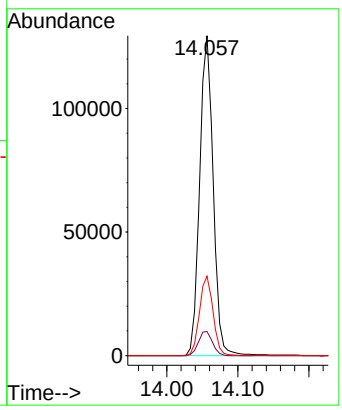


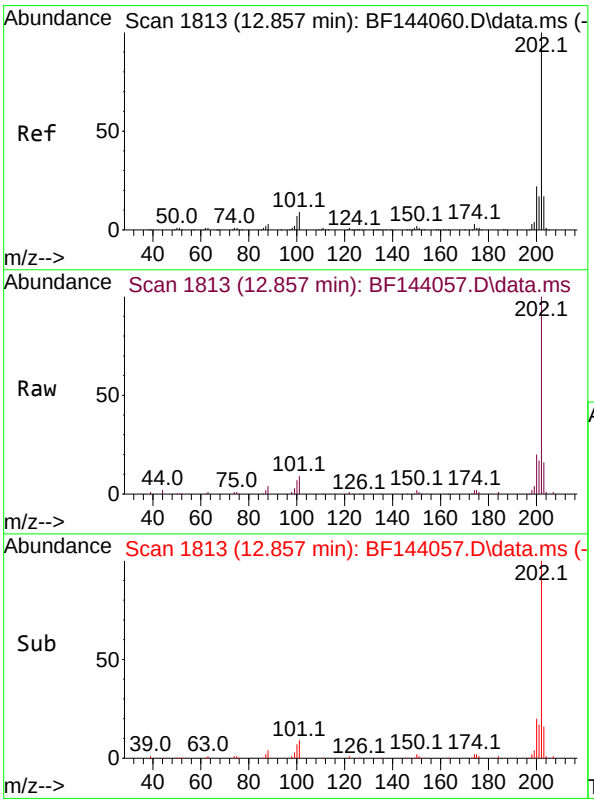
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 170453

Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.5	9.7
236	24.8	20.1	30.1

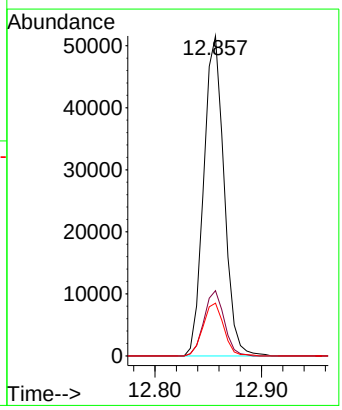


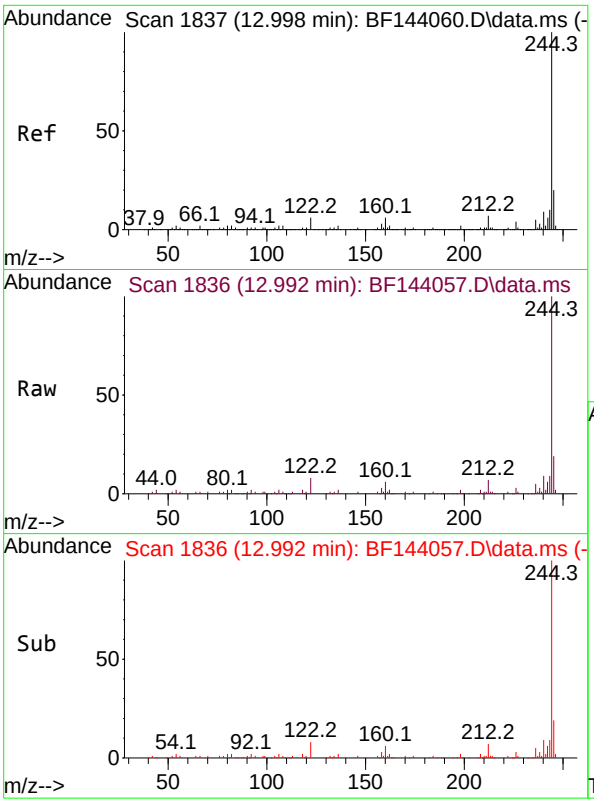


#78
Pyrene
Concen: 5.573 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:202 Resp: 68289

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	16.5	13.5	20.3



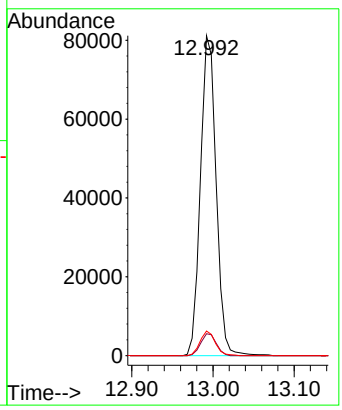


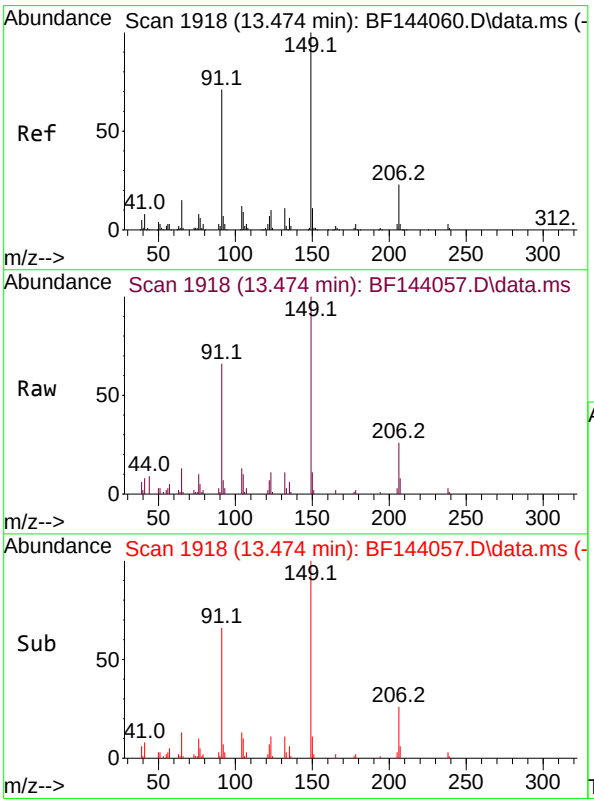
#79
Terphenyl-d14
Concen: 11.189 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 109089

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	7.7	4.9	7.3#

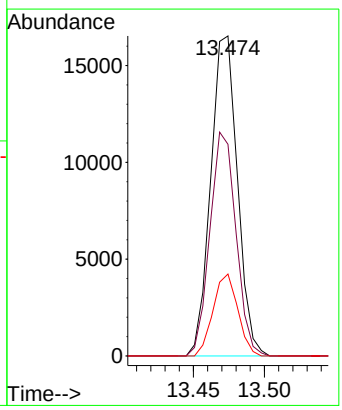


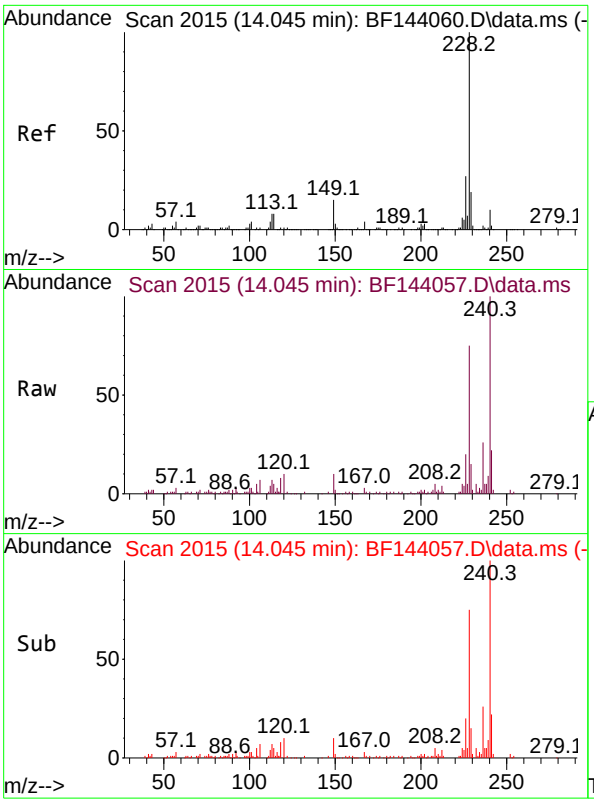


#80
Butylbenzylphthalate
Concen: 4.669 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:149 Resp: 21644

Ion	Ratio	Lower	Upper
149	100		
91	66.1	56.6	84.8
206	25.6	18.3	27.5



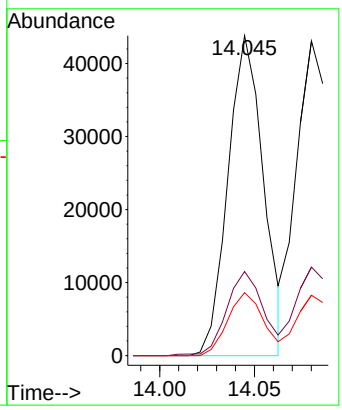


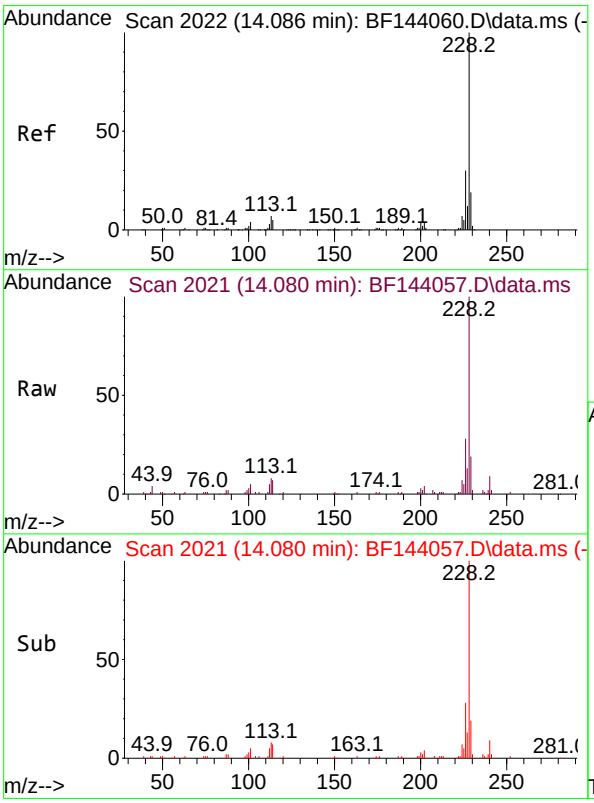
#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 57138

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.4	32.2
229	19.7	15.3	22.9

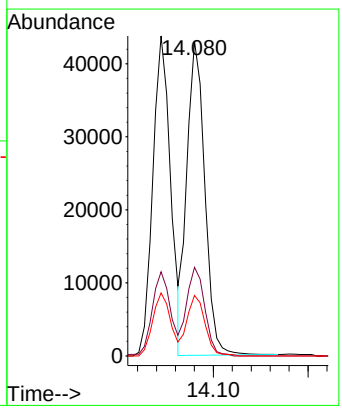


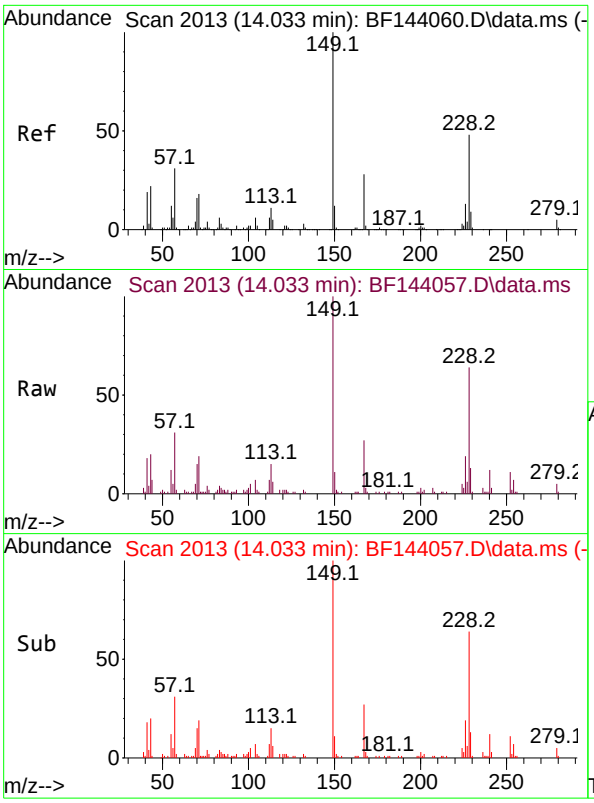


#83
Chrysene
Concen: 5.245 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:228 Resp: 56694

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.8	35.6
229	19.2	15.6	23.4



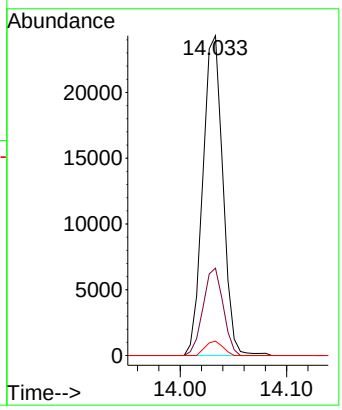


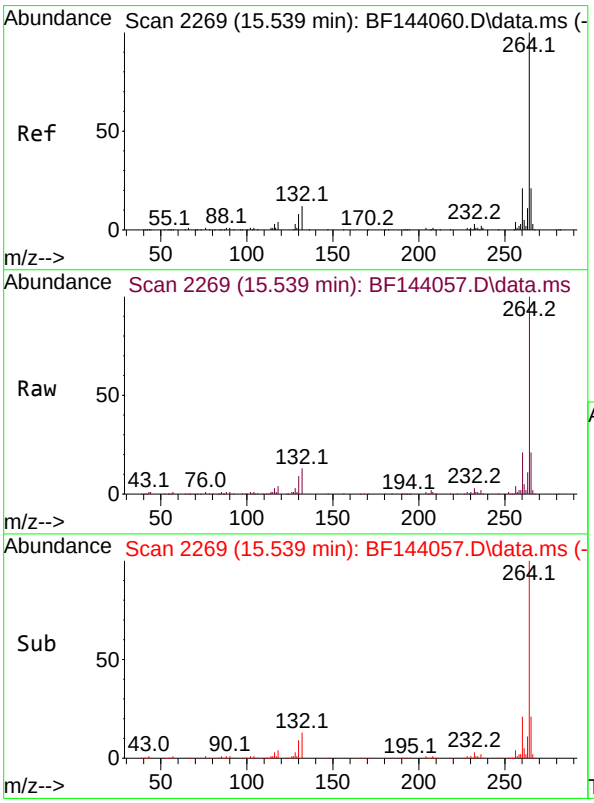
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.013 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 31727

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.5	33.7
279	4.5	3.6	5.4

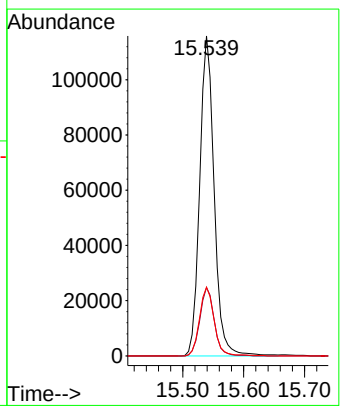


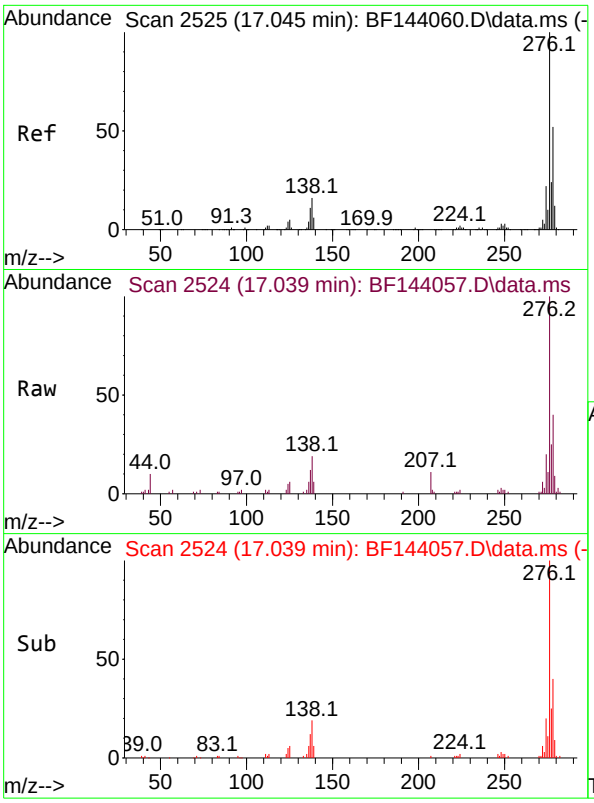


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:264 Resp: 190551

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.0	25.4
265	21.5	16.6	24.8



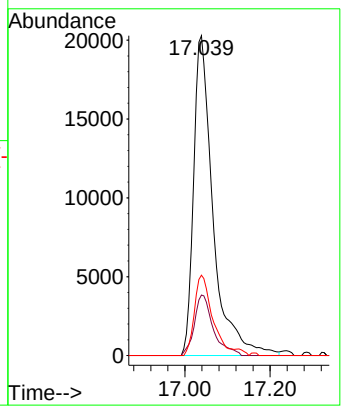


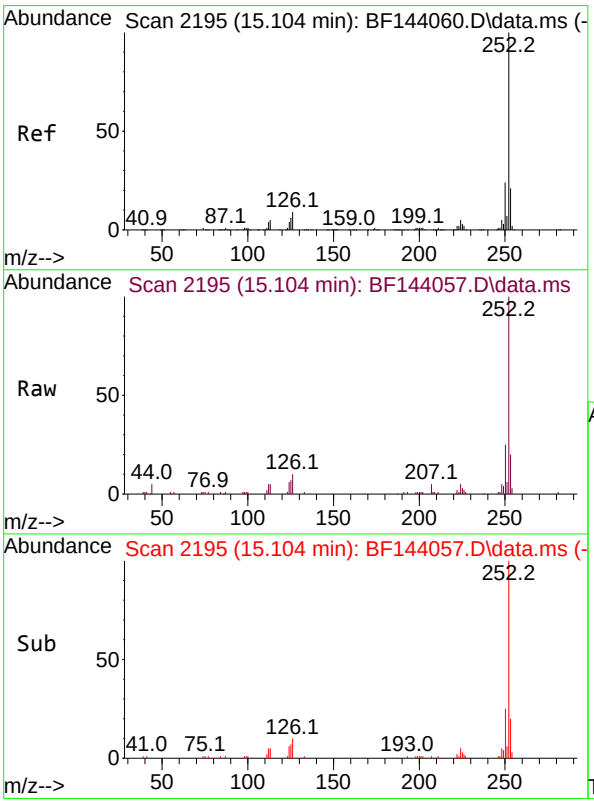
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.918 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 64345

Ion	Ratio	Lower	Upper
276	100		
138	18.4	13.0	19.6
277	24.2	19.4	29.0

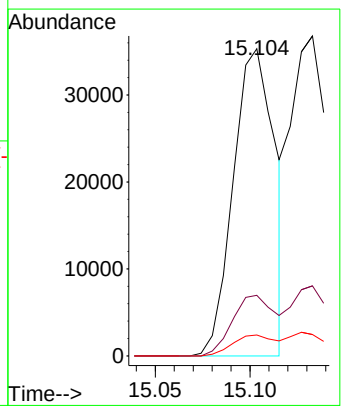


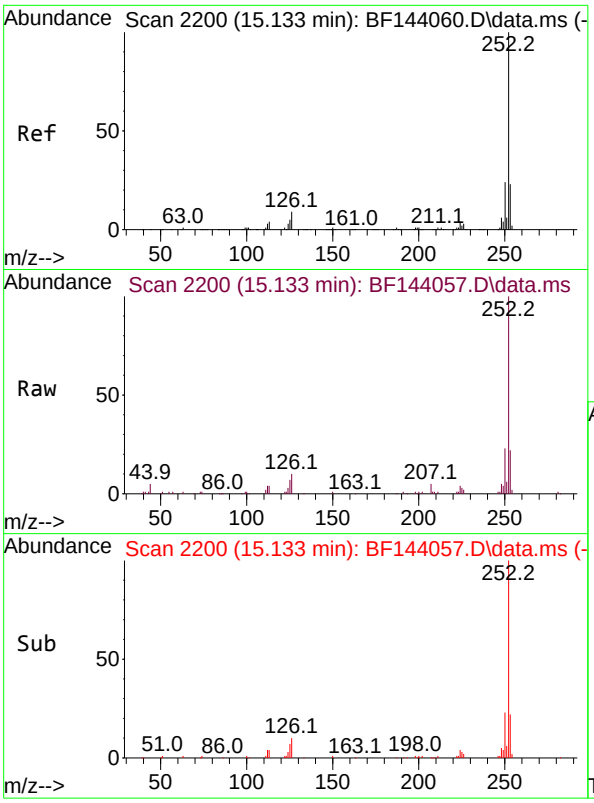


#88
Benzo(b)fluoranthene
Concen: 5.014 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:252 Resp: 54015

Ion	Ratio	Lower	Upper
252	100		
253	19.7	17.2	25.8
125	6.8	5.0	7.6



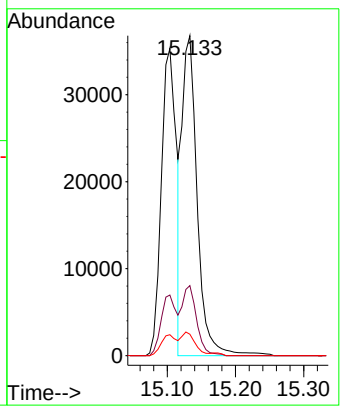


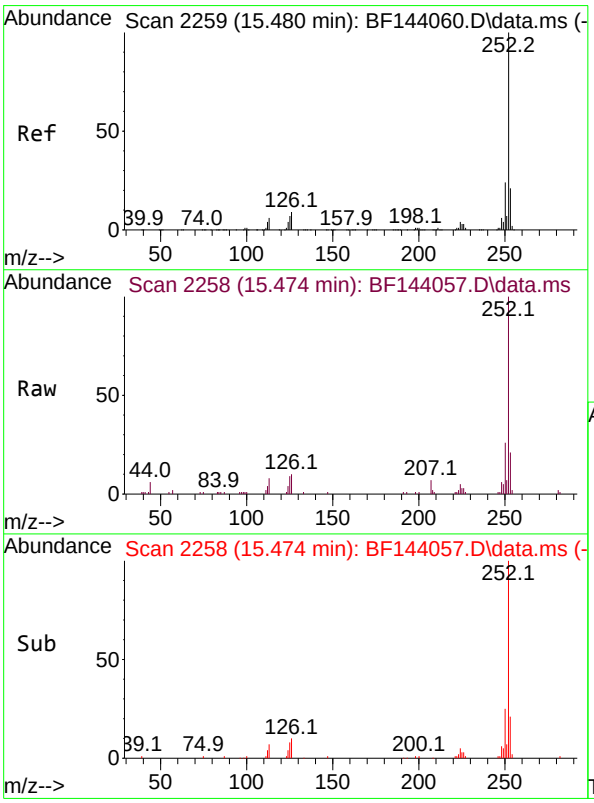
#89
Benzo(k)fluoranthene
Concen: 5.782 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 57466

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	6.7	4.9	7.3

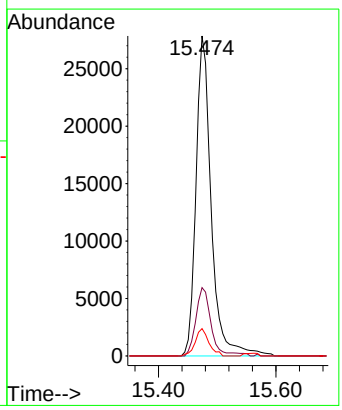


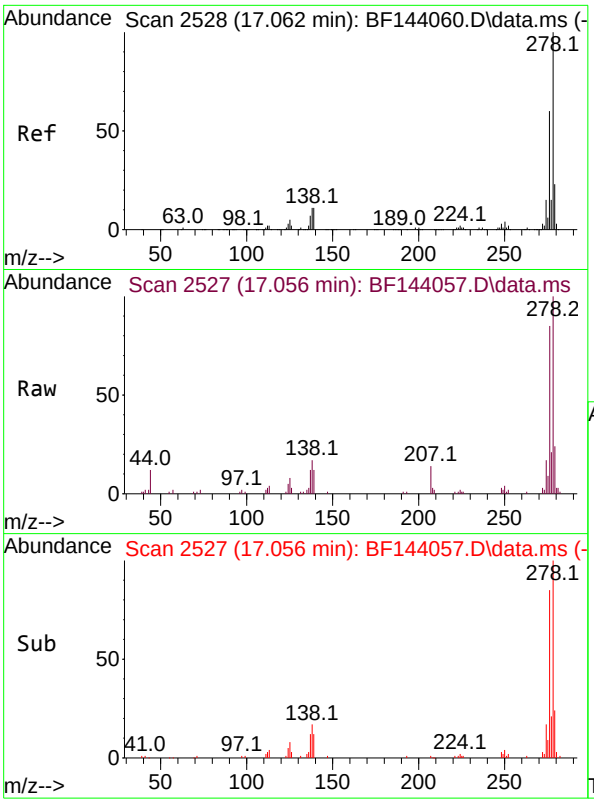


#90
Benzo(a)pyrene
Concen: 5.173 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:252 Resp: 49993

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	8.5	5.4	8.2#



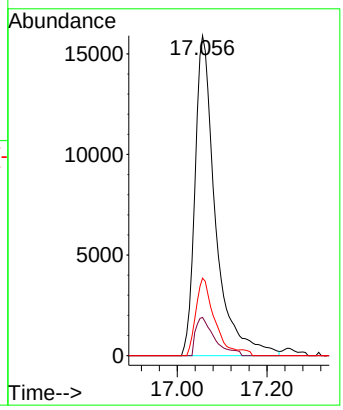


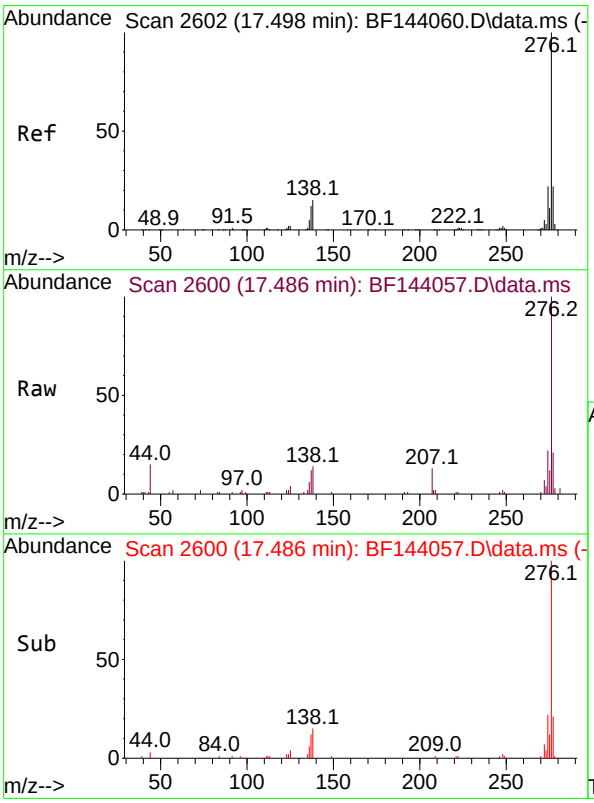
#91
Dibenzo(a,h)anthracene
Concen: 4.865 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 50377

Ion	Ratio	Lower	Upper
278	100		
139	11.9	8.5	12.7
279	24.2	18.6	28.0

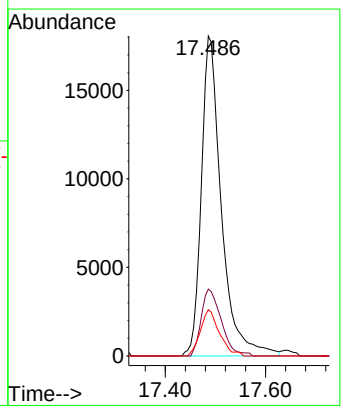




#92
Benzo(g,h,i)perylene
Concen: 4.807 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:276 Resp: 50046

Ion	Ratio	Lower	Upper
276	100		
277	20.9	17.9	26.9
138	14.5	12.0	18.0



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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

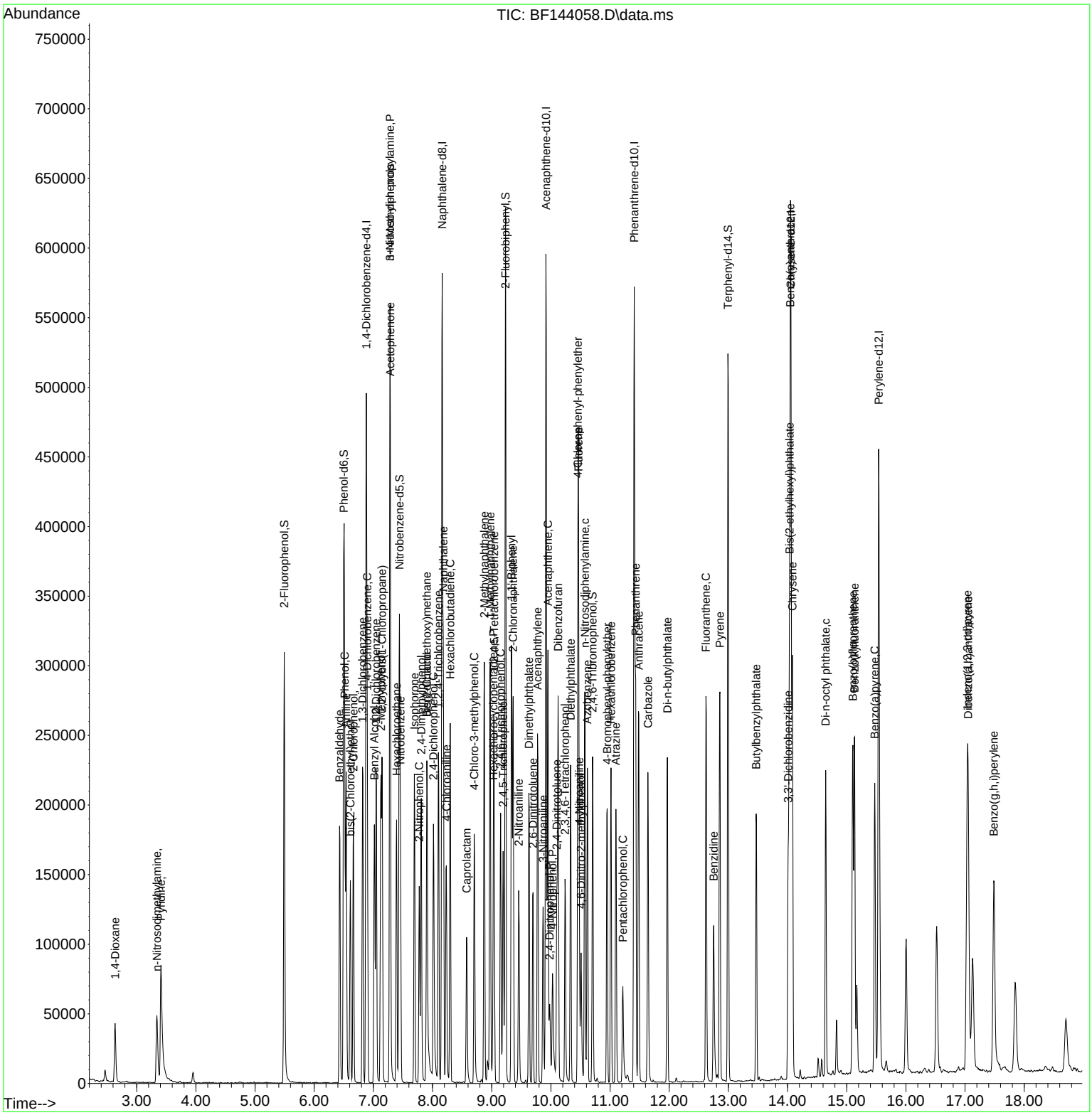
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	44114	10.341	ng	96
46) 1,1'-Biphenyl	9.334	154	139423	10.704	ng	99
47) 2-Chloronaphthalene	9.363	162	115014	10.540	ng	94
48) 2-Nitroaniline	9.457	65	32649	10.076	ng	99
49) Acenaphthylene	9.775	152	154058	10.470	ng	99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

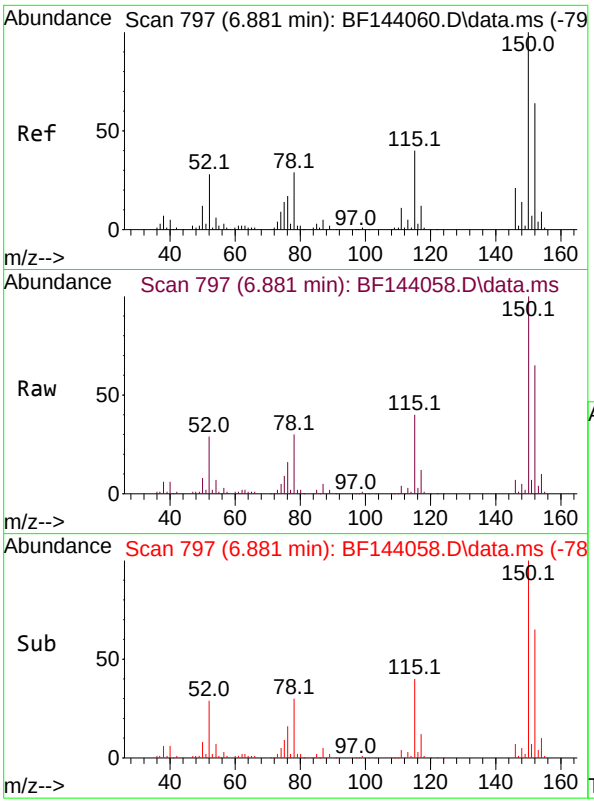
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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



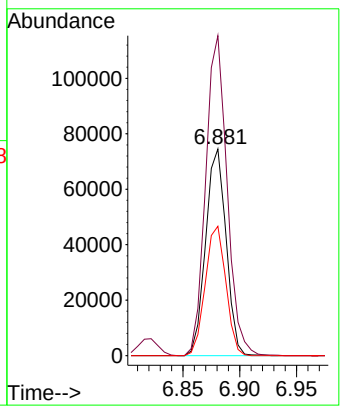


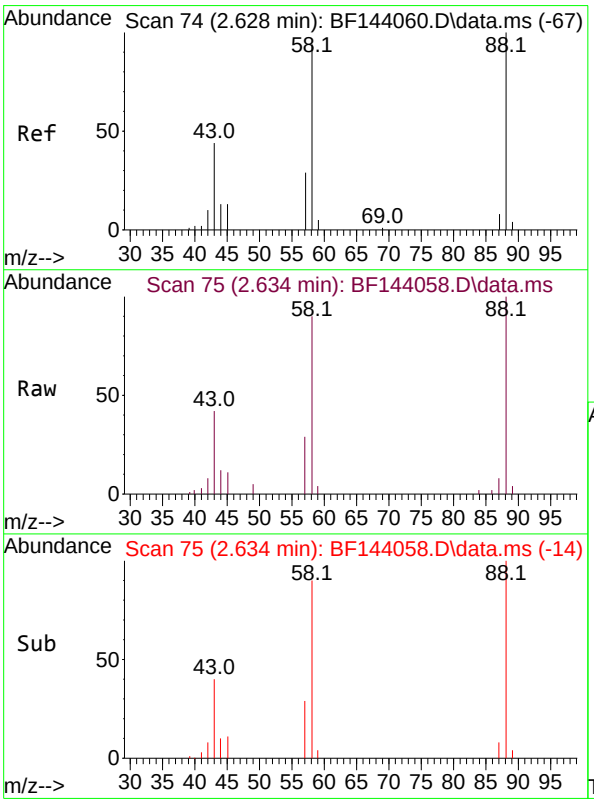
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 93506

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.4	186.6
115	62.6	49.4	74.0

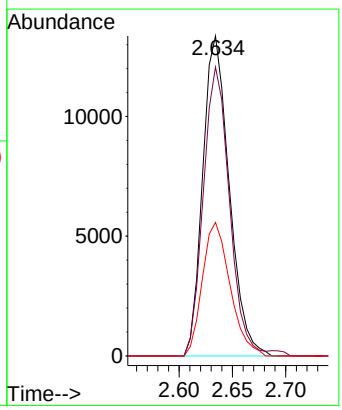


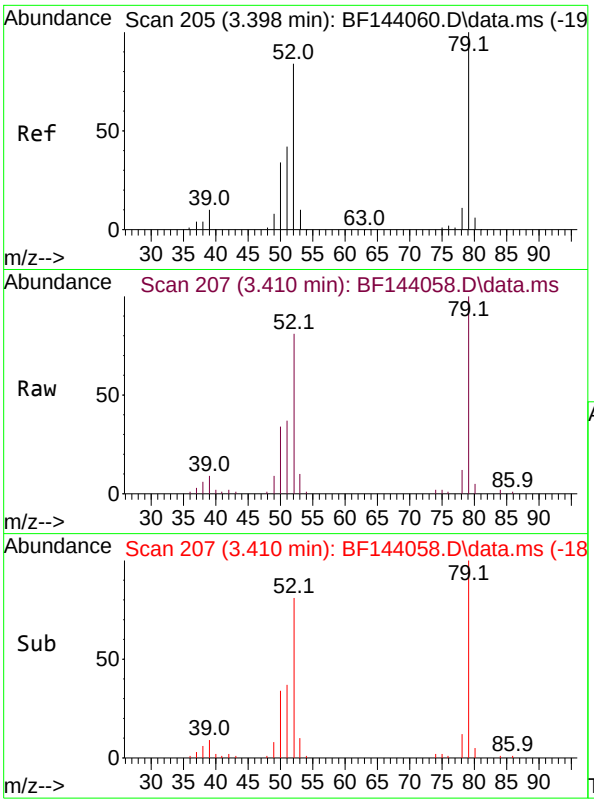


#2
1,4-Dioxane
Concen: 9.040 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 88 Resp: 23088

Ion	Ratio	Lower	Upper
88	100		
58	89.8	76.5	114.7
43	43.6	35.3	52.9



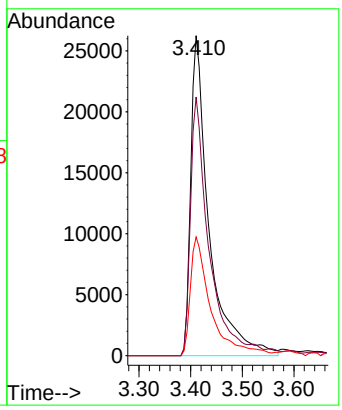


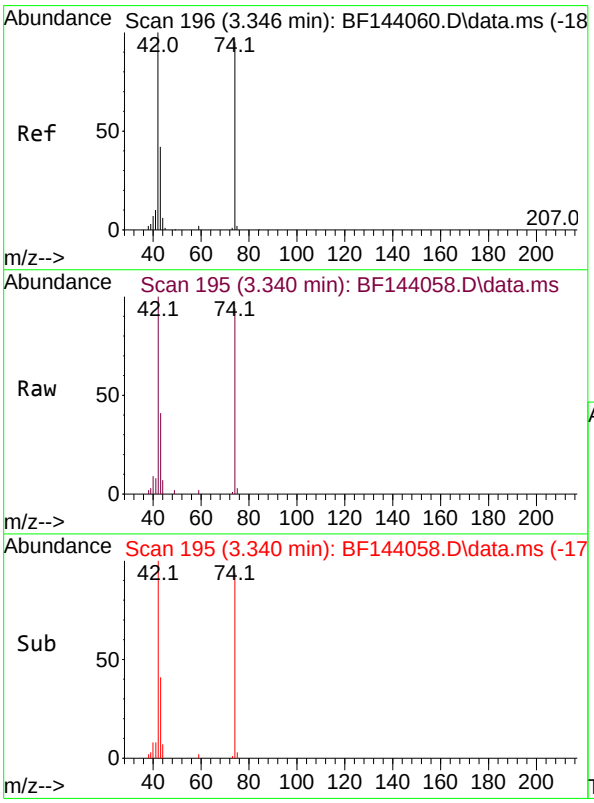
#3
Pyridine
Concen: 9.463 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 64703

Ion	Ratio	Lower	Upper
79	100		
52	80.8	67.5	101.3
51	37.1	33.6	50.4

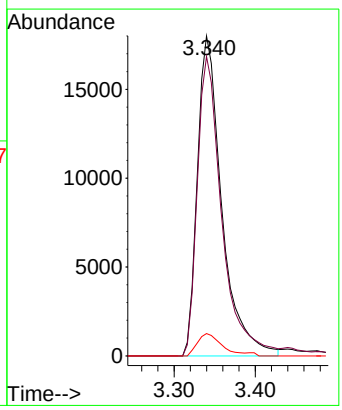


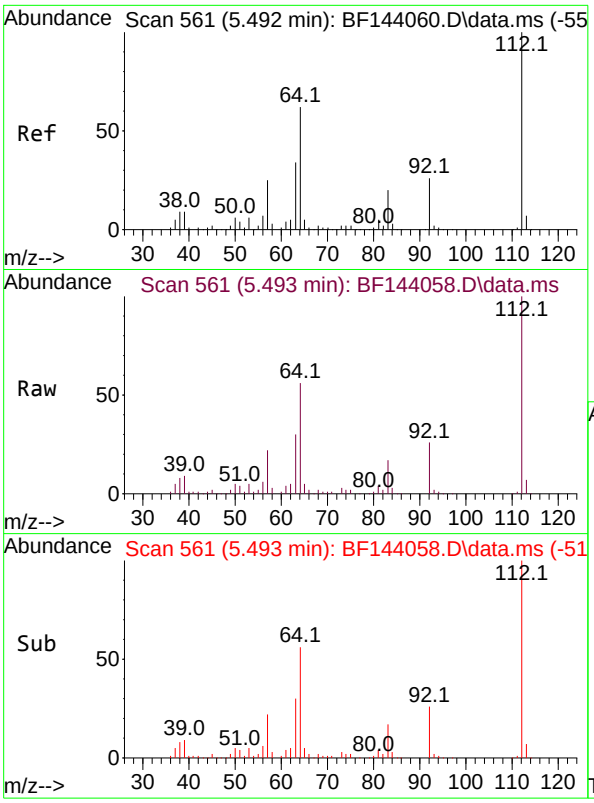


#4
n-Nitrosodimethylamine
Concen: 8.963 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 42 Resp: 37657

Ion	Ratio	Lower	Upper
42	100		
74	93.6	76.4	114.6
44	7.0	5.2	7.8



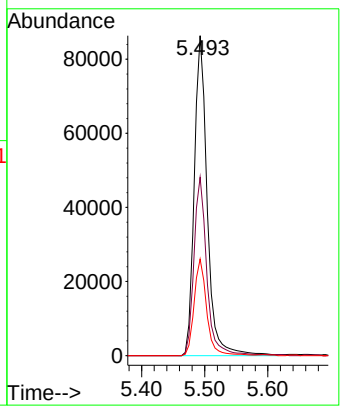


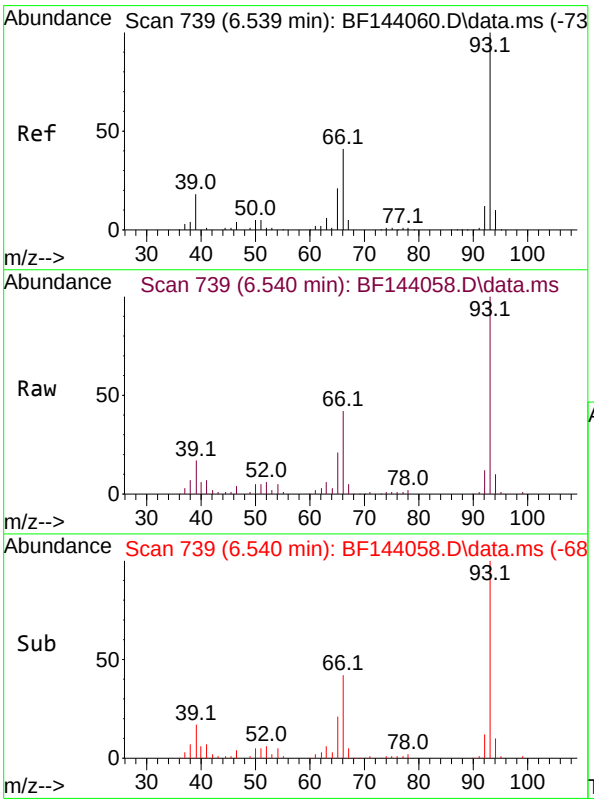
#5
2-Fluorophenol
Concen: 20.923 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 123660

Ion	Ratio	Lower	Upper
112	100		
64	55.8	49.8	74.8
63	30.2	27.4	41.2

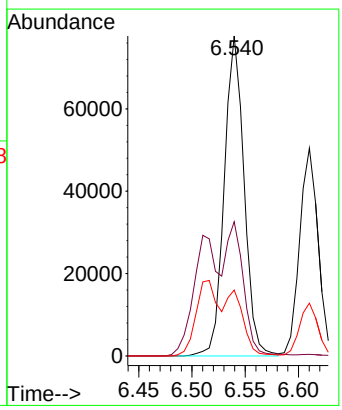


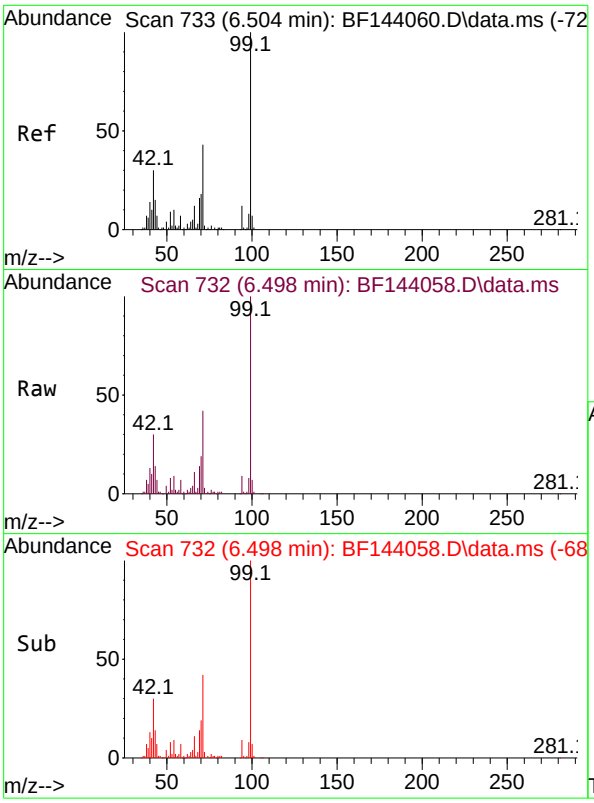


#6
Aniline
Concen: 10.776 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 93 Resp: 100630

Ion	Ratio	Lower	Upper
93	100		
66	41.9	35.7	53.5
65	20.6	17.0	25.6



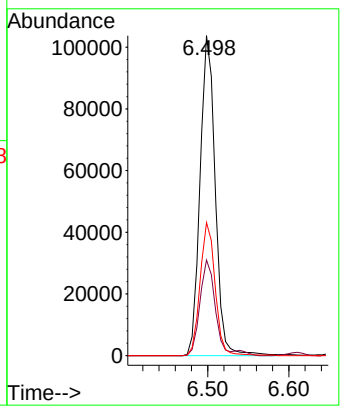


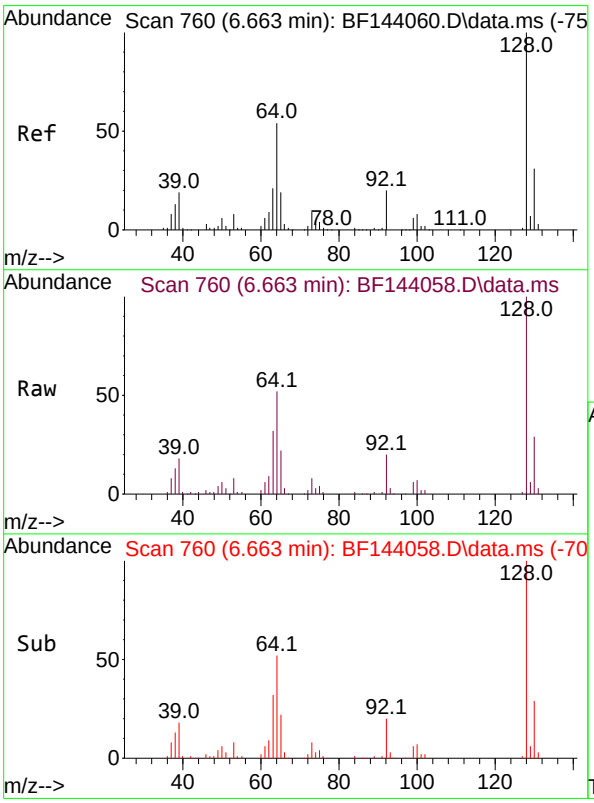
#7
Phenol-d6
Concen: 20.673 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 134938

Ion	Ratio	Lower	Upper
99	100		
42	29.9	23.9	35.9
71	41.6	34.4	51.6

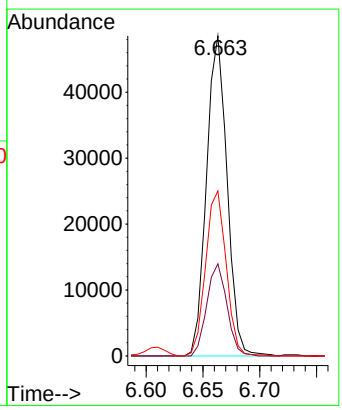


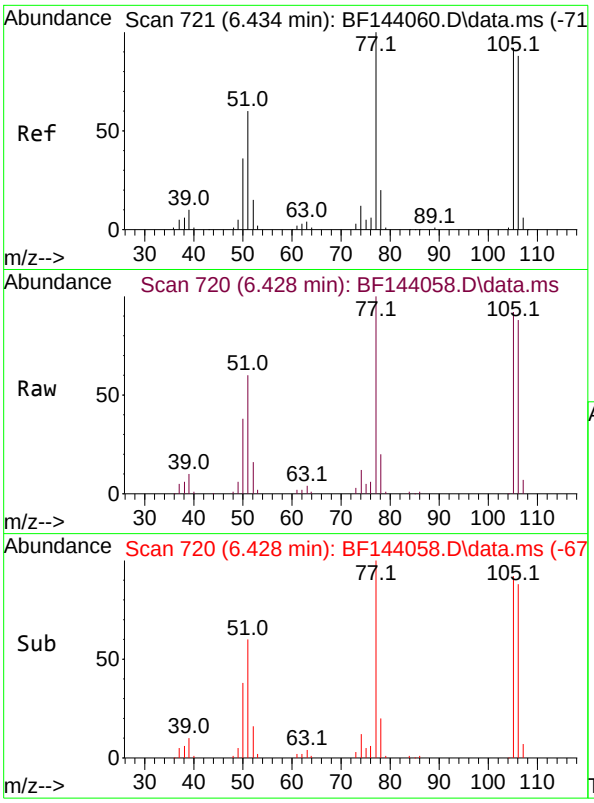


#8
2-Chlorophenol
Concen: 10.526 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:128 Resp: 61265

Ion	Ratio	Lower	Upper
128	100		
130	28.8	10.7	50.7
64	51.5	34.7	74.7



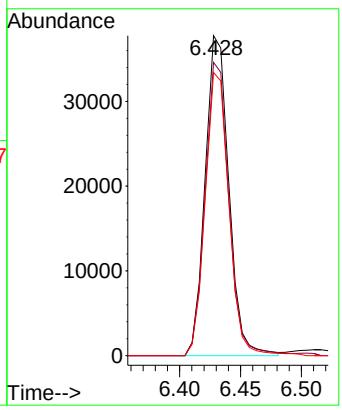


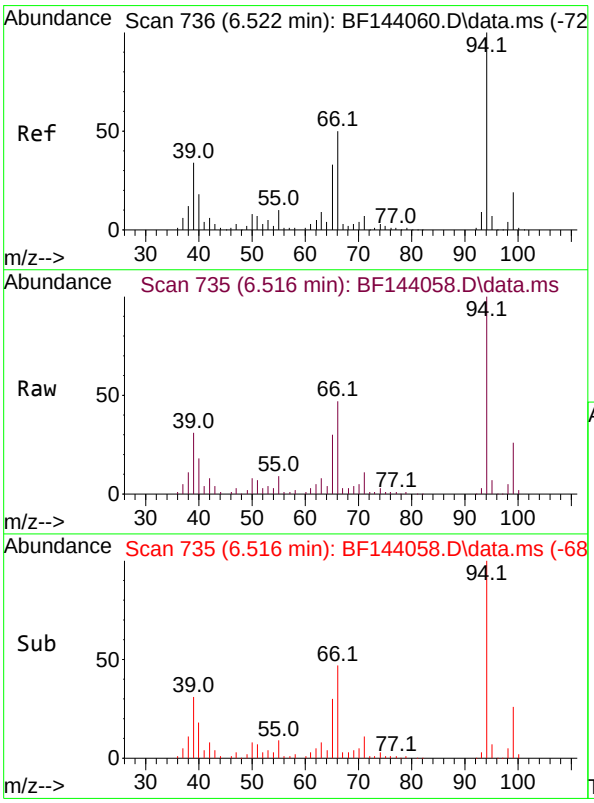
#9
Benzaldehyde
Concen: 10.081 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 51089

Ion	Ratio	Lower	Upper
77	100		
105	91.6	72.2	112.2
106	88.5	67.9	107.9

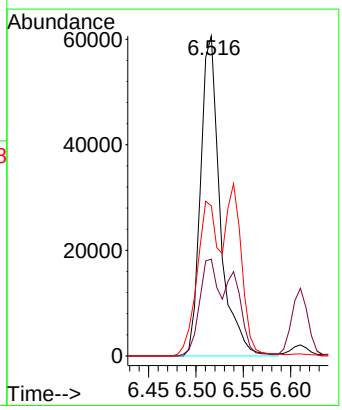


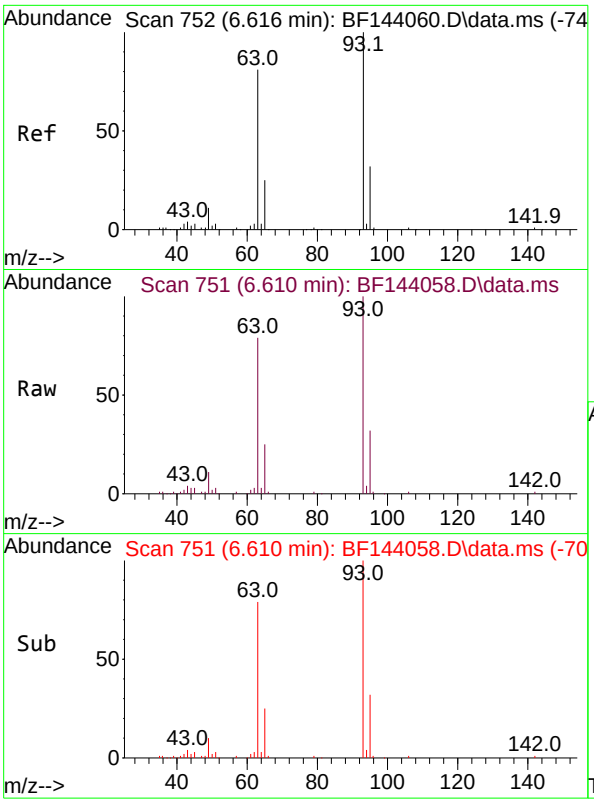


#10
Phenol
Concen: 10.799 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 94 Resp: 86962

Ion	Ratio	Lower	Upper
94	100		
65	30.2	13.1	53.1
66	46.9	30.6	70.6



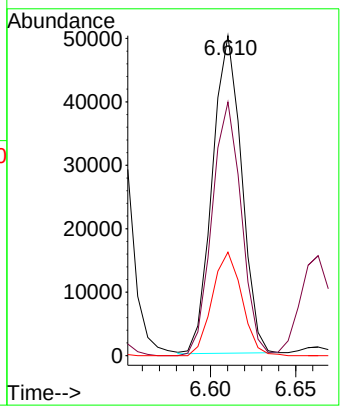


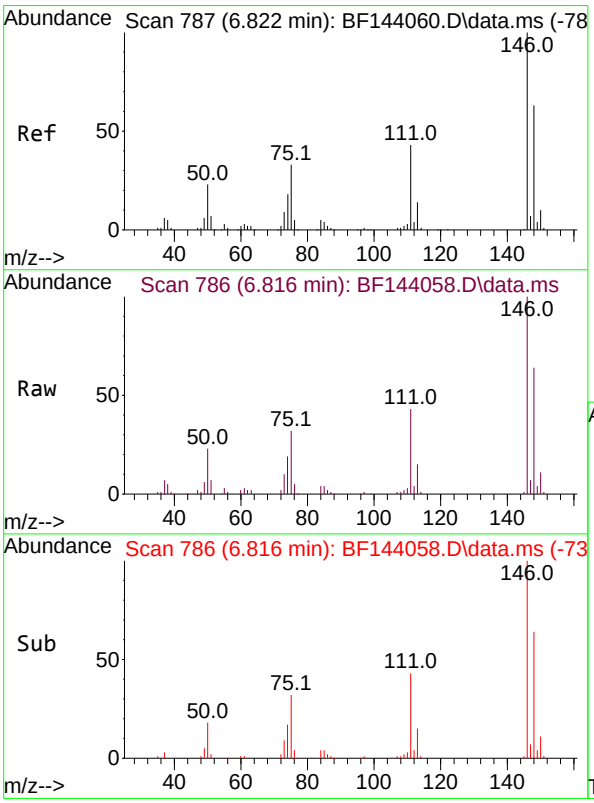
#11
bis(2-Chloroethyl)ether
Concen: 10.271 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 59764

Ion	Ratio	Lower	Upper
93	100		
63	79.2	60.2	100.2
95	32.3	12.4	52.4

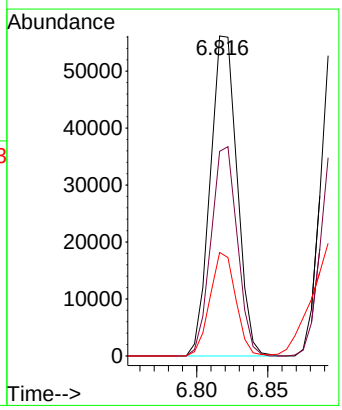


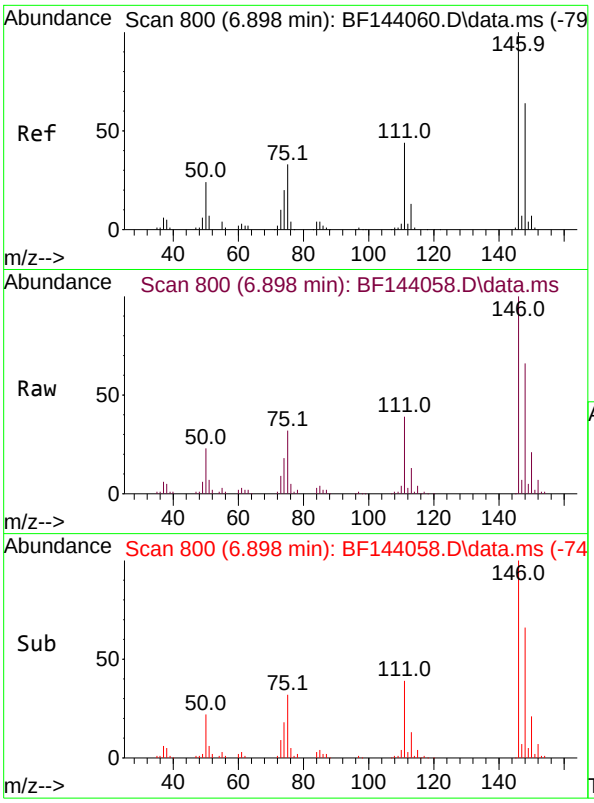


#12
1,3-Dichlorobenzene
Concen: 10.303 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:146 Resp: 73976

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	32.3	26.6	40.0



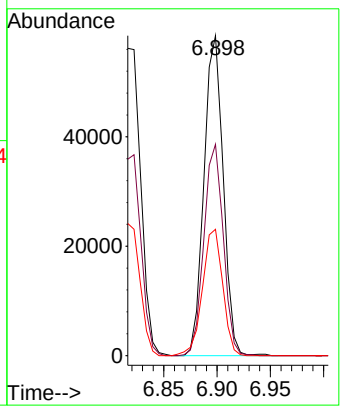


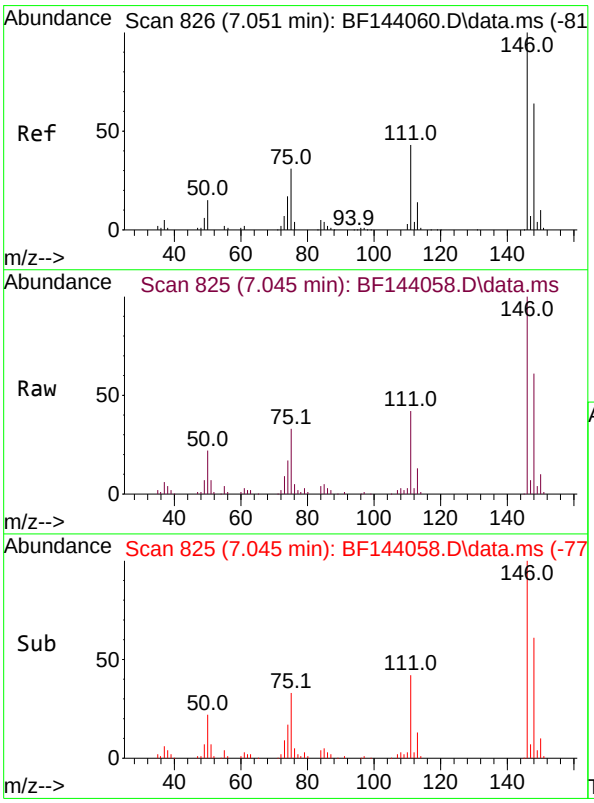
#13
1,4-Dichlorobenzene
Concen: 10.352 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 73246

Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.0	76.6
111	39.5	35.0	52.6

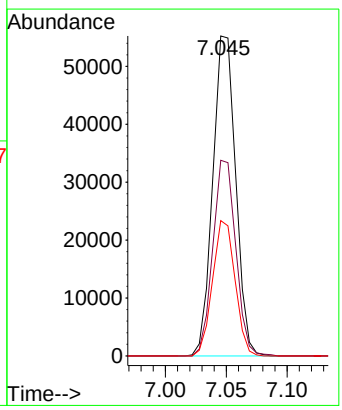


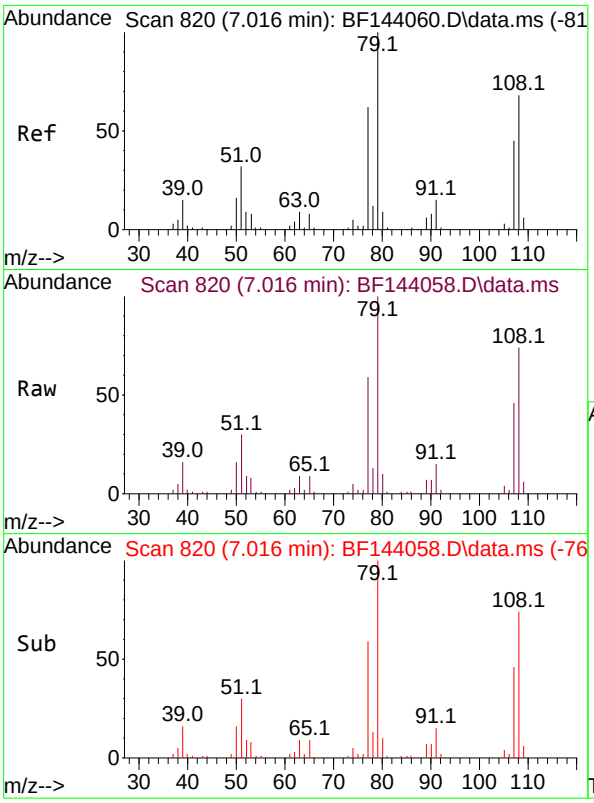


#14
1,2-Dichlorobenzene
Concen: 10.573 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:146 Resp: 72385

Ion	Ratio	Lower	Upper
146	100		
148	61.1	50.8	76.2
111	42.3	34.7	52.1



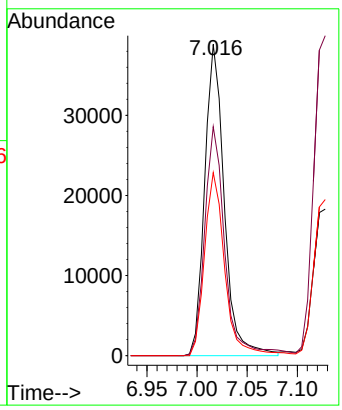


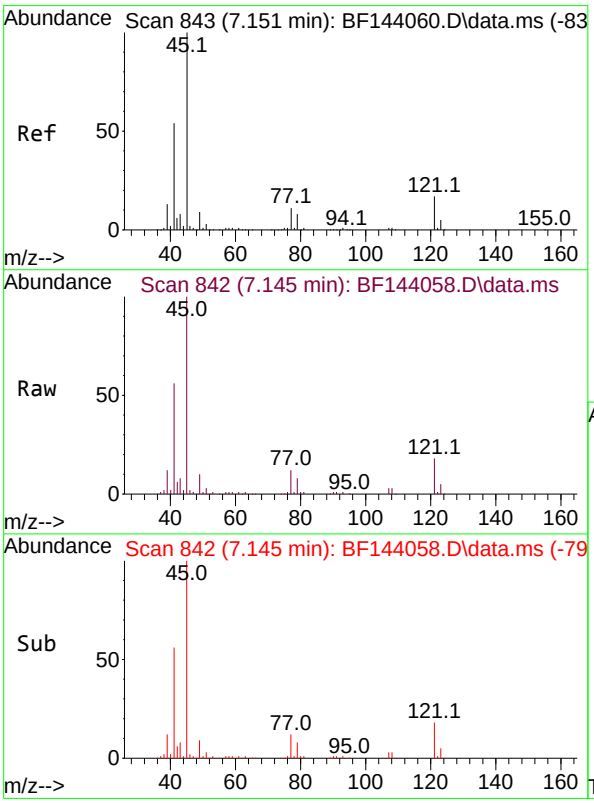
#15
Benzyl Alcohol
Concen: 9.942 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 52766

Ion	Ratio	Lower	Upper
79	100		
108	73.5	54.8	82.2
77	58.8	49.4	74.0

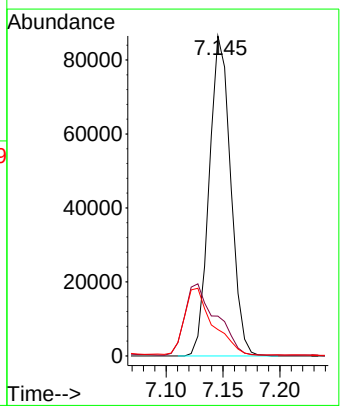


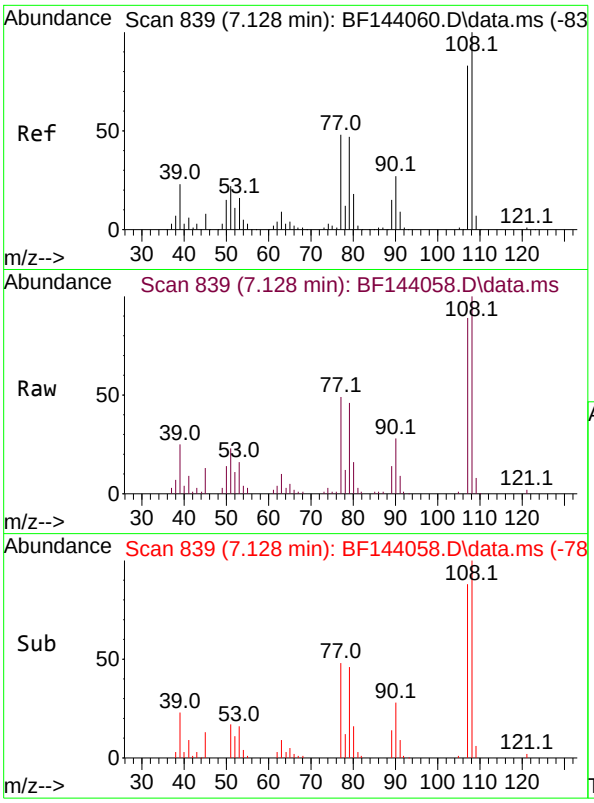


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.395 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 45 Resp: 113682

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	30.9
79	8.2	0.0	28.2



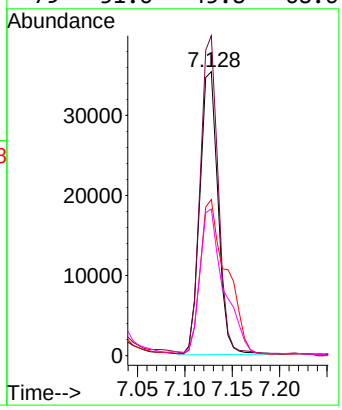


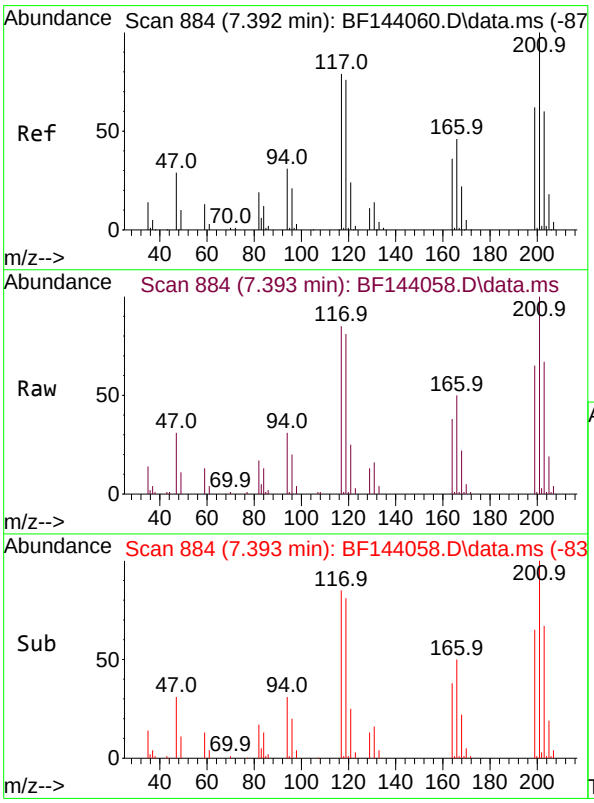
#17
2-Methylphenol
Concen: 10.548 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 47217

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

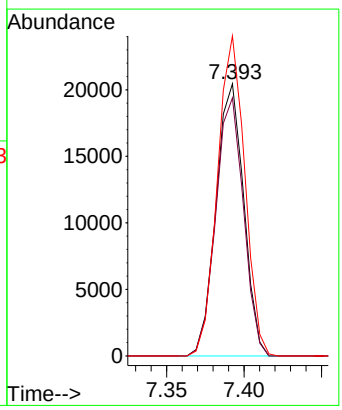


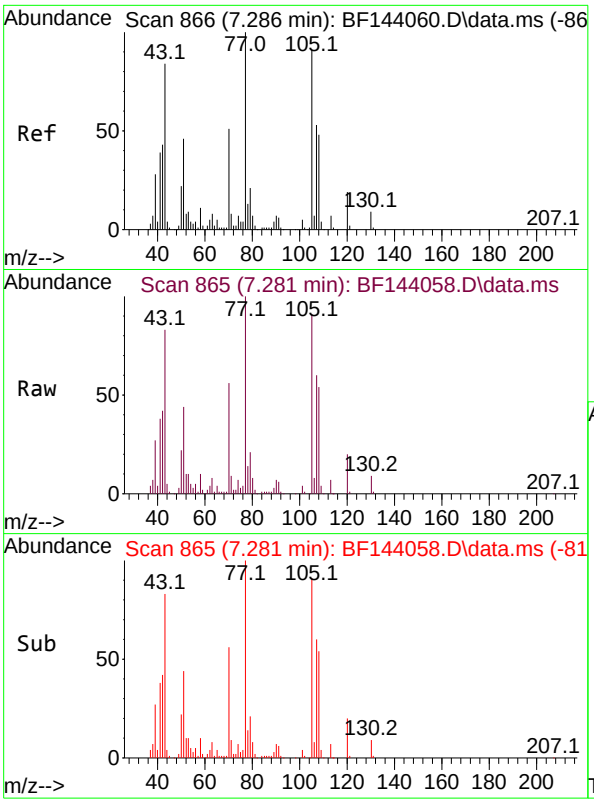


#18
Hexachloroethane
Concen: 10.058 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:117 Resp: 25444

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	115.0
201	117.6	100.9	151.3



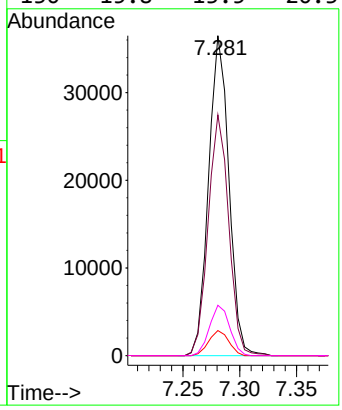


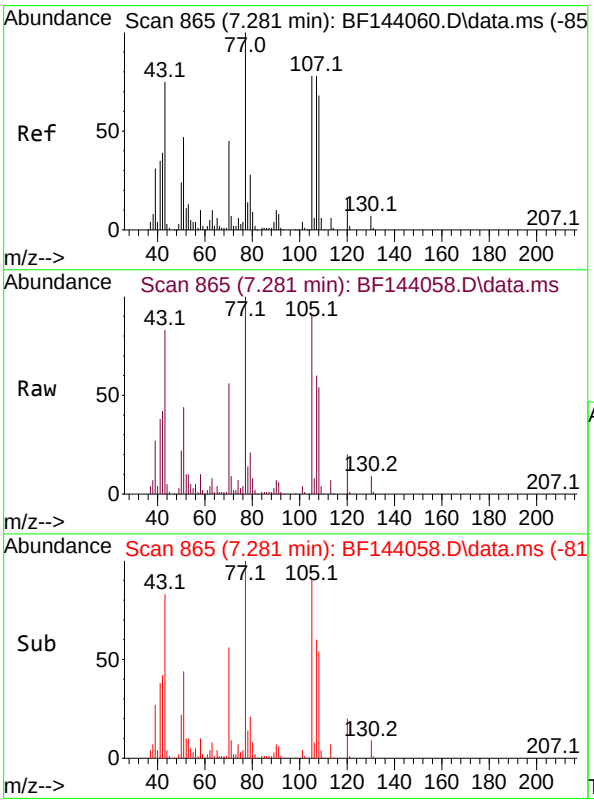
#19
n-Nitroso-di-n-propylamine
Concen: 10.764 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 45435

Ion	Ratio	Lower	Upper
70	100		
42	75.2	67.4	101.0
101	7.8	7.1	10.7
130	15.8	13.5	20.3

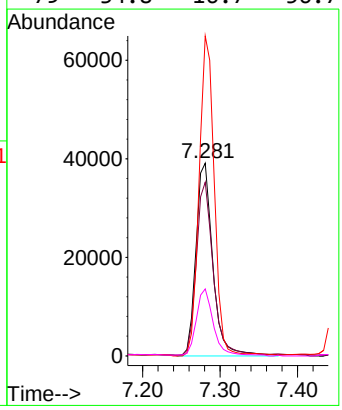


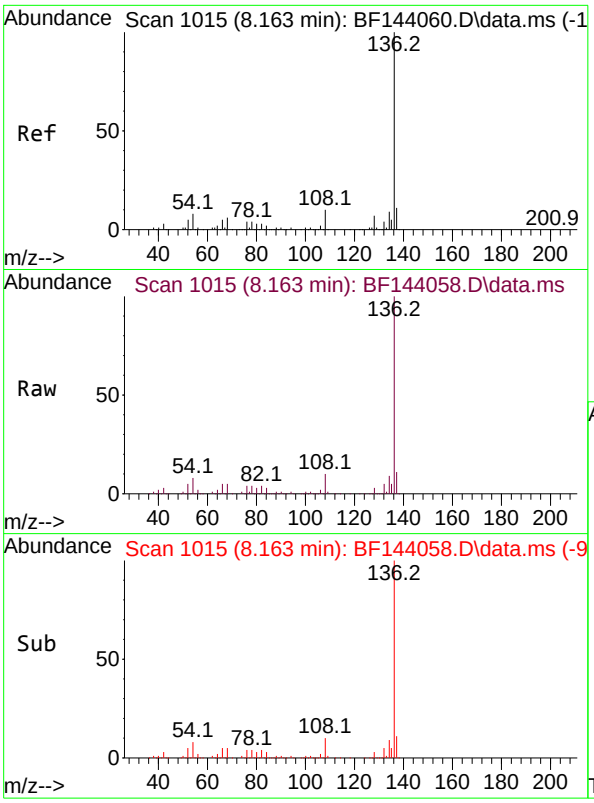


#20
3+4-Methylphenols
Concen: 11.219 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:107 Resp: 59370

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.0	108.0
77	166.0	108.7	148.7#
79	34.8	16.7	56.7



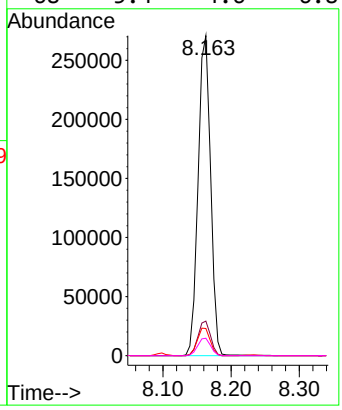


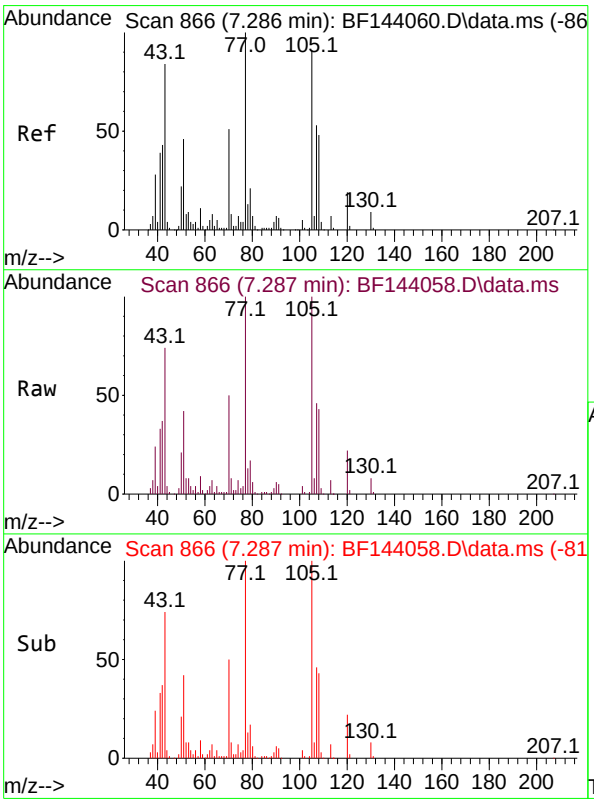
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 345633

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	6.6	9.8
68	5.4	4.6	6.8

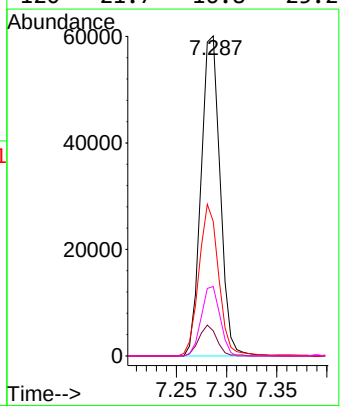


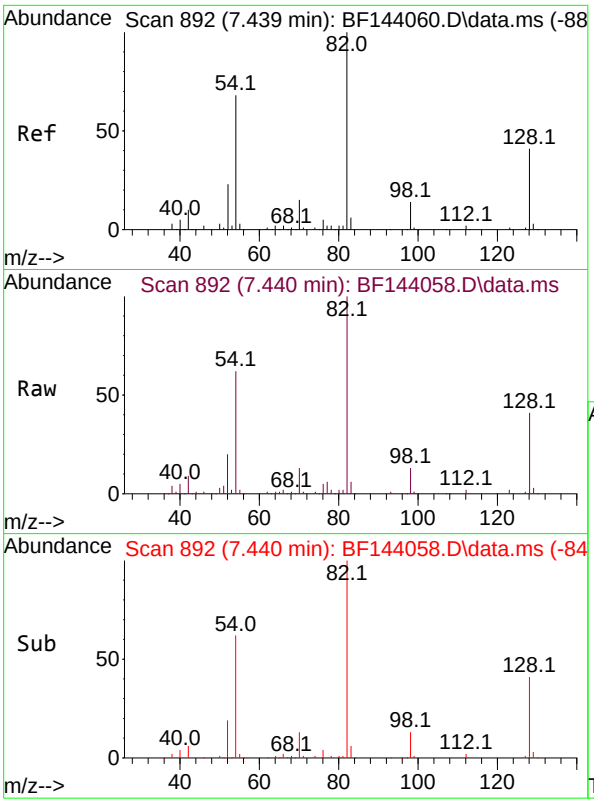


#22
Acetophenone
Concen: 10.620 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:105 Resp: 79330

Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.9	10.3
51	42.0	40.6	60.8
120	21.7	16.8	25.2



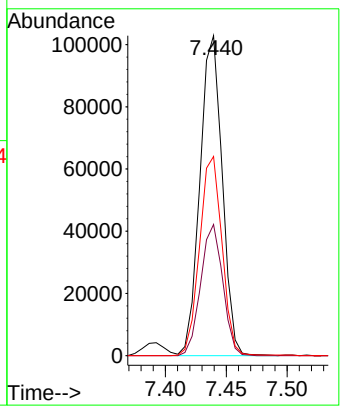


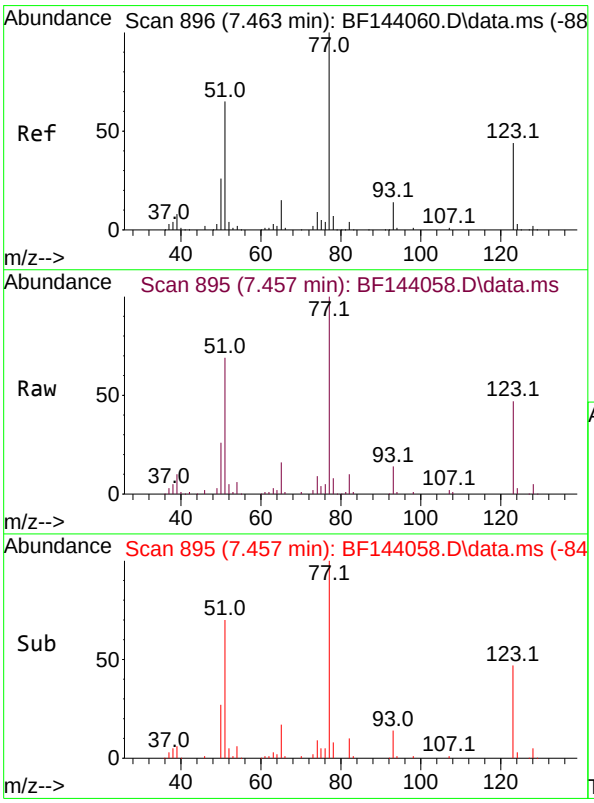
#23
Nitrobenzene-d5
Concen: 20.735 ng
RT: 7.440 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 130813

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.4	48.6
54	62.2	54.0	81.0

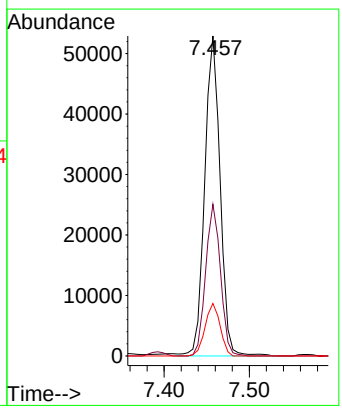


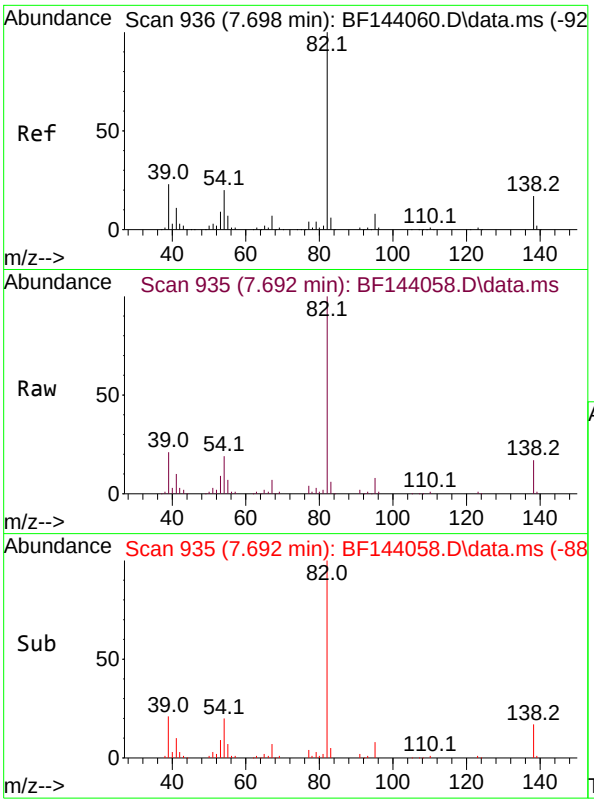


#24
Nitrobenzene
Concen: 9.941 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 77 Resp: 66345

Ion	Ratio	Lower	Upper
77	100		
123	47.4	35.0	52.6
65	16.4	12.2	18.2



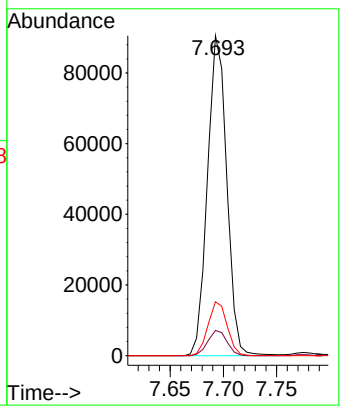


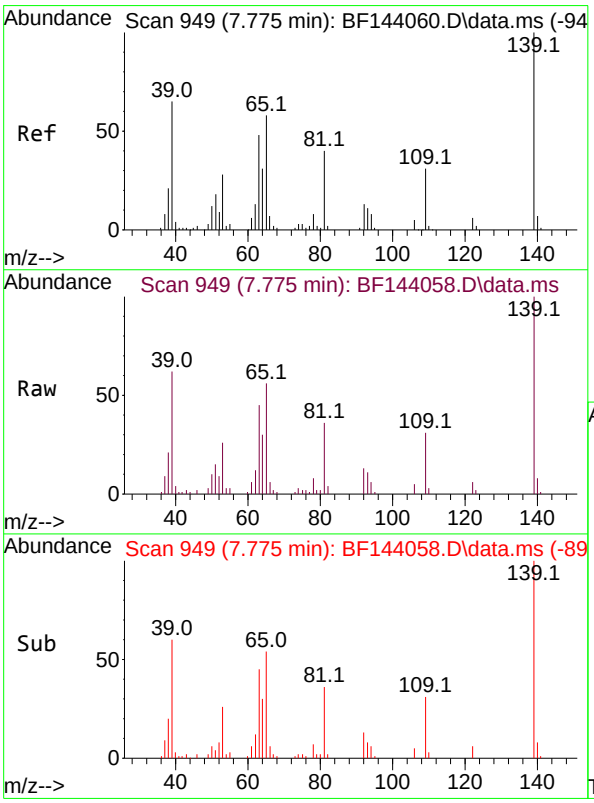
#25
Isophorone
Concen: 10.366 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 114333

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.6	9.8
138	16.8	13.8	20.8

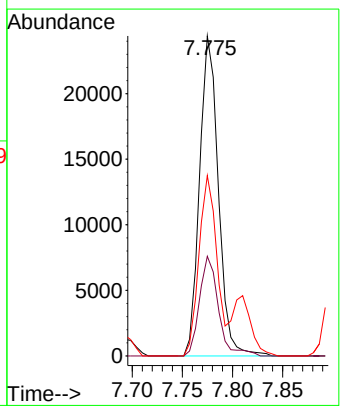


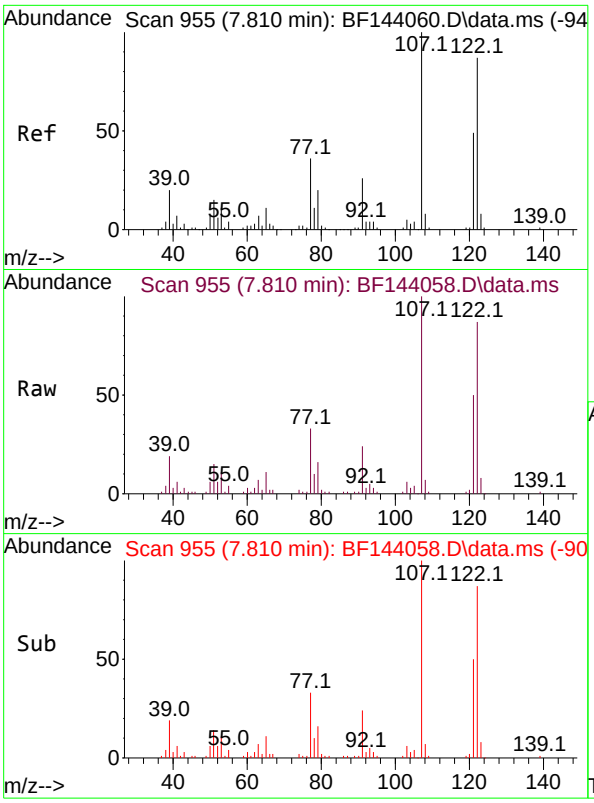


#26
2-Nitrophenol
Concen: 9.992 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:139 Resp: 31721

Ion	Ratio	Lower	Upper
139	100		
109	31.1	24.6	37.0
65	56.3	46.6	69.8



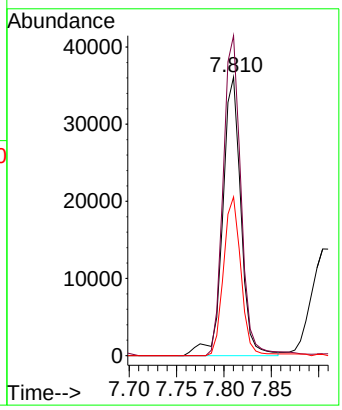


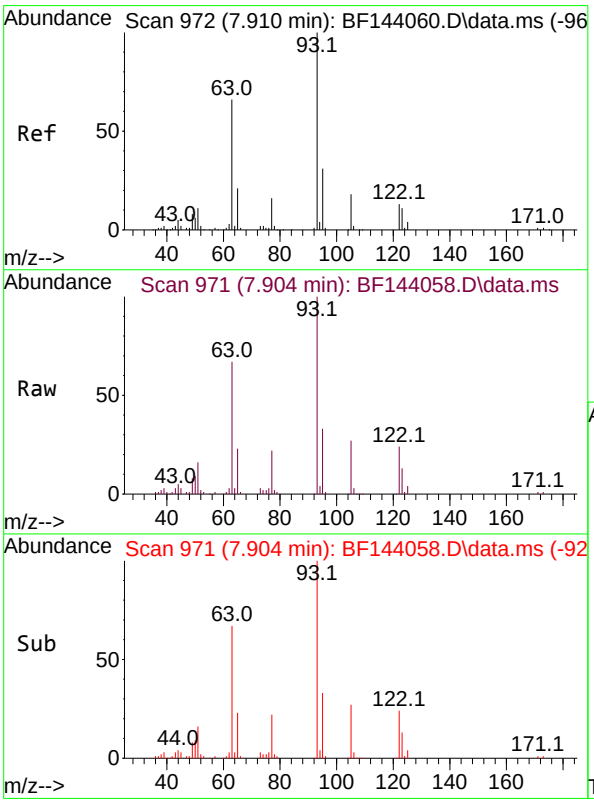
#27
2,4-Dimethylphenol
Concen: 10.215 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 48192

Ion	Ratio	Lower	Upper
122	100		
107	114.9	91.8	137.8
121	56.9	45.2	67.8

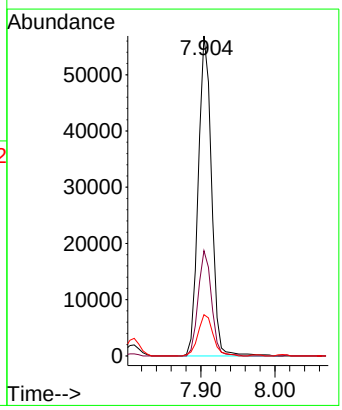


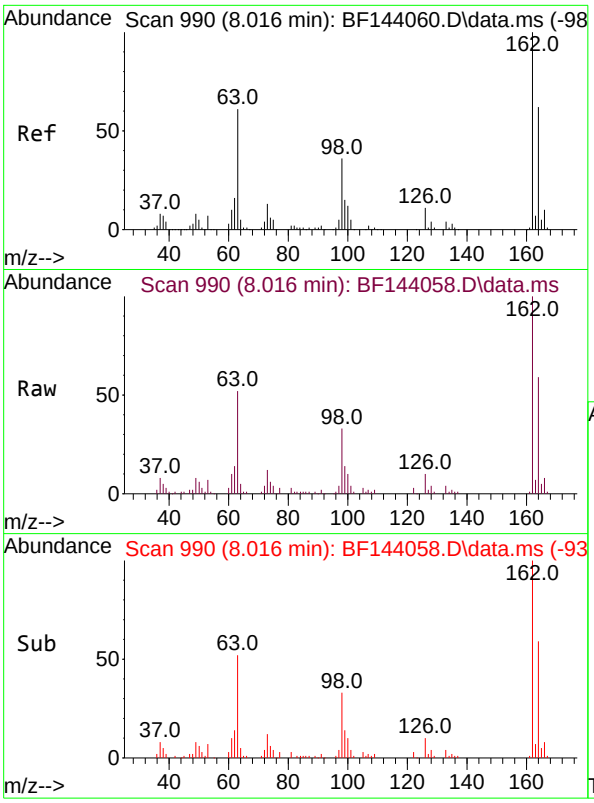


#28
bis(2-Chloroethoxy)methane
Concen: 10.241 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 93 Resp: 70437

Ion	Ratio	Lower	Upper
93	100		
95	32.9	24.6	36.8
123	12.9	9.1	13.7



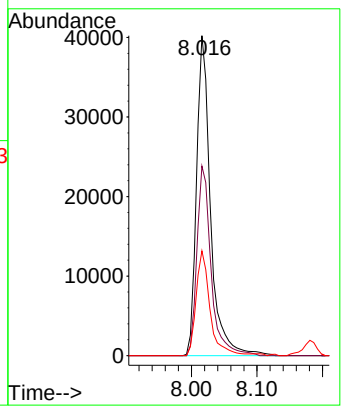


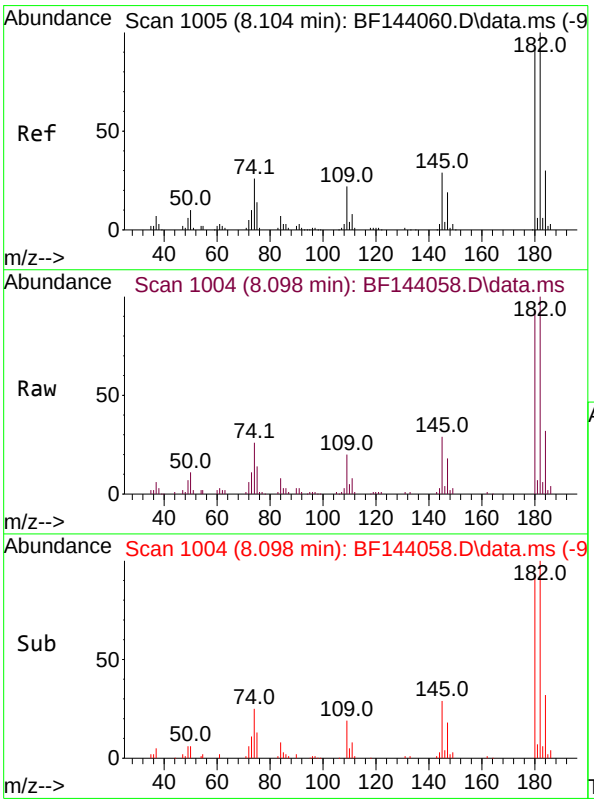
#29
2,4-Dichlorophenol
Concen: 10.858 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 59570

Ion	Ratio	Lower	Upper
162	100		
164	59.2	42.1	82.1
98	32.7	16.0	56.0

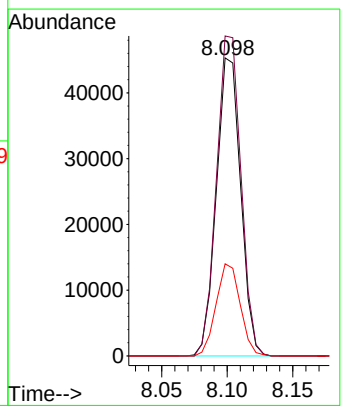


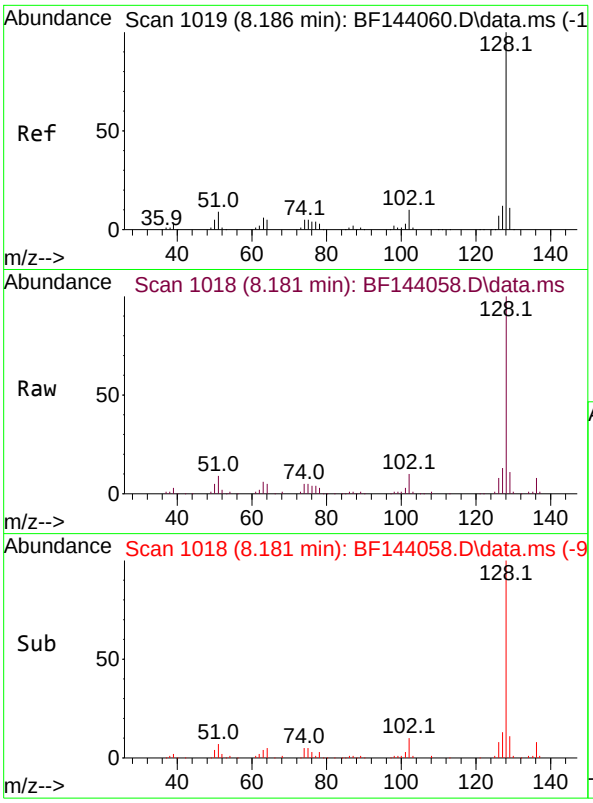


#30
1,2,4-Trichlorobenzene
Concen: 10.367 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:180 Resp: 58514

Ion	Ratio	Lower	Upper
180	100		
182	107.4	87.1	130.7
145	30.9	25.3	37.9



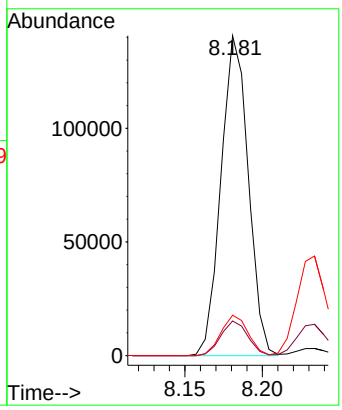


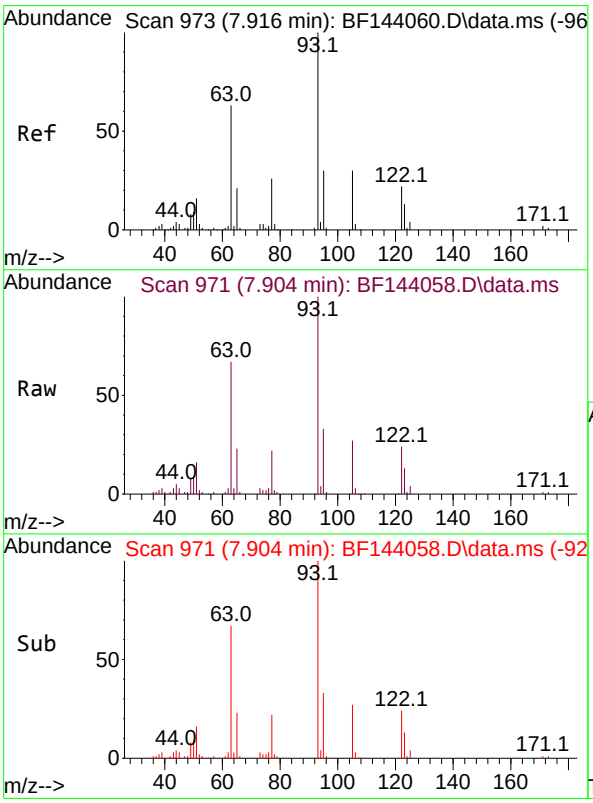
#31
Naphthalene
Concen: 10.618 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 173217

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	12.6	9.9	14.9

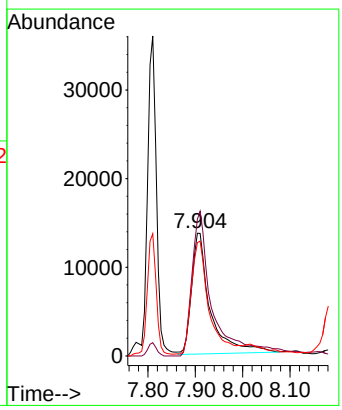


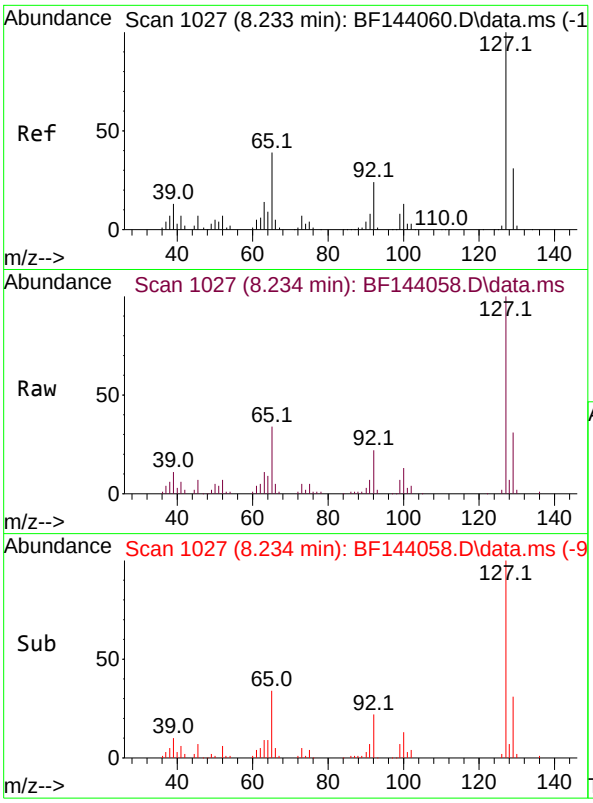


#32
Benzoic acid
Concen: 12.520 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:122 Resp: 37467

Ion	Ratio	Lower	Upper
122	100		
105	111.5	111.3	151.3
77	92.4	96.7	136.7#



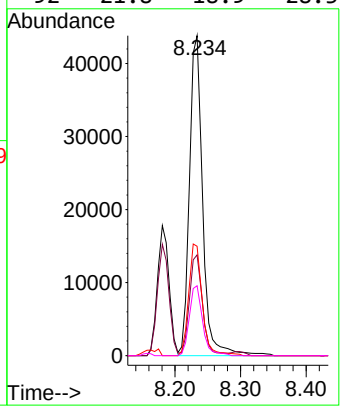


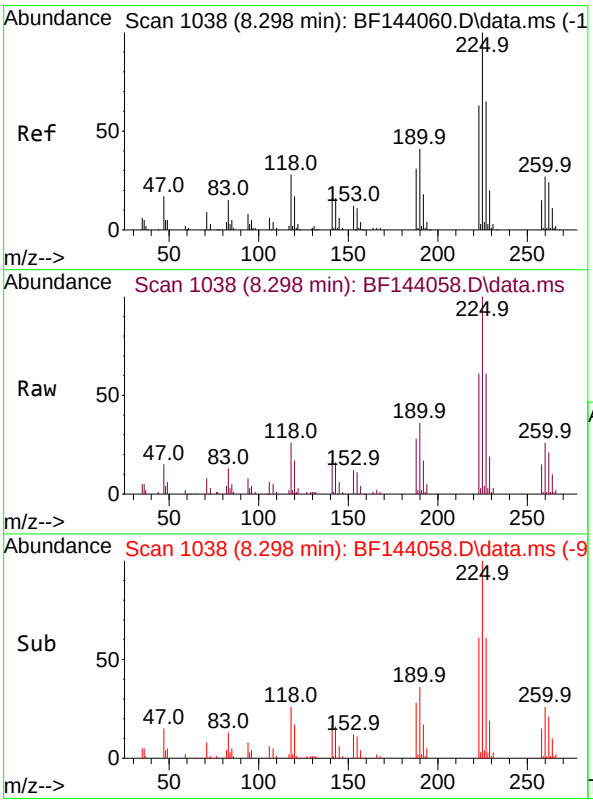
#33
4-Chloroaniline
Concen: 10.837 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 61541

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.6	38.4
65	34.2	30.9	46.3
92	21.8	18.9	28.3

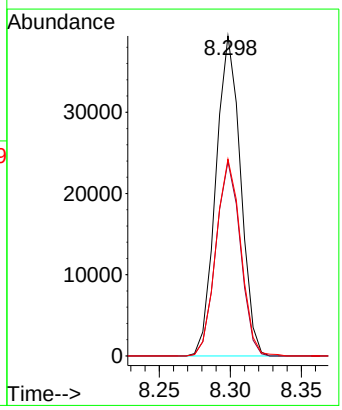


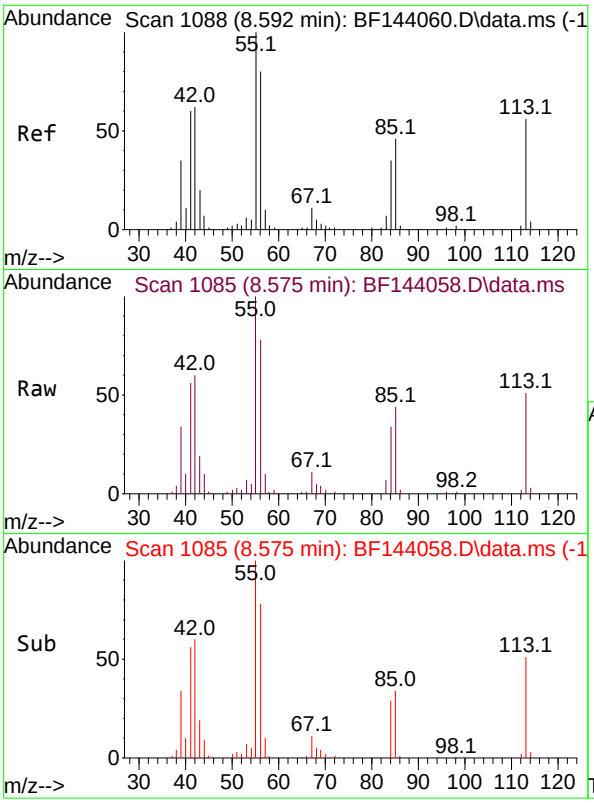


#34
Hexachlorobutadiene
Concen: 10.323 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:225 Resp: 47643

Ion	Ratio	Lower	Upper
225	100		
223	60.7	50.6	76.0
227	61.5	51.8	77.8



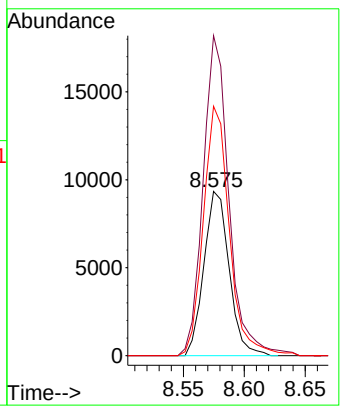


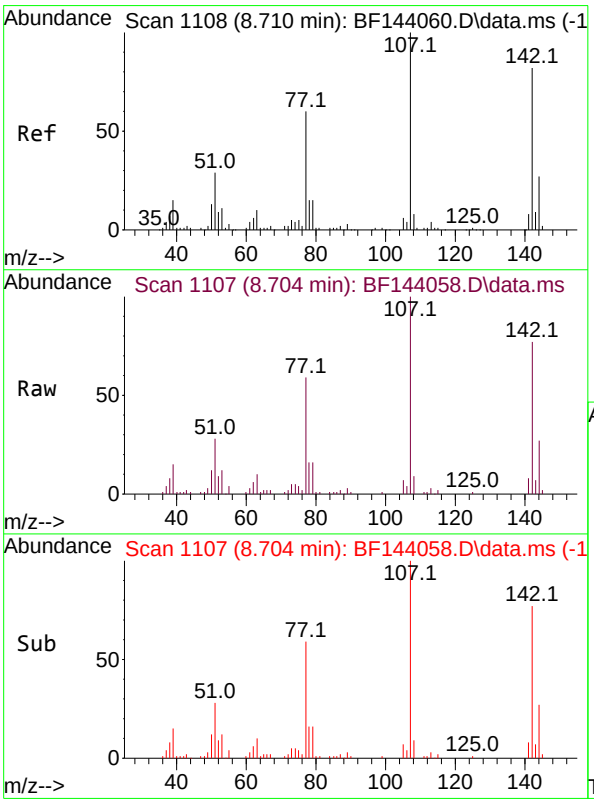
#35
Caprolactam
Concen: 9.779 ng
RT: 8.575 min Scan# 10
Delta R.T. -0.017 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 13454

Ion	Ratio	Lower	Upper
113	100		
55	194.9	160.1	200.1
56	151.9	124.9	164.9

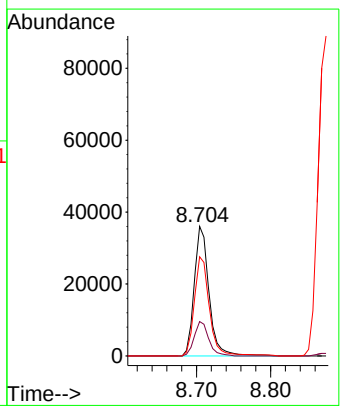


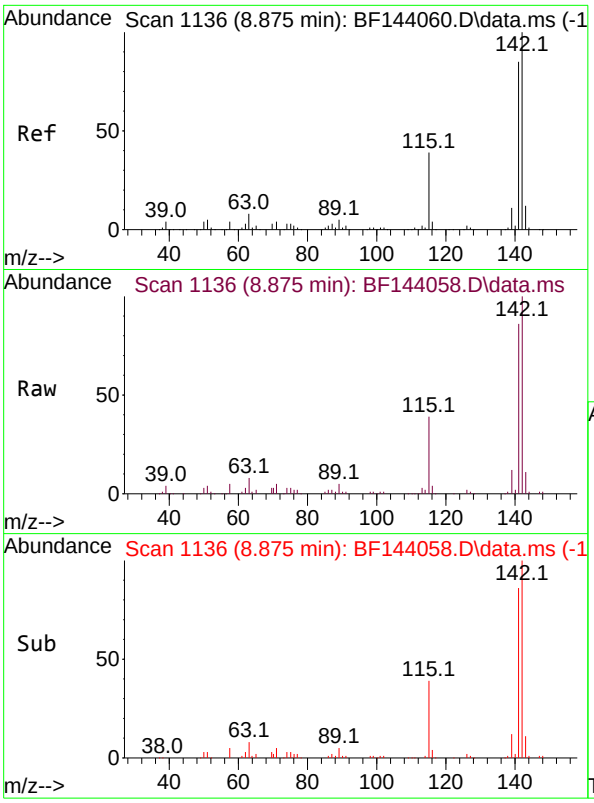


#36
4-Chloro-3-methylphenol
Concen: 10.327 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:107 Resp: 50000

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.6	32.4
142	76.6	65.4	98.0



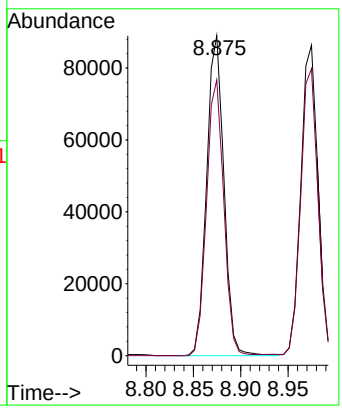


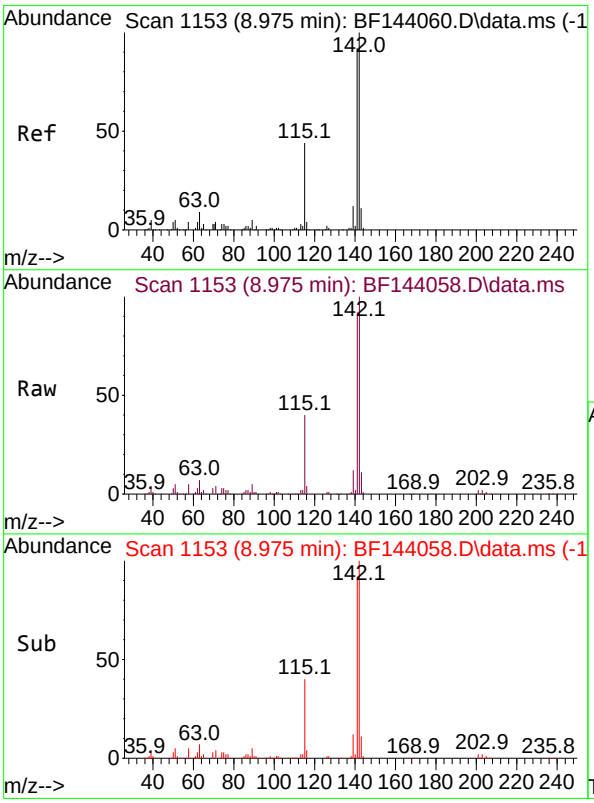
#37
2-Methylnaphthalene
Concen: 10.507 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 113005

Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.6	101.4

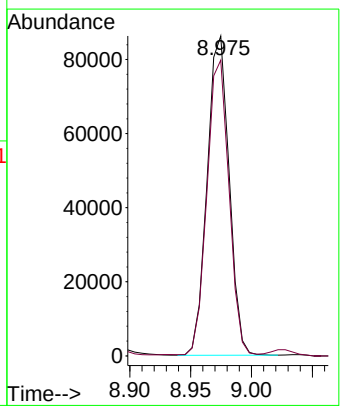


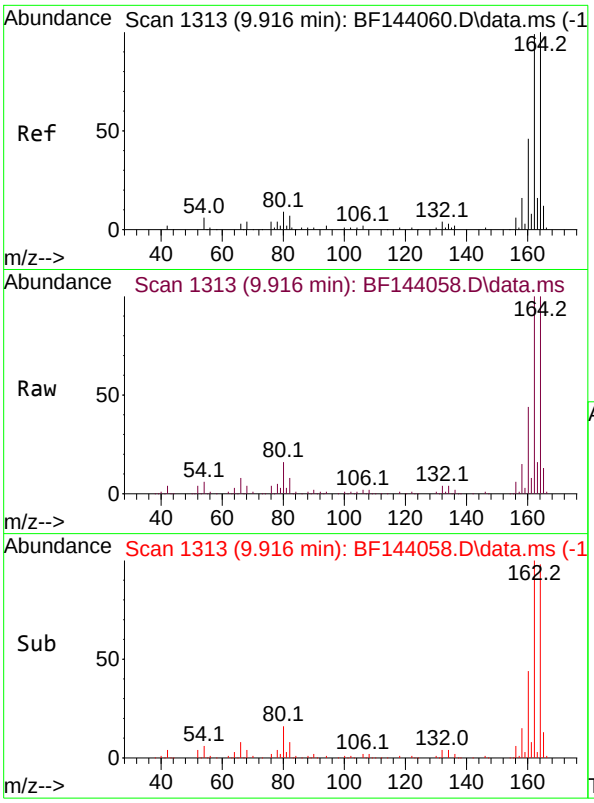


#38
1-Methylnaphthalene
Concen: 10.642 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:142 Resp: 108437

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.4	110.2



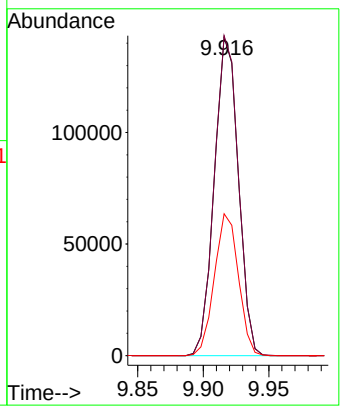


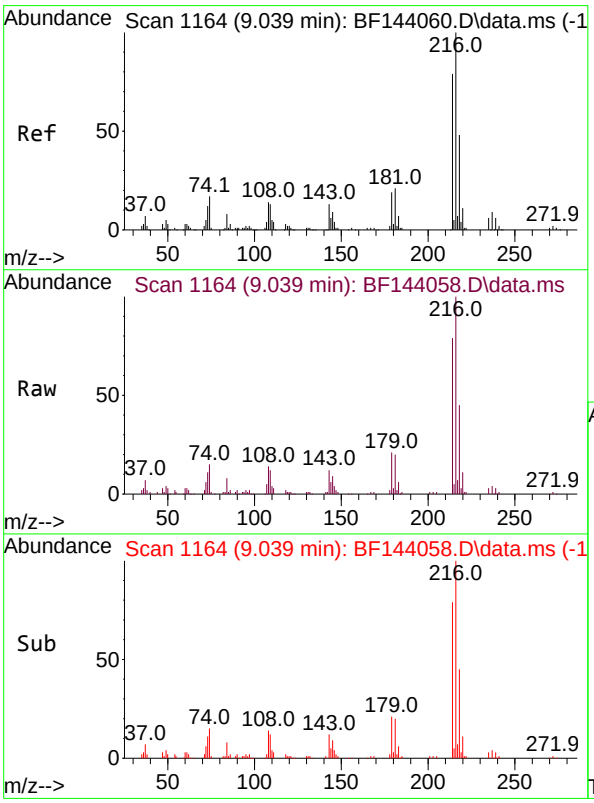
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 181955

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	44.5	36.7	55.1

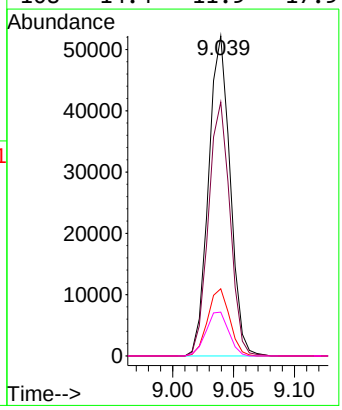


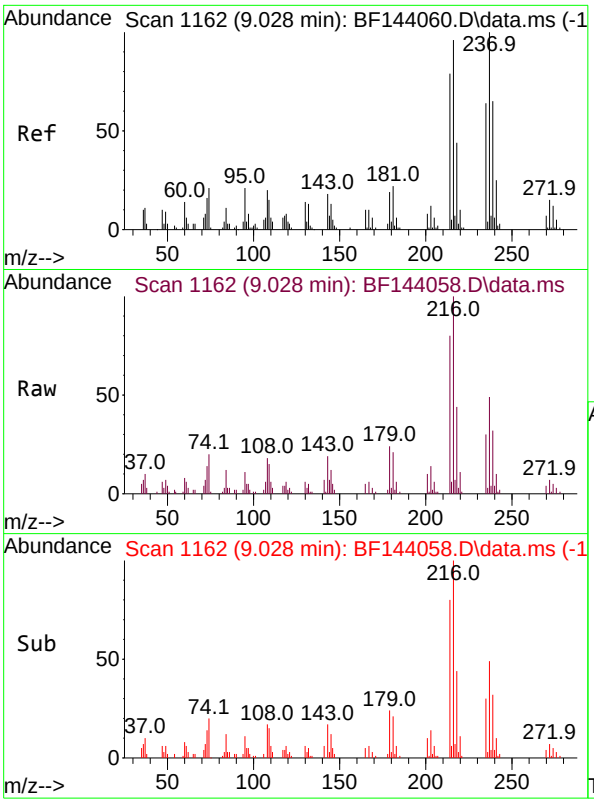


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.283 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:216 Resp: 64302

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	21.3	15.2	22.8
108	14.4	11.9	17.9



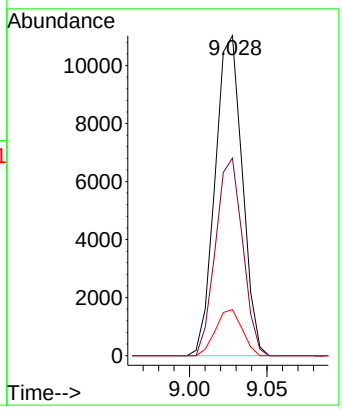


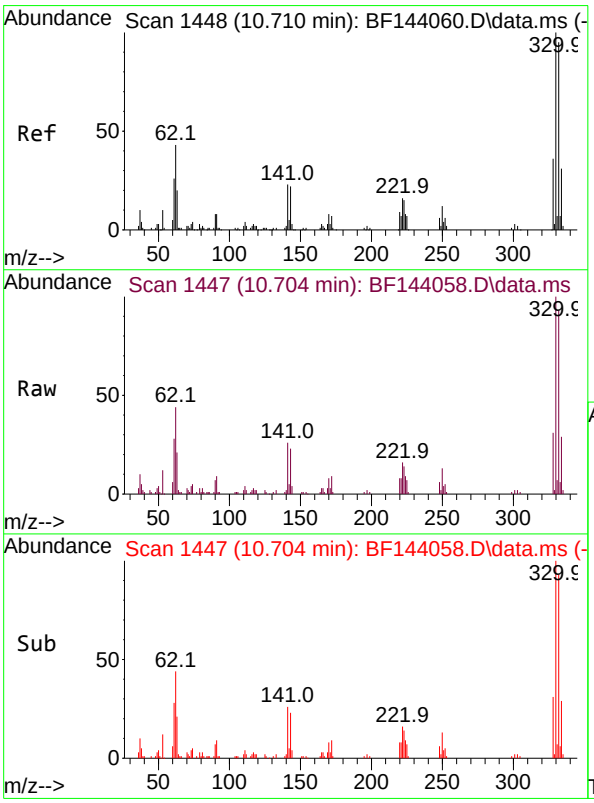
#41
Hexachlorocyclopentadiene
Concen: 6.972 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 13467

Ion	Ratio	Lower	Upper
237	100		
235	61.7	44.3	84.3
272	14.4	0.0	35.2

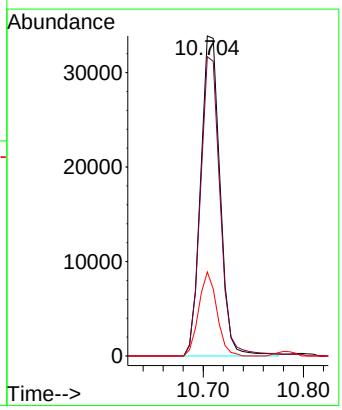


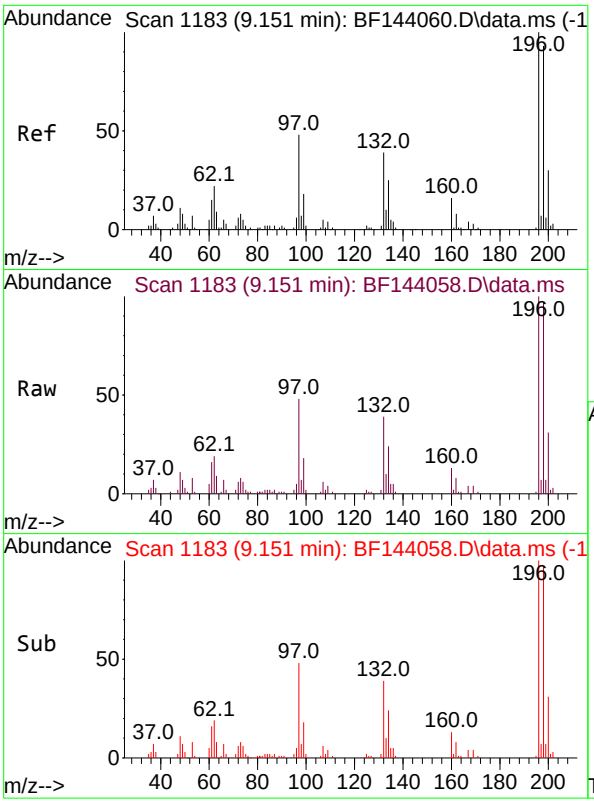


#42
2,4,6-Tribromophenol
Concen: 19.574 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:330 Resp: 45367

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	24.4	19.4	29.0



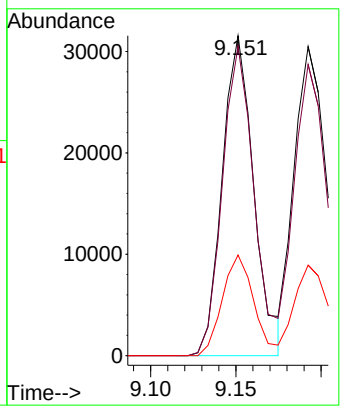


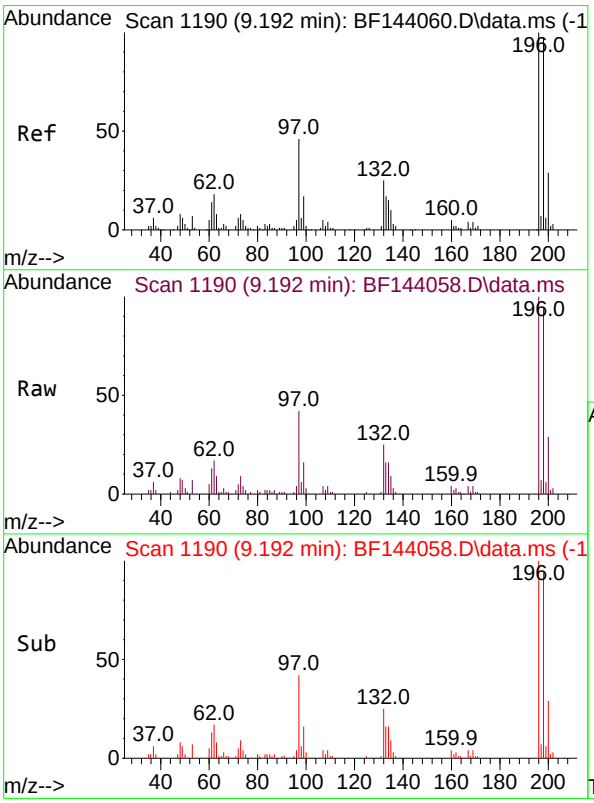
#43
2,4,6-Trichlorophenol
Concen: 10.000 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 40647

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.4	111.6
200	31.4	23.8	35.8

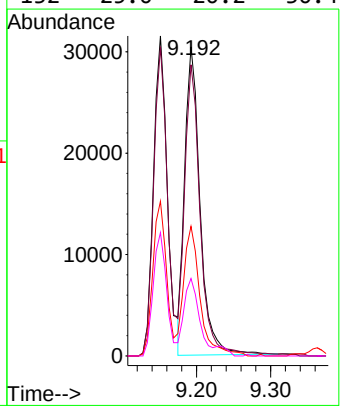


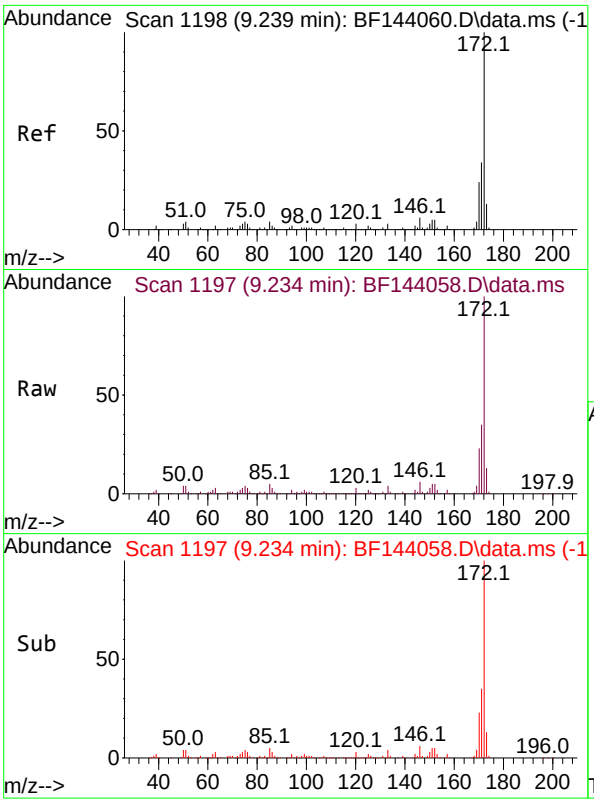


#44
2,4,5-Trichlorophenol
Concen: 10.341 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:196 Resp: 44114

Ion	Ratio	Lower	Upper
196	100		
198	94.2	78.0	117.0
97	41.9	37.7	56.5
132	25.0	20.2	30.4



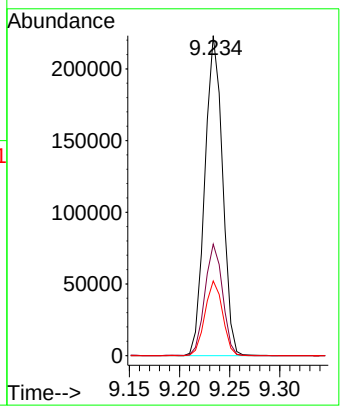


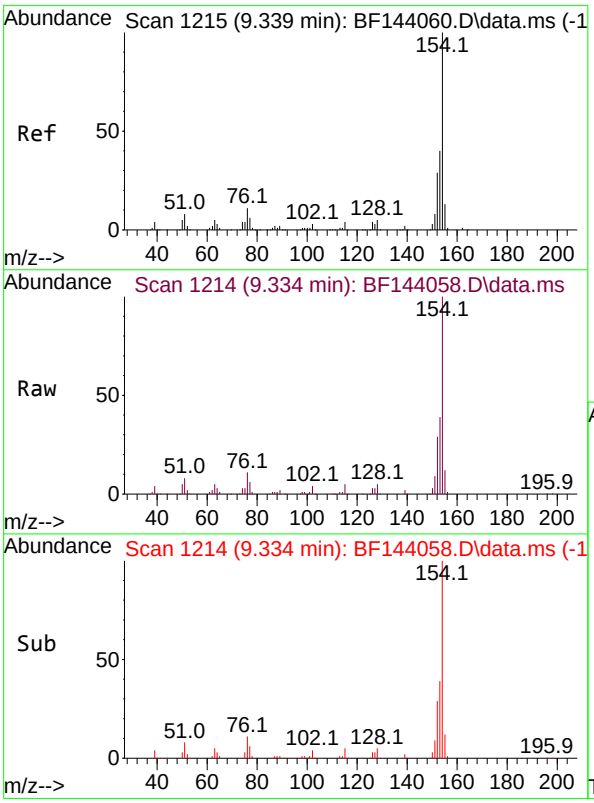
#45
2-Fluorobiphenyl
Concen: 21.152 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 273504

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	23.3	19.0	28.6

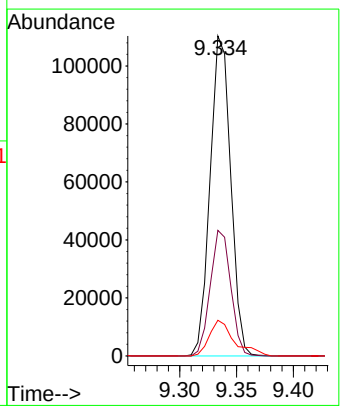


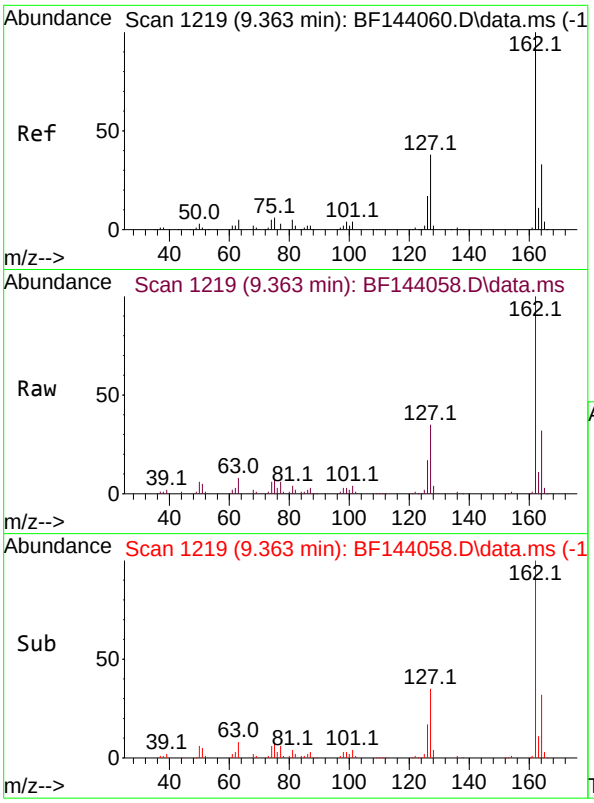


#46
1,1'-Biphenyl
Concen: 10.704 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:154 Resp: 139423

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.7	59.7
76	11.1	0.0	31.1



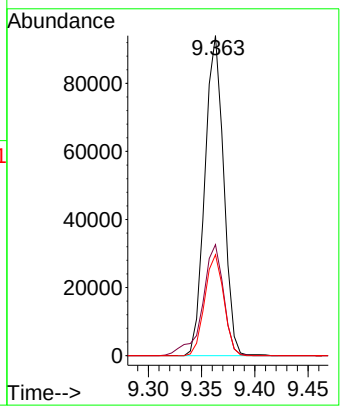


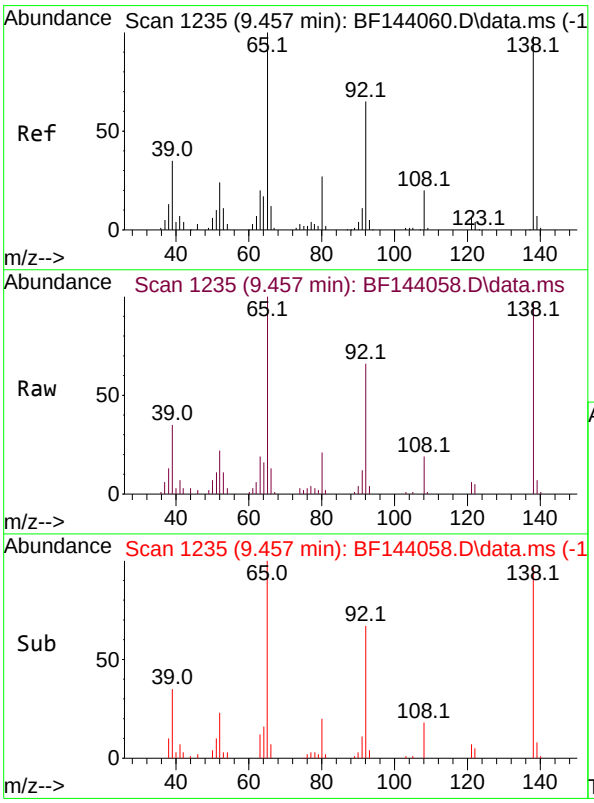
#47
2-Chloronaphthalene
Concen: 10.540 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 115014

Ion	Ratio	Lower	Upper
162	100		
127	34.7	31.6	47.4
164	31.5	26.5	39.7

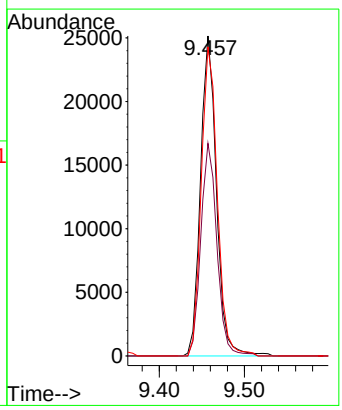


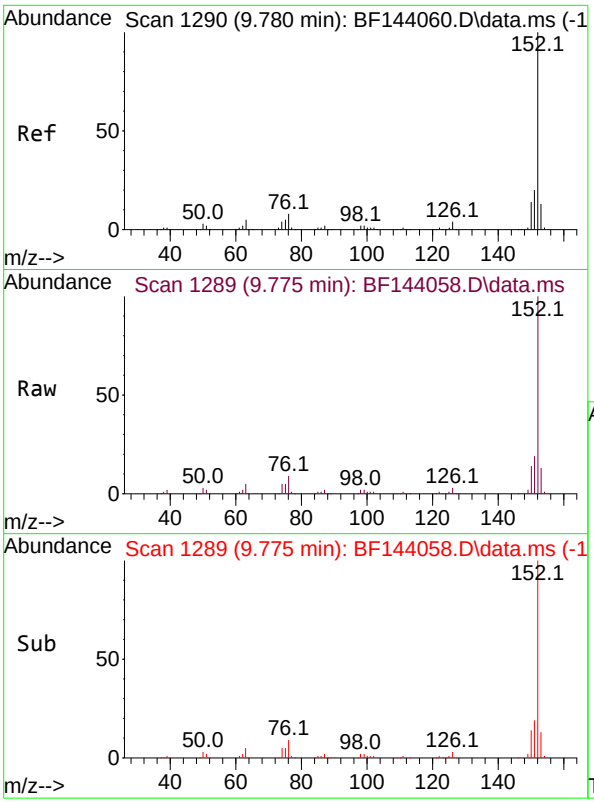


#48
2-Nitroaniline
Concen: 10.076 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 65 Resp: 32649

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.3	78.5
138	96.6	78.3	117.5



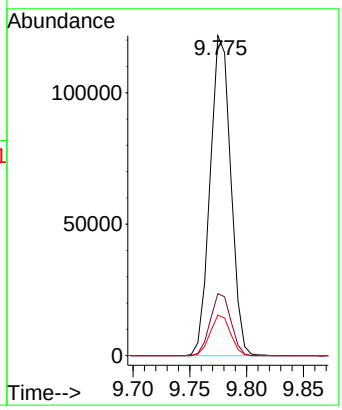


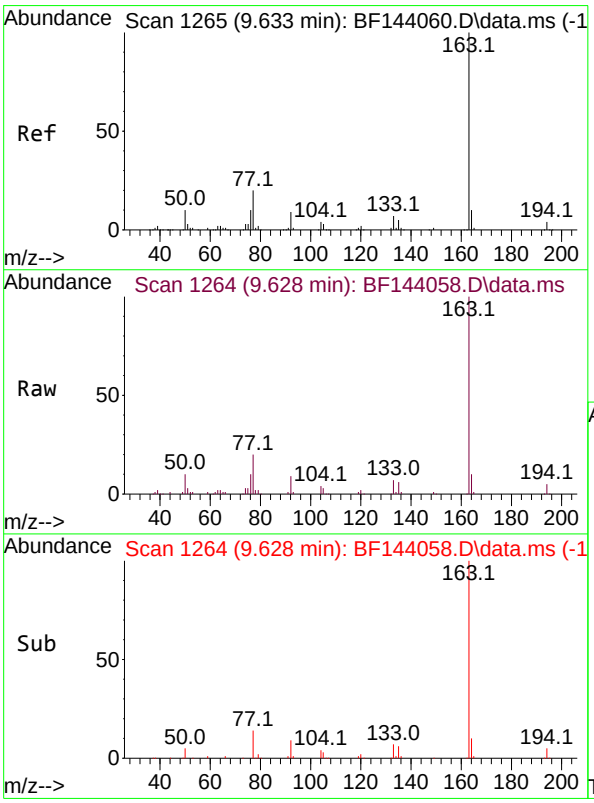
#49
Acenaphthylene
Concen: 10.470 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 154058

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.7	10.4	15.6

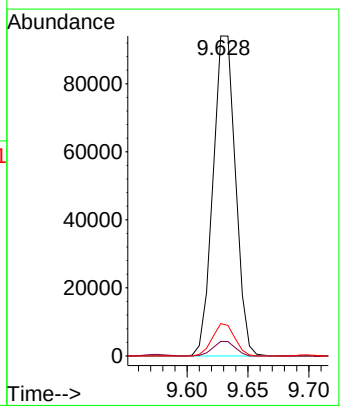


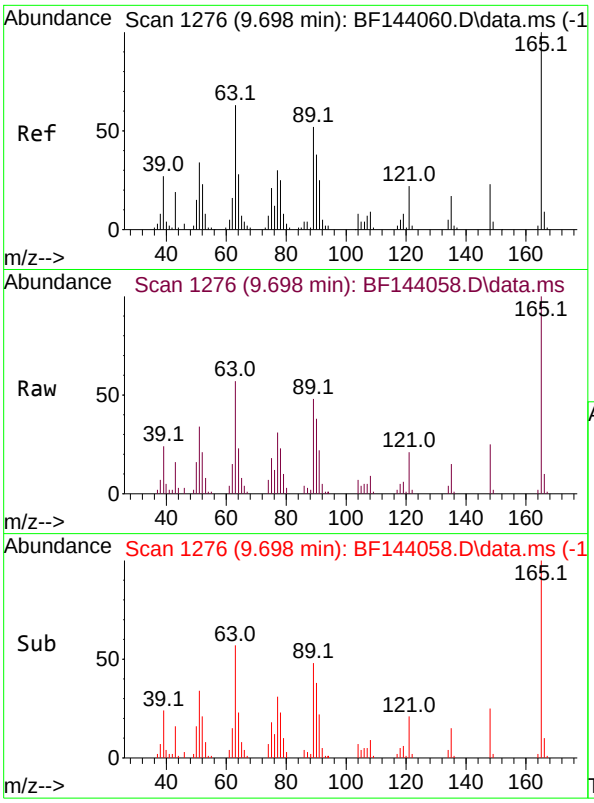


#50
Dimethylphthalate
Concen: 10.133 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:163 Resp: 120856

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.1	7.8	11.8



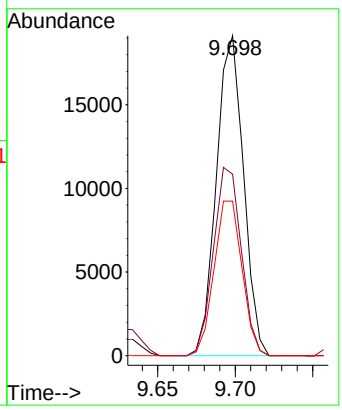


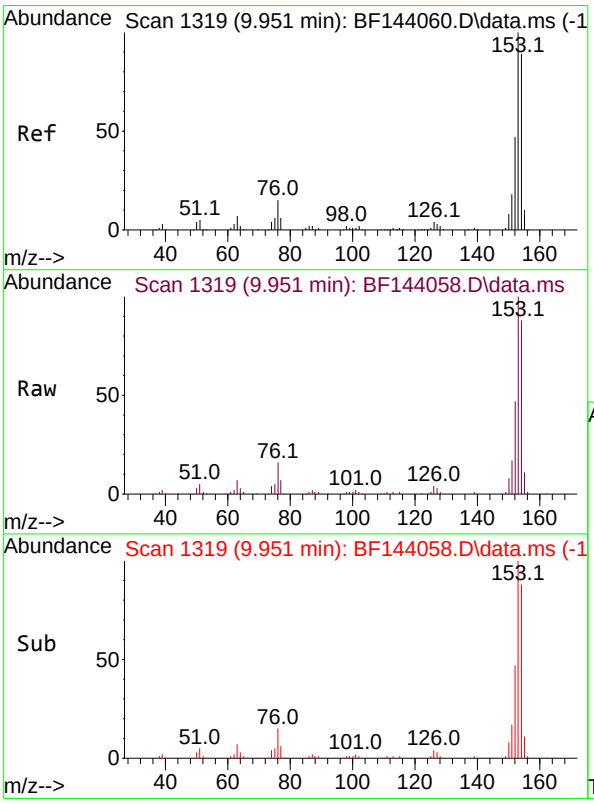
#51
2,6-Dinitrotoluene
Concen: 9.899 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 23341

Ion	Ratio	Lower	Upper
165	100		
63	56.7	50.4	75.6
89	48.3	41.4	62.2

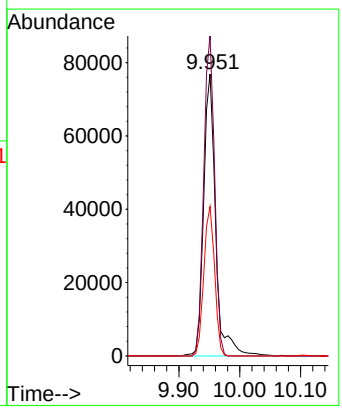


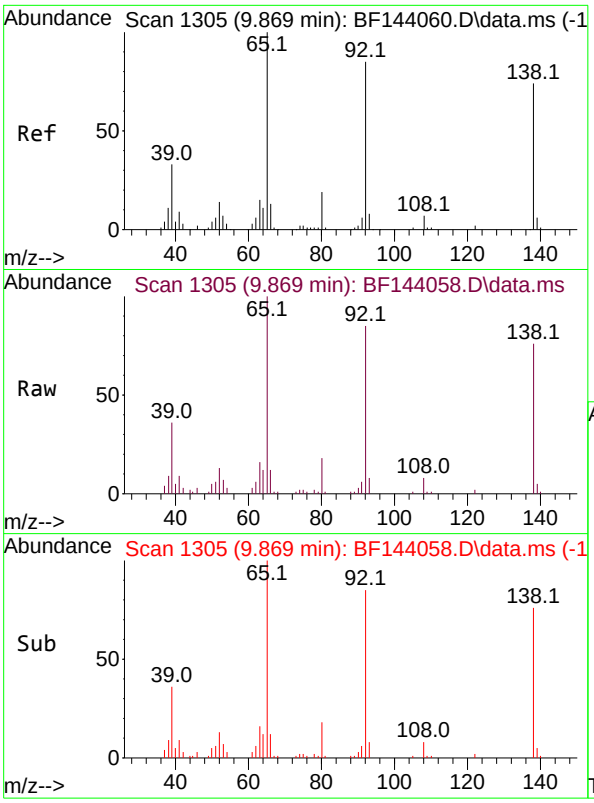


#52
Acenaphthene
Concen: 10.671 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:154 Resp: 104855

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.9	134.9
152	53.0	42.0	63.0



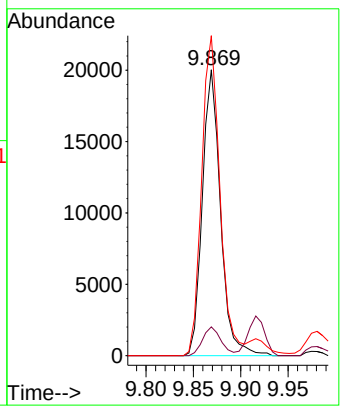


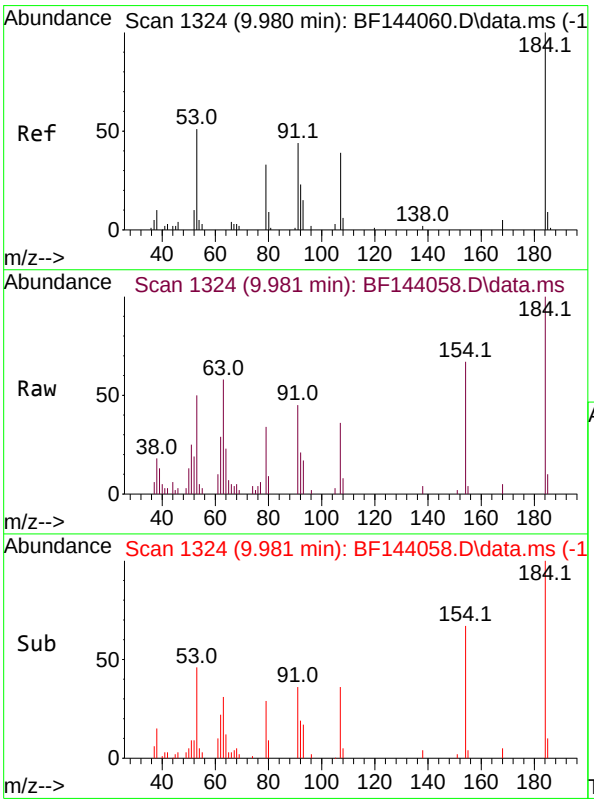
#53
3-Nitroaniline
Concen: 10.196 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 26729

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.9	11.9
92	111.9	92.0	138.0

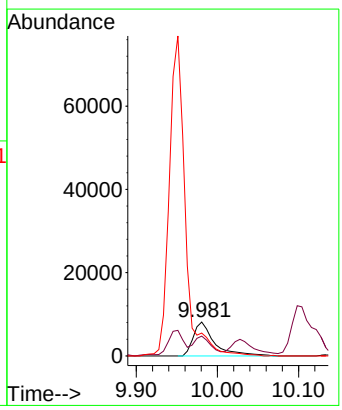


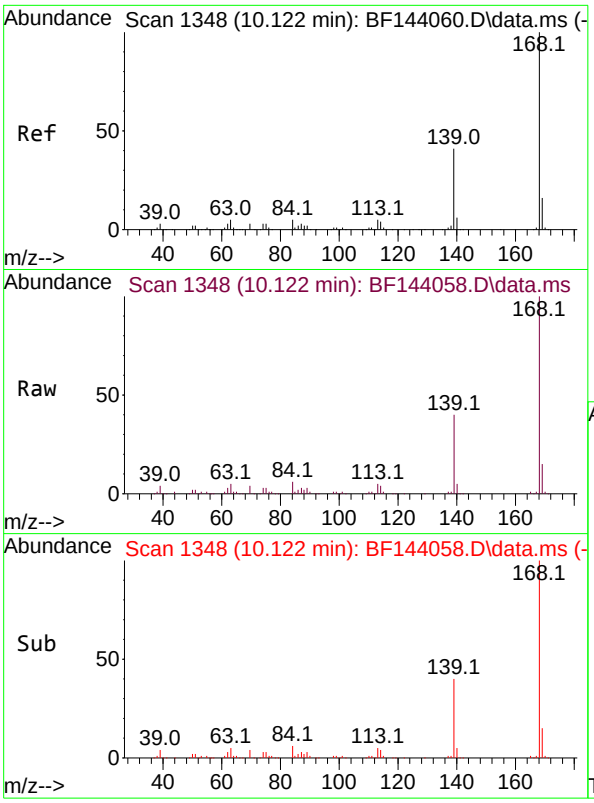


#54
2,4-Dinitrophenol
Concen: 11.496 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:184 Resp: 14660

Ion	Ratio	Lower	Upper
184	100		
63	58.3	52.1	78.1
154	67.4	47.9	71.9



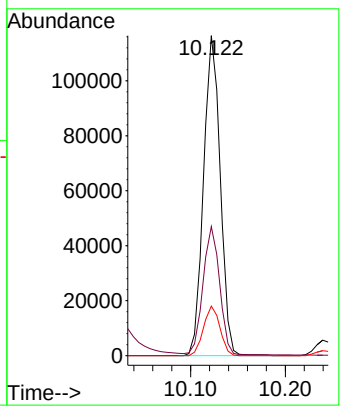


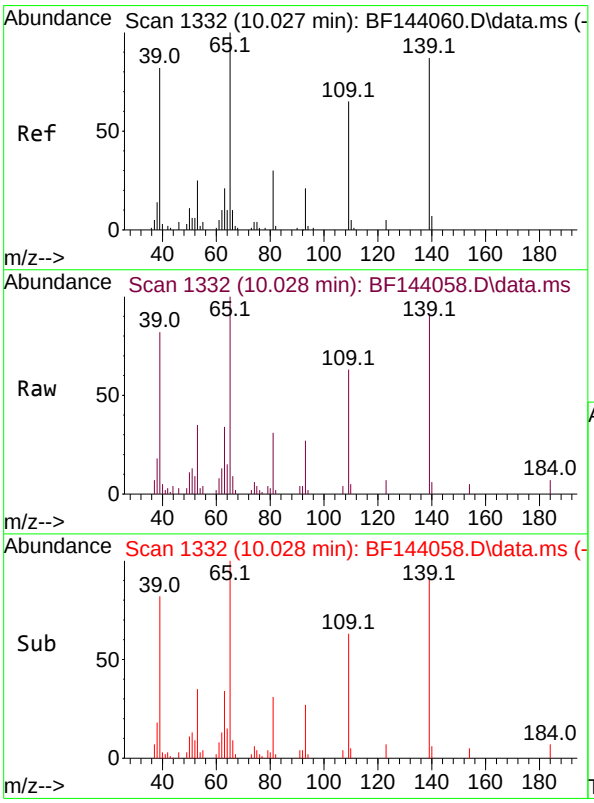
#55
Dibenzofuran
Concen: 10.481 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 142976

Ion	Ratio	Lower	Upper
168	100		
139	40.3	33.2	49.8
169	15.5	12.6	19.0

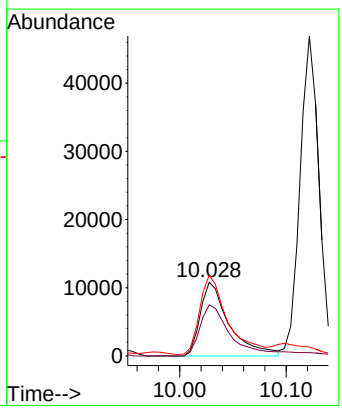


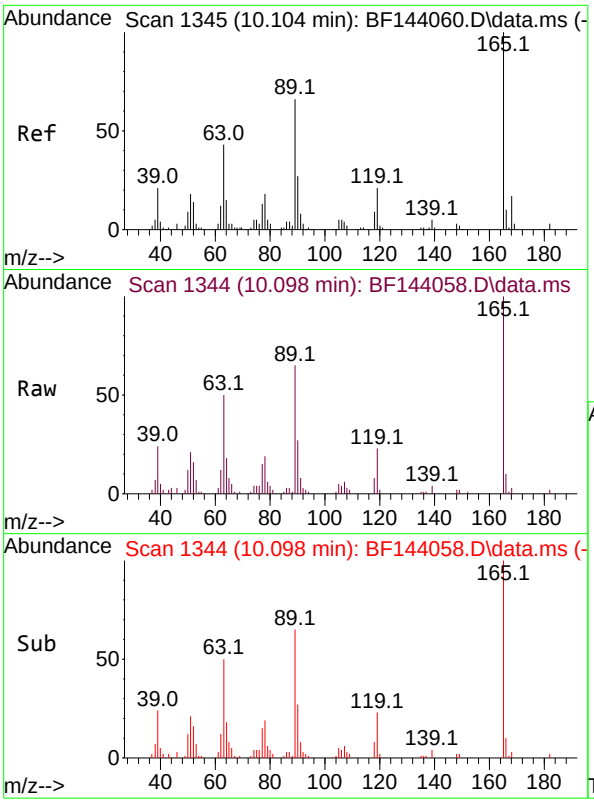


#56
4-Nitrophenol
Concen: 11.482 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:139 Resp: 20383

Ion	Ratio	Lower	Upper
139	100		
109	69.1	53.8	93.8
65	109.7	95.9	135.9



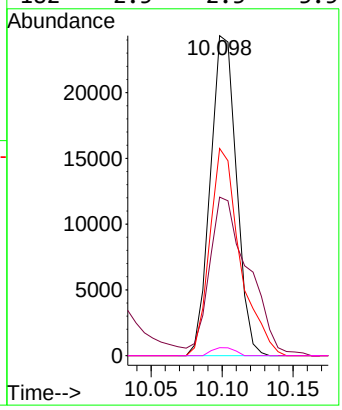


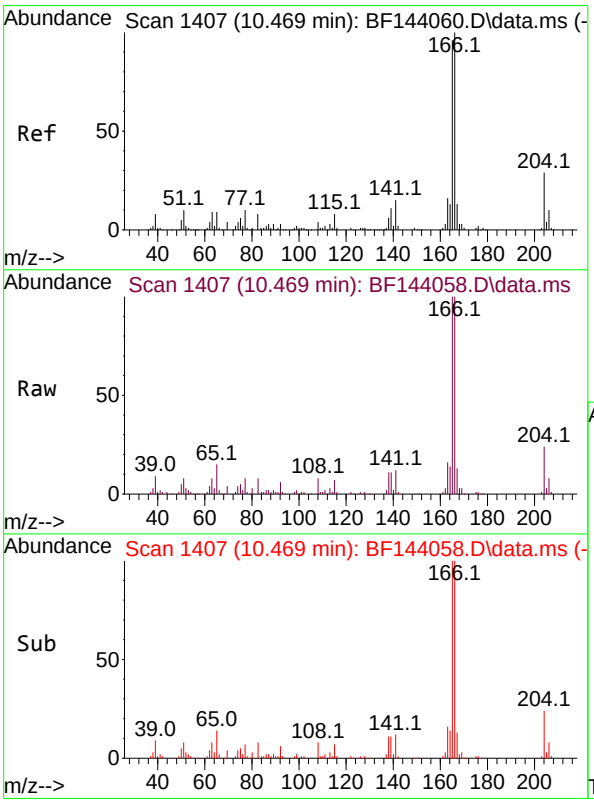
#57
2,4-Dinitrotoluene
Concen: 9.793 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 31163

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

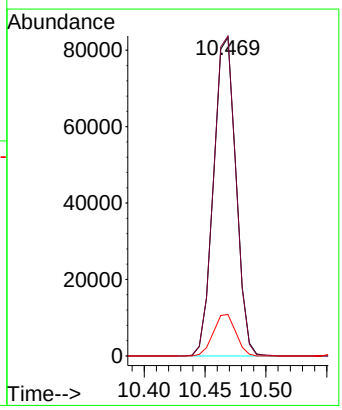


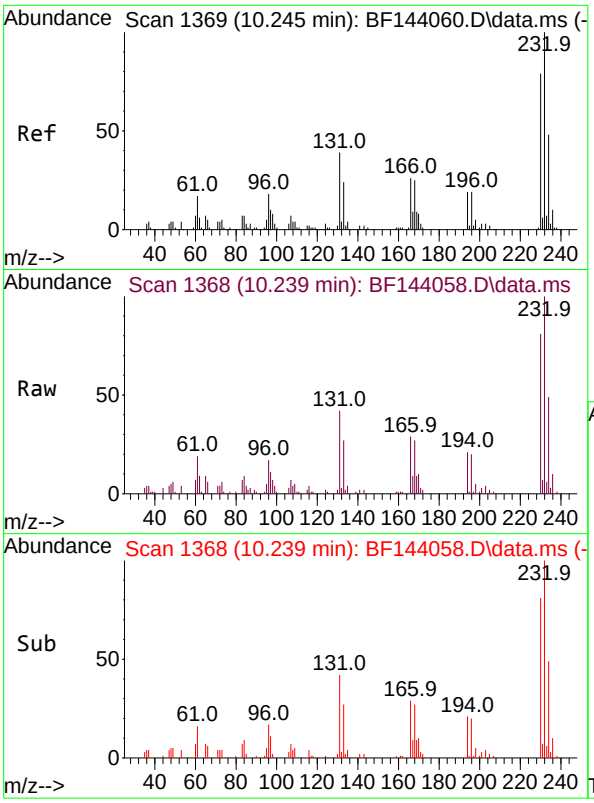


#58
Fluorene
Concen: 10.232 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:166 Resp: 106355

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.0	115.4
167	13.0	10.2	15.4



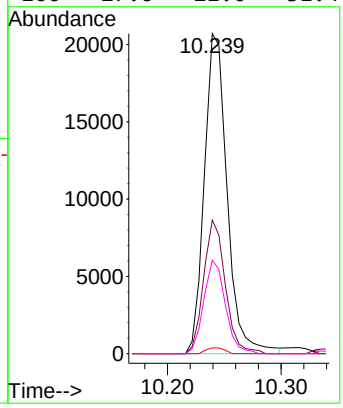


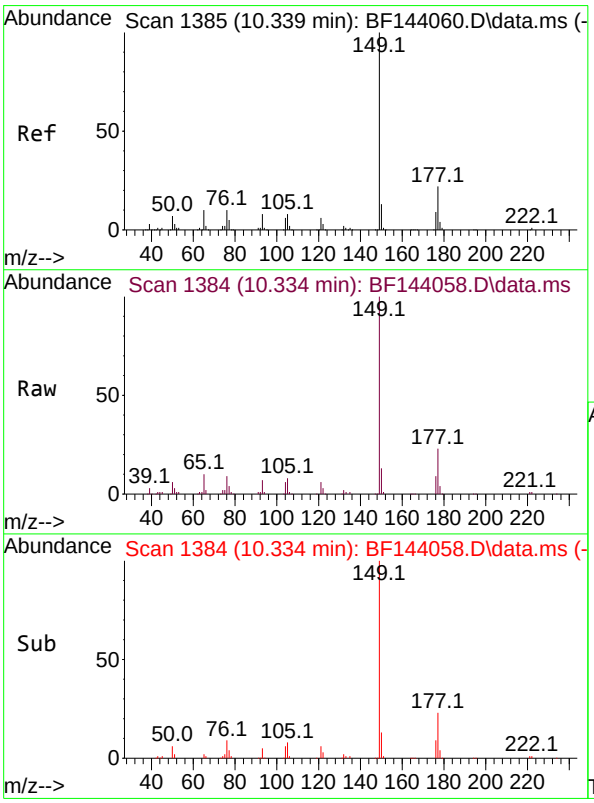
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.612 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 28893

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

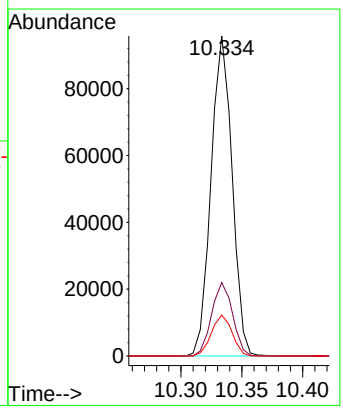


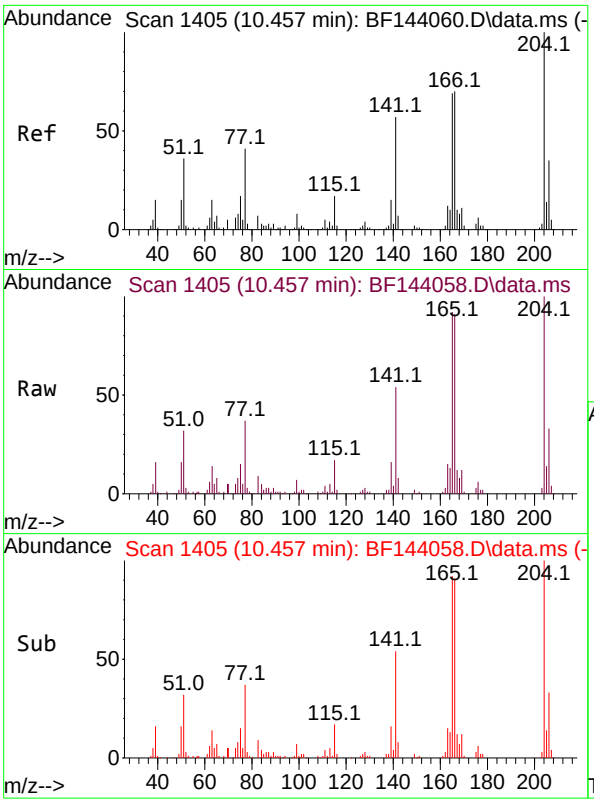


#60
Diethylphthalate
Concen: 10.256 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:149 Resp: 115029

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.8	26.6
150	12.8	10.1	15.1



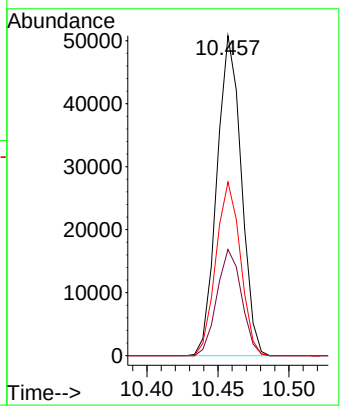


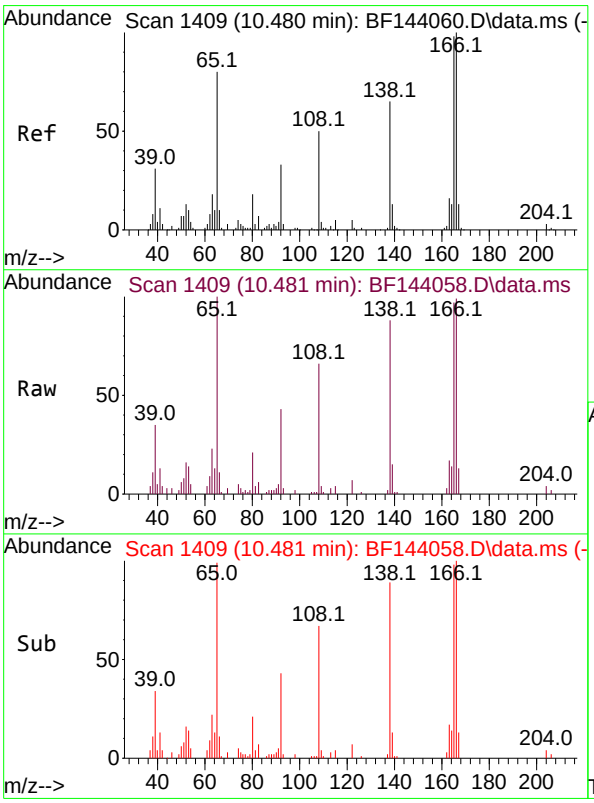
#61
4-Chlorophenyl-phenylether
Concen: 10.385 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 60704

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.8	41.6
141	54.3	45.4	68.2

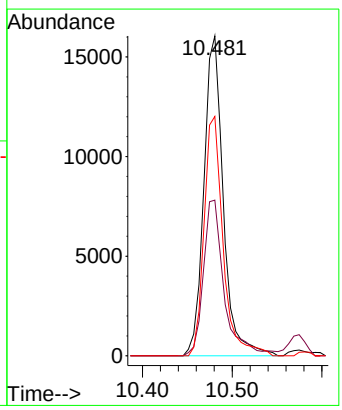


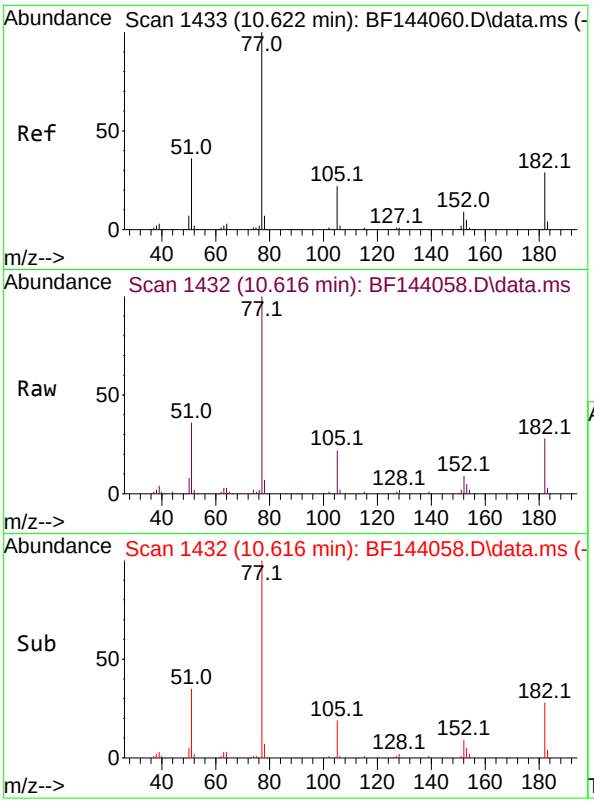


#62
4-Nitroaniline
Concen: 9.752 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:138 Resp: 24222

Ion	Ratio	Lower	Upper
138	100		
92	48.7	30.5	70.5
108	74.9	56.2	96.2



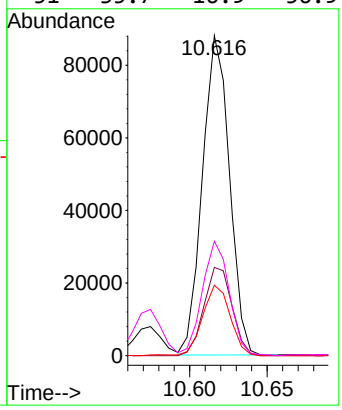


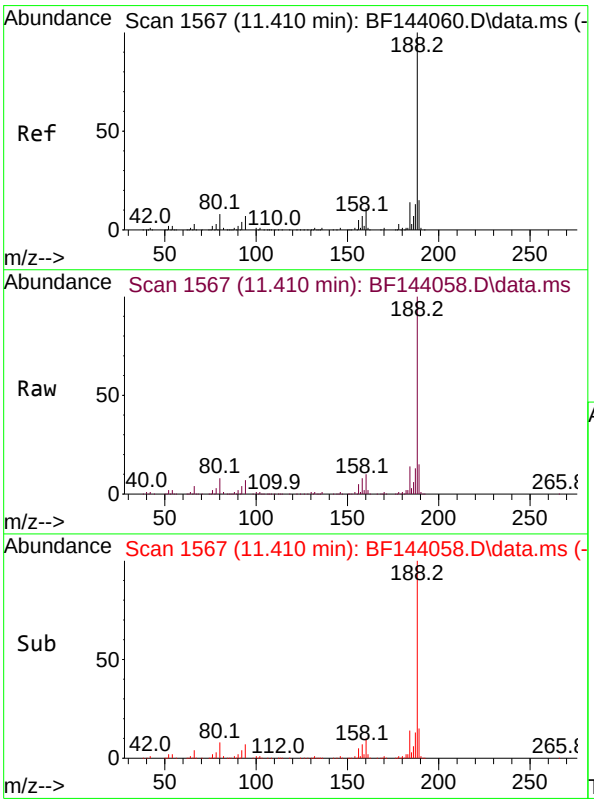
#63
Azobenzene
Concen: 10.095 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 107163

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

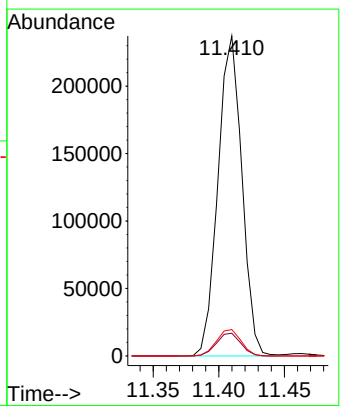


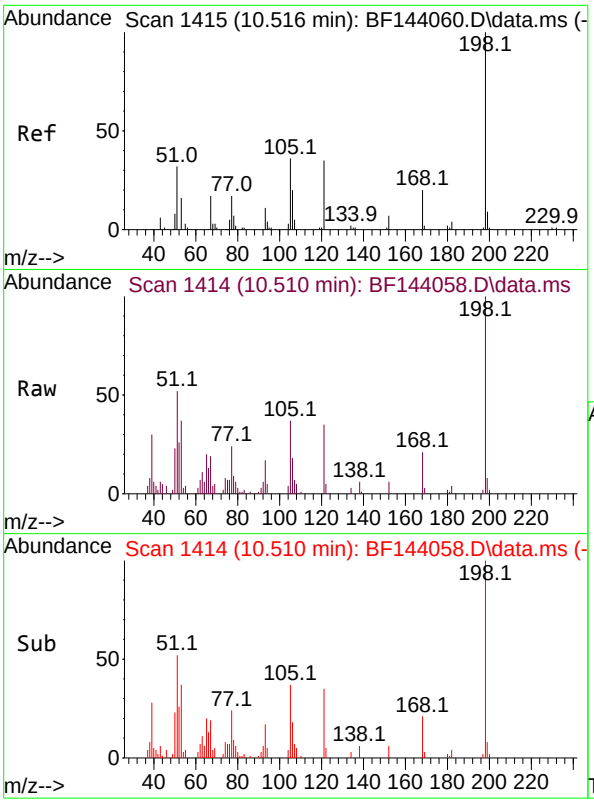


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:188 Resp: 301308

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.4	8.0
80	8.2	6.0	9.0



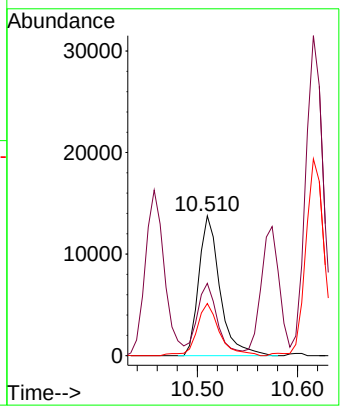


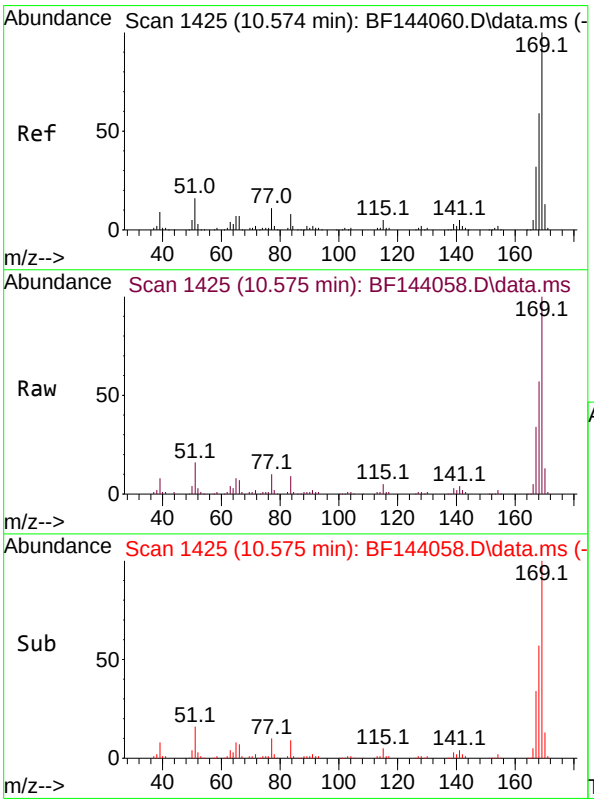
#65
4,6-Dinitro-2-methylphenol
Concen: 10.394 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 20093

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

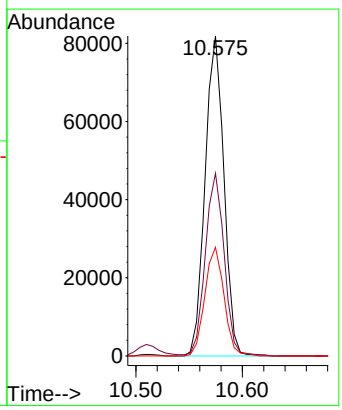


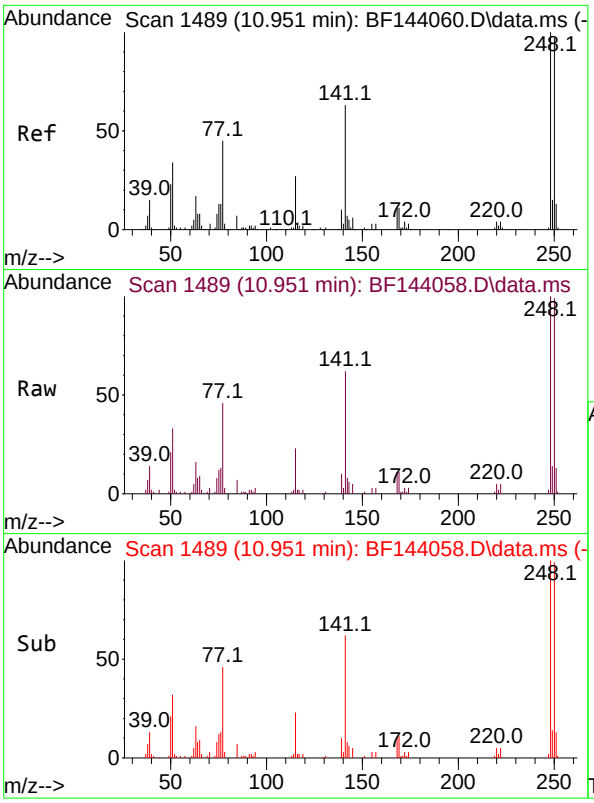


#66
n-Nitrosodiphenylamine
Concen: 10.422 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:169 Resp: 100334

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



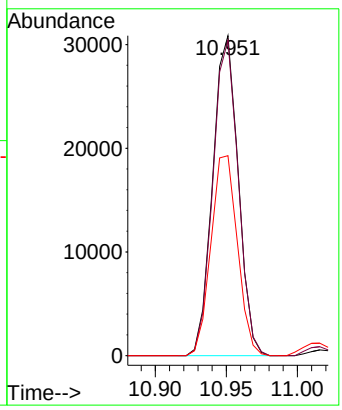


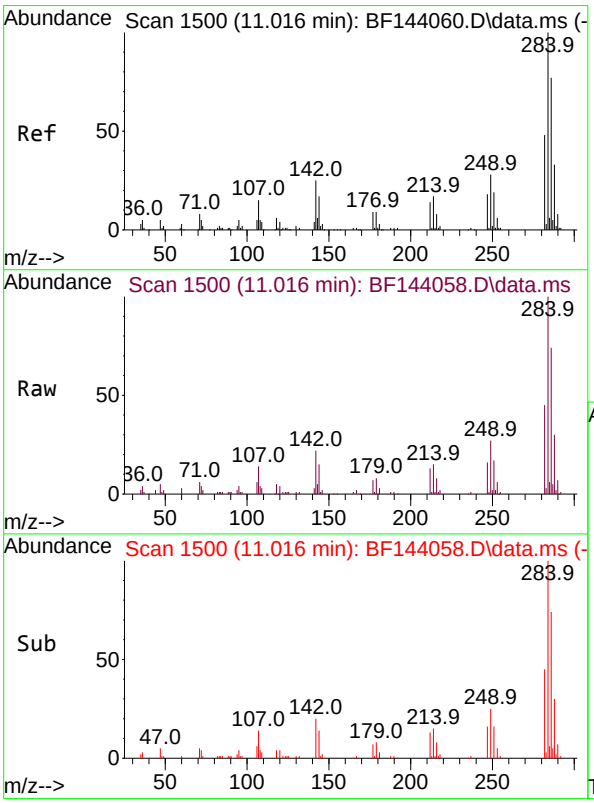
#67
4-Bromophenyl-phenylether
Concen: 10.242 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 38639

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.8	116.6
141	62.5	50.5	75.7

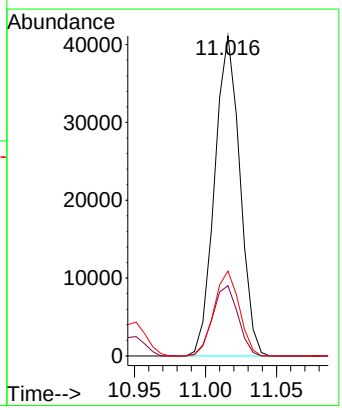


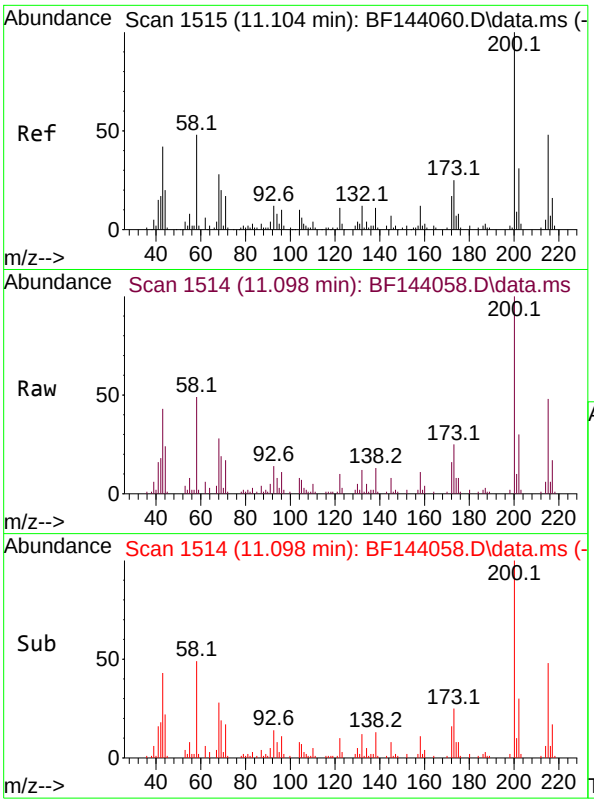


#68
Hexachlorobenzene
Concen: 10.990 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:284 Resp: 50850

Ion	Ratio	Lower	Upper
284	100		
142	22.0	20.0	30.0
249	26.5	22.2	33.2



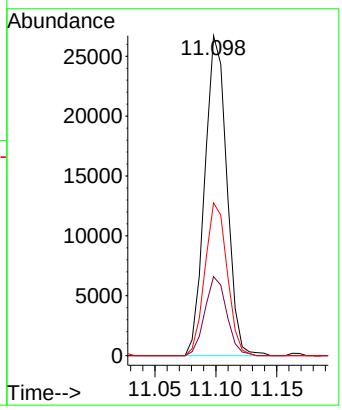


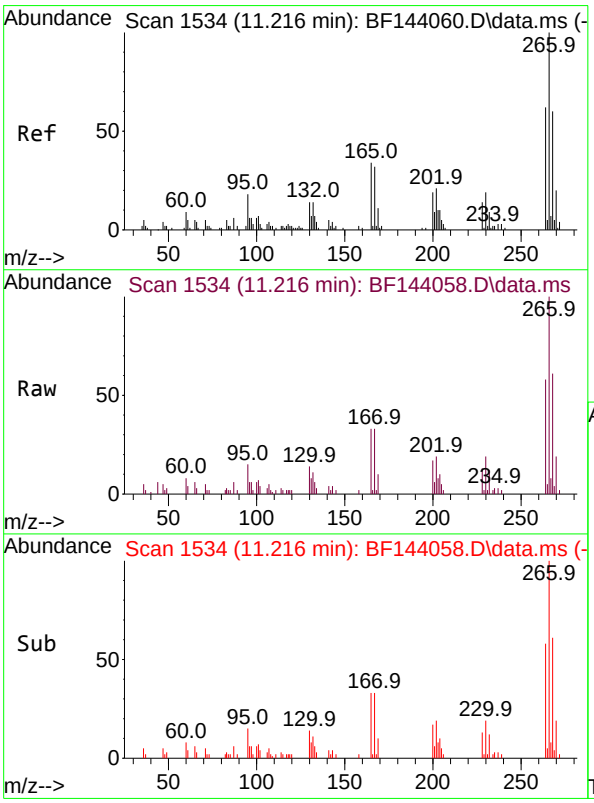
#69
Atrazine
Concen: 10.638 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 33605

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.9	44.9
215	47.7	28.2	68.2

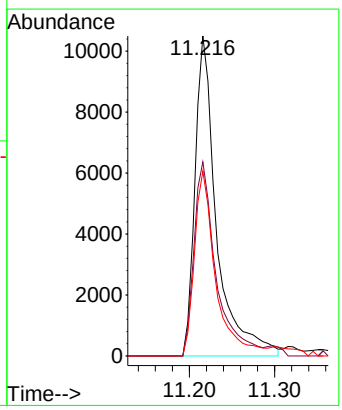


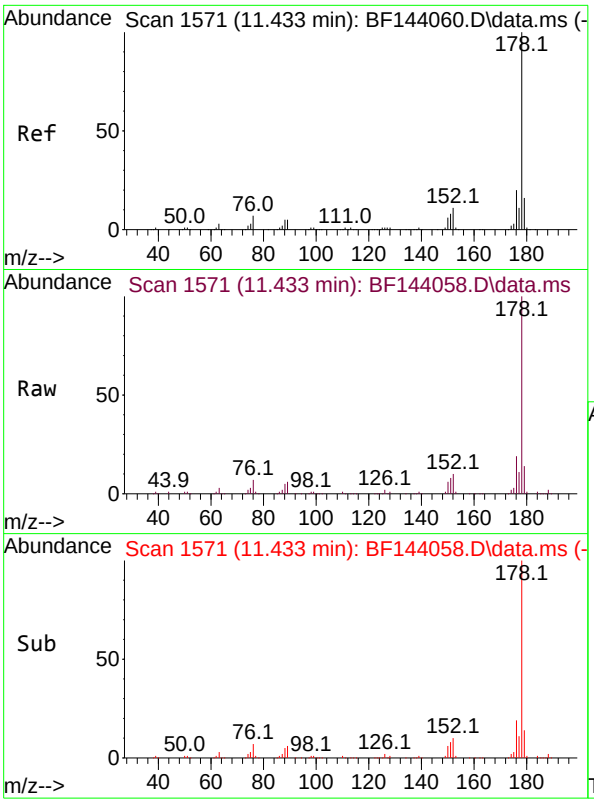


#70
Pentachlorophenol
Concen: 8.386 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:266 Resp: 18468

Ion	Ratio	Lower	Upper
266	100		
268	60.6	48.2	72.4
264	57.7	49.4	74.0



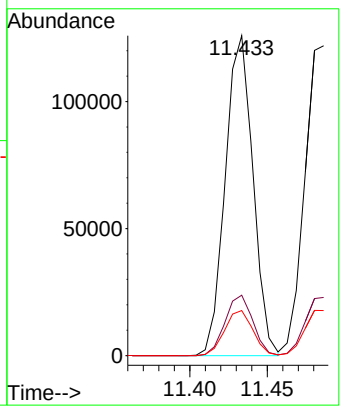


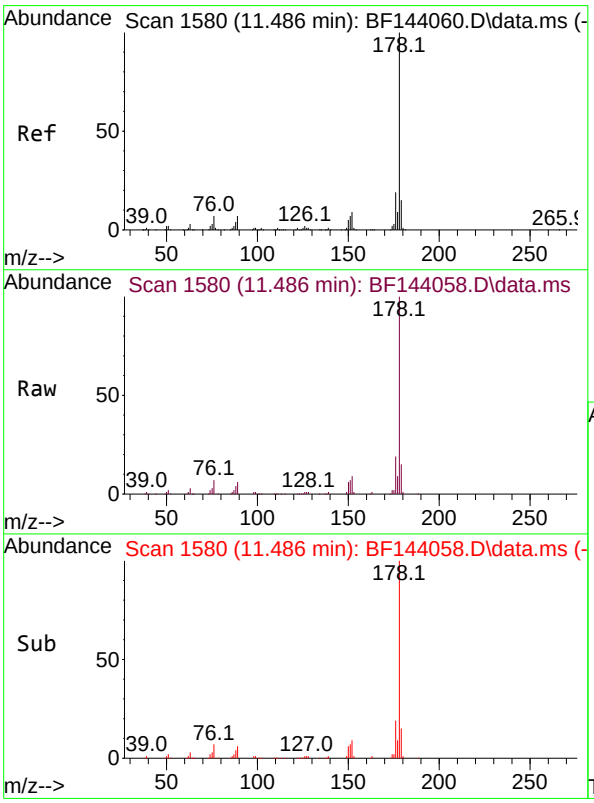
#71
Phenanthrene
Concen: 10.467 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 156663

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	14.1	12.6	18.8

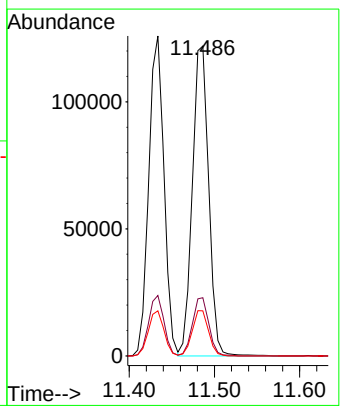


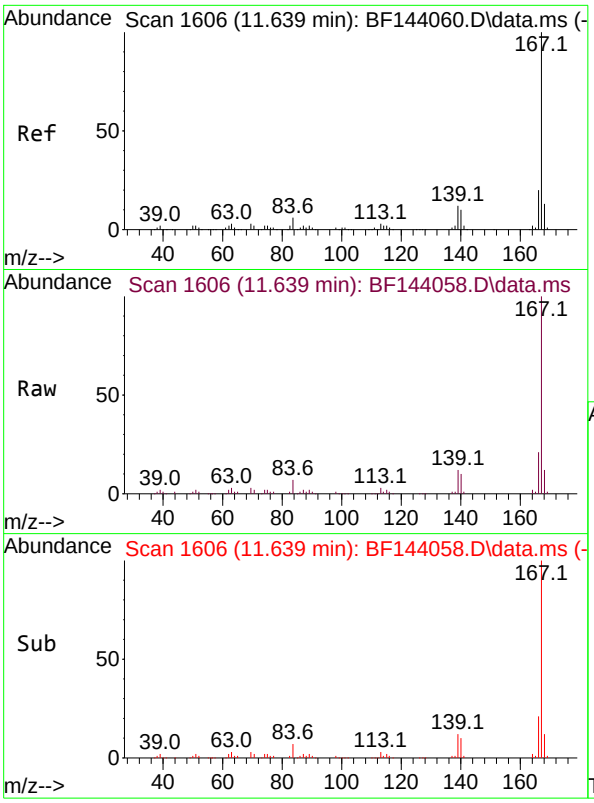


#72
Anthracene
Concen: 10.491 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:178 Resp: 162203

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.5	11.8	17.6



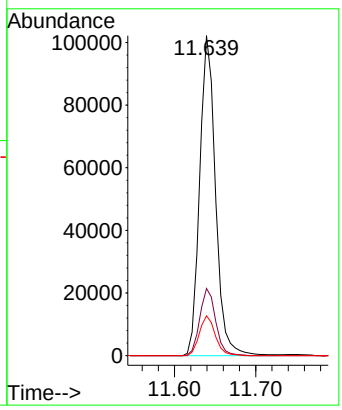


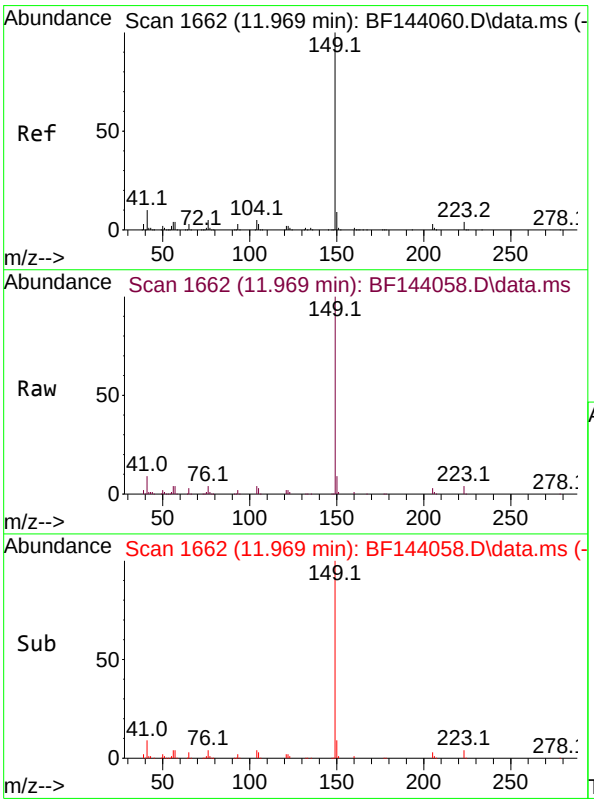
#73
Carbazole
Concen: 10.534 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 138634

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.1	24.1
139	12.4	9.8	14.6

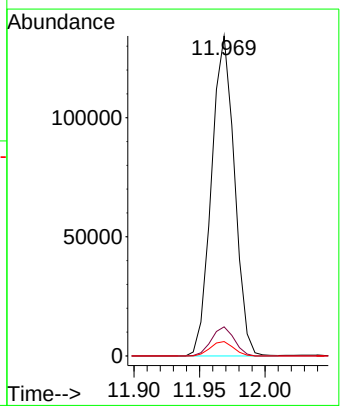


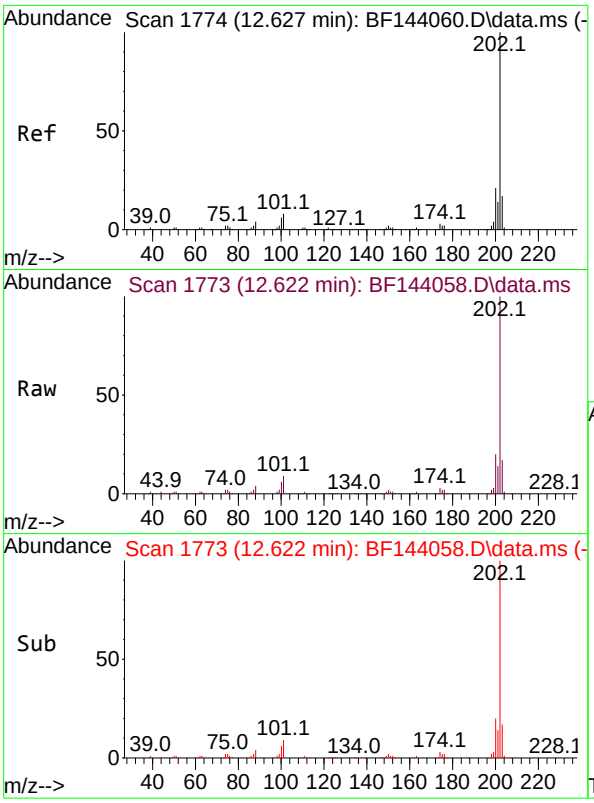


#74
Di-n-butylphthalate
Concen: 10.183 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:149 Resp: 164302

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.6	5.4



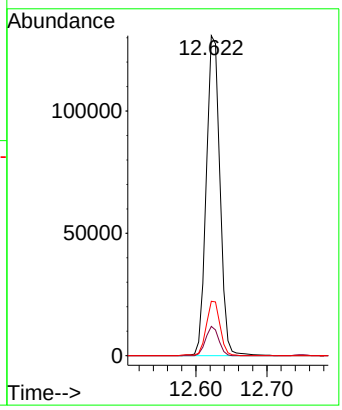


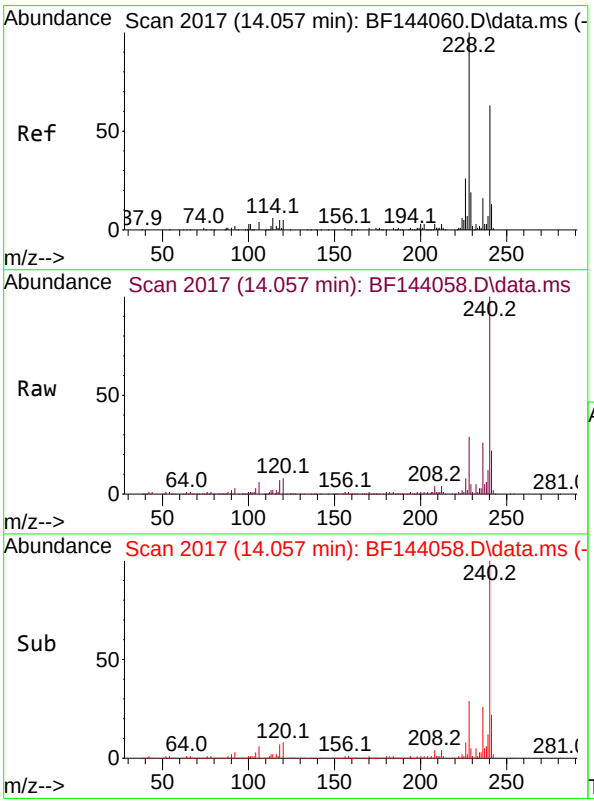
#75
Fluoranthene
Concen: 10.486 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 173397

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

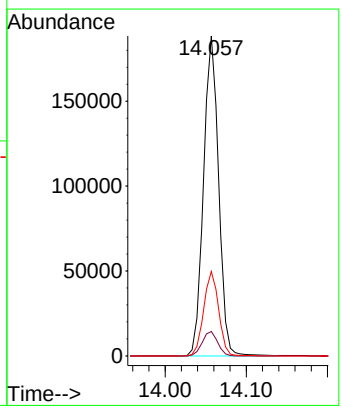


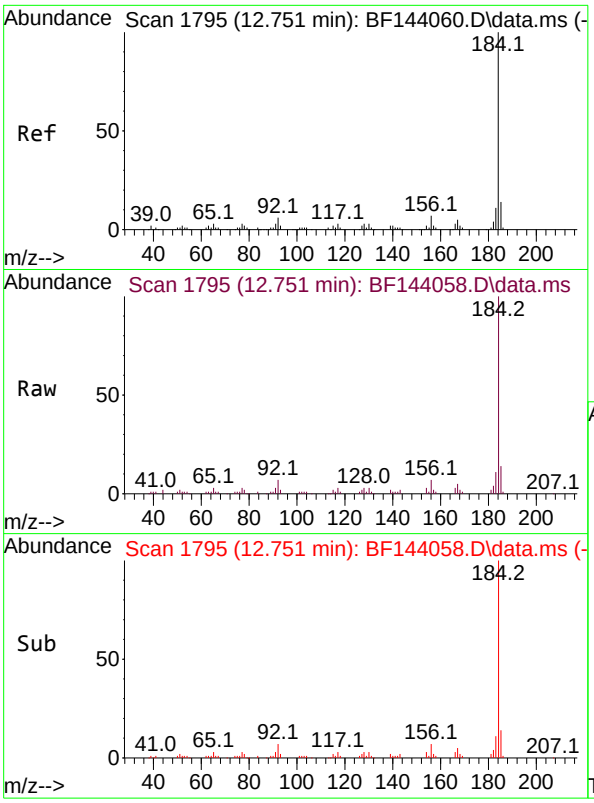


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:240 Resp: 243705

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



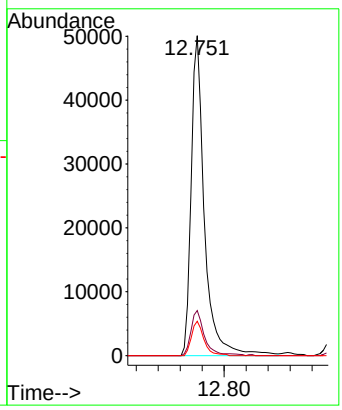


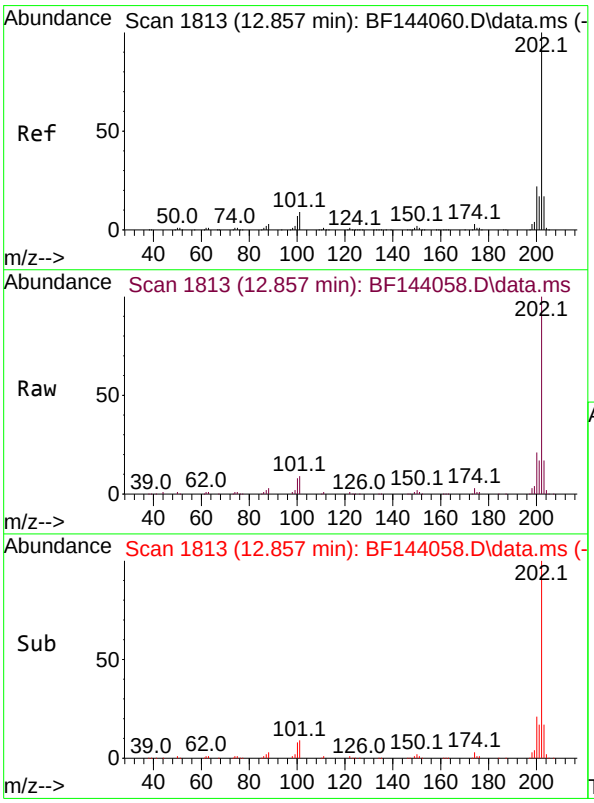
#77
Benzidine
Concen: 11.068 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 83945

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	10.7	8.5	12.7

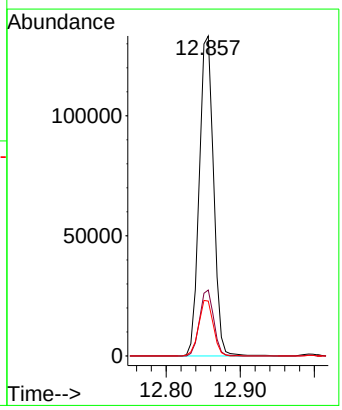


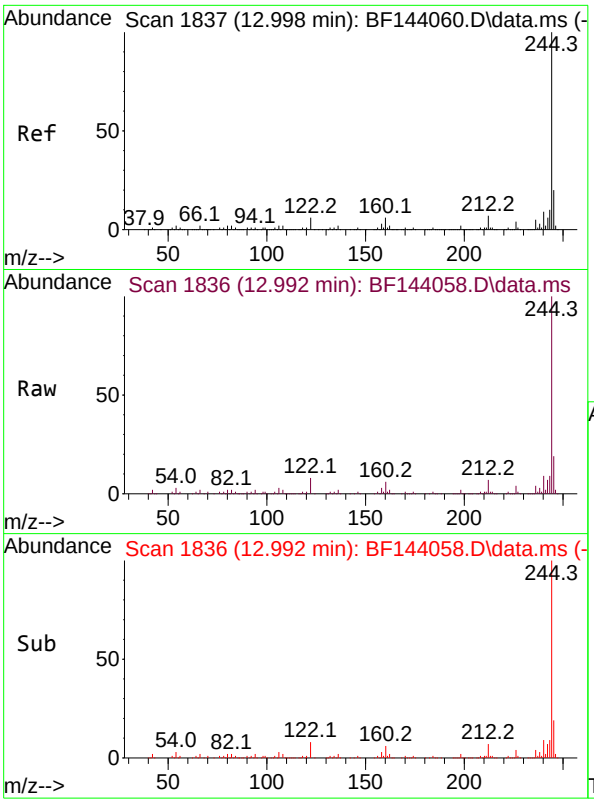


#78
Pyrene
Concen: 10.196 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:202 Resp: 178638

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.1	13.5	20.3



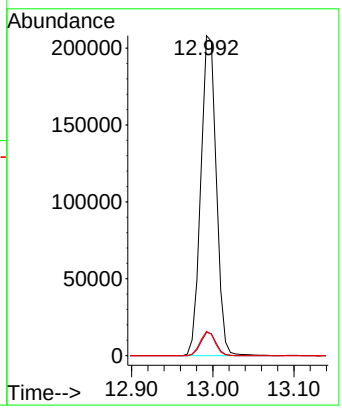


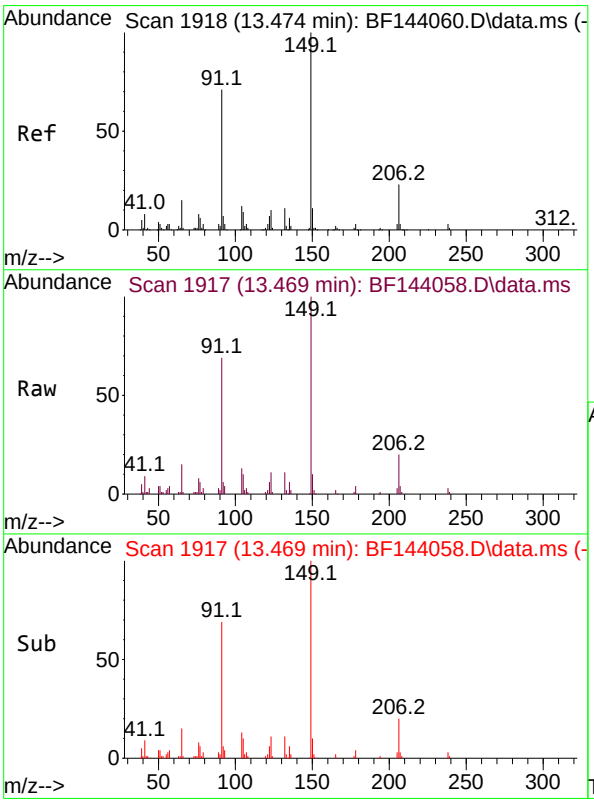
#79
Terphenyl-d14
Concen: 19.833 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 276477

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	7.6	4.9	7.3#

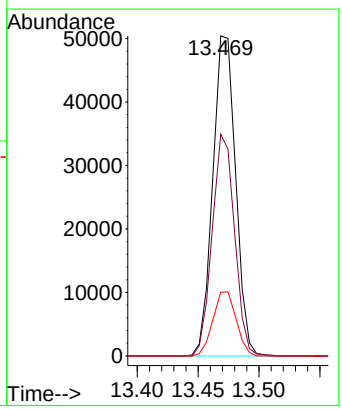


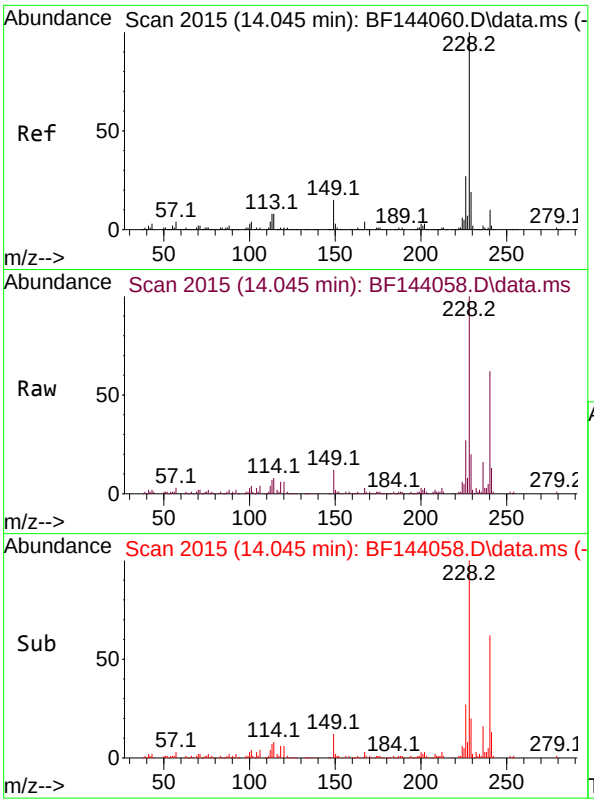


#80
Butylbenzylphthalate
Concen: 9.964 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:149 Resp: 66048

Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.6	84.8
206	19.9	18.3	27.5



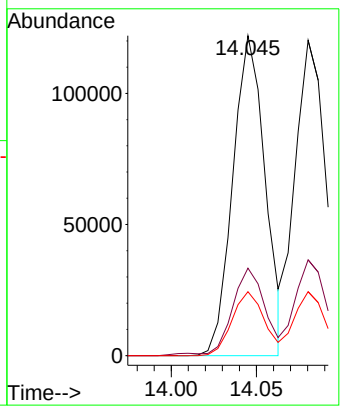


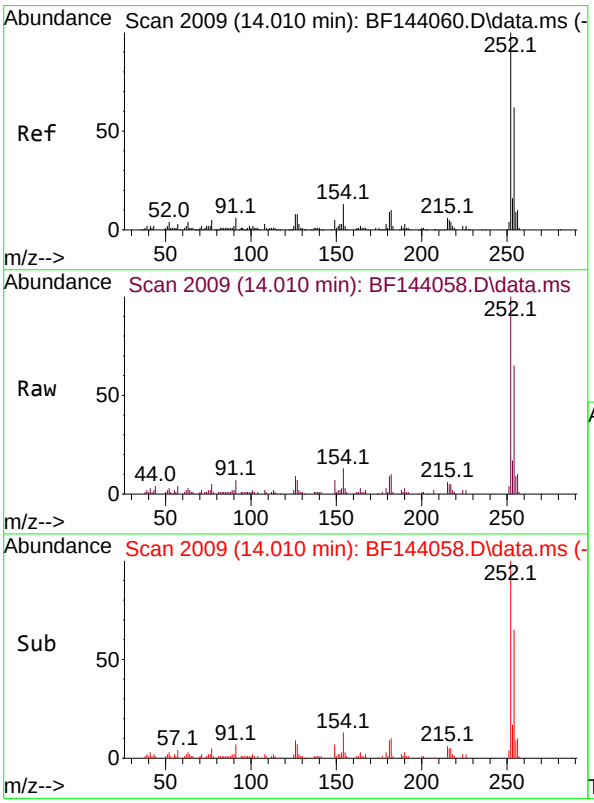
#81
Benzo(a)anthracene
Concen: 9.778 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 161042

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	20.0	15.3	22.9

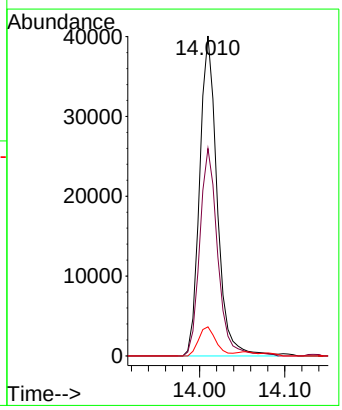


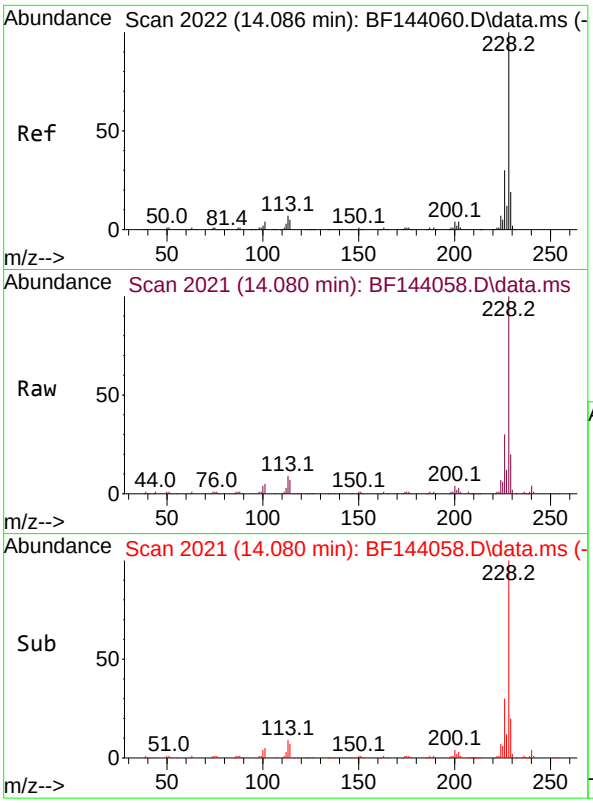


#82
3,3'-Dichlorobenzidine
Concen: 9.963 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:252 Resp: 57120

Ion	Ratio	Lower	Upper
252	100		
254	64.8	49.9	74.9
126	9.1	6.5	9.7



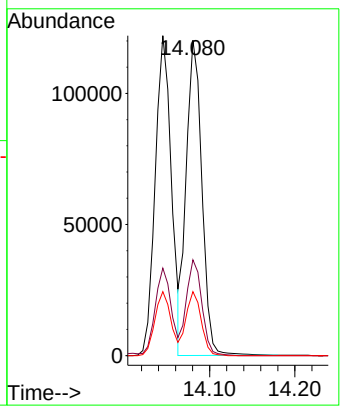


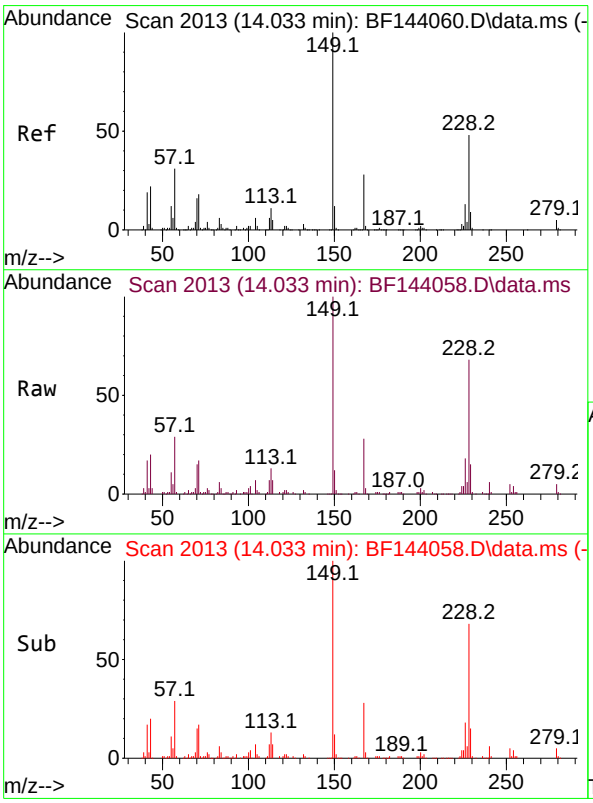
#83
Chrysene
Concen: 9.954 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 153845

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	20.3	15.6	23.4

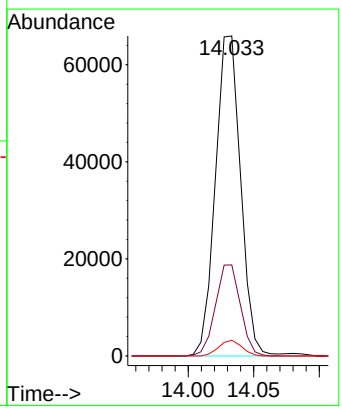


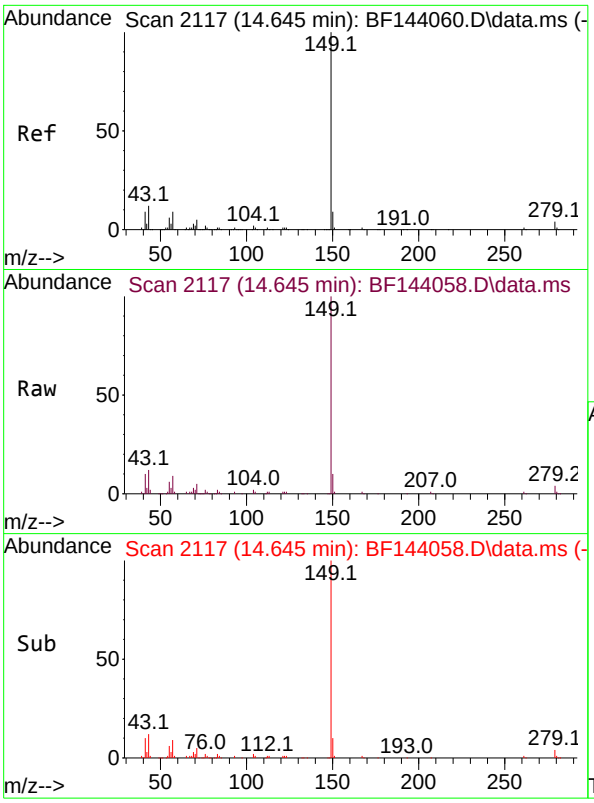


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.765 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:149 Resp: 88365

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.5	33.7
279	4.9	3.6	5.4



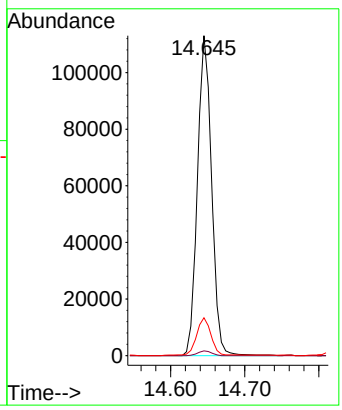


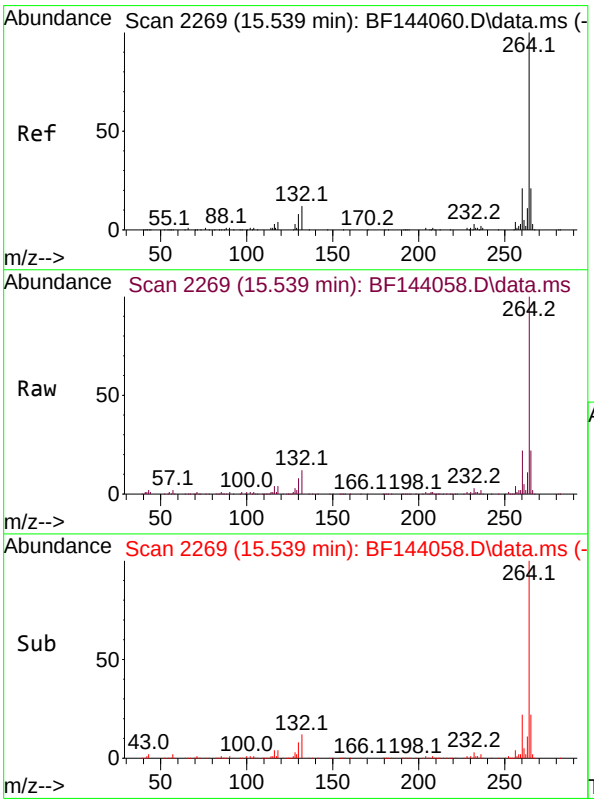
#85
Di-n-octyl phthalate
Concen: 9.616 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 149635

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

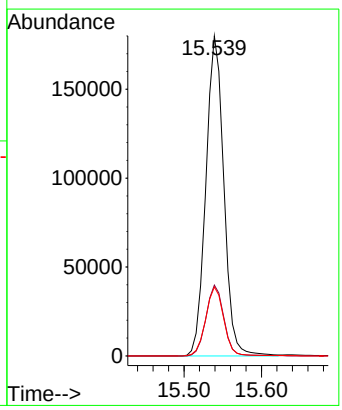


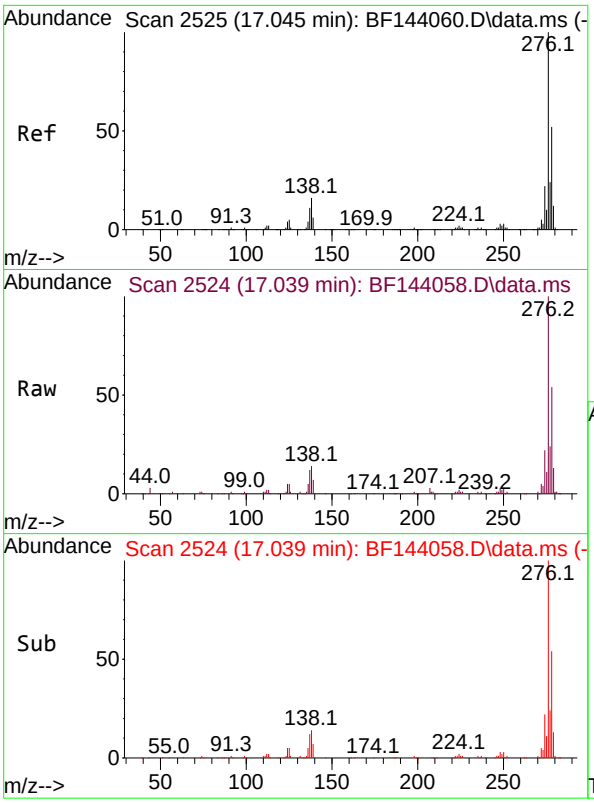


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:264 Resp: 290045

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



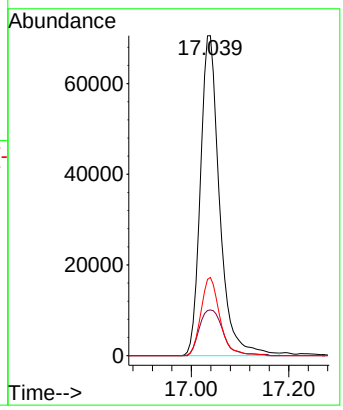


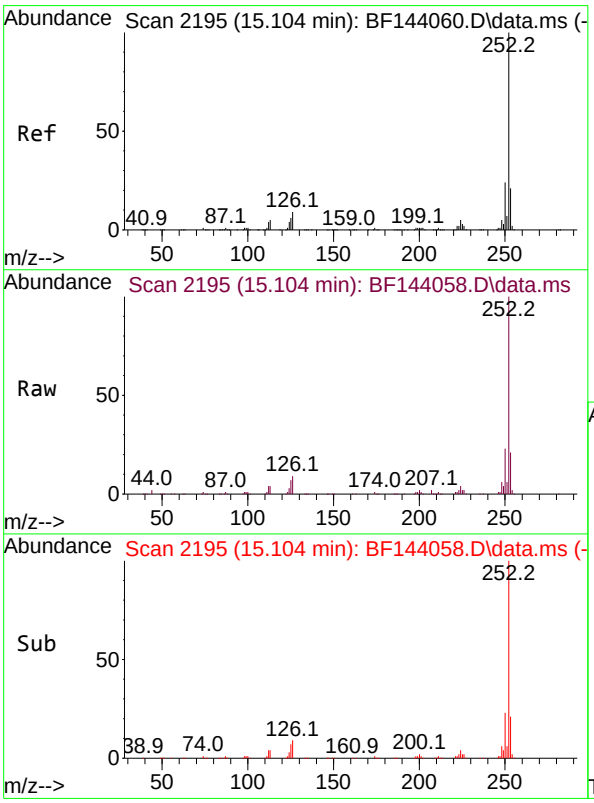
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.695 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 193064

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.0	19.6
277	24.2	19.4	29.0

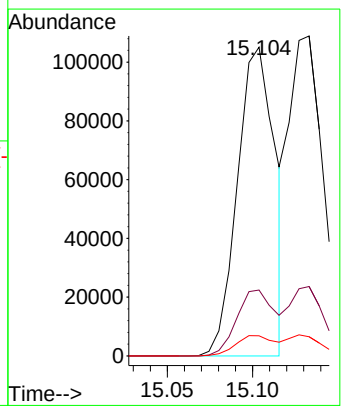


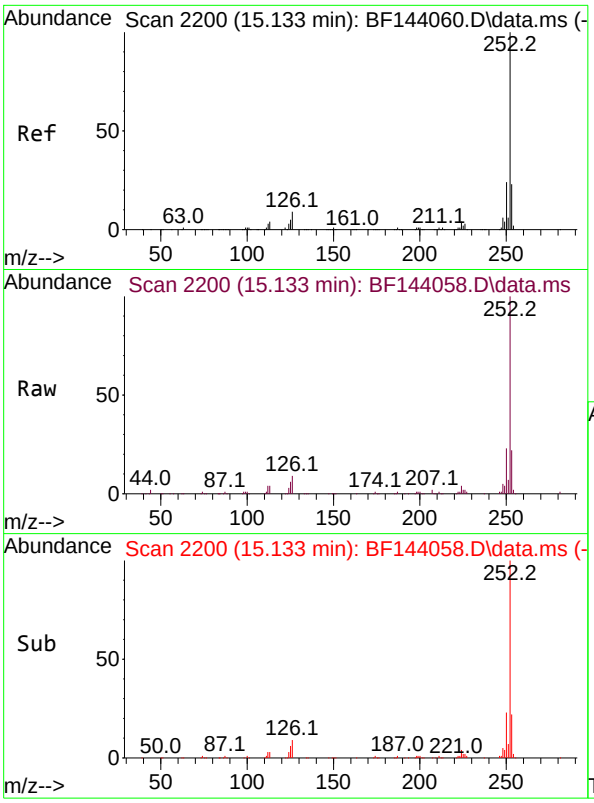


#88
Benzo(b)fluoranthene
Concen: 9.803 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:252 Resp: 160748

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	6.5	5.0	7.6



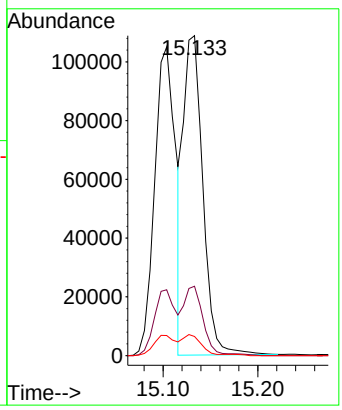


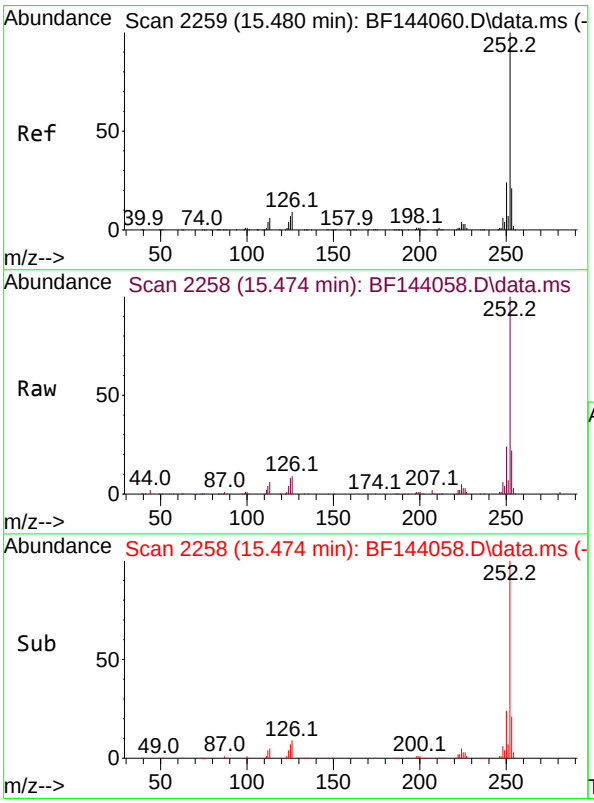
#89
Benzo(k)fluoranthene
Concen: 10.320 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 156128

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	6.0	4.9	7.3

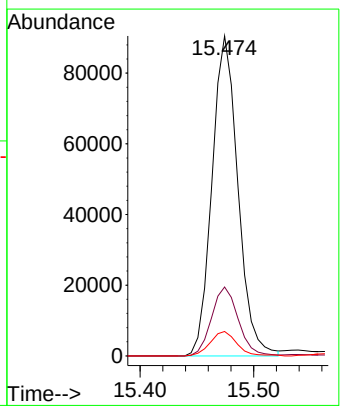


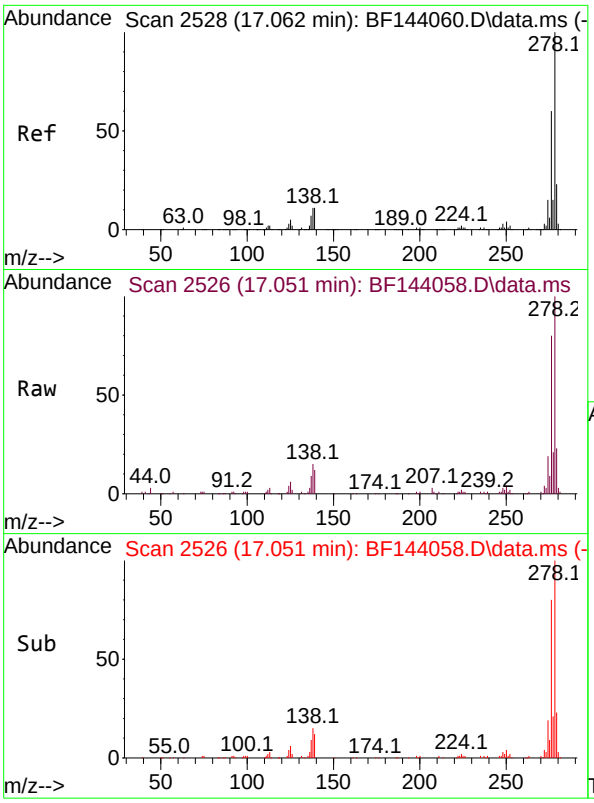


#90
Benzo(a)pyrene
Concen: 9.757 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:252 Resp: 143530

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	7.6	5.4	8.2



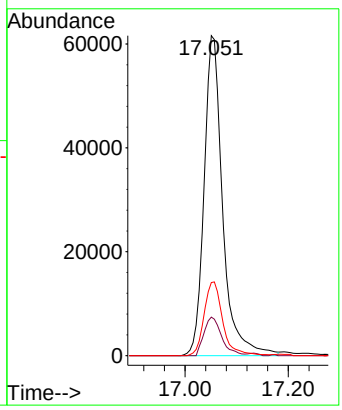


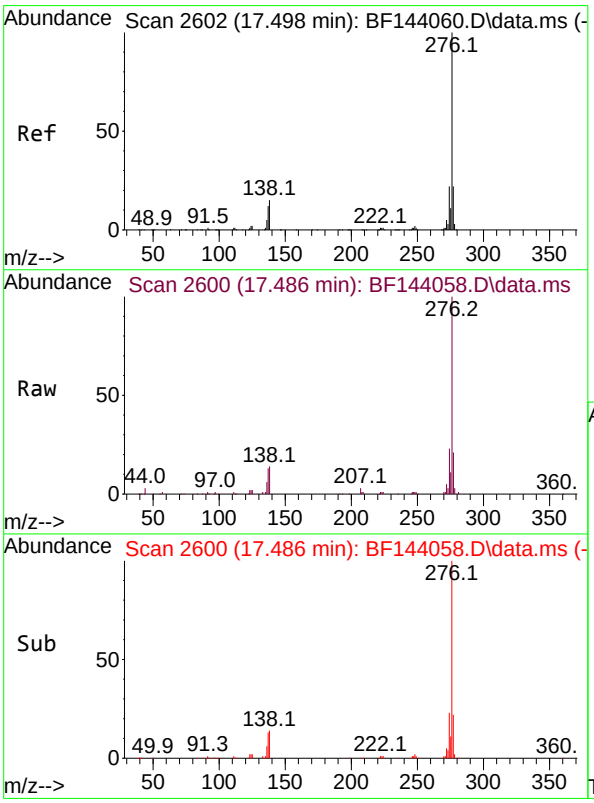
#91
Dibenzo(a,h)anthracene
Concen: 9.766 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 153941

Ion	Ratio	Lower	Upper
278	100		
139	12.0	8.5	12.7
279	22.8	18.6	28.0

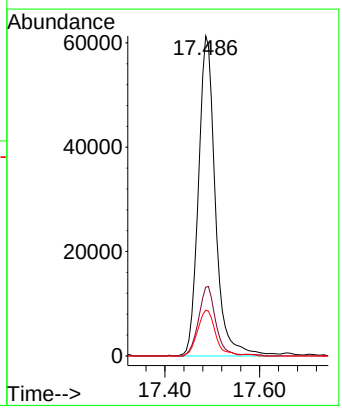




#92
Benzo(g,h,i)perylene
Concen: 9.614 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:276 Resp: 152368

Ion	Ratio	Lower	Upper
276	100		
277	21.5	17.9	26.9
138	14.3	12.0	18.0



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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

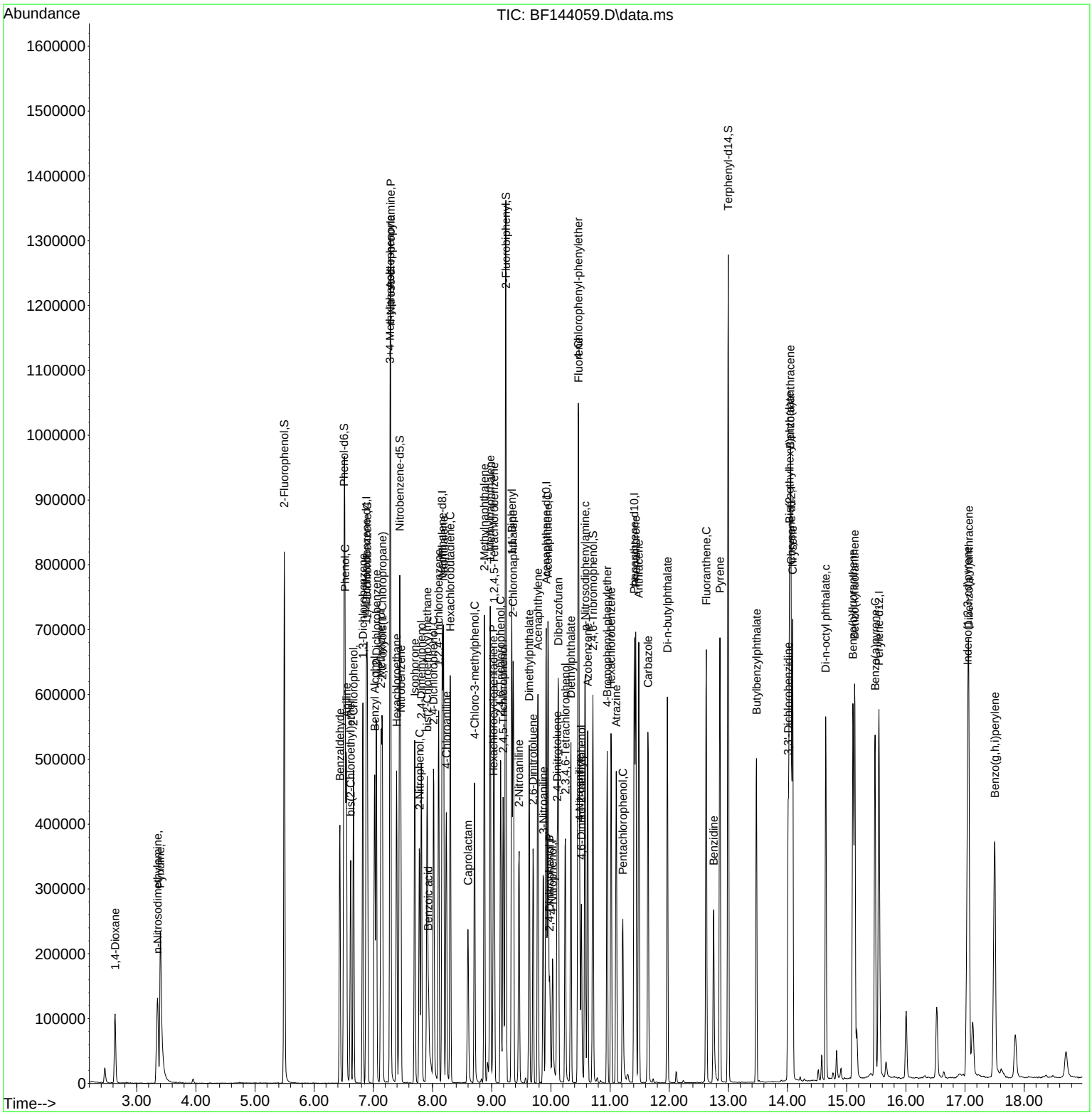
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	105424	20.655	ng		98
46) 1,1'-Biphenyl	9.339	154	313680	20.128	ng		99
47) 2-Chloronaphthalene	9.363	162	268452	20.561	ng		96
48) 2-Nitroaniline	9.463	65	80171	20.678	ng		97
49) Acenaphthylene	9.780	152	362218	20.575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

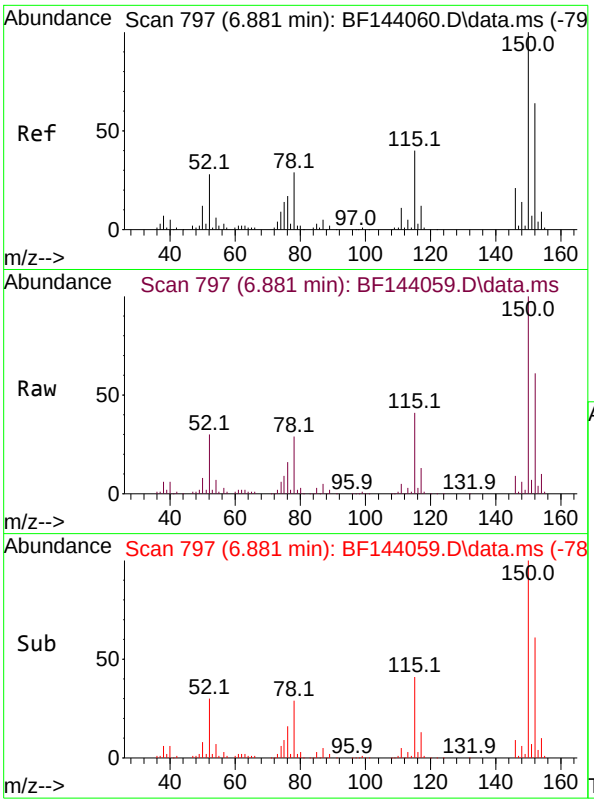
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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



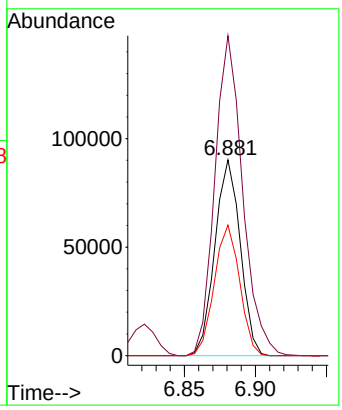


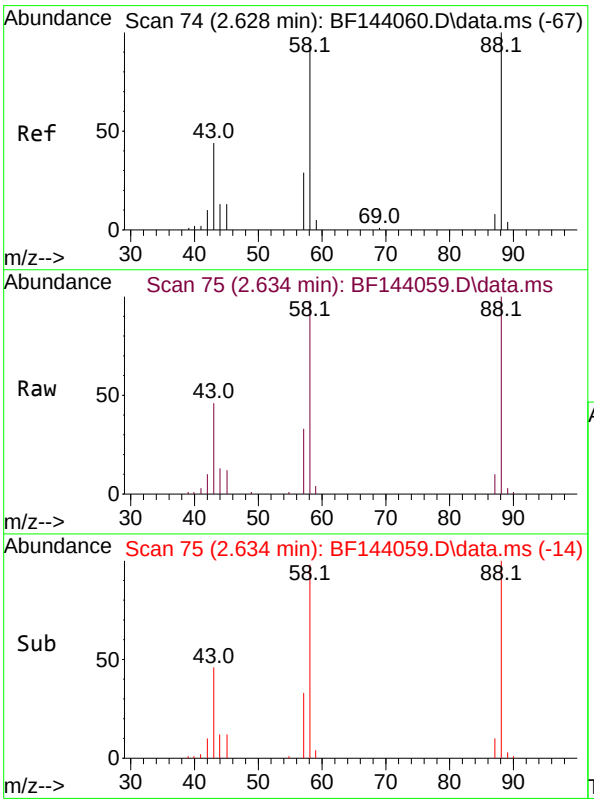
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 112429

Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.4	186.6
115	66.6	49.4	74.0

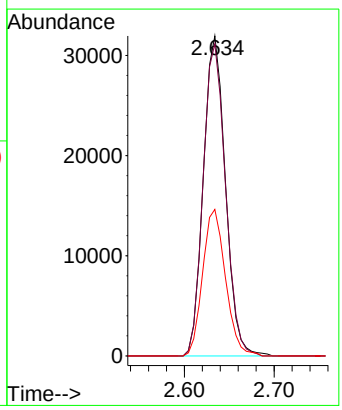


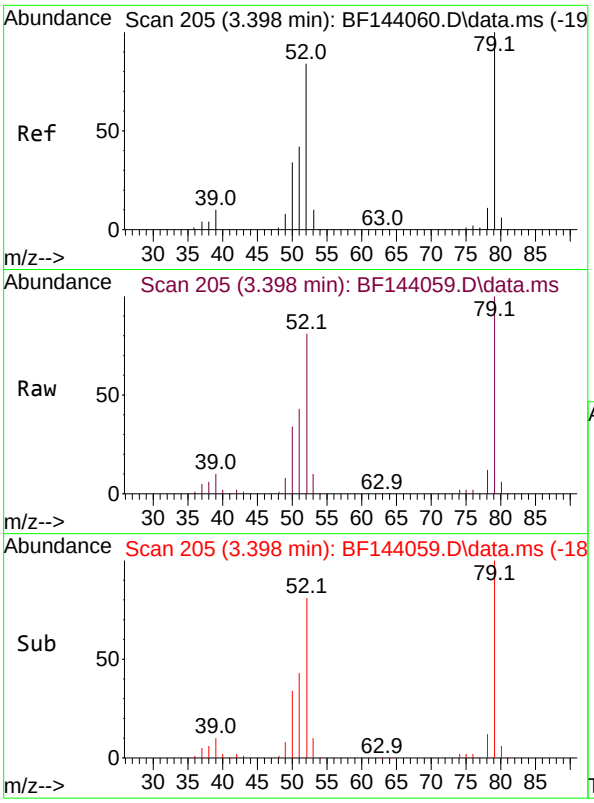


#2
1,4-Dioxane
Concen: 17.768 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 88 Resp: 54561

Ion	Ratio	Lower	Upper
88	100		
58	98.8	76.5	114.7
43	47.5	35.3	52.9



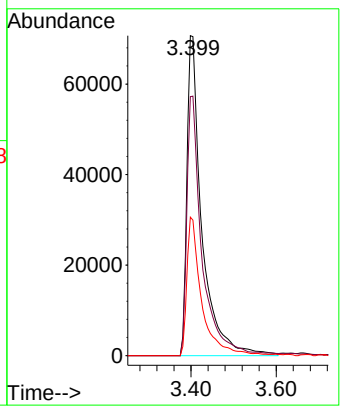


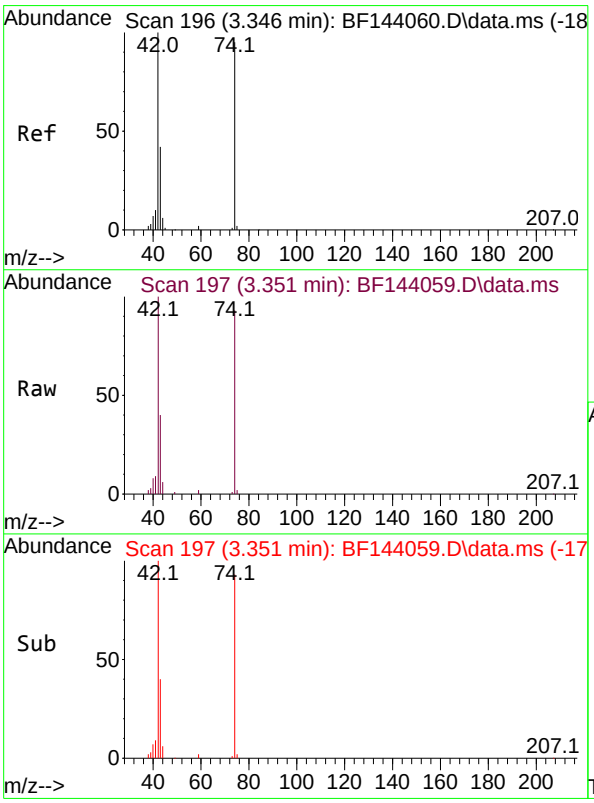
#3
Pyridine
Concen: 20.922 ng
RT: 3.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 172002

Ion	Ratio	Lower	Upper
79	100		
52	80.9	67.5	101.3
51	43.3	33.6	50.4

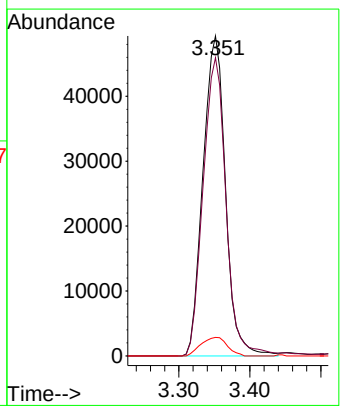


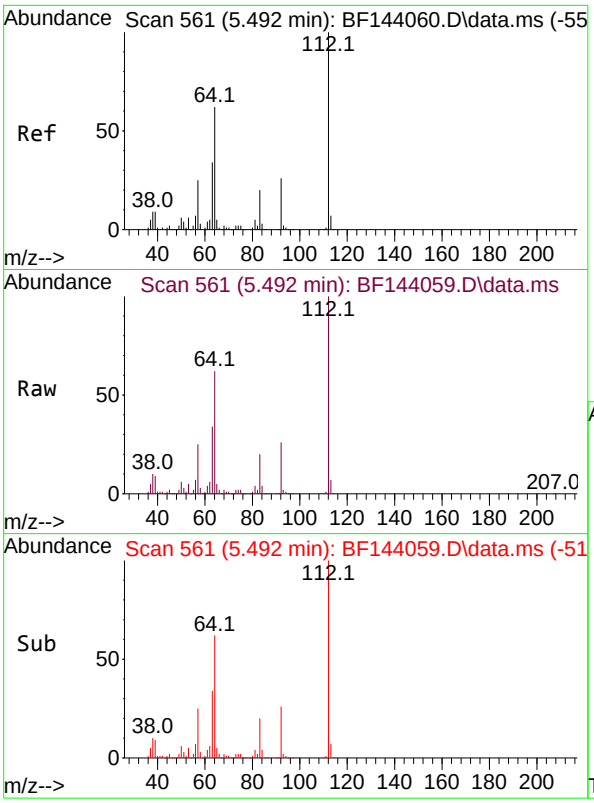


#4
n-Nitrosodimethylamine
Concen: 21.434 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 42 Resp: 108274

Ion	Ratio	Lower	Upper
42	100		
74	93.2	76.4	114.6
44	5.8	5.2	7.8



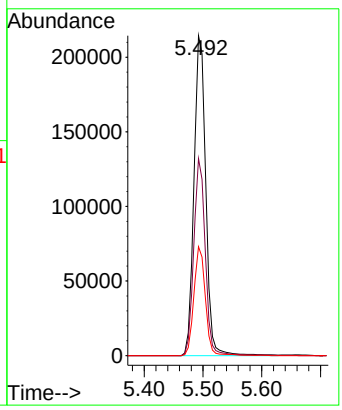


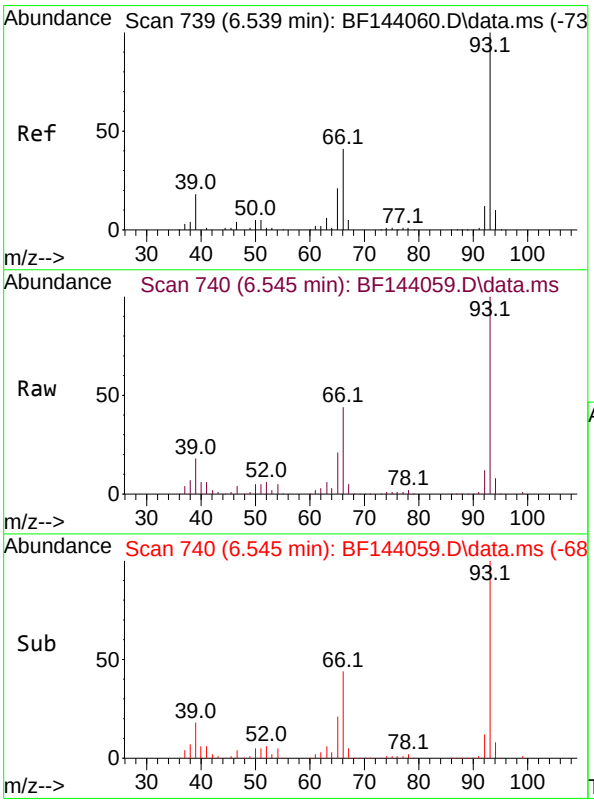
#5
2-Fluorophenol
Concen: 42.021 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 298616

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.8	74.8
63	34.0	27.4	41.2

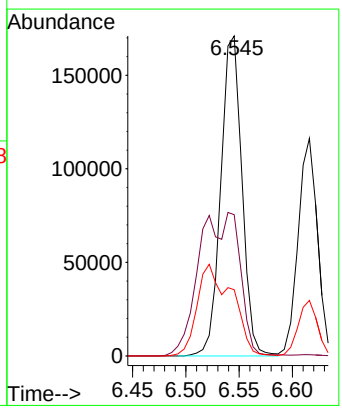


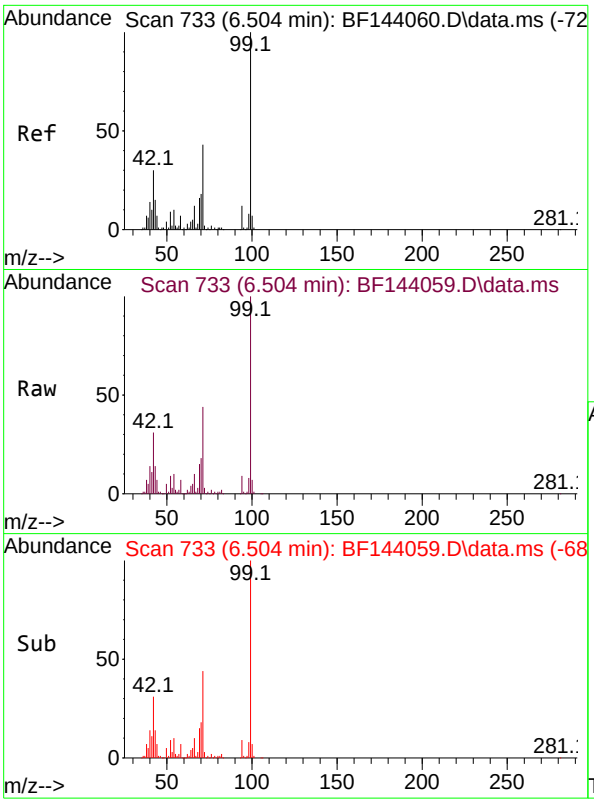


#6
Aniline
Concen: 21.092 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 93 Resp: 236820

Ion	Ratio	Lower	Upper
93	100		
66	44.1	35.7	53.5
65	20.7	17.0	25.6



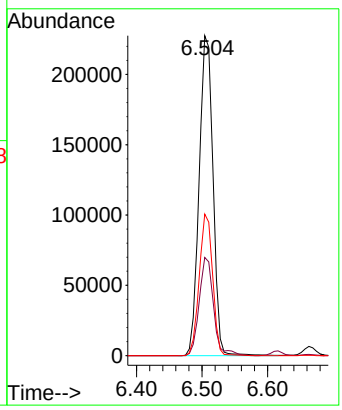


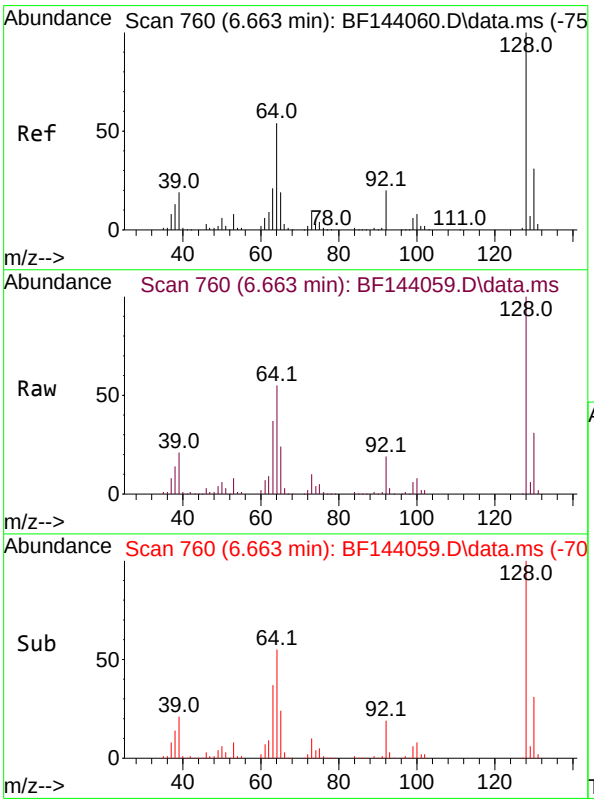
#7
Phenol-d6
Concen: 42.423 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 332945

Ion	Ratio	Lower	Upper
99	100		
42	30.7	23.9	35.9
71	44.2	34.4	51.6

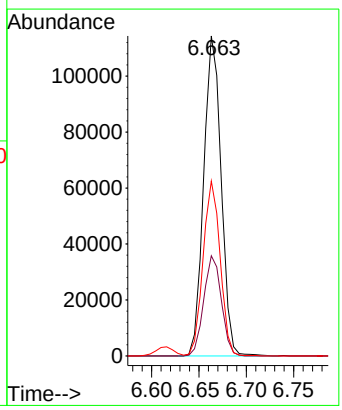


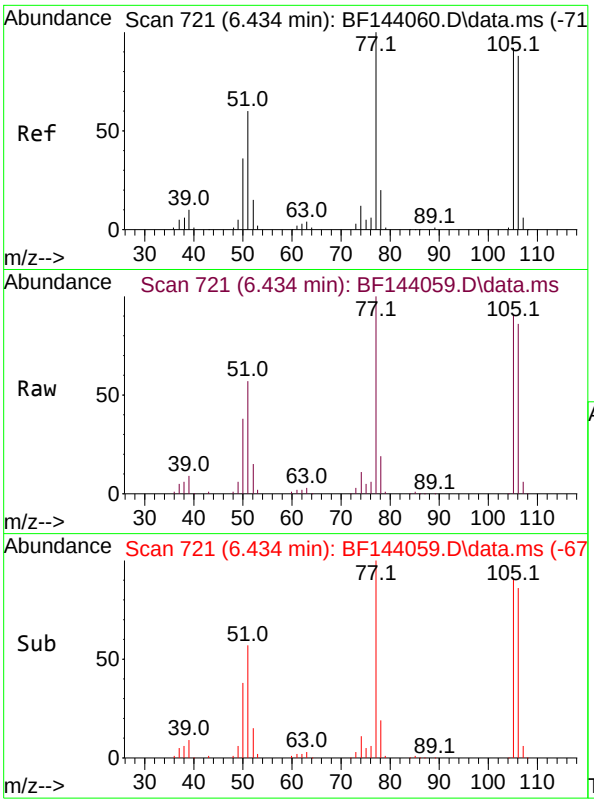


#8
2-Chlorophenol
Concen: 20.988 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:128 Resp: 146877

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.7	50.7
64	54.6	34.7	74.7



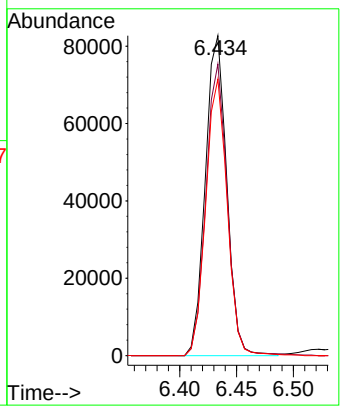


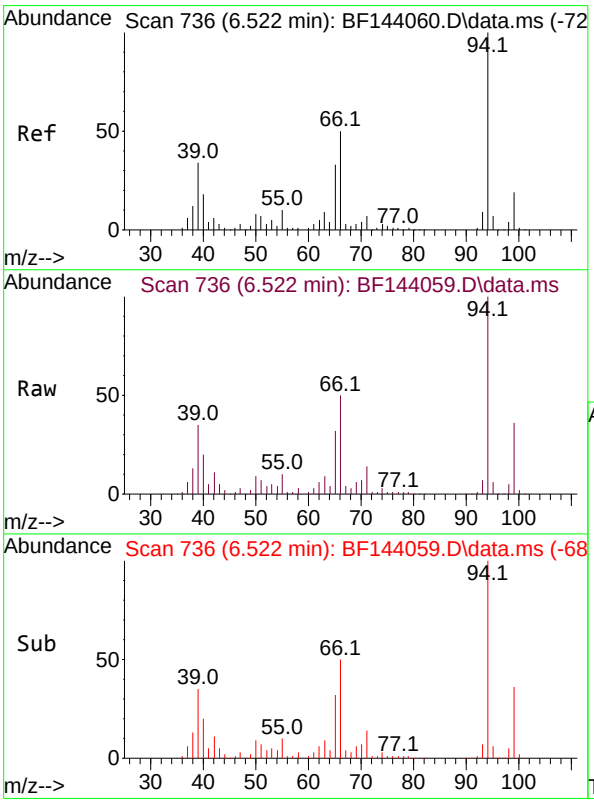
#9
Benzaldehyde
Concen: 17.802 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 108472

Ion	Ratio	Lower	Upper
77	100		
105	91.1	72.2	112.2
106	86.4	67.9	107.9

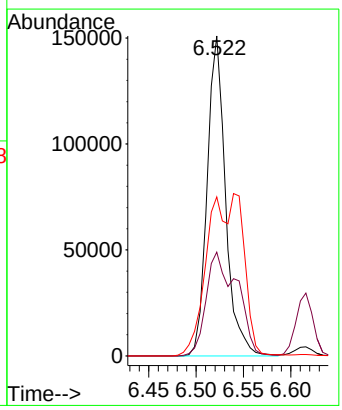


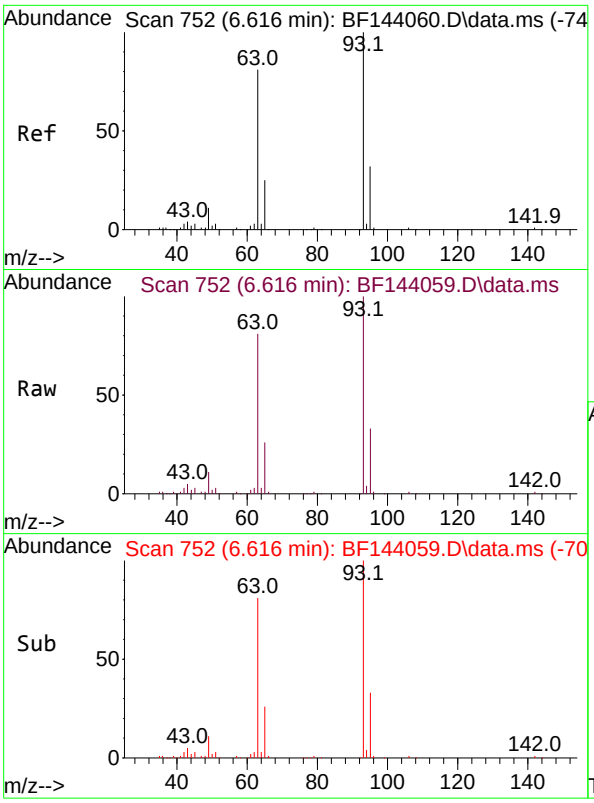


#10
Phenol
Concen: 21.136 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 94 Resp: 204649

Ion	Ratio	Lower	Upper
94	100		
65	32.4	13.1	53.1
66	49.7	30.6	70.6



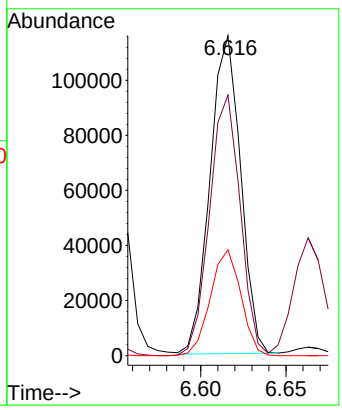


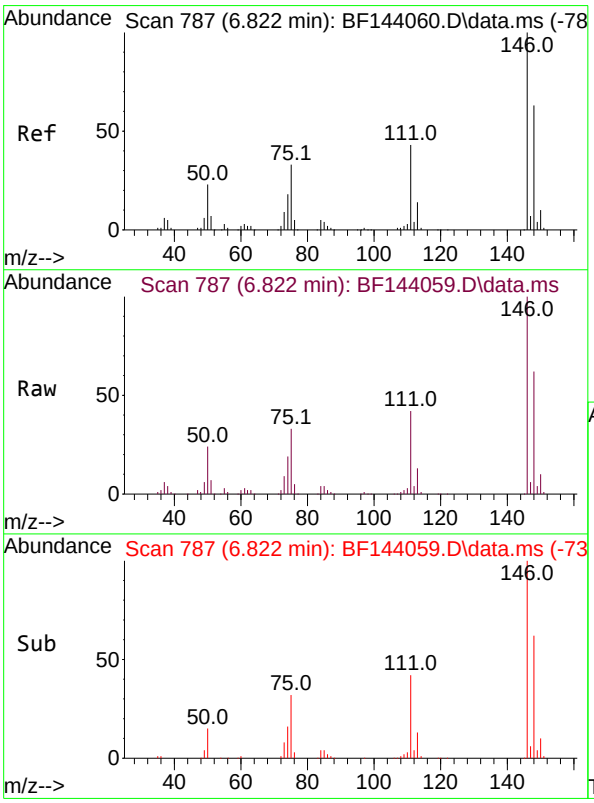
#11
bis(2-Chloroethyl)ether
Concen: 20.652 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 144490

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

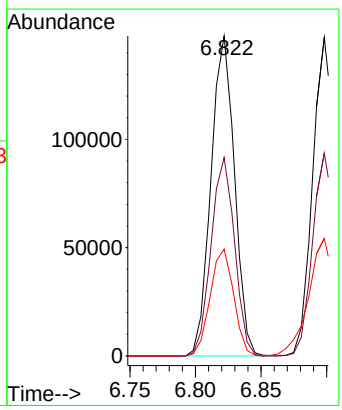


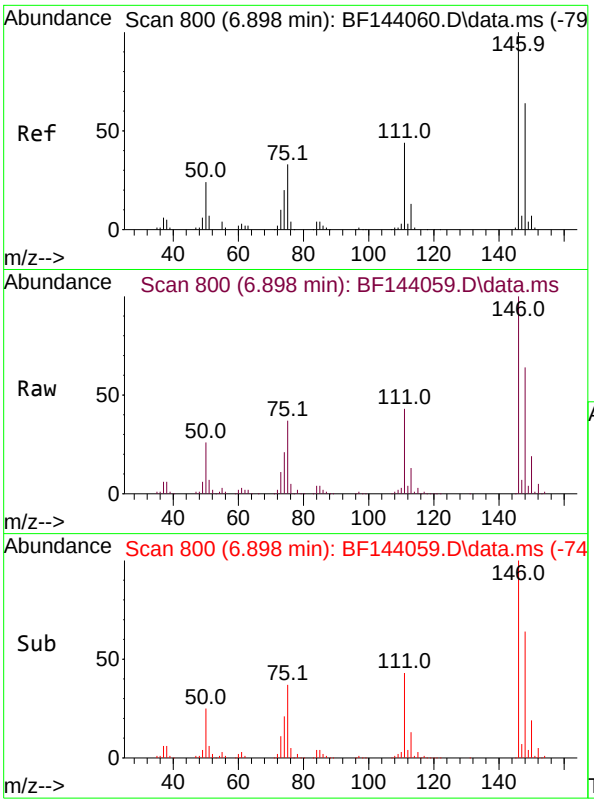


#12
1,3-Dichlorobenzene
Concen: 21.358 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:146 Resp: 184376

Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.6	75.8
75	33.4	26.6	40.0



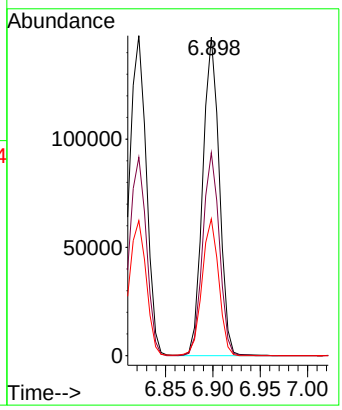


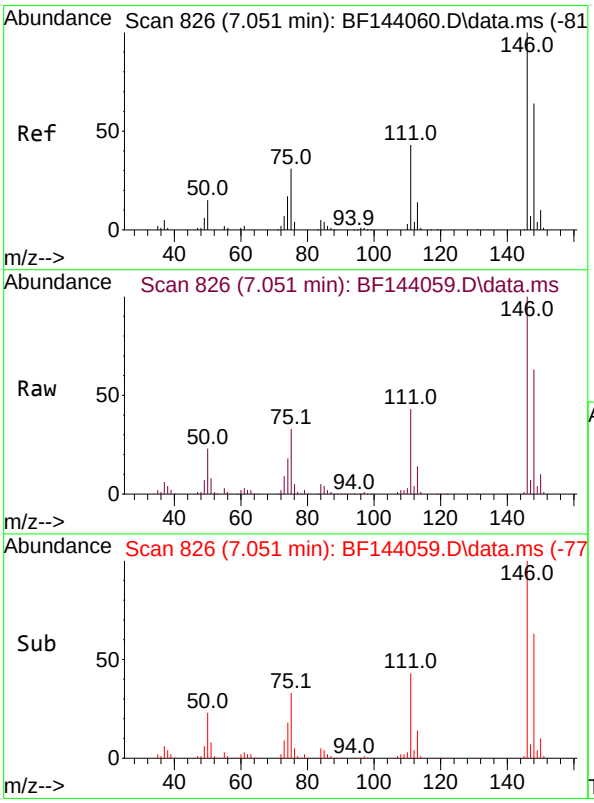
#13
1,4-Dichlorobenzene
Concen: 21.035 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 178962

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	42.9	35.0	52.6

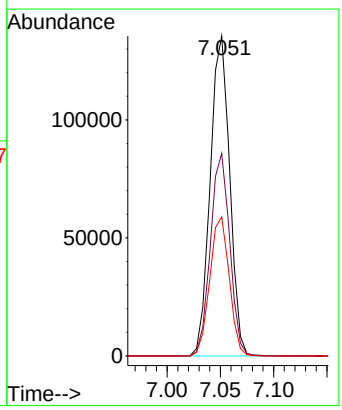


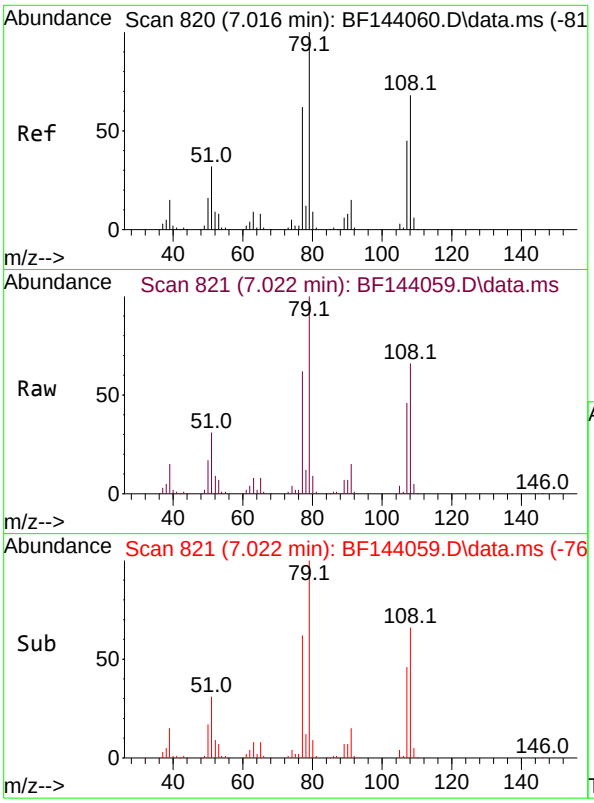


#14
1,2-Dichlorobenzene
Concen: 20.951 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:146 Resp: 172463

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	43.5	34.7	52.1



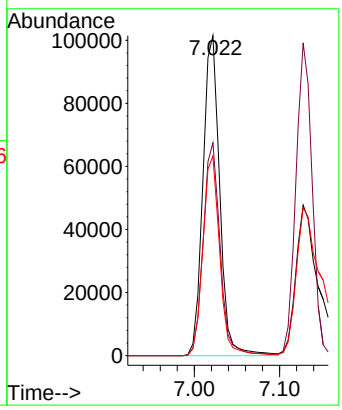


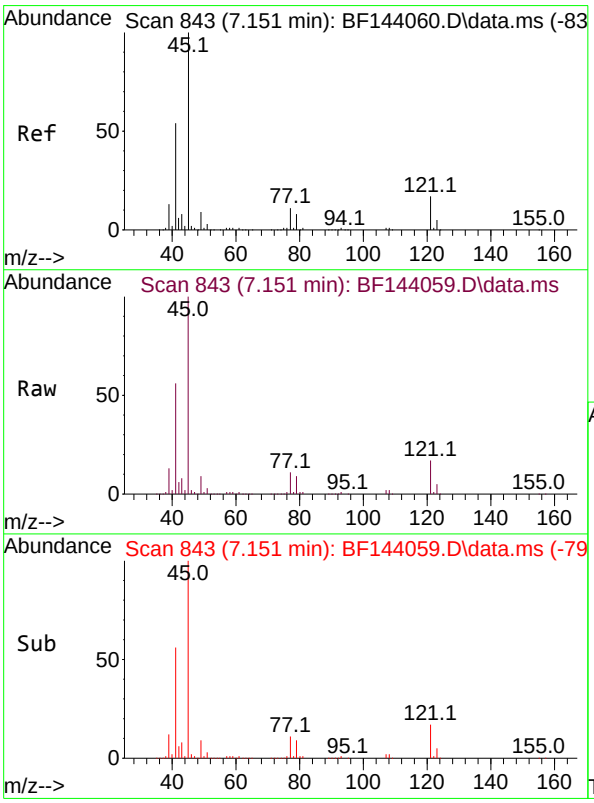
#15
Benzyl Alcohol
Concen: 21.748 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 138784

Ion	Ratio	Lower	Upper
79	100		
108	66.5	54.8	82.2
77	62.4	49.4	74.0

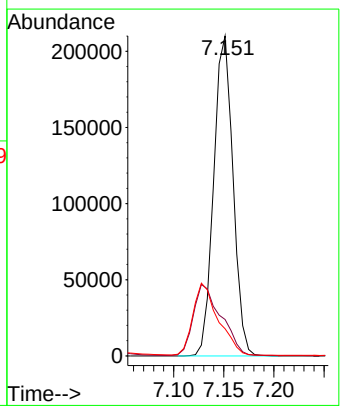


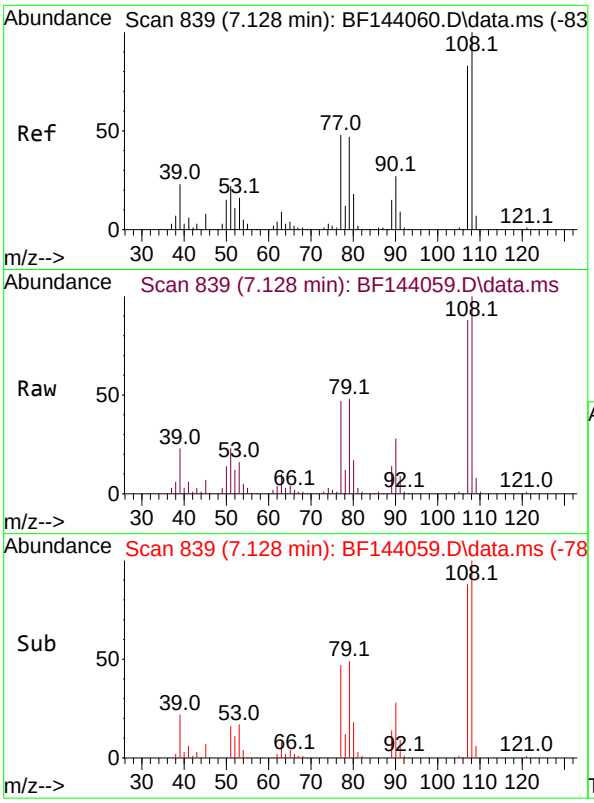


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.419 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 45 Resp: 281645

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	30.9
79	8.5	0.0	28.2



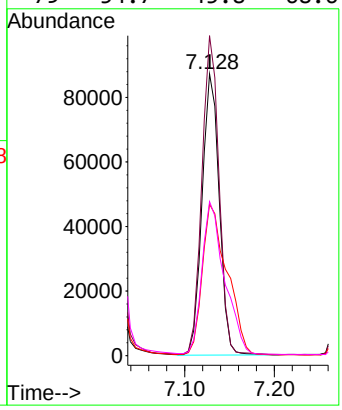


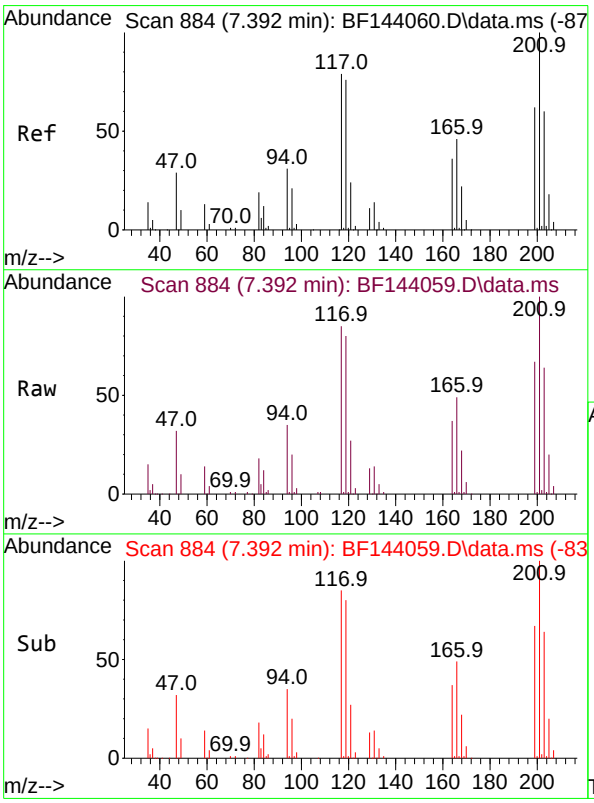
#17
2-Methylphenol
Concen: 21.550 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 115994

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

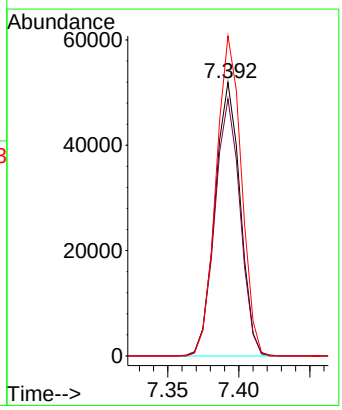


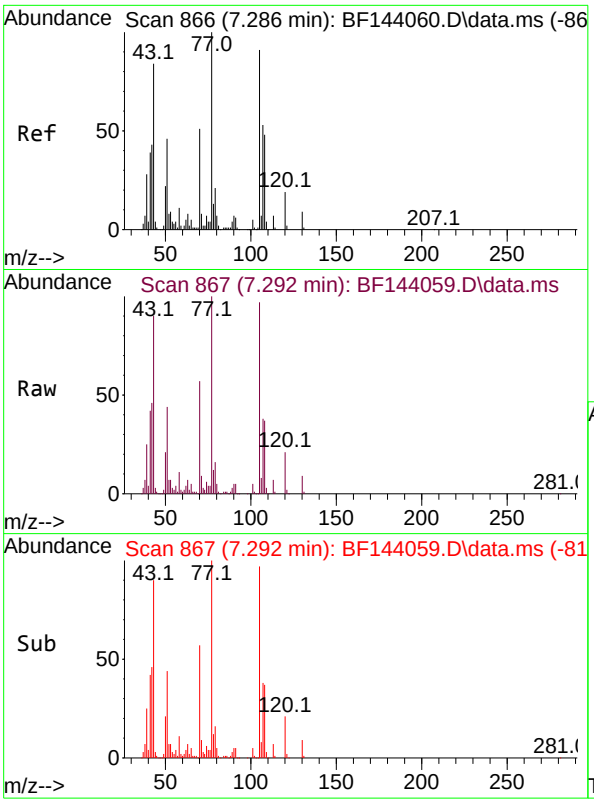


#18
Hexachloroethane
Concen: 21.020 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:117 Resp: 63937

Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.6	115.0
201	117.0	100.9	151.3



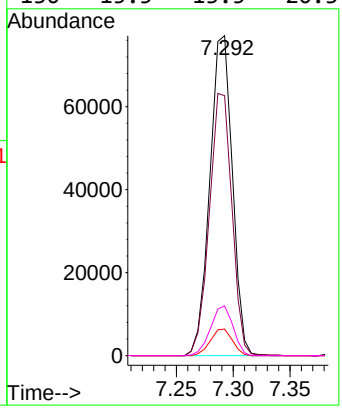


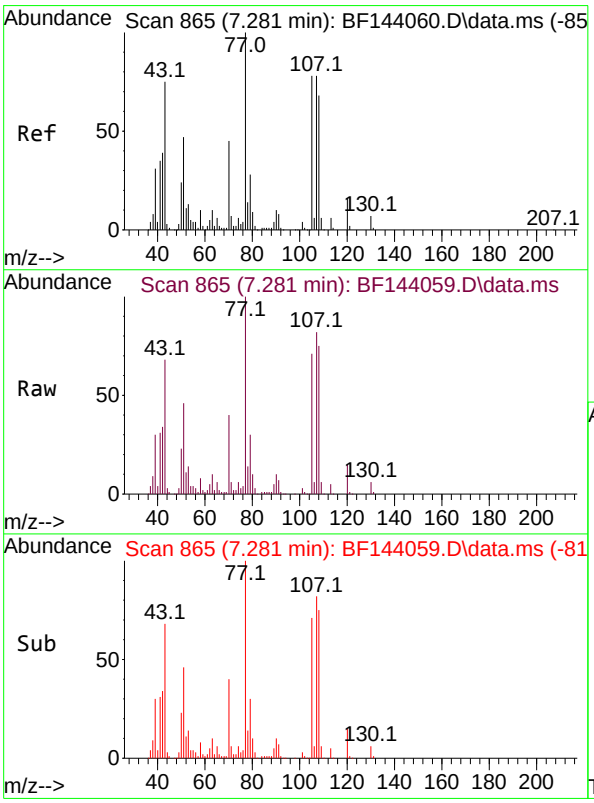
#19
n-Nitroso-di-n-propylamine
Concen: 21.019 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 106671

Ion	Ratio	Lower	Upper
70	100		
42	81.2	67.4	101.0
101	8.3	7.1	10.7
130	15.5	13.5	20.3

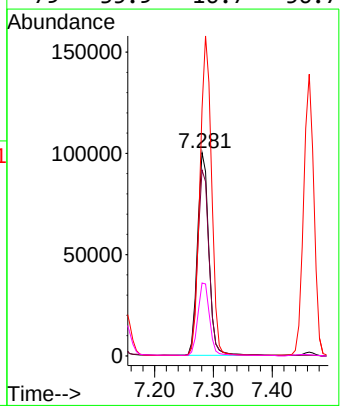


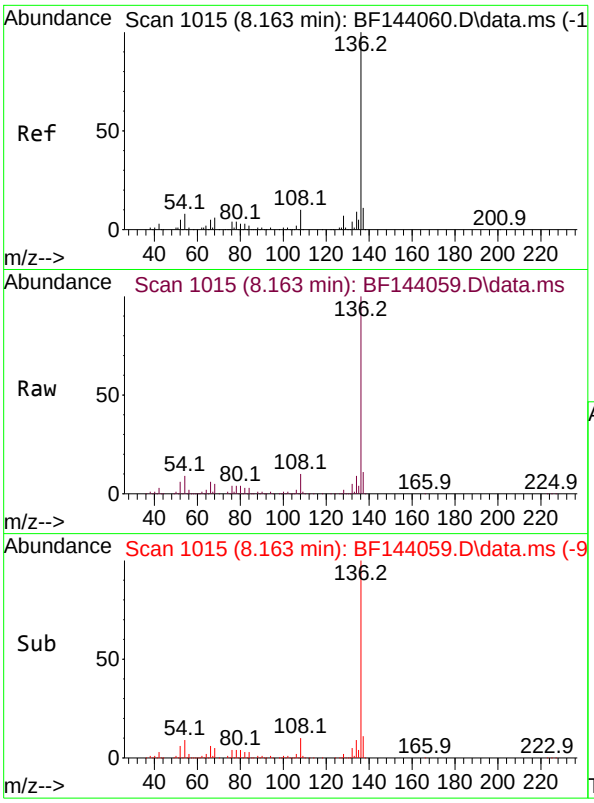


#20
3+4-Methylphenols
Concen: 21.033 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:107 Resp: 133833

Ion	Ratio	Lower	Upper
107	100		
108	91.4	68.0	108.0
77	121.6	108.7	148.7
79	35.9	16.7	56.7



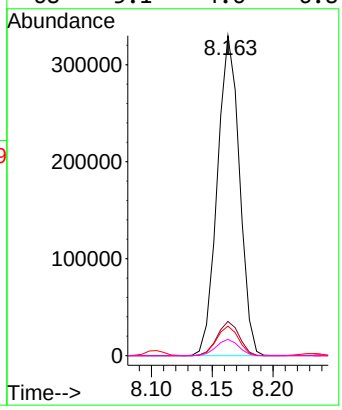


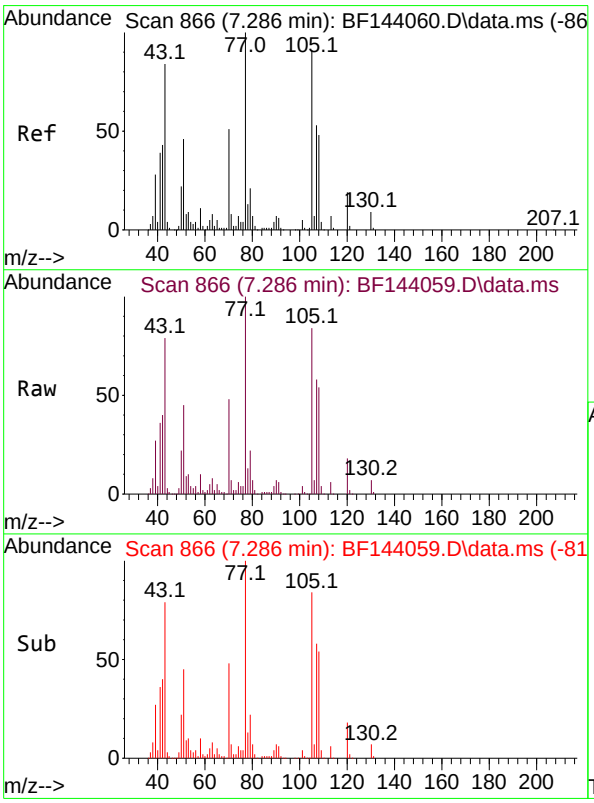
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 417749

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	6.6	9.8
68	5.1	4.6	6.8

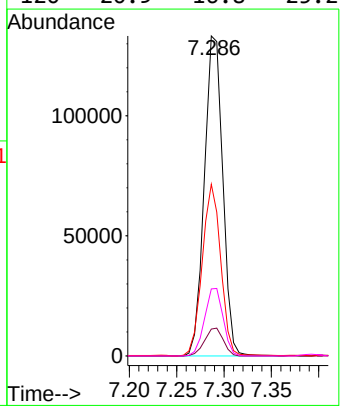


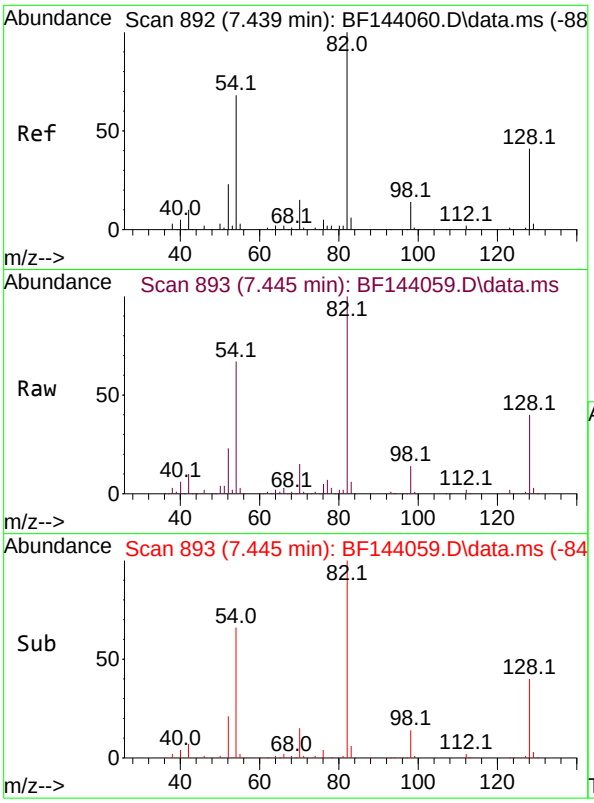


#22
Acetophenone
Concen: 20.050 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:105 Resp: 181010

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.9	10.3
51	53.6	40.6	60.8
120	20.9	16.8	25.2



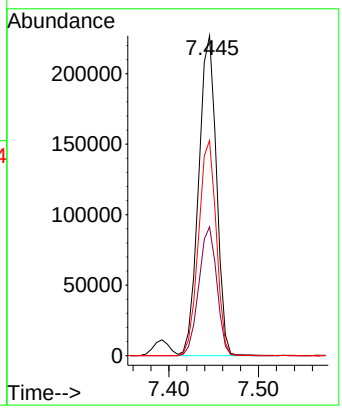


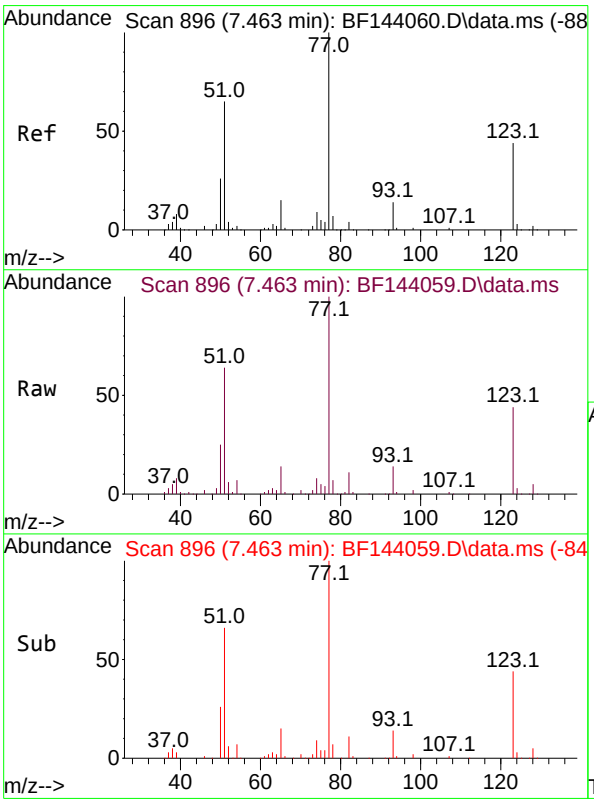
#23
Nitrobenzene-d5
Concen: 41.016 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 312746

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

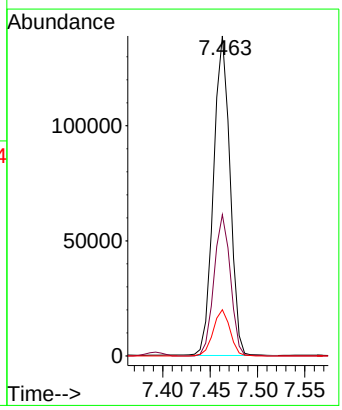


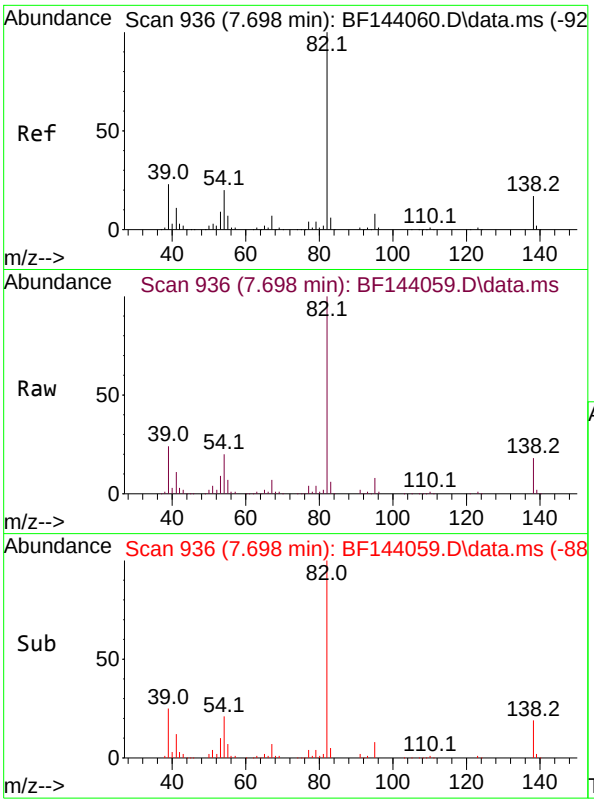


#24
Nitrobenzene
Concen: 20.907 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 77 Resp: 168641

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



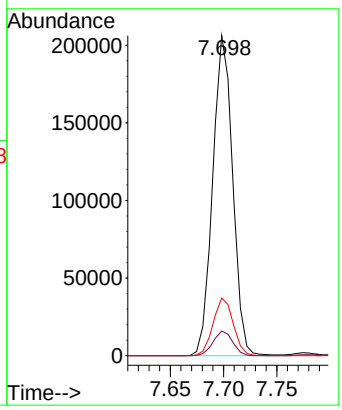


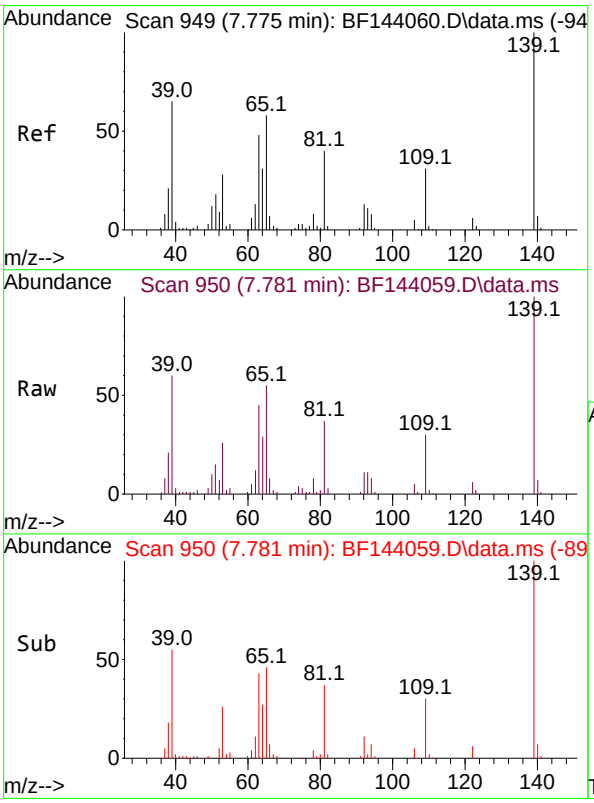
#25
Isophorone
Concen: 20.206 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 269356

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.6	9.8
138	18.0	13.8	20.8

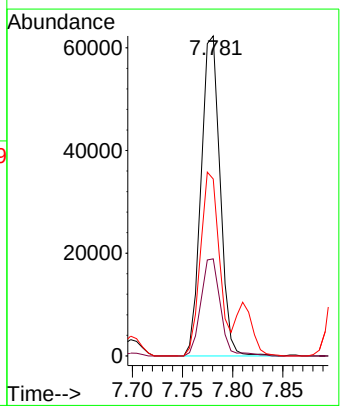


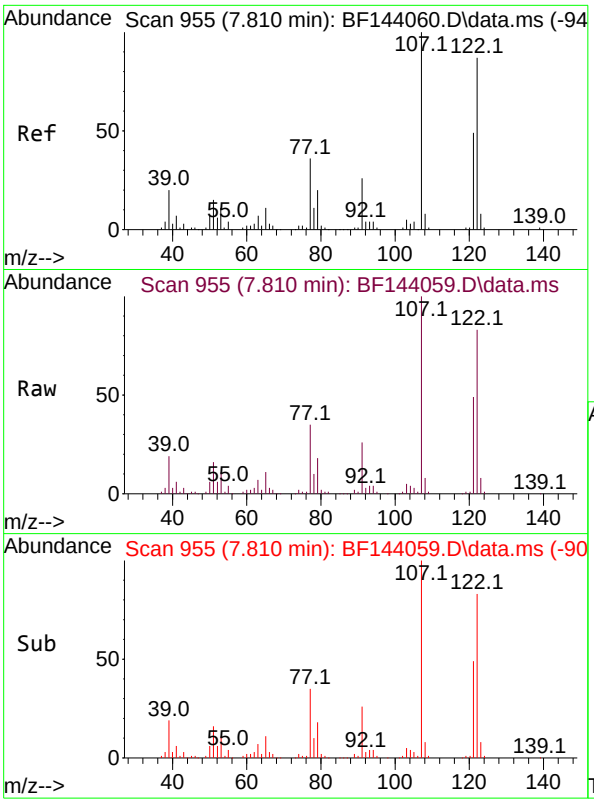


#26
2-Nitrophenol
Concen: 21.306 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:139 Resp: 81754

Ion	Ratio	Lower	Upper
139	100		
109	30.3	24.6	37.0
65	55.3	46.6	69.8



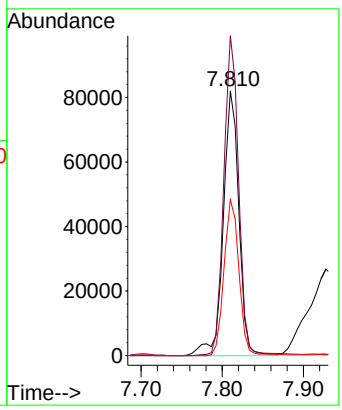


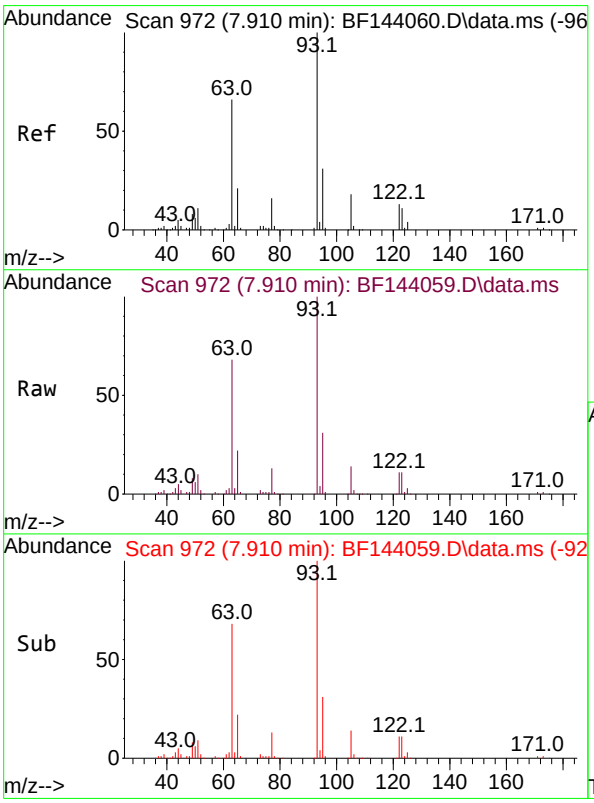
#27
2,4-Dimethylphenol
Concen: 19.202 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 109494

Ion	Ratio	Lower	Upper
122	100		
107	120.9	91.8	137.8
121	58.9	45.2	67.8

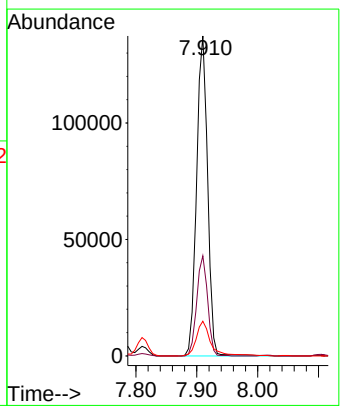


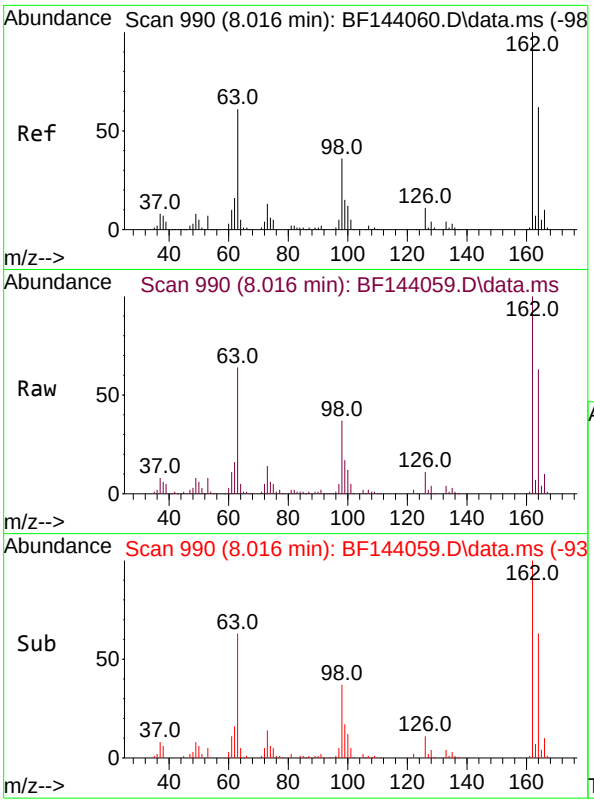


#28
bis(2-Chloroethoxy)methane
Concen: 20.729 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 93 Resp: 172327

Ion	Ratio	Lower	Upper
93	100		
95	31.3	24.6	36.8
123	10.8	9.1	13.7



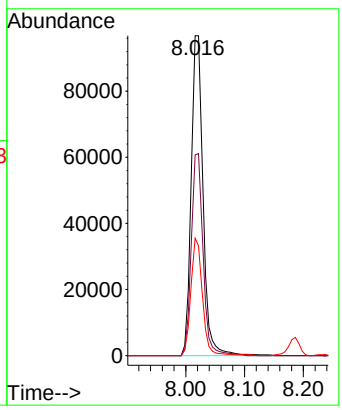


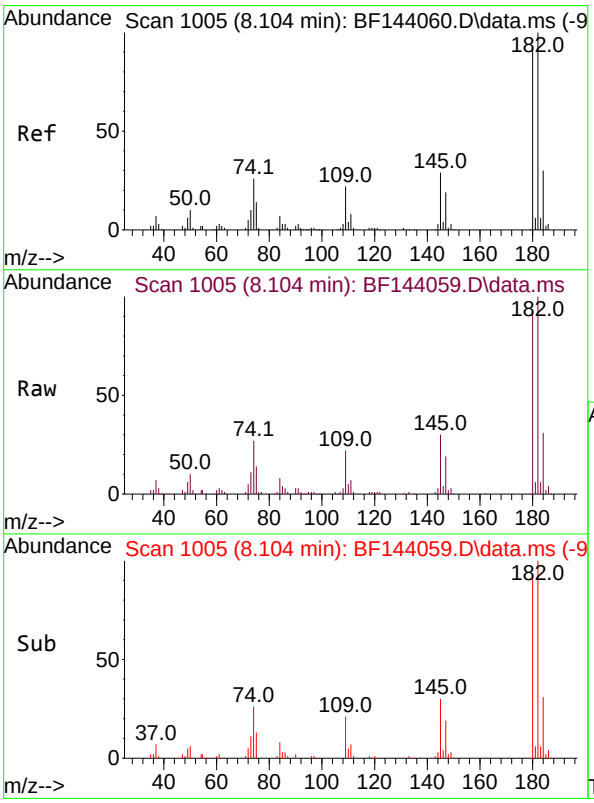
#29
2,4-Dichlorophenol
Concen: 20.487 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 135856

Ion	Ratio	Lower	Upper
162	100		
164	62.7	42.1	82.1
98	36.7	16.0	56.0

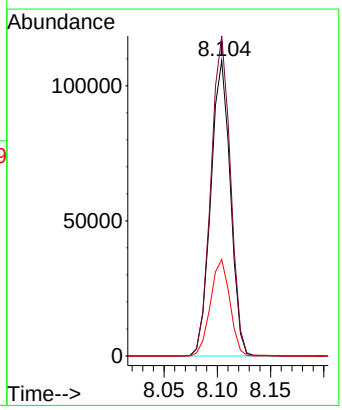


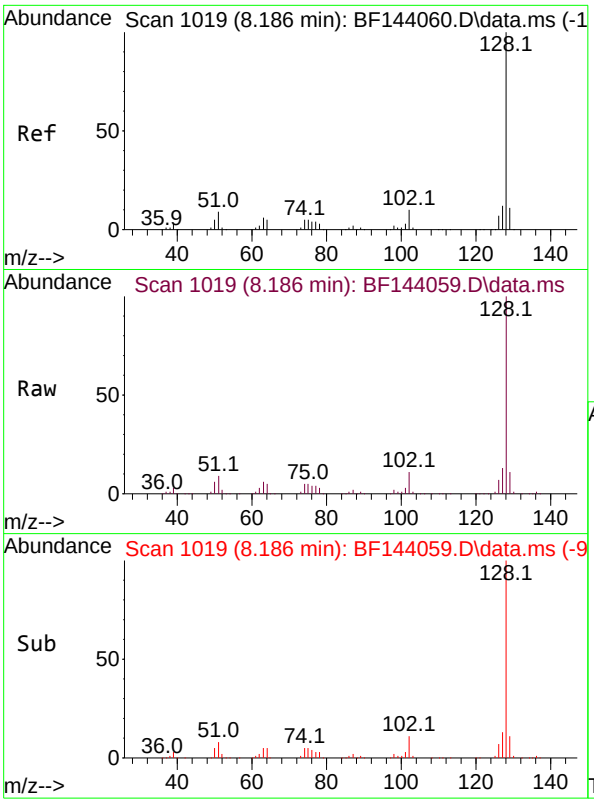


#30
1,2,4-Trichlorobenzene
Concen: 20.442 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:180 Resp: 139458

Ion	Ratio	Lower	Upper
180	100		
182	108.4	87.1	130.7
145	32.7	25.3	37.9



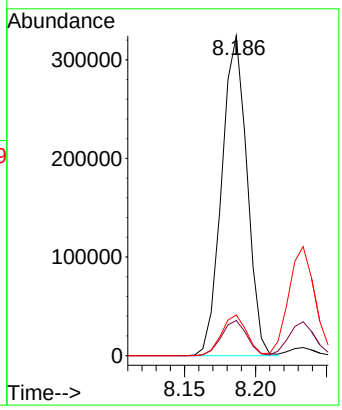


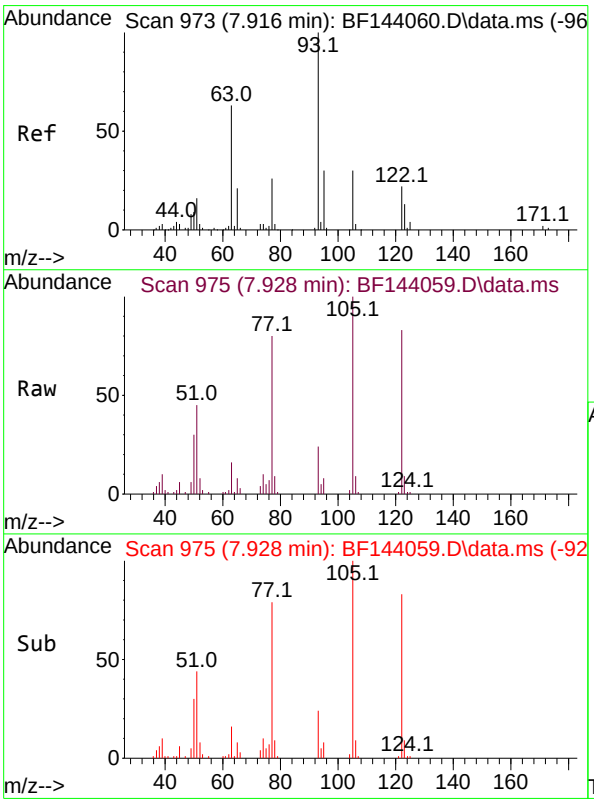
#31
Naphthalene
Concen: 20.378 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 401788

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	12.7	9.9	14.9

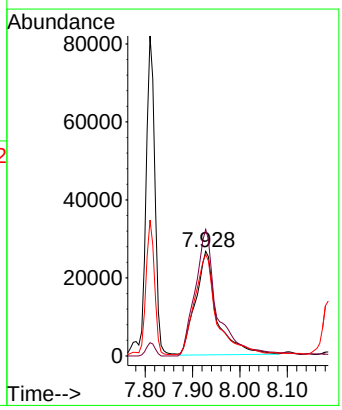


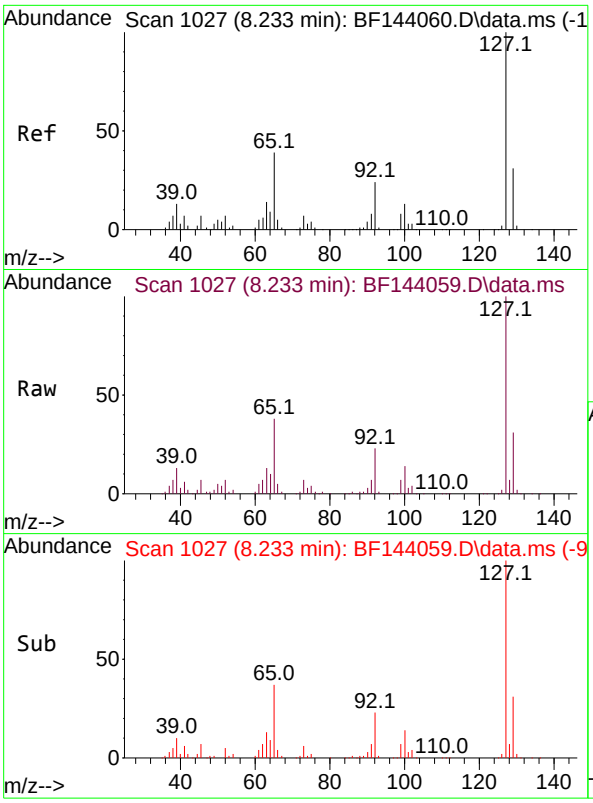


#32
Benzoic acid
Concen: 23.086 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.012 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:122 Resp: 83503

Ion	Ratio	Lower	Upper
122	100		
105	120.9	111.3	151.3
77	97.1	96.7	136.7



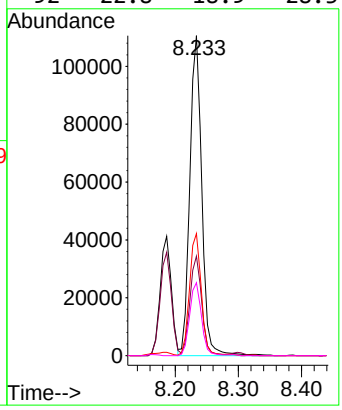


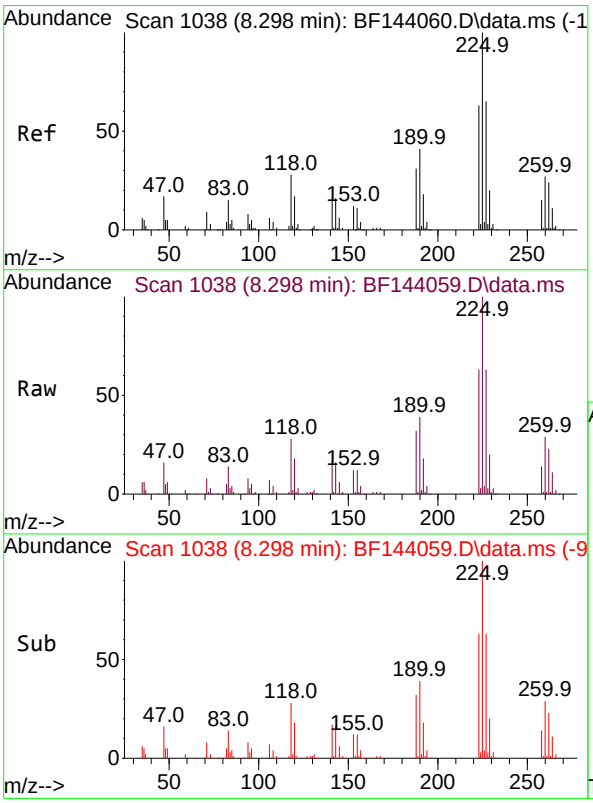
#33
4-Chloroaniline
Concen: 21.228 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 145706

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.6	38.4
65	38.1	30.9	46.3
92	22.8	18.9	28.3

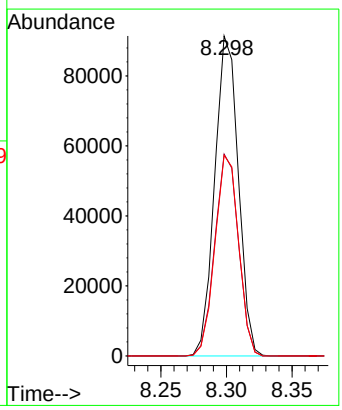


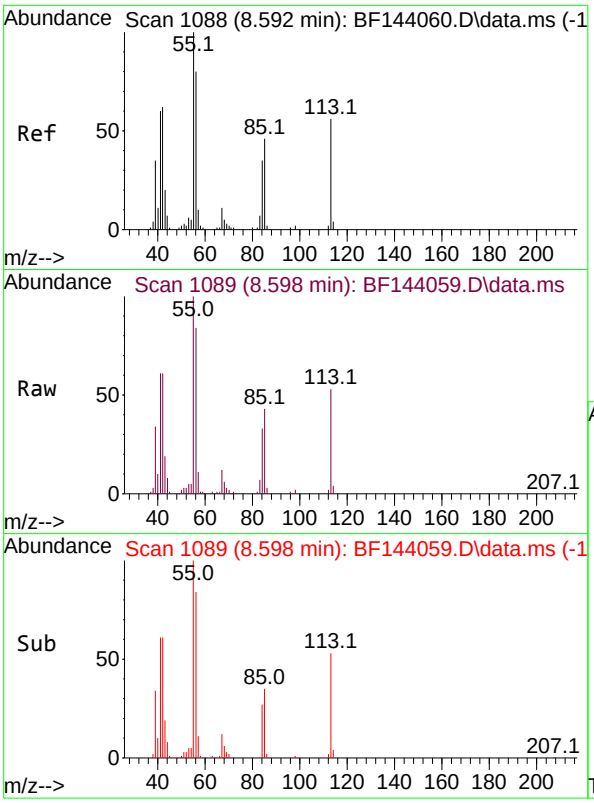


#34
Hexachlorobutadiene
Concen: 20.546 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:225 Resp: 114614

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	62.7	51.8	77.8



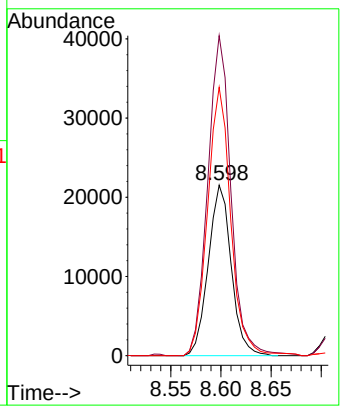


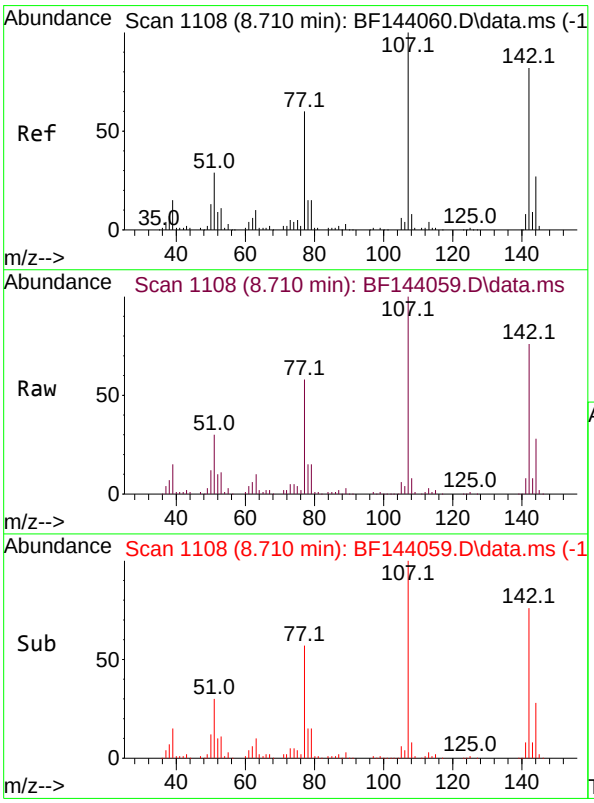
#35
Caprolactam
Concen: 20.591 ng
RT: 8.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 34241

Ion	Ratio	Lower	Upper
113	100		
55	187.8	160.1	200.1
56	157.4	124.9	164.9

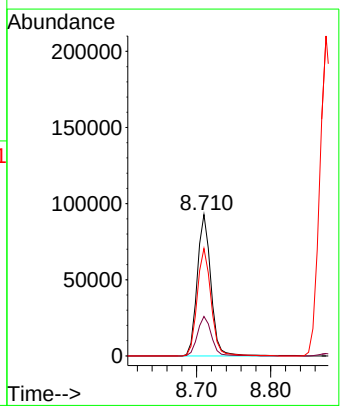


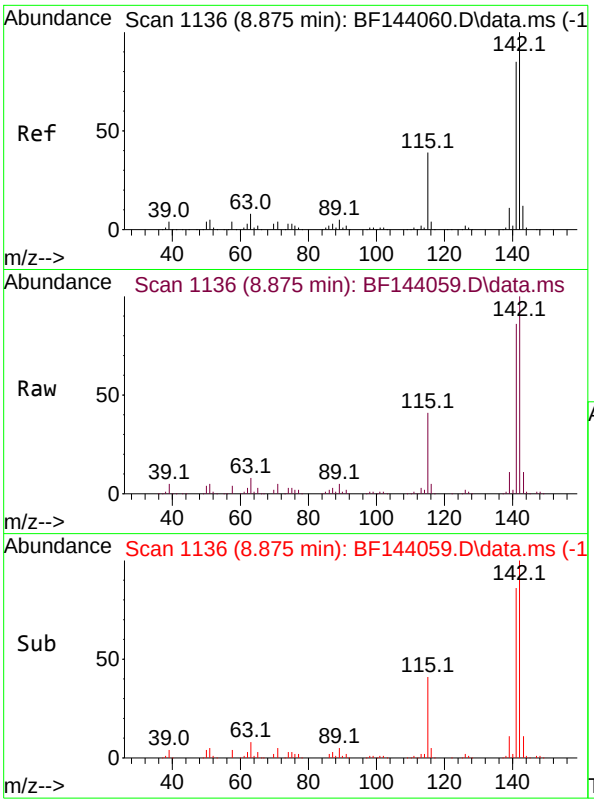


#36
4-Chloro-3-methylphenol
Concen: 20.357 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:107 Resp: 119127

Ion	Ratio	Lower	Upper
107	100		
144	28.0	21.6	32.4
142	76.0	65.4	98.0



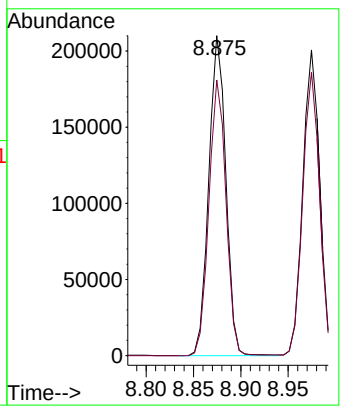


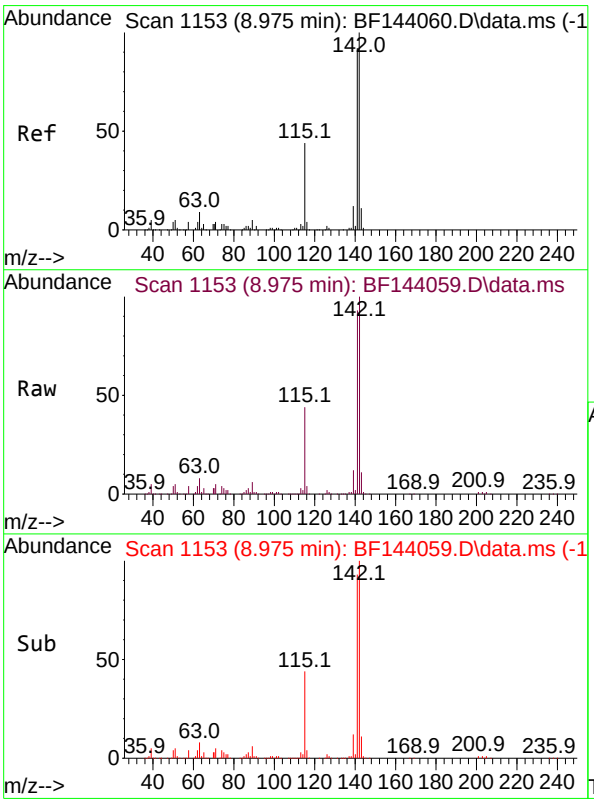
#37
2-Methylnaphthalene
Concen: 20.280 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 263628

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.6	101.4

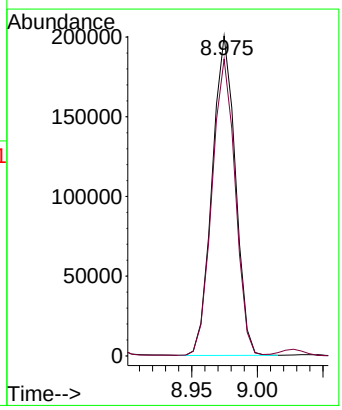


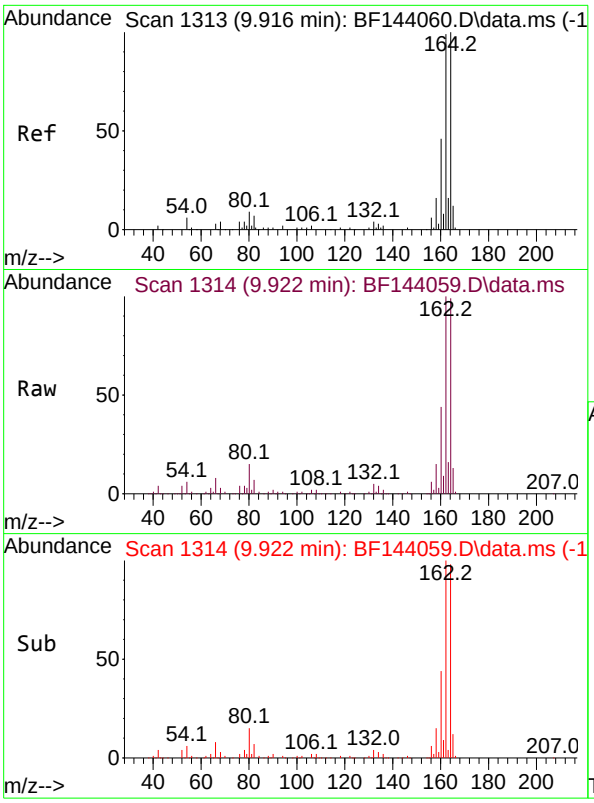


#38
1-Methylnaphthalene
Concen: 20.035 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:142 Resp: 246748

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.4	110.2



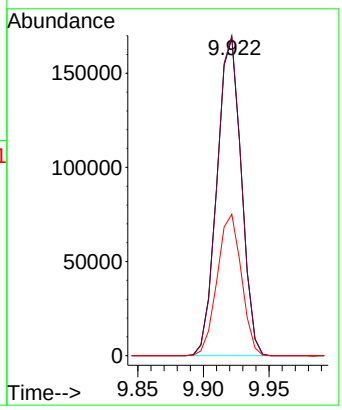


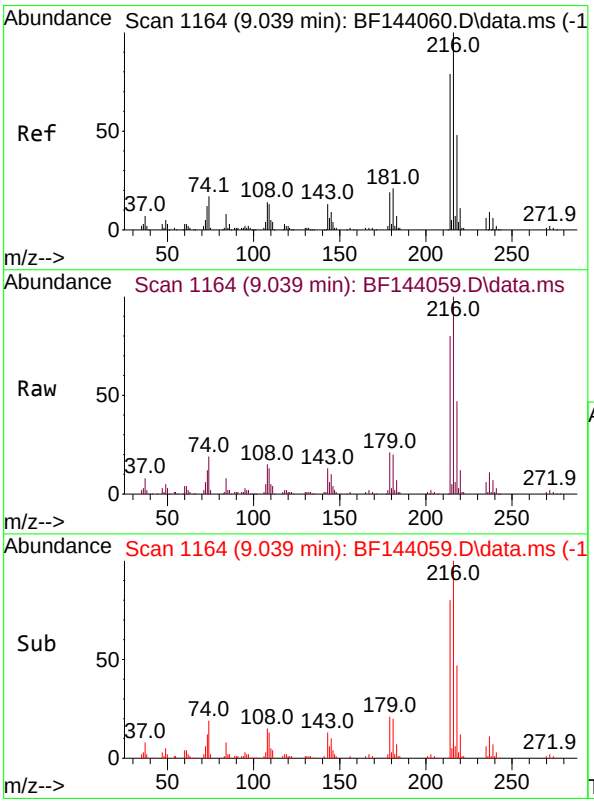
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 217706

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.2
160	44.6	36.7	55.1

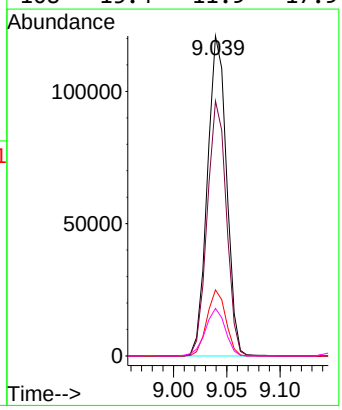


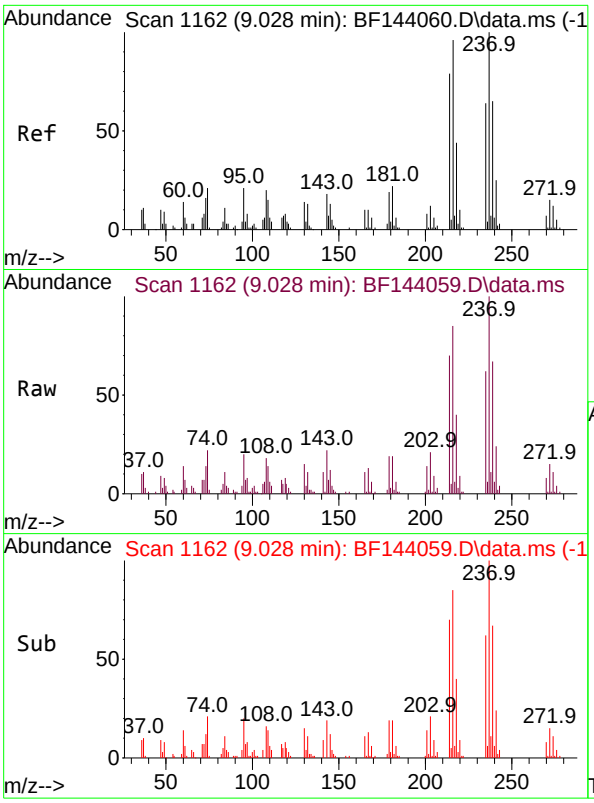


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.160 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:216 Resp: 150836

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.2	94.8
179	20.2	15.2	22.8
108	15.4	11.9	17.9



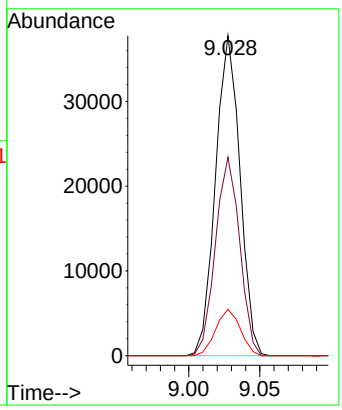


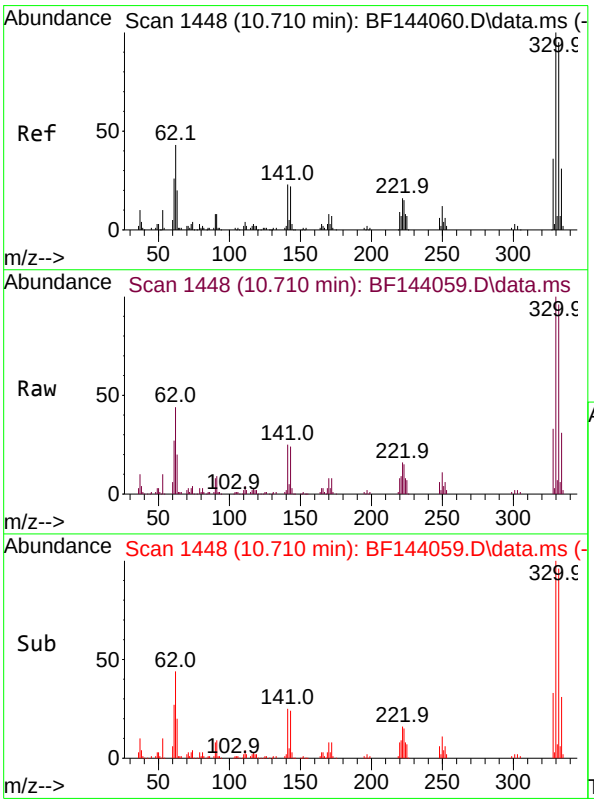
#41
Hexachlorocyclopentadiene
Concen: 19.591 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 45275

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.3	84.3
272	14.5	0.0	35.2

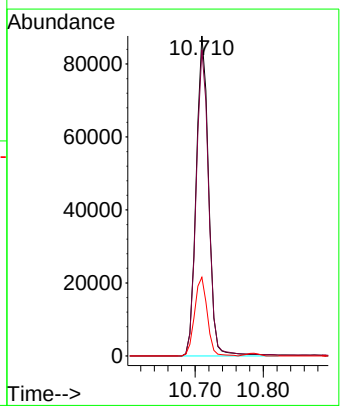


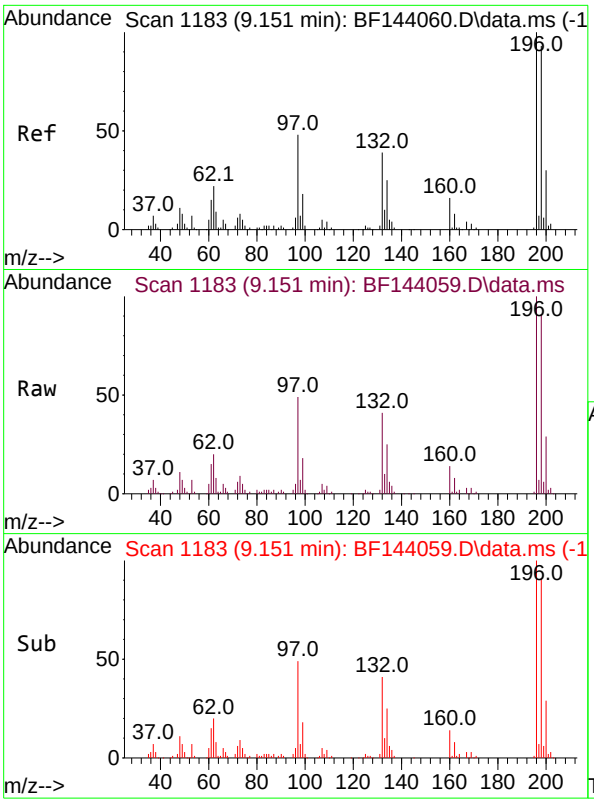


#42
2,4,6-Tribromophenol
Concen: 40.132 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:330 Resp: 111292

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	24.9	19.4	29.0



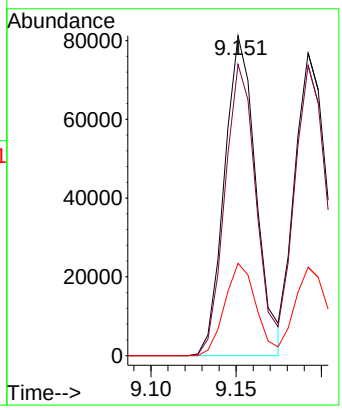


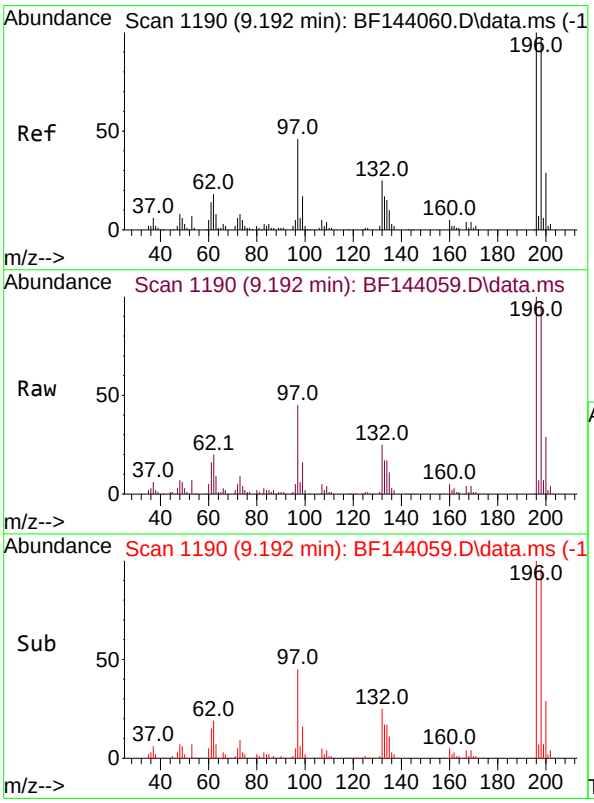
#43
2,4,6-Trichlorophenol
Concen: 21.484 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 104484

Ion	Ratio	Lower	Upper
196	100		
198	91.0	74.4	111.6
200	28.8	23.8	35.8

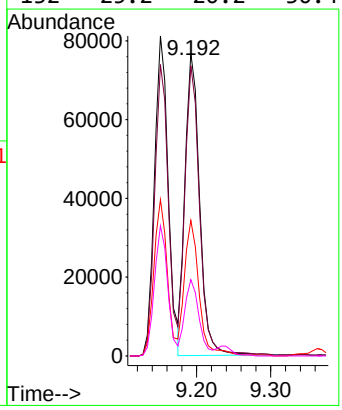


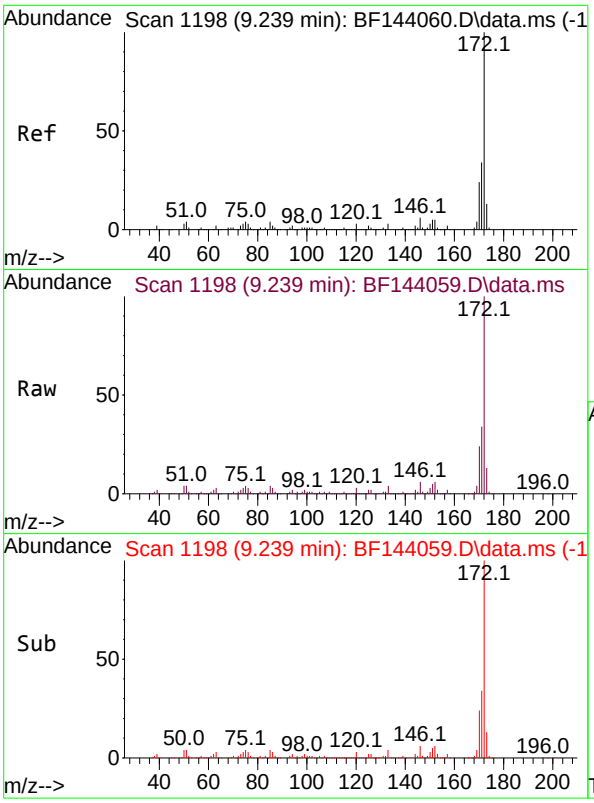


#44
2,4,5-Trichlorophenol
Concen: 20.655 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:196 Resp: 105424

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.0	117.0
97	44.7	37.7	56.5
132	25.2	20.2	30.4



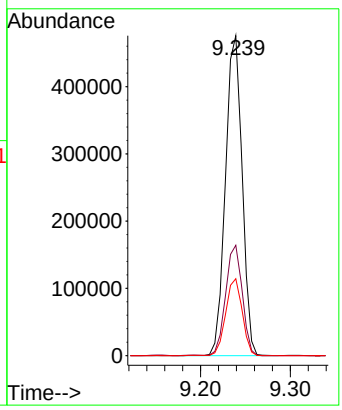


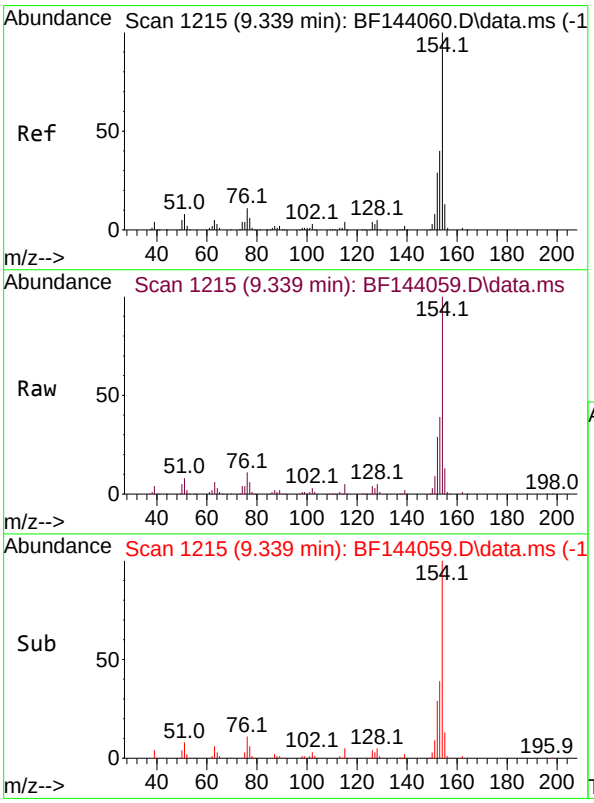
#45
2-Fluorobiphenyl
Concen: 39.724 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 614559

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.5	41.3
170	24.0	19.0	28.6

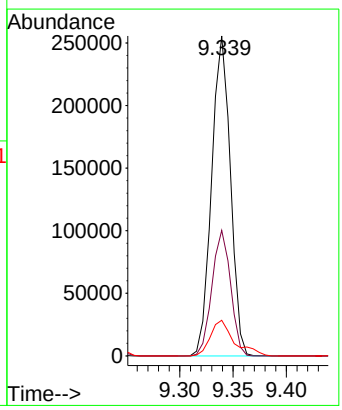


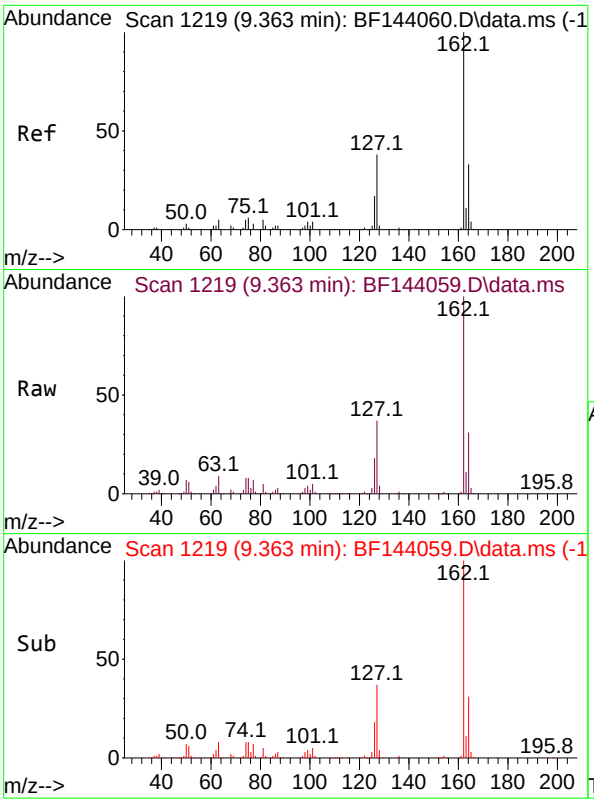


#46
1,1'-Biphenyl
Concen: 20.128 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:154 Resp: 313680

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.7	59.7
76	11.1	0.0	31.1



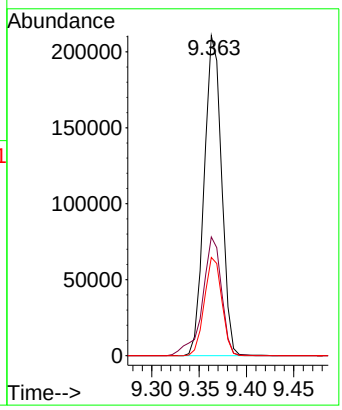


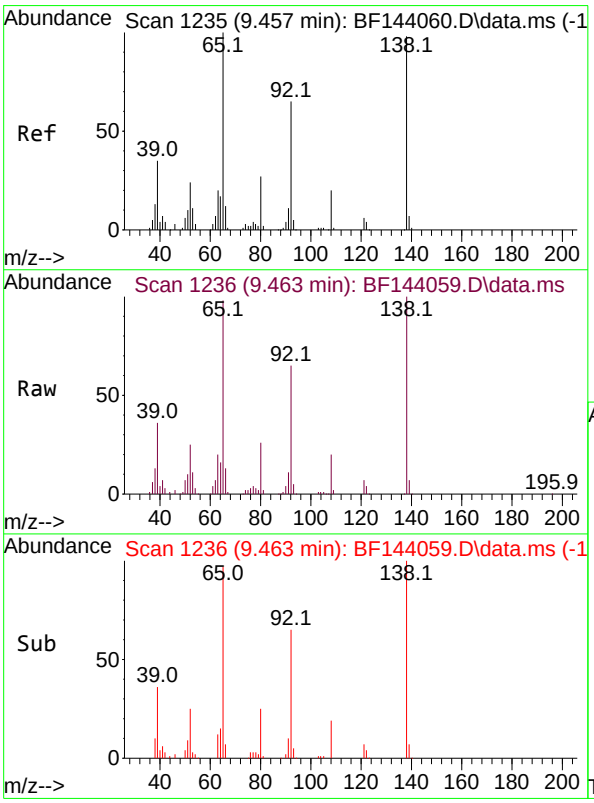
#47
2-Chloronaphthalene
Concen: 20.561 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 268452

Ion	Ratio	Lower	Upper
162	100		
127	37.1	31.6	47.4
164	30.7	26.5	39.7

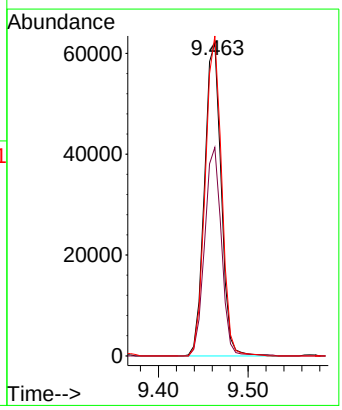


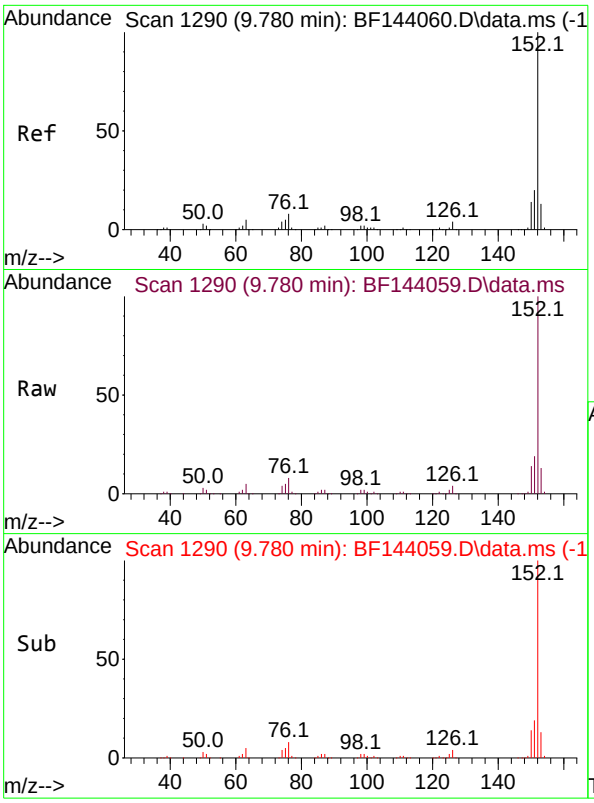


#48
2-Nitroaniline
Concen: 20.678 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 65 Resp: 80171

Ion	Ratio	Lower	Upper
65	100		
92	66.6	52.3	78.5
138	102.3	78.3	117.5



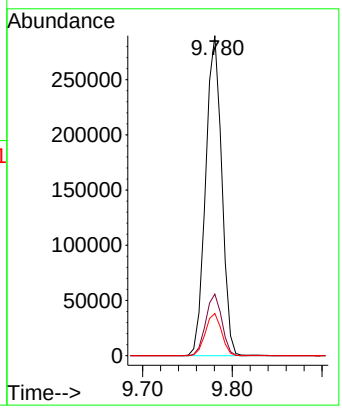


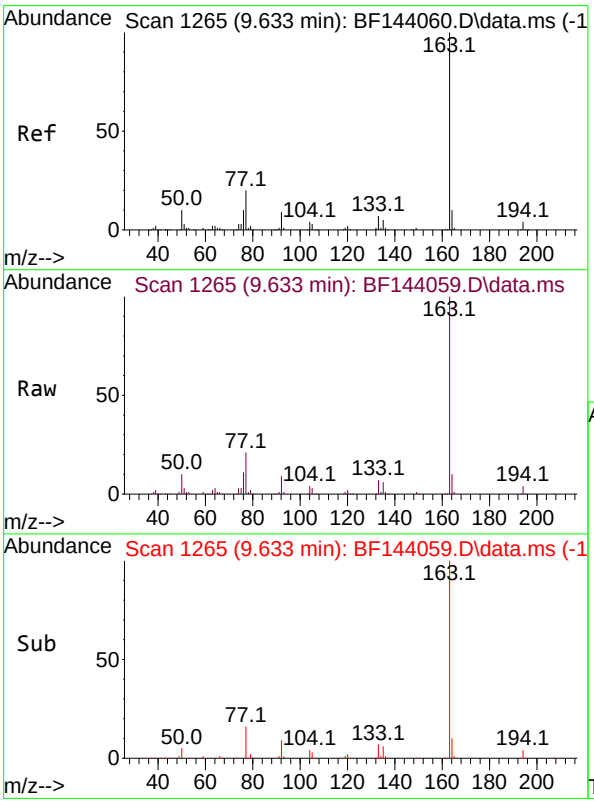
#49
Acenaphthylene
Concen: 20.575 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 362218

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	13.2	10.4	15.6

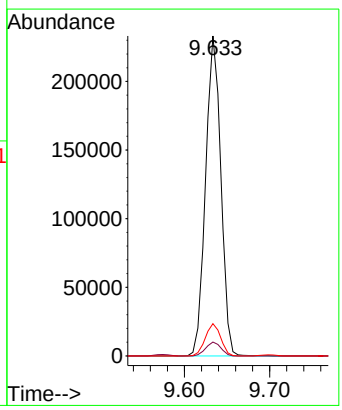


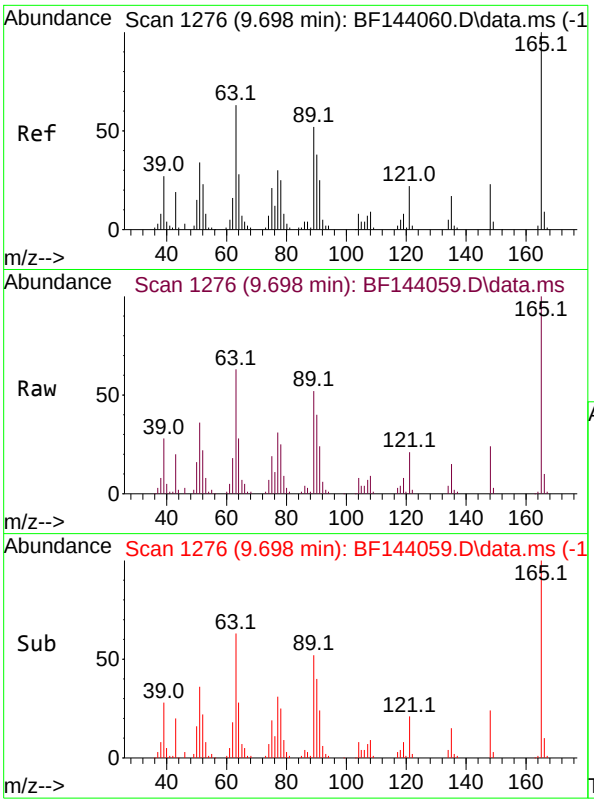


#50
Dimethylphthalate
Concen: 20.324 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:163 Resp: 290025

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	7.8	11.8



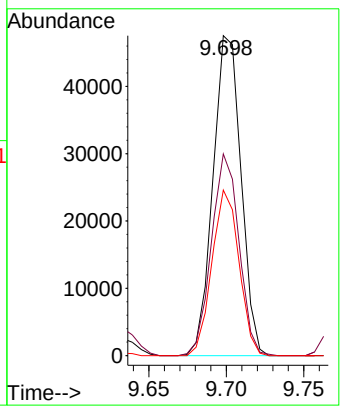


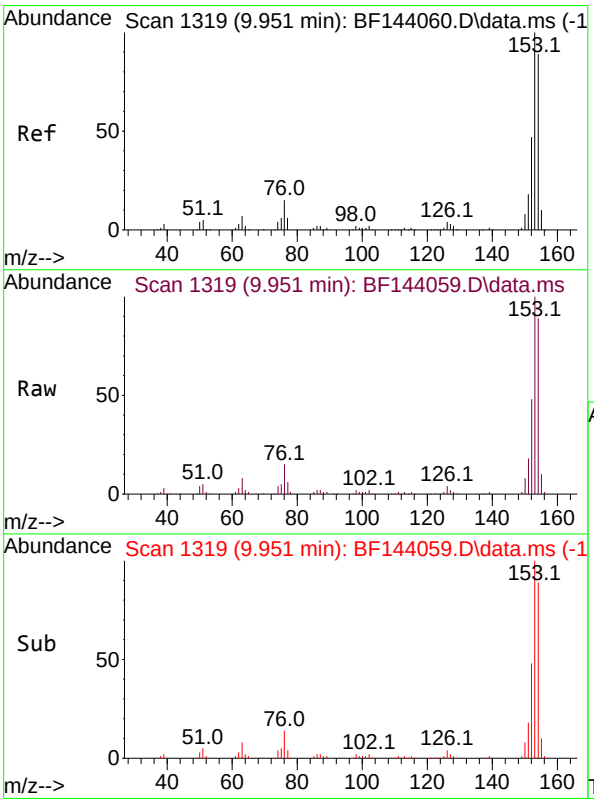
#51
2,6-Dinitrotoluene
Concen: 21.235 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 59905

Ion	Ratio	Lower	Upper
165	100		
63	63.0	50.4	75.6
89	51.7	41.4	62.2

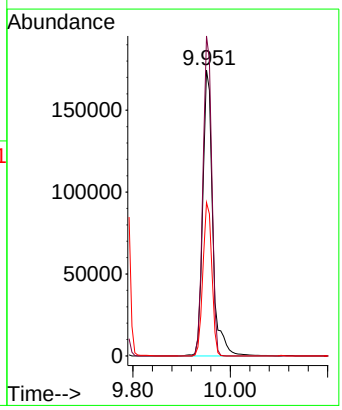


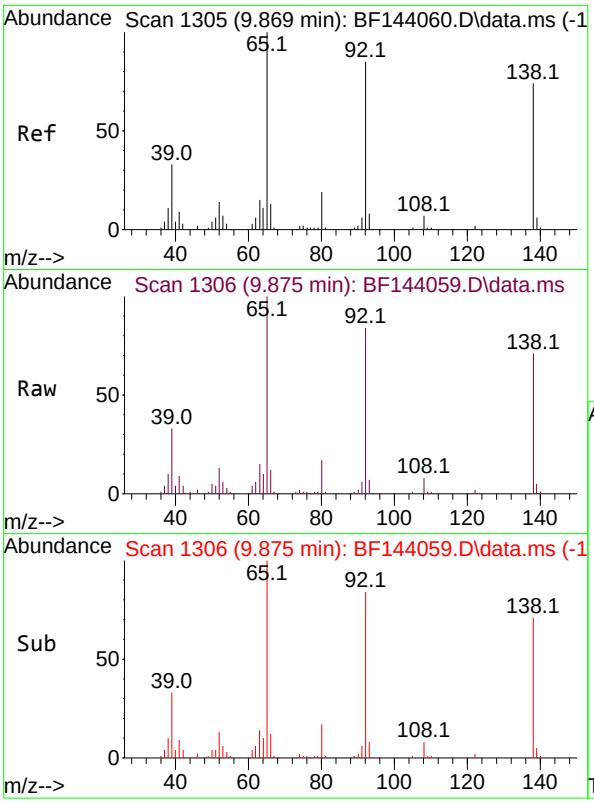


#52
Acenaphthene
Concen: 21.003 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:154 Resp: 246935

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	53.7	42.0	63.0



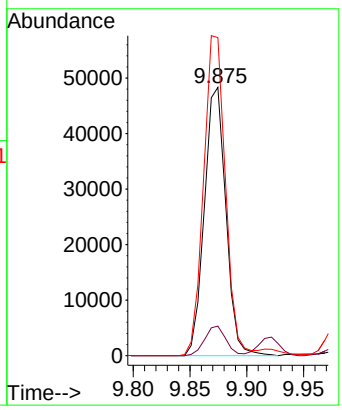


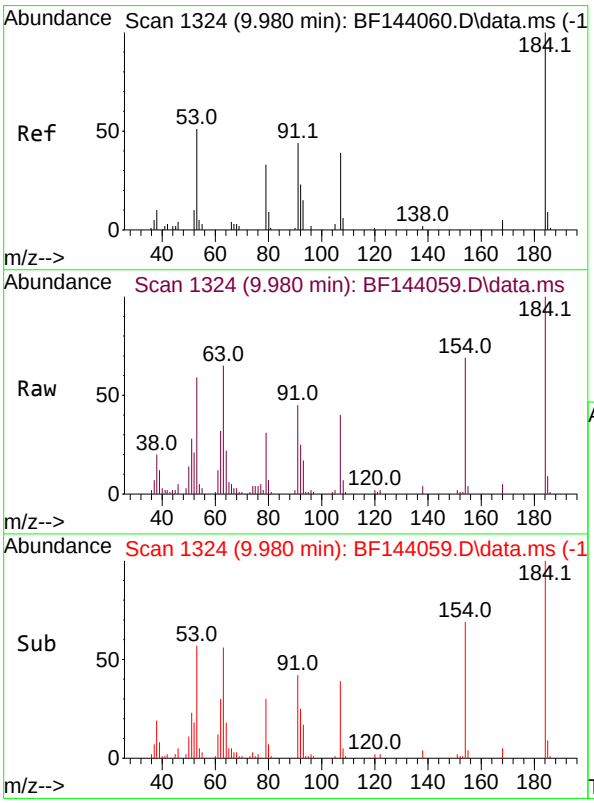
#53
3-Nitroaniline
Concen: 20.358 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 63852

Ion	Ratio	Lower	Upper
138	100		
108	11.0	7.9	11.9
92	118.5	92.0	138.0

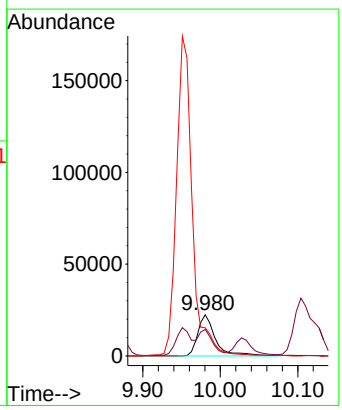


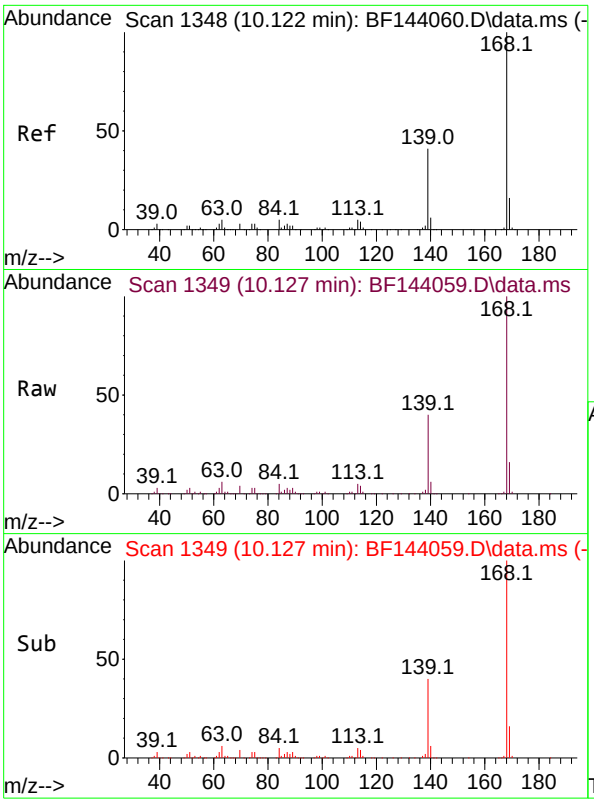


#54
2,4-Dinitrophenol
Concen: 23.089 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:184 Resp: 35229

Ion	Ratio	Lower	Upper
184	100		
63	64.6	52.1	78.1
154	68.6	47.9	71.9



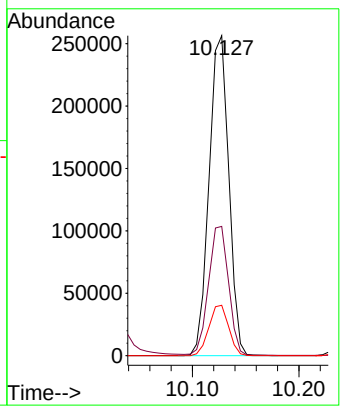


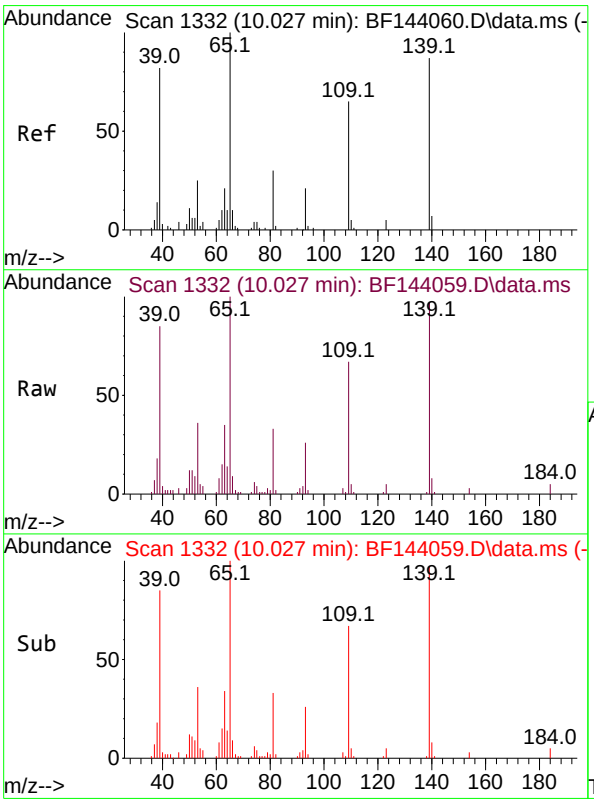
#55
Dibenzofuran
Concen: 20.162 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 329079

Ion	Ratio	Lower	Upper
168	100		
139	40.4	33.2	49.8
169	15.7	12.6	19.0

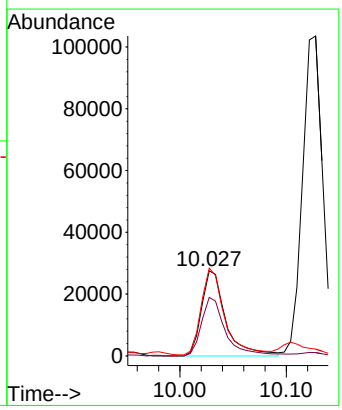


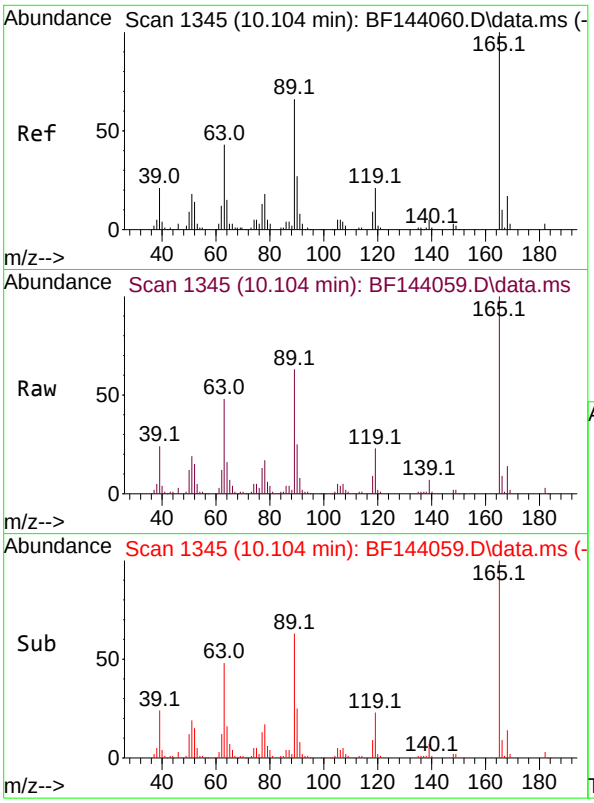


#56
4-Nitrophenol
Concen: 20.402 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:139 Resp: 43333

Ion	Ratio	Lower	Upper
139	100		
109	68.6	53.8	93.8
65	103.2	95.9	135.9



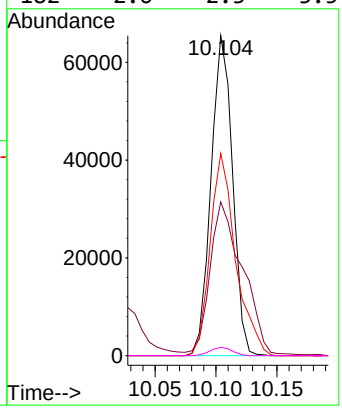


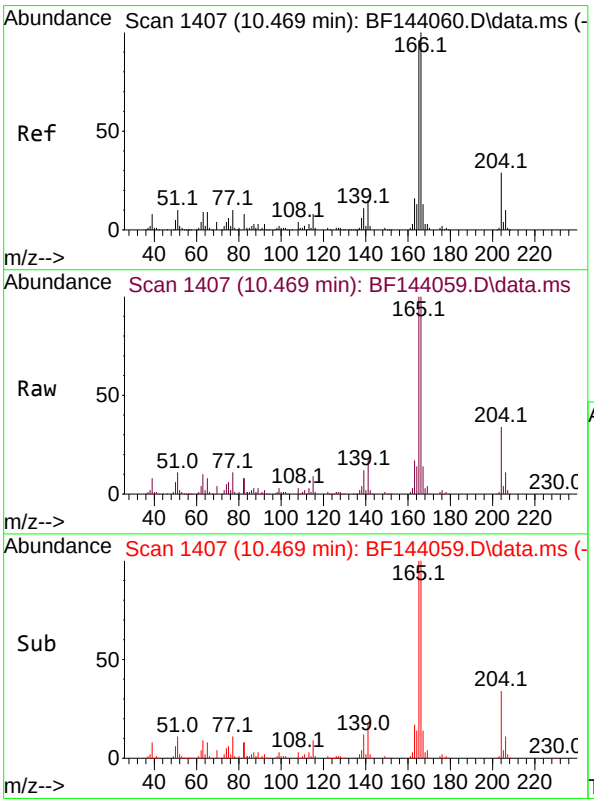
#57
2,4-Dinitrotoluene
Concen: 21.160 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 80566

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

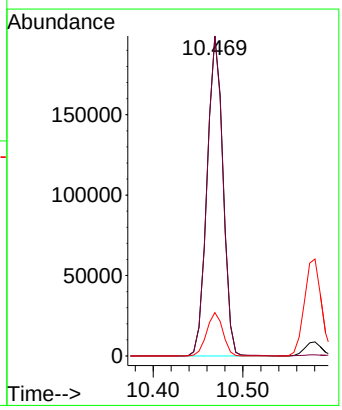


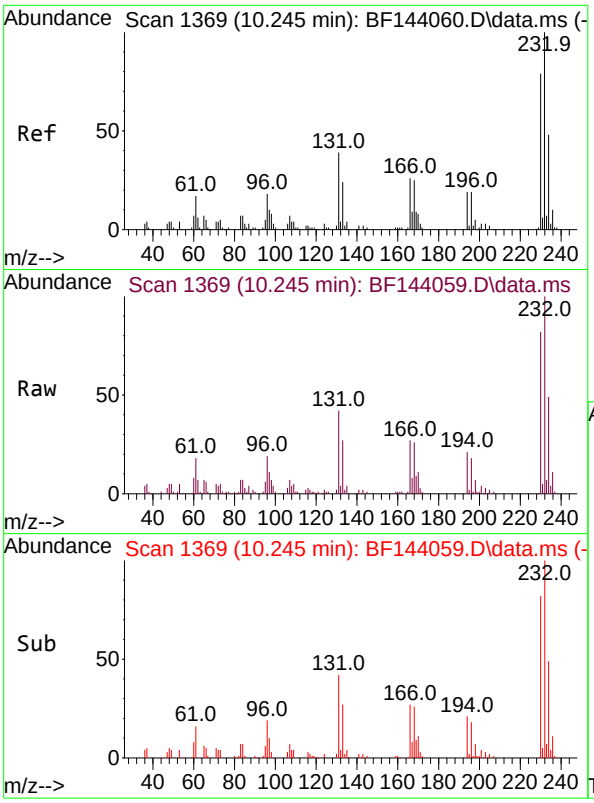


#58
Fluorene
Concen: 19.841 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:166 Resp: 246753

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.0	115.4
167	13.5	10.2	15.4



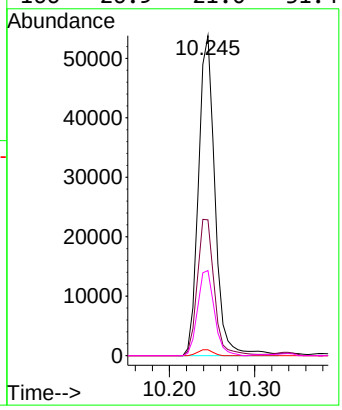


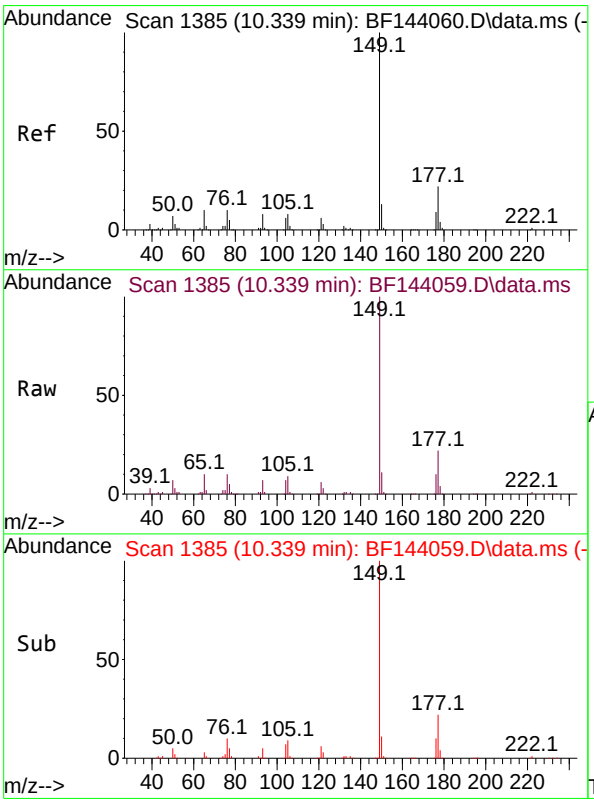
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.172 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 72554

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

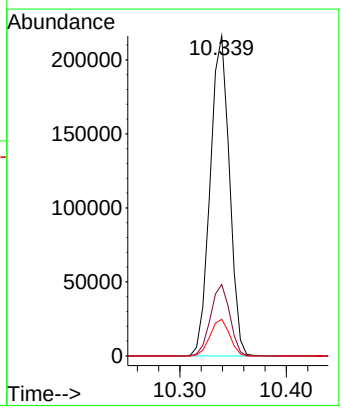


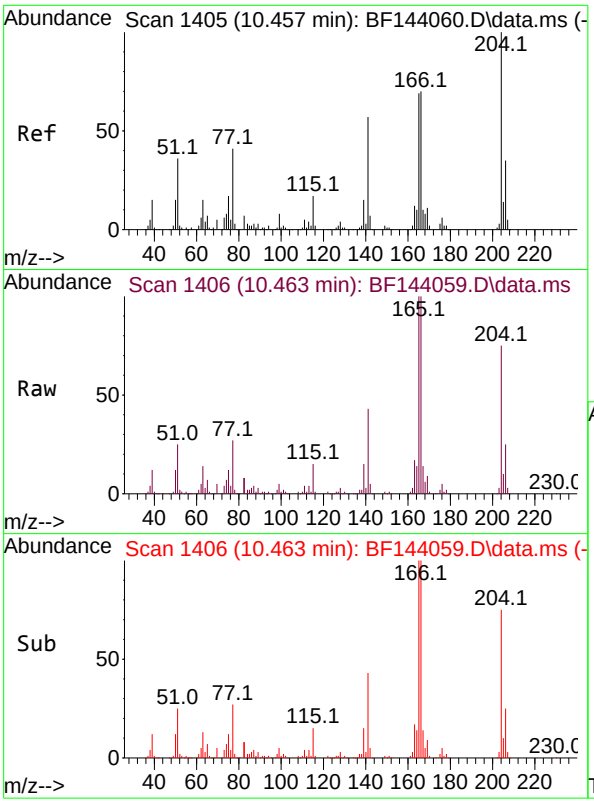


#60
Diethylphthalate
Concen: 20.184 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 270864

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	11.4	10.1	15.1



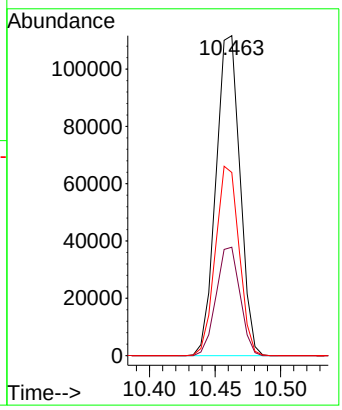


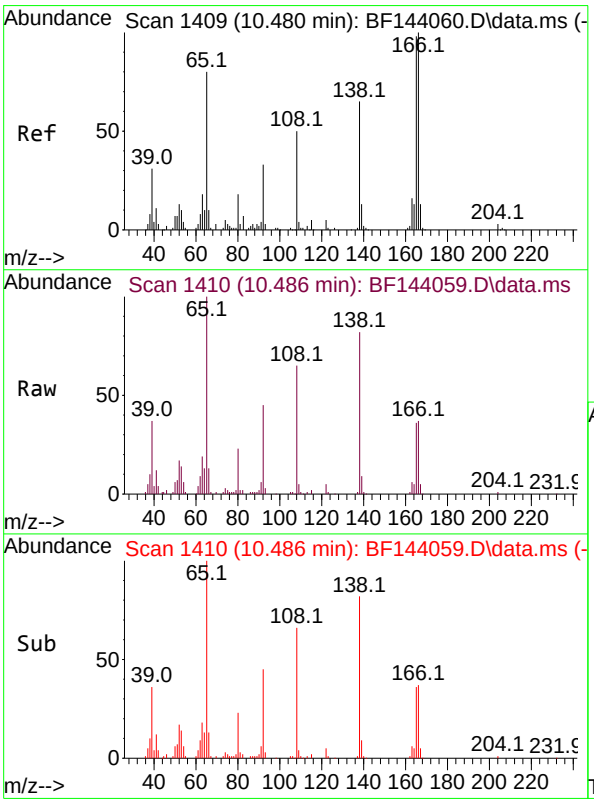
#61
4-Chlorophenyl-phenylether
Concen: 20.406 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 142719

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.8	41.6
141	57.2	45.4	68.2

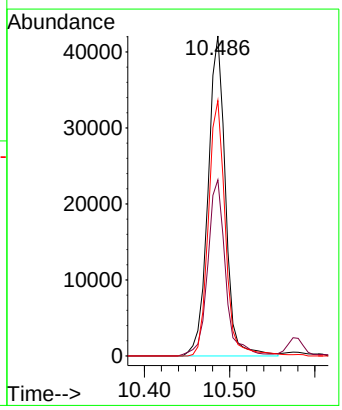


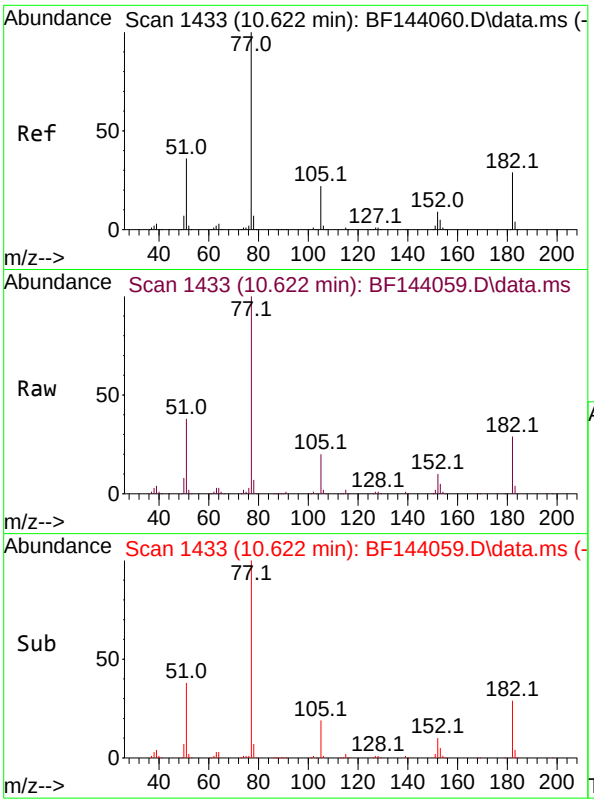


#62
4-Nitroaniline
Concen: 20.157 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:138 Resp: 59903

Ion	Ratio	Lower	Upper
138	100		
92	55.0	30.5	70.5
108	79.8	56.2	96.2



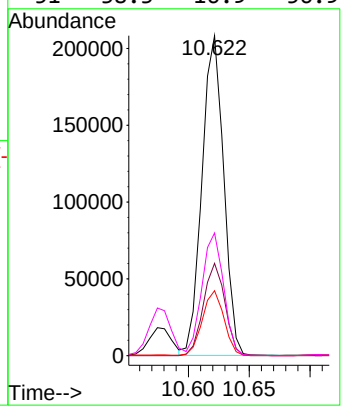


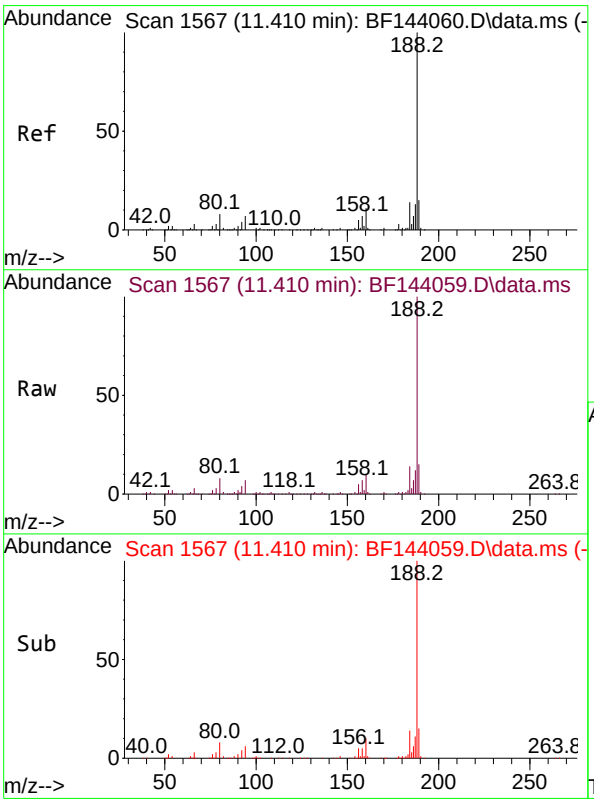
#63
Azobenzene
Concen: 20.346 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 258435

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

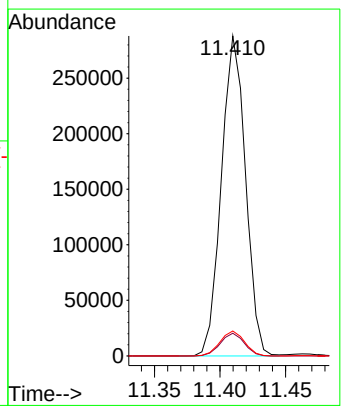


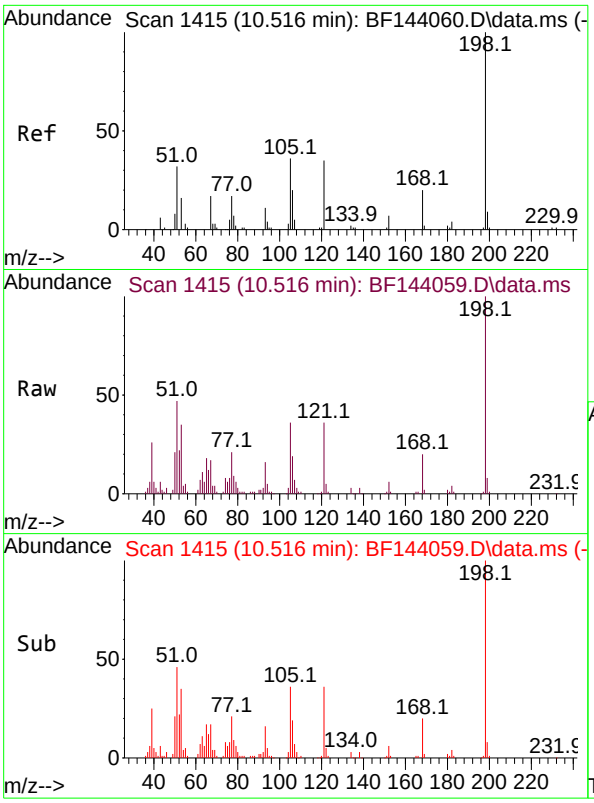


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:188 Resp: 369584

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.4	8.0
80	7.8	6.0	9.0



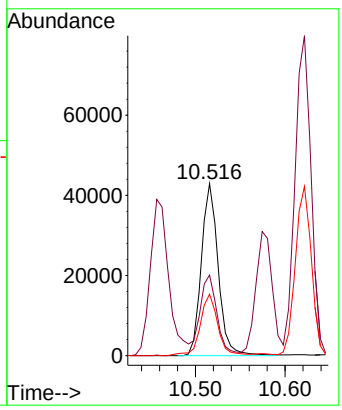


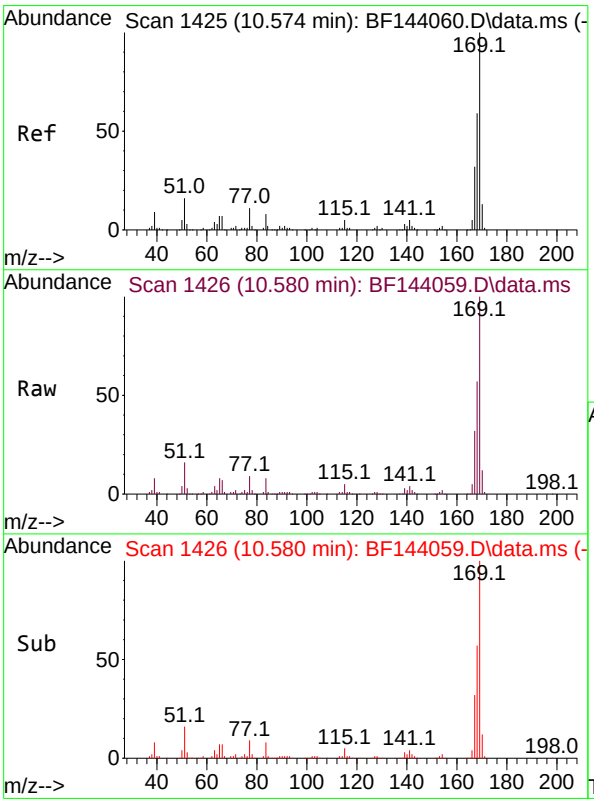
#65
4,6-Dinitro-2-methylphenol
Concen: 23.553 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 55850

Ion	Ratio	Lower	Upper
198	100		
51	46.8	25.8	65.8
105	35.7	17.2	57.2

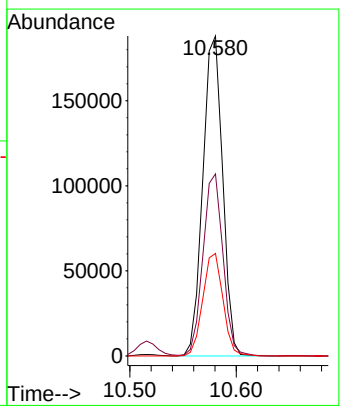


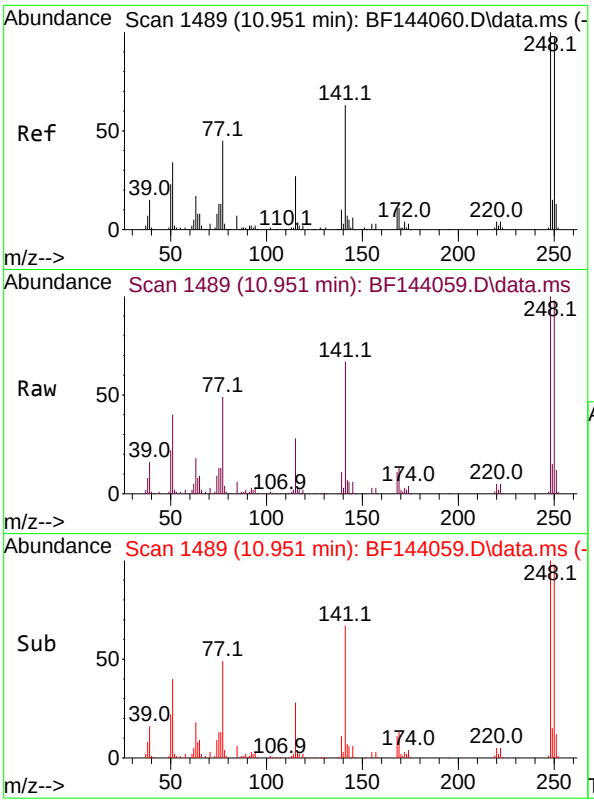


#66
n-Nitrosodiphenylamine
Concen: 20.563 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:169 Resp: 242811

Ion	Ratio	Lower	Upper
169	100		
168	56.9	47.4	71.2
167	32.0	25.5	38.3



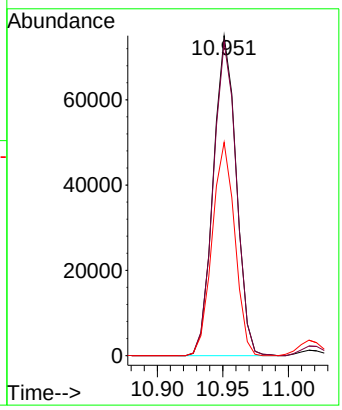


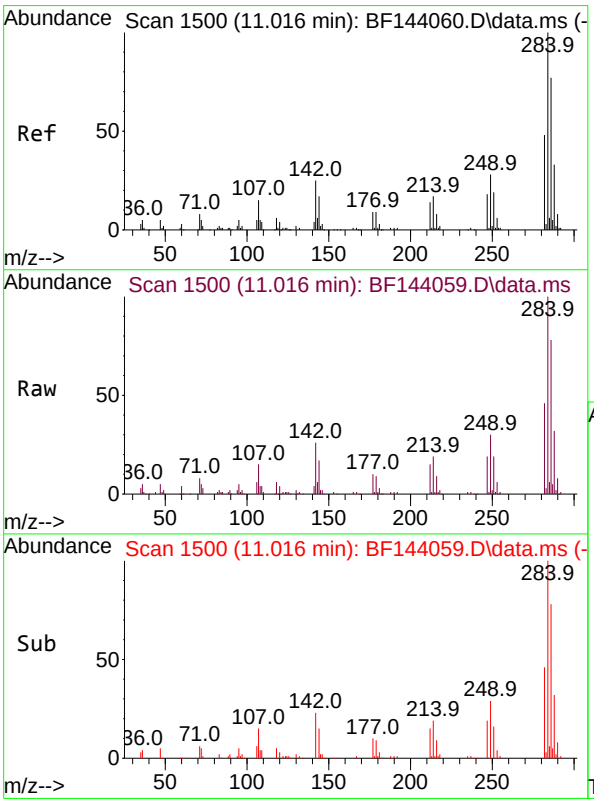
#67
4-Bromophenyl-phenylether
Concen: 19.753 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 91405

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.8	116.6
141	66.6	50.5	75.7

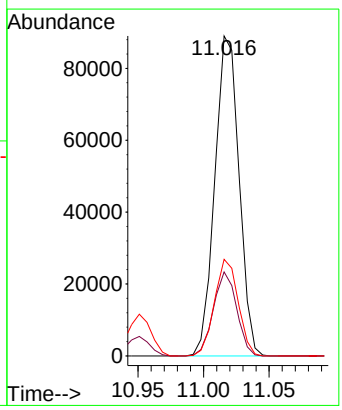


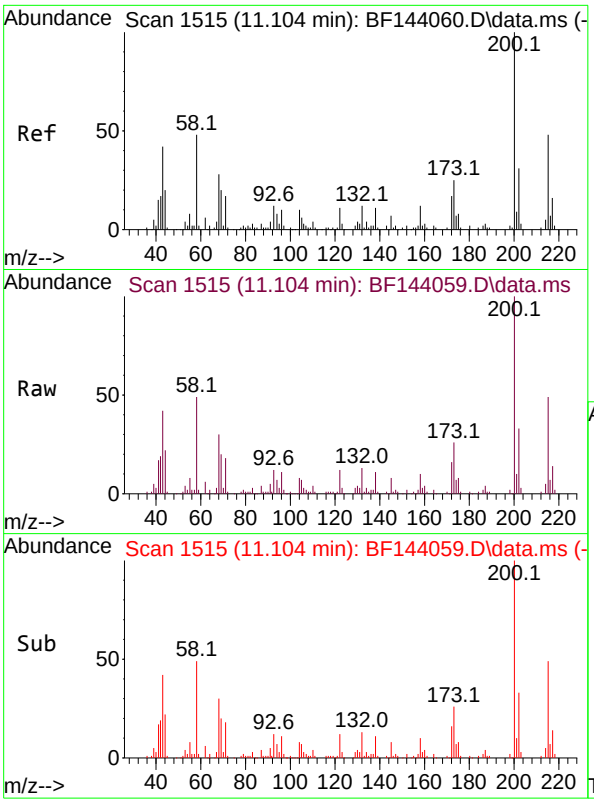


#68
Hexachlorobenzene
Concen: 20.141 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:284 Resp: 114304

Ion	Ratio	Lower	Upper
284	100		
142	26.3	20.0	30.0
249	30.2	22.2	33.2



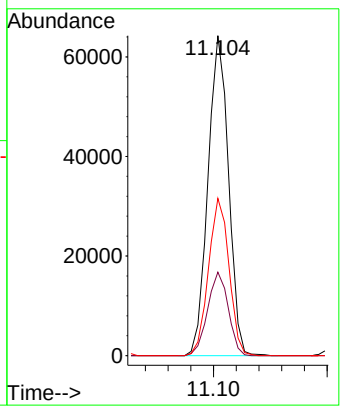


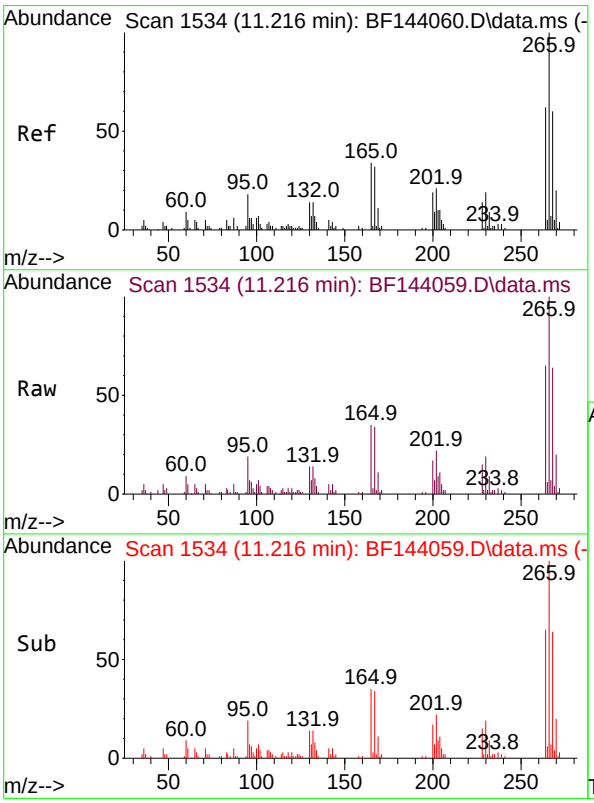
#69
Atrazine
Concen: 20.818 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 80666

Ion	Ratio	Lower	Upper
200	100		
173	26.1	4.9	44.9
215	49.1	28.2	68.2

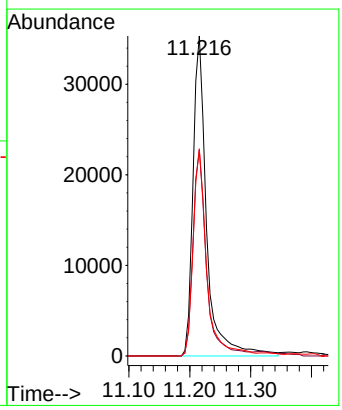


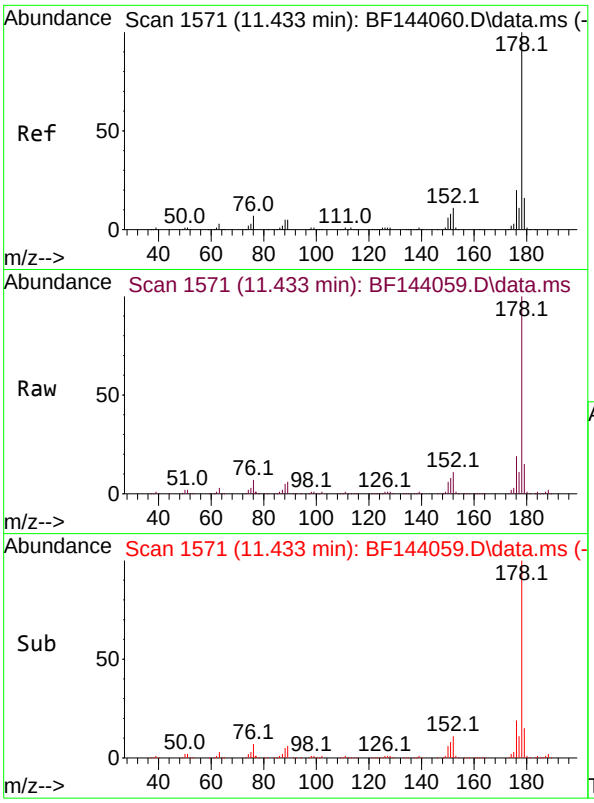


#70
Pentachlorophenol
Concen: 20.449 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:266 Resp: 55240

Ion	Ratio	Lower	Upper
266	100		
268	64.3	48.2	72.4
264	64.7	49.4	74.0



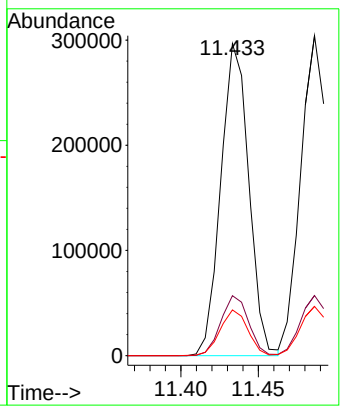


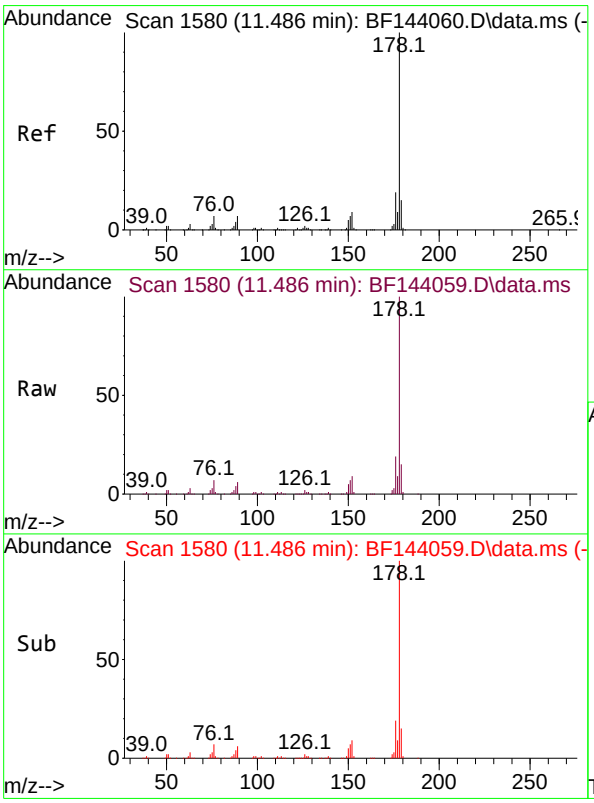
#71
Phenanthrene
Concen: 20.315 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 372967

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	14.6	12.6	18.8

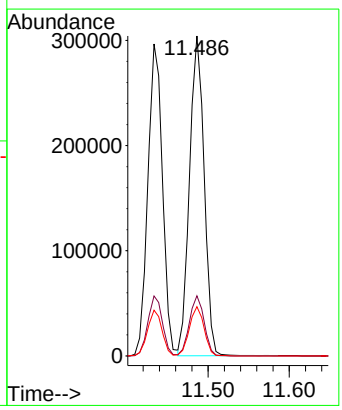


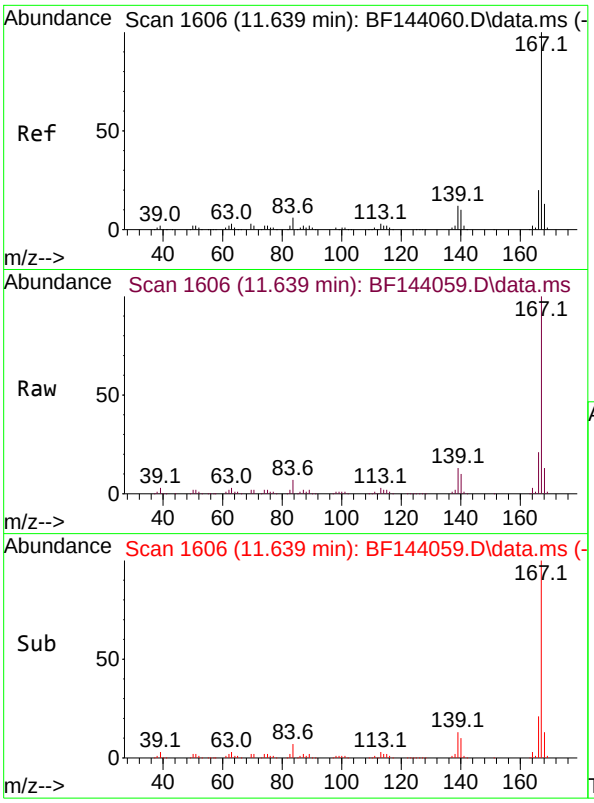


#72
Anthracene
Concen: 20.060 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:178 Resp: 380455

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	11.8	17.6



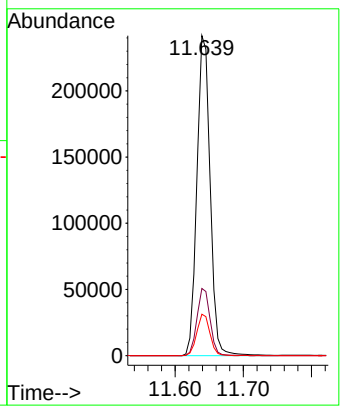


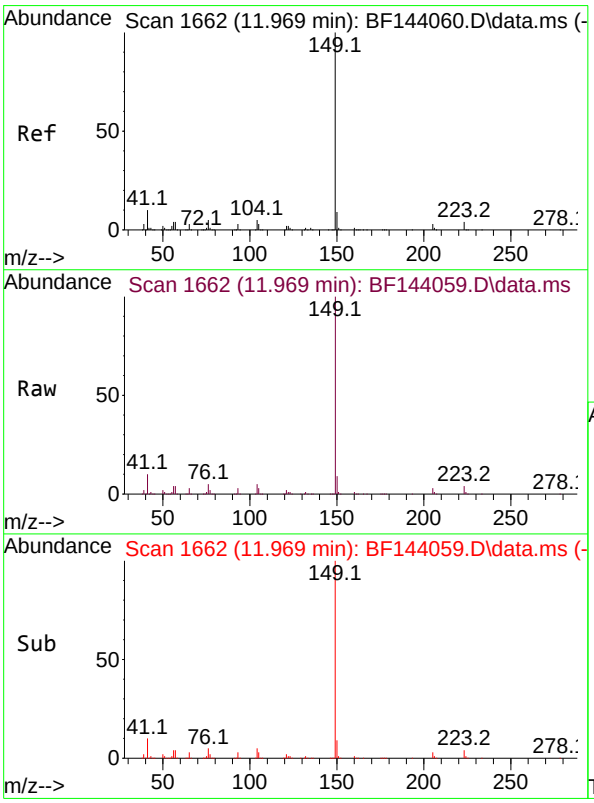
#73
Carbazole
Concen: 20.225 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 326491

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.1	24.1
139	12.9	9.8	14.6

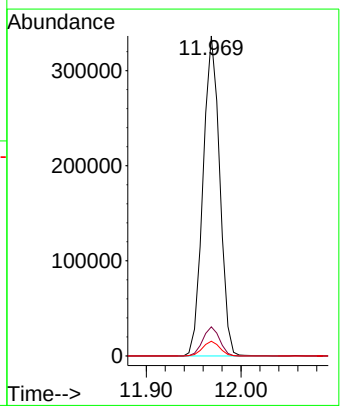


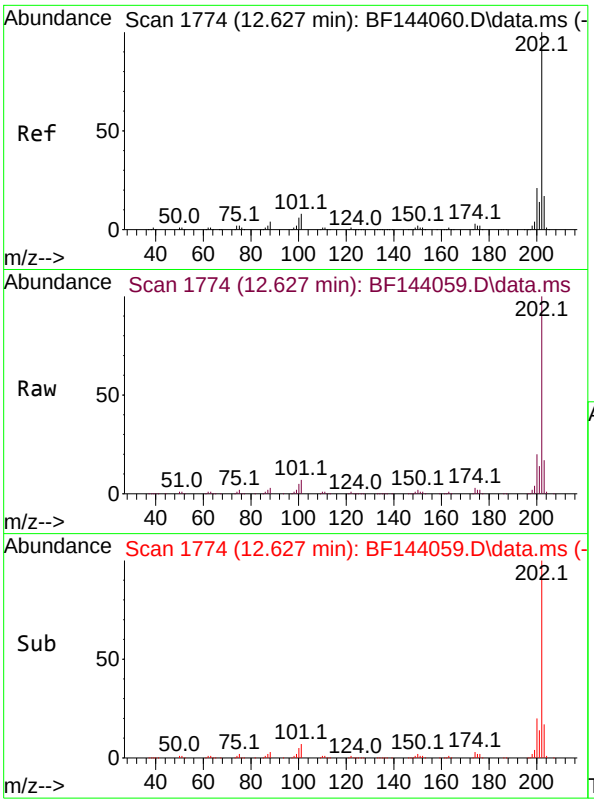


#74
Di-n-butylphthalate
Concen: 20.841 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 412471

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.6	3.6	5.4



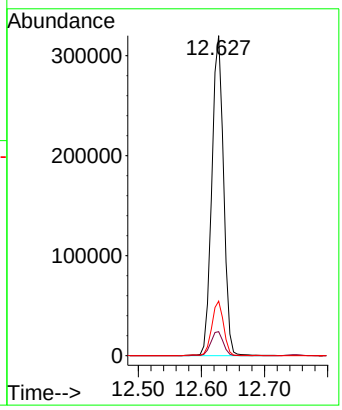


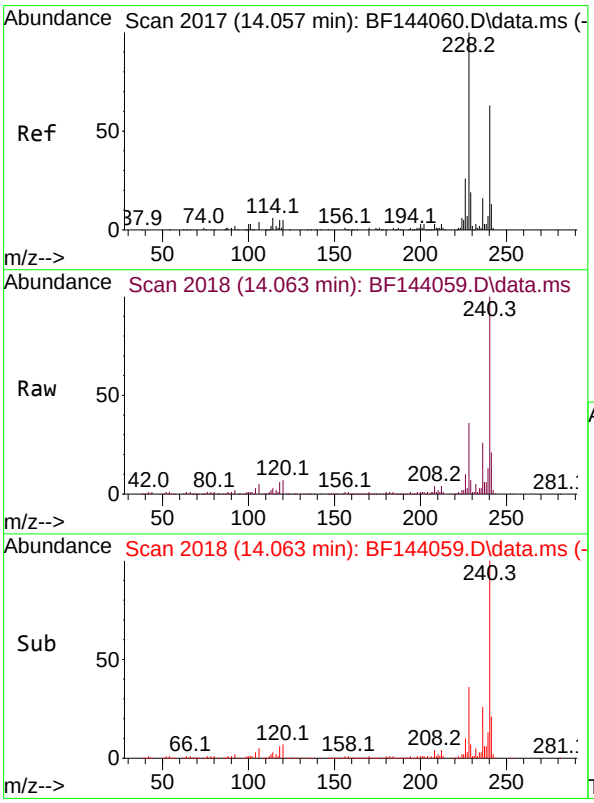
#75
Fluoranthene
Concen: 20.430 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 414382

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

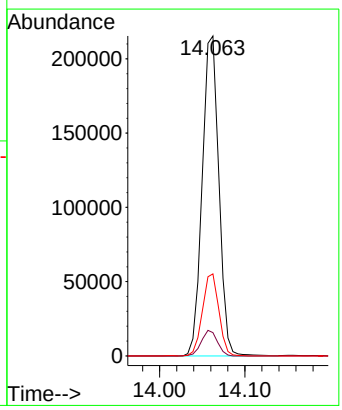


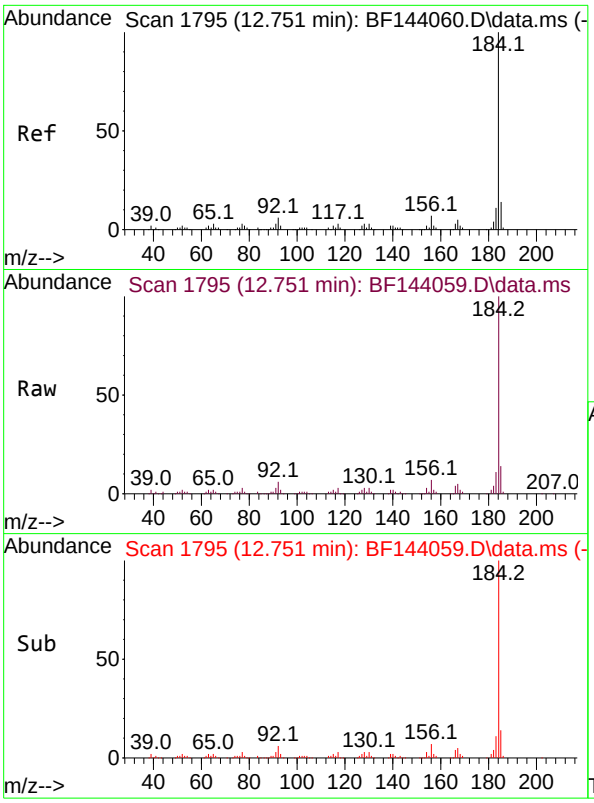


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:240 Resp: 292368

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



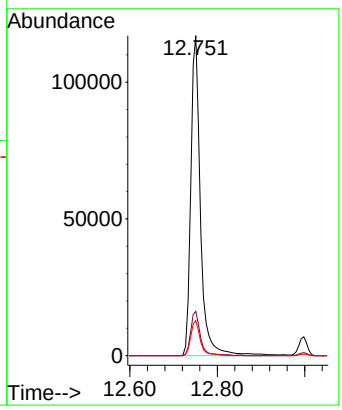


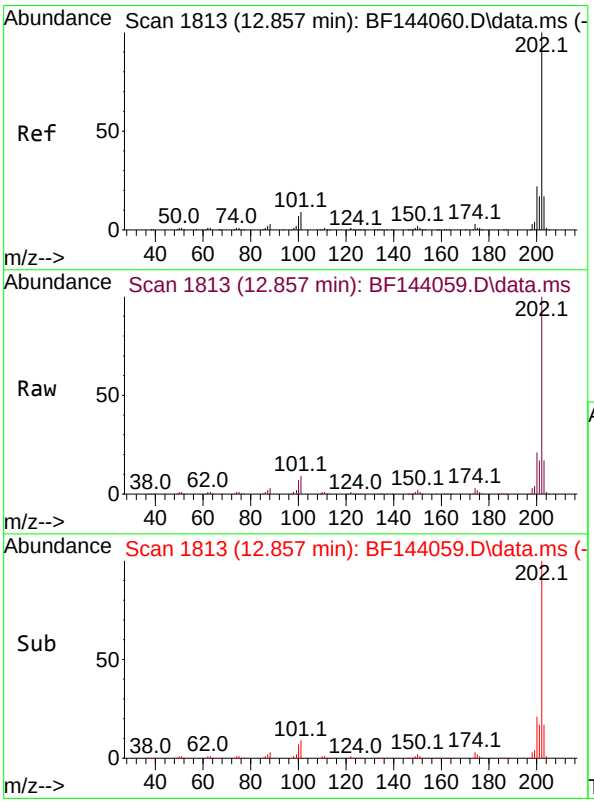
#77
Benzidine
Concen: 19.736 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 179581

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.6	17.4
183	10.9	8.5	12.7

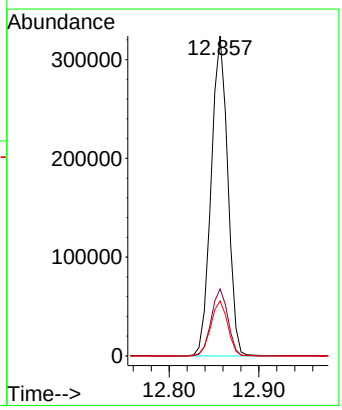


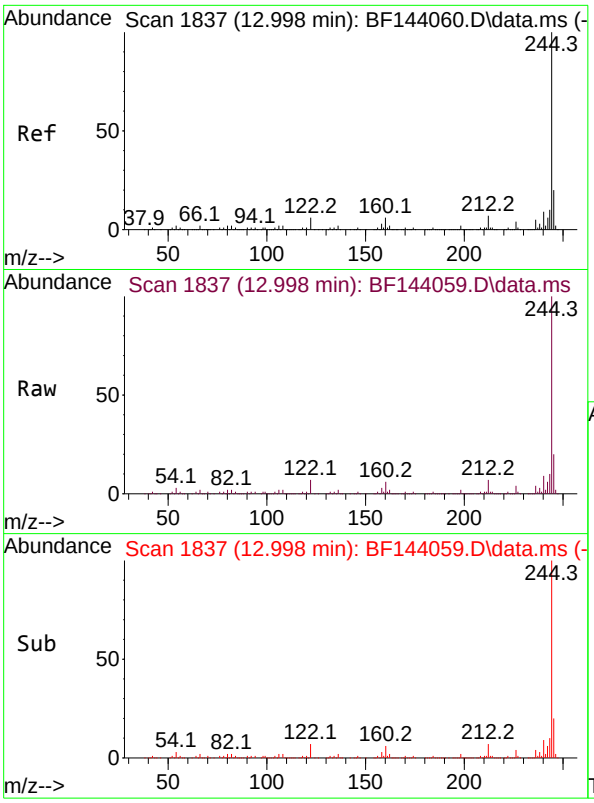


#78
Pyrene
Concen: 19.831 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:202 Resp: 416839

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.1	13.5	20.3



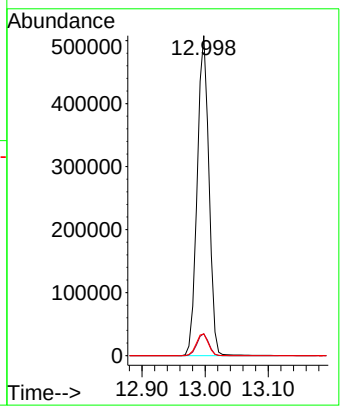


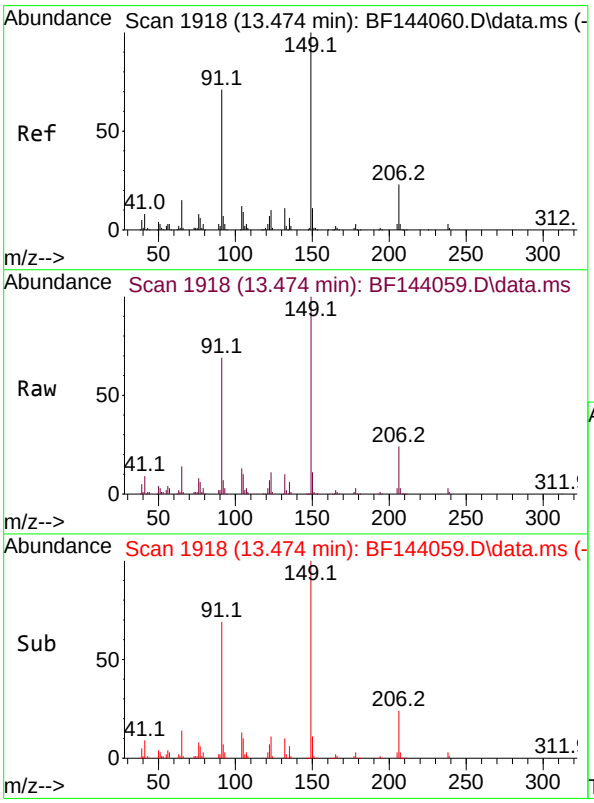
#79
Terphenyl-d14
Concen: 39.189 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 655393

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.8	4.9	7.3

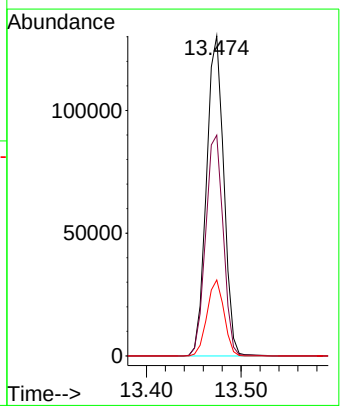


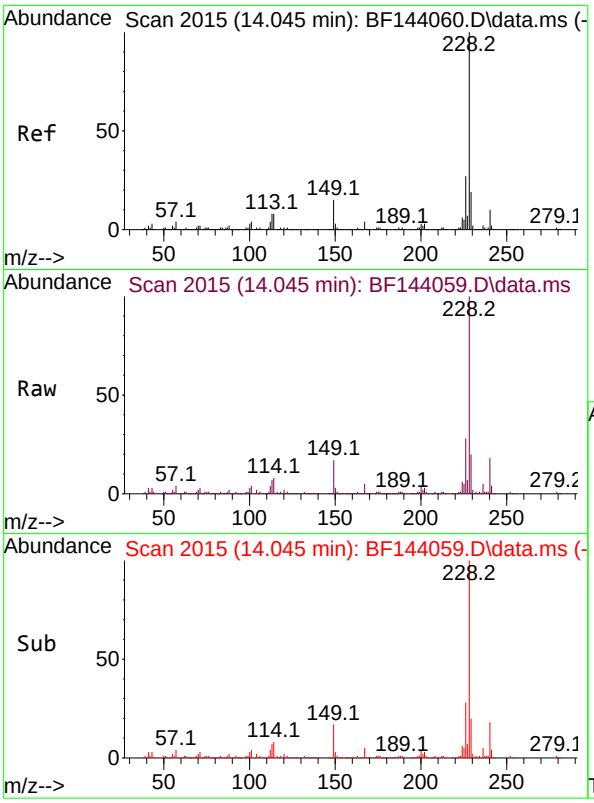


#80
Butylbenzylphthalate
Concen: 20.827 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 165613

Ion	Ratio	Lower	Upper
149	100		
91	69.0	56.6	84.8
206	23.7	18.3	27.5



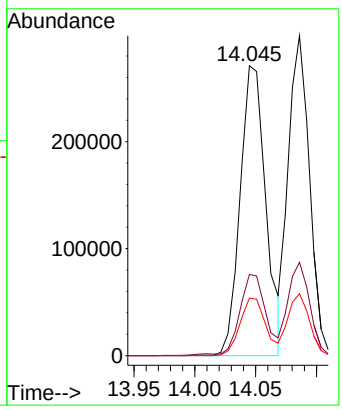


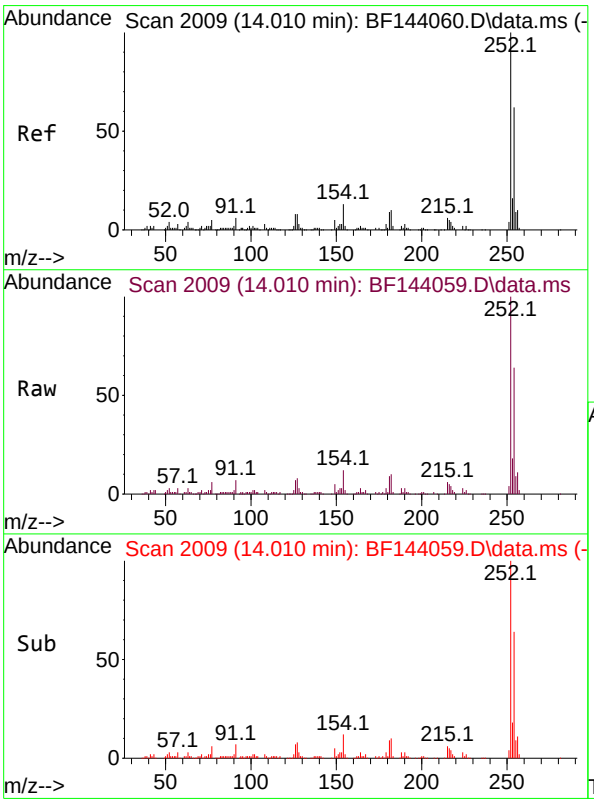
#81
Benzo(a)anthracene
Concen: 20.114 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 397414

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.4	32.2
229	19.9	15.3	22.9

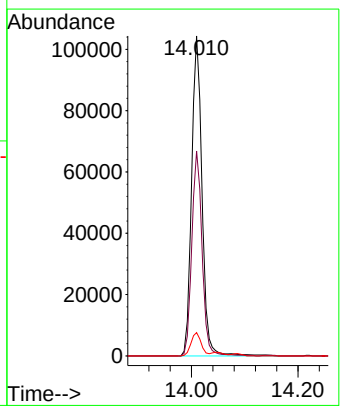


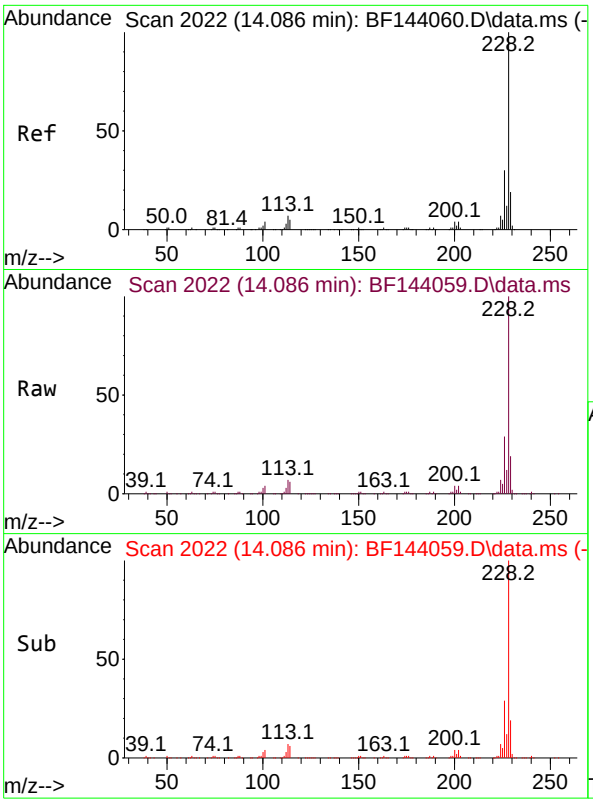


#82
3,3'-Dichlorobenzidine
Concen: 20.599 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:252 Resp: 141681

Ion	Ratio	Lower	Upper
252	100		
254	64.0	49.9	74.9
126	7.3	6.5	9.7



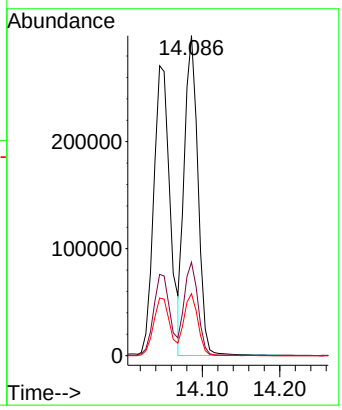


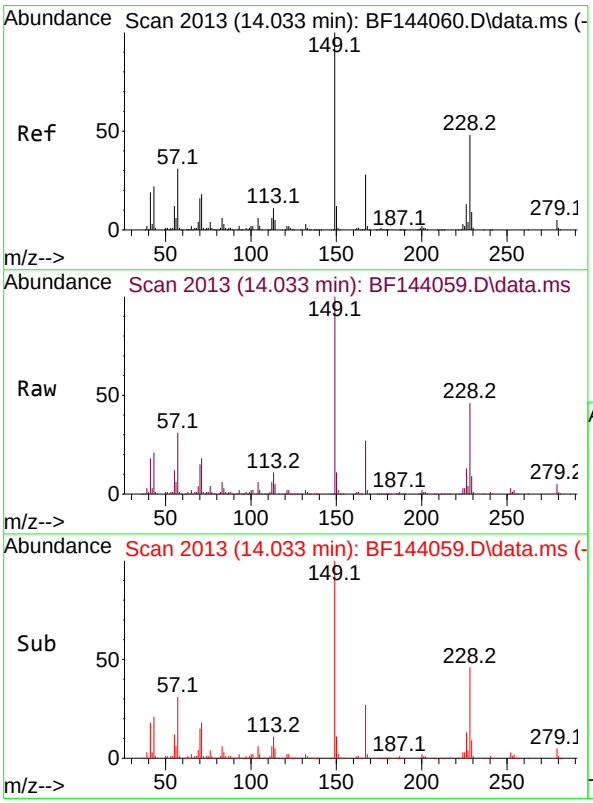
#83
Chrysene
Concen: 19.753 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 366241

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	19.3	15.6	23.4

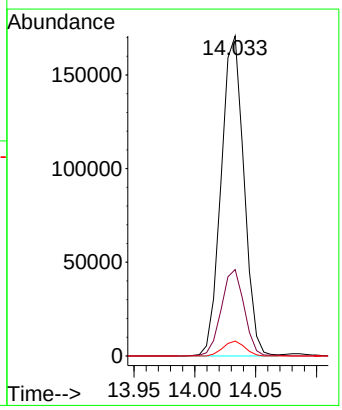


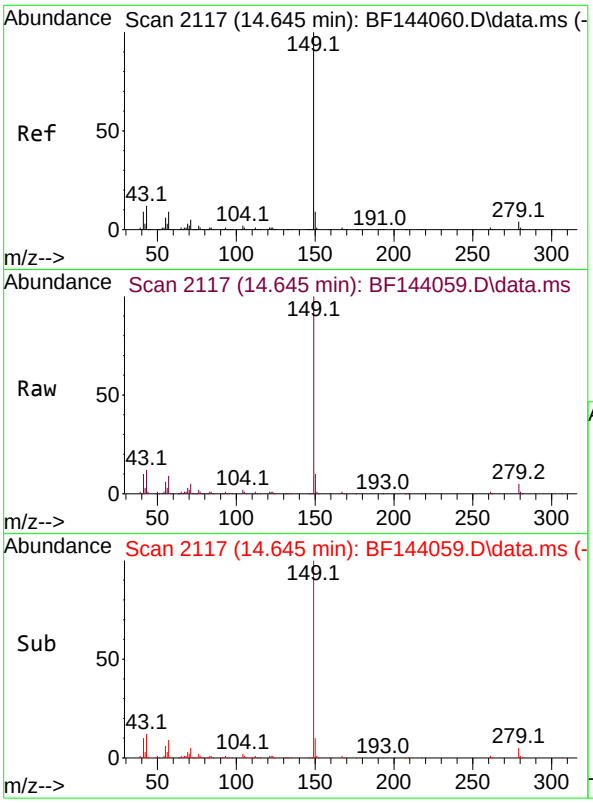


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.491 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 222446

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.5	33.7
279	4.6	3.6	5.4



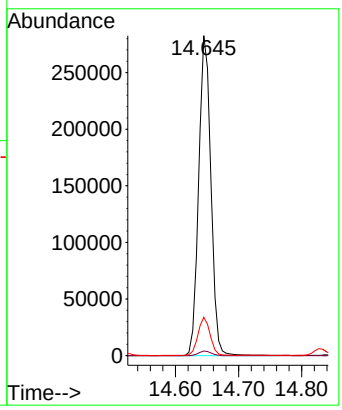


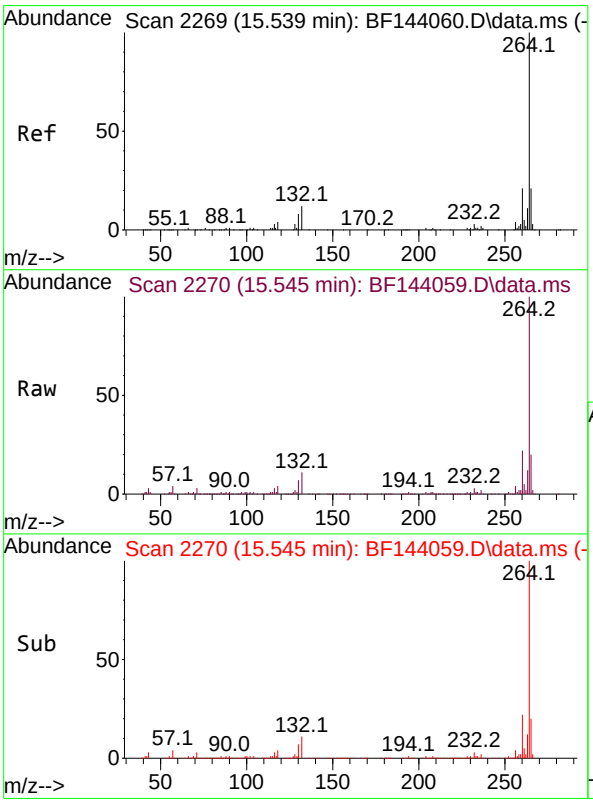
#85
Di-n-octyl phthalate
Concen: 20.284 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 378673

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.2	9.3	13.9

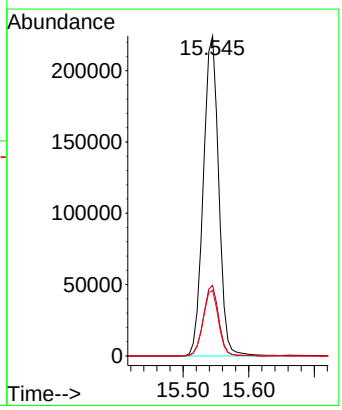


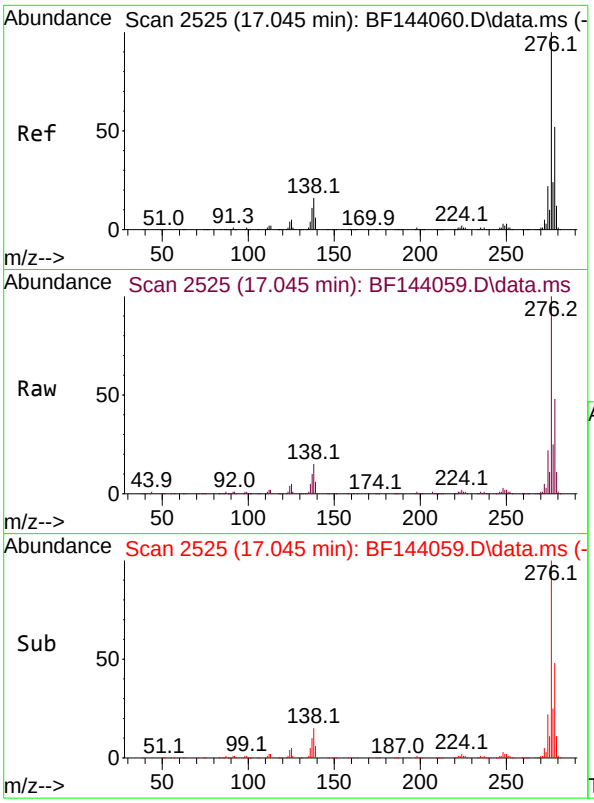


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:264 Resp: 364339

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.0	25.4
265	20.4	16.6	24.8



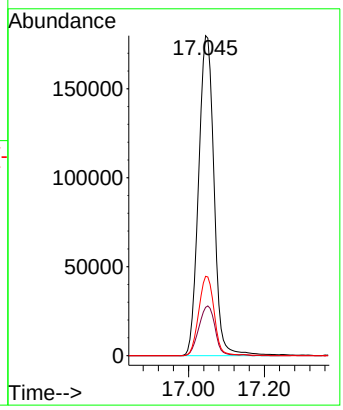


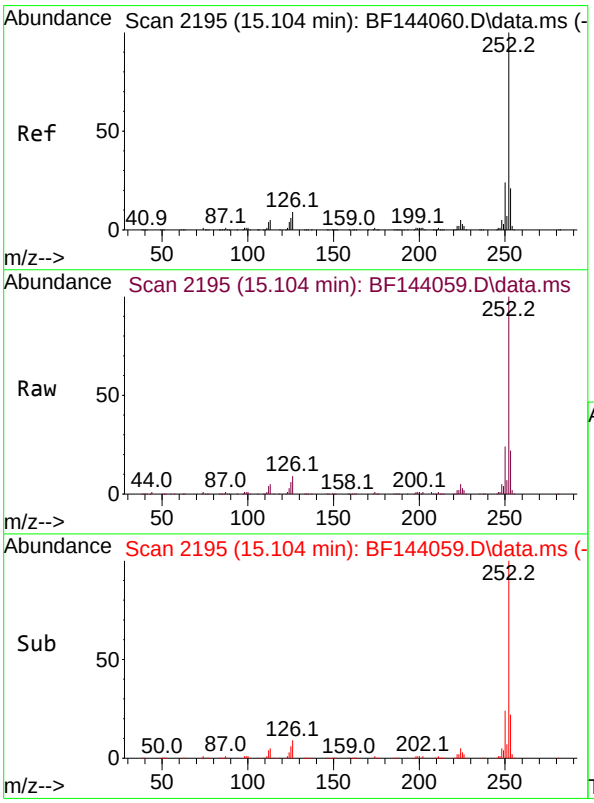
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.307 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 507947

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.0	19.6
277	24.5	19.4	29.0

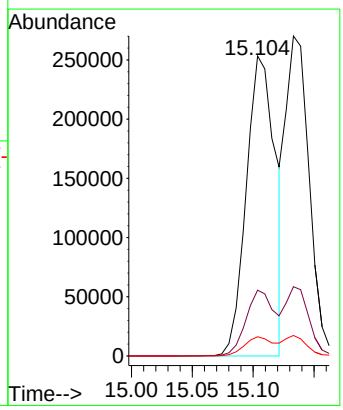


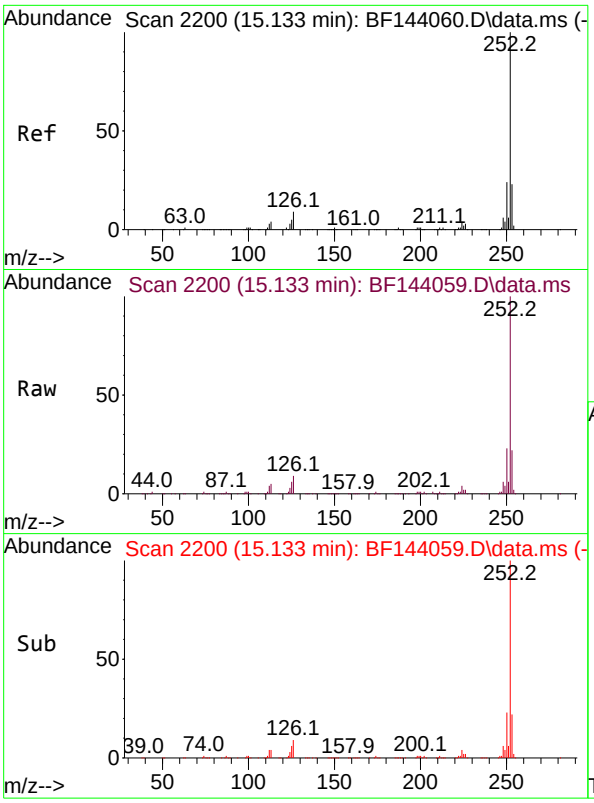


#88
Benzo(b)fluoranthene
Concen: 20.396 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:252 Resp: 420103

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	6.4	5.0	7.6



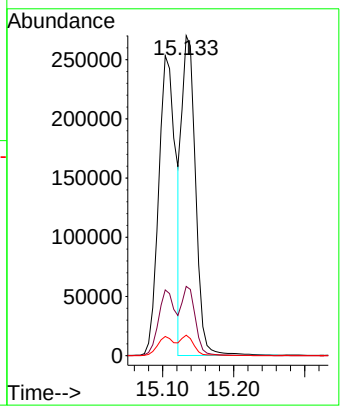


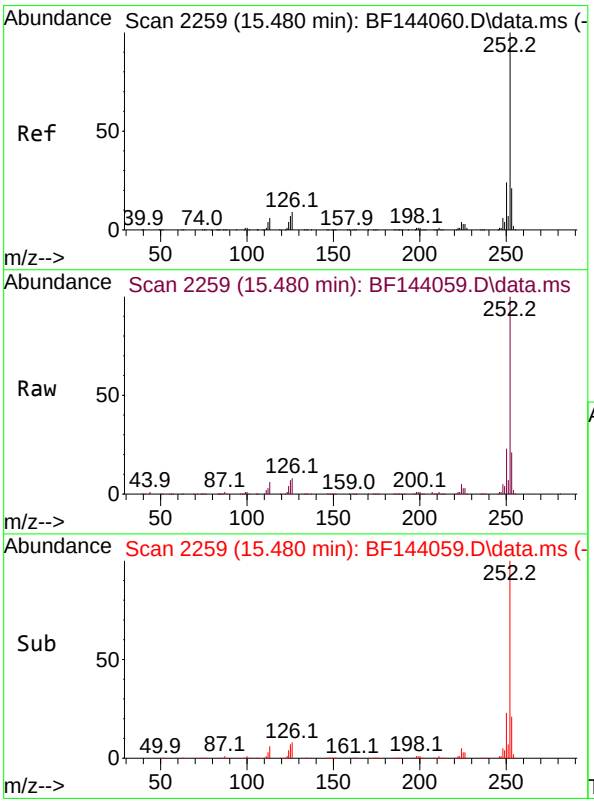
#89
Benzo(k)fluoranthene
Concen: 19.372 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 368139

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	6.4	4.9	7.3

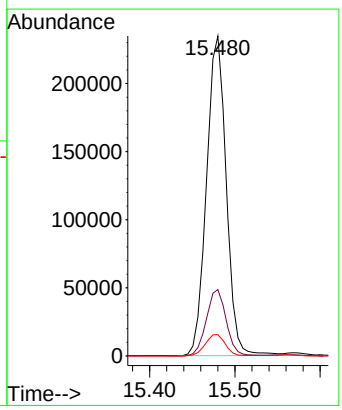


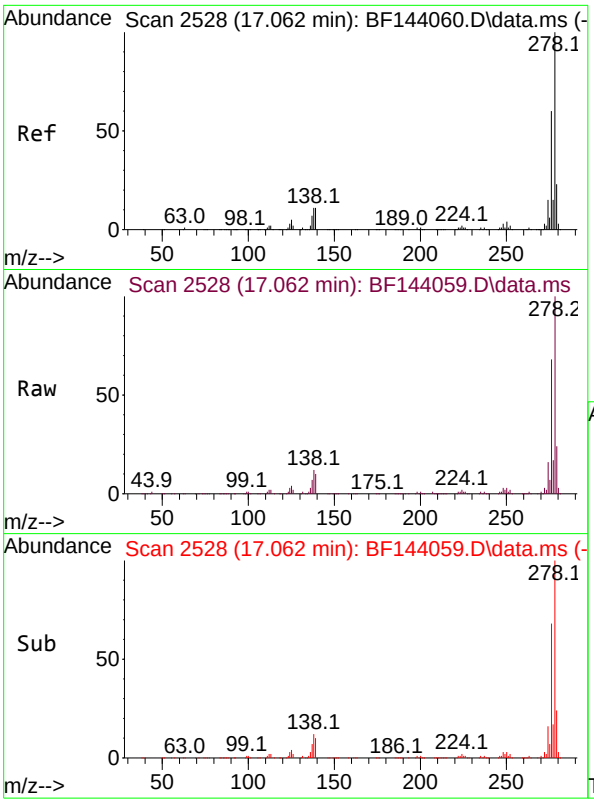


#90
Benzo(a)pyrene
Concen: 20.423 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:252 Resp: 377387

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.1	25.7
125	6.6	5.4	8.2



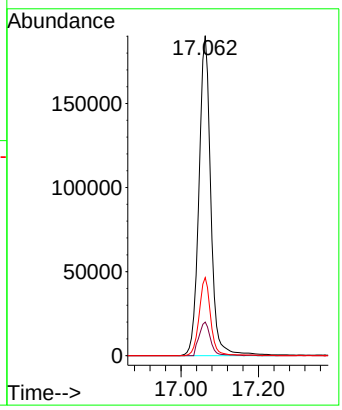


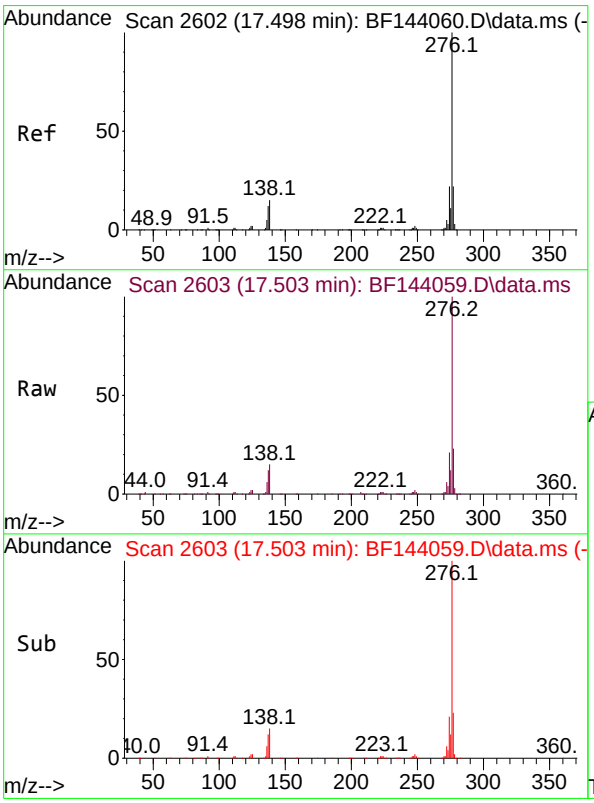
#91
Dibenzo(a,h)anthracene
Concen: 20.364 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 403214

Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.5	12.7
279	24.4	18.6	28.0

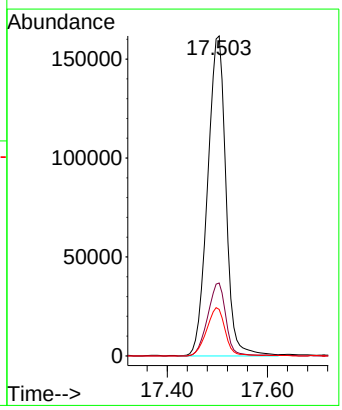




#92
Benzo(g,h,i)perylene
Concen: 20.563 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:276 Resp: 409358

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	14.6	12.0	18.0



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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

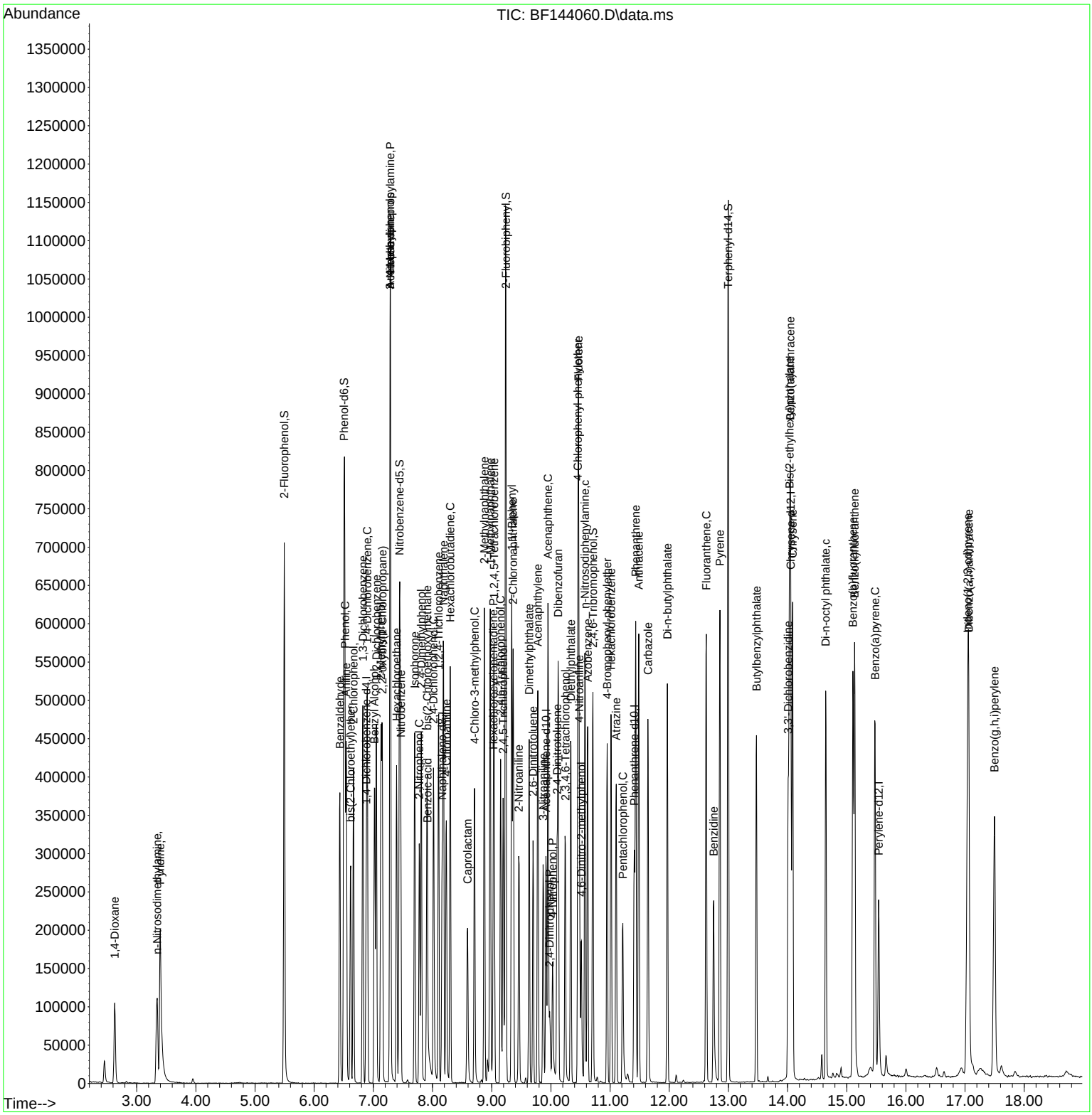
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	85520	39.842	ng	100
46) 1,1'-Biphenyl	9.339	154	269550	41.129	ng	100
47) 2-Chloronaphthalene	9.363	162	223762	40.753	ng	100
48) 2-Nitroaniline	9.457	65	69638	42.711	ng	100
49) Acenaphthylene	9.780	152	311770	42.112	ng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

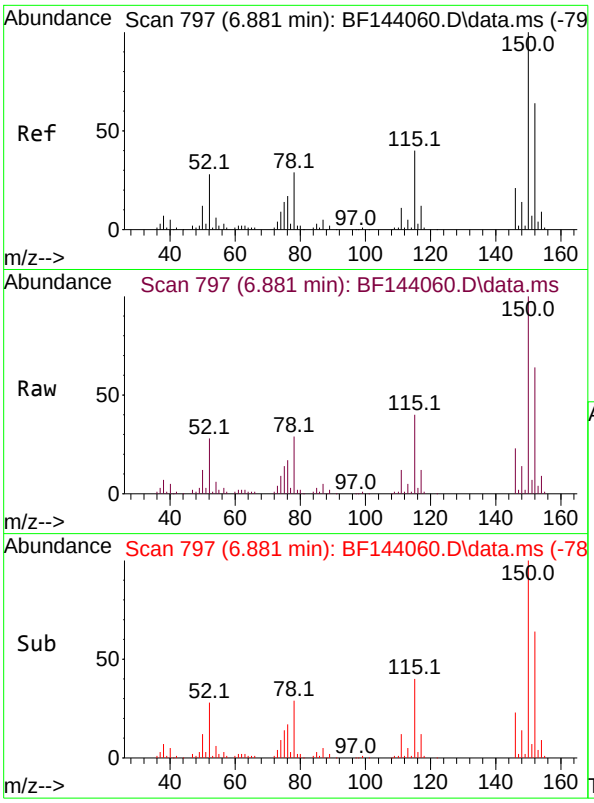
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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



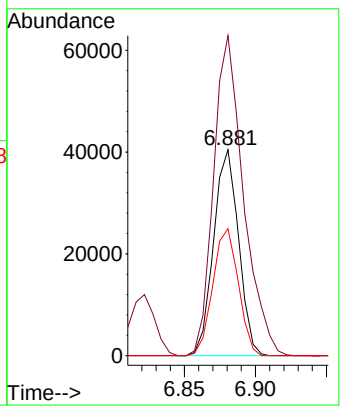


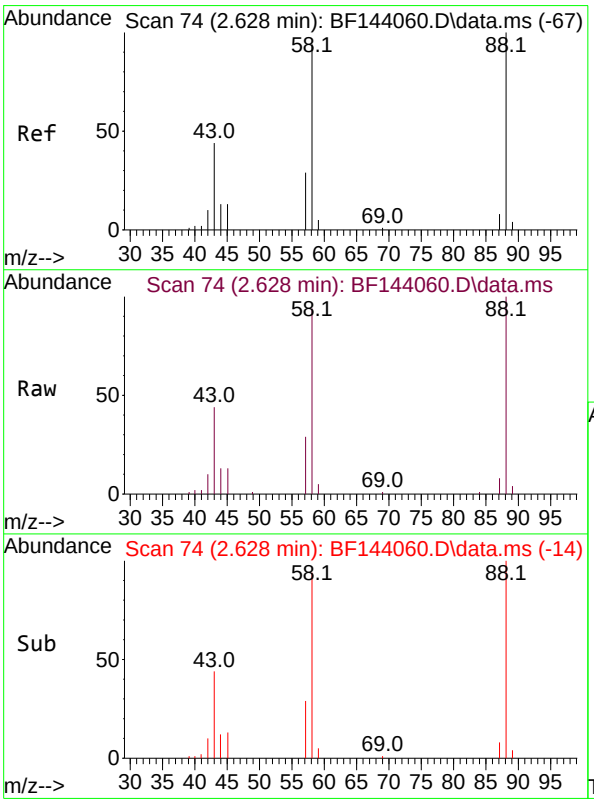
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 49457

Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	61.7	49.4	74.0

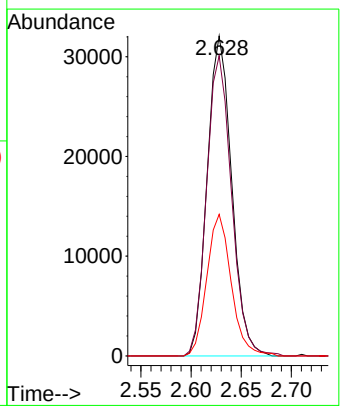


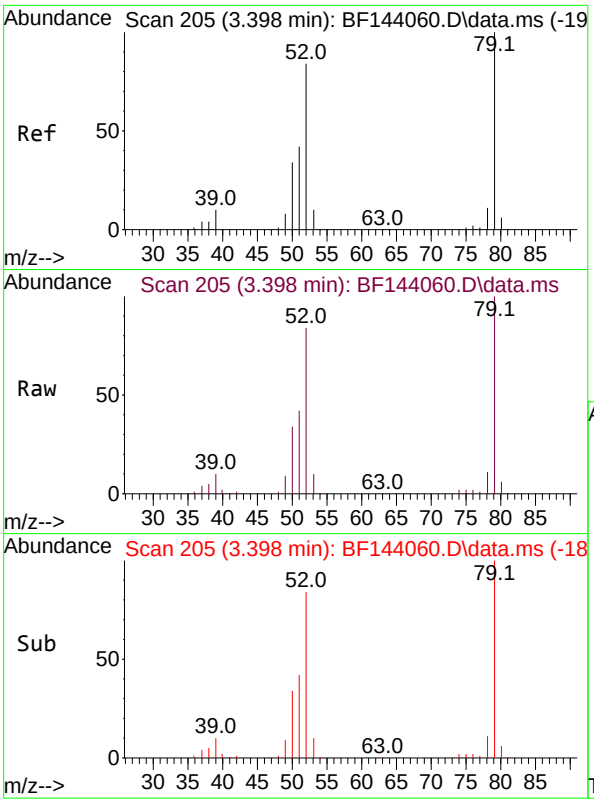


#2
1,4-Dioxane
Concen: 40.269 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 88 Resp: 54397

Ion	Ratio	Lower	Upper
88	100		
58	95.6	76.5	114.7
43	44.1	35.3	52.9



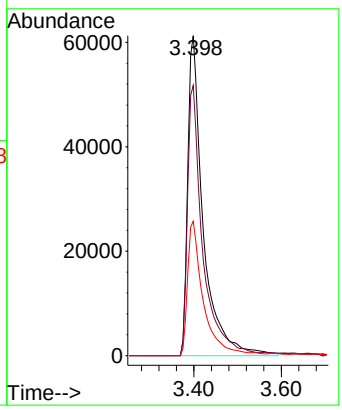


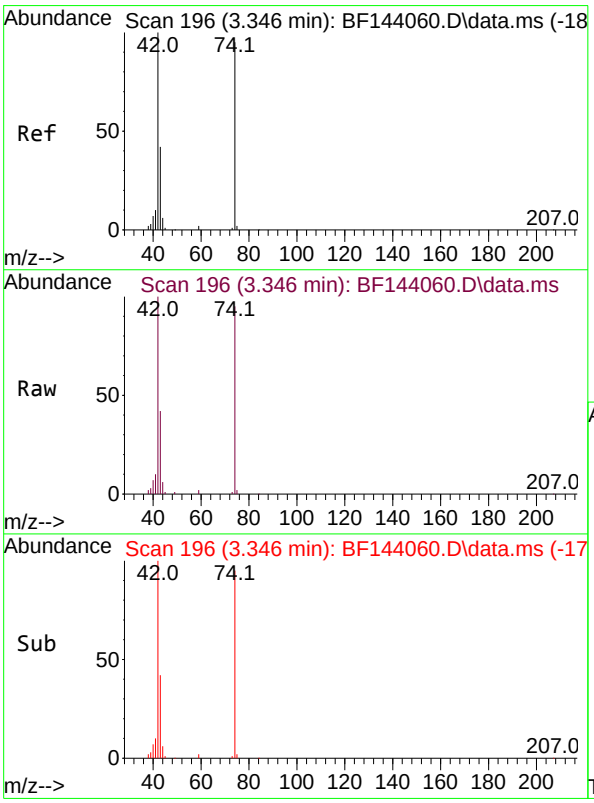
#3
Pyridine
Concen: 41.765 ng
RT: 3.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 151037

Ion	Ratio	Lower	Upper
79	100		
52	84.4	67.5	101.3
51	42.0	33.6	50.4

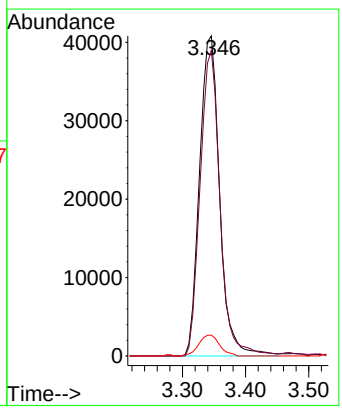


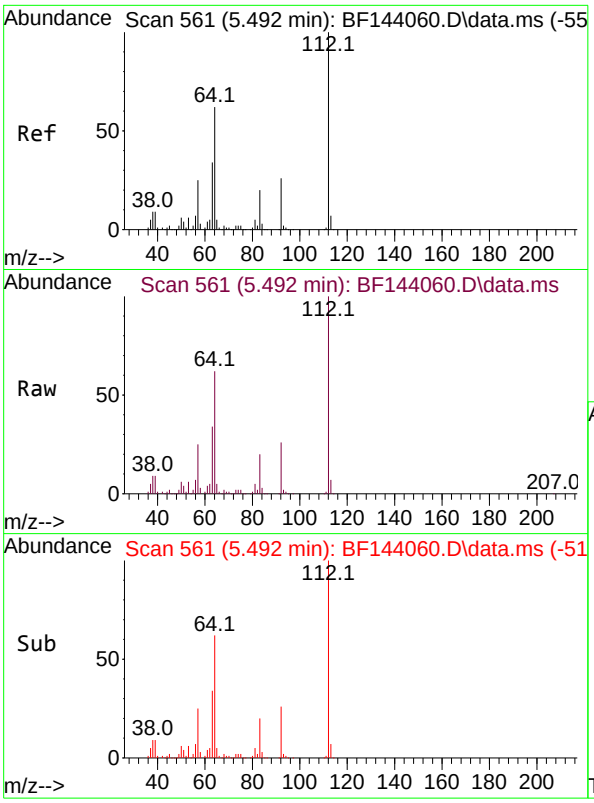


#4
n-Nitrosodimethylamine
Concen: 40.599 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 42 Resp: 90217

Ion	Ratio	Lower	Upper
42	100		
74	95.5	76.4	114.6
44	6.5	5.2	7.8



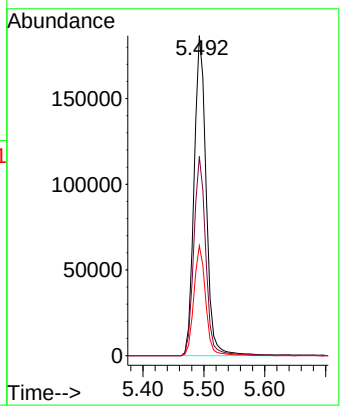


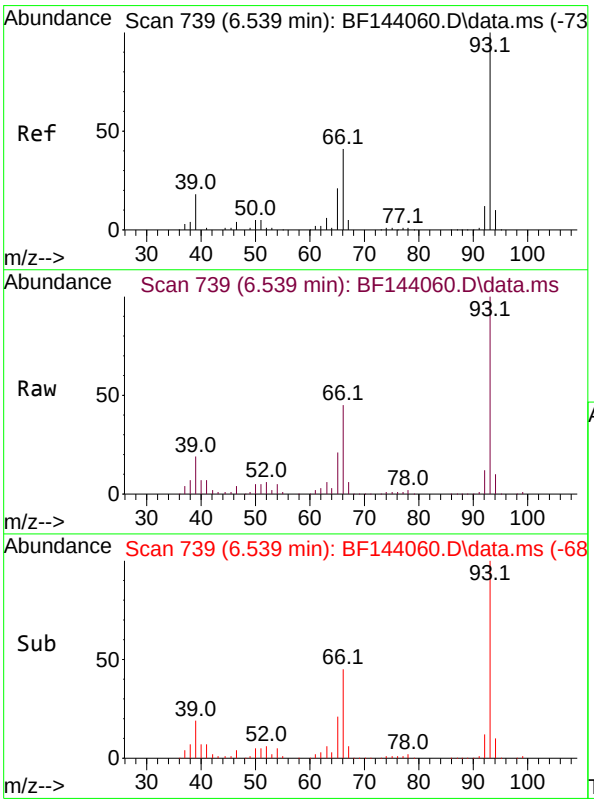
#5
2-Fluorophenol
Concen: 82.465 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 257786

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	34.3	27.4	41.2

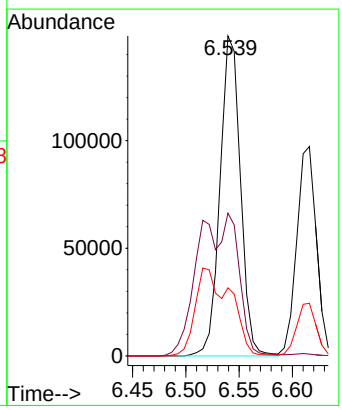


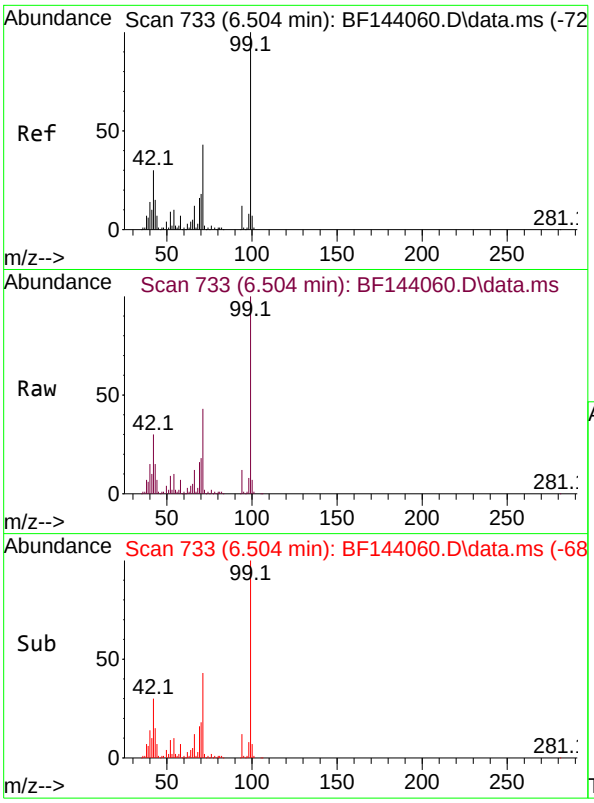


#6
Aniline
Concen: 40.371 ng
RT: 6.539 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 93 Resp: 199395

Ion	Ratio	Lower	Upper
93	100		
66	44.6	35.7	53.5
65	21.3	17.0	25.6



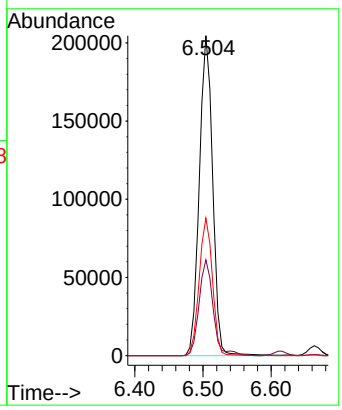


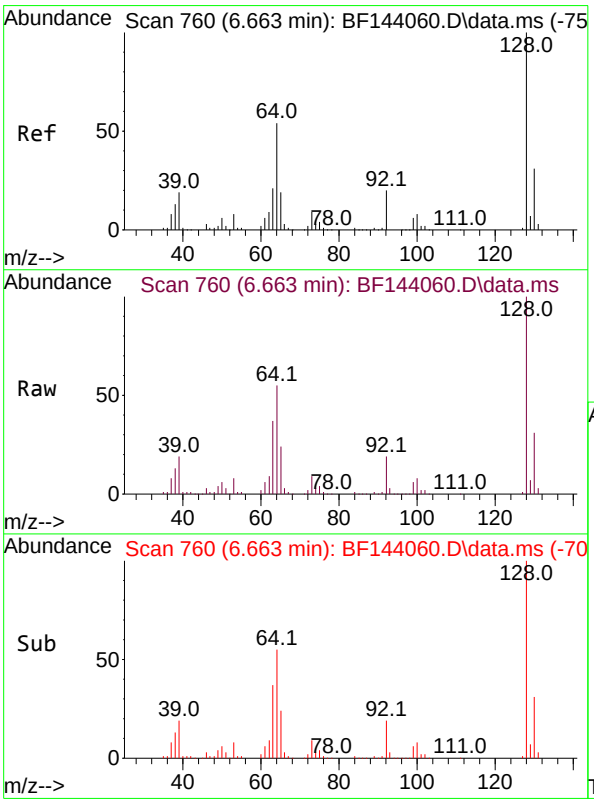
#7
Phenol-d6
Concen: 80.690 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 278572

Ion	Ratio	Lower	Upper
99	100		
42	29.9	23.9	35.9
71	43.0	34.4	51.6

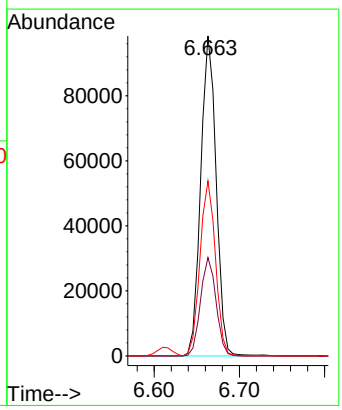


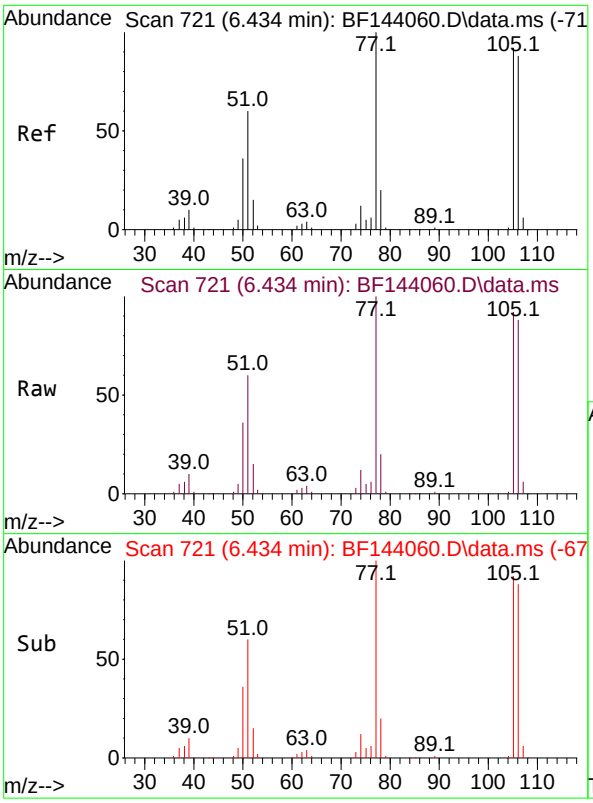


#8
2-Chlorophenol
Concen: 40.190 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:128 Resp: 123726

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.7	50.7
64	54.7	34.7	74.7



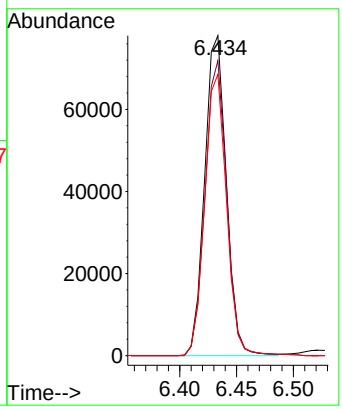


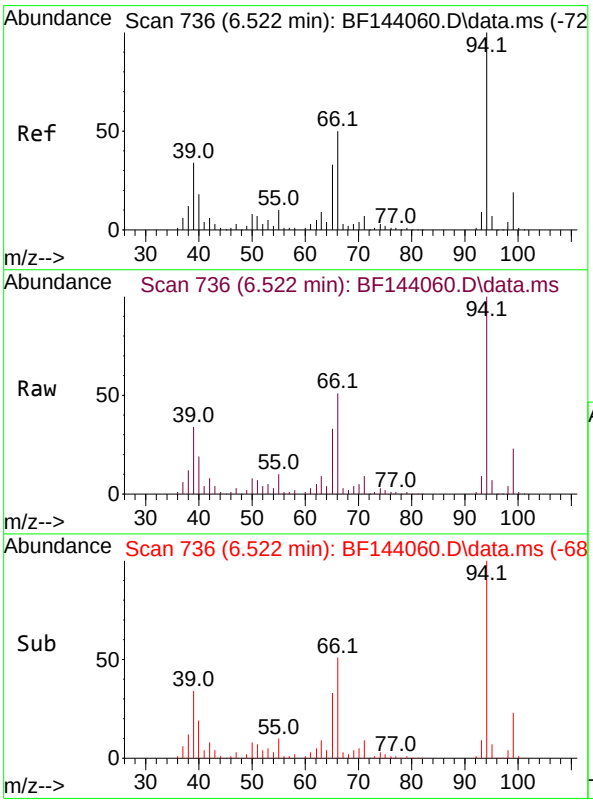
#9
Benzaldehyde
Concen: 38.490 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 103170

Ion	Ratio	Lower	Upper
77	100		
105	92.2	72.2	112.2
106	87.9	67.9	107.9

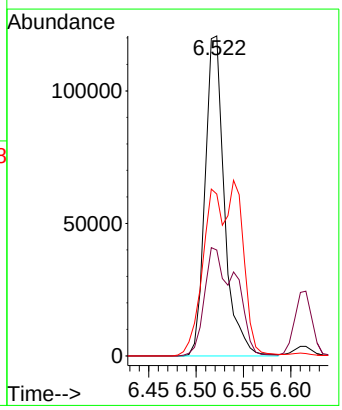


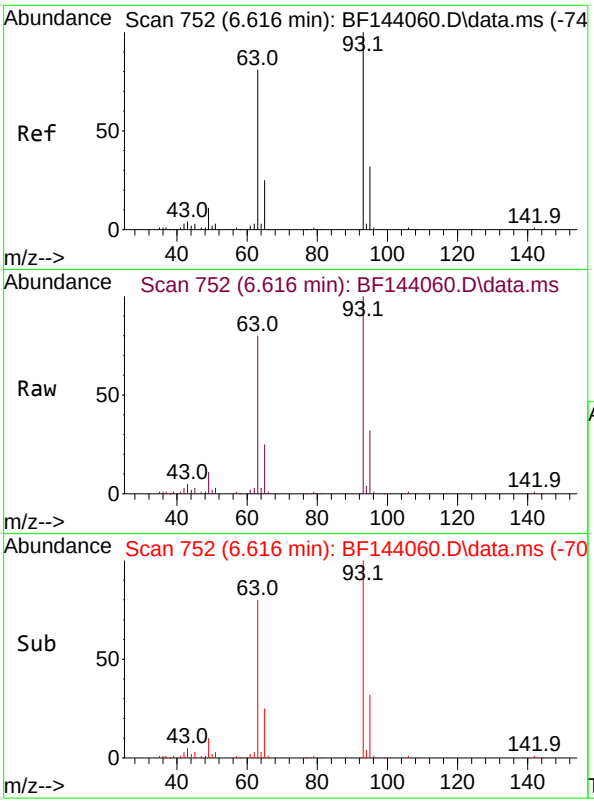


#10
Phenol
Concen: 40.307 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 94 Resp: 171675

Ion	Ratio	Lower	Upper
94	100		
65	33.1	13.1	53.1
66	50.6	30.6	70.6



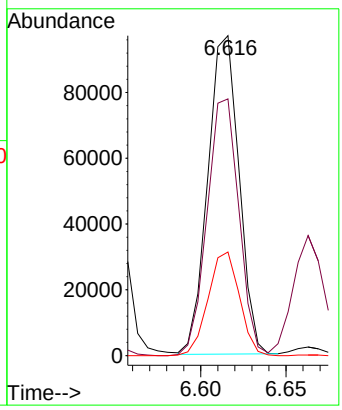


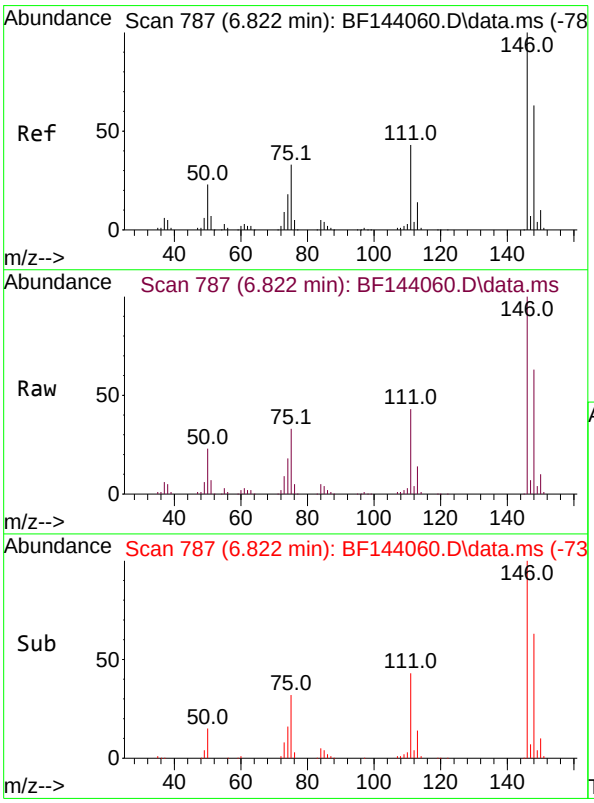
#11
bis(2-Chloroethyl)ether
Concen: 40.113 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 123456

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	32.4	12.4	52.4

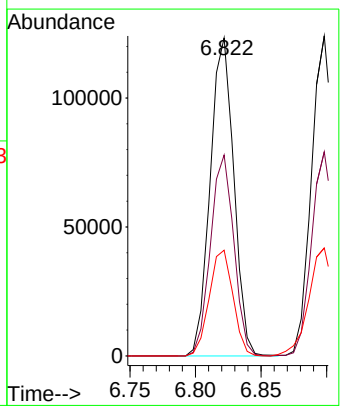


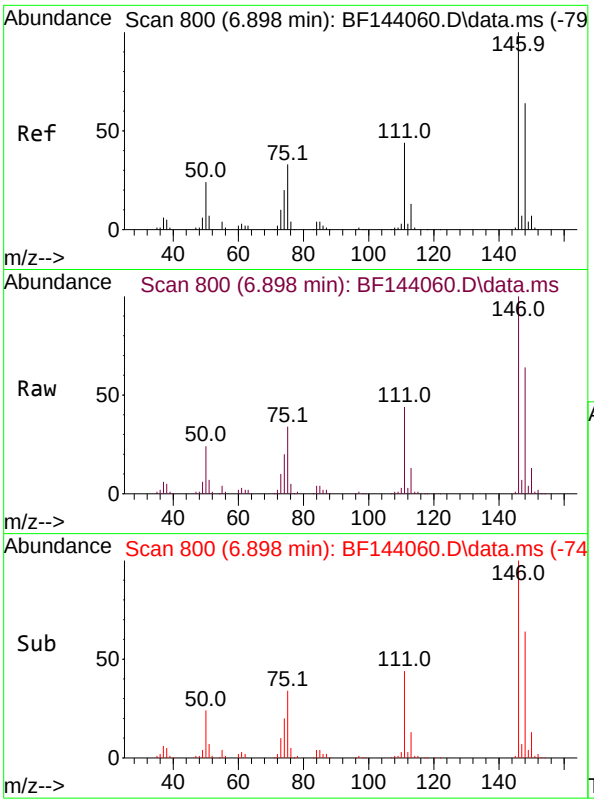


#12
1,3-Dichlorobenzene
Concen: 40.768 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:146 Resp: 154816

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
75	33.3	26.6	40.0



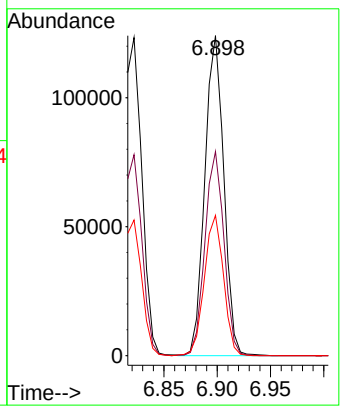


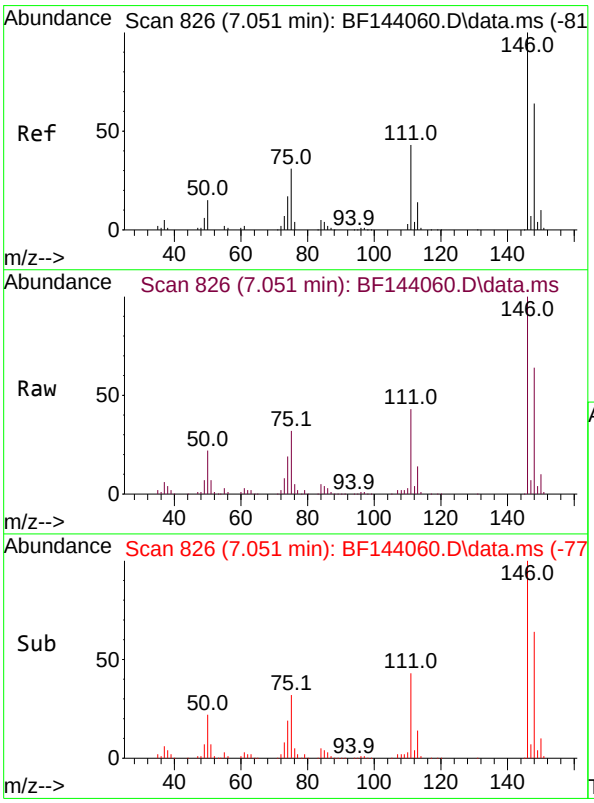
#13
1,4-Dichlorobenzene
Concen: 41.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 153441

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.8	35.0	52.6

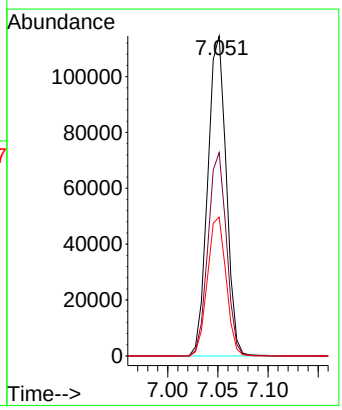


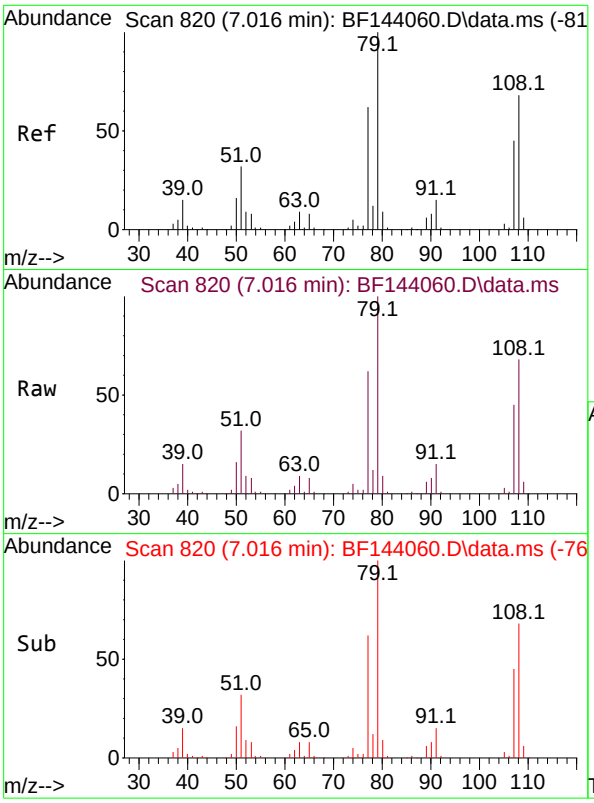


#14
1,2-Dichlorobenzene
Concen: 40.430 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:146 Resp: 146404

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	43.4	34.7	52.1



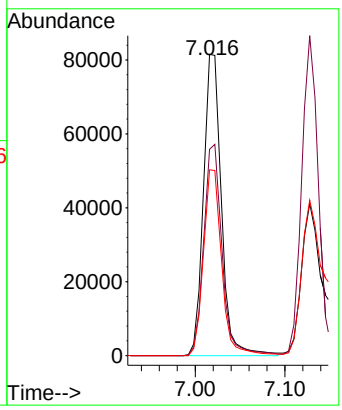


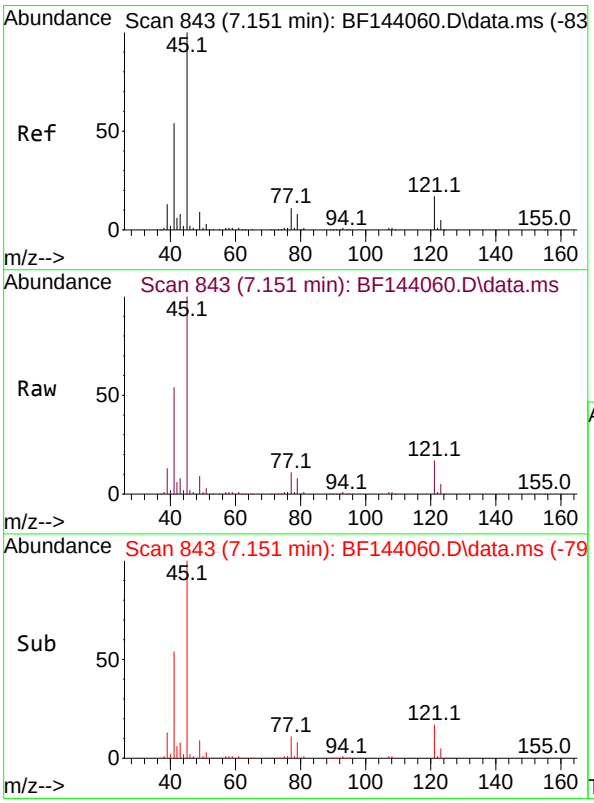
#15
Benzyl Alcohol
Concen: 40.340 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 113241

Ion	Ratio	Lower	Upper
79	100		
108	68.5	54.8	82.2
77	61.7	49.4	74.0

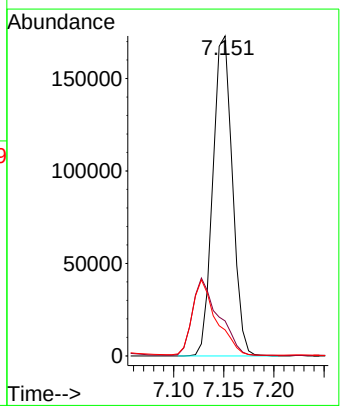


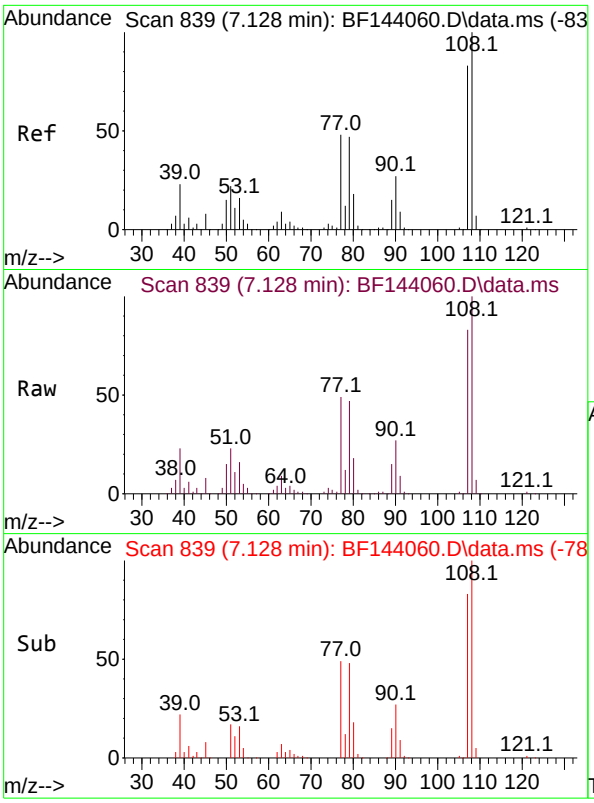


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.632 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 45 Resp: 235025

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	30.9
79	8.2	0.0	28.2



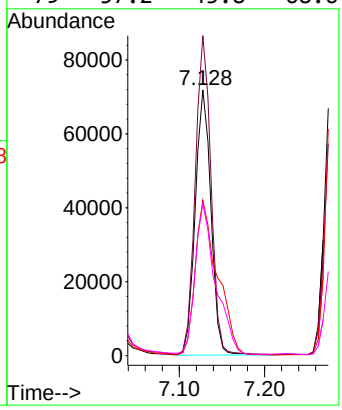


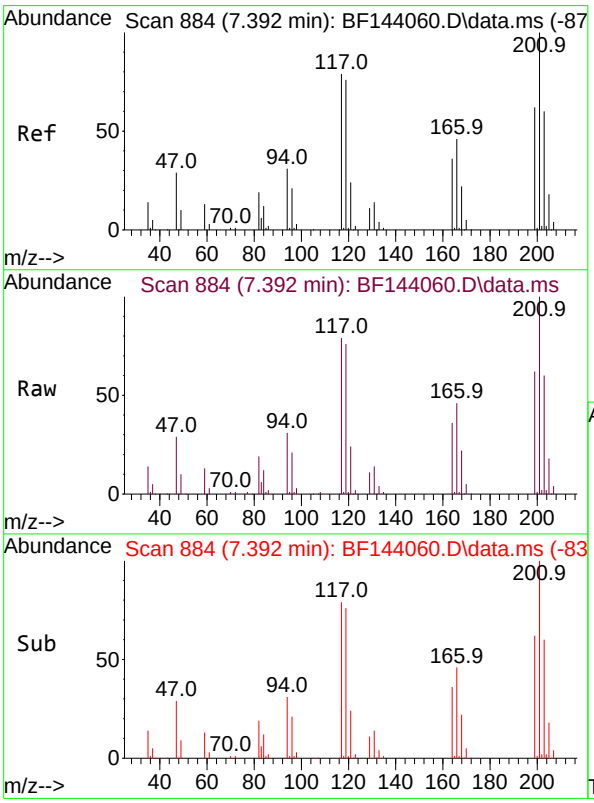
#17
2-Methylphenol
Concen: 38.877 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 92050

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

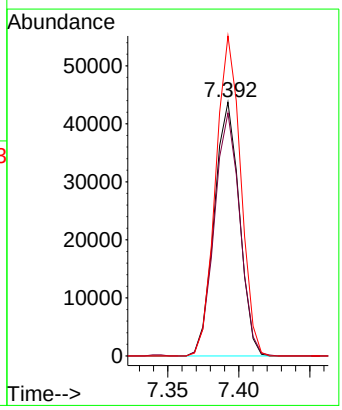


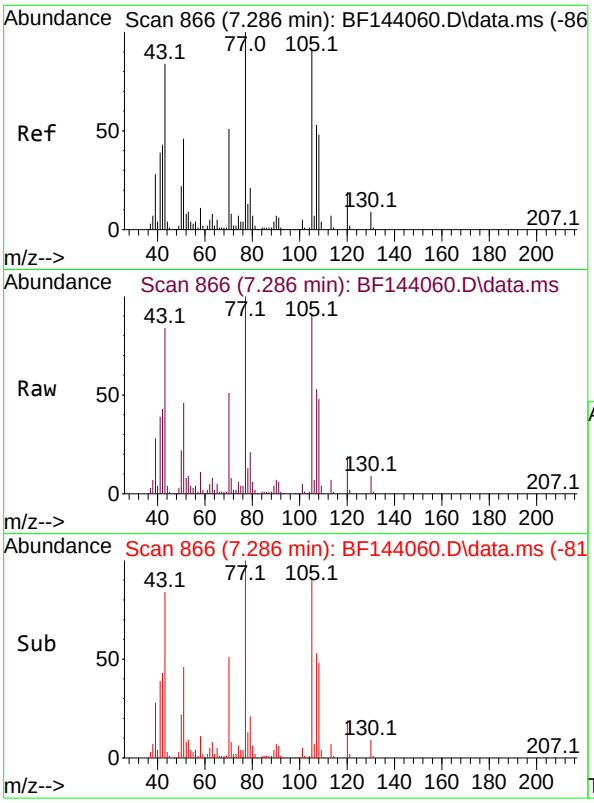


#18
Hexachloroethane
Concen: 40.236 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:117 Resp: 53836

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
201	126.1	100.9	151.3



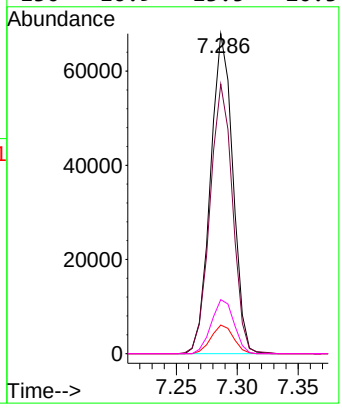


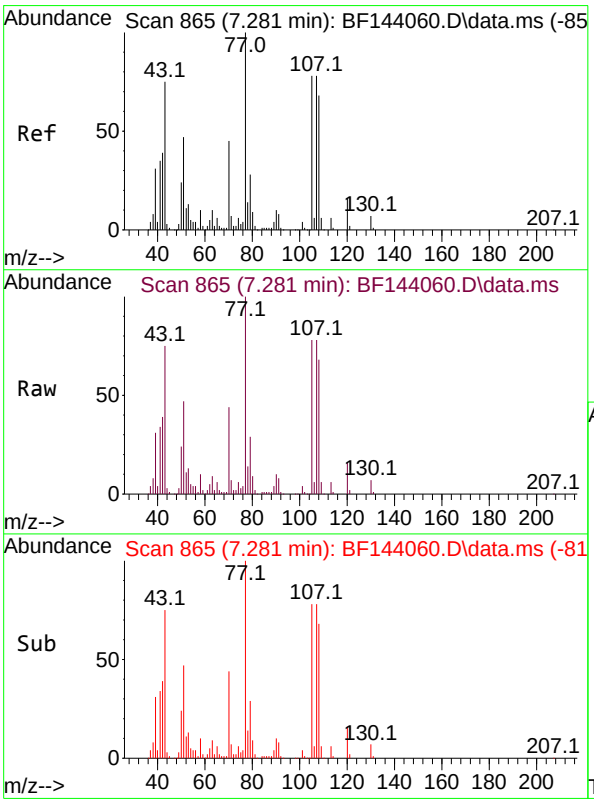
#19
n-Nitroso-di-n-propylamine
Concen: 38.823 ng
RT: 7.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 86672

Ion	Ratio	Lower	Upper
70	100		
42	84.2	67.4	101.0
101	8.9	7.1	10.7
130	16.9	13.5	20.3

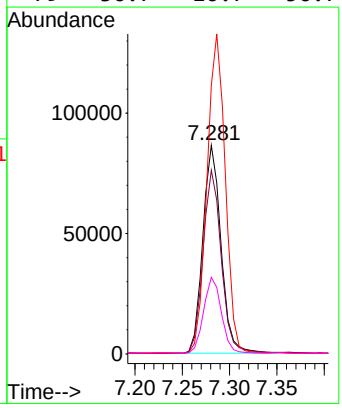


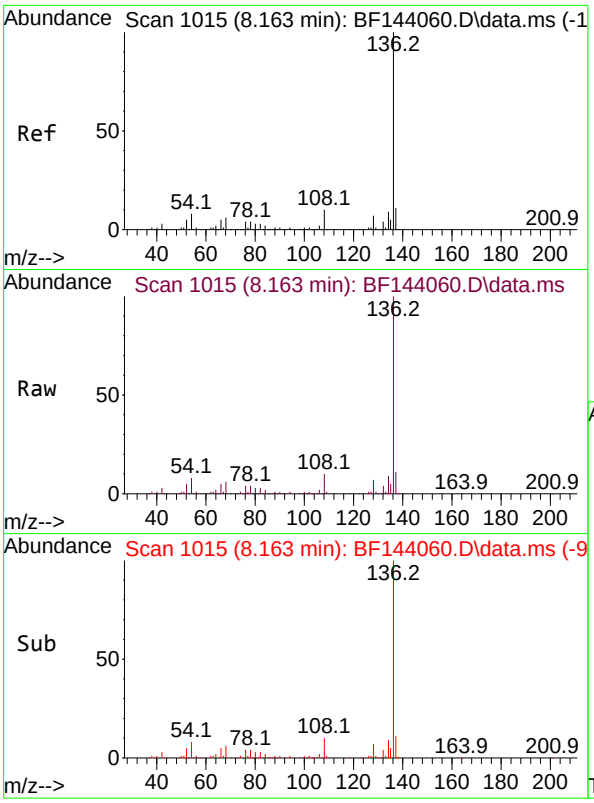


#20
3+4-Methylphenols
Concen: 41.255 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:107 Resp: 115474

Ion	Ratio	Lower	Upper
107	100		
108	88.0	68.0	108.0
77	128.7	108.7	148.7
79	36.7	16.7	56.7



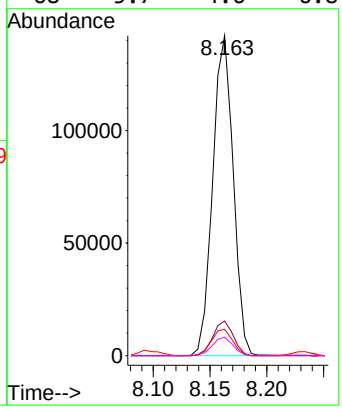


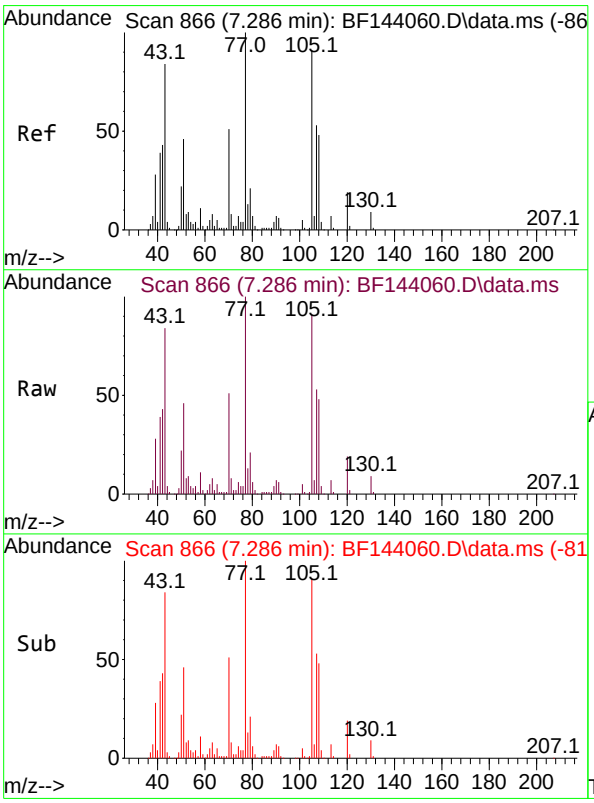
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 178191

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	9.8
68	5.7	4.6	6.8

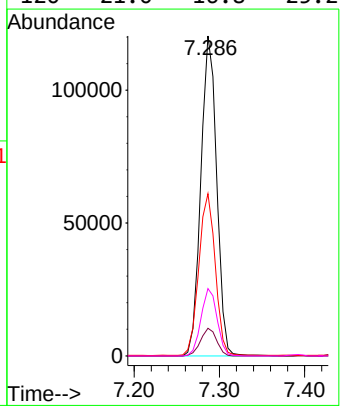


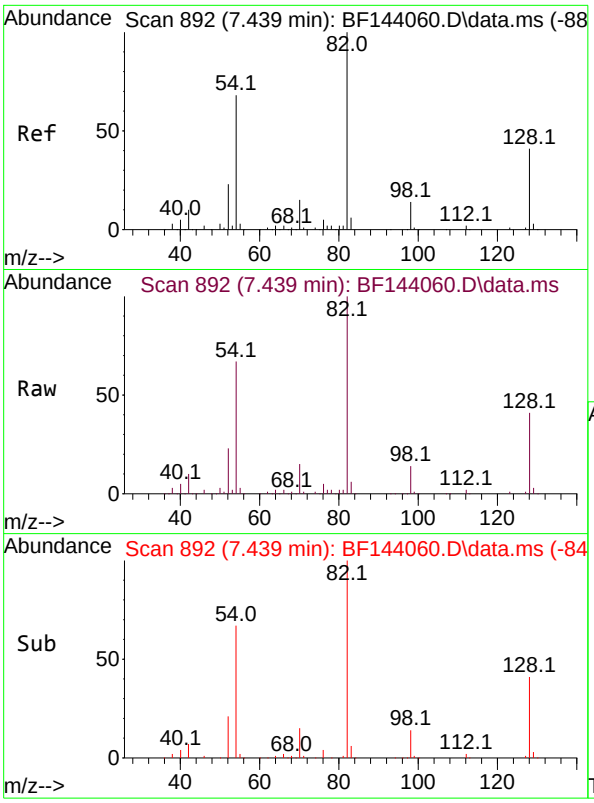


#22
Acetophenone
Concen: 40.399 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:105 Resp: 155572

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.9	10.3
51	50.7	40.6	60.8
120	21.0	16.8	25.2



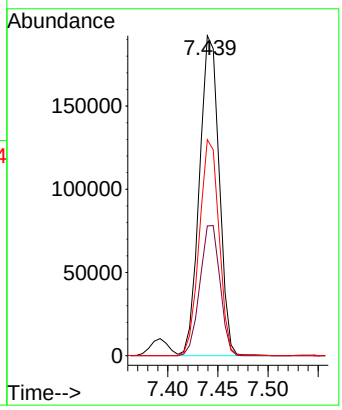


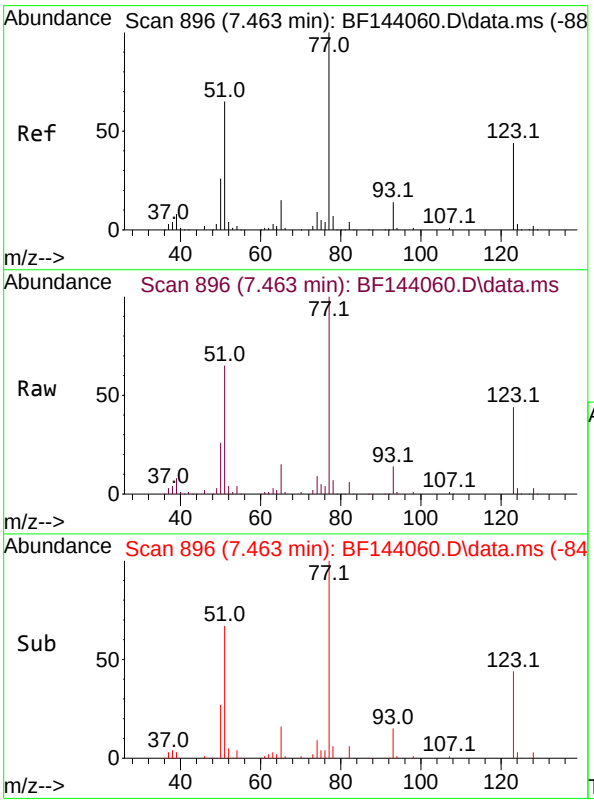
#23
Nitrobenzene-d5
Concen: 80.590 ng
RT: 7.439 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 262114

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.4	48.6
54	67.5	54.0	81.0

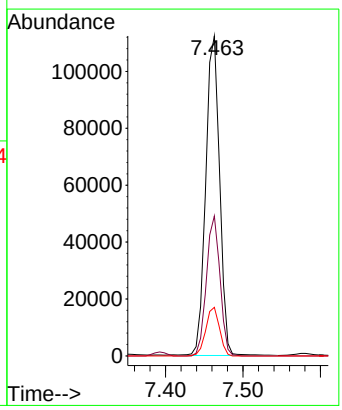


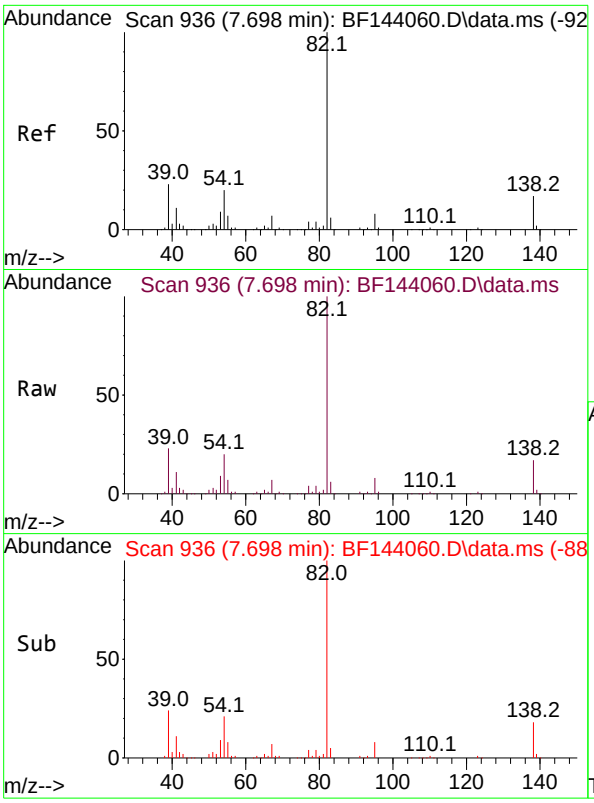


#24
Nitrobenzene
Concen: 40.596 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 77 Resp: 139675

Ion	Ratio	Lower	Upper
77	100		
123	43.8	35.0	52.6
65	15.2	12.2	18.2



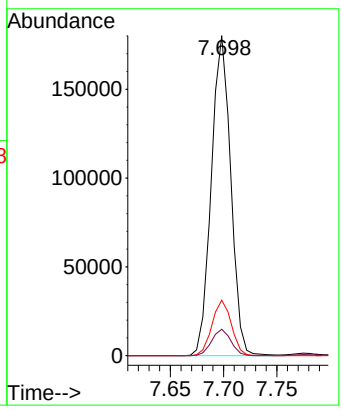


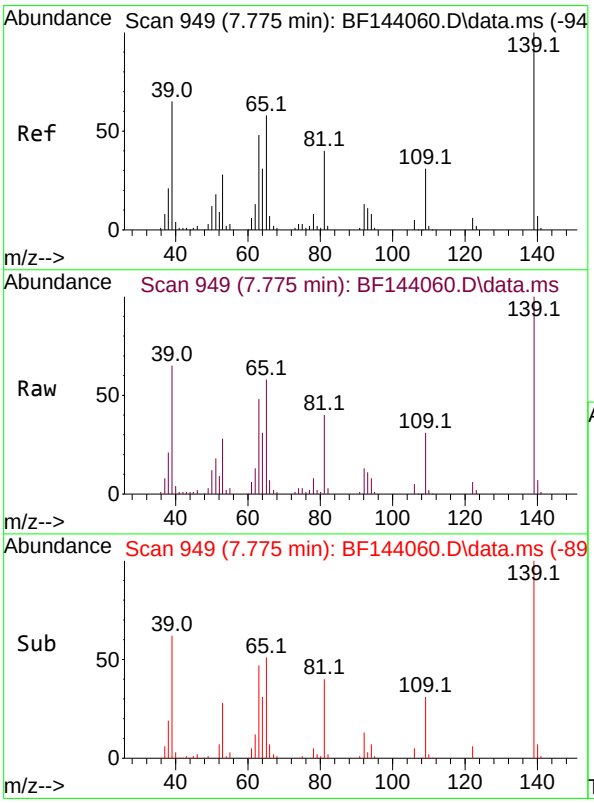
#25
Isophorone
Concen: 40.288 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 229089

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.6	9.8
138	17.3	13.8	20.8

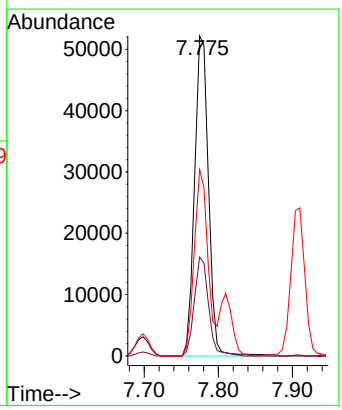


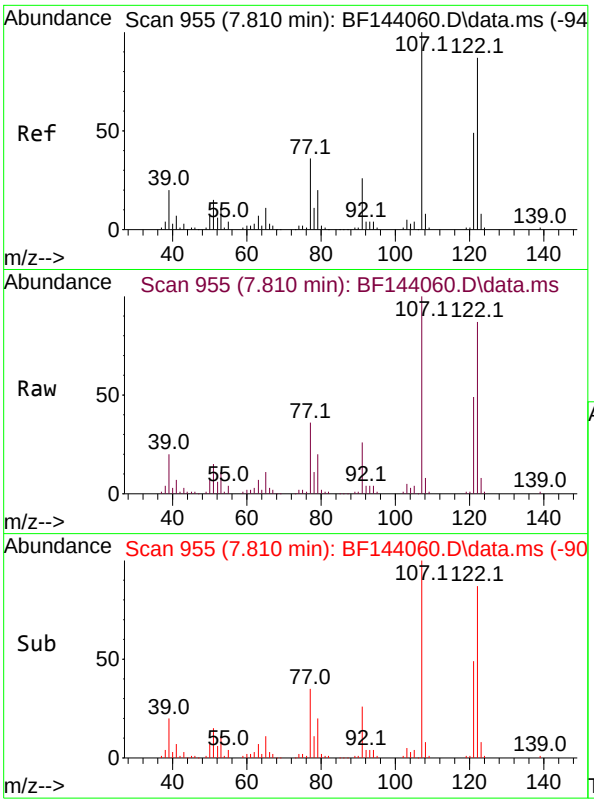


#26
2-Nitrophenol
Concen: 41.591 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:139 Resp: 68074

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	58.2	46.6	69.8



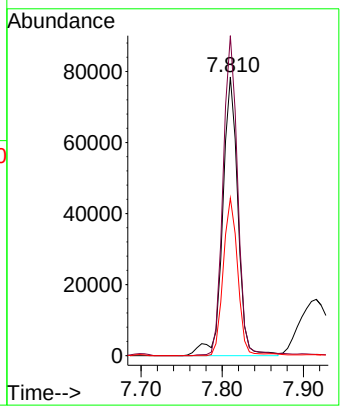


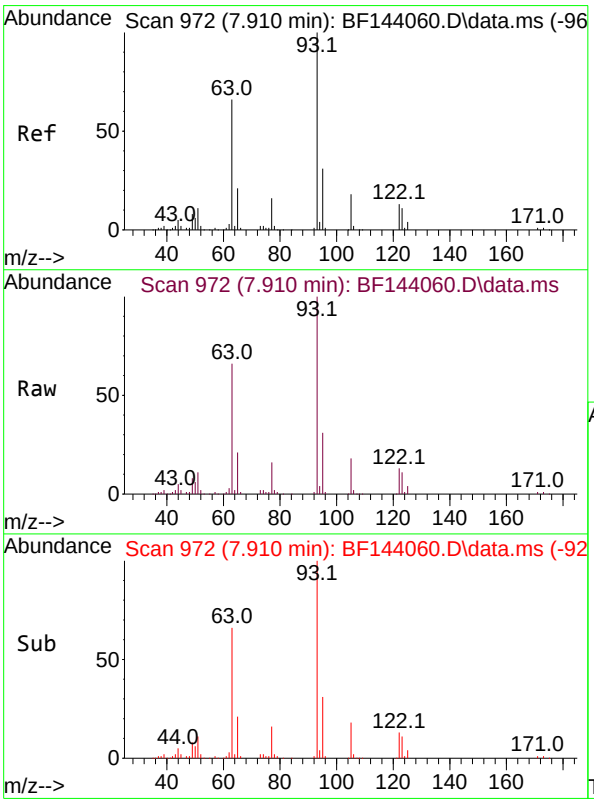
#27
2,4-Dimethylphenol
Concen: 42.049 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 102275

Ion	Ratio	Lower	Upper
122	100		
107	114.8	91.8	137.8
121	56.5	45.2	67.8

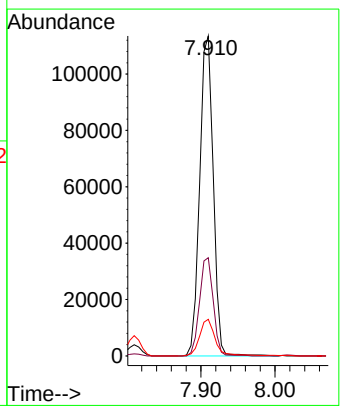


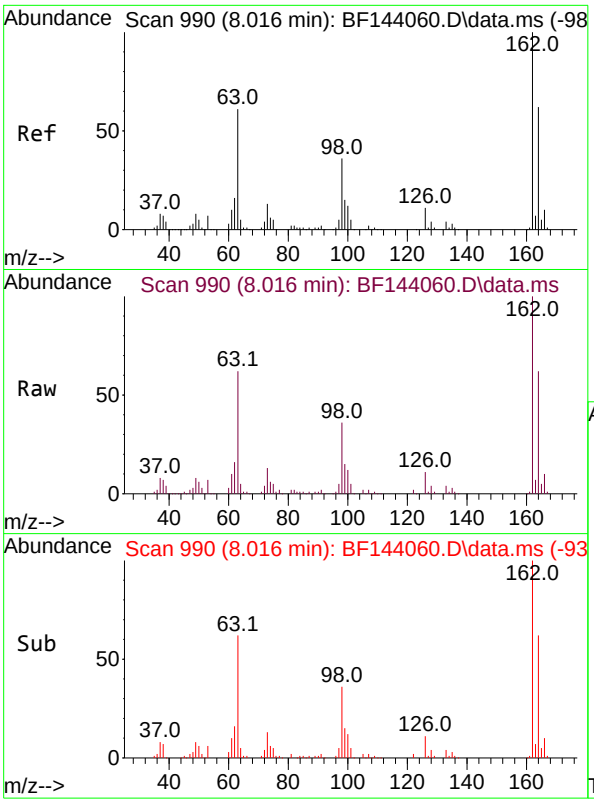


#28
bis(2-Chloroethoxy)methane
Concen: 40.631 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 93 Resp: 144080

Ion	Ratio	Lower	Upper
93	100		
95	30.7	24.6	36.8
123	11.4	9.1	13.7



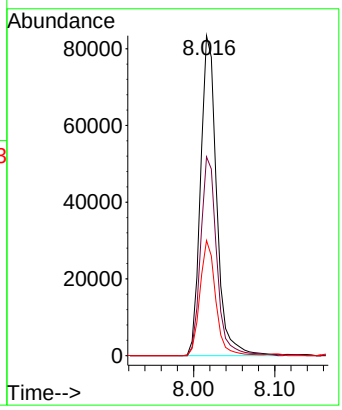


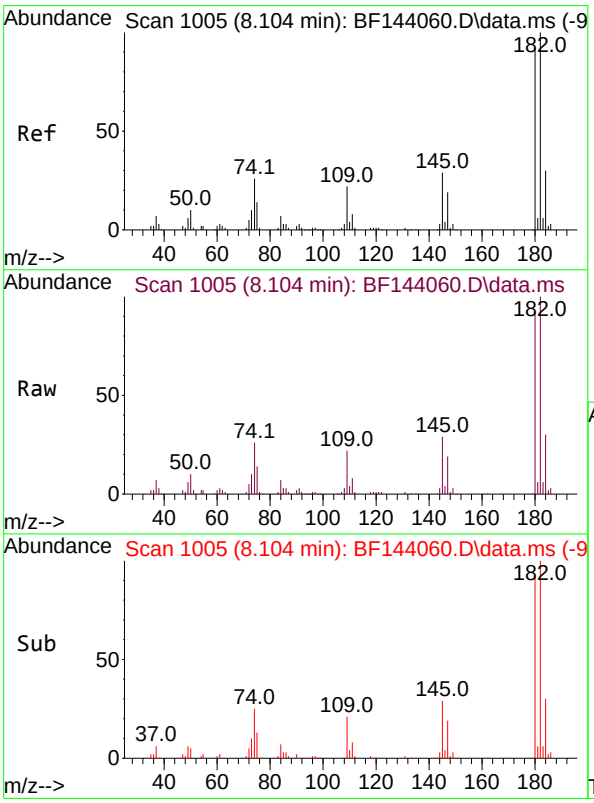
#29
2,4-Dichlorophenol
Concen: 40.677 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 115057

Ion	Ratio	Lower	Upper
162	100		
164	62.1	42.1	82.1
98	36.0	16.0	56.0

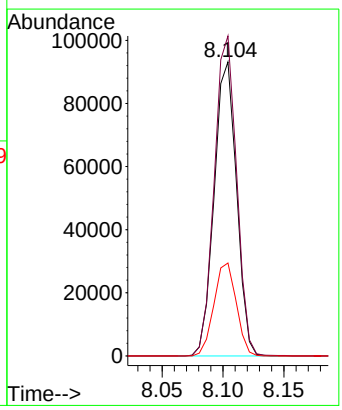


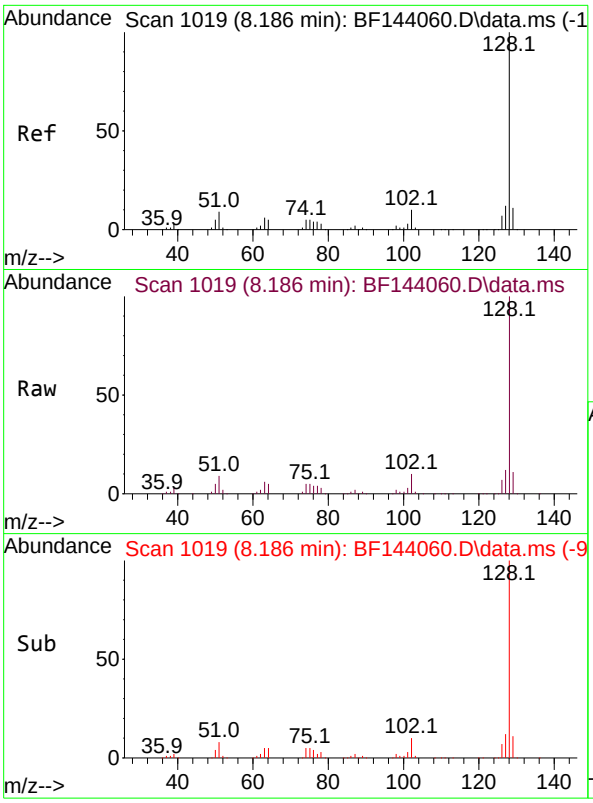


#30
1,2,4-Trichlorobenzene
Concen: 40.971 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:180 Resp: 119224

Ion	Ratio	Lower	Upper
180	100		
182	108.9	87.1	130.7
145	31.6	25.3	37.9



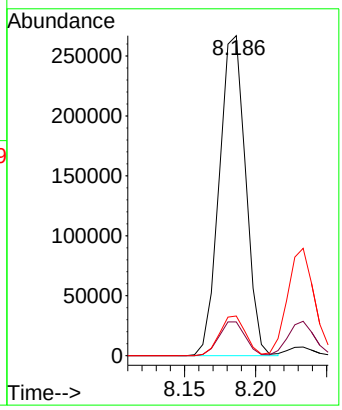


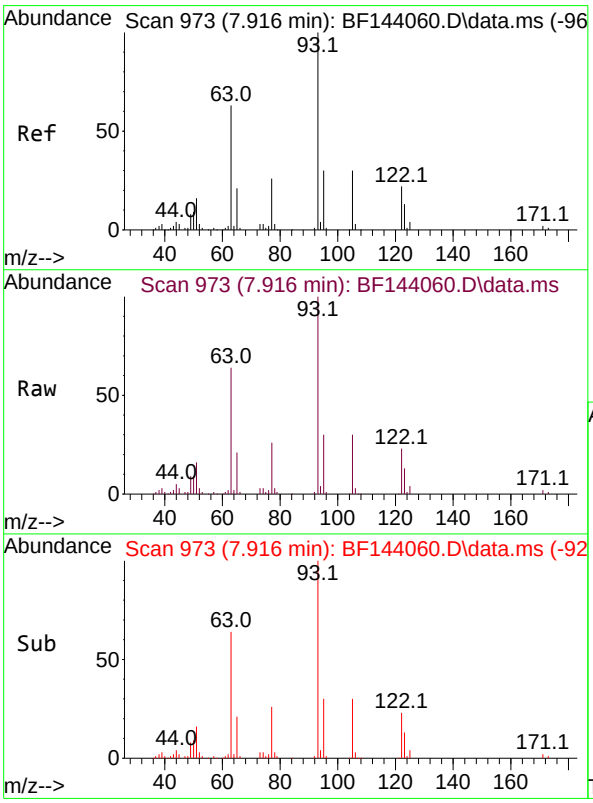
#31
Naphthalene
Concen: 40.910 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 344062

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	12.4	9.9	14.9

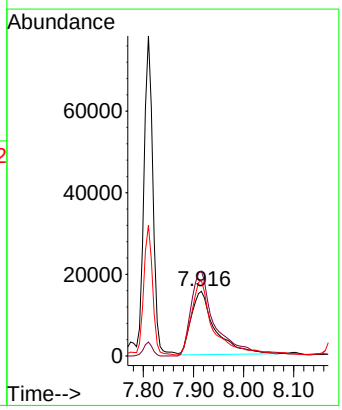


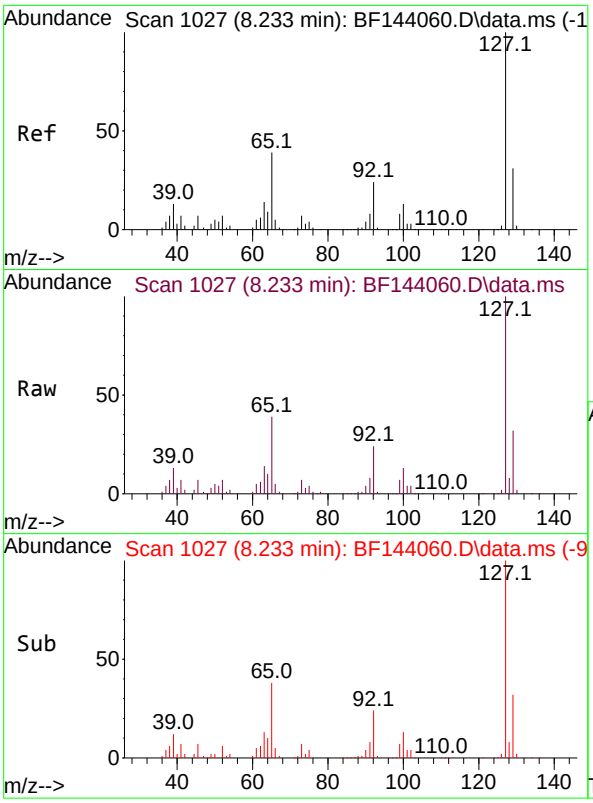


#32
Benzoic acid
Concen: 33.628 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:122 Resp: 51883

Ion	Ratio	Lower	Upper
122	100		
105	131.3	111.3	151.3
77	116.7	96.7	136.7



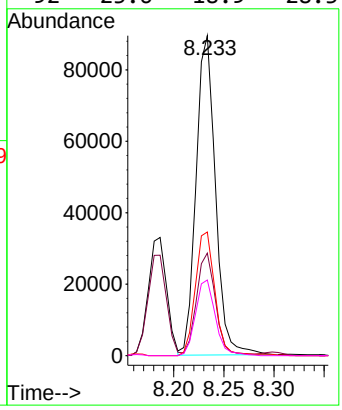


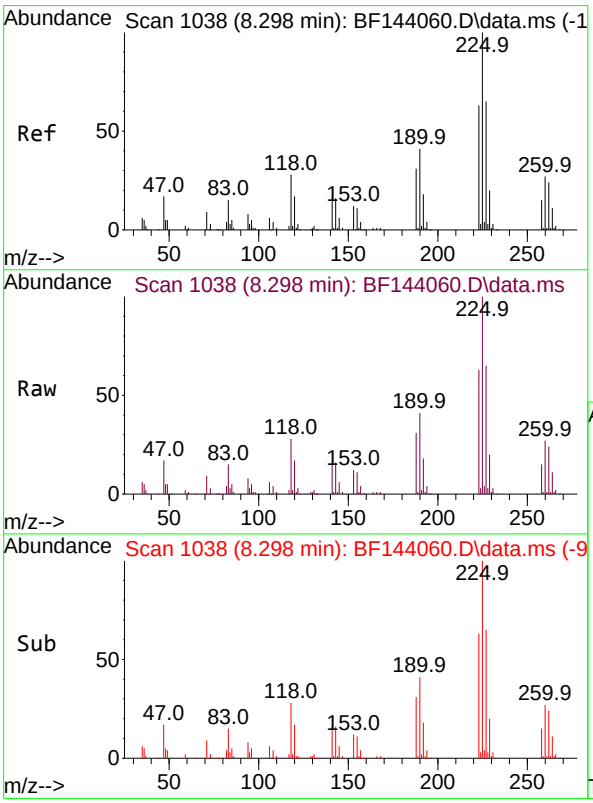
#33
4-Chloroaniline
Concen: 40.949 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 119889

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

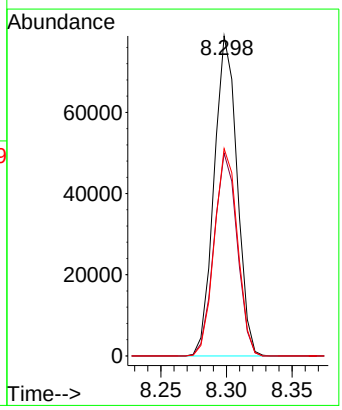


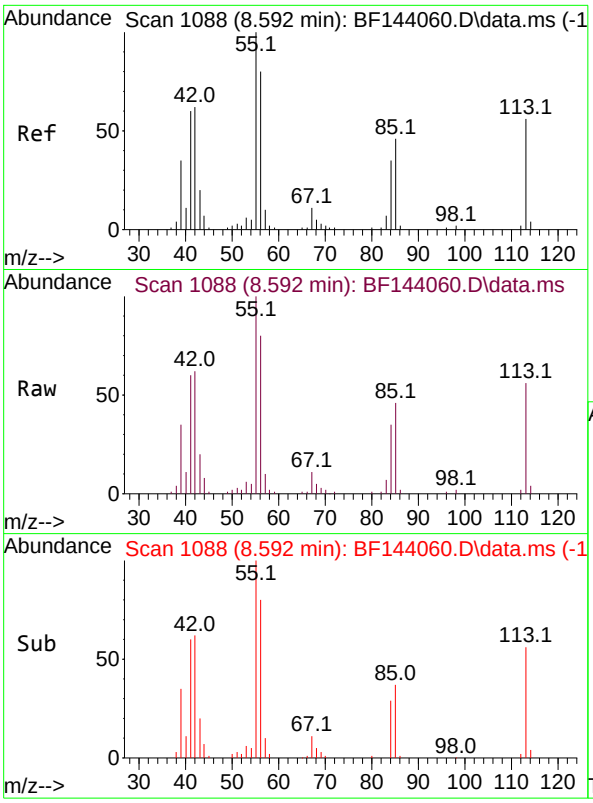


#34
Hexachlorobutadiene
Concen: 40.380 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:225 Resp: 96082

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.8	51.8	77.8



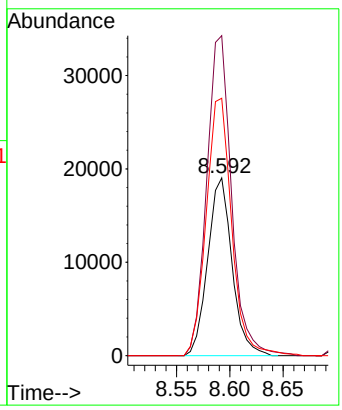


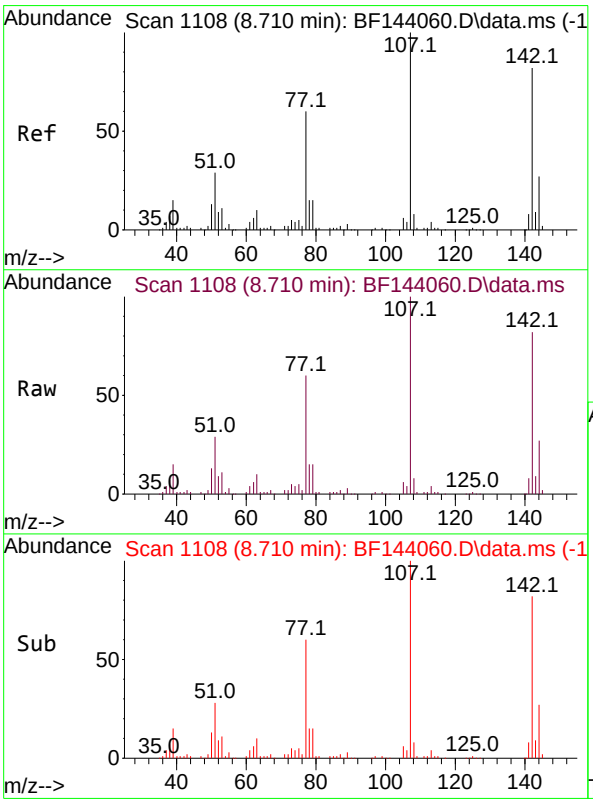
#35
Caprolactam
Concen: 42.585 ng
RT: 8.592 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 30206

Ion	Ratio	Lower	Upper
113	100		
55	180.1	160.1	200.1
56	144.9	124.9	164.9

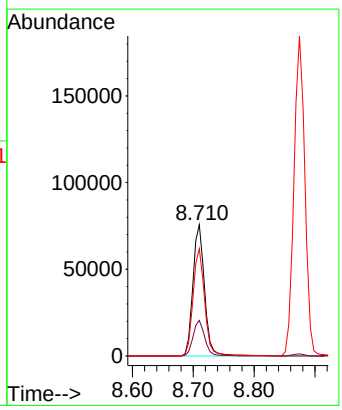


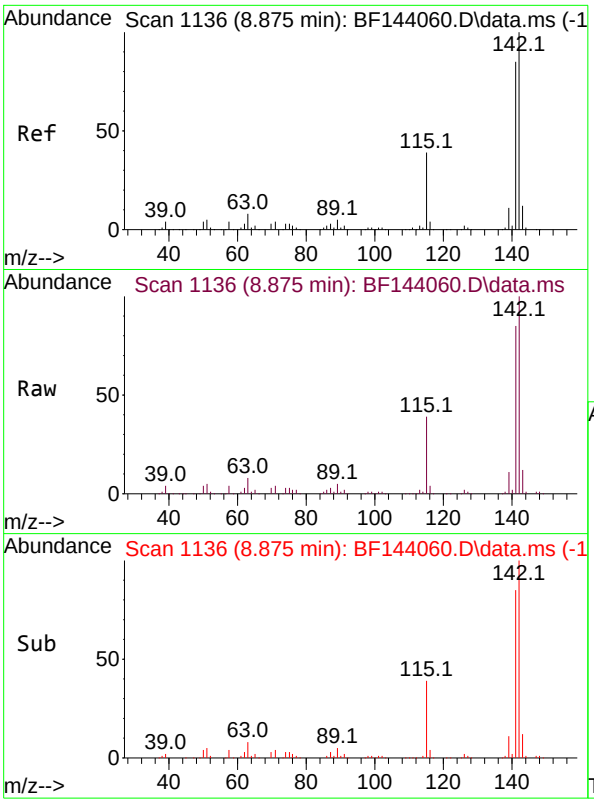


#36
4-Chloro-3-methylphenol
Concen: 40.234 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:107 Resp: 100429

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.6	32.4
142	81.7	65.4	98.0



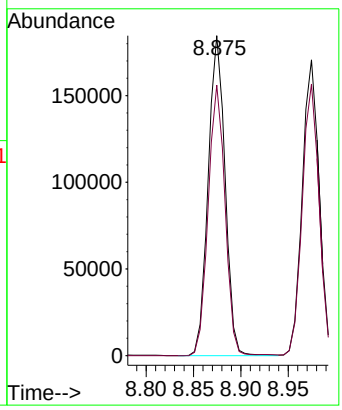


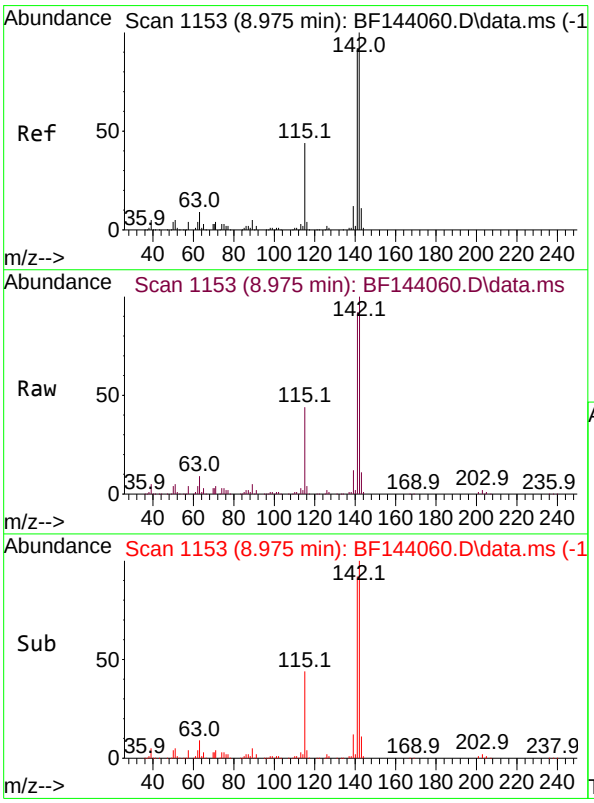
#37
2-Methylnaphthalene
Concen: 41.362 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 229345

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4

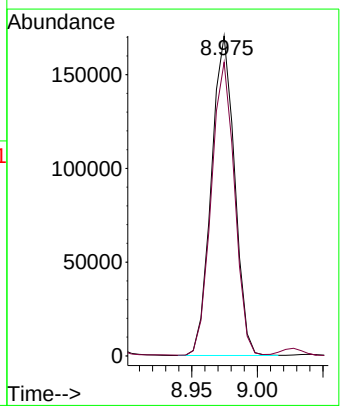


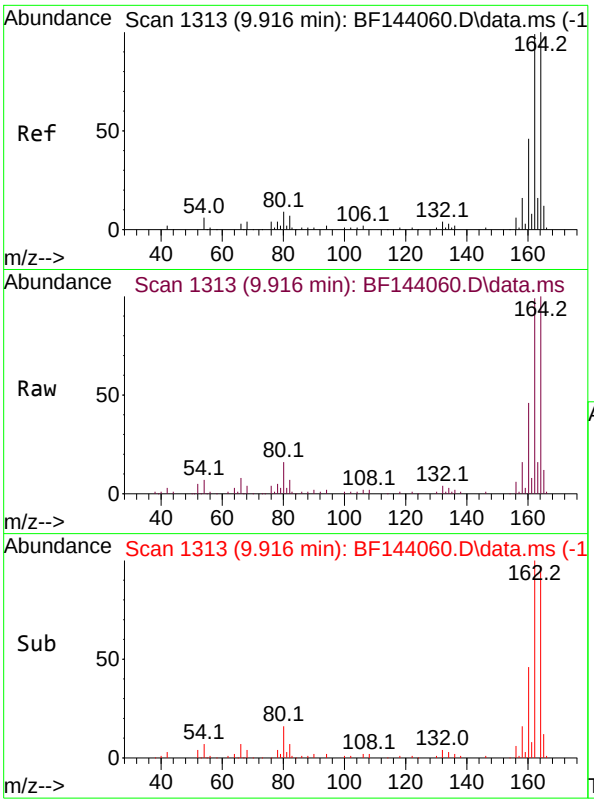


#38
1-Methylnaphthalene
Concen: 40.062 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:142 Resp: 210460

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2



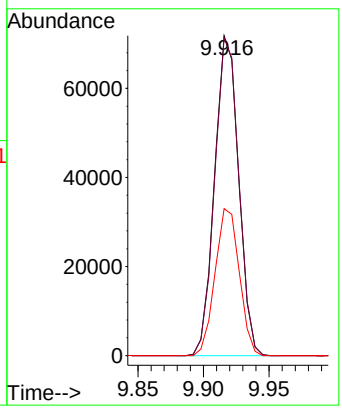


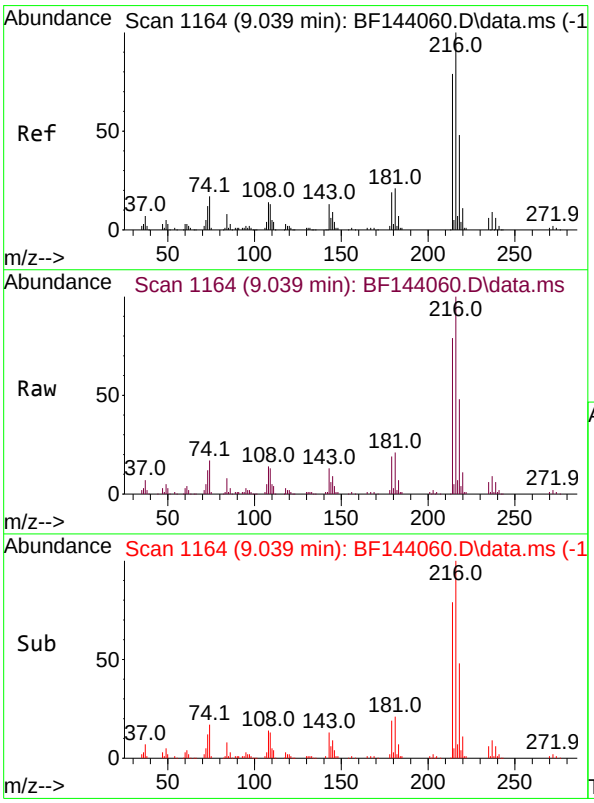
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 91554

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.2
160	45.9	36.7	55.1

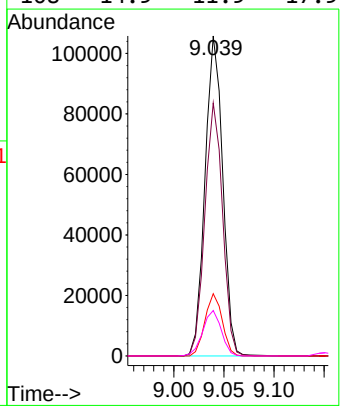


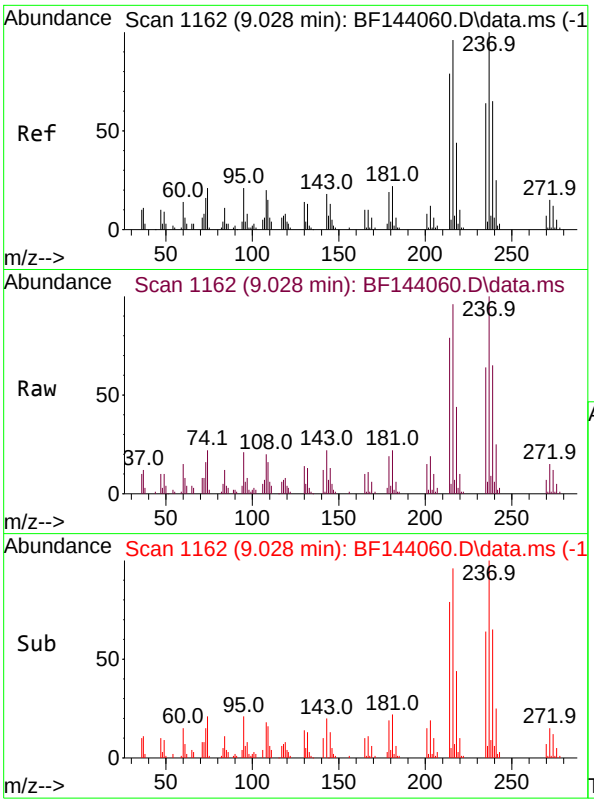


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.130 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:216 Resp: 129417

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	19.0	15.2	22.8
108	14.9	11.9	17.9



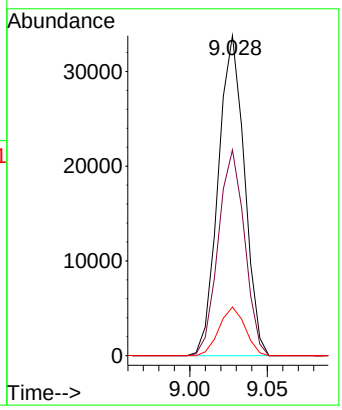


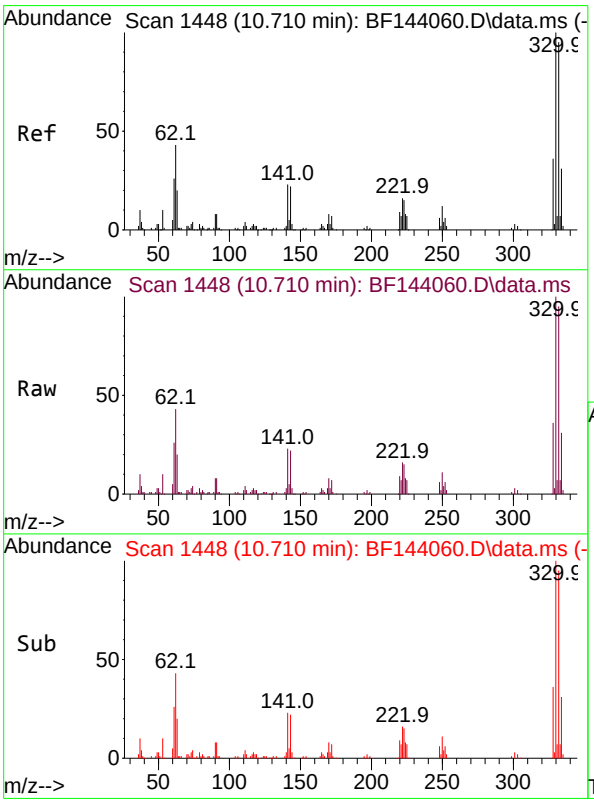
#41
Hexachlorocyclopentadiene
Concen: 41.012 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 39857

Ion	Ratio	Lower	Upper
237	100		
235	64.3	44.3	84.3
272	15.2	0.0	35.2

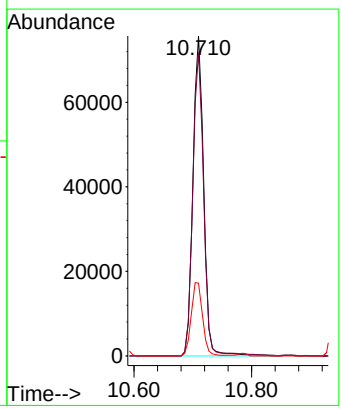


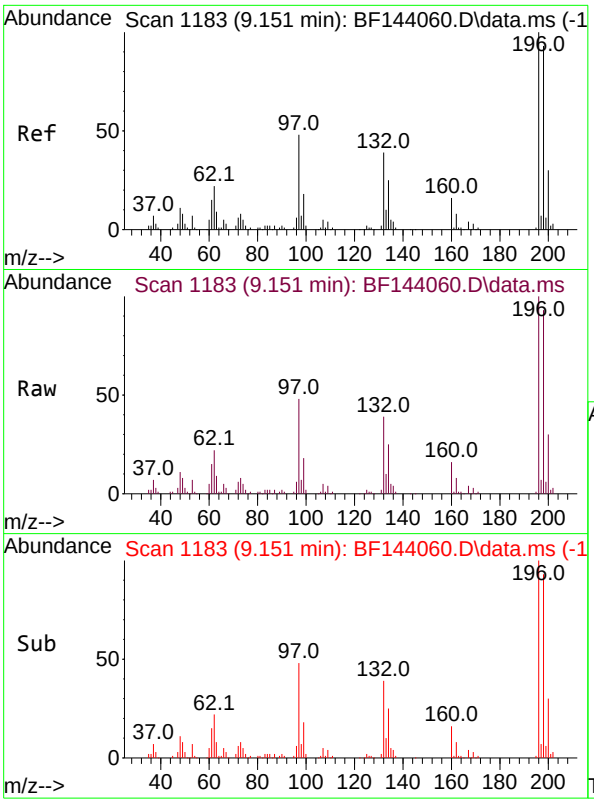


#42
2,4,6-Tribromophenol
Concen: 82.238 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:330 Resp: 95908

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	24.2	19.4	29.0



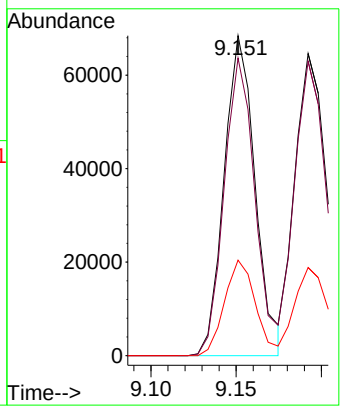


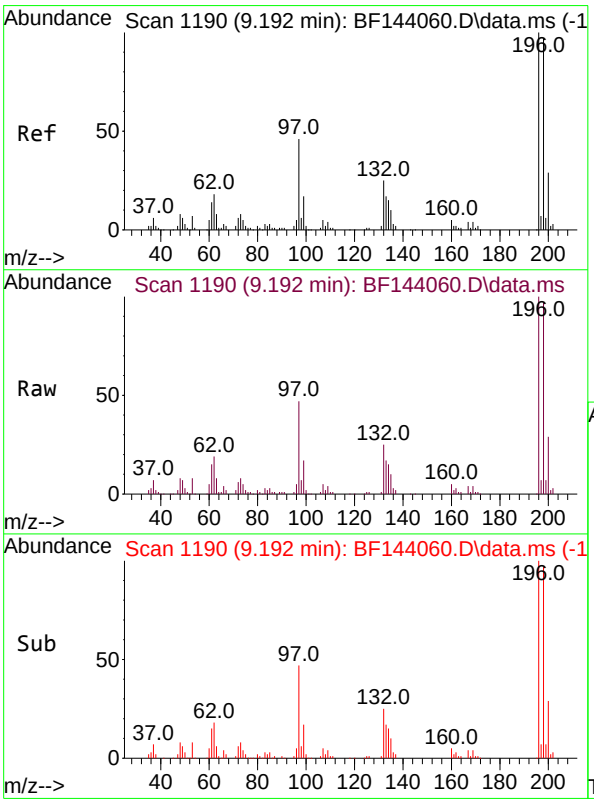
#43
2,4,6-Trichlorophenol
Concen: 42.346 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 86607

Ion	Ratio	Lower	Upper
196	100		
198	93.0	74.4	111.6
200	29.8	23.8	35.8

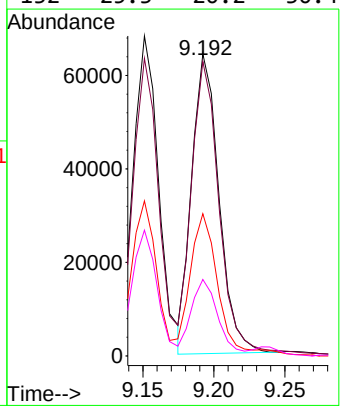


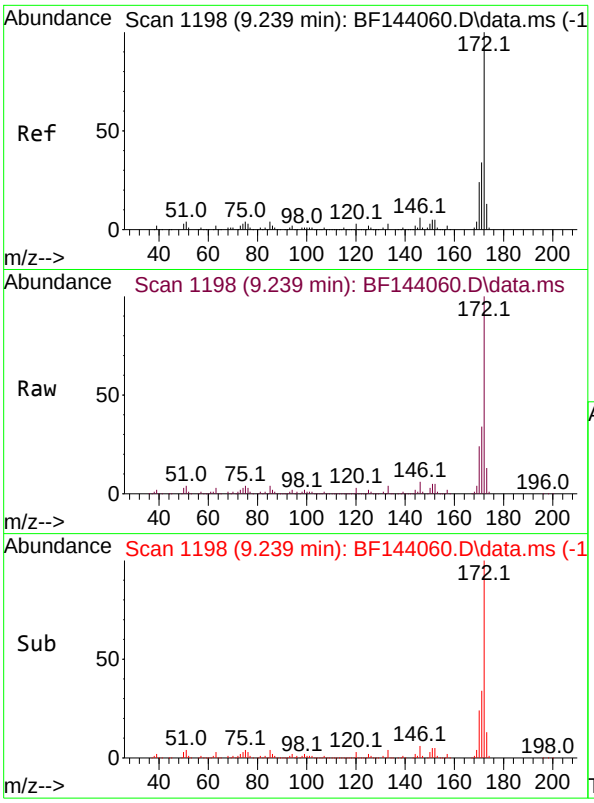


#44
2,4,5-Trichlorophenol
Concen: 39.842 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:196 Resp: 85520

Ion	Ratio	Lower	Upper
196	100		
198	97.5	78.0	117.0
97	47.1	37.7	56.5
132	25.3	20.2	30.4



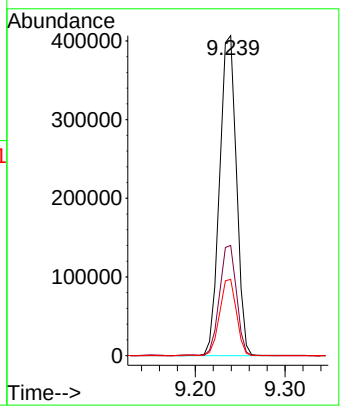


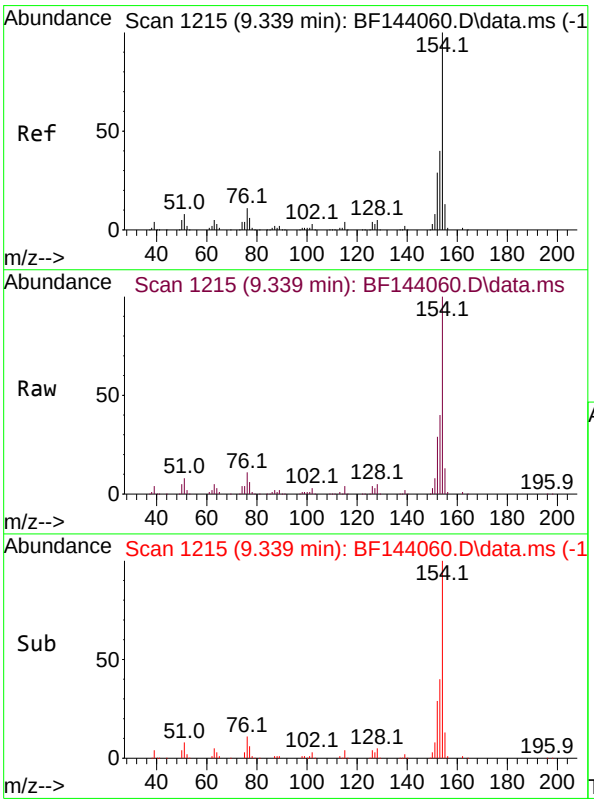
#45
2-Fluorobiphenyl
Concen: 81.692 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 531491

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	23.8	19.0	28.6

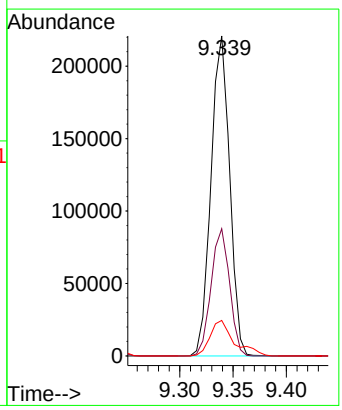


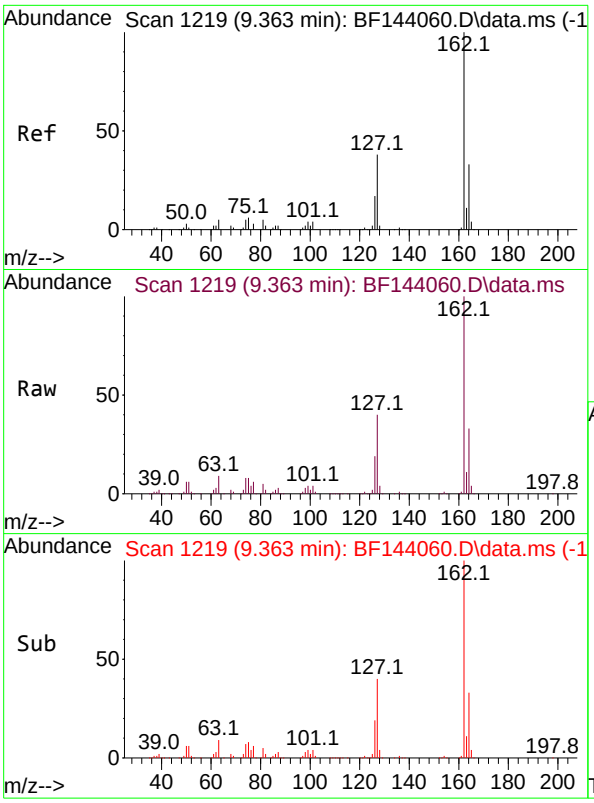


#46
1,1'-Biphenyl
Concen: 41.129 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:154 Resp: 269550

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.7	59.7
76	11.1	0.0	31.1



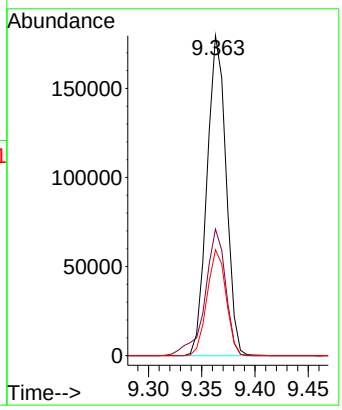


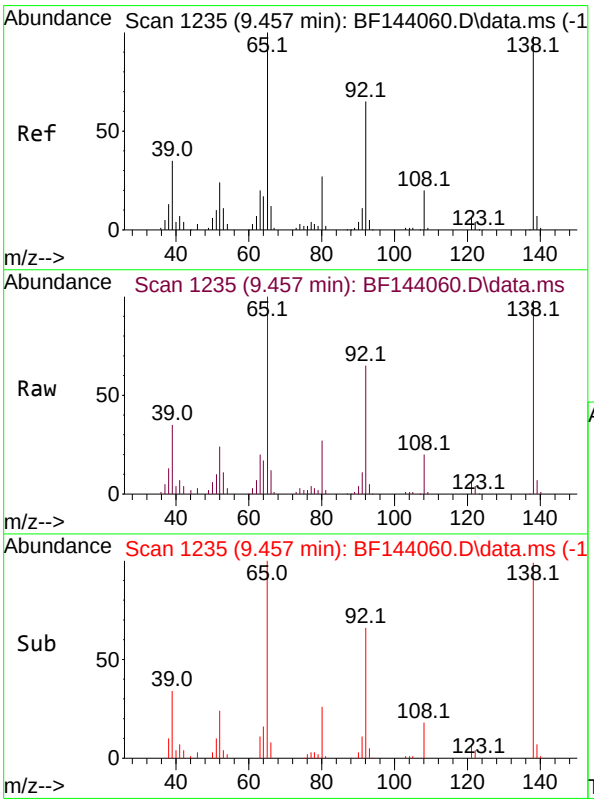
#47
2-Chloronaphthalene
Concen: 40.753 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 223762

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.6	47.4
164	33.1	26.5	39.7

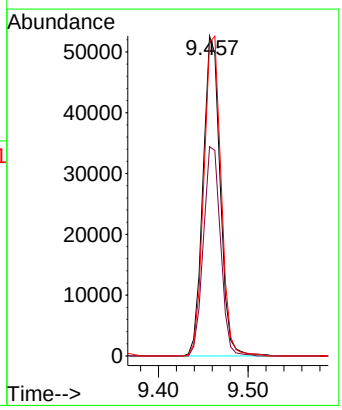


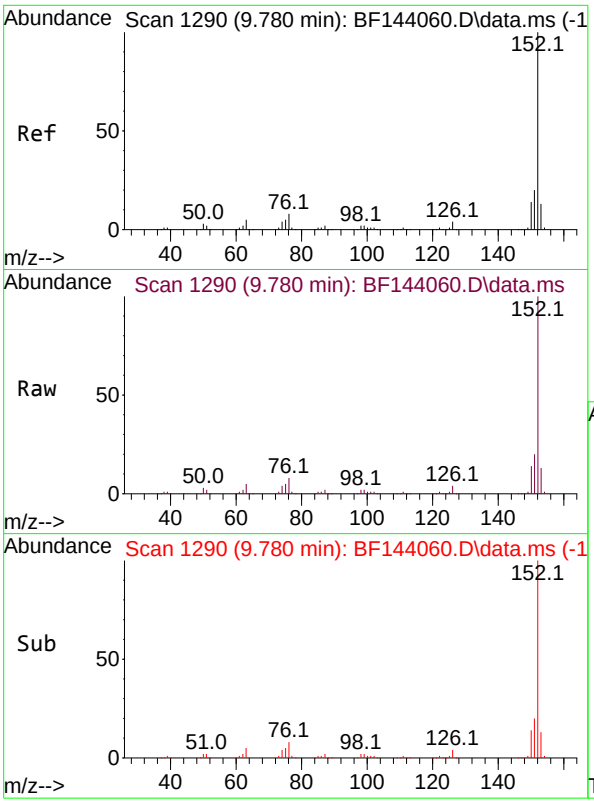


#48
2-Nitroaniline
Concen: 42.711 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 65 Resp: 69638

Ion	Ratio	Lower	Upper
65	100		
92	65.4	52.3	78.5
138	97.9	78.3	117.5



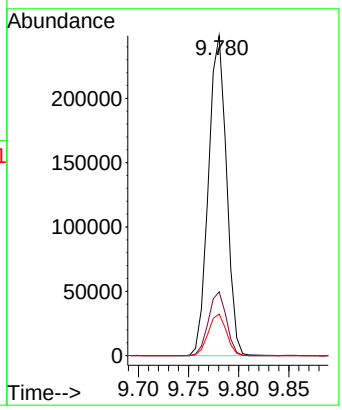


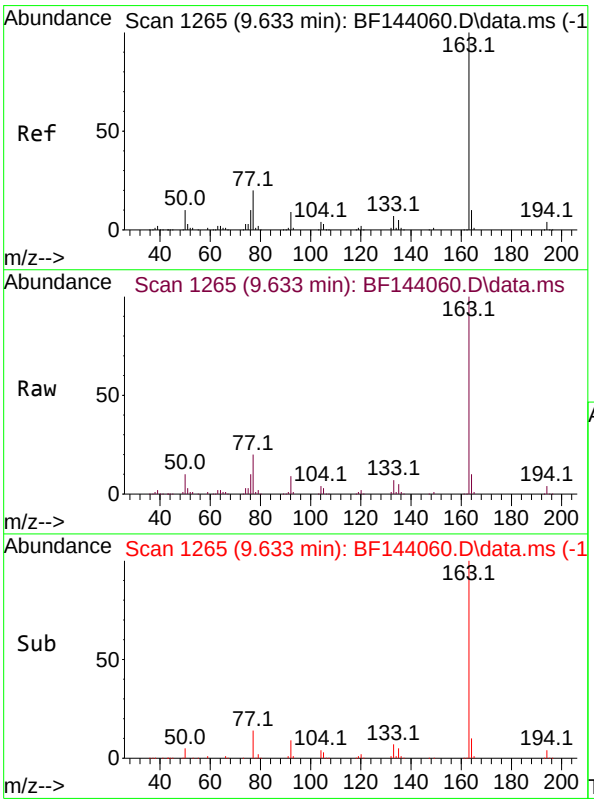
#49
Acenaphthylene
Concen: 42.112 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 311770

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.4	15.6

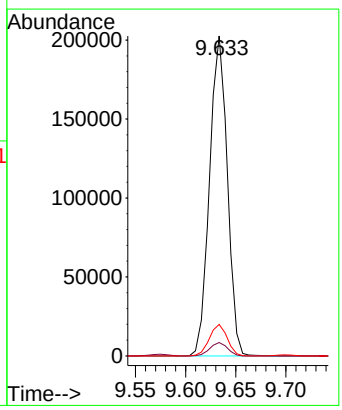


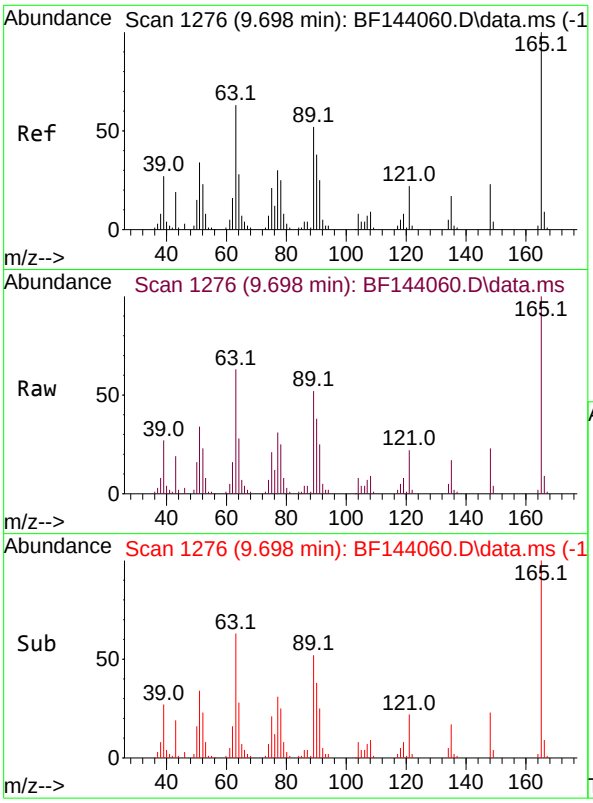


#50
Dimethylphthalate
Concen: 41.666 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:163 Resp: 250045

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.8	7.8	11.8



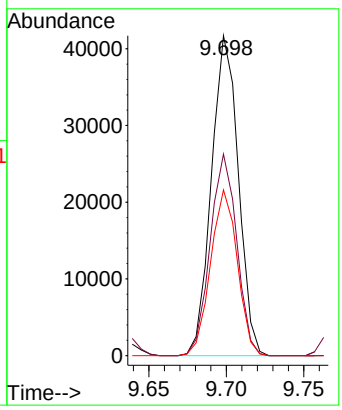


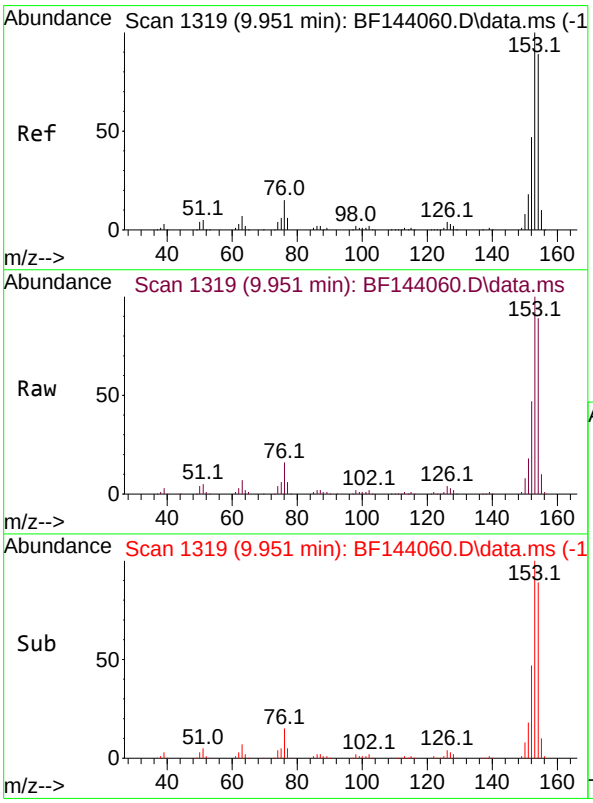
#51
2,6-Dinitrotoluene
Concen: 42.535 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 50463

Ion	Ratio	Lower	Upper
165	100		
63	63.0	50.4	75.6
89	51.8	41.4	62.2

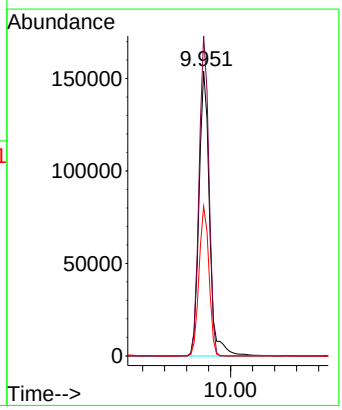


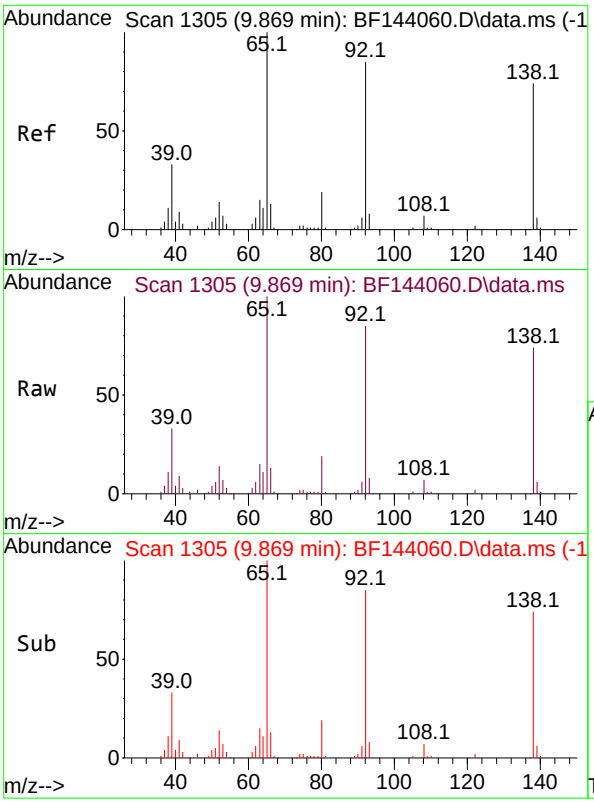


#52
Acenaphthene
Concen: 41.240 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:154 Resp: 203905

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.9	134.9
152	52.5	42.0	63.0



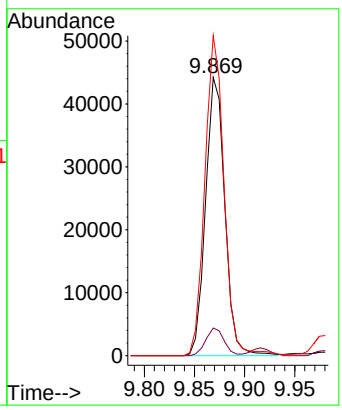


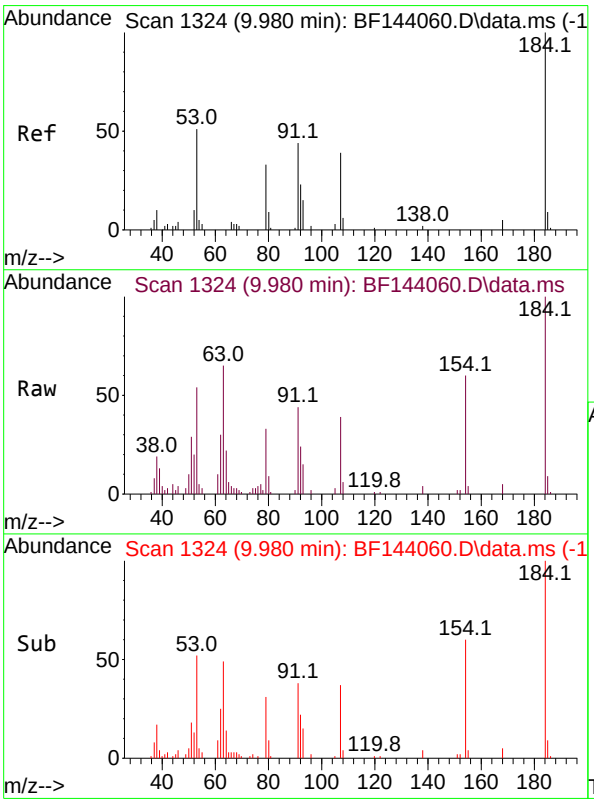
#53
3-Nitroaniline
Concen: 44.713 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 58978

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	115.0	92.0	138.0

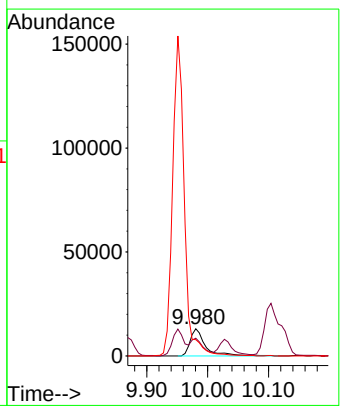


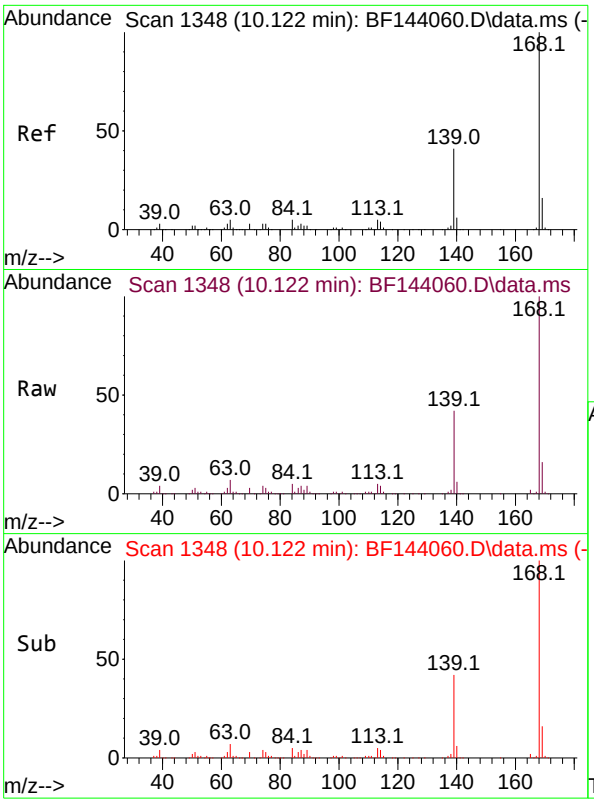


#54
2,4-Dinitrophenol
Concen: 35.283 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:184 Resp: 22640

Ion	Ratio	Lower	Upper
184	100		
63	65.1	52.1	78.1
154	59.9	47.9	71.9



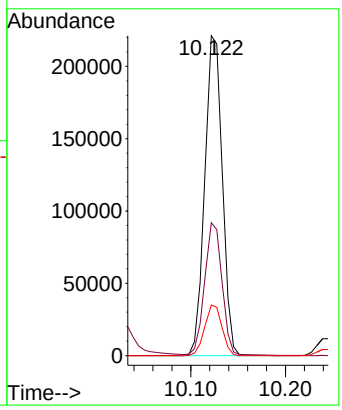


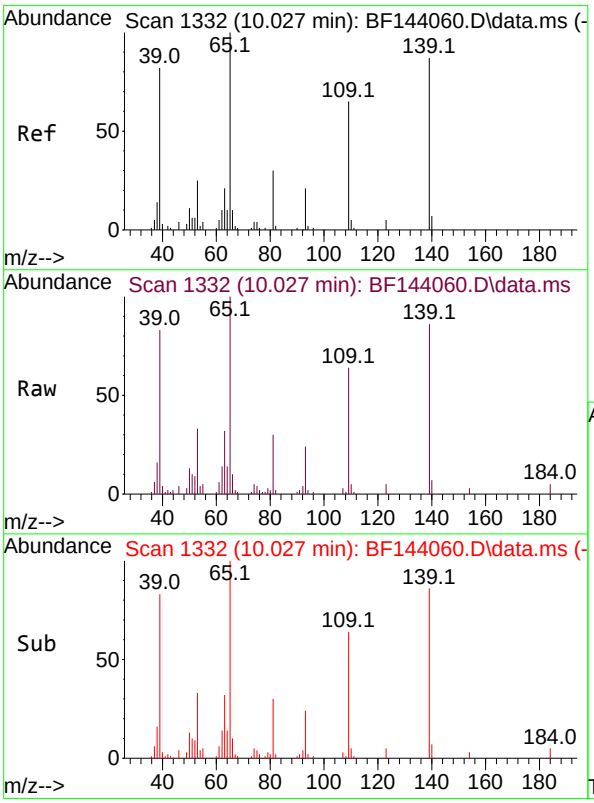
#55
Dibenzofuran
Concen: 41.592 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 285490

Ion	Ratio	Lower	Upper
168	100		
139	41.5	33.2	49.8
169	15.8	12.6	19.0

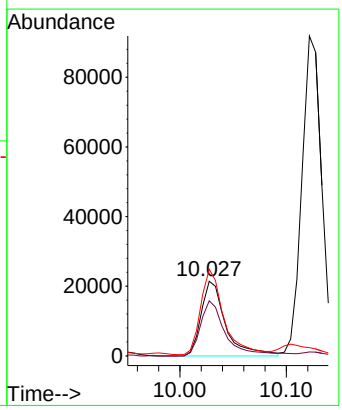


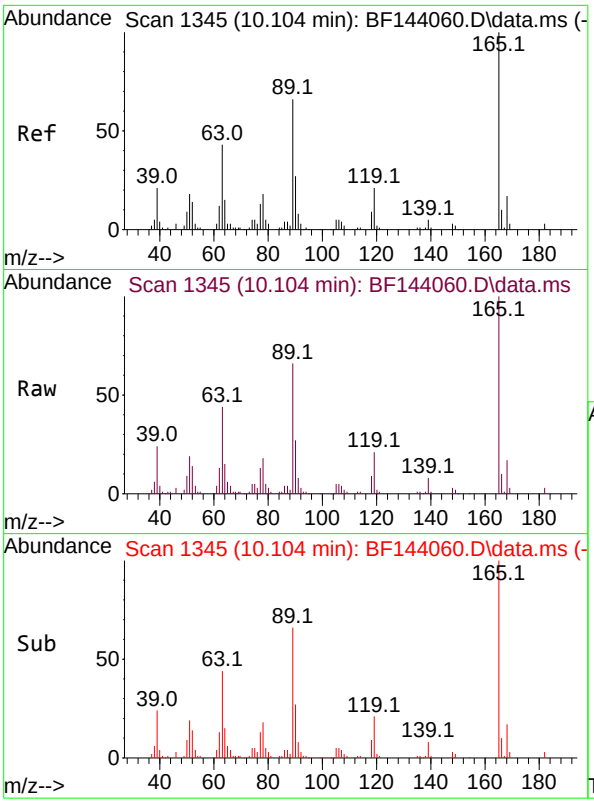


#56
4-Nitrophenol
Concen: 38.279 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:139 Resp: 34191

Ion	Ratio	Lower	Upper
139	100		
109	73.8	53.8	93.8
65	115.9	95.9	135.9



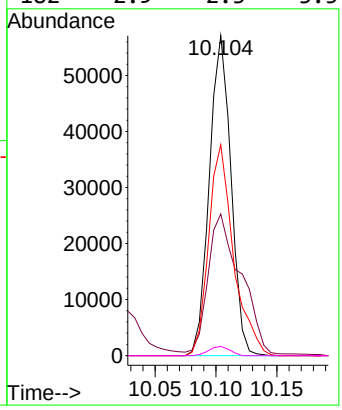


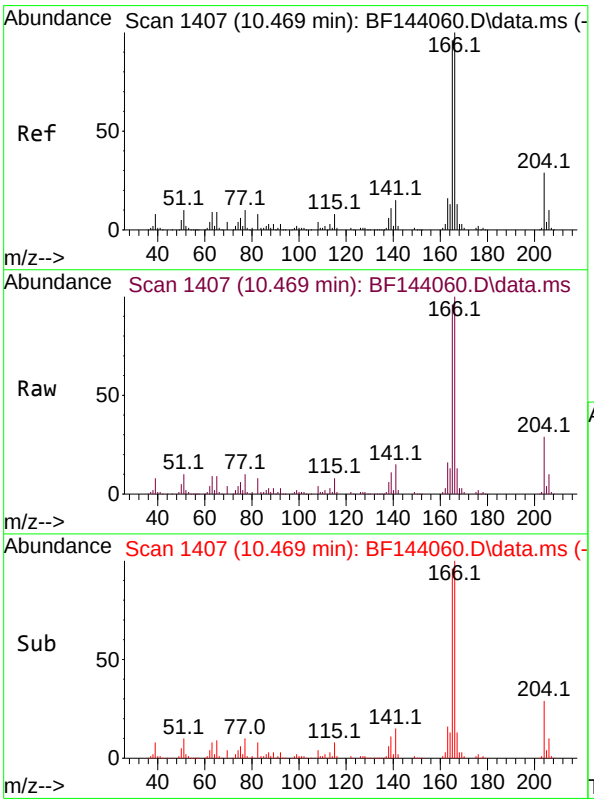
#57
2,4-Dinitrotoluene
Concen: 44.075 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 70572

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

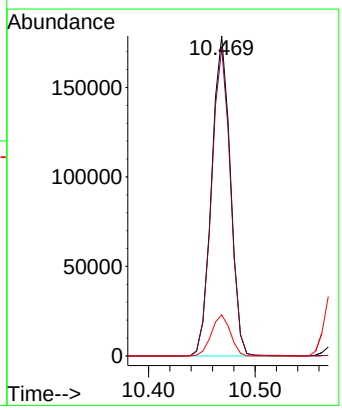


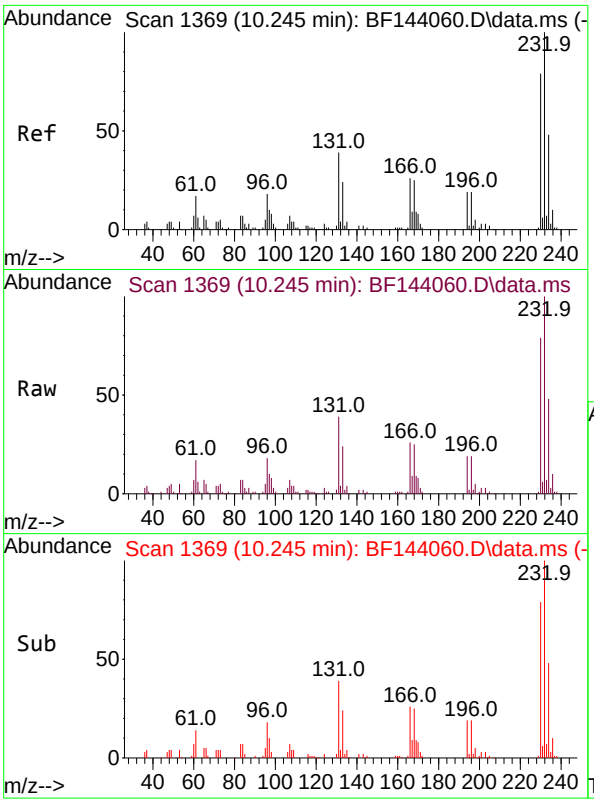


#58
Fluorene
Concen: 41.604 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:166 Resp: 217594

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.0	115.4
167	12.8	10.2	15.4



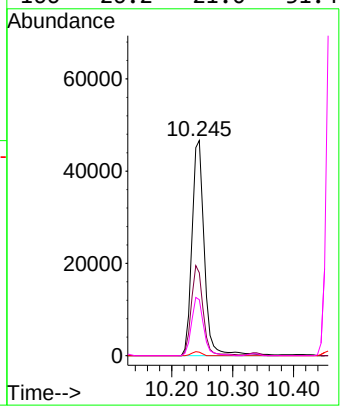


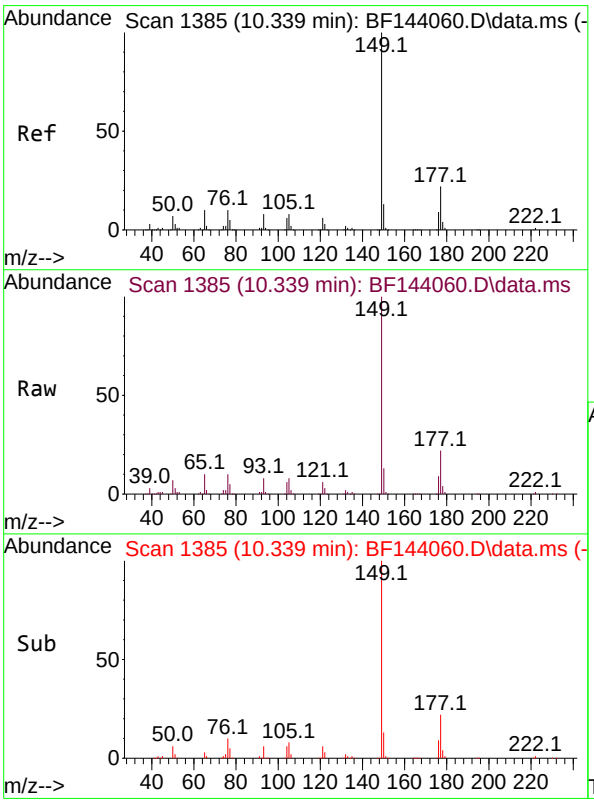
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.585 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 65926

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

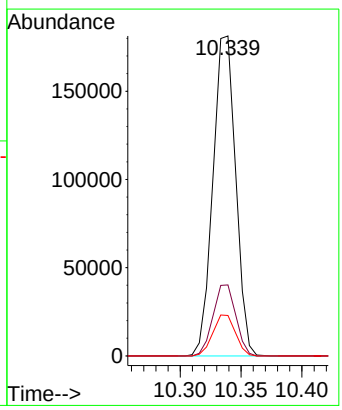


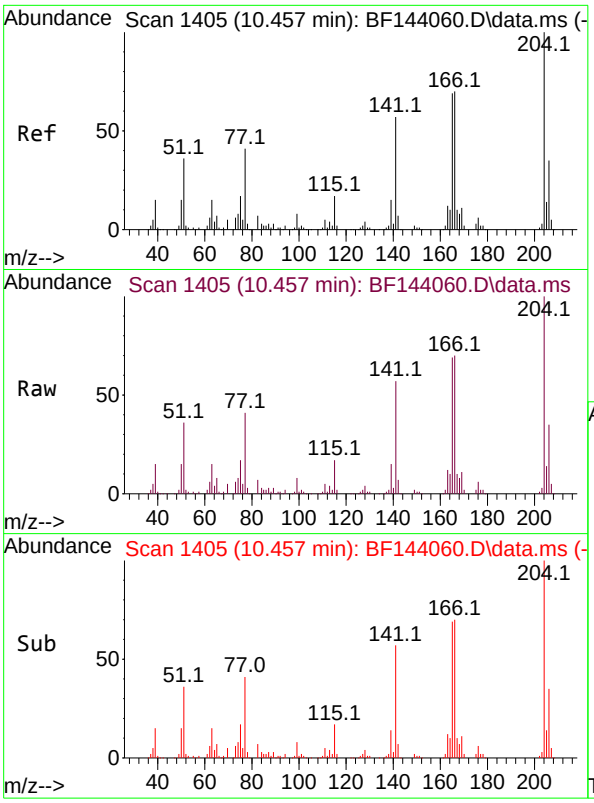


#60
Diethylphthalate
Concen: 41.838 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 236119

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.6	10.1	15.1



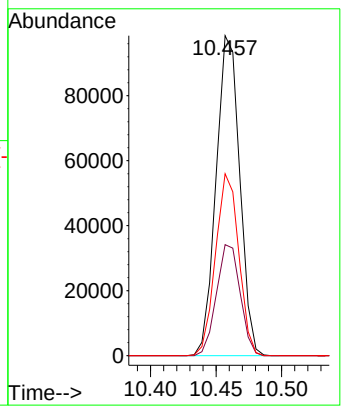


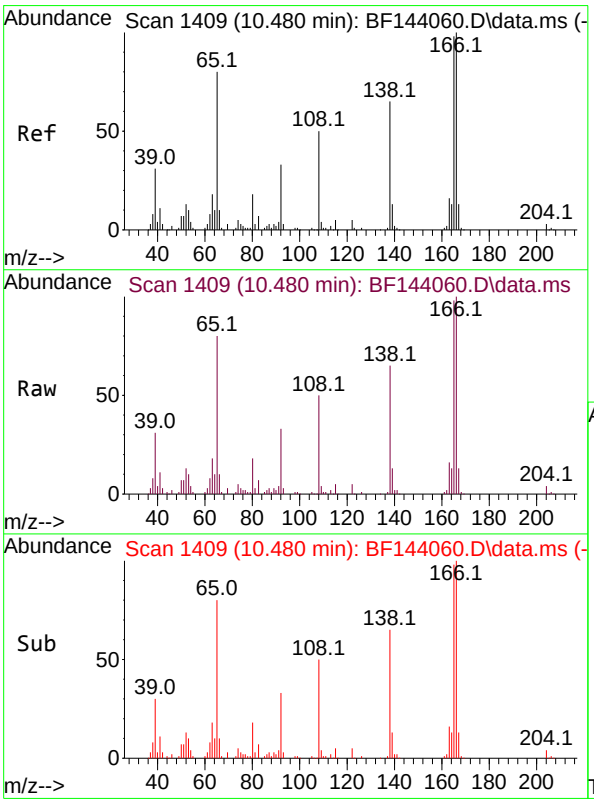
#61
4-Chlorophenyl-phenylether
Concen: 42.022 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 123596

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

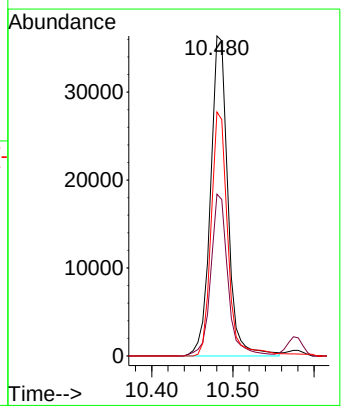


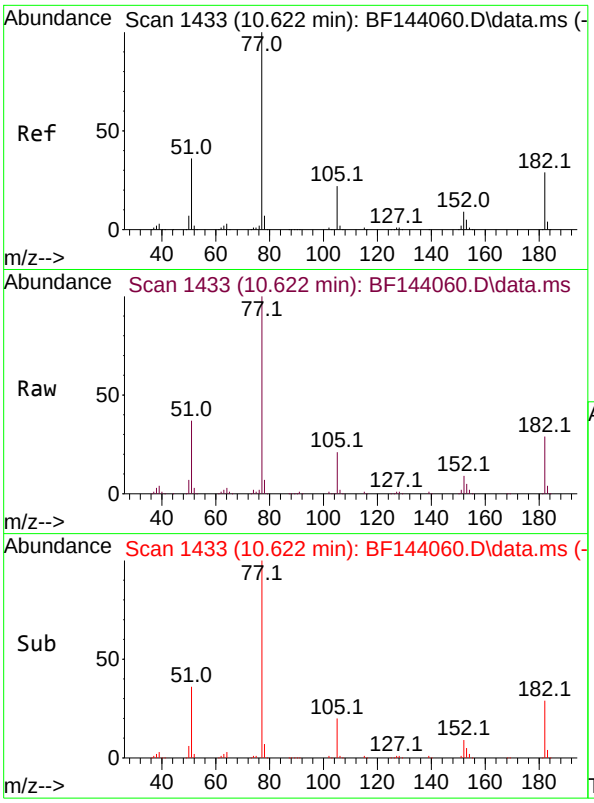


#62
4-Nitroaniline
Concen: 43.392 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:138 Resp: 54231

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



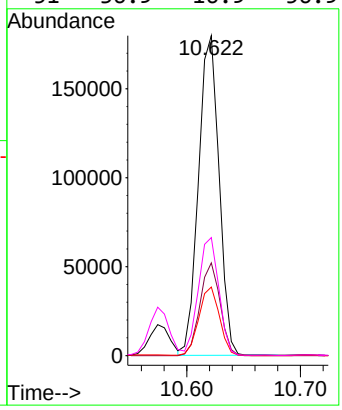


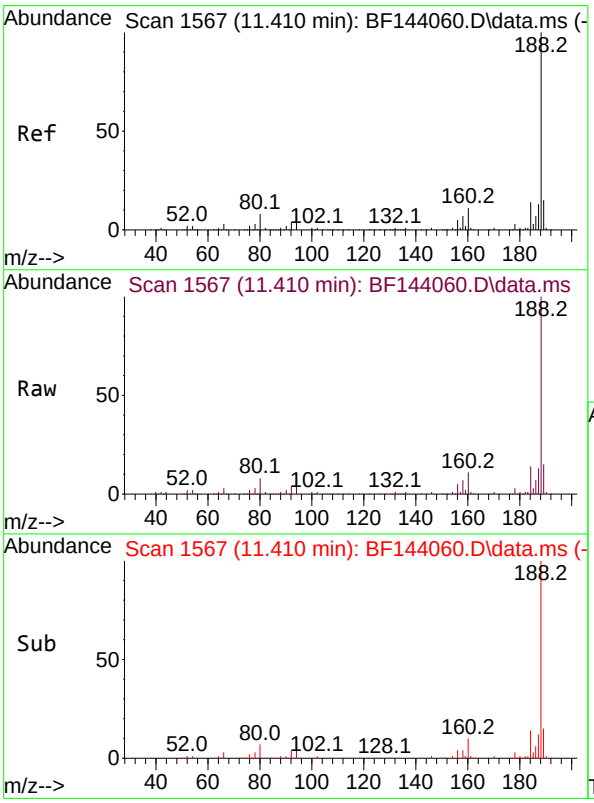
#63
Azobenzene
Concen: 42.381 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 226383

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

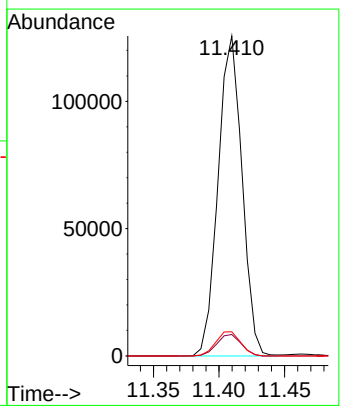


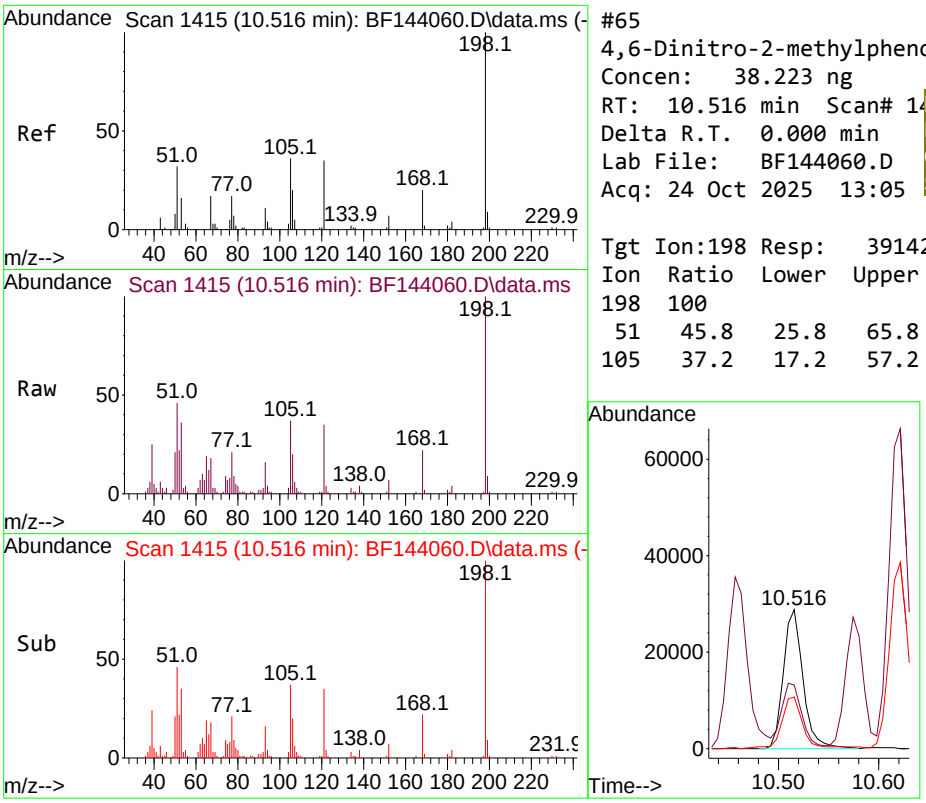


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:188 Resp: 159613

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



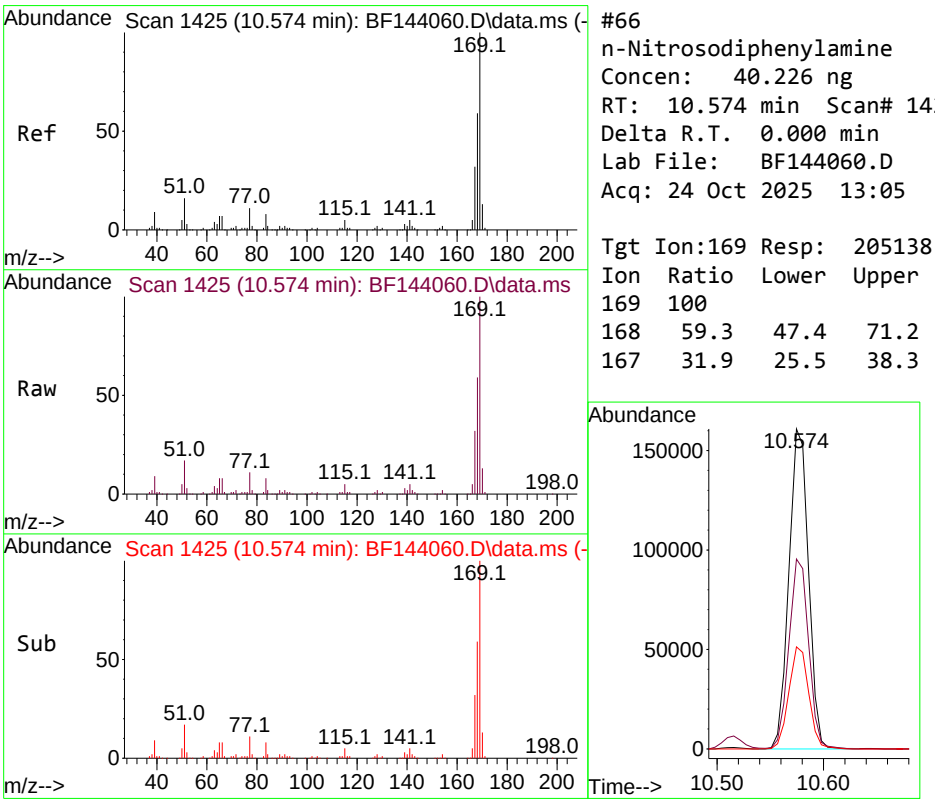


#65
4,6-Dinitro-2-methylphenol
Concen: 38.223 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 39142

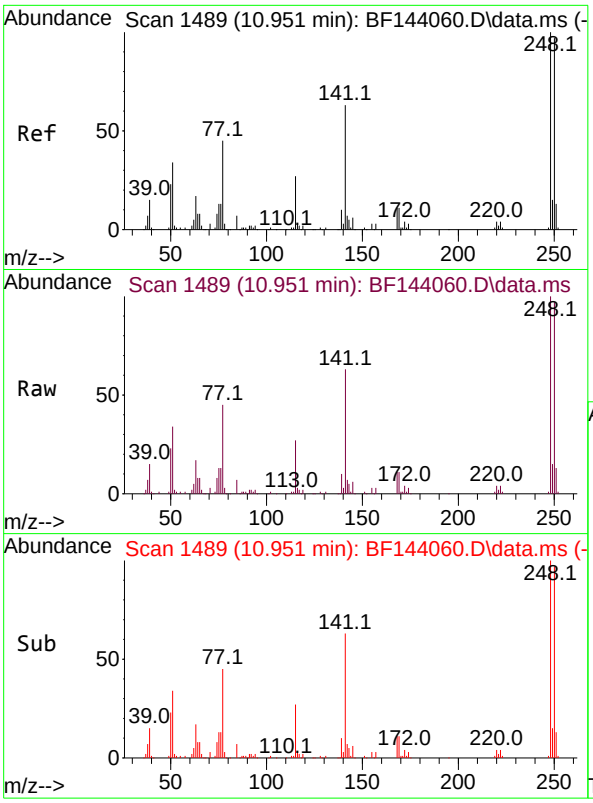
Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.8	65.8
105	37.2	17.2	57.2



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

Tgt Ion:169 Resp: 205138

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

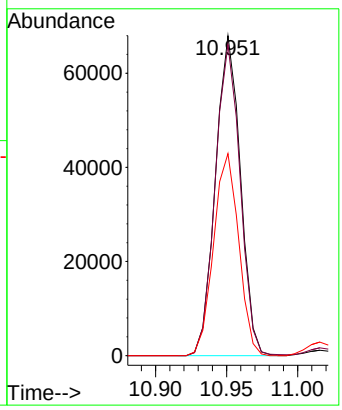


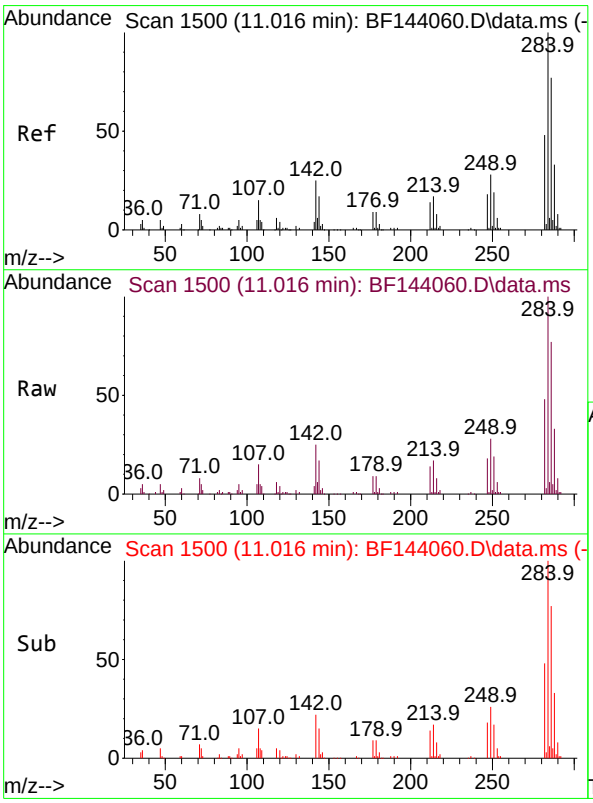
#67
4-Bromophenyl-phenylether
Concen: 41.585 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 83105

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	63.1	50.5	75.7

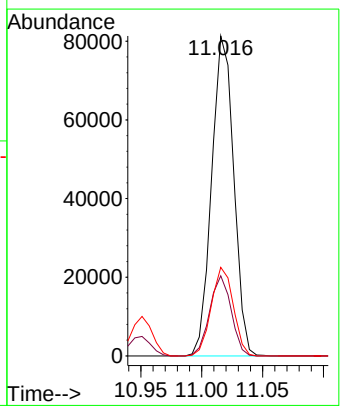


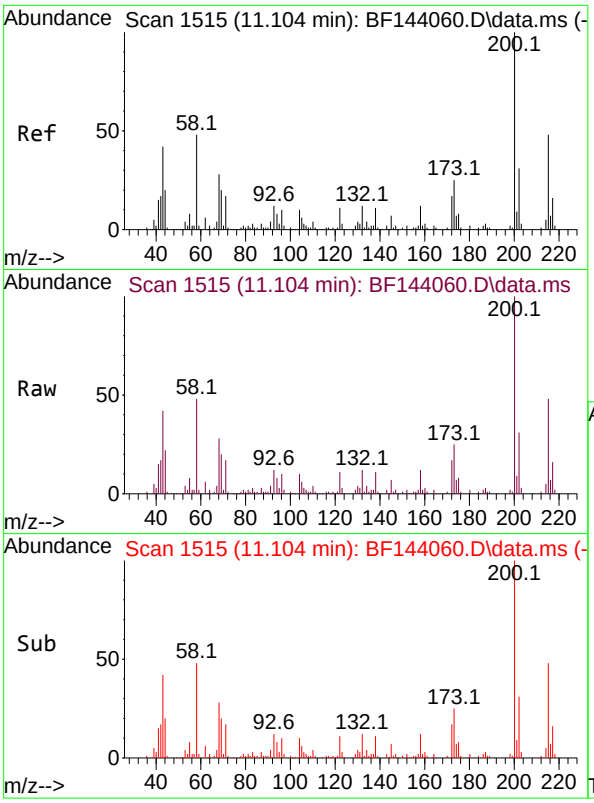


#68
Hexachlorobenzene
Concen: 41.869 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:284 Resp: 102619

Ion	Ratio	Lower	Upper
284	100		
142	25.0	20.0	30.0
249	27.7	22.2	33.2



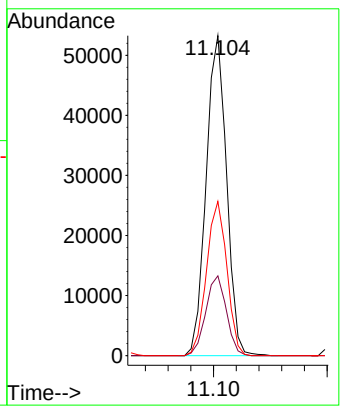


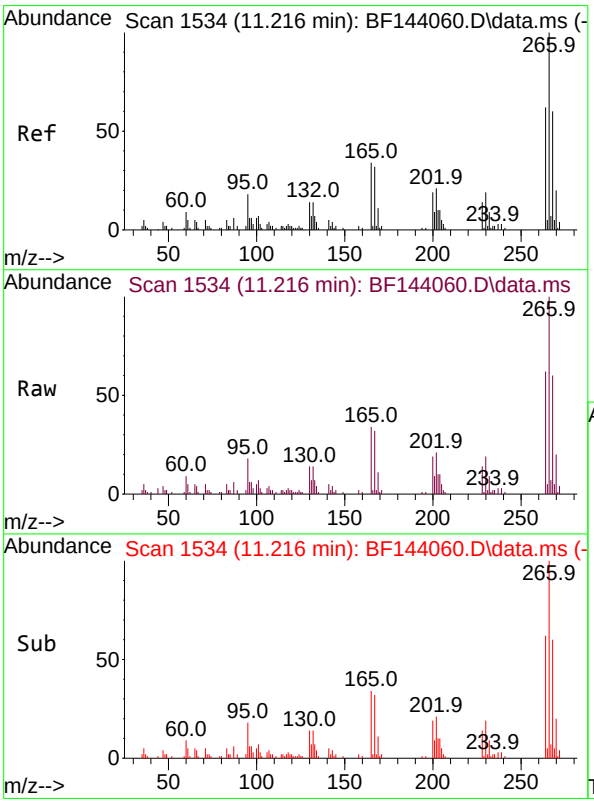
#69
Atrazine
Concen: 39.753 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 66524

Ion	Ratio	Lower	Upper
200	100		
173	24.9	4.9	44.9
215	48.2	28.2	68.2

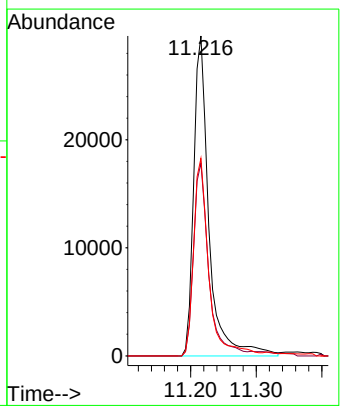


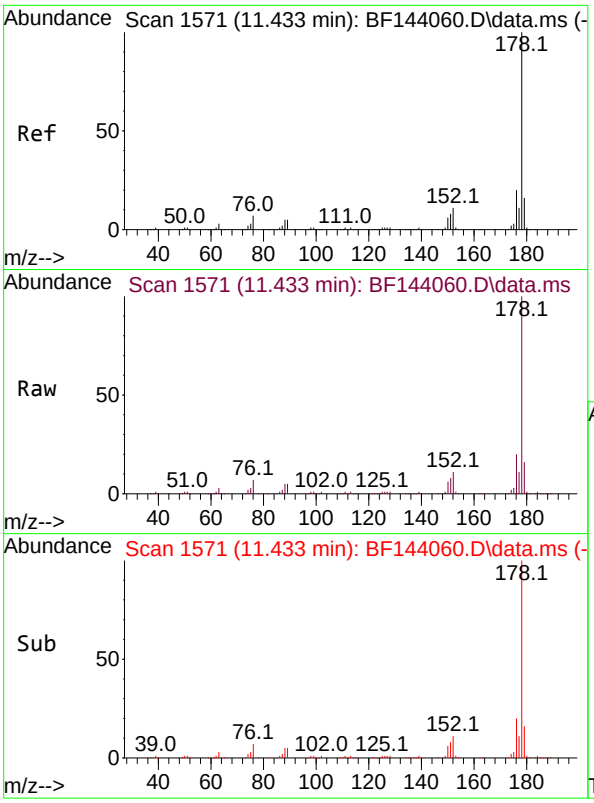


#70
Pentachlorophenol
Concen: 40.953 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:266 Resp: 47778

Ion	Ratio	Lower	Upper
266	100		
268	60.3	48.2	72.4
264	61.7	49.4	74.0



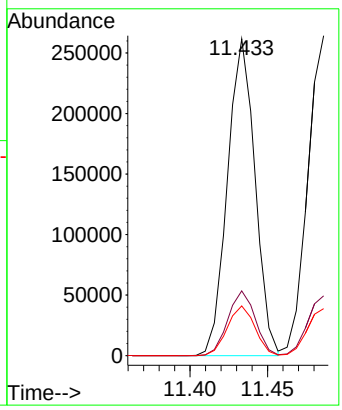


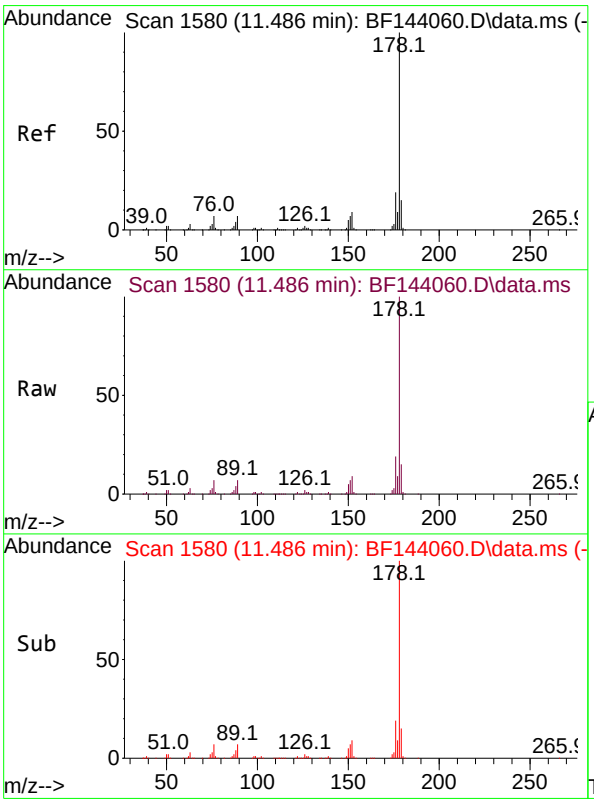
#71
Phenanthrene
Concen: 40.961 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 324774

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.3	24.5
179	15.7	12.6	18.8

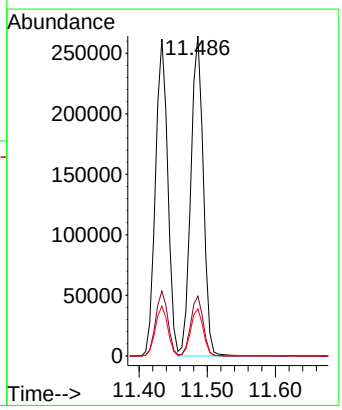


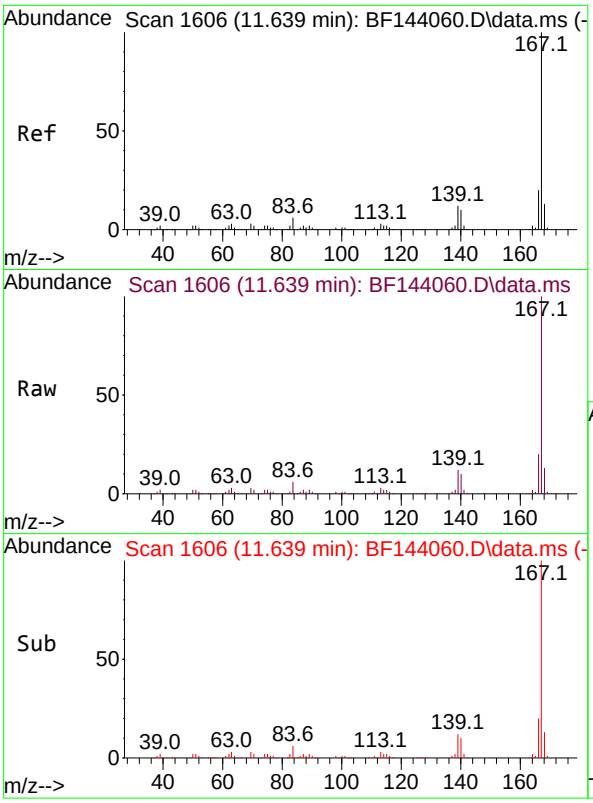


#72
Anthracene
Concen: 41.053 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:178 Resp: 336252

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	14.7	11.8	17.6



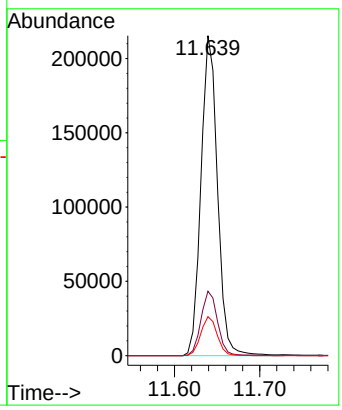


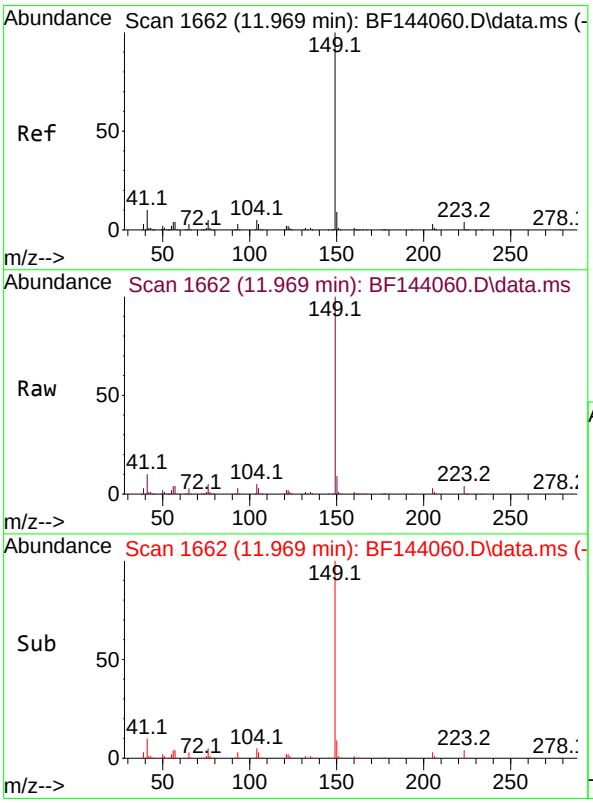
#73
Carbazole
Concen: 41.458 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 289029

Ion	Ratio	Lower	Upper
167	100		
166	20.1	16.1	24.1
139	12.2	9.8	14.6

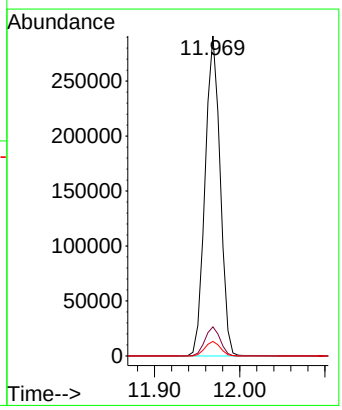


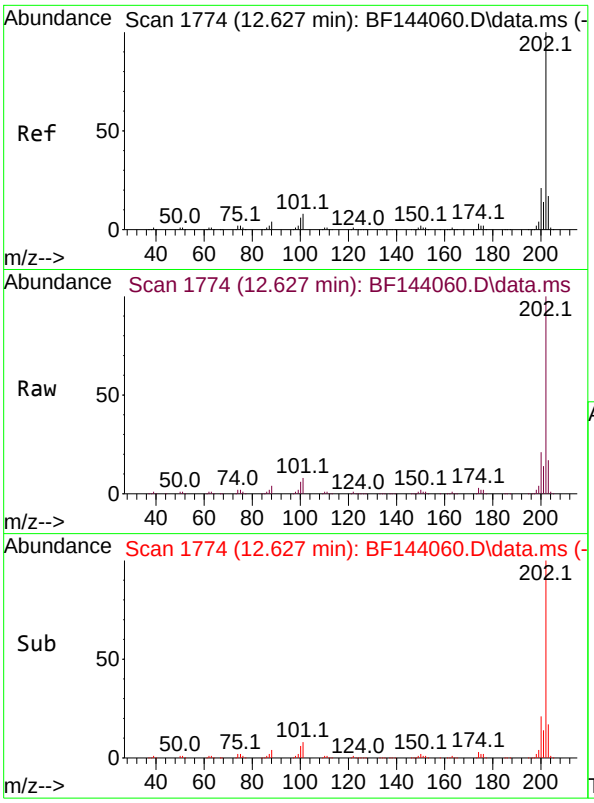


#74
Di-n-butylphthalate
Concen: 41.770 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 357025

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.6	5.4



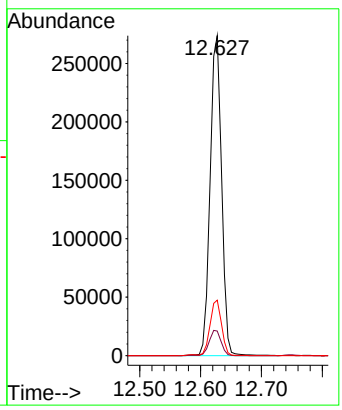


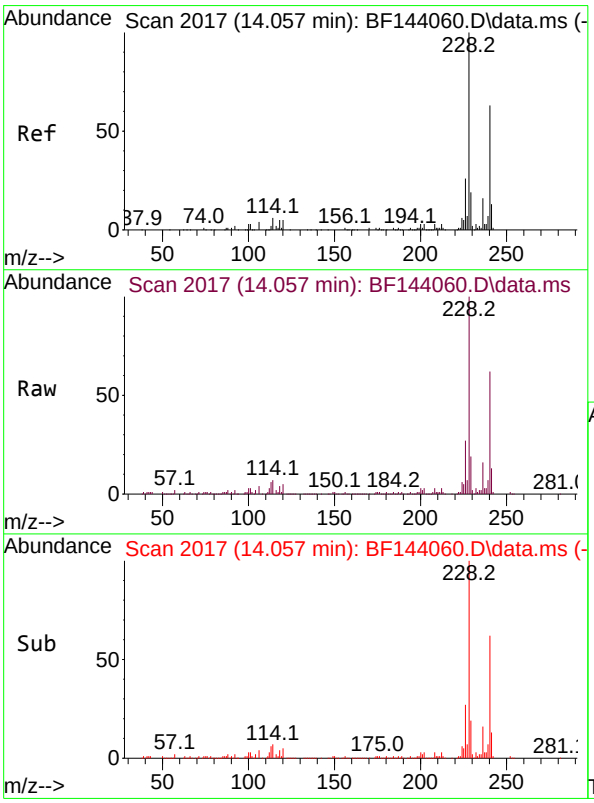
#75
Fluoranthene
Concen: 40.917 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 358431

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

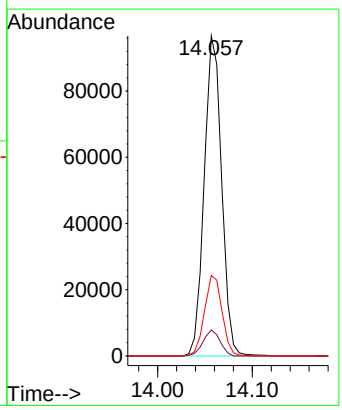


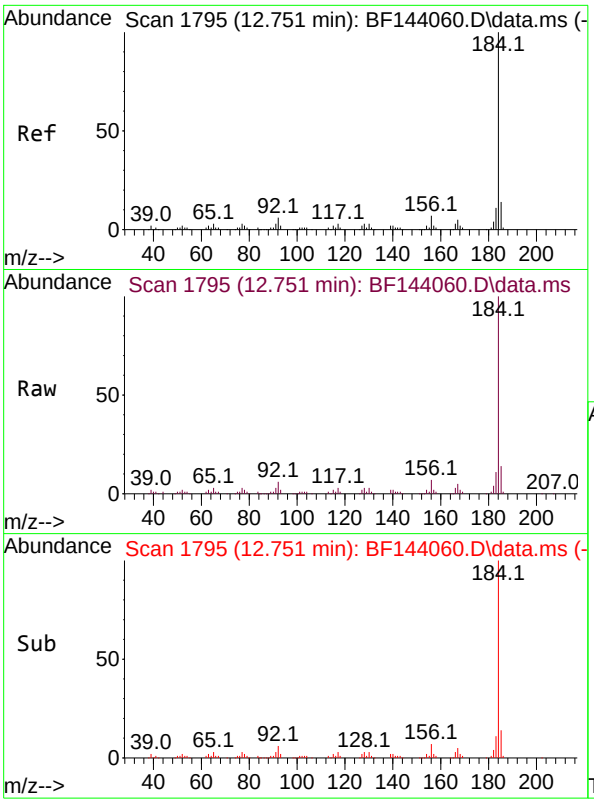


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:240 Resp: 123616

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



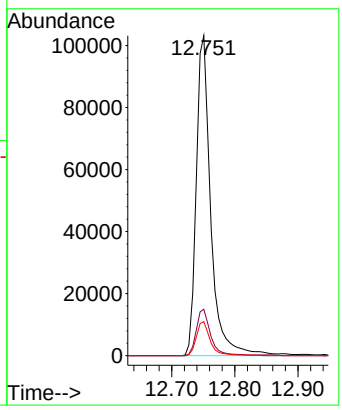


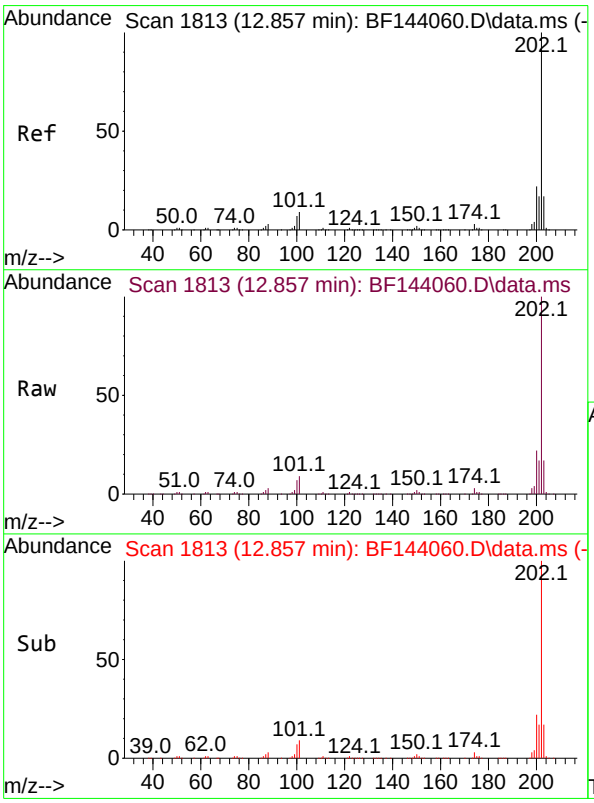
#77
Benzidine
Concen: 42.766 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 164527

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	10.6	8.5	12.7

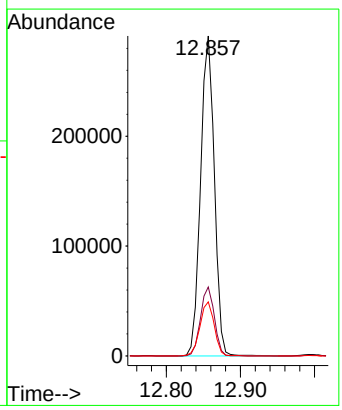


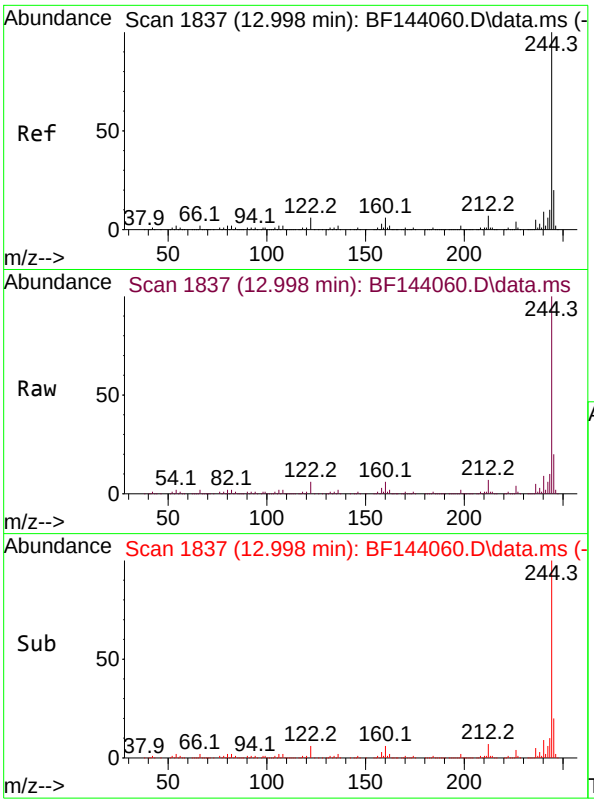


#78
Pyrene
Concen: 42.300 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:202 Resp: 375923

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	16.9	13.5	20.3



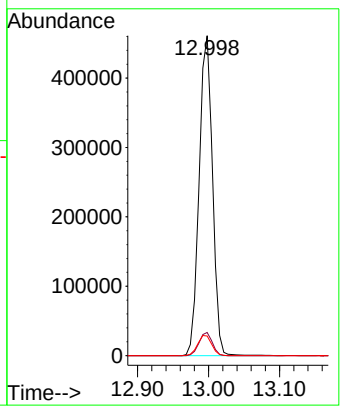


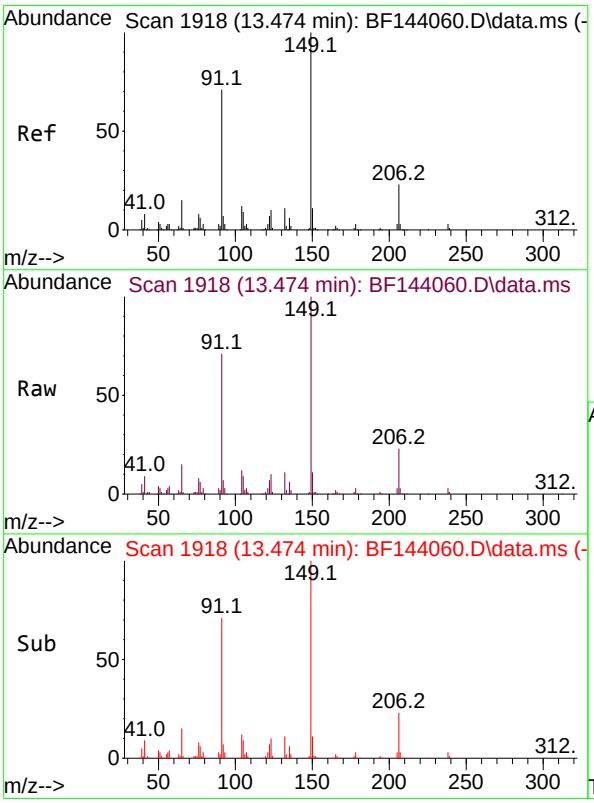
#79
Terphenyl-d14
Concen: 84.737 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 599175

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	6.1	4.9	7.3

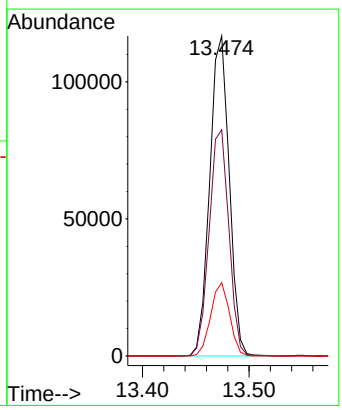


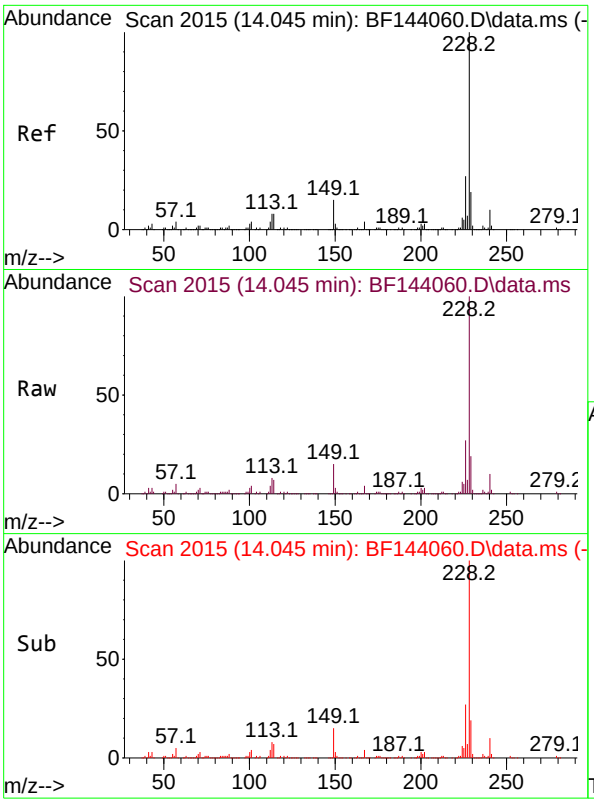


#80
Butylbenzylphthalate
Concen: 44.204 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 148621

Ion	Ratio	Lower	Upper
149	100		
91	70.7	56.6	84.8
206	22.9	18.3	27.5



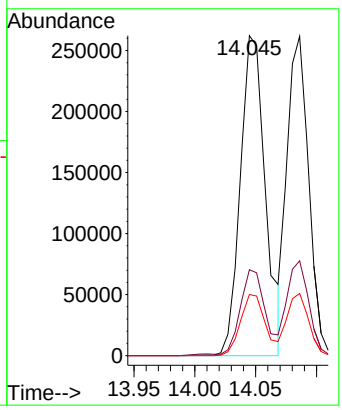


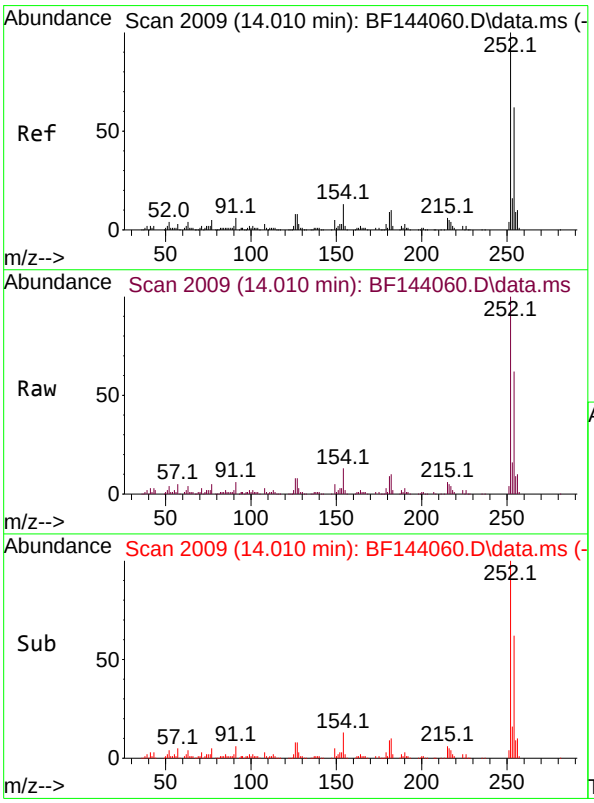
#81
Benzo(a)anthracene
Concen: 44.863 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 374791

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.1	15.3	22.9

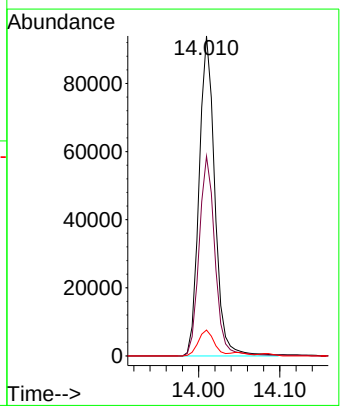


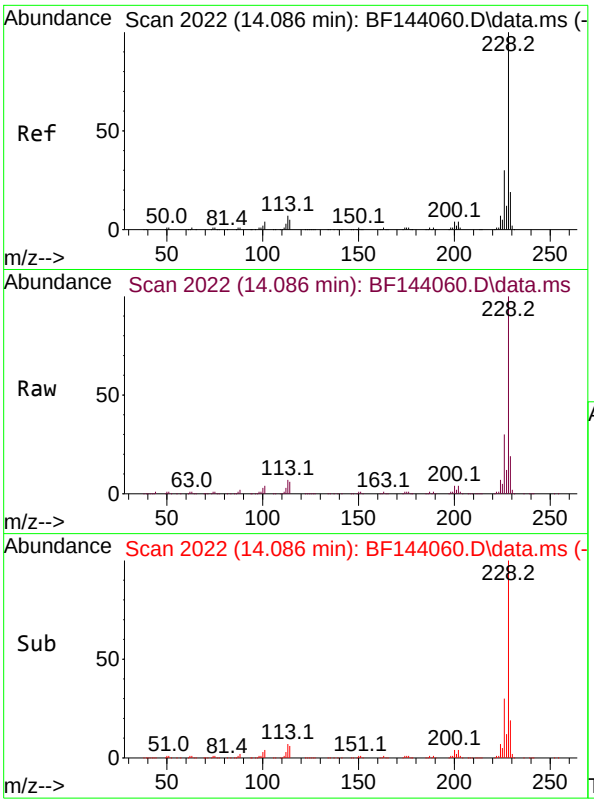


#82
3,3'-Dichlorobenzidine
Concen: 43.337 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:252 Resp: 126028

Ion	Ratio	Lower	Upper
252	100		
254	62.4	49.9	74.9
126	8.1	6.5	9.7



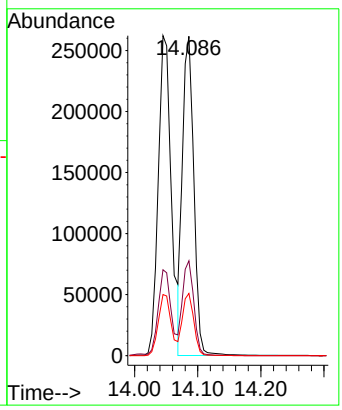


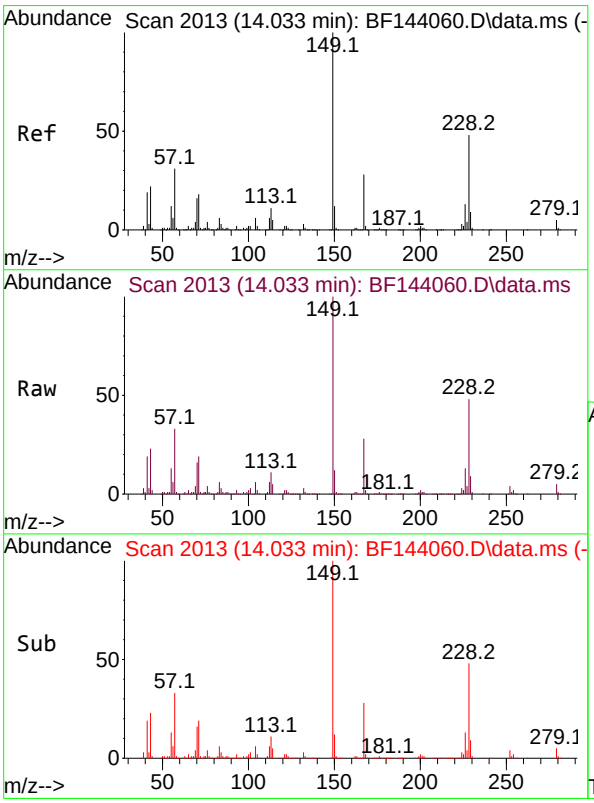
#83
Chrysene
Concen: 41.590 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 326041

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.5	15.6	23.4

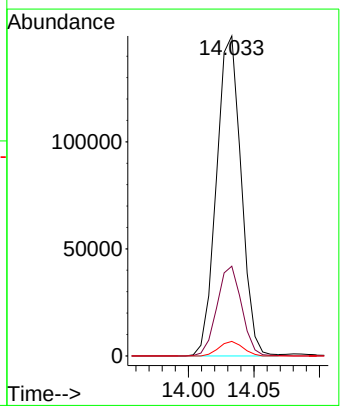


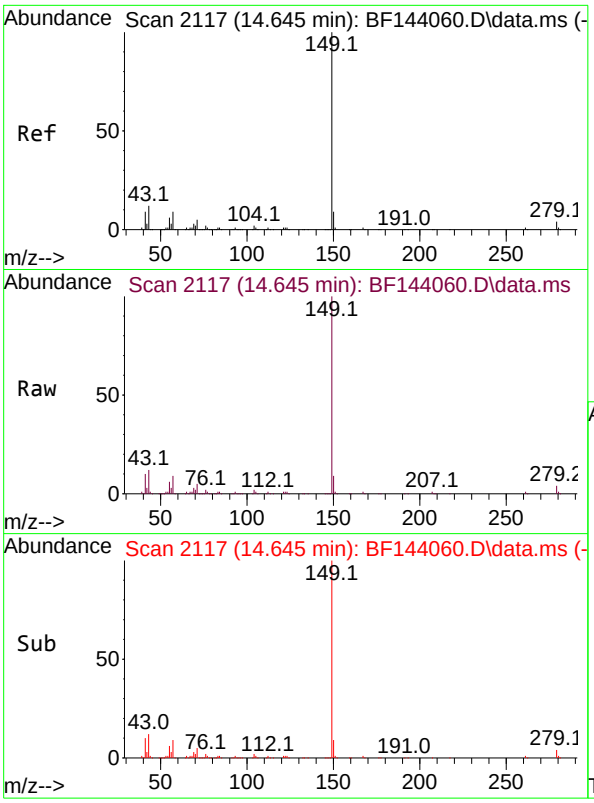


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.805 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 196471

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	4.5	3.6	5.4



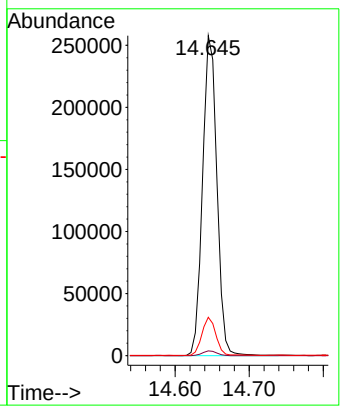


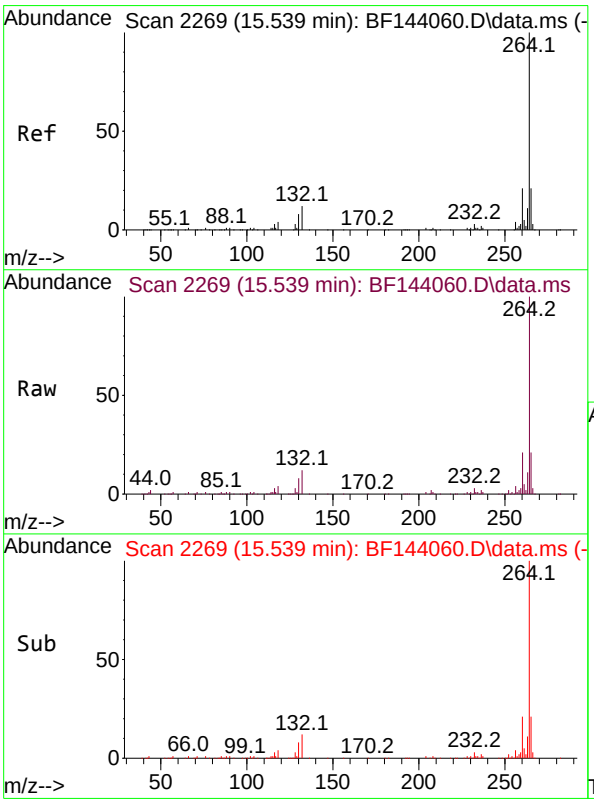
#85
Di-n-octyl phthalate
Concen: 43.804 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 345760

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.6	9.3	13.9

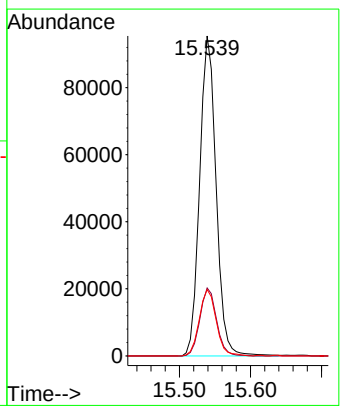


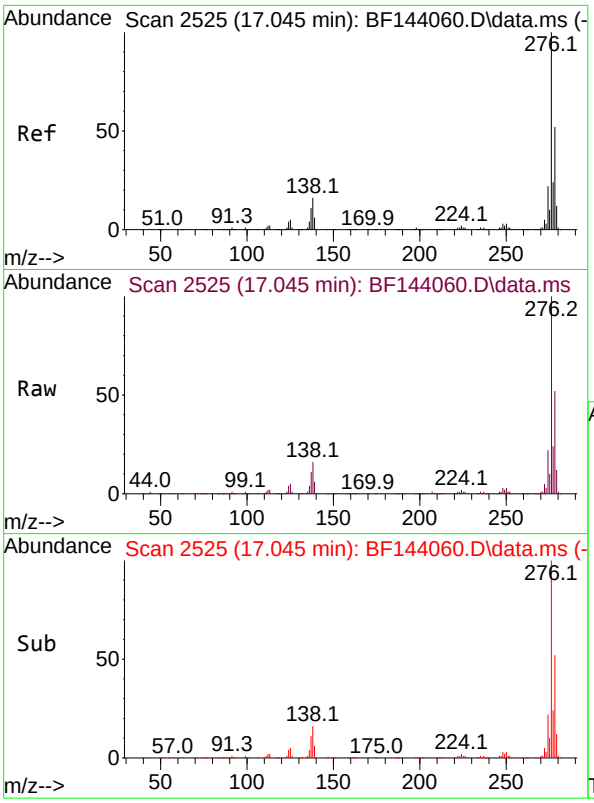


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:264 Resp: 152855

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.0	25.4
265	20.7	16.6	24.8



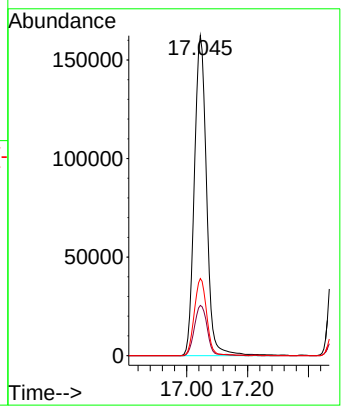


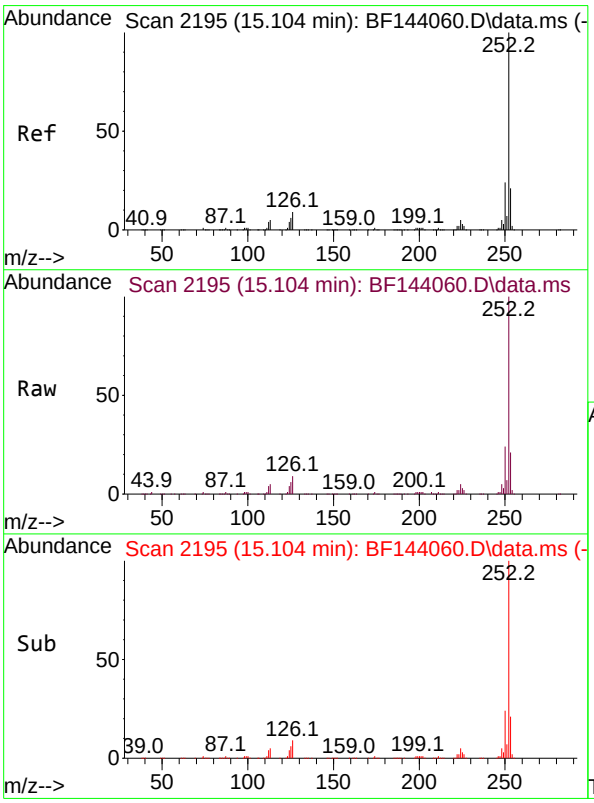
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.020 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 451467

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.0	19.6
277	24.2	19.4	29.0

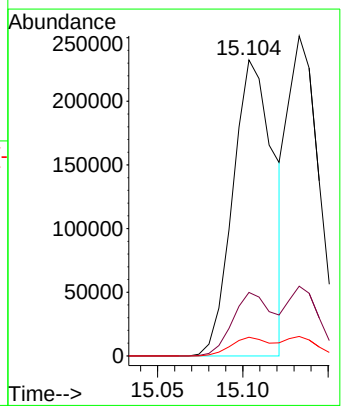


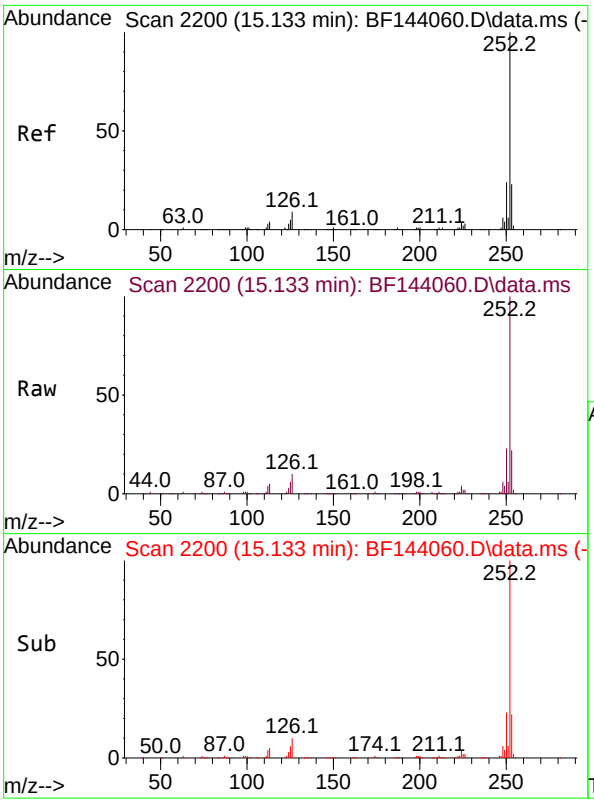


#88
Benzo(b)fluoranthene
Concen: 44.700 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:252 Resp: 386268

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	6.3	5.0	7.6



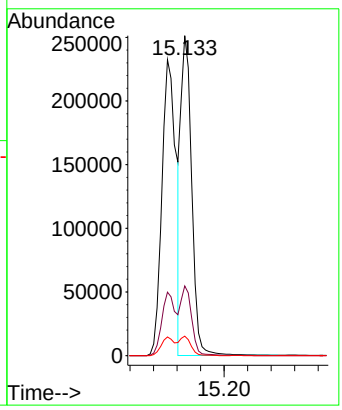


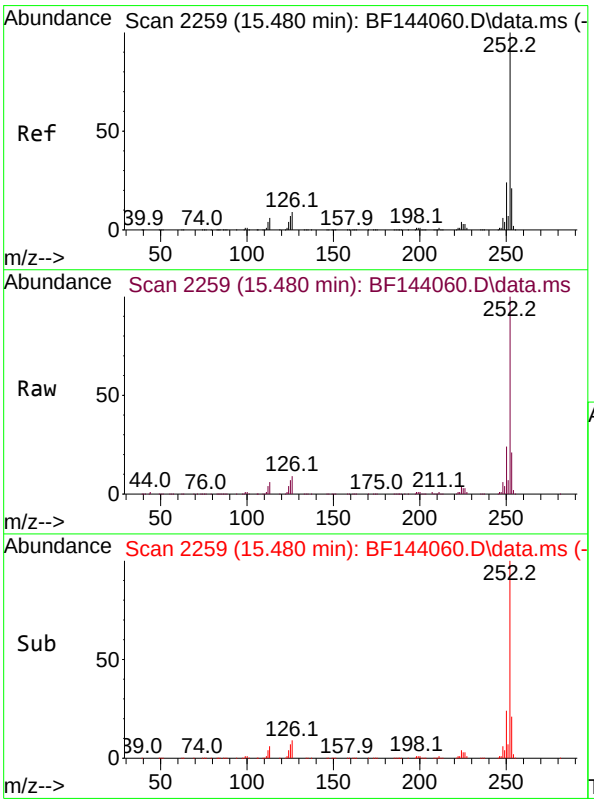
#89
Benzo(k)fluoranthene
Concen: 40.621 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 323867

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	6.1	4.9	7.3

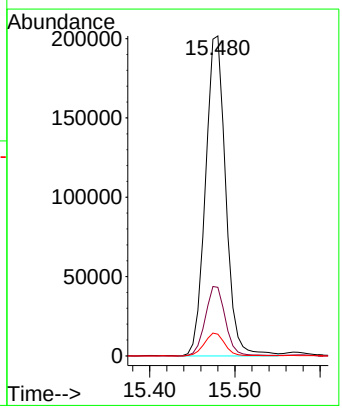


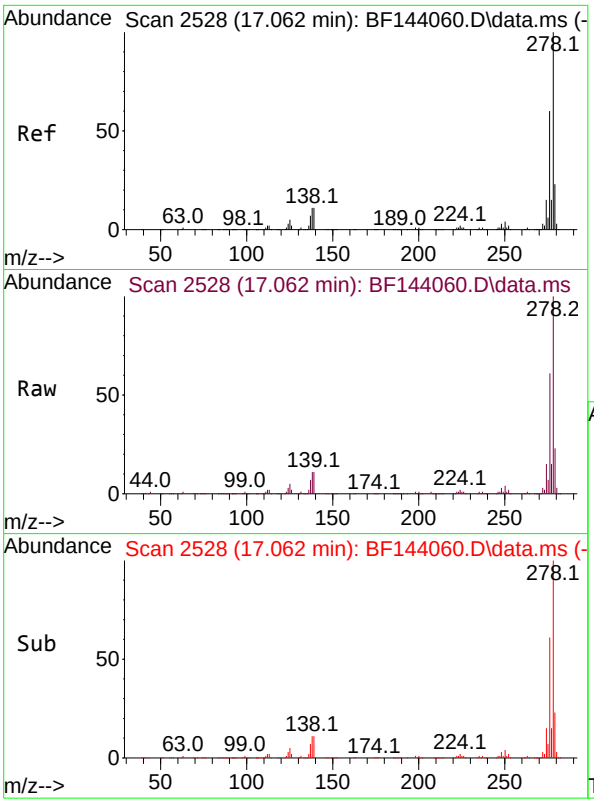


#90
Benzo(a)pyrene
Concen: 42.927 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:252 Resp: 332791

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	6.8	5.4	8.2



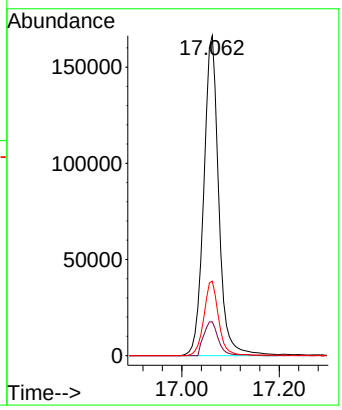


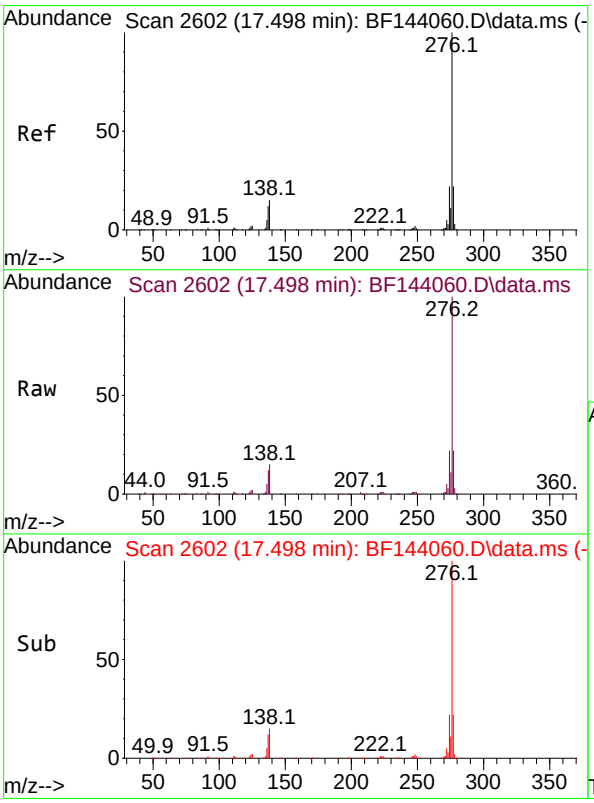
#91
Dibenzo(a,h)anthracene
Concen: 42.914 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 356487

Ion	Ratio	Lower	Upper
278	100		
139	10.6	8.5	12.7
279	23.3	18.6	28.0

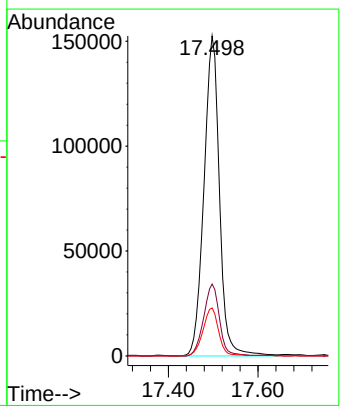




#92
Benzo(g,h,i)perylene
Concen: 43.758 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:276 Resp: 365458

Ion	Ratio	Lower	Upper
276	100		
277	22.4	17.9	26.9
138	15.0	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144061.D
Acq On : 24 Oct 2025 13:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 24 17:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	52198	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	187852	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	95790	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	163068	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133555	20.000	ng	0.00
86) Perylene-d12	15.539	264	170761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	303472	91.982	ng	0.00
7) Phenol-d6	6.504	99	336307	92.298	ng	0.00
23) Nitrobenzene-d5	7.445	82	314744	91.795	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	115501	94.659	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	618497	90.861	ng	0.00
79) Terphenyl-d14	12.998	244	669013	87.573	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	67694	47.481	ng	99
3) Pyridine	3.399	79	186251	48.798	ng	99
4) n-Nitrosodimethylamine	3.346	42	108941	46.451	ng	96
6) Aniline	6.545	93	236051	45.283	ng	97
8) 2-Chlorophenol	6.663	128	146647	45.134	ng	100
9) Benzaldehyde	6.434	77	125111	44.224	ng	99
10) Phenol	6.522	94	205466	45.707	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	147198	45.316	ng	100
12) 1,3-Dichlorobenzene	6.822	146	184614	46.062	ng	99
13) 1,4-Dichlorobenzene	6.898	146	178849	45.279	ng	99
14) 1,2-Dichlorobenzene	7.051	146	176825	46.267	ng	98
15) Benzyl Alcohol	7.022	79	137745	46.492	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	280440	45.937	ng	100
17) 2-Methylphenol	7.128	107	114018	45.627	ng	96
18) Hexachloroethane	7.392	117	66036	46.762	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	104565	44.378	ng	99
20) 3+4-Methylphenols	7.281	107	135141	45.746	ng	96
22) Acetophenone	7.287	105	186463	45.930	ng	99
24) Nitrobenzene	7.463	77	169181	46.643	ng	97
25) Isophorone	7.698	82	274478	45.788	ng	99
26) 2-Nitrophenol	7.781	139	78217	45.330	ng	96
27) 2,4-Dimethylphenol	7.810	122	119169	46.475	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	171275	45.816	ng	99
29) 2,4-Dichlorophenol	8.016	162	137586	46.140	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	141259	46.047	ng	100
31) Naphthalene	8.187	128	400308	45.150	ng	99
32) Benzoic acid	7.922	122	68843	42.326	ng	90
33) 4-Chloroaniline	8.234	127	139897	45.326	ng	99
34) Hexachlorobutadiene	8.298	225	113173	45.117	ng	99
35) Caprolactam	8.598	113	33776	45.169	ng	91
36) 4-Chloro-3-methylphenol	8.710	107	120661	45.853	ng	96
37) 2-Methylnaphthalene	8.875	142	257754	44.094	ng	95
38) 1-Methylnaphthalene	8.975	142	245890	44.400	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	150659	45.764	ng	99
41) Hexachlorocyclopentadiene	9.028	237	49167	48.354	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	102347	47.829	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144061.D
Acq On : 24 Oct 2025 13:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 24 17:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

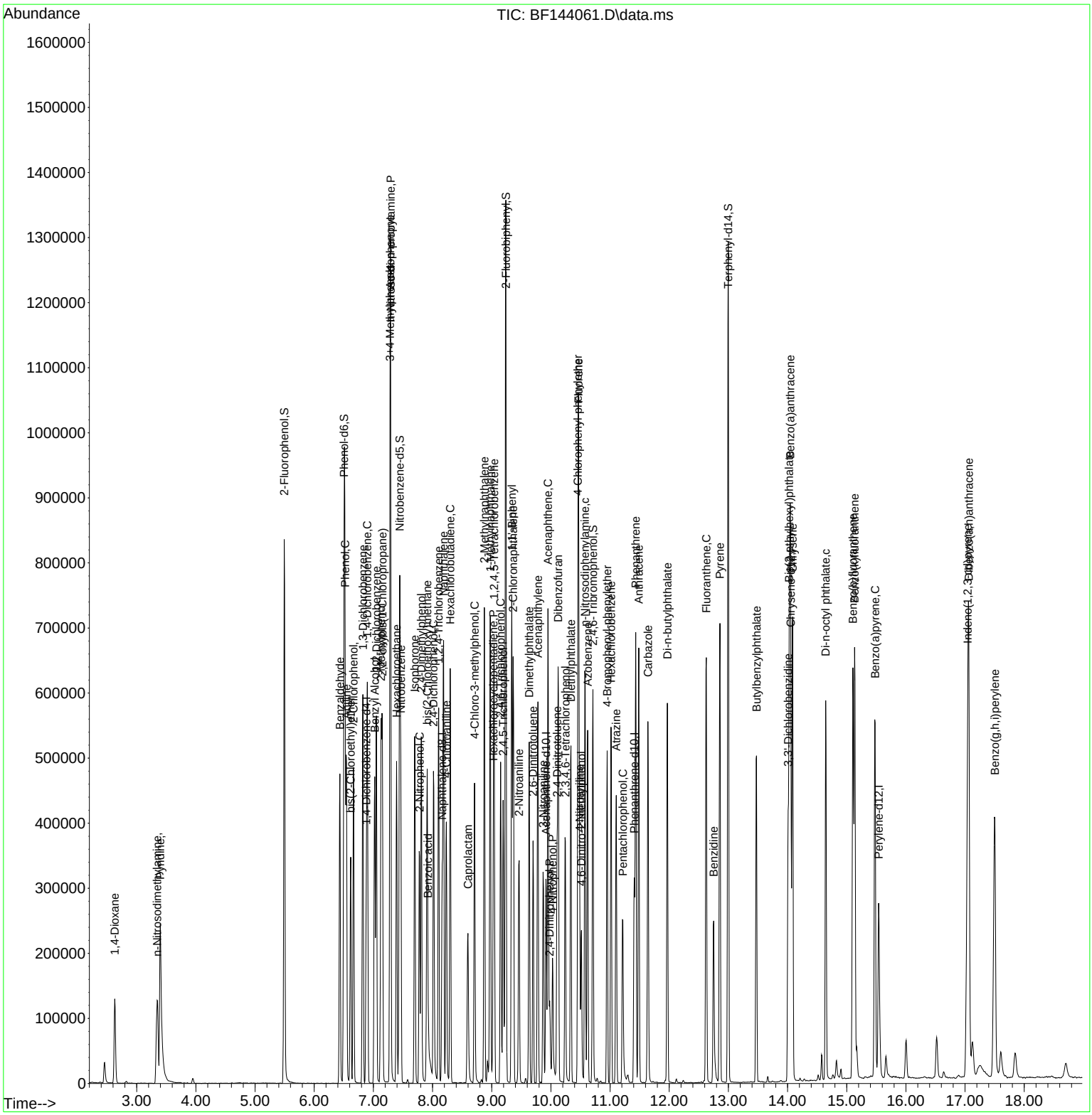
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	102322	45.562	ng		99
46) 1,1'-Biphenyl	9.339	154	315397	45.996	ng		99
47) 2-Chloronaphthalene	9.363	162	263764	45.914	ng		98
48) 2-Nitroaniline	9.463	65	79650	46.691	ng		93
49) Acenaphthylene	9.781	152	353529	45.641	ng		100
50) Dimethylphthalate	9.633	163	291936	46.495	ng		99
51) 2,6-Dinitrotoluene	9.698	165	60313	48.590	ng		98
52) Acenaphthene	9.951	154	239254	46.250	ng		98
53) 3-Nitroaniline	9.869	138	67246	48.727	ng		98
54) 2,4-Dinitrophenol	9.981	184	27746	41.328	ng		95
55) Dibenzofuran	10.122	168	333154	46.390	ng		100
56) 4-Nitrophenol	10.028	139	41829	44.760	ng		98
57) 2,4-Dinitrotoluene	10.104	165	80539	48.075	ng		96
58) Fluorene	10.469	166	249298	45.558	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	77175	48.766	ng	#	97
60) Diethylphthalate	10.339	149	274281	46.451	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	141601	46.015	ng		96
62) 4-Nitroaniline	10.486	138	62266	47.618	ng		99
63) Azobenzene	10.622	77	264030	47.243	ng		99
65) 4,6-Dinitro-2-methylph...	10.516	198	46938	44.864	ng		95
66) n-Nitrosodiphenylamine	10.575	169	240557	46.171	ng		97
67) 4-Bromophenyl-phenylether	10.951	248	93911	45.996	ng		98
68) Hexachlorobenzene	11.016	284	111943	44.706	ng		96
69) Atrazine	11.104	200	75502	44.162	ng		98
70) Pentachlorophenol	11.216	266	58380	48.981	ng		98
71) Phenanthrene	11.433	178	374285	46.205	ng		99
72) Anthracene	11.486	178	380096	45.423	ng		99
73) Carbazole	11.639	167	333654	46.845	ng		98
74) Di-n-butylphthalate	11.969	149	408630	46.795	ng		99
75) Fluoranthene	12.627	202	406402	45.411	ng		99
77) Benzidine	12.751	184	171303	41.214	ng		99
78) Pyrene	12.857	202	432441	45.038	ng		99
80) Butylbenzylphthalate	13.474	149	164976	45.417	ng		99
81) Benzo(a)anthracene	14.045	228	402629	44.609	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	134912	42.940	ng		95
83) Chrysene	14.086	228	393508	46.461	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	230343	46.450	ng		96
85) Di-n-octyl phthalate	14.645	149	393623	46.156	ng		98
87) Indeno(1,2,3-cd)pyrene	17.045	276	552781	47.151	ng		100
88) Benzo(b)fluoranthene	15.104	252	450302	46.646	ng		98
89) Benzo(k)fluoranthene	15.133	252	386955	43.445	ng		99
90) Benzo(a)pyrene	15.480	252	402167	46.436	ng		99
91) Dibenzo(a,h)anthracene	17.062	278	437275	47.119	ng		100
92) Benzo(g,h,i)perylene	17.504	276	436689	46.804	ng		99

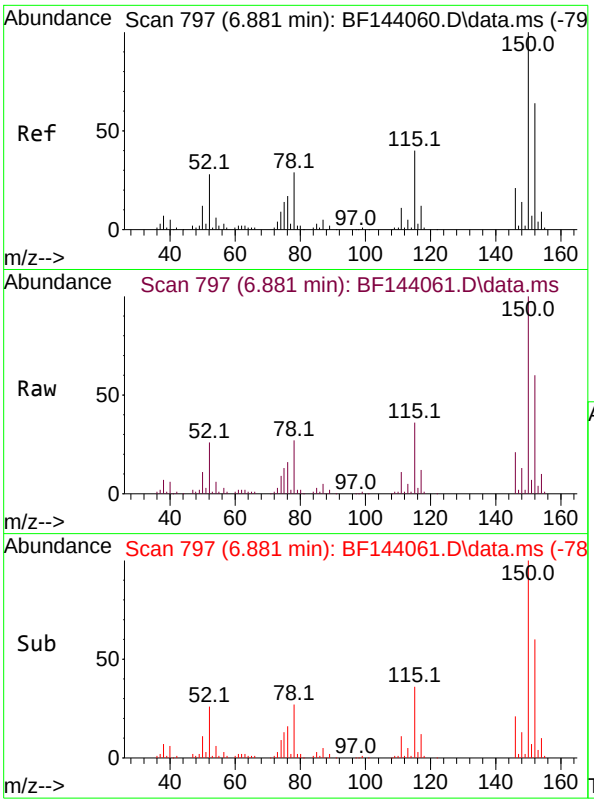
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144061.D
Acq On : 24 Oct 2025 13:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 24 17:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration



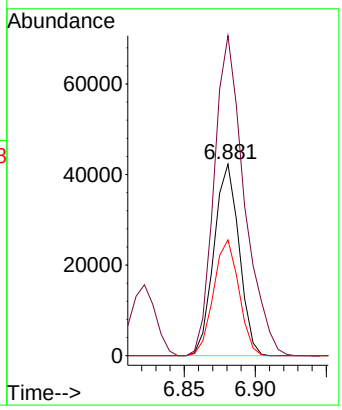


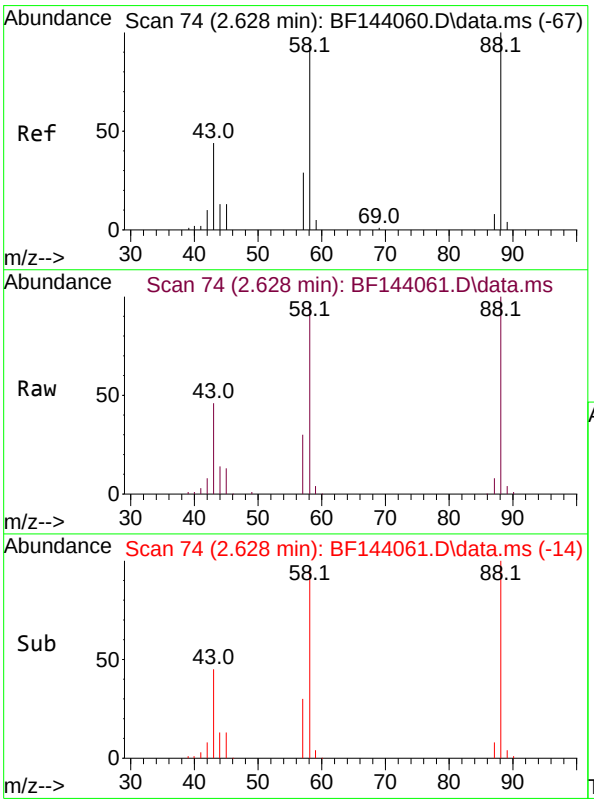
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 52198

Ion	Ratio	Lower	Upper
152	100		
150	167.1	124.4	186.6
115	60.5	49.4	74.0

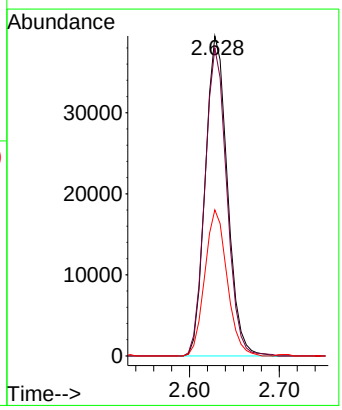


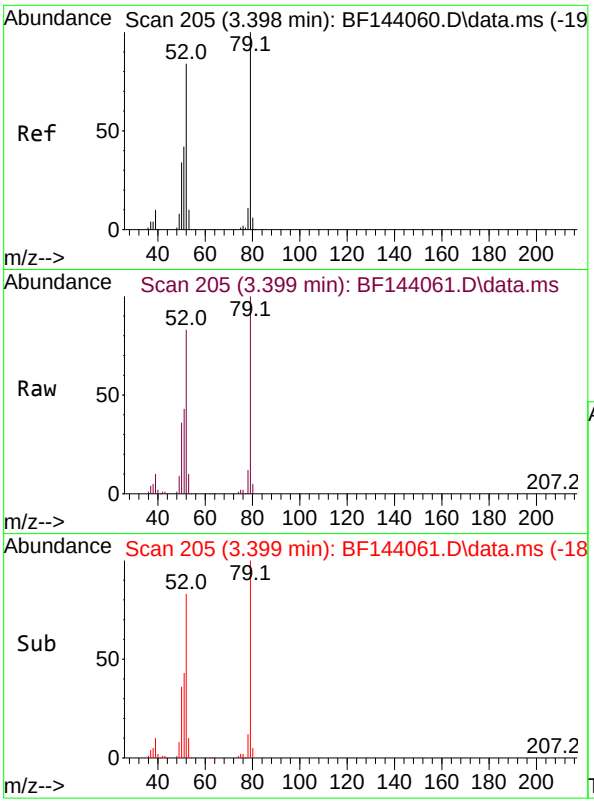


#2
1,4-Dioxane
Concen: 47.481 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 88 Resp: 67694

Ion	Ratio	Lower	Upper
88	100		
58	95.6	76.5	114.7
43	46.0	35.3	52.9



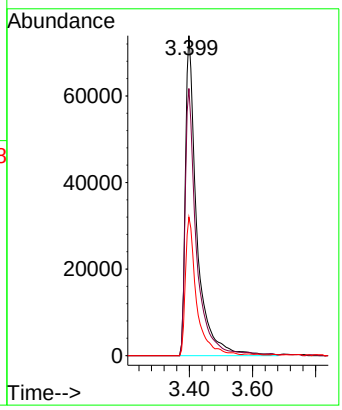


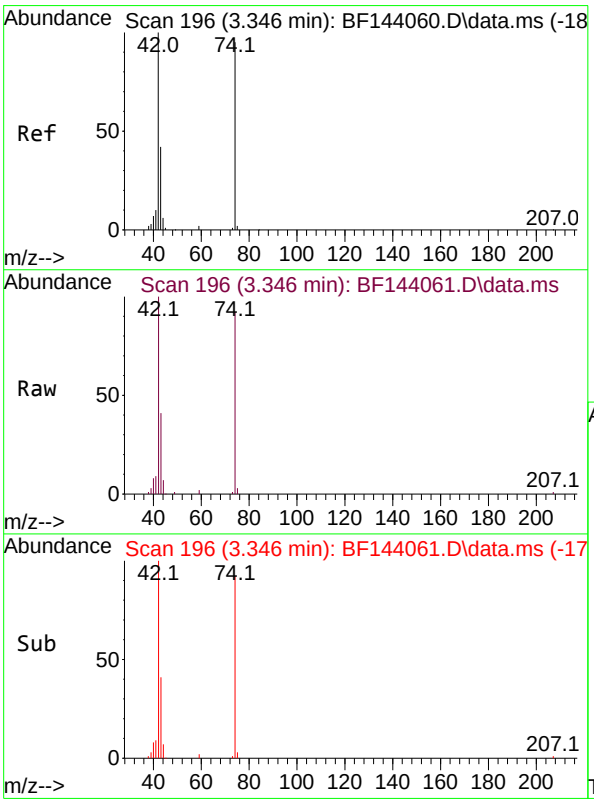
#3
Pyridine
Concen: 48.798 ng
RT: 3.399 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 186251

Ion	Ratio	Lower	Upper
79	100		
52	83.5	67.5	101.3
51	43.3	33.6	50.4

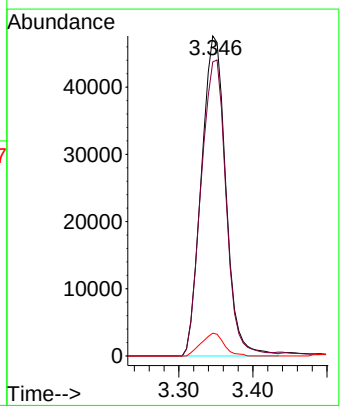


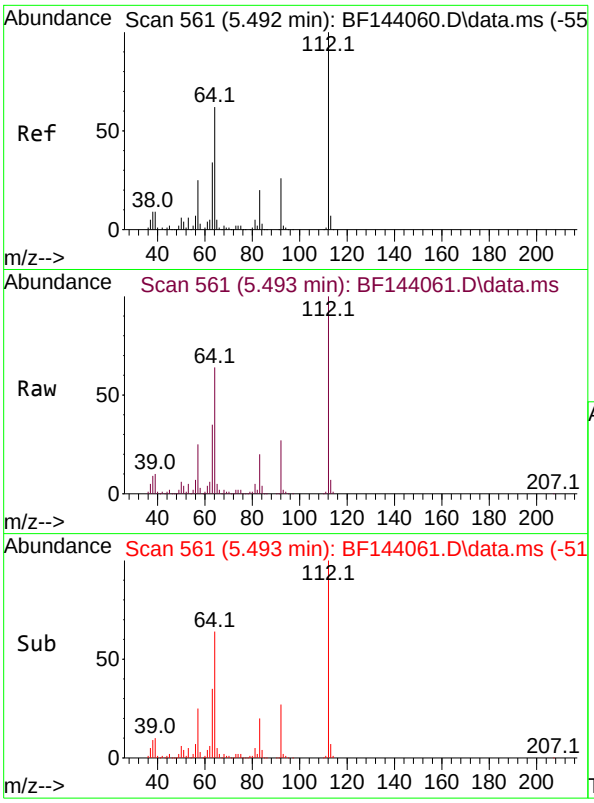


#4
n-Nitrosodimethylamine
Concen: 46.451 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 42 Resp: 108941

Ion	Ratio	Lower	Upper
42	100		
74	91.9	76.4	114.6
44	7.1	5.2	7.8



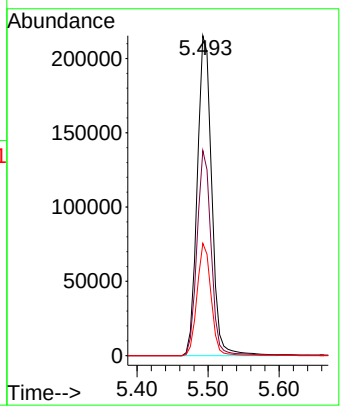


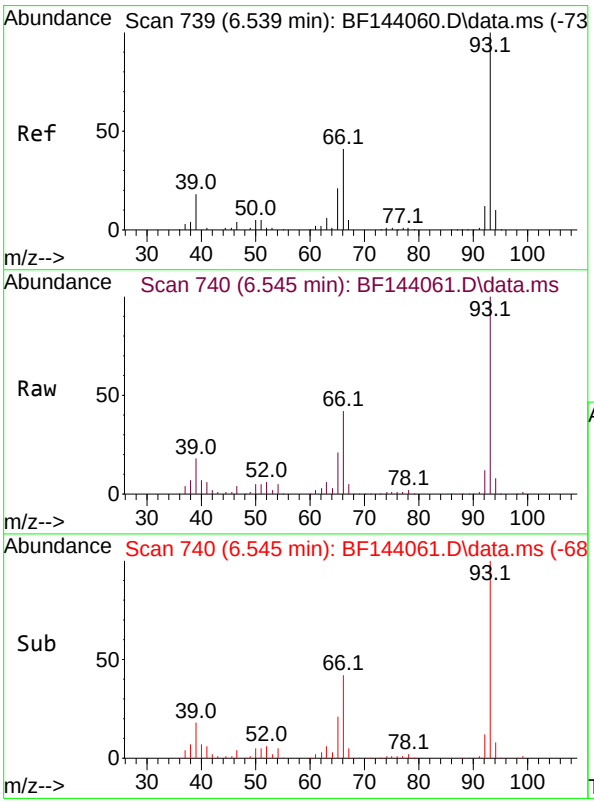
#5
2-Fluorophenol
Concen: 91.982 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 303472

Ion	Ratio	Lower	Upper
112	100		
64	64.1	49.8	74.8
63	35.1	27.4	41.2

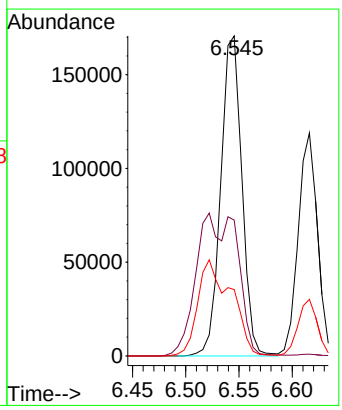


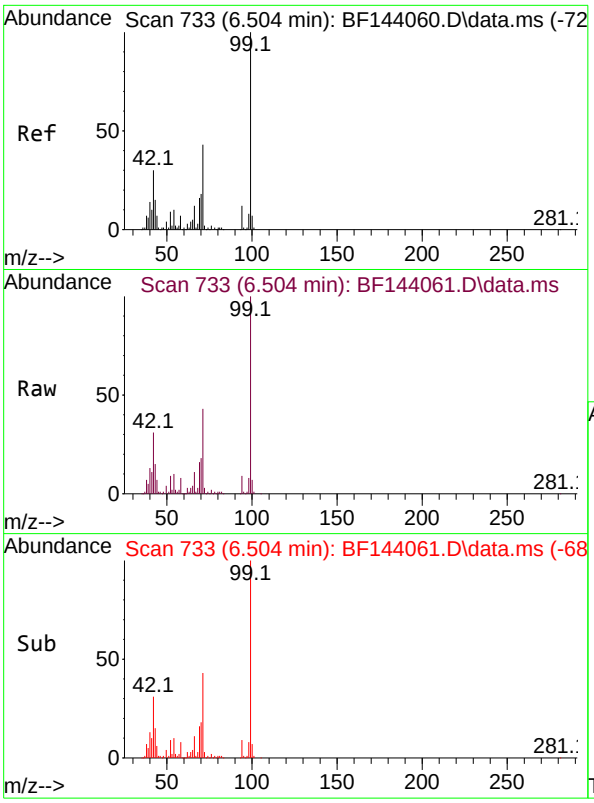


#6
Aniline
Concen: 45.283 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 93 Resp: 236051

Ion	Ratio	Lower	Upper
93	100		
66	42.4	35.7	53.5
65	20.7	17.0	25.6



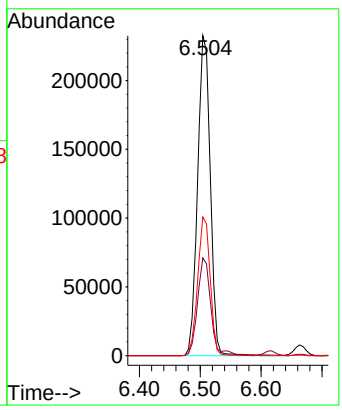


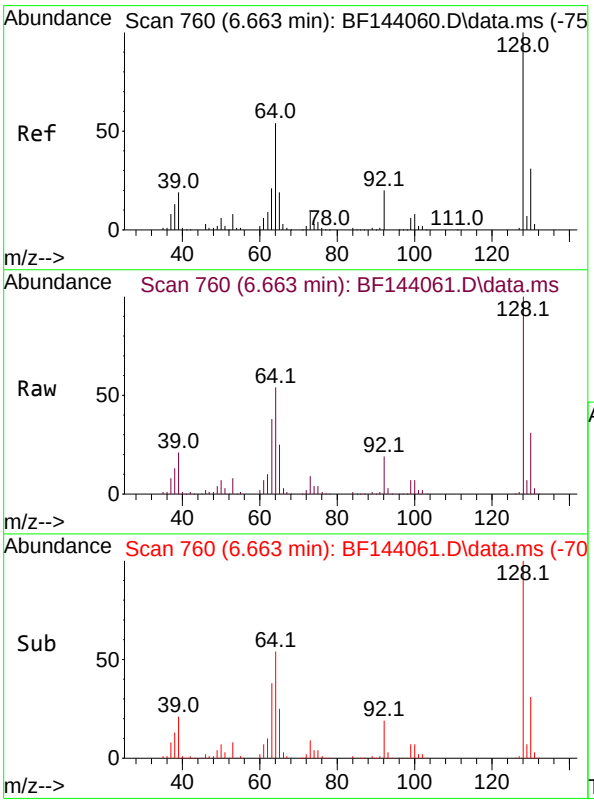
#7
Phenol-d6
Concen: 92.298 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 336307

Ion	Ratio	Lower	Upper
99	100		
42	30.5	23.9	35.9
71	43.3	34.4	51.6

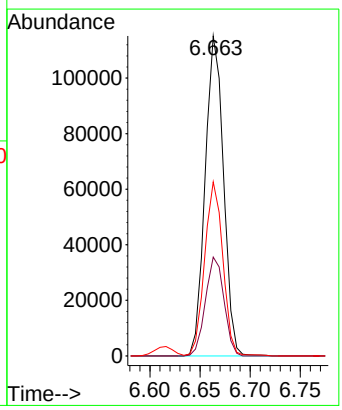


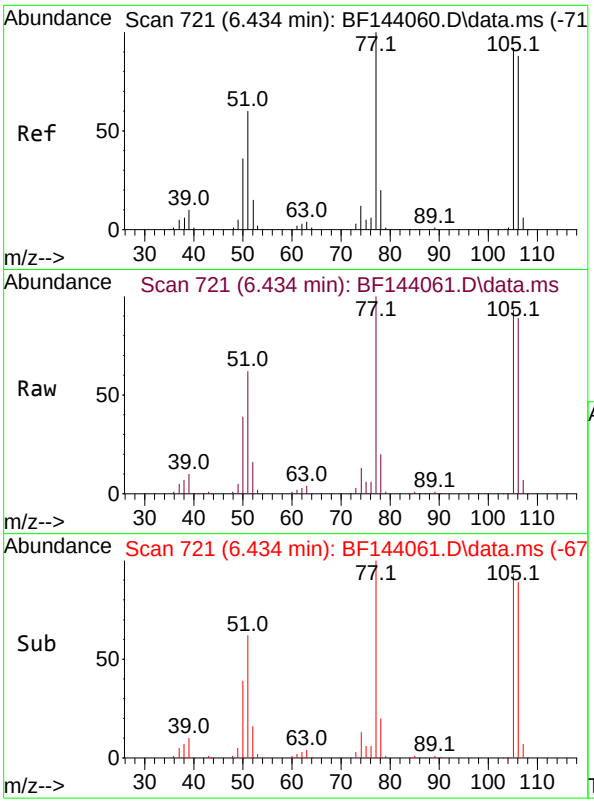


#8
2-Chlorophenol
Concen: 45.134 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:128 Resp: 146647

Ion	Ratio	Lower	Upper
128	100		
130	30.9	10.7	50.7
64	54.4	34.7	74.7



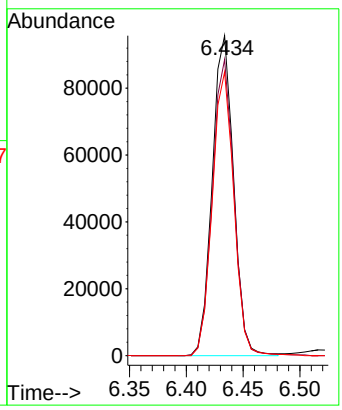


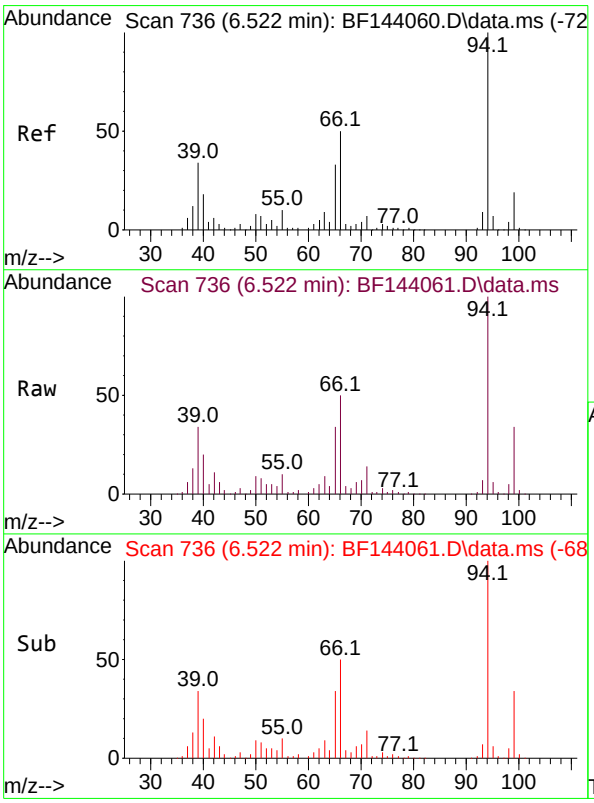
#9
Benzaldehyde
Concen: 44.224 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 125111

Ion	Ratio	Lower	Upper
77	100		
105	92.5	72.2	112.2
106	88.6	67.9	107.9

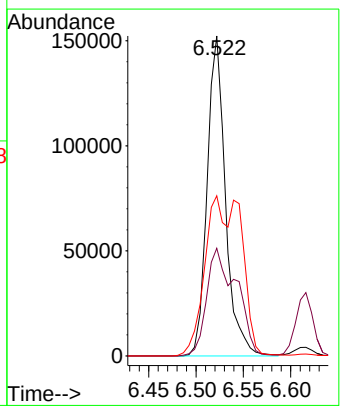


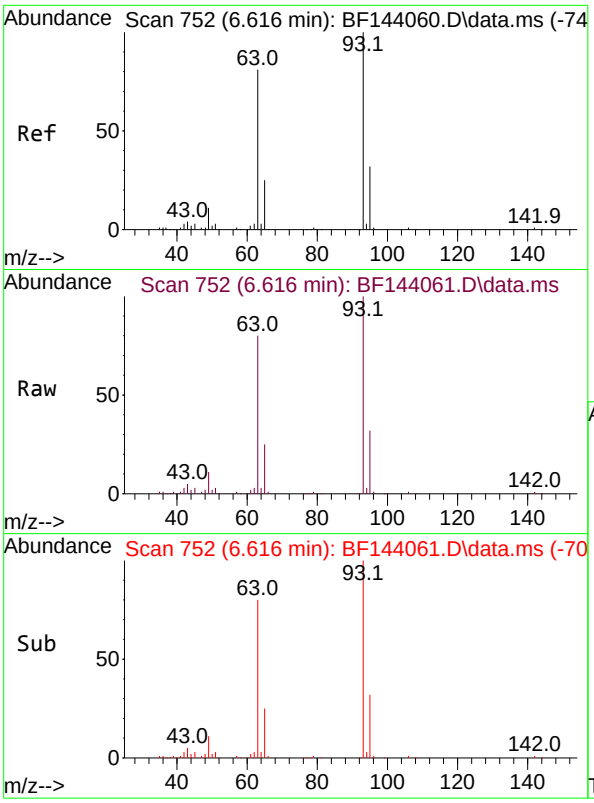


#10
Phenol
Concen: 45.707 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 94 Resp: 205466

Ion	Ratio	Lower	Upper
94	100		
65	33.6	13.1	53.1
66	50.0	30.6	70.6



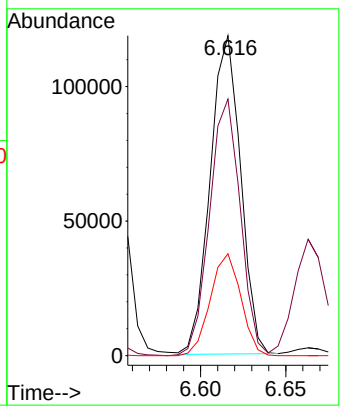


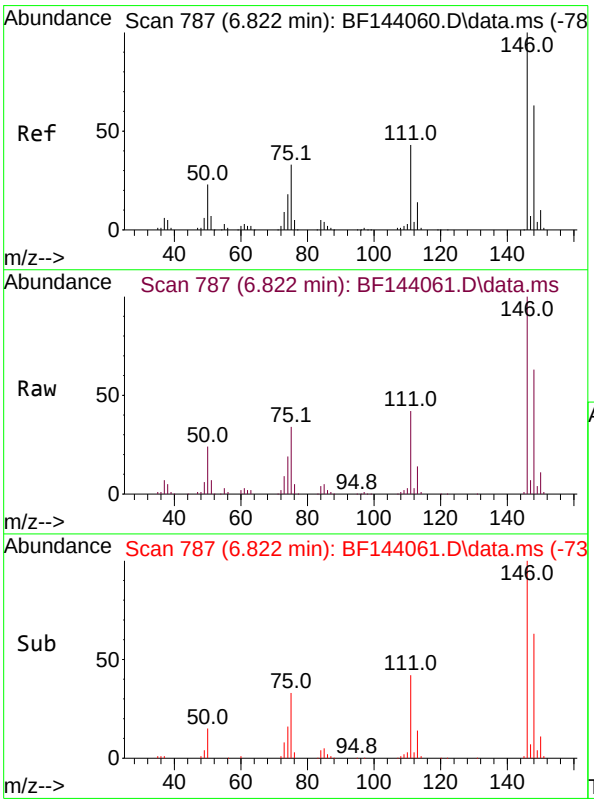
#11
bis(2-Chloroethyl)ether
Concen: 45.316 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 147198

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	31.8	12.4	52.4

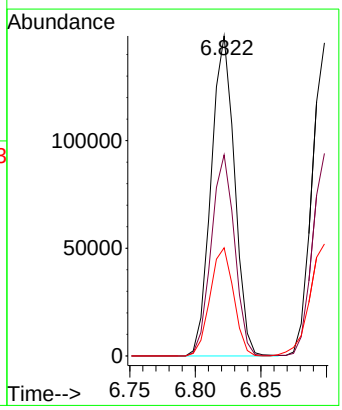


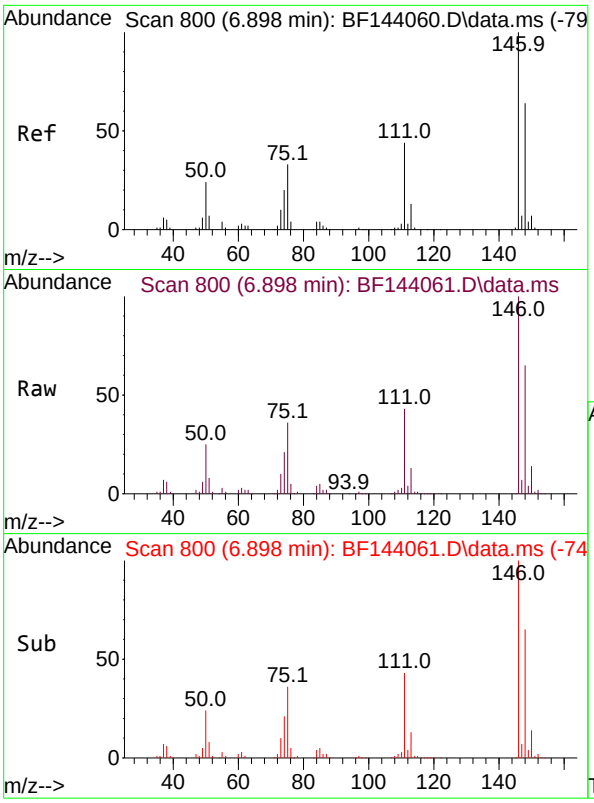


#12
1,3-Dichlorobenzene
Concen: 46.062 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:146 Resp: 184614

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	75.8
75	33.8	26.6	40.0



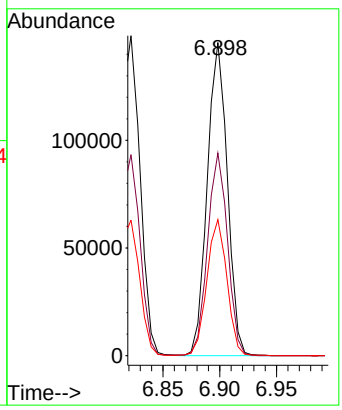


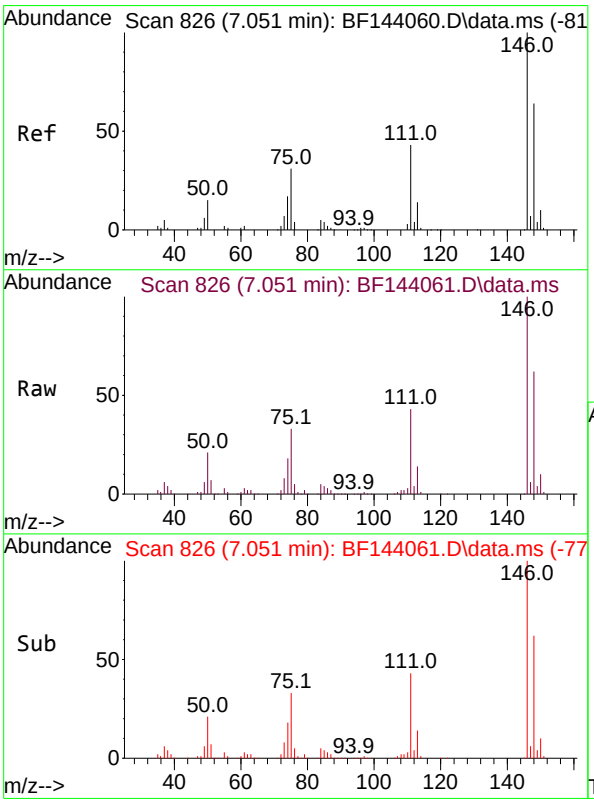
#13
1,4-Dichlorobenzene
Concen: 45.279 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 178849

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	43.4	35.0	52.6

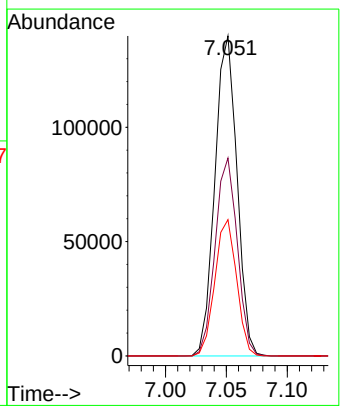


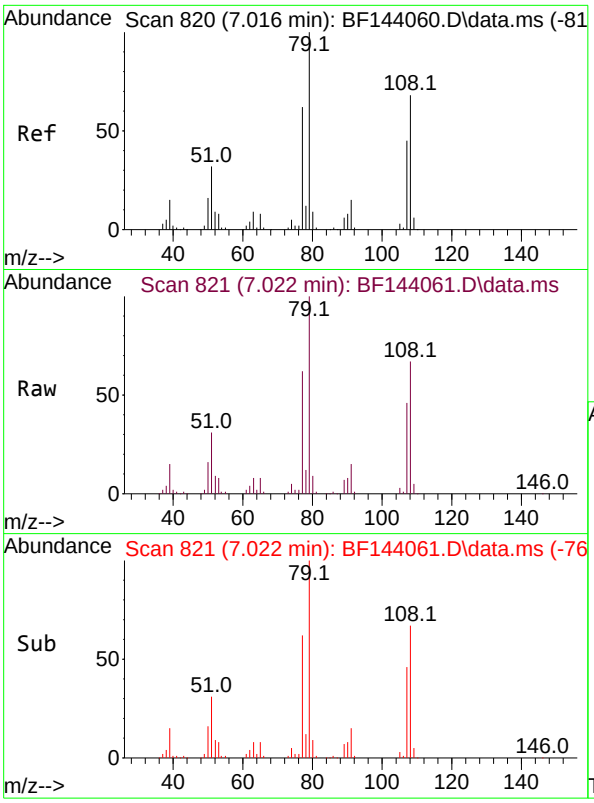


#14
1,2-Dichlorobenzene
Concen: 46.267 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:146 Resp: 176825

Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.8	76.2
111	42.6	34.7	52.1



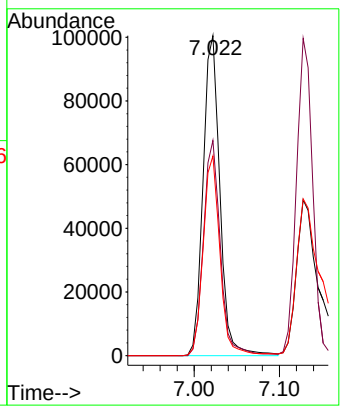


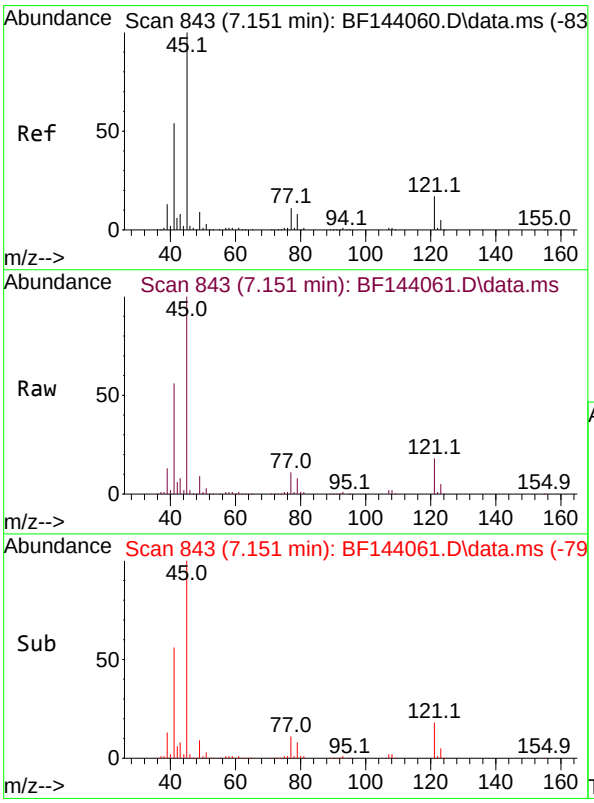
#15
Benzyl Alcohol
Concen: 46.492 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 137745

Ion	Ratio	Lower	Upper
79	100		
108	67.2	54.8	82.2
77	62.4	49.4	74.0

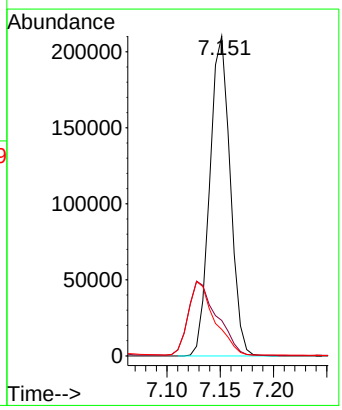


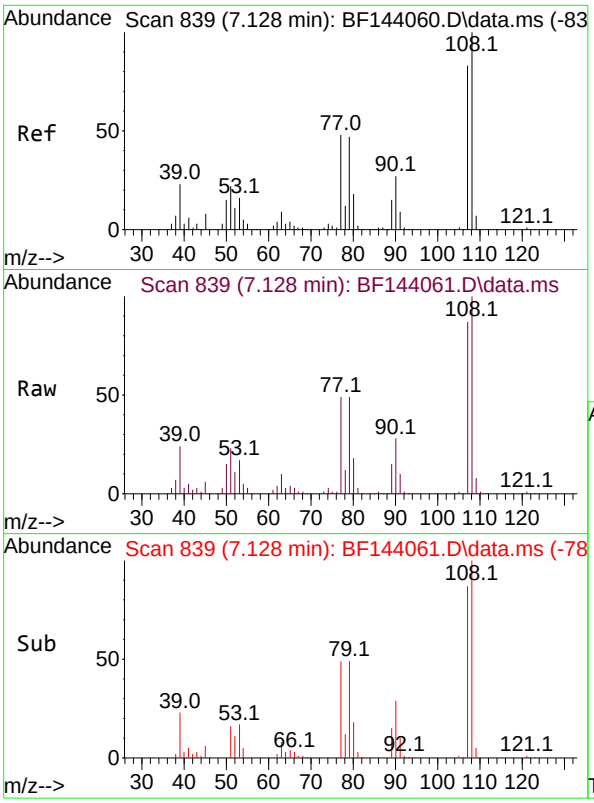


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.937 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 45 Resp: 280440

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	30.9
79	8.3	0.0	28.2



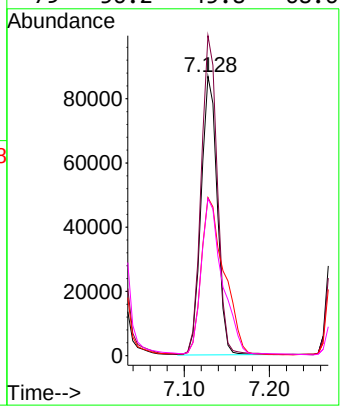


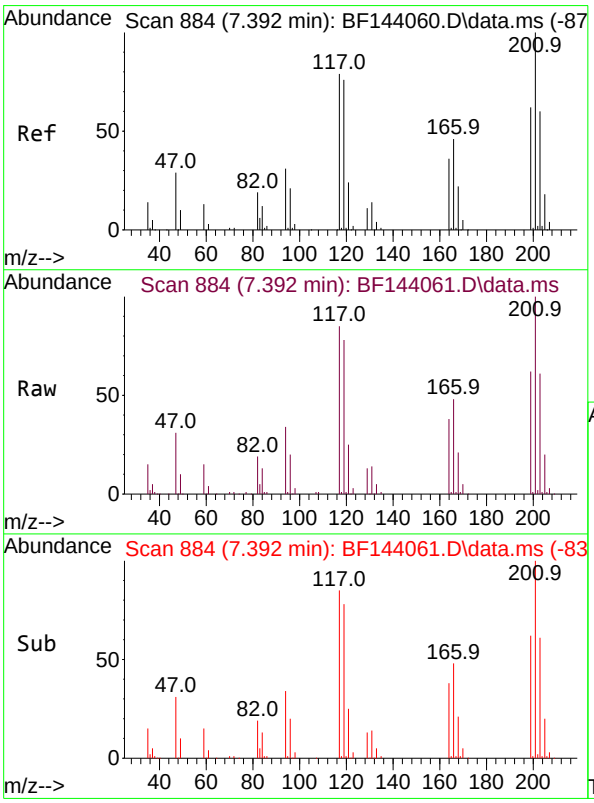
#17
2-Methylphenol
Concen: 45.627 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 114018

Ion	Ratio	Lower	Upper
107	100		
108	114.6	96.4	144.6
77	56.6	46.8	70.2
79	56.2	45.8	68.6

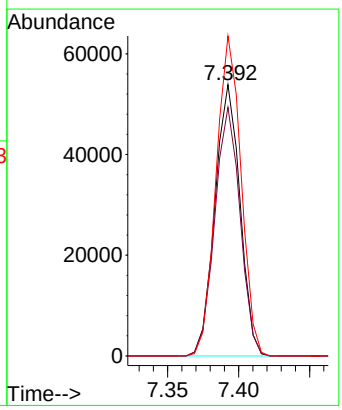


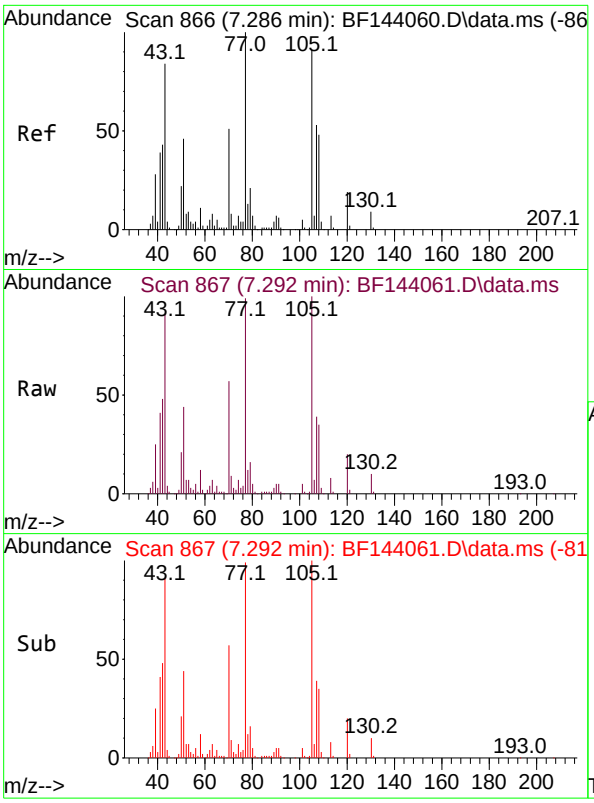


#18
Hexachloroethane
Concen: 46.762 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:117 Resp: 66036

Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.6	115.0
201	117.9	100.9	151.3



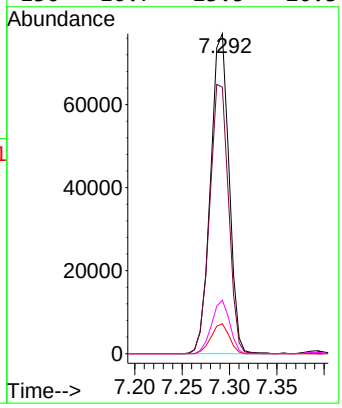


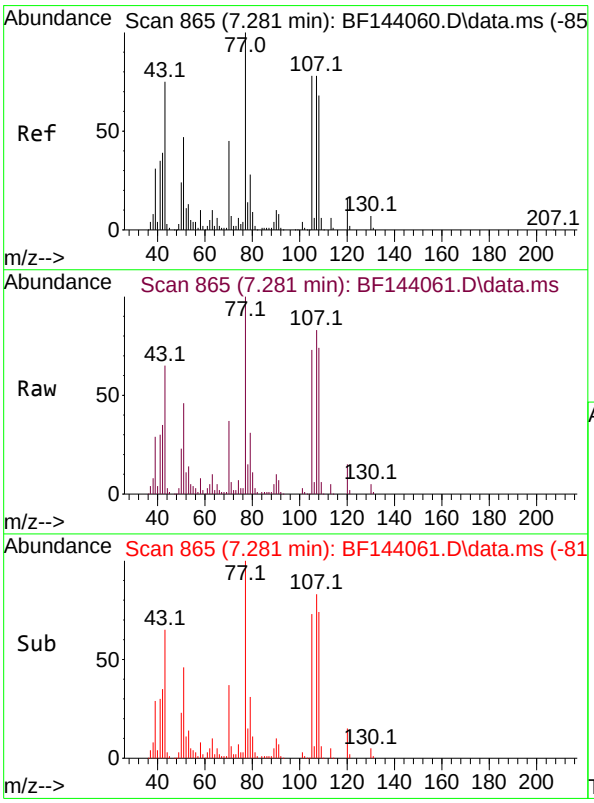
#19
n-Nitroso-di-n-propylamine
Concen: 44.378 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 104565

Ion	Ratio	Lower	Upper
70	100		
42	83.3	67.4	101.0
101	9.3	7.1	10.7
130	16.7	13.5	20.3

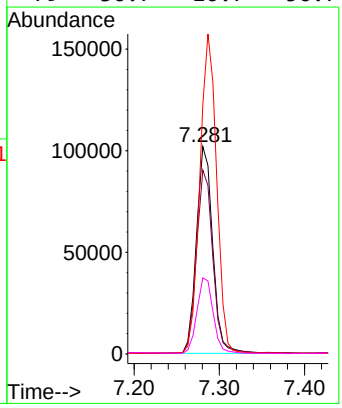


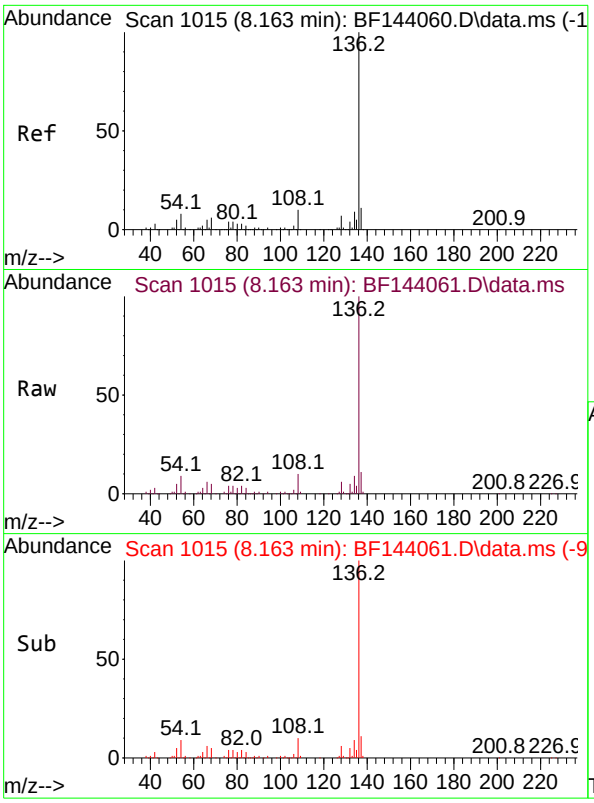


#20
3+4-Methylphenols
Concen: 45.746 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:107 Resp: 135141

Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.0	108.0
77	120.4	108.7	148.7
79	36.7	16.7	56.7



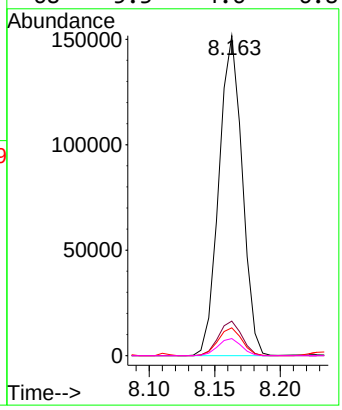


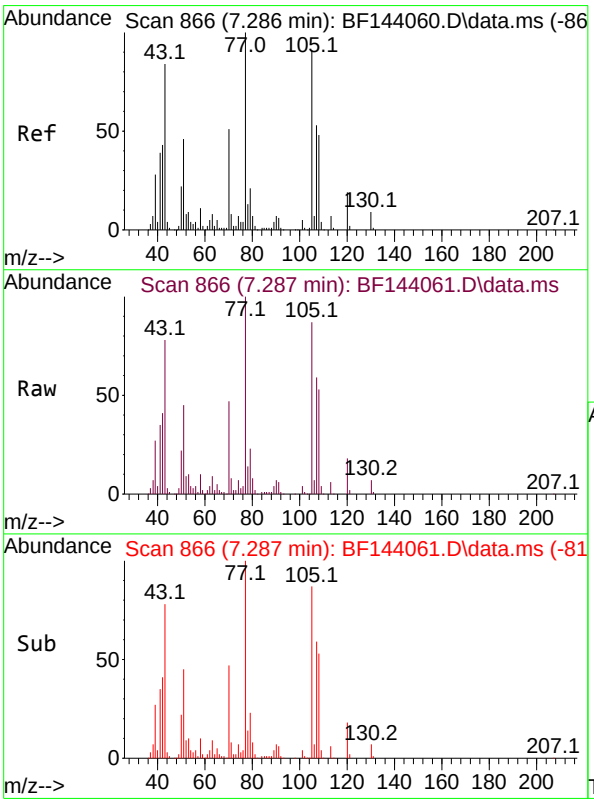
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 187852

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.7	6.6	9.8
68	5.3	4.6	6.8

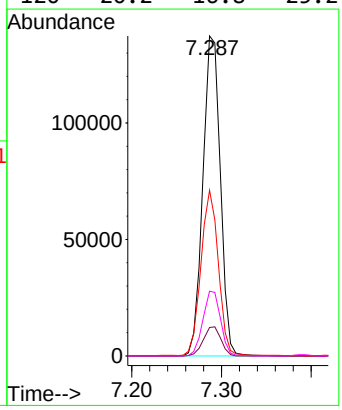


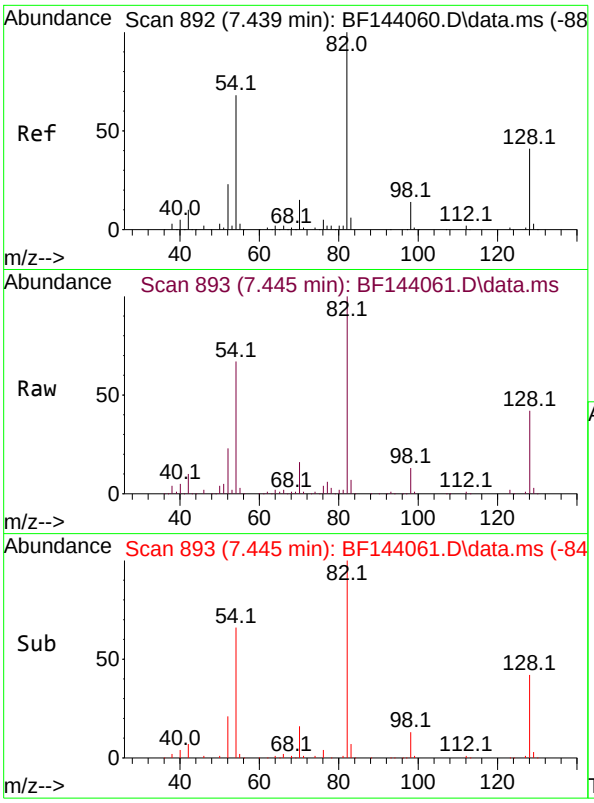


#22
Acetophenone
Concen: 45.930 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:105 Resp: 186463

Ion	Ratio	Lower	Upper
105	100		
71	8.9	6.9	10.3
51	51.7	40.6	60.8
120	20.2	16.8	25.2



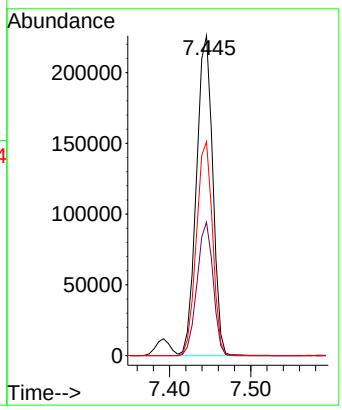


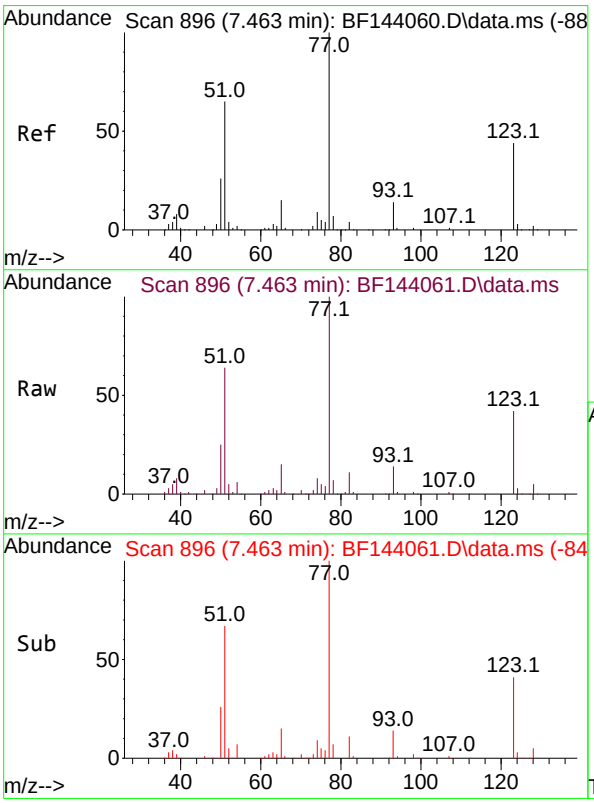
#23
Nitrobenzene-d5
Concen: 91.795 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 314744

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.4	48.6
54	66.8	54.0	81.0

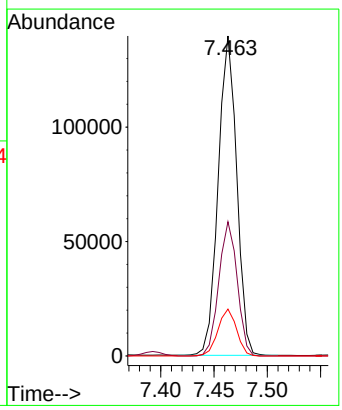


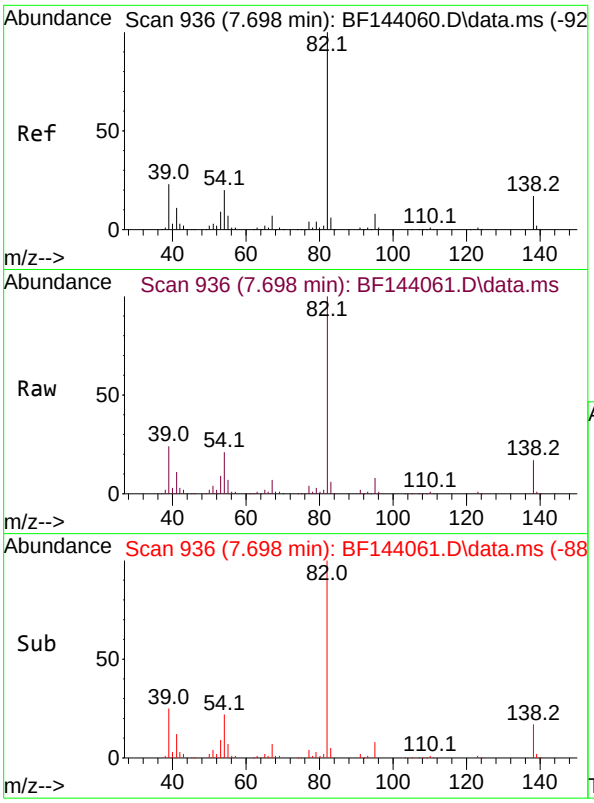


#24
Nitrobenzene
Concen: 46.643 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 77 Resp: 169181

Ion	Ratio	Lower	Upper
77	100		
123	41.9	35.0	52.6
65	14.6	12.2	18.2



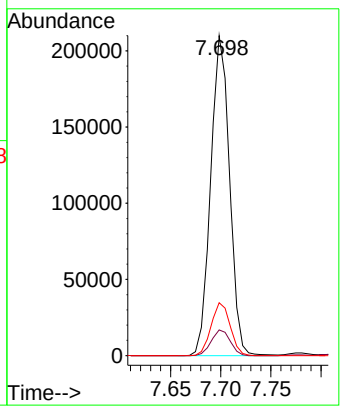


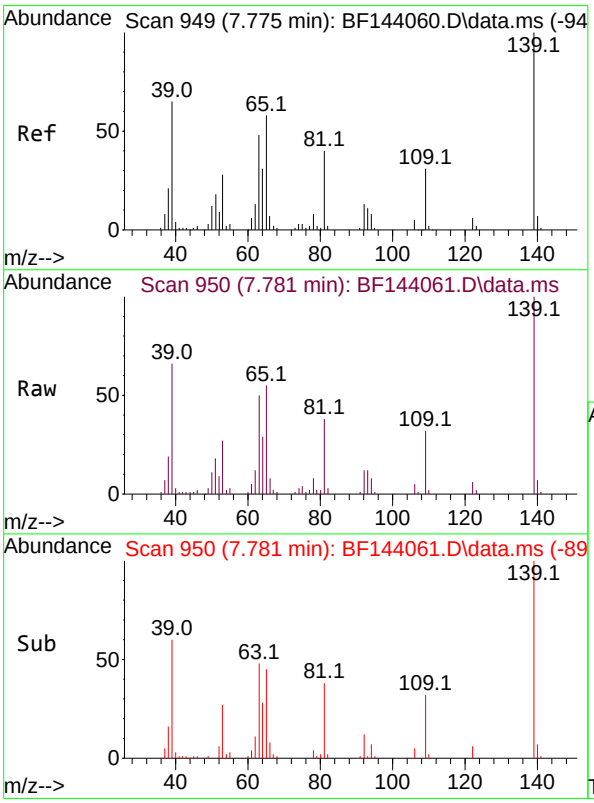
#25
Isophorone
Concen: 45.788 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 274478

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.6	9.8
138	16.5	13.8	20.8

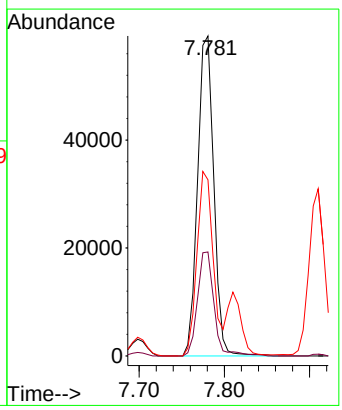


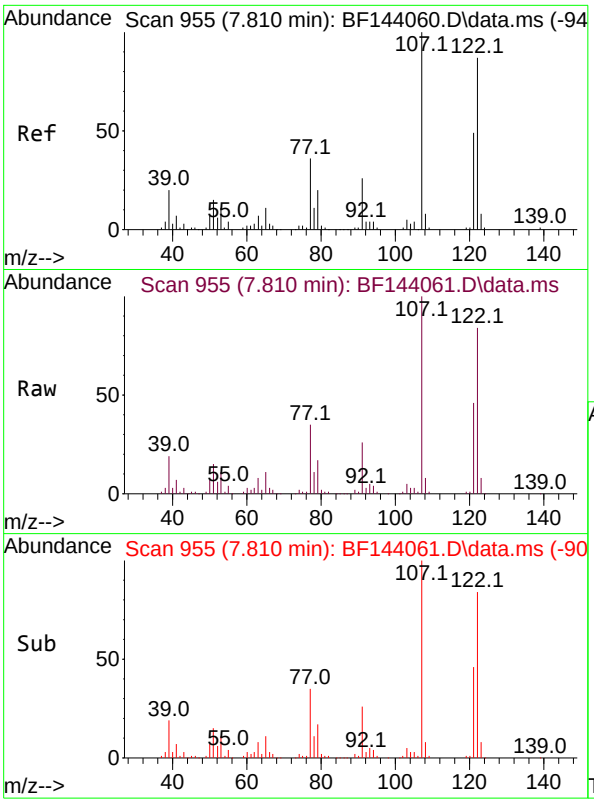


#26
2-Nitrophenol
Concen: 45.330 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:139 Resp: 78217

Ion	Ratio	Lower	Upper
139	100		
109	32.5	24.6	37.0
65	55.0	46.6	69.8



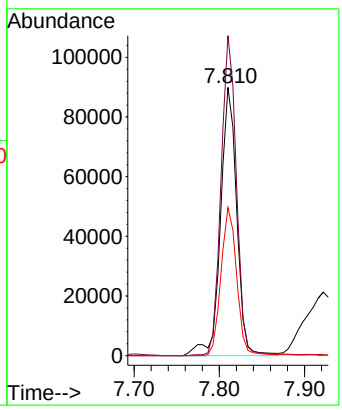


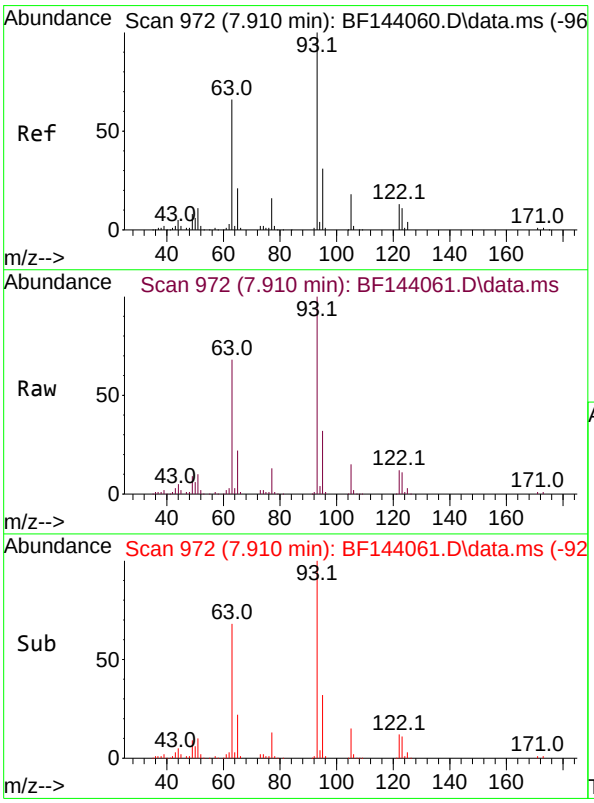
#27
2,4-Dimethylphenol
Concen: 46.475 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 119169

Ion	Ratio	Lower	Upper
122	100		
107	119.3	91.8	137.8
121	55.2	45.2	67.8

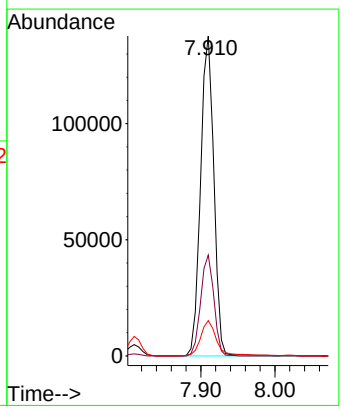


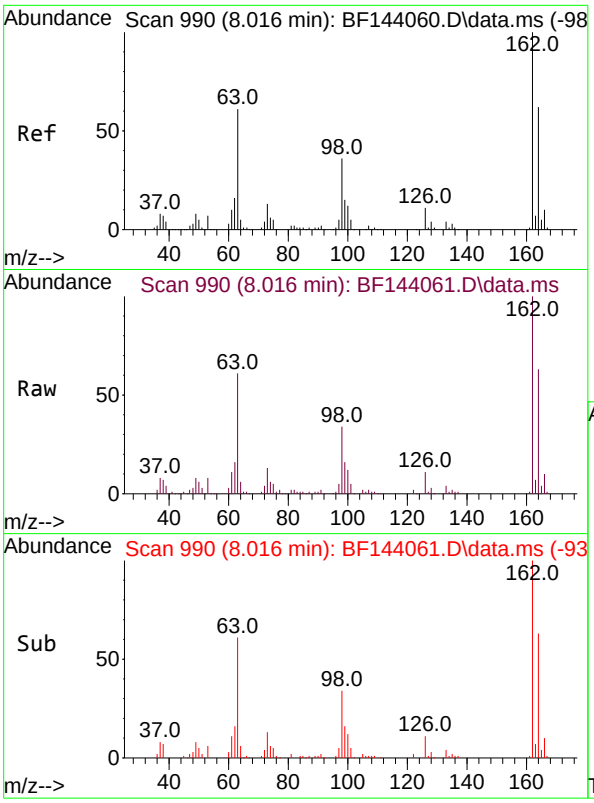


#28
bis(2-Chloroethoxy)methane
Concen: 45.816 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 93 Resp: 171275

Ion	Ratio	Lower	Upper
93	100		
95	31.5	24.6	36.8
123	11.0	9.1	13.7



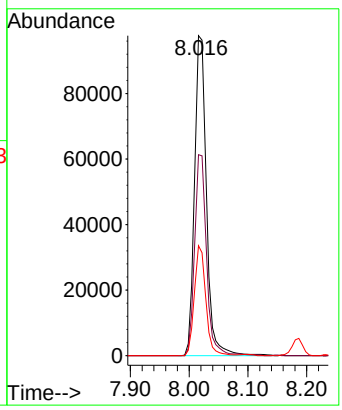


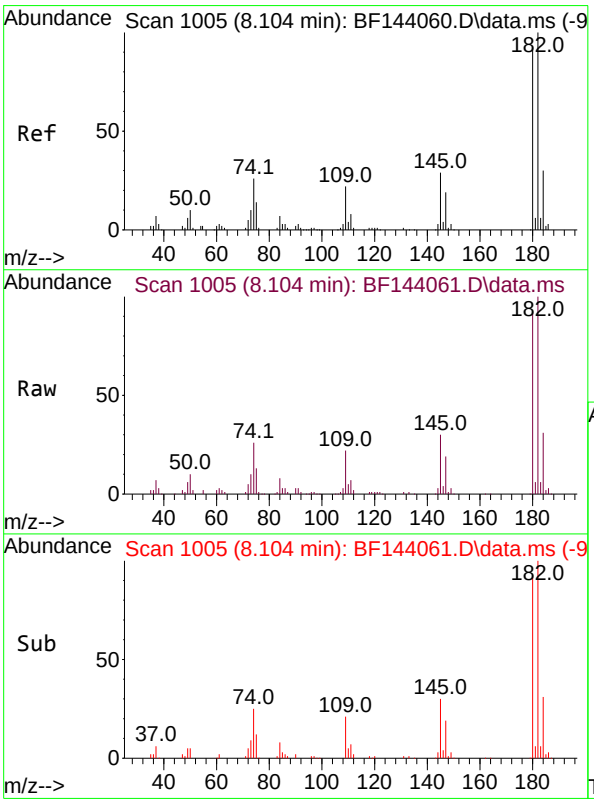
#29
2,4-Dichlorophenol
Concen: 46.140 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 137586

Ion	Ratio	Lower	Upper
162	100		
164	62.8	42.1	82.1
98	34.3	16.0	56.0

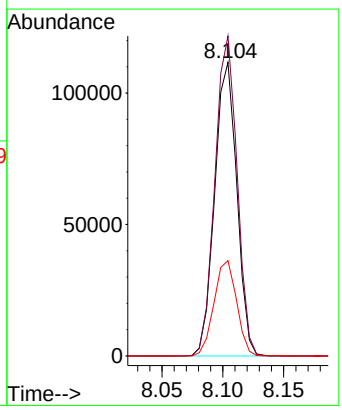


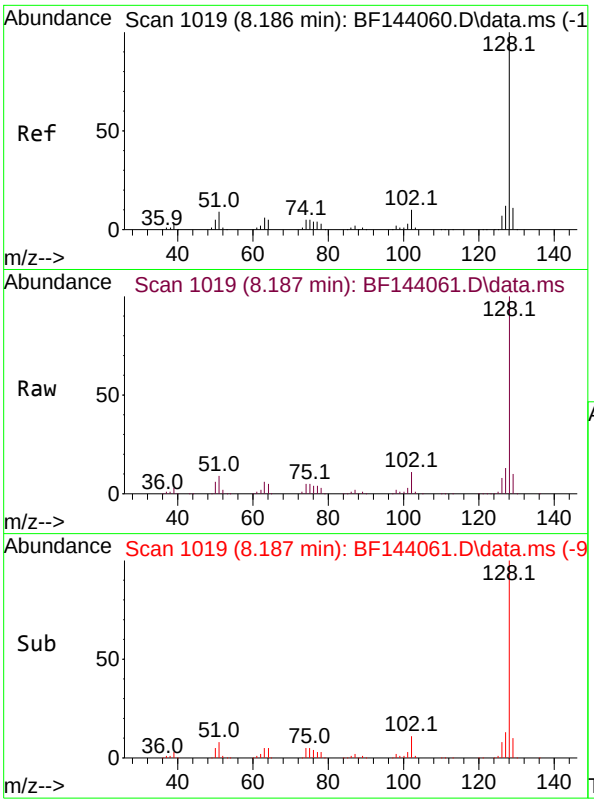


#30
1,2,4-Trichlorobenzene
Concen: 46.047 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:180 Resp: 141259

Ion	Ratio	Lower	Upper
180	100		
182	109.0	87.1	130.7
145	32.5	25.3	37.9



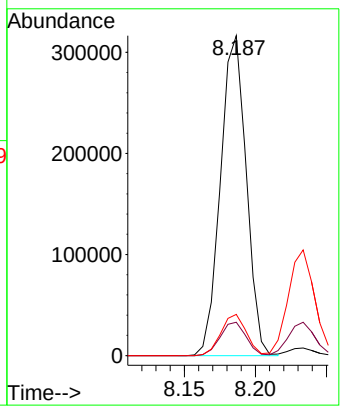


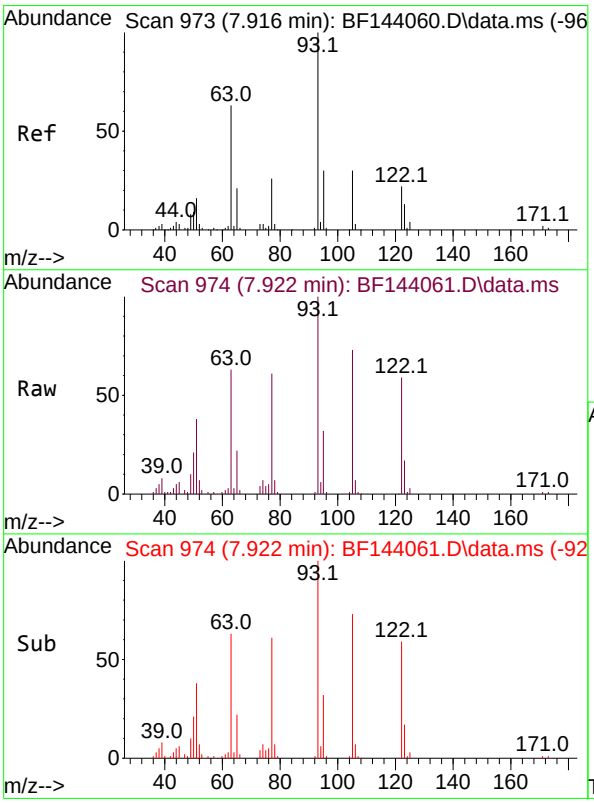
#31
Naphthalene
Concen: 45.150 ng
RT: 8.187 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 400308

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.4	12.6
127	12.9	9.9	14.9

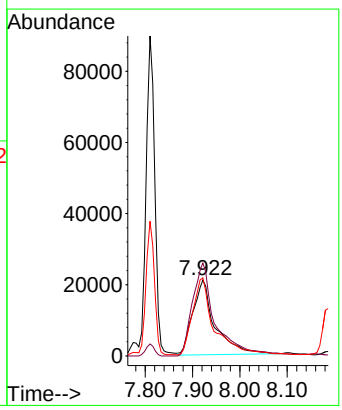


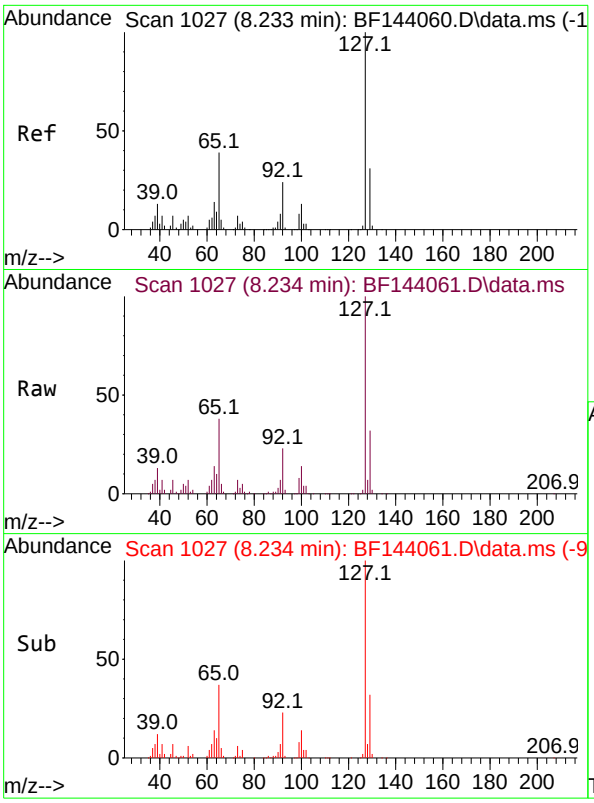


#32
Benzoic acid
Concen: 42.326 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:122 Resp: 68843

Ion	Ratio	Lower	Upper
122	100		
105	122.6	111.3	151.3
77	102.9	96.7	136.7



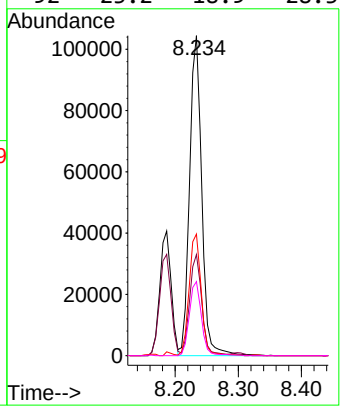


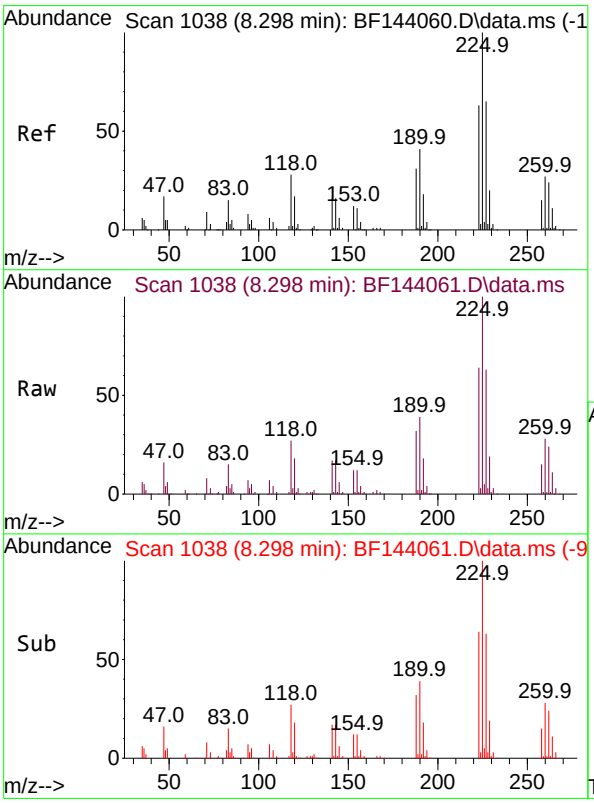
#33
4-Chloroaniline
Concen: 45.326 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 139897

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.6	38.4
65	38.0	30.9	46.3
92	23.2	18.9	28.3

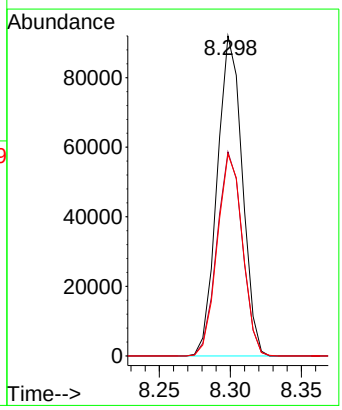


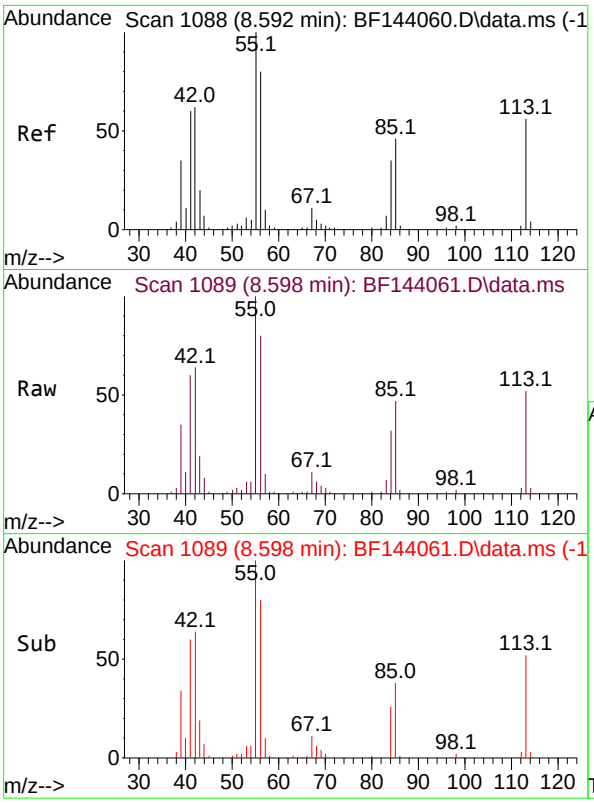


#34
Hexachlorobutadiene
Concen: 45.117 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:225 Resp: 113173

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	63.0	51.8	77.8



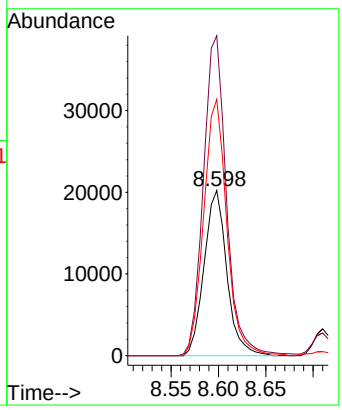


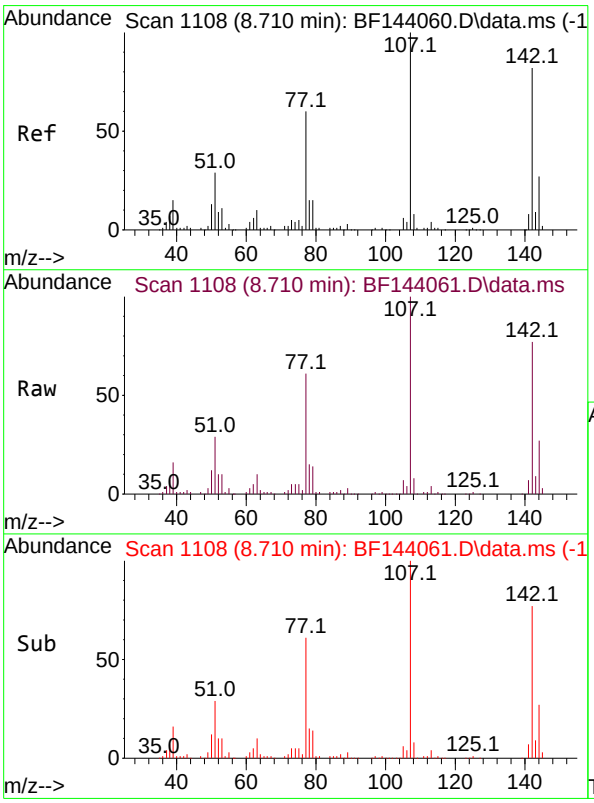
#35
Caprolactam
Concen: 45.169 ng
RT: 8.598 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 33776

Ion	Ratio	Lower	Upper
113	100		
55	194.0	160.1	200.1
56	155.4	124.9	164.9

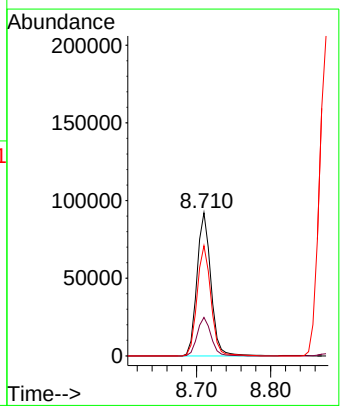


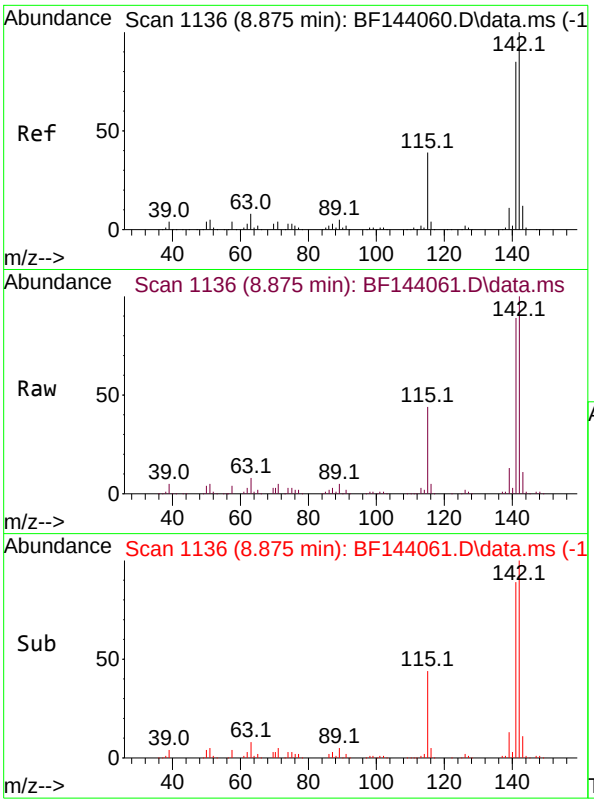


#36
4-Chloro-3-methylphenol
Concen: 45.853 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:107 Resp: 120661

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.6	32.4
142	77.0	65.4	98.0



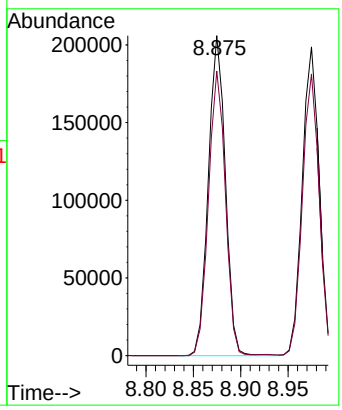


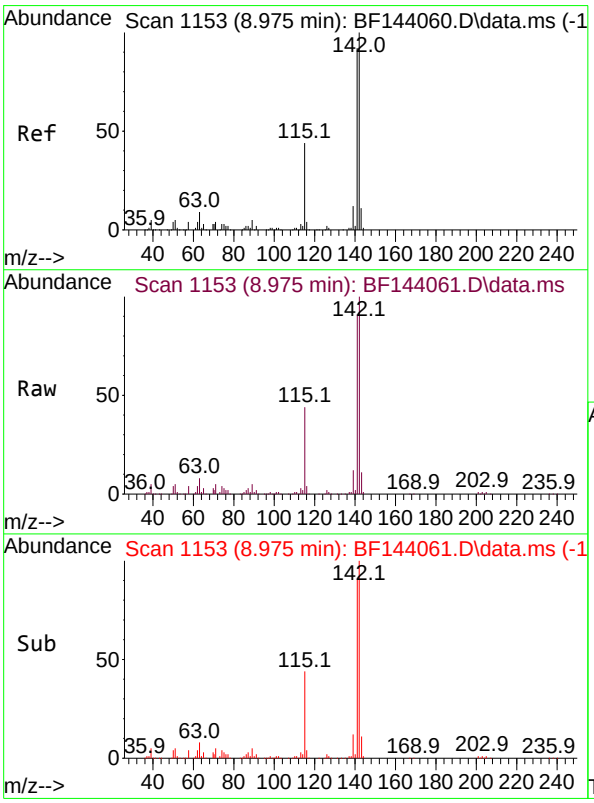
#37
2-Methylnaphthalene
Concen: 44.094 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 257754

Ion	Ratio	Lower	Upper
142	100		
141	88.9	67.6	101.4

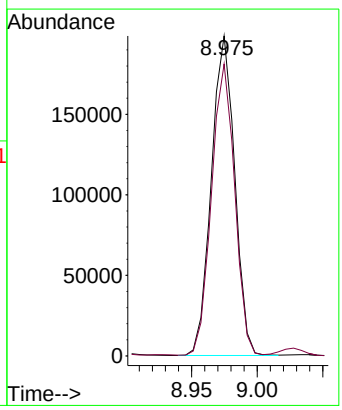


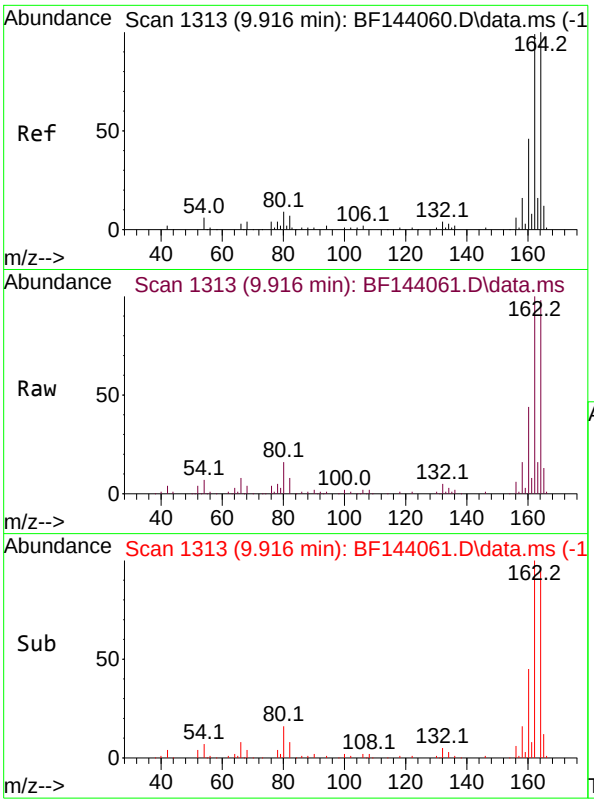


#38
1-Methylnaphthalene
Concen: 44.400 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:142 Resp: 245890

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.4	110.2



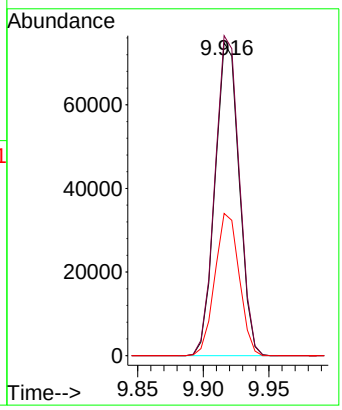


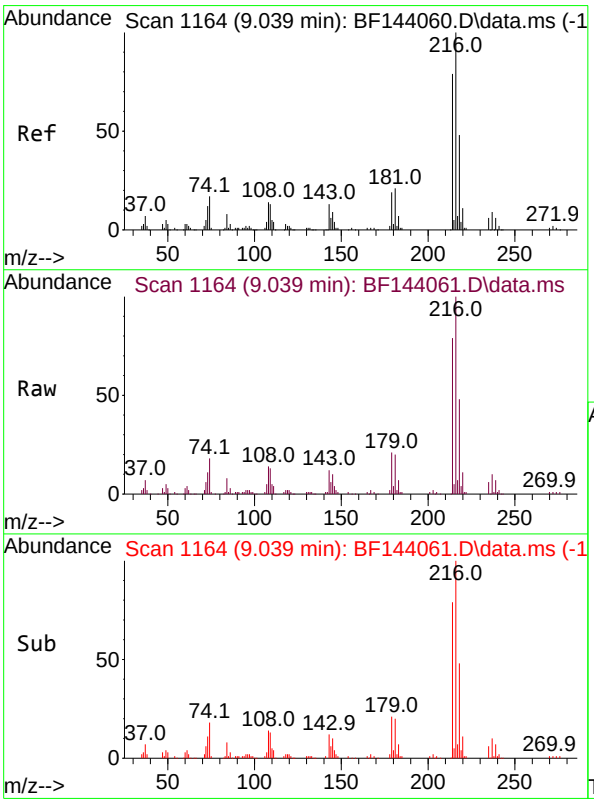
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 95790

Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.4	119.2
160	45.5	36.7	55.1

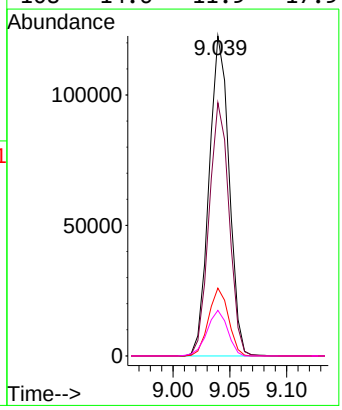


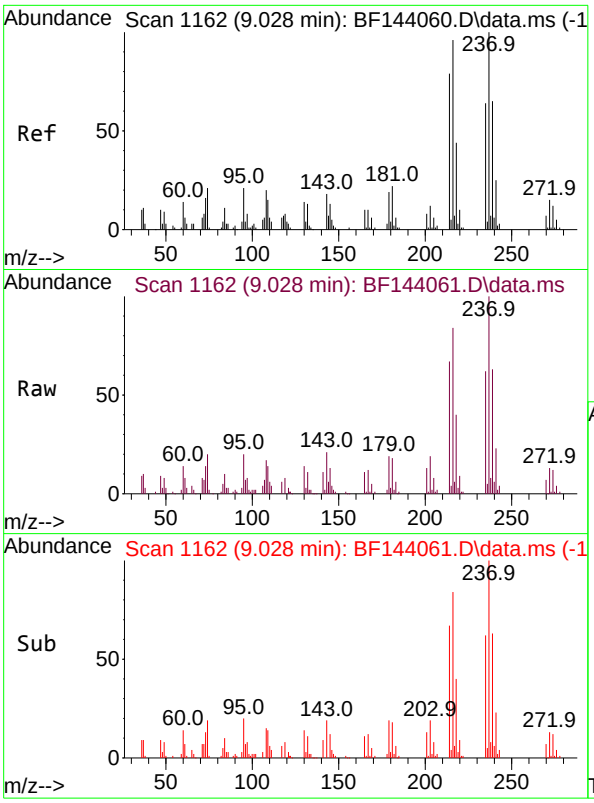


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.764 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:216 Resp: 150659

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.2	94.8
179	20.9	15.2	22.8
108	14.6	11.9	17.9



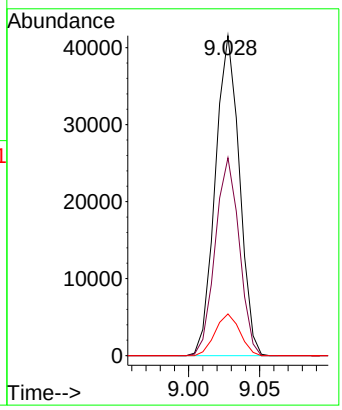


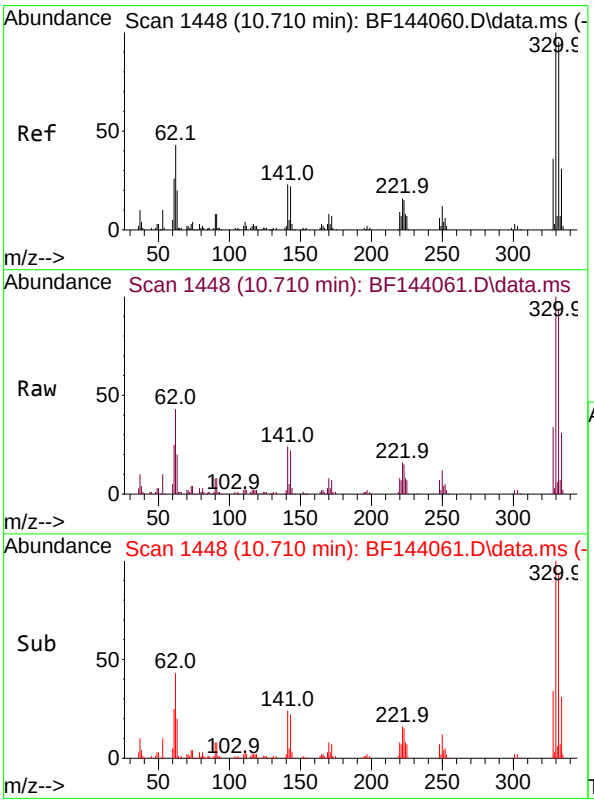
#41
Hexachlorocyclopentadiene
Concen: 48.354 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 49167

Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.3	84.3
272	13.0	0.0	35.2

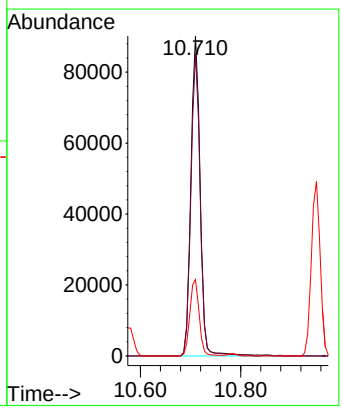


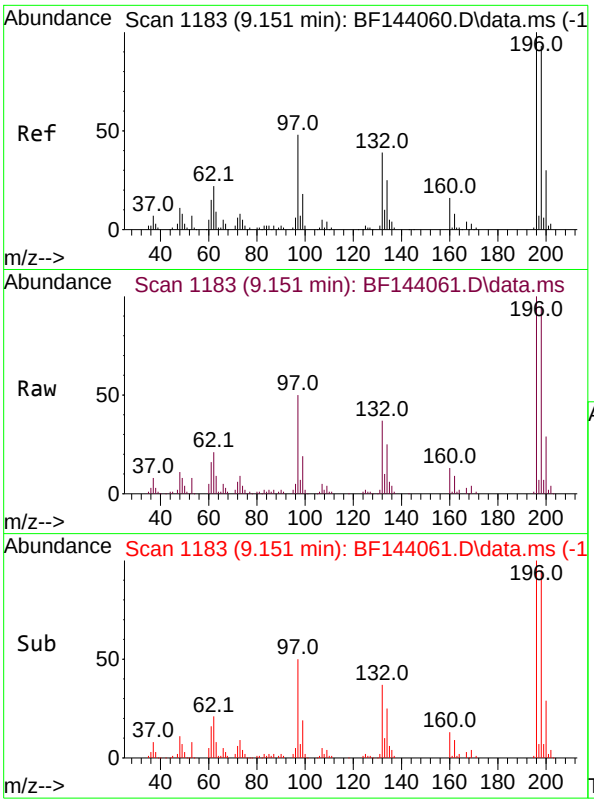


#42
2,4,6-Tribromophenol
Concen: 94.659 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:330 Resp: 115501

Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	24.0	19.4	29.0



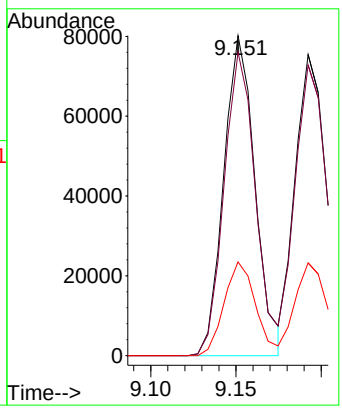


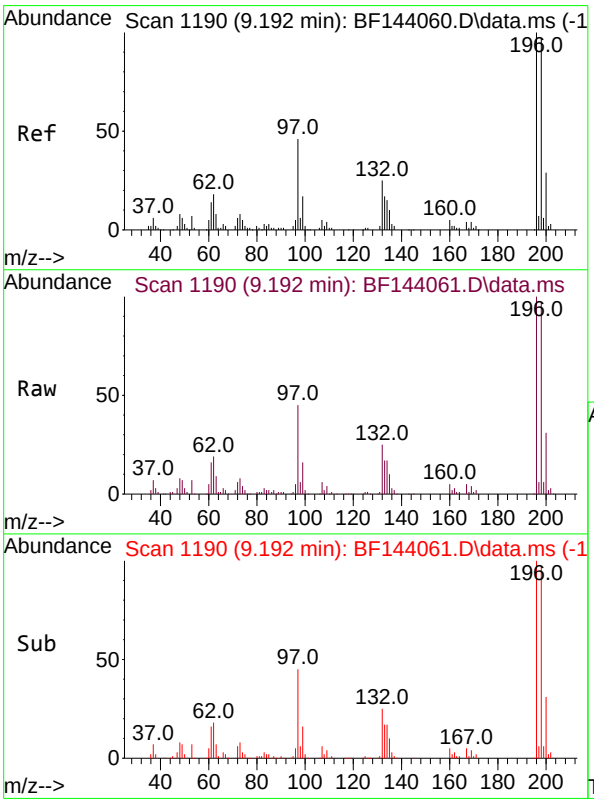
#43
2,4,6-Trichlorophenol
Concen: 47.829 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 102347

Ion	Ratio	Lower	Upper
196	100		
198	94.8	74.4	111.6
200	29.3	23.8	35.8

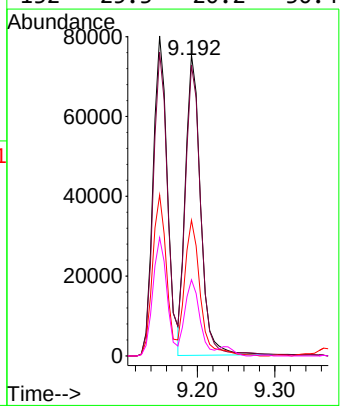


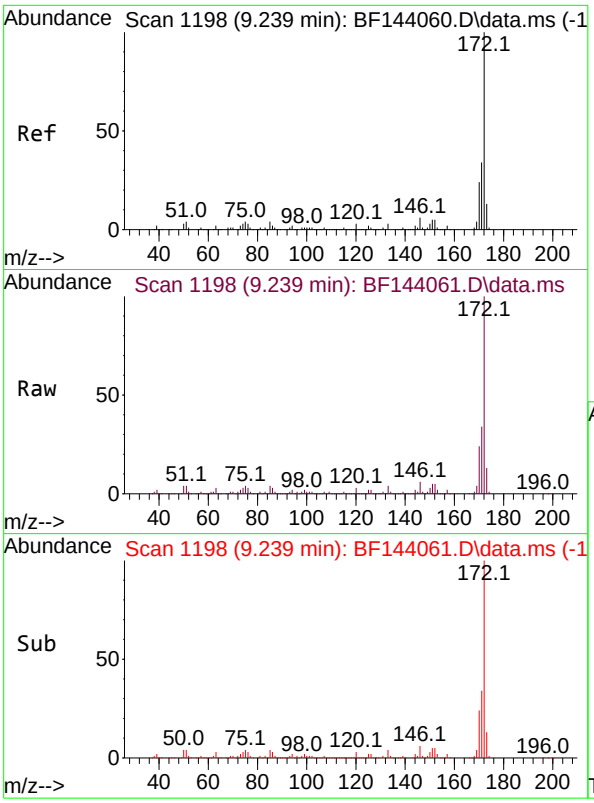


#44
2,4,5-Trichlorophenol
Concen: 45.562 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:196 Resp: 102322

Ion	Ratio	Lower	Upper
196	100		
198	96.6	78.0	117.0
97	45.1	37.7	56.5
132	25.3	20.2	30.4



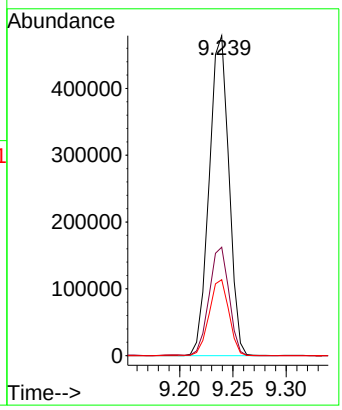


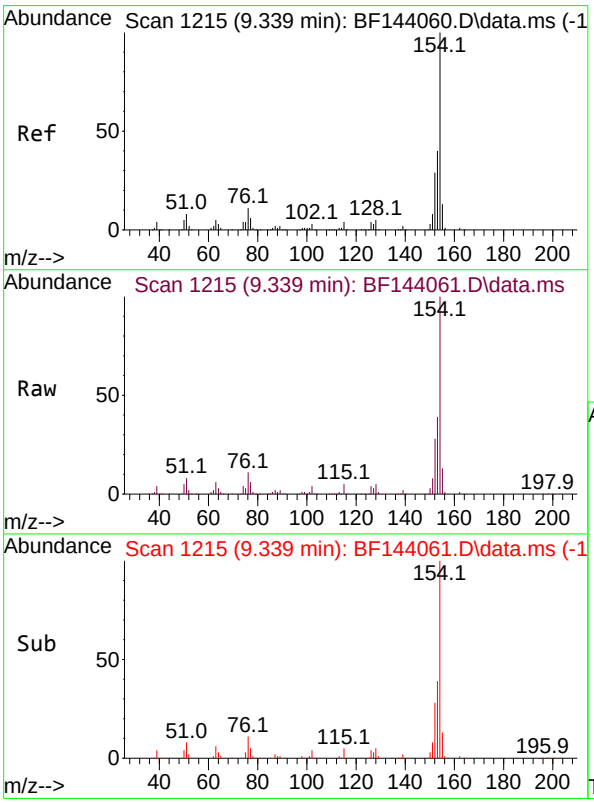
#45
2-Fluorobiphenyl
Concen: 90.861 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 618497

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.5	41.3
170	23.7	19.0	28.6

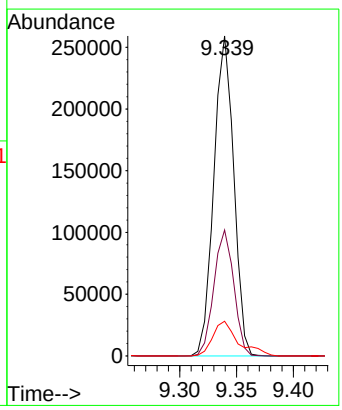


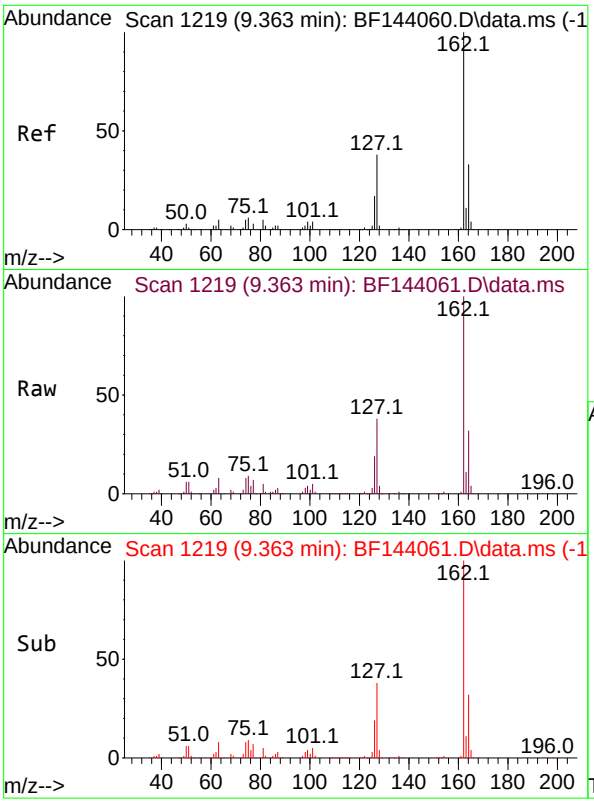


#46
1,1'-Biphenyl
Concen: 45.996 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:154 Resp: 315397

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	10.8	0.0	31.1



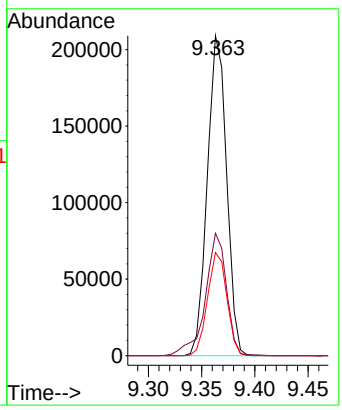


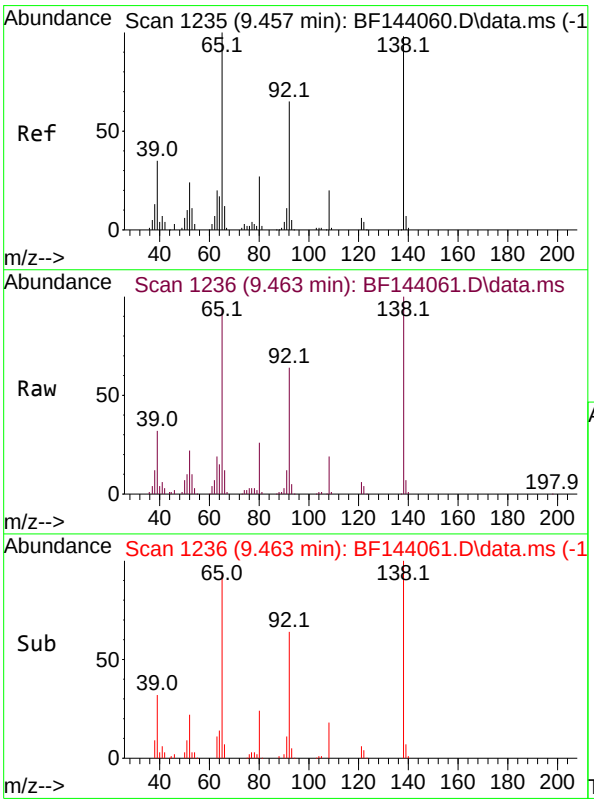
#47
2-Chloronaphthalene
Concen: 45.914 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 263764

Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.6	47.4
164	32.2	26.5	39.7

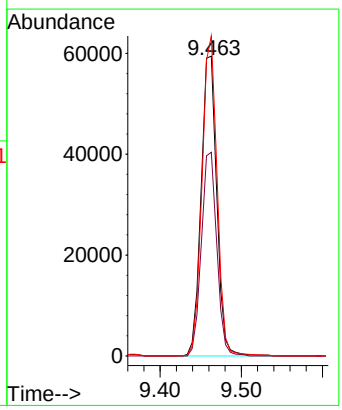


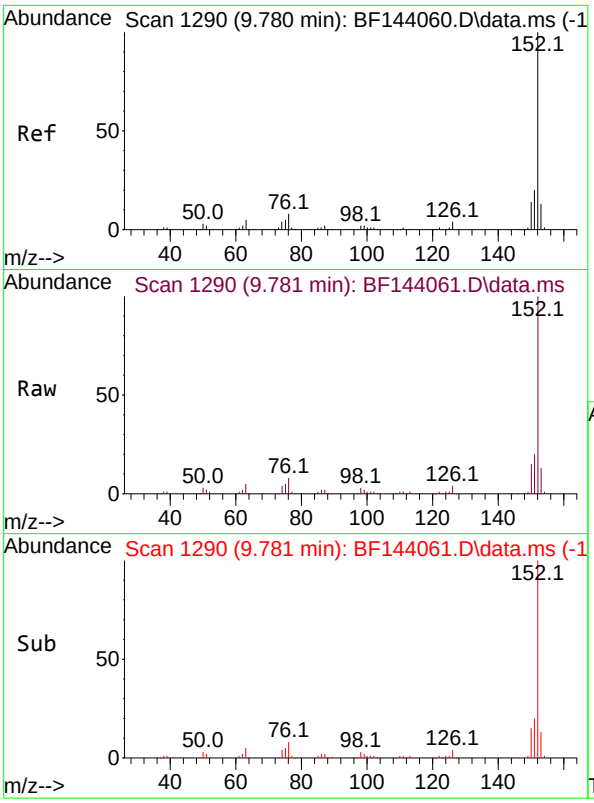


#48
2-Nitroaniline
Concen: 46.691 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 65 Resp: 79650

Ion	Ratio	Lower	Upper
65	100		
92	67.9	52.3	78.5
138	106.7	78.3	117.5



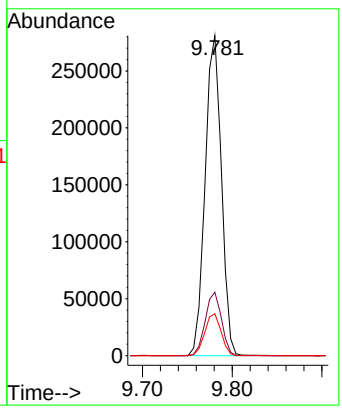


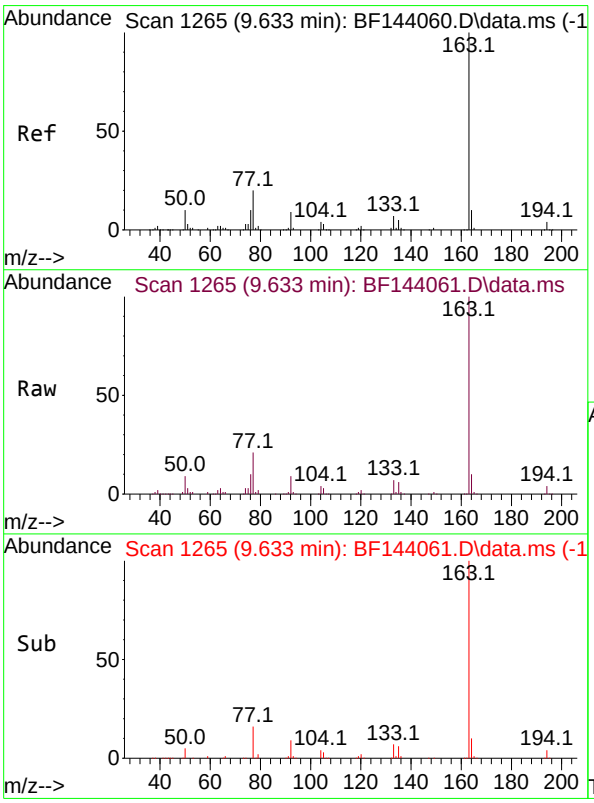
#49
Acenaphthylene
Concen: 45.641 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 353529

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.4	15.6

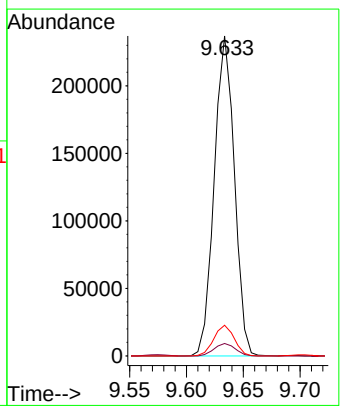


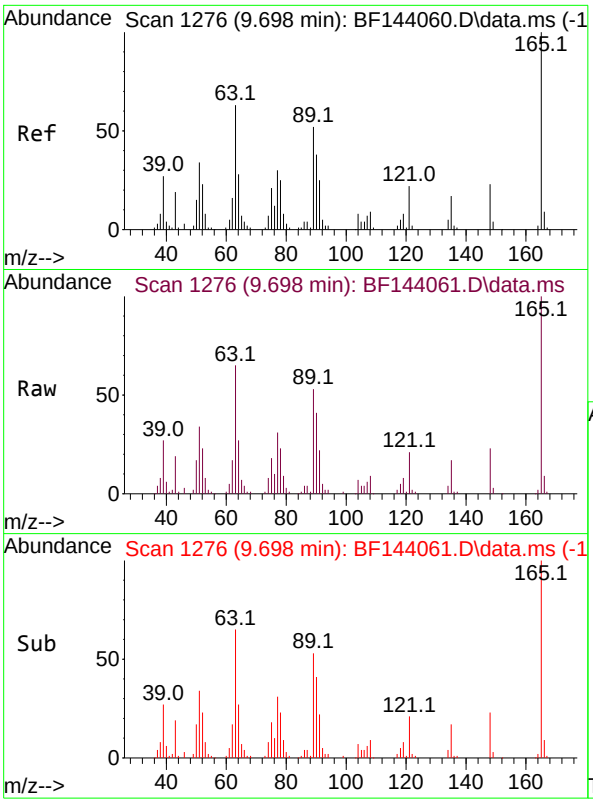


#50
Dimethylphthalate
Concen: 46.495 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:163 Resp: 291936

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.6	7.8	11.8



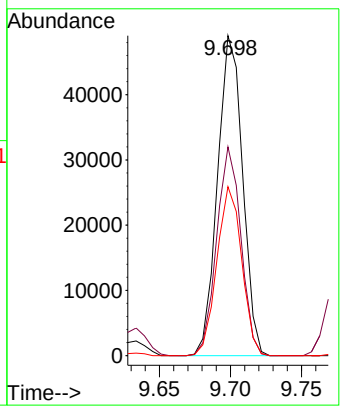


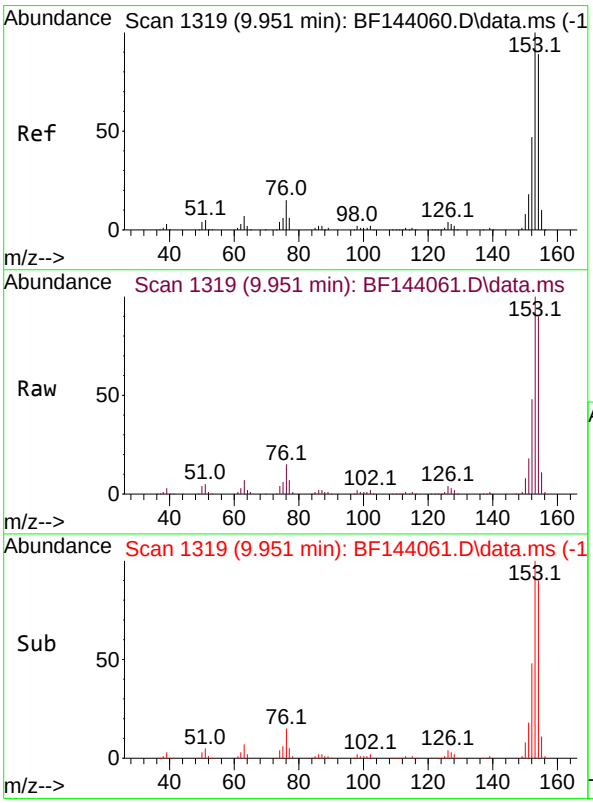
#51
2,6-Dinitrotoluene
Concen: 48.590 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 60313

Ion	Ratio	Lower	Upper
165	100		
63	65.2	50.4	75.6
89	52.8	41.4	62.2

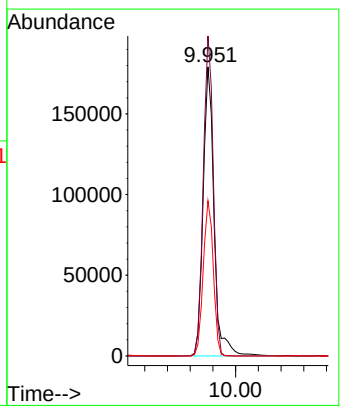


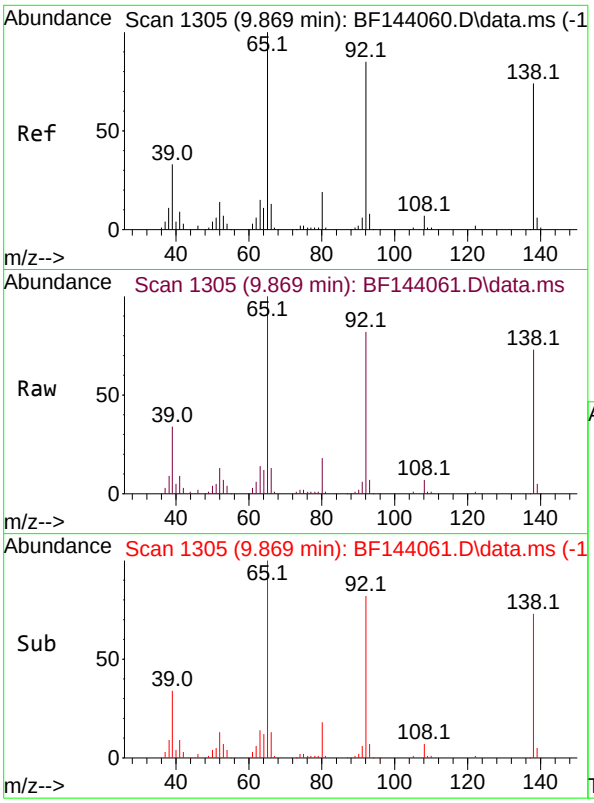


#52
Acenaphthene
Concen: 46.250 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:154 Resp: 239254

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.9	134.9
152	53.7	42.0	63.0



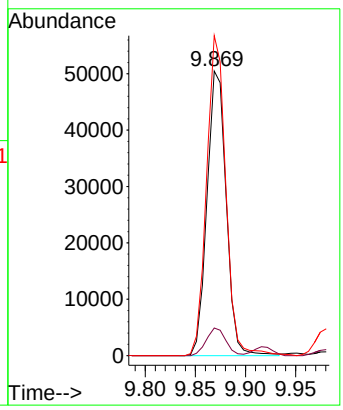


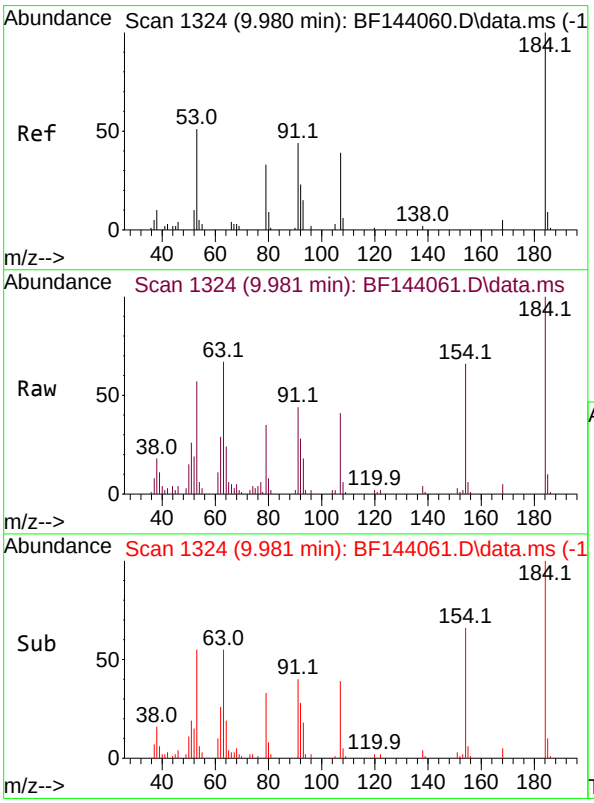
#53
3-Nitroaniline
Concen: 48.727 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 67246

Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.9	11.9
92	112.5	92.0	138.0

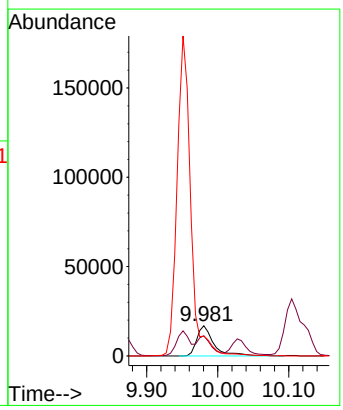


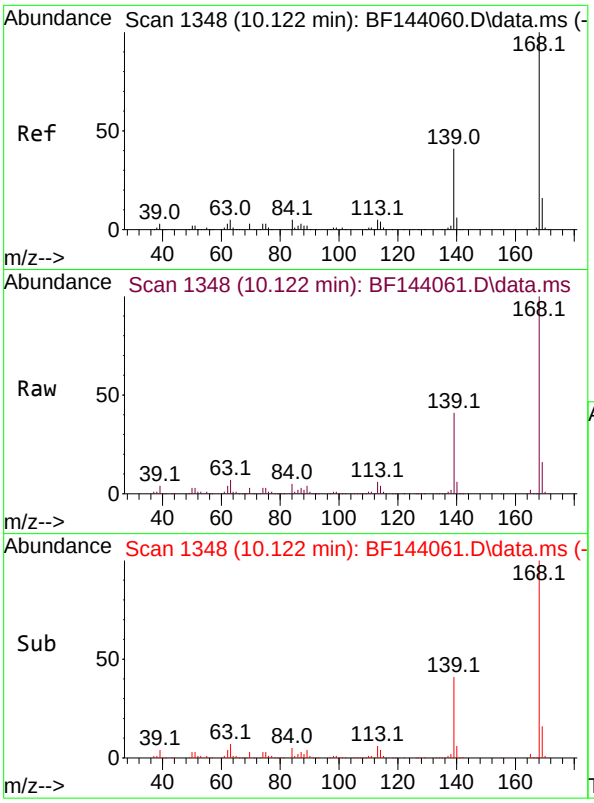


#54
2,4-Dinitrophenol
Concen: 41.328 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:184 Resp: 27746

Ion	Ratio	Lower	Upper
184	100		
63	66.6	52.1	78.1
154	66.0	47.9	71.9



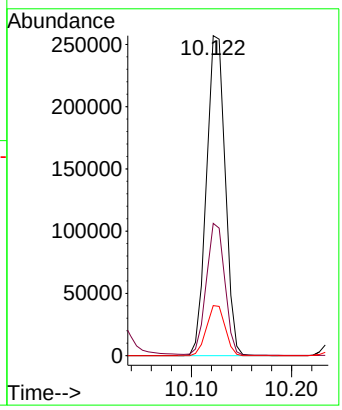


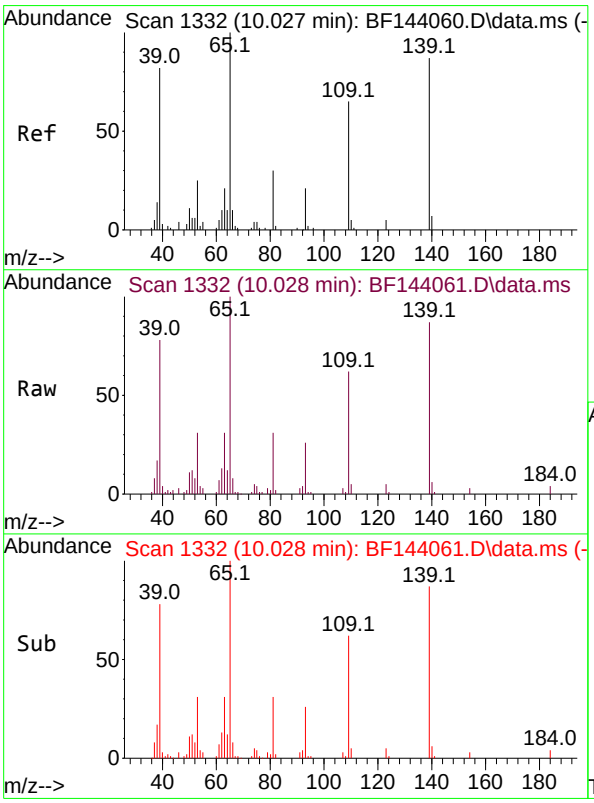
#55
Dibenzofuran
Concen: 46.390 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 333154

Ion	Ratio	Lower	Upper
168	100		
139	41.3	33.2	49.8
169	15.6	12.6	19.0

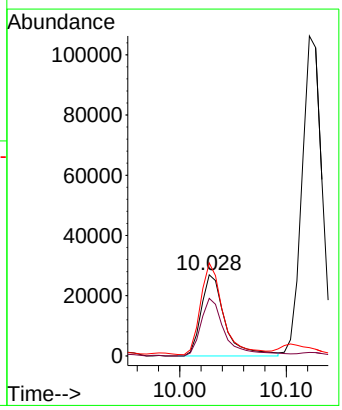


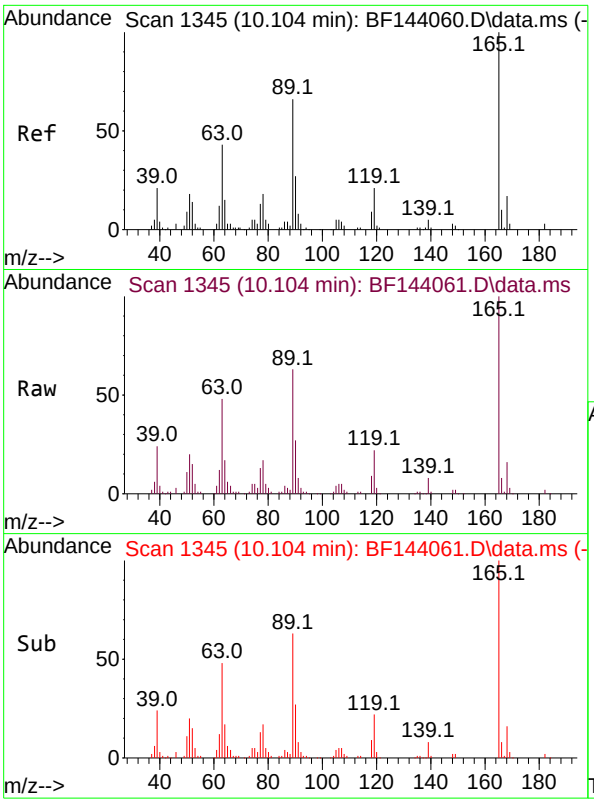


#56
4-Nitrophenol
Concen: 44.760 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:139 Resp: 41829

Ion	Ratio	Lower	Upper
139	100		
109	71.1	53.8	93.8
65	114.7	95.9	135.9



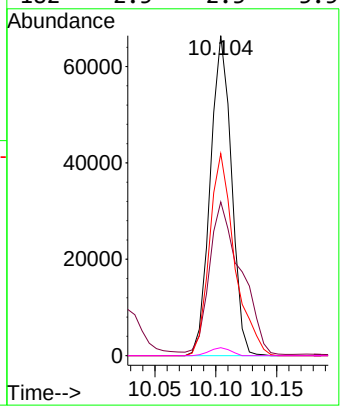


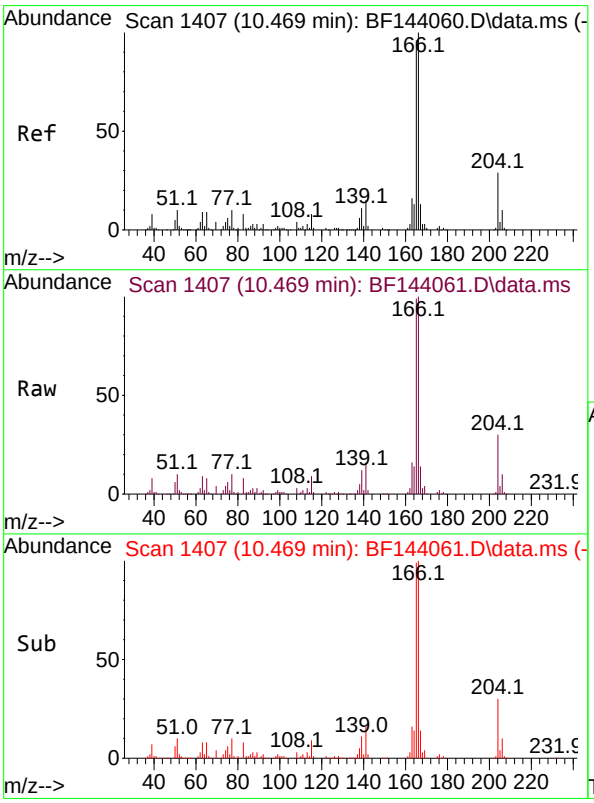
#57
2,4-Dinitrotoluene
Concen: 48.075 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 80539

Ion	Ratio	Lower	Upper
165	100		
63	48.0	35.4	53.2
89	63.1	52.7	79.1
182	2.5	2.3	3.5

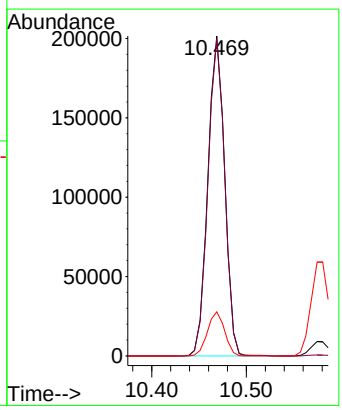


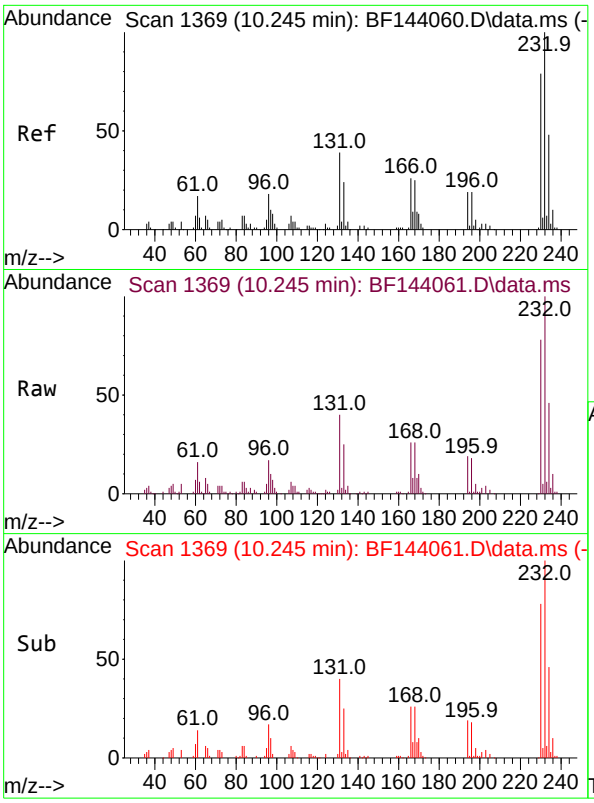


#58
Fluorene
Concen: 45.558 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:166 Resp: 249298

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.0	115.4
167	13.8	10.2	15.4



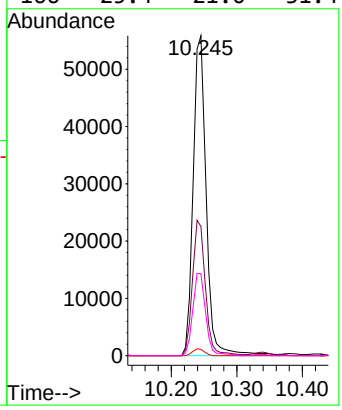


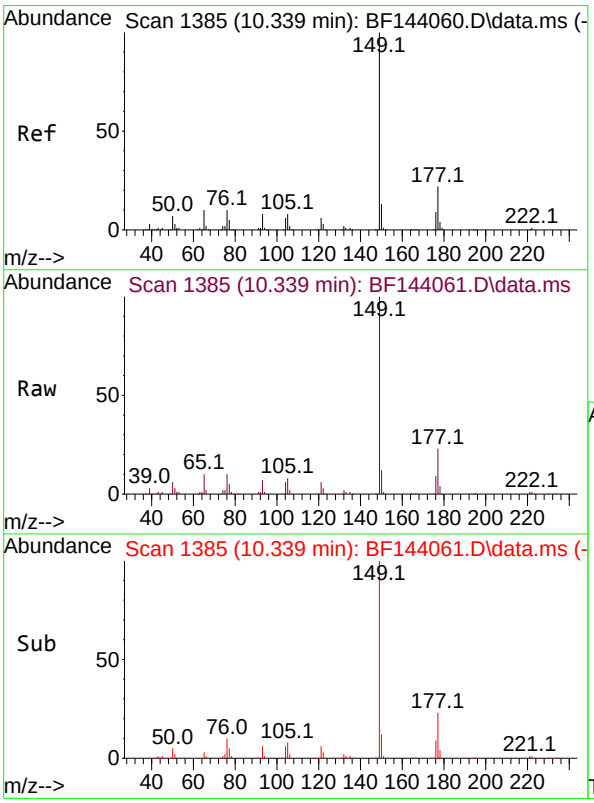
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.766 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 77175

Ion	Ratio	Lower	Upper
232	100		
131	42.1	31.9	47.9
130	1.9	1.1	1.7#
166	25.4	21.0	31.4

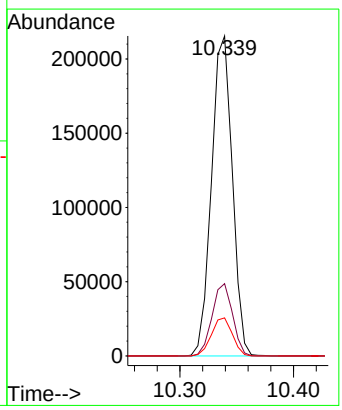


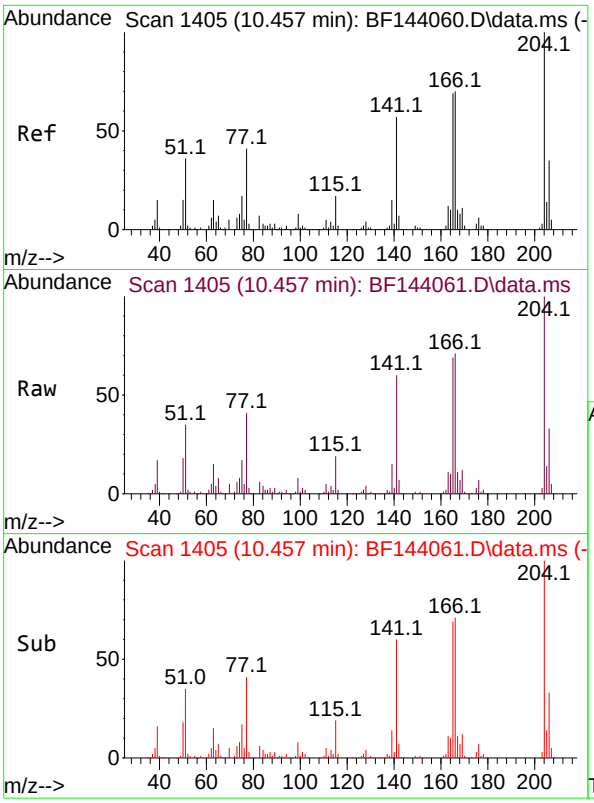


#60
Diethylphthalate
Concen: 46.451 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:149 Resp: 274281

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	11.9	10.1	15.1



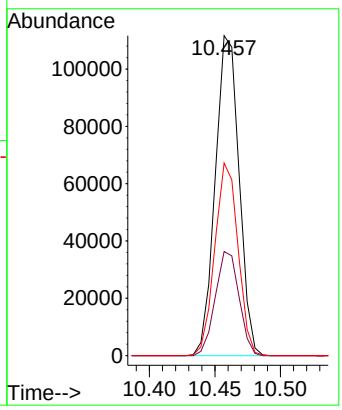


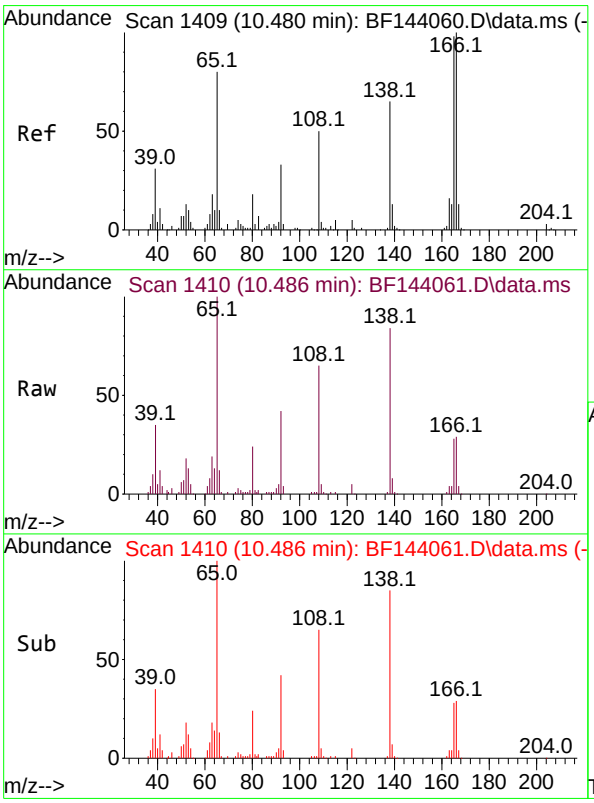
#61
4-Chlorophenyl-phenylether
Concen: 46.015 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 141601

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.8	41.6
141	60.2	45.4	68.2

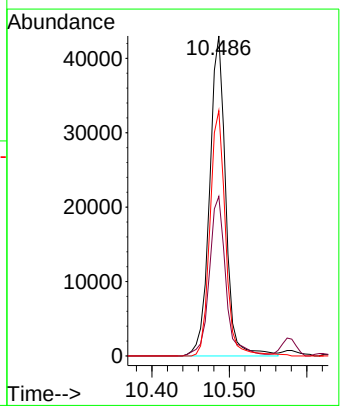


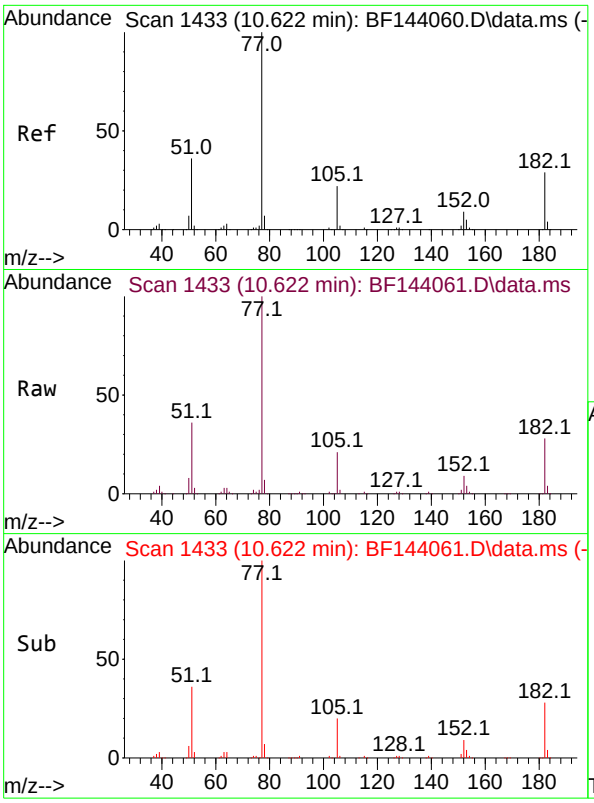


#62
4-Nitroaniline
Concen: 47.618 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:138 Resp: 62266

Ion	Ratio	Lower	Upper
138	100		
92	49.8	30.5	70.5
108	76.6	56.2	96.2



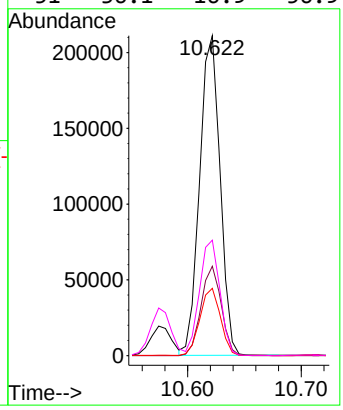


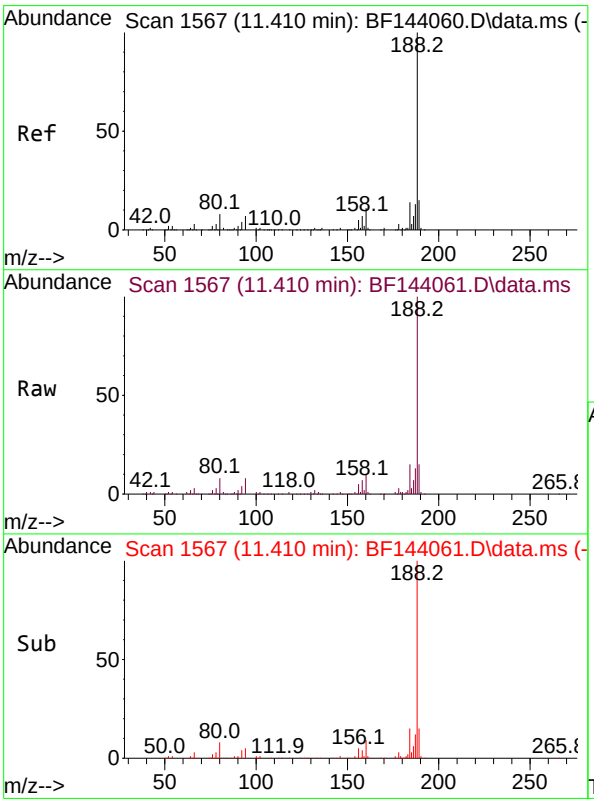
#63
Azobenzene
Concen: 47.243 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 264030

Ion	Ratio	Lower	Upper
77	100		
182	27.9	9.0	49.0
105	21.0	1.4	41.4
51	36.1	16.9	56.9

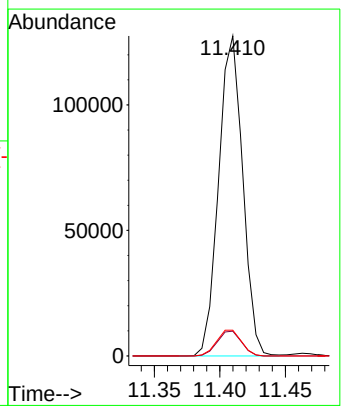


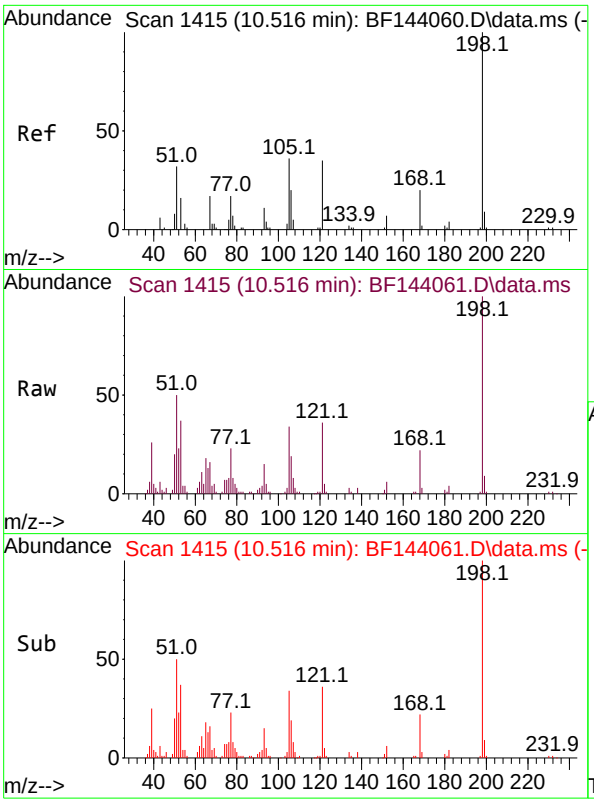


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:188 Resp: 163068

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.4	8.0
80	8.0	6.0	9.0



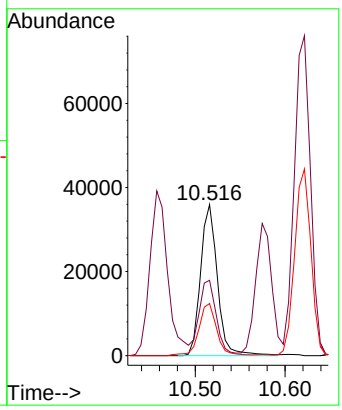


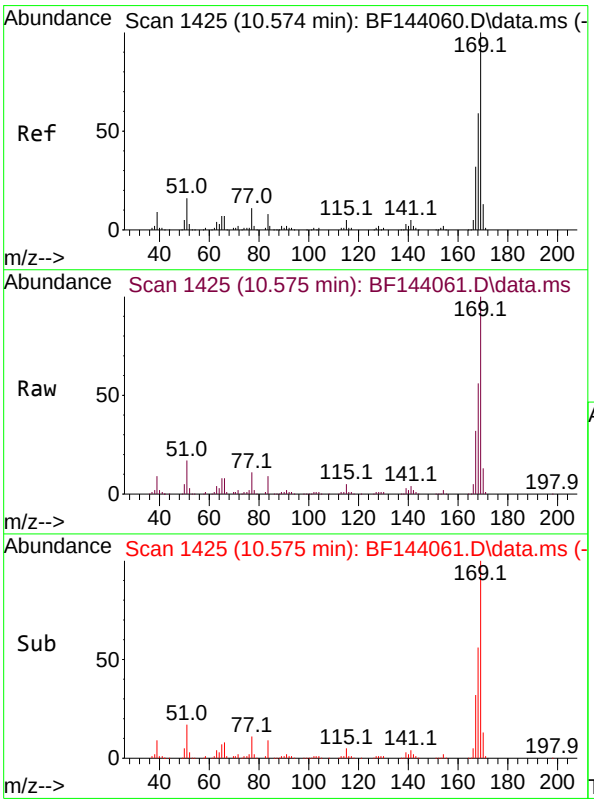
#65
4,6-Dinitro-2-methylphenol
Concen: 44.864 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 46938

Ion	Ratio	Lower	Upper
198	100		
51	49.8	25.8	65.8
105	34.5	17.2	57.2

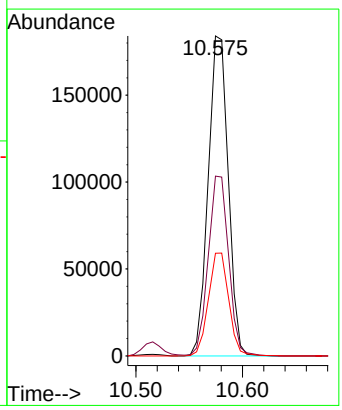


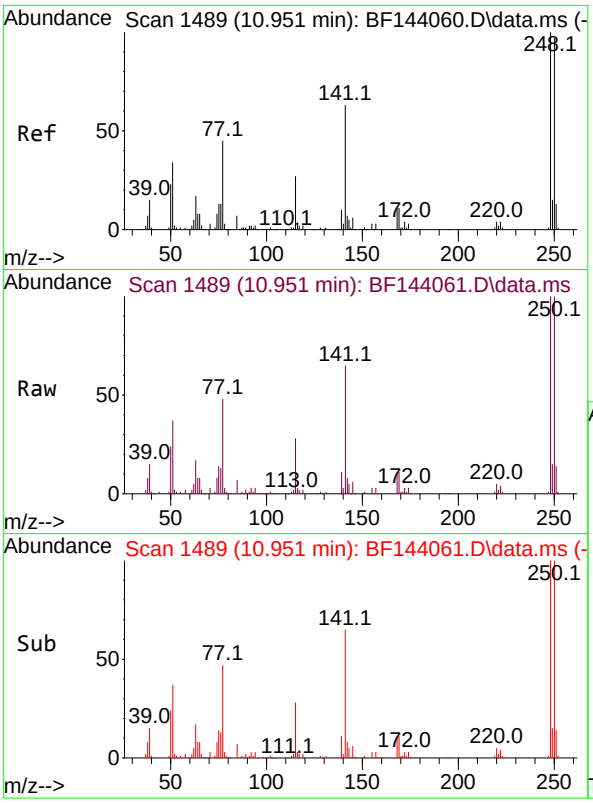


#66
n-Nitrosodiphenylamine
Concen: 46.171 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:169 Resp: 240557

Ion	Ratio	Lower	Upper
169	100		
168	56.2	47.4	71.2
167	32.1	25.5	38.3



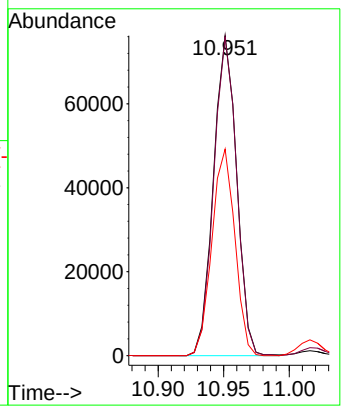


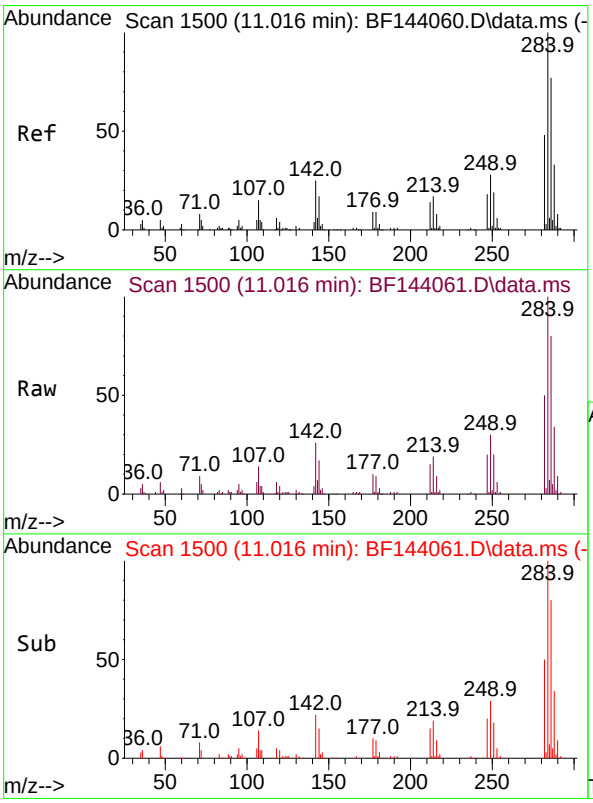
#67
4-Bromophenyl-phenylether
Concen: 45.996 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 93911

Ion	Ratio	Lower	Upper
248	100		
250	99.5	77.8	116.6
141	64.5	50.5	75.7

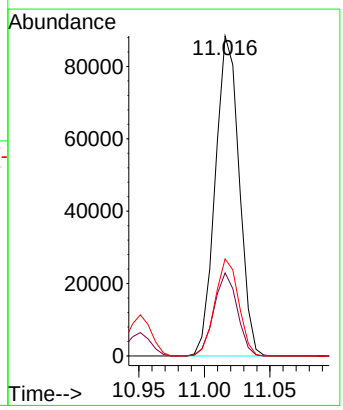


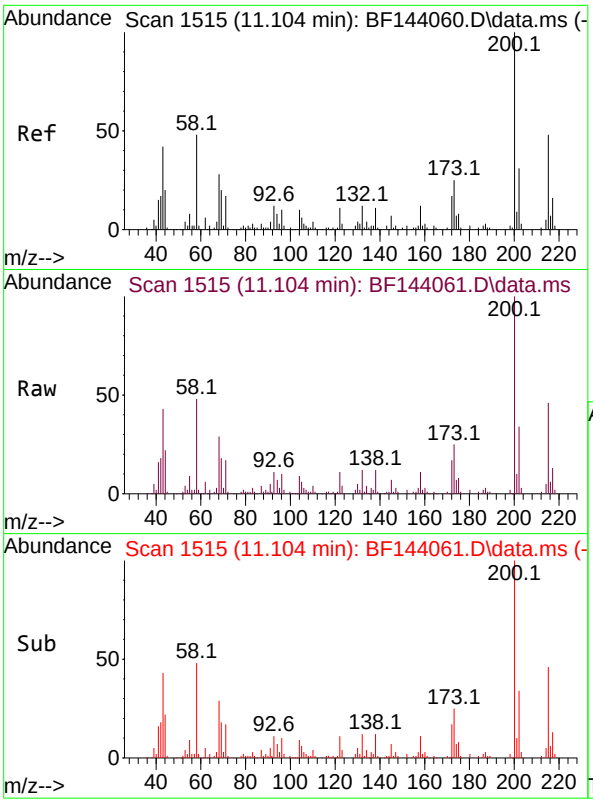


#68
Hexachlorobenzene
Concen: 44.706 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:284 Resp: 111943

Ion	Ratio	Lower	Upper
284	100		
142	25.9	20.0	30.0
249	30.3	22.2	33.2



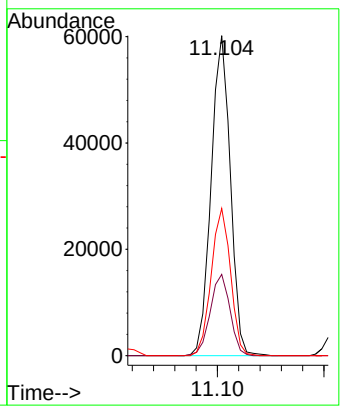


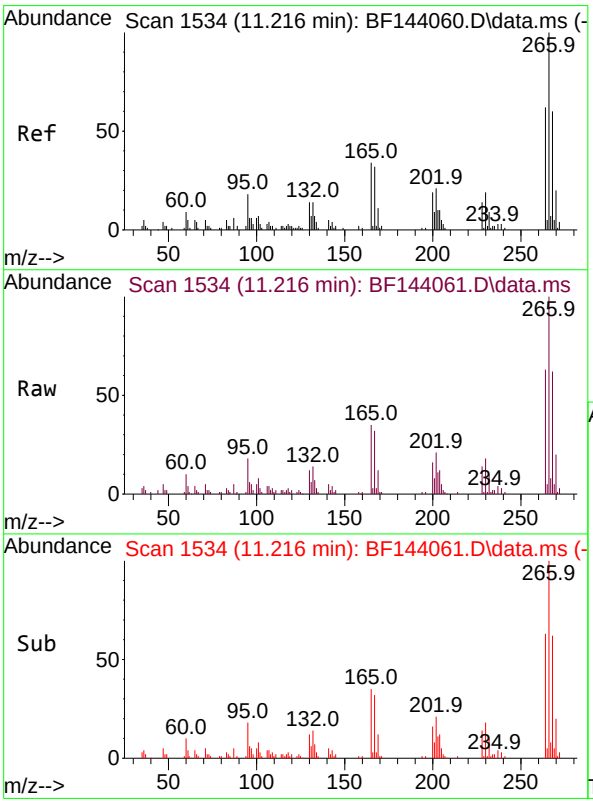
#69
Atrazine
Concen: 44.162 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 75502

Ion	Ratio	Lower	Upper
200	100		
173	25.4	4.9	44.9
215	46.0	28.2	68.2

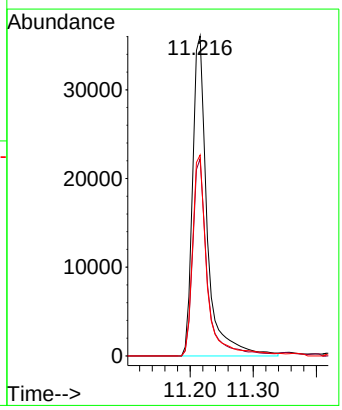


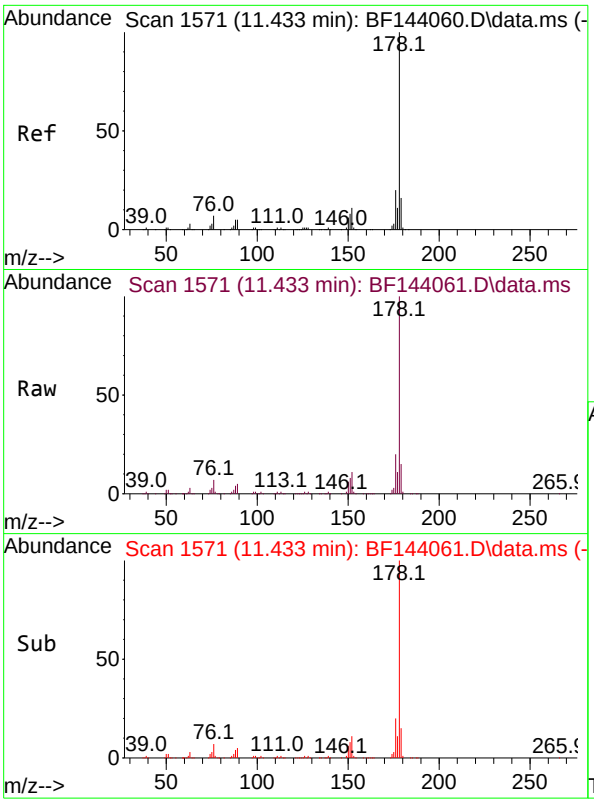


#70
Pentachlorophenol
Concen: 48.981 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:266 Resp: 58380

Ion	Ratio	Lower	Upper
266	100		
268	61.6	48.2	72.4
264	62.8	49.4	74.0



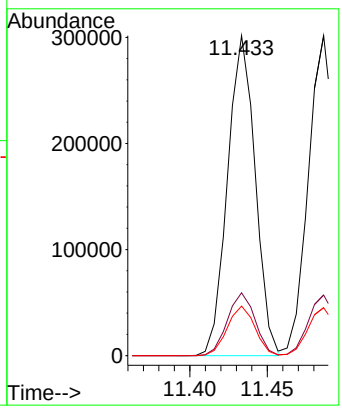


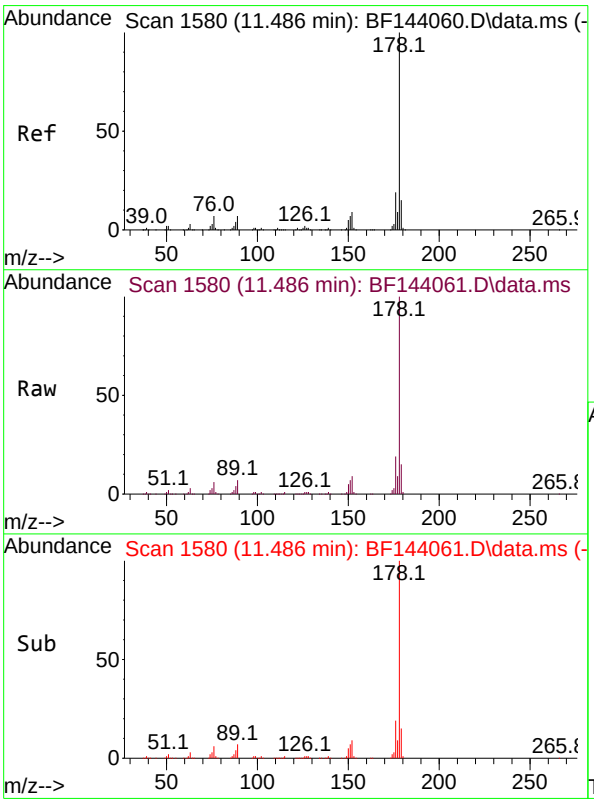
#71
Phenanthrene
Concen: 46.205 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 374285

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.5	12.6	18.8

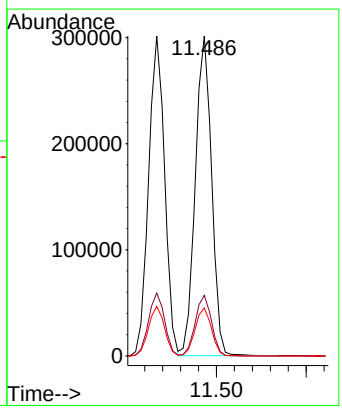


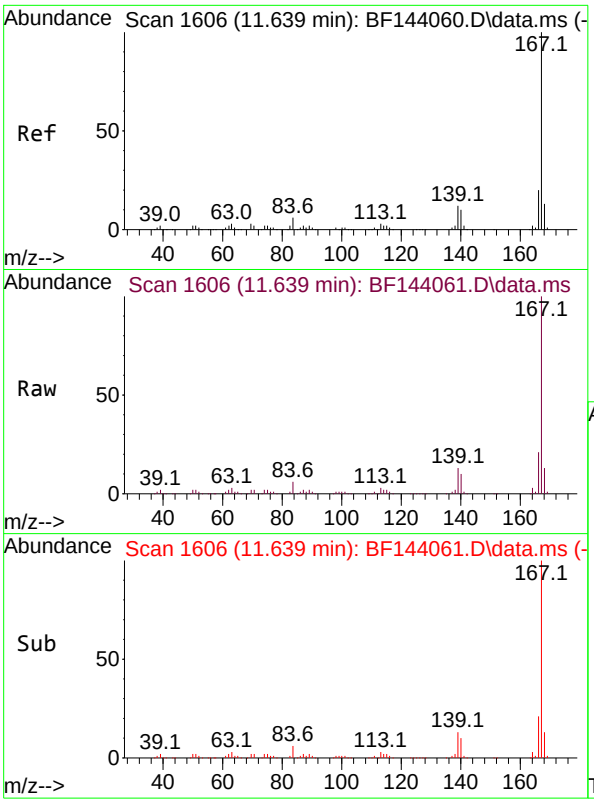


#72
Anthracene
Concen: 45.423 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:178 Resp: 380096

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	11.8	17.6



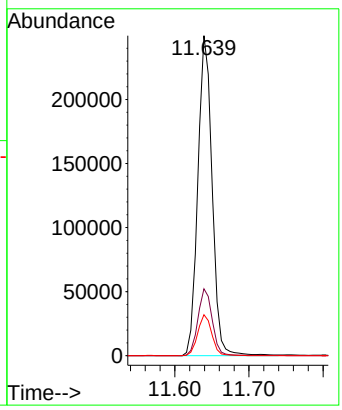


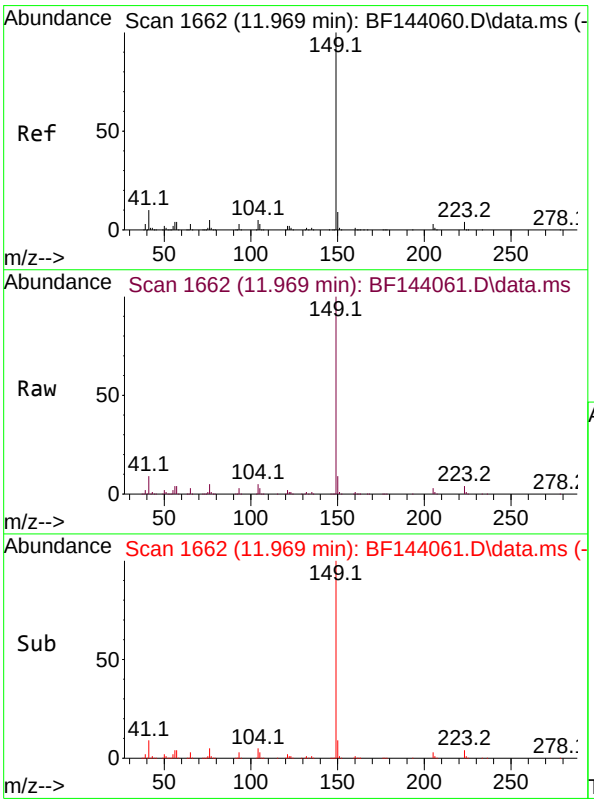
#73
Carbazole
Concen: 46.845 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 333654

Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.1	24.1
139	12.8	9.8	14.6

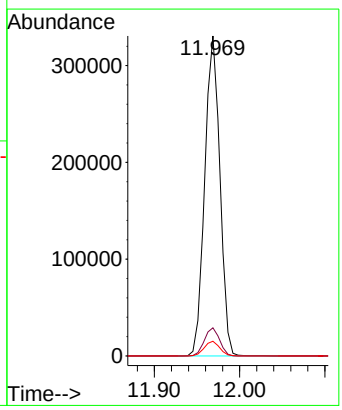


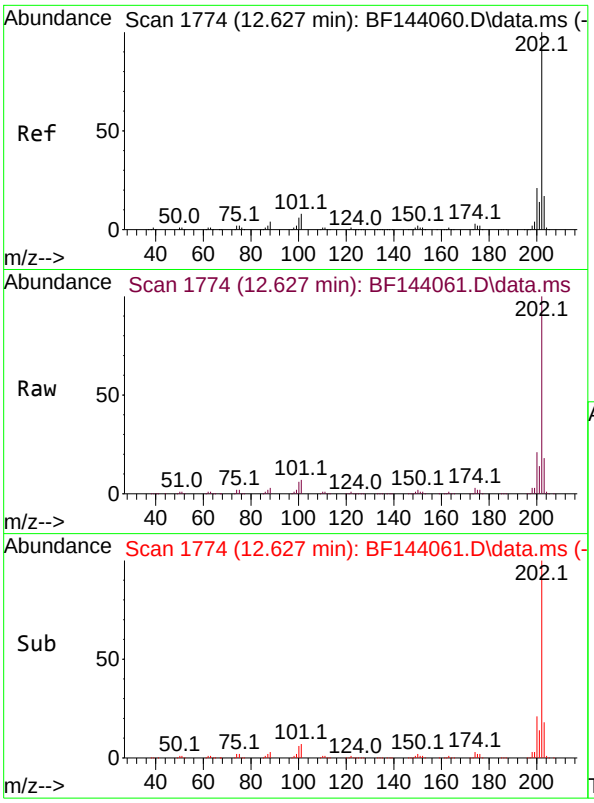


#74
Di-n-butylphthalate
Concen: 46.795 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:149 Resp: 408630

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.6	3.6	5.4



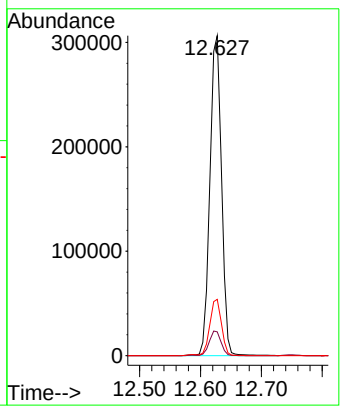


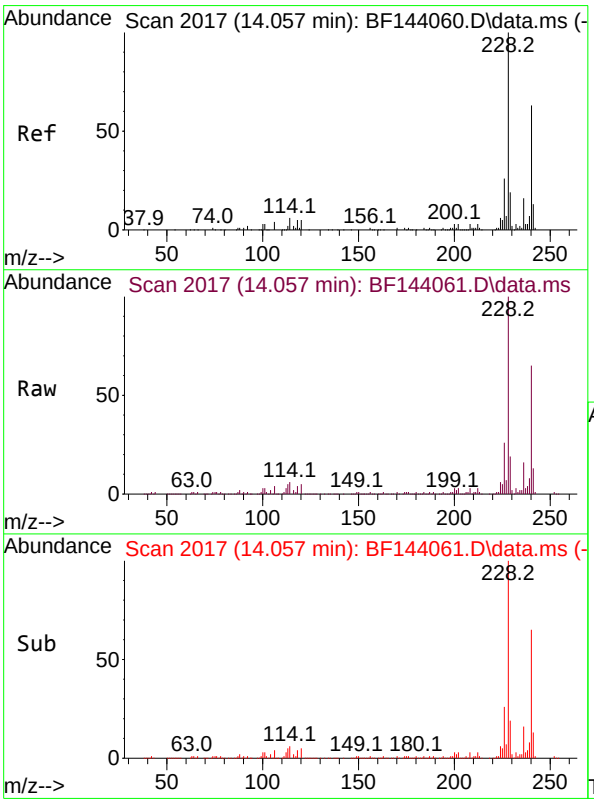
#75
Fluoranthene
Concen: 45.411 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 406402

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	27.7
203	17.6	0.0	37.3

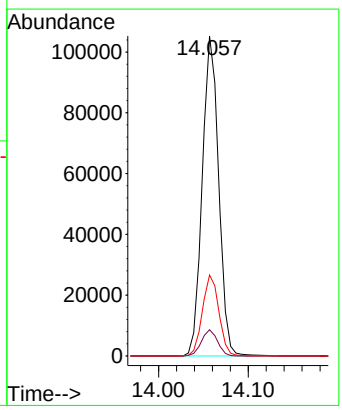


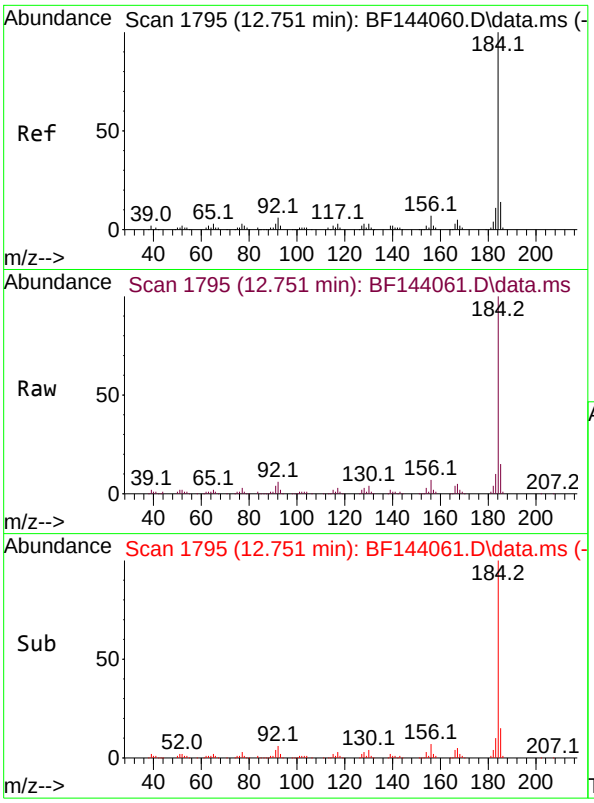


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:240 Resp: 133555

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.3	20.1	30.1



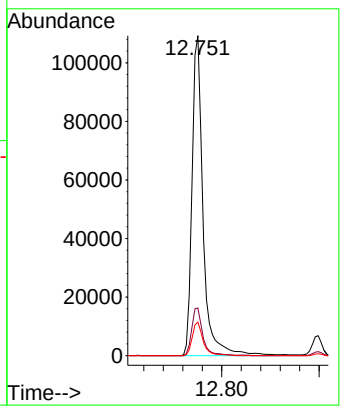


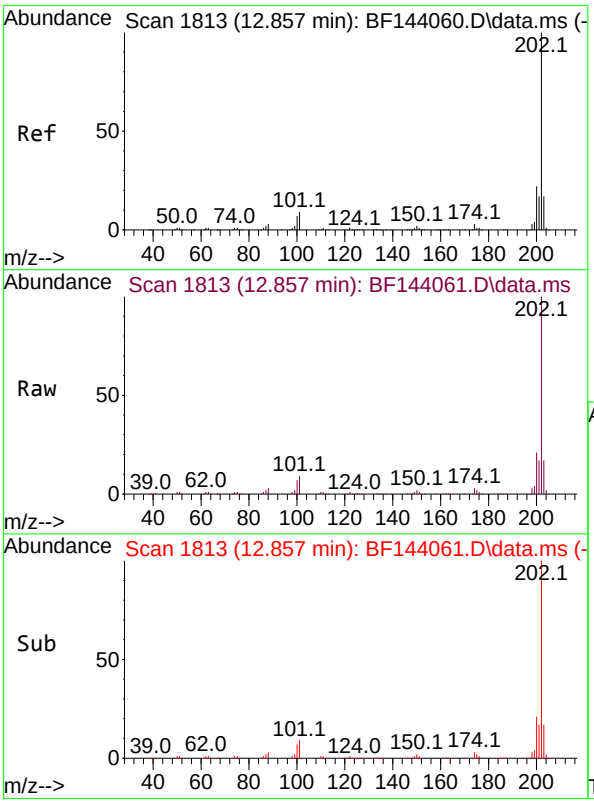
#77
Benzidine
Concen: 41.214 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 171303

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	10.5	8.5	12.7

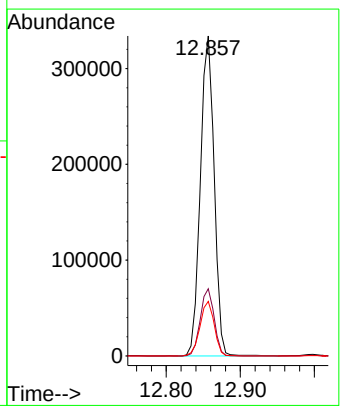


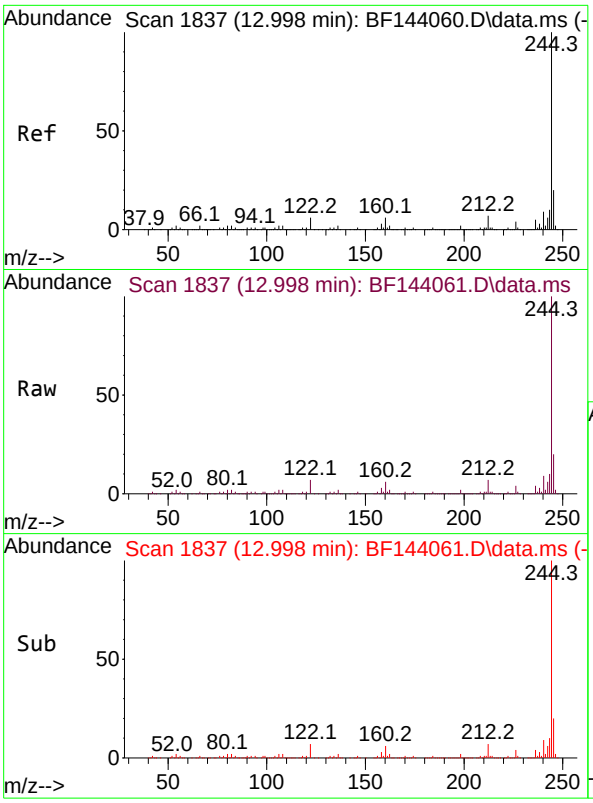


#78
Pyrene
Concen: 45.038 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:202 Resp: 432441

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.0	13.5	20.3



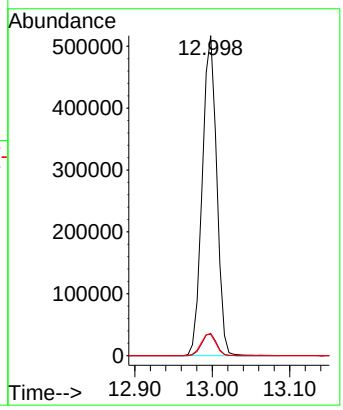


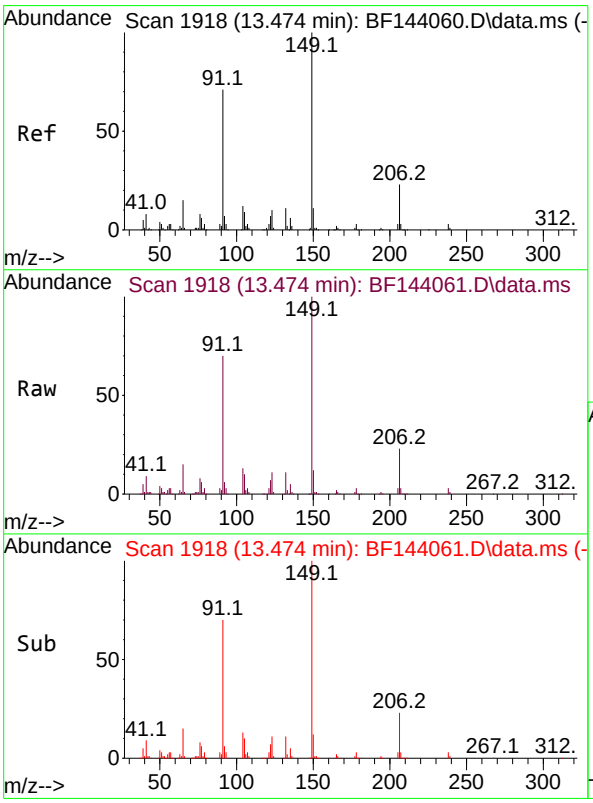
#79
Terphenyl-d14
Concen: 87.573 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 669013

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	6.6	4.9	7.3

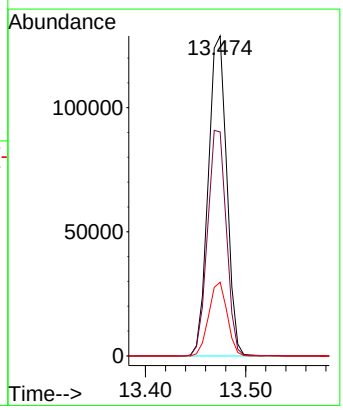


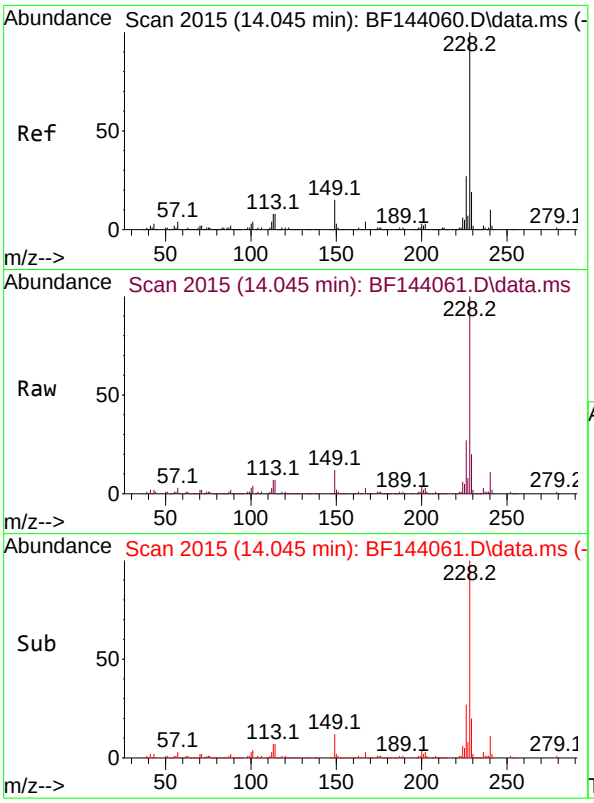


#80
Butylbenzylphthalate
Concen: 45.417 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:149 Resp: 164976

Ion	Ratio	Lower	Upper
149	100		
91	70.0	56.6	84.8
206	23.0	18.3	27.5



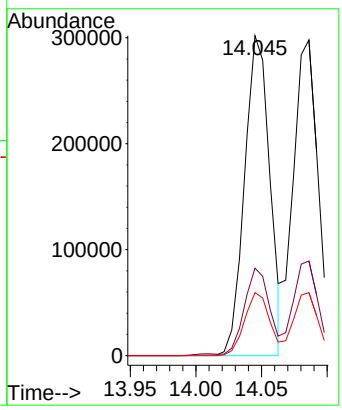


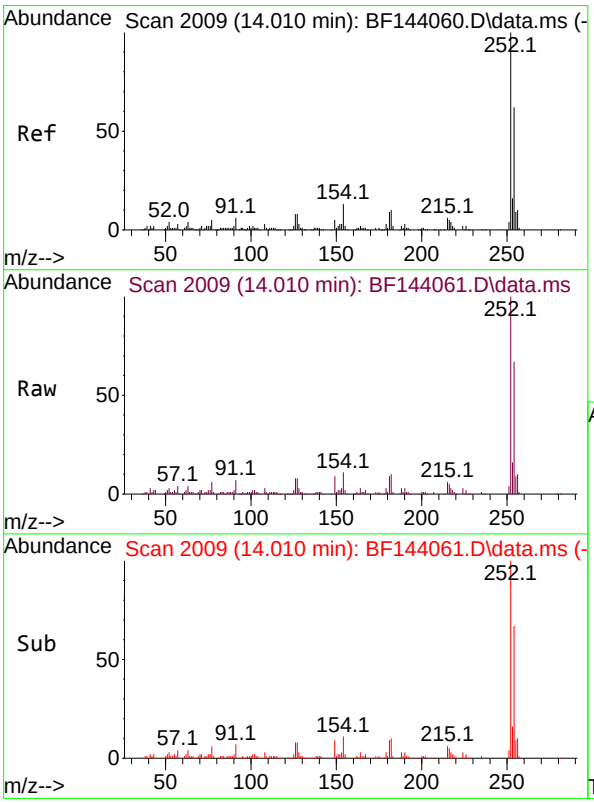
#81
Benzo(a)anthracene
Concen: 44.609 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 402629

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.7	15.3	22.9

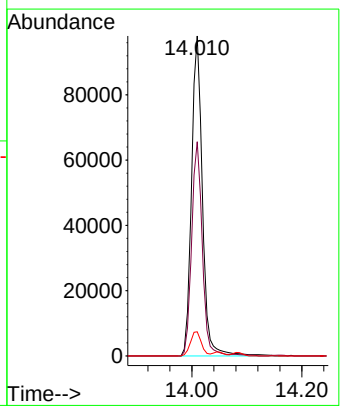


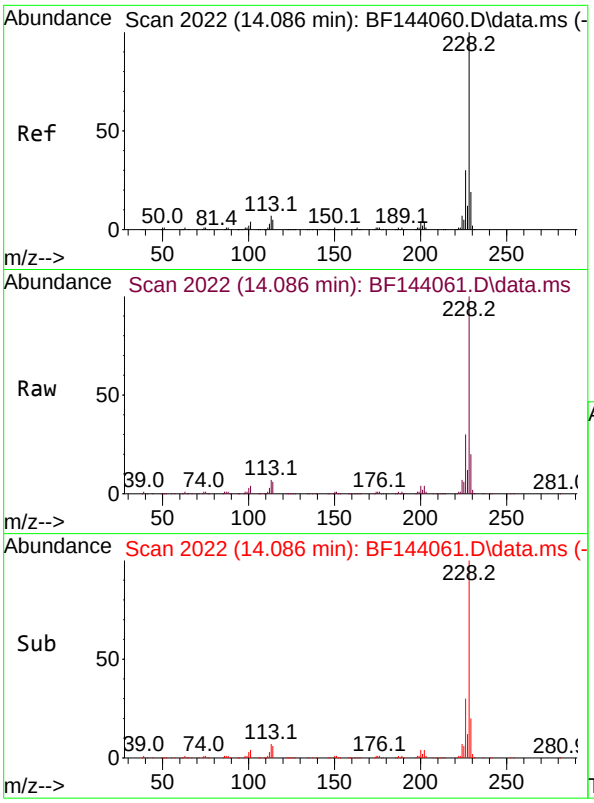


#82
3,3'-Dichlorobenzidine
Concen: 42.940 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:252 Resp: 134912

Ion	Ratio	Lower	Upper
252	100		
254	66.9	49.9	74.9
126	7.5	6.5	9.7



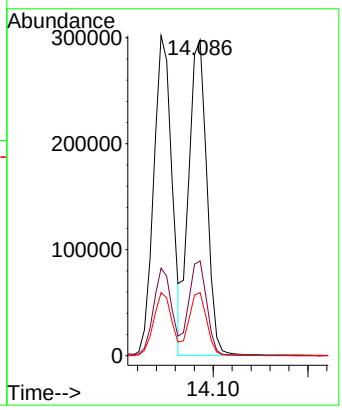


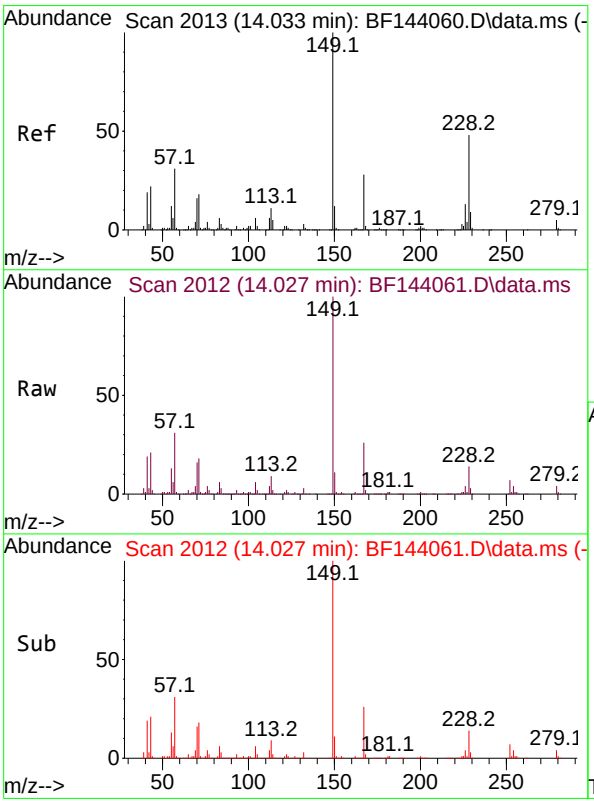
#83
Chrysene
Concen: 46.461 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 393508

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	19.9	15.6	23.4

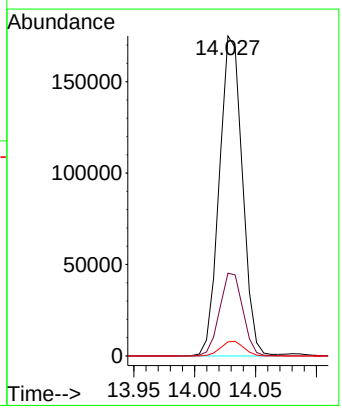


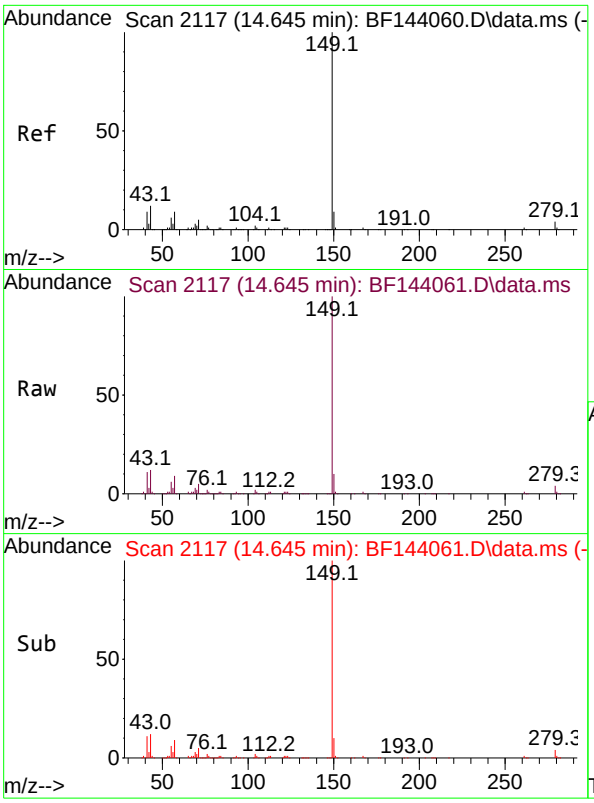


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.450 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:149 Resp: 230343

Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.5	33.7
279	4.4	3.6	5.4



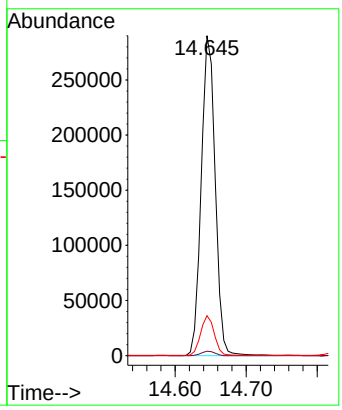


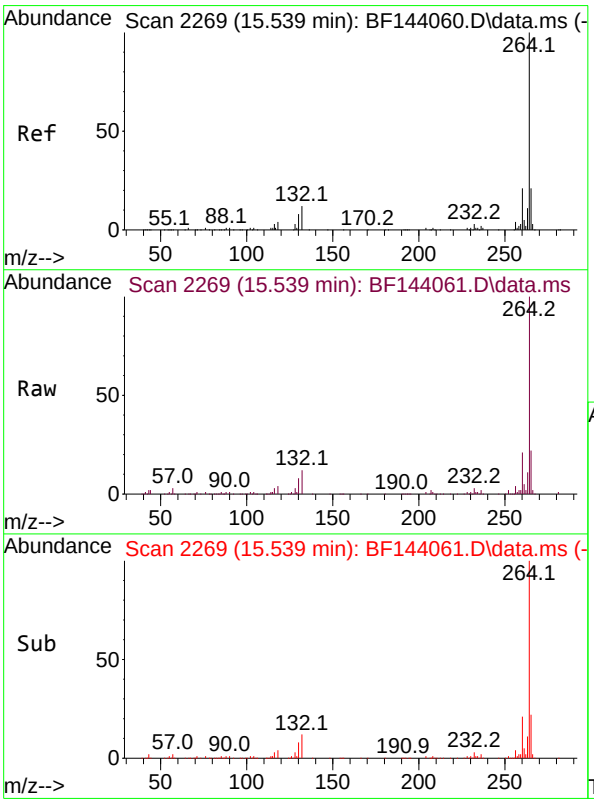
#85
Di-n-octyl phthalate
Concen: 46.156 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 393623

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.2	1.8
43	12.3	9.3	13.9

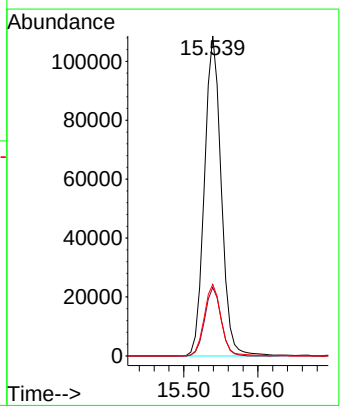


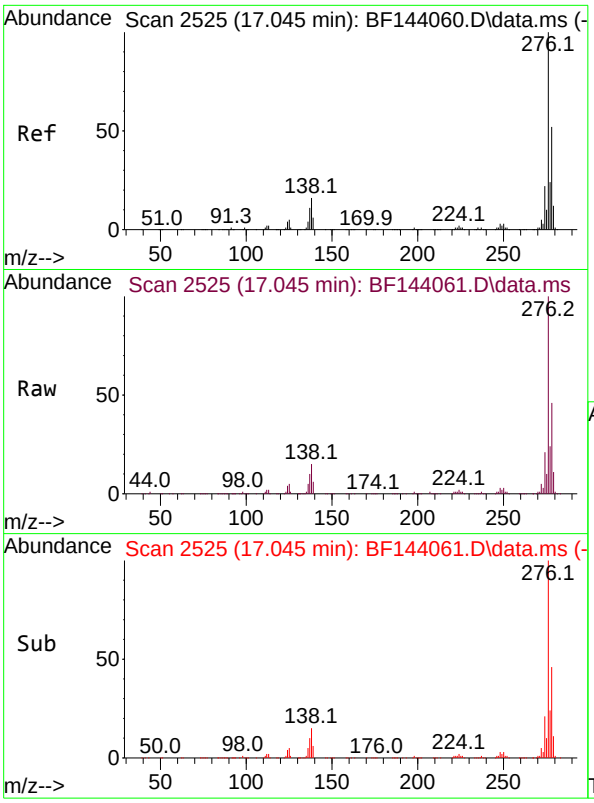


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:264 Resp: 170761

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.0	25.4
265	22.4	16.6	24.8



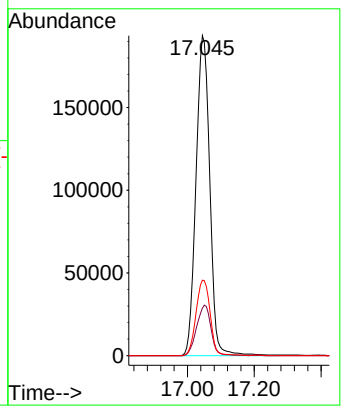


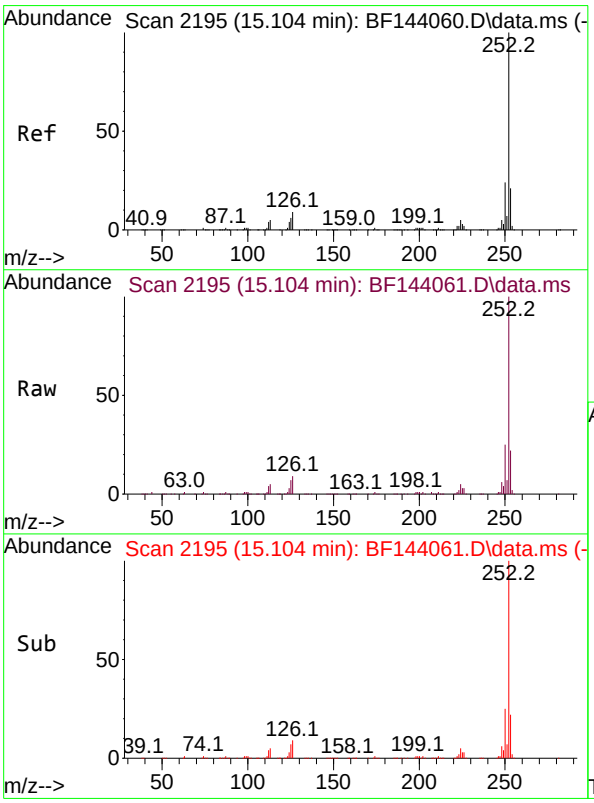
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.151 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 552781

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.6
277	24.2	19.4	29.0

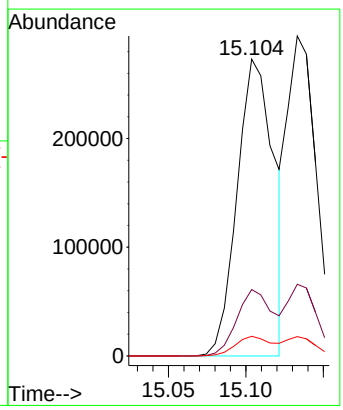


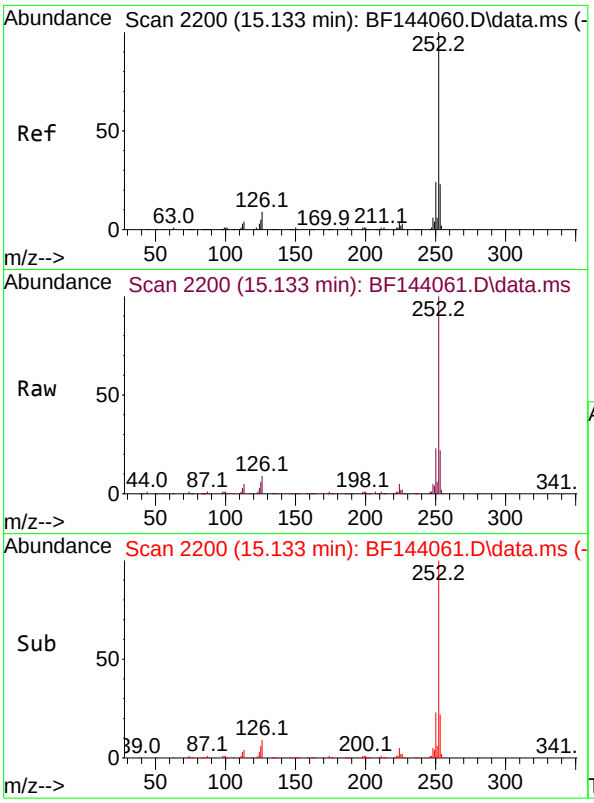


#88
Benzo(b)fluoranthene
Concen: 46.646 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:252 Resp: 450302

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	6.6	5.0	7.6



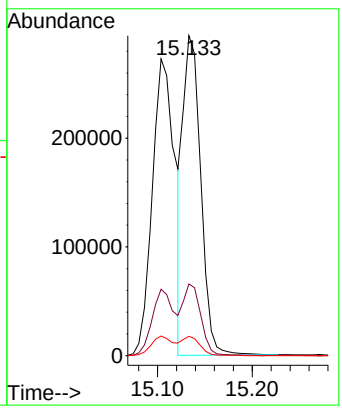


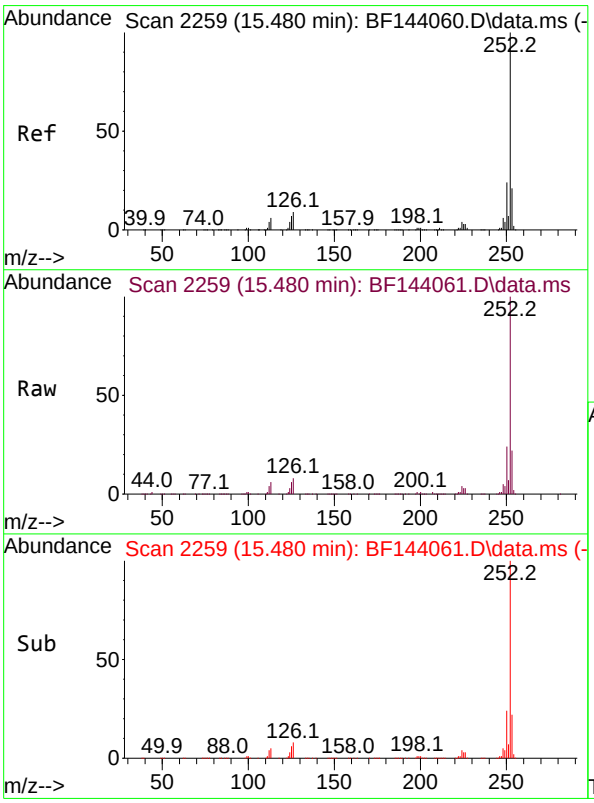
#89
Benzo(k)fluoranthene
Concen: 43.445 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 386955

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	6.0	4.9	7.3

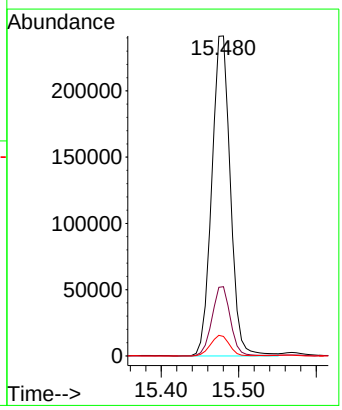


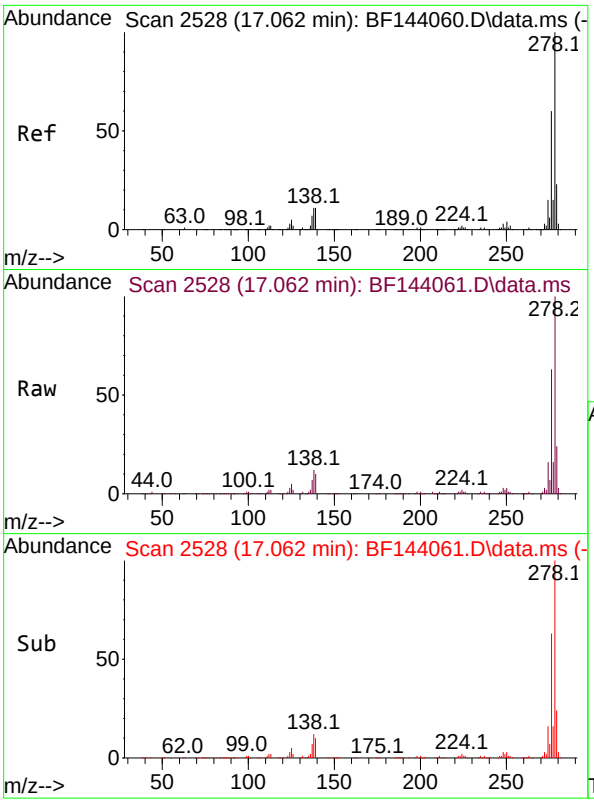


#90
Benzo(a)pyrene
Concen: 46.436 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:252 Resp: 402167

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	6.1	5.4	8.2



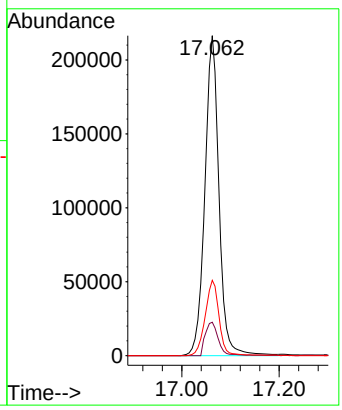


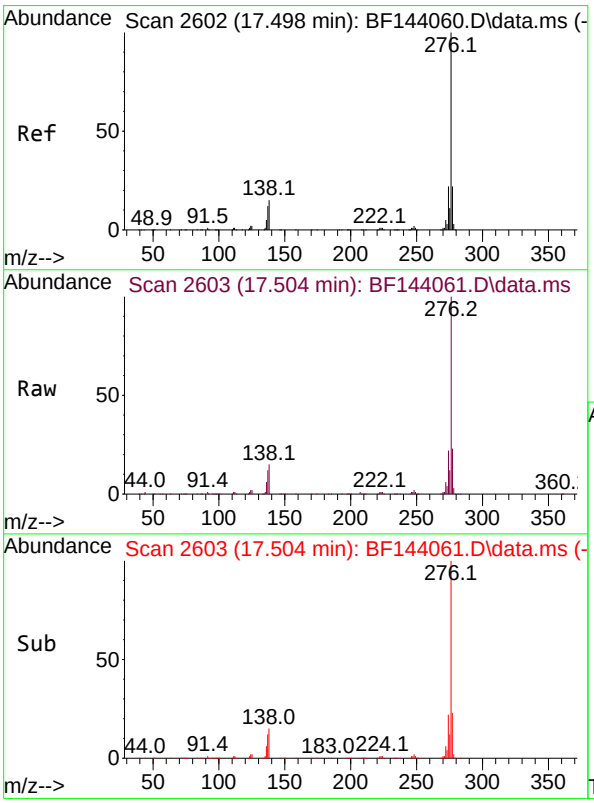
#91
Dibenzo(a,h)anthracene
Concen: 47.119 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 437275

Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.5	12.7
279	23.5	18.6	28.0

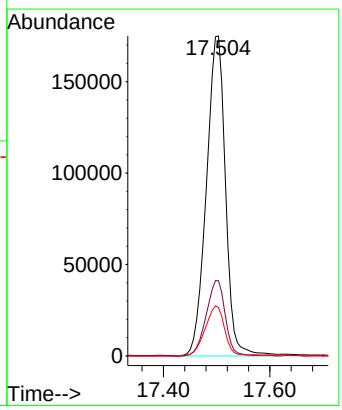




#92
Benzo(g,h,i)perylene
Concen: 46.804 ng
RT: 17.504 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:276 Resp: 436689

Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	15.1	12.0	18.0



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144063.D
Acq On : 24 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Oct 24 17:05:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	58739	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	209353	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	112793	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	191608	20.000	ng		0.00
76) Chrysene-d12	14.062	240	151514	20.000	ng		0.00
86) Perylene-d12	15.539	264	200004	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	510582	137.523	ng		0.00
7) Phenol-d6	6.516	99	560479	136.693	ng		0.01
23) Nitrobenzene-d5	7.451	82	552167	144.501	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	212808	148.116	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	1050410	131.050	ng		0.00
79) Terphenyl-d14	13.004	244	1234056	142.390	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	113019	70.445	ng		97
3) Pyridine	3.398	79	321948	74.957	ng		97
4) n-Nitrosodimethylamine	3.369	42	201953	76.521	ng		97
6) Aniline	6.545	93	393504	67.082	ng		92
8) 2-Chlorophenol	6.669	128	250635	68.549	ng		97
9) Benzaldehyde	6.434	77	244035	76.656	ng		96
10) Phenol	6.528	94	339521	67.118	ng		87
11) bis(2-Chloroethyl)ether	6.622	93	254160	69.532	ng		99
12) 1,3-Dichlorobenzene	6.822	146	305526	67.741	ng		98
13) 1,4-Dichlorobenzene	6.898	146	304178	68.434	ng		99
14) 1,2-Dichlorobenzene	7.051	146	287786	66.915	ng		99
15) Benzyl Alcohol	7.028	79	240927	72.263	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	478809	69.697	ng		93
17) 2-Methylphenol	7.134	107	193458	68.795	ng		97
18) Hexachloroethane	7.392	117	112050	70.510	ng		93
19) n-Nitroso-di-n-propyla...	7.298	70	190167	71.721	ng		99
20) 3+4-Methylphenols	7.292	107	227718	68.500	ng	#	86
22) Acetophenone	7.298	105	310700	68.672	ng		99
24) Nitrobenzene	7.469	77	294221	72.786	ng		98
25) Isophorone	7.710	82	487685	73.000	ng		100
26) 2-Nitrophenol	7.781	139	138311	71.925	ng		97
27) 2,4-Dimethylphenol	7.816	122	207224	72.515	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	293996	70.566	ng		98
29) 2,4-Dichlorophenol	8.022	162	230075	69.232	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	239831	70.150	ng		97
31) Naphthalene	8.186	128	660164	66.812	ng		98
32) Benzoic acid	7.945	122	135524	74.766	ng		88
33) 4-Chloroaniline	8.233	127	239182	69.535	ng		97
34) Hexachlorobutadiene	8.304	225	196083	70.141	ng		98
35) Caprolactam	8.622	113	62887	75.462	ng		92
36) 4-Chloro-3-methylphenol	8.716	107	209253	71.352	ng		96
37) 2-Methylnaphthalene	8.880	142	438984	67.385	ng		97
38) 1-Methylnaphthalene	8.975	142	418223	67.761	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	263109	67.873	ng		99
41) Hexachlorocyclopentadiene	9.028	237	99937	83.468	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	173959	69.040	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144063.D
Acq On : 24 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Oct 24 17:05:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

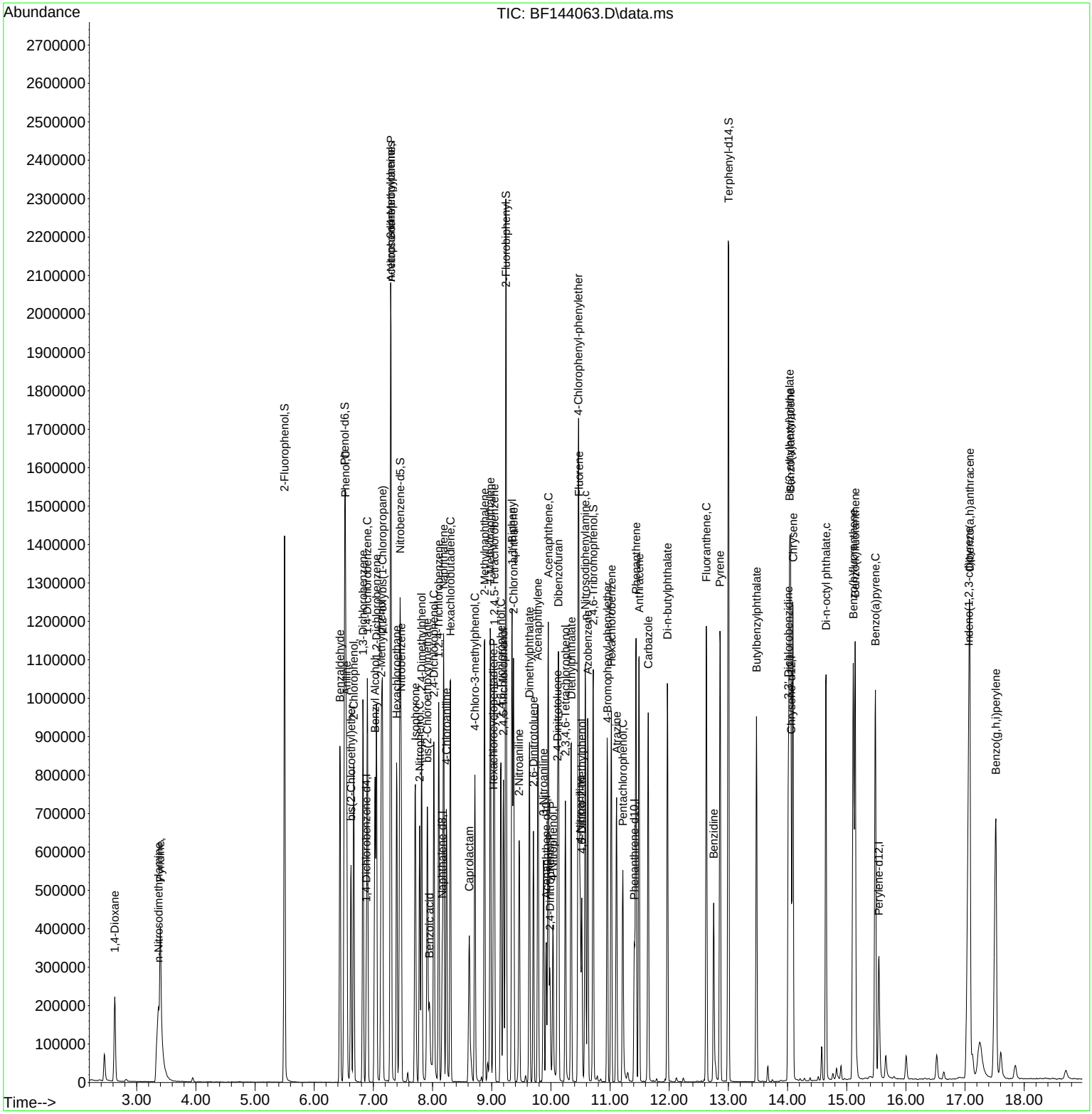
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	189248	71.565	ng		96
46) 1,1'-Biphenyl	9.345	154	530392	65.690	ng		99
47) 2-Chloronaphthalene	9.369	162	446307	65.979	ng		99
48) 2-Nitroaniline	9.463	65	148164	73.762	ng		99
49) Acenaphthylene	9.780	152	603127	66.126	ng		100
50) Dimethylphthalate	9.639	163	517194	69.954	ng		99
51) 2,6-Dinitrotoluene	9.704	165	108081	73.947	ng		97
52) Acenaphthene	9.957	154	412422	67.707	ng		98
53) 3-Nitroaniline	9.875	138	112811	69.421	ng		88
54) 2,4-Dinitrophenol	9.986	184	62962	79.646	ng		94
55) Dibenzofuran	10.127	168	560264	66.253	ng		99
56) 4-Nitrophenol	10.033	139	83091	75.509	ng		99
57) 2,4-Dinitrotoluene	10.110	165	145667	73.844	ng		97
58) Fluorene	10.474	166	426390	66.175	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	133917	71.865	ng	#	97
60) Diethylphthalate	10.345	149	488605	70.274	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	238684	65.871	ng		98
62) 4-Nitroaniline	10.492	138	113935	73.997	ng		98
63) Azobenzene	10.622	77	460222	69.934	ng		96
65) 4,6-Dinitro-2-methylph...	10.522	198	88545	72.027	ng		92
66) n-Nitrosodiphenylamine	10.580	169	415732	67.908	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	164677	68.643	ng		100
68) Hexachlorobenzene	11.022	284	205267	69.766	ng		97
69) Atrazine	11.110	200	129646	64.536	ng		98
70) Pentachlorophenol	11.216	266	110717	79.055	ng		97
71) Phenanthrene	11.439	178	654557	68.769	ng		99
72) Anthracene	11.492	178	656473	66.765	ng		99
73) Carbazole	11.645	167	565232	67.538	ng		97
74) Di-n-butylphthalate	11.969	149	723962	70.556	ng		99
75) Fluoranthene	12.627	202	731393	69.552	ng		99
77) Benzidine	12.751	184	282392	59.887	ng		99
78) Pyrene	12.857	202	749362	68.794	ng		99
80) Butylbenzylphthalate	13.474	149	303486	73.645	ng		97
81) Benzo(a)anthracene	14.051	228	743007	72.564	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	258546	72.536	ng		100
83) Chrysene	14.092	228	708889	73.777	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	406325	72.226	ng		99
85) Di-n-octyl phthalate	14.651	149	714909	73.894	ng		96
87) Indeno(1,2,3-cd)pyrene	17.062	276	1010103	73.561	ng		98
88) Benzo(b)fluoranthene	15.109	252	840121	74.302	ng		99
89) Benzo(k)fluoranthene	15.145	252	708890	67.953	ng		99
90) Benzo(a)pyrene	15.486	252	727345	71.704	ng		99
91) Dibenzo(a,h)anthracene	17.080	278	797474	73.369	ng		99
92) Benzo(g,h,i)perylene	17.521	276	811620	74.269	ng		98

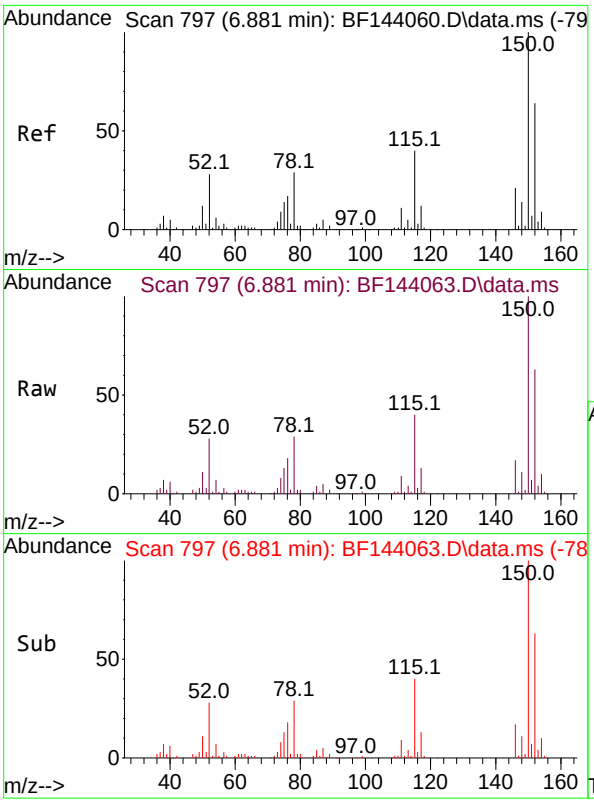
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144063.D
Acq On : 24 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Oct 24 17:05:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration



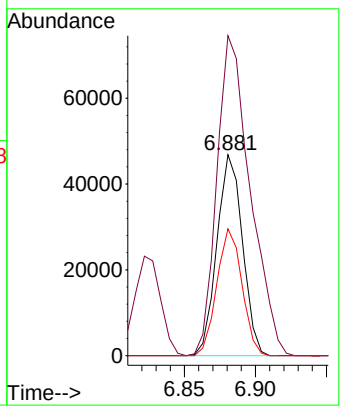


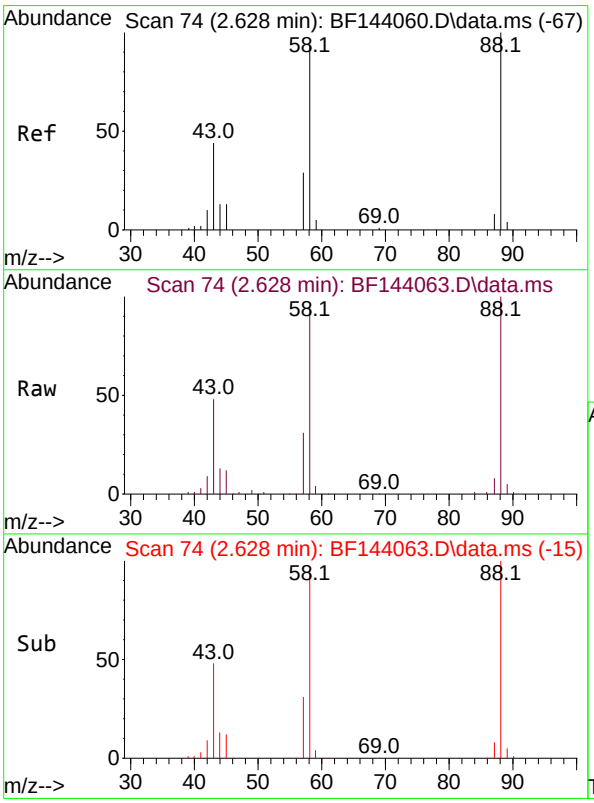
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 58739

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.4	186.6
115	63.2	49.4	74.0

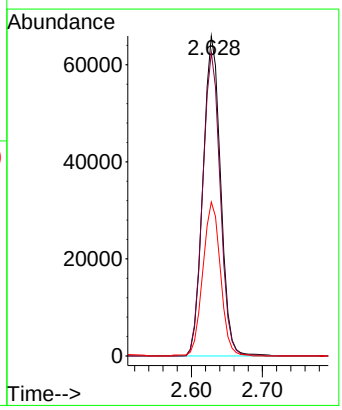


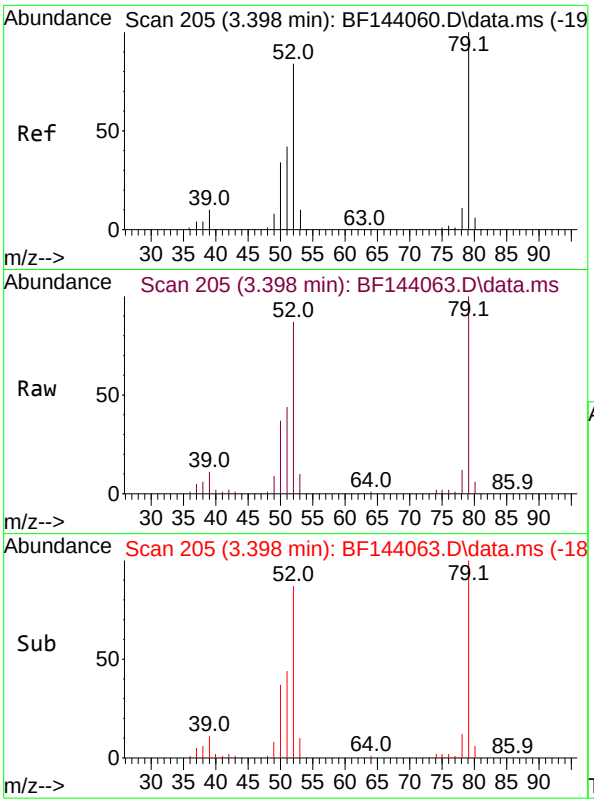


#2
1,4-Dioxane
Concen: 70.445 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 88 Resp: 113019

Ion	Ratio	Lower	Upper
88	100		
58	94.6	76.5	114.7
43	48.3	35.3	52.9



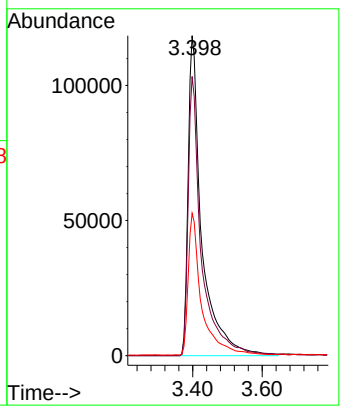


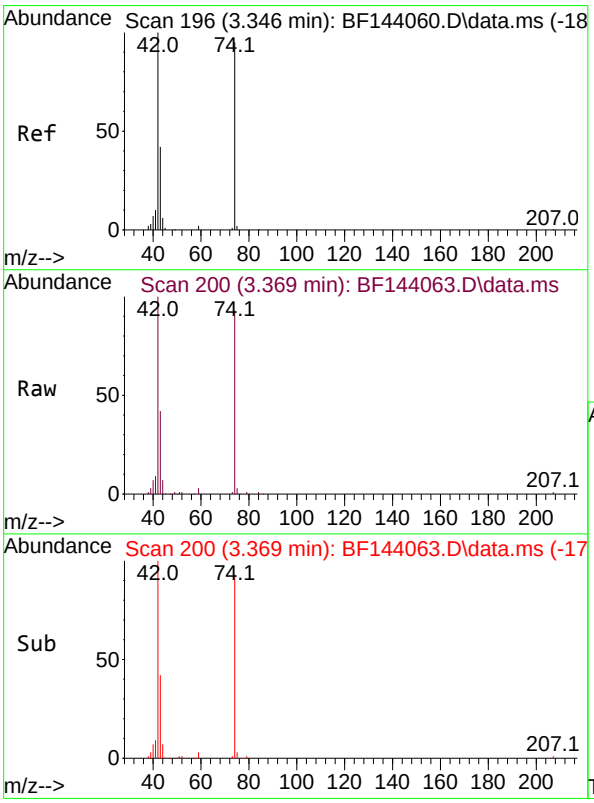
#3
Pyridine
Concen: 74.957 ng
RT: 3.398 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 321948

Ion	Ratio	Lower	Upper
79	100		
52	87.3	67.5	101.3
51	44.5	33.6	50.4

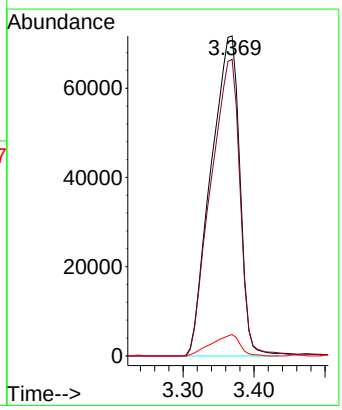


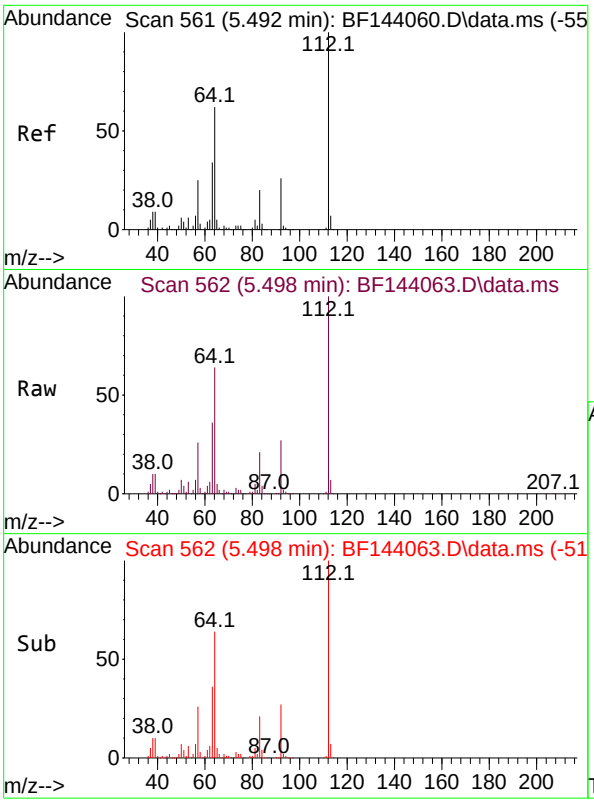


#4
n-Nitrosodimethylamine
Concen: 76.521 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.024 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 42 Resp: 201953

Ion	Ratio	Lower	Upper
42	100		
74	92.7	76.4	114.6
44	6.7	5.2	7.8



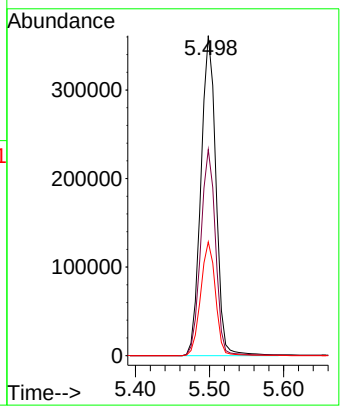


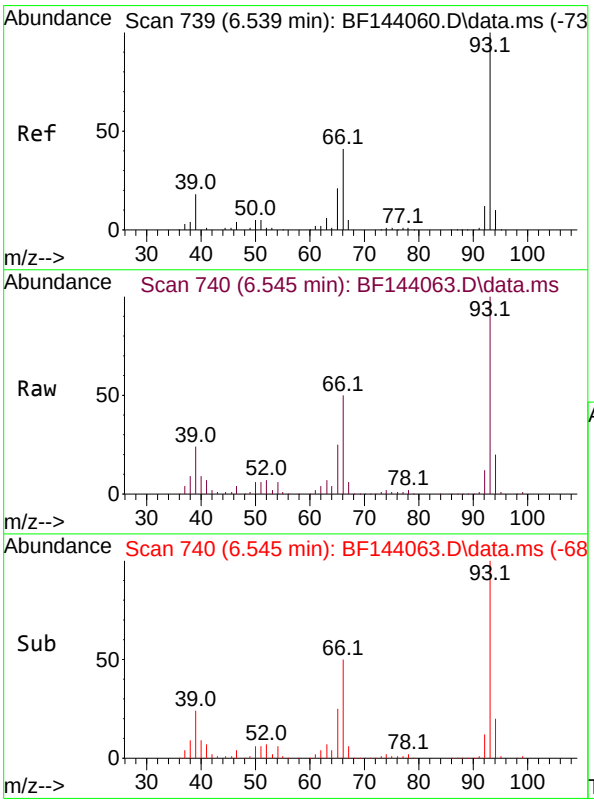
#5
2-Fluorophenol
Concen: 137.523 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 510582

Ion	Ratio	Lower	Upper
112	100		
64	64.4	49.8	74.8
63	35.5	27.4	41.2

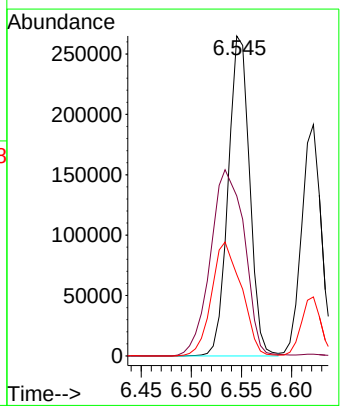


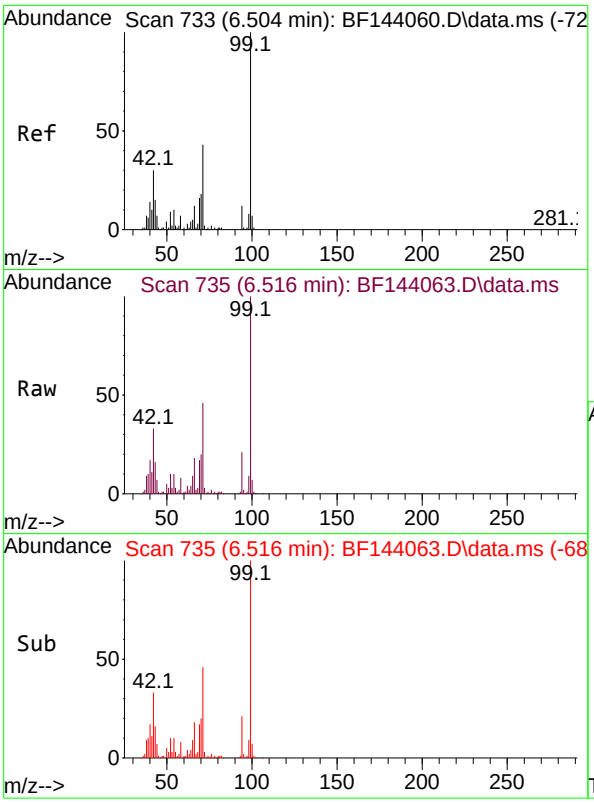


#6
Aniline
Concen: 67.082 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 93 Resp: 393504

Ion	Ratio	Lower	Upper
93	100		
66	50.0	35.7	53.5
65	25.4	17.0	25.6



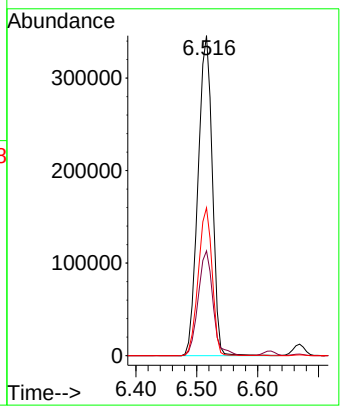


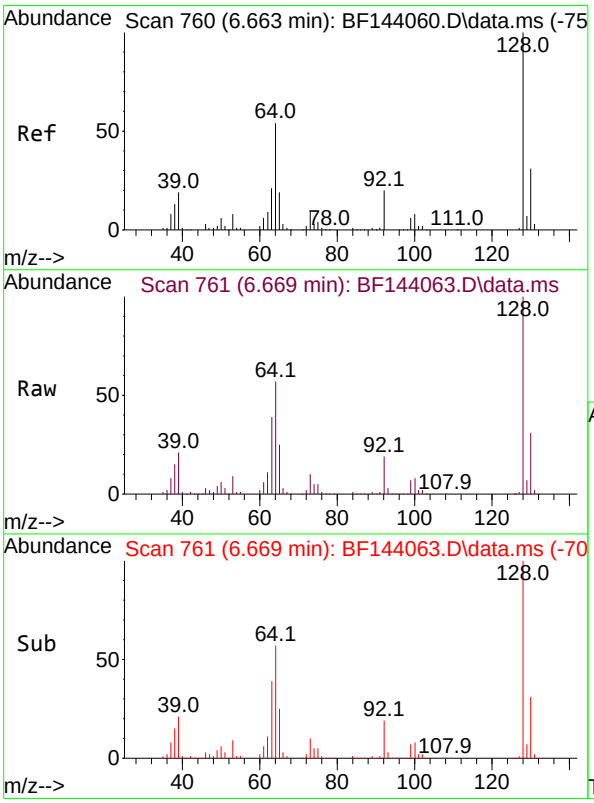
#7
Phenol-d6
Concen: 136.693 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 560479

Ion	Ratio	Lower	Upper
99	100		
42	32.7	23.9	35.9
71	46.2	34.4	51.6

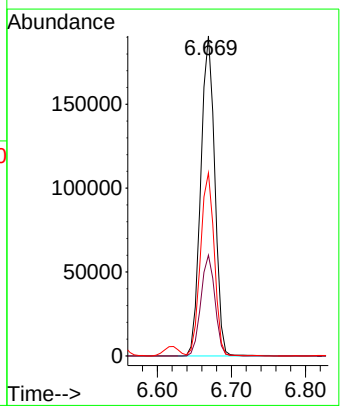


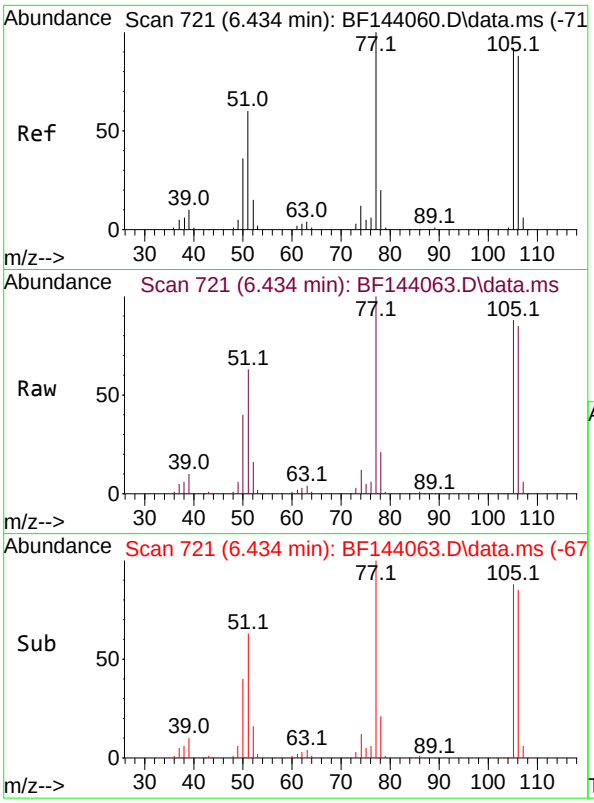


#8
2-Chlorophenol
Concen: 68.549 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:128 Resp: 250635

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.7	50.7
64	57.2	34.7	74.7



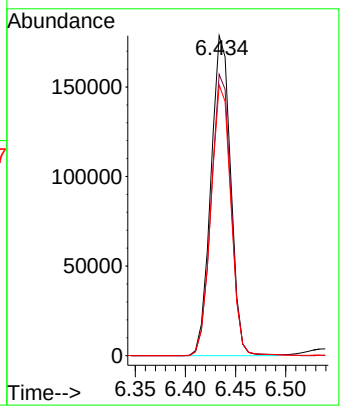


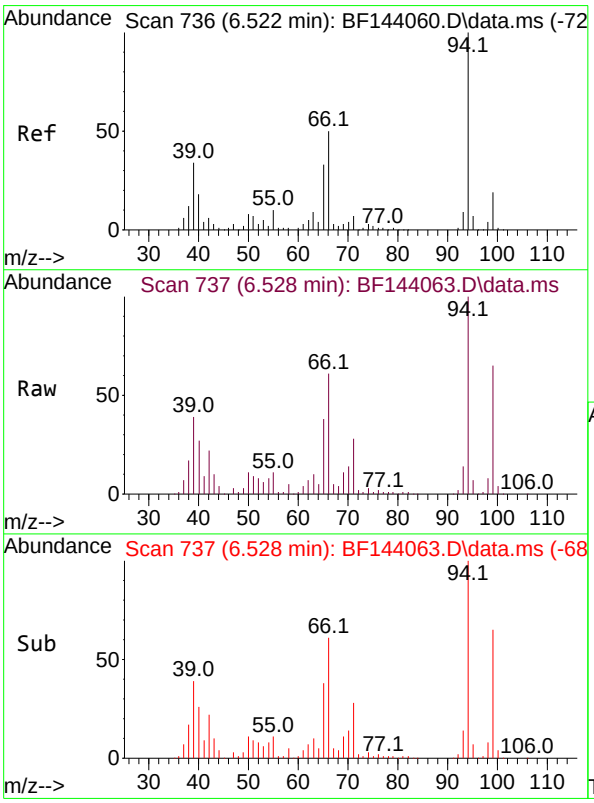
#9
Benzaldehyde
Concen: 76.656 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 244035

Ion	Ratio	Lower	Upper
77	100		
105	87.9	72.2	112.2
106	84.6	67.9	107.9

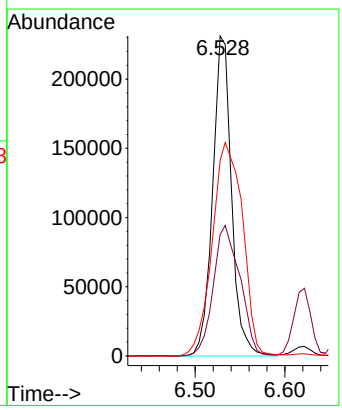


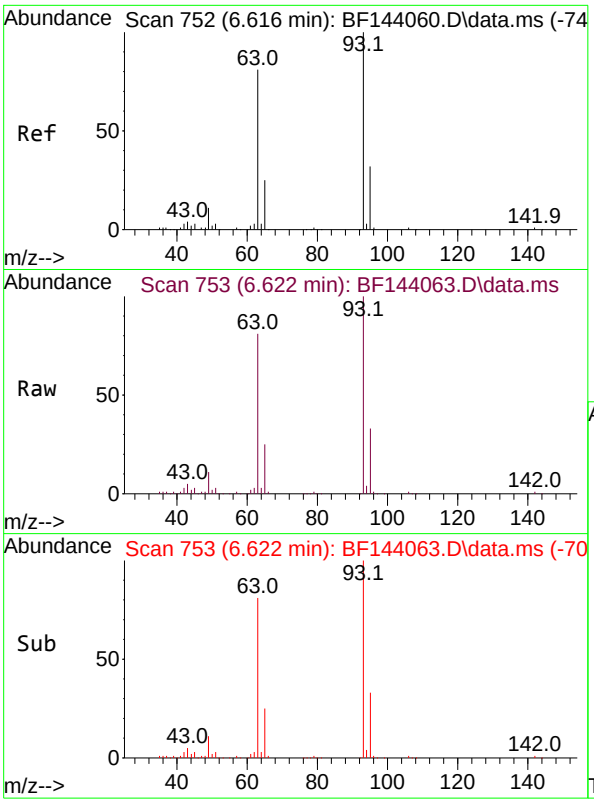


#10
Phenol
Concen: 67.118 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 94 Resp: 339521

Ion	Ratio	Lower	Upper
94	100		
65	37.9	13.1	53.1
66	61.1	30.6	70.6



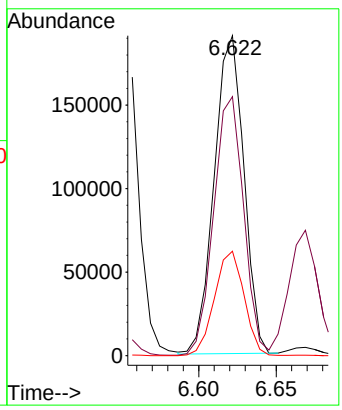


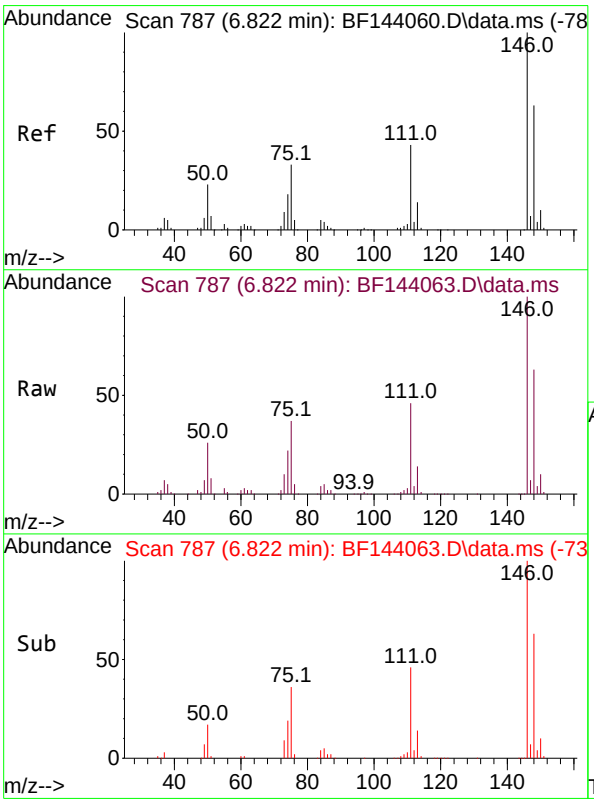
#11
bis(2-Chloroethyl)ether
Concen: 69.532 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 254160

Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.2	100.2
95	32.6	12.4	52.4

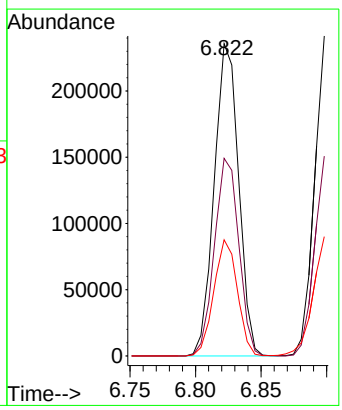


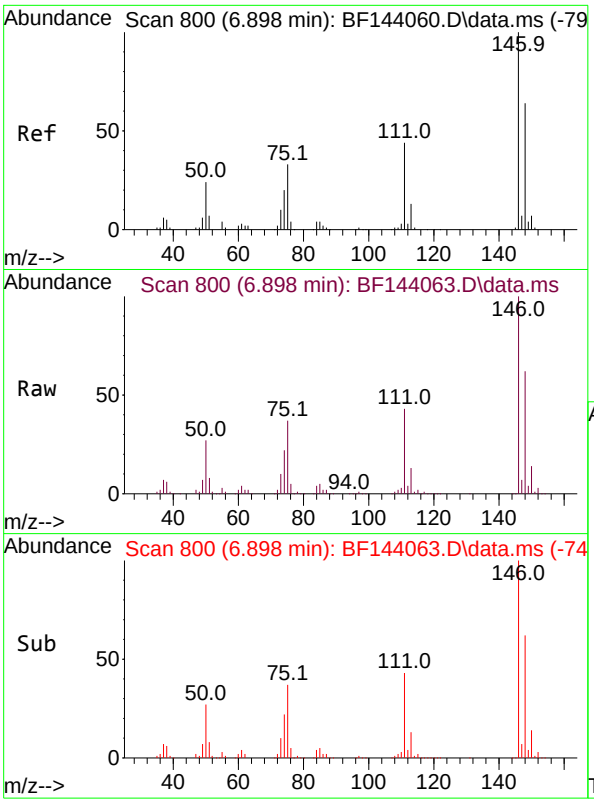


#12
1,3-Dichlorobenzene
Concen: 67.741 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:146 Resp: 305526

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	75.8
75	37.2	26.6	40.0



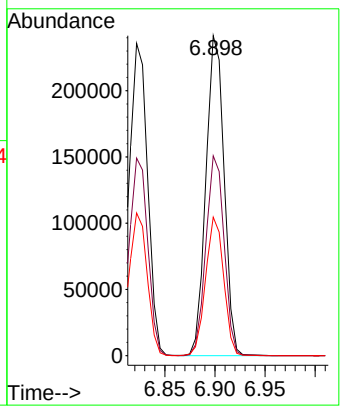


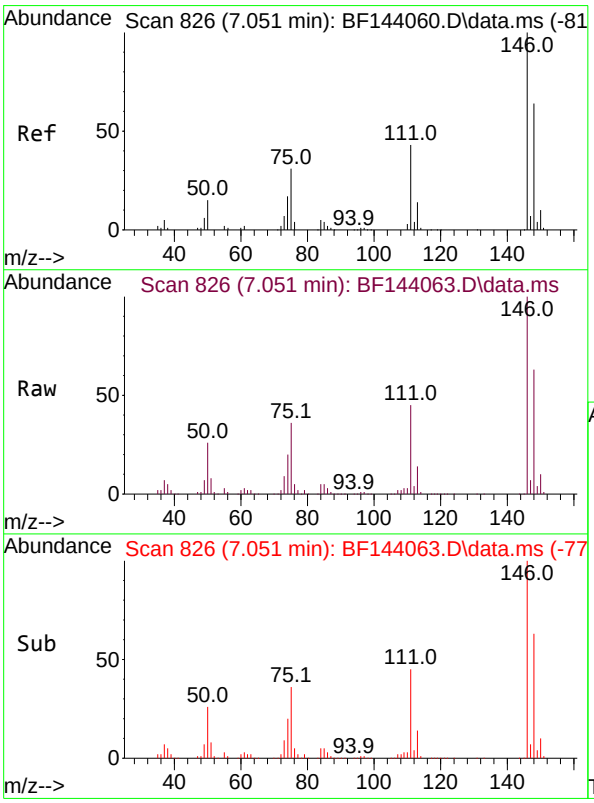
#13
1,4-Dichlorobenzene
Concen: 68.434 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 304178

Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.0	76.6
111	43.3	35.0	52.6

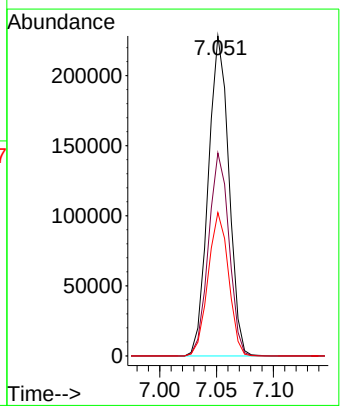


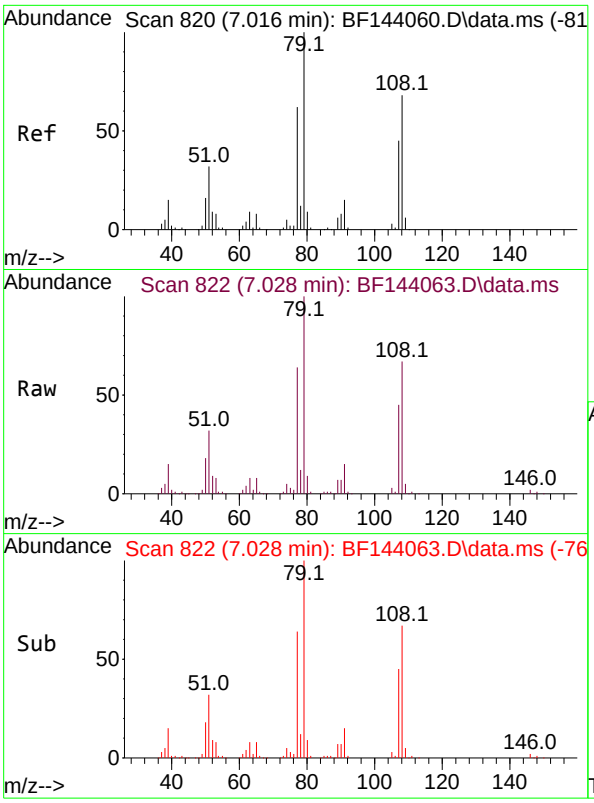


#14
1,2-Dichlorobenzene
Concen: 66.915 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:146 Resp: 287786

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	44.8	34.7	52.1



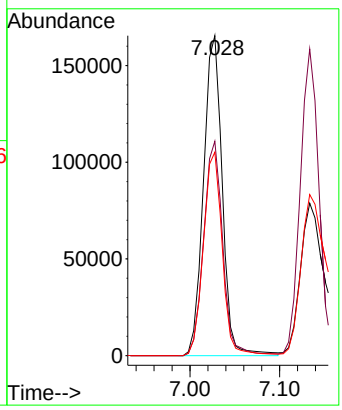


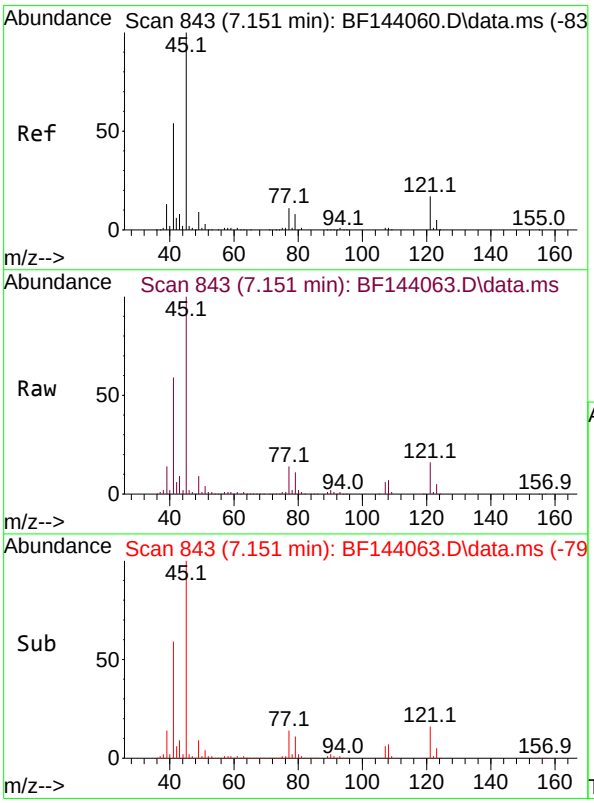
#15
Benzyl Alcohol
Concen: 72.263 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 240927

Ion	Ratio	Lower	Upper
79	100		
108	67.0	54.8	82.2
77	63.6	49.4	74.0

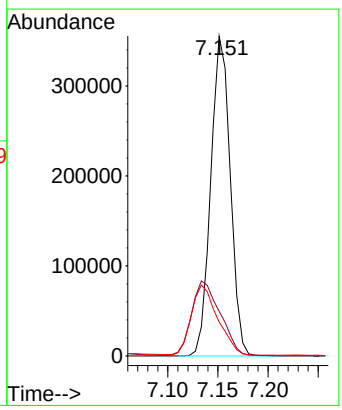


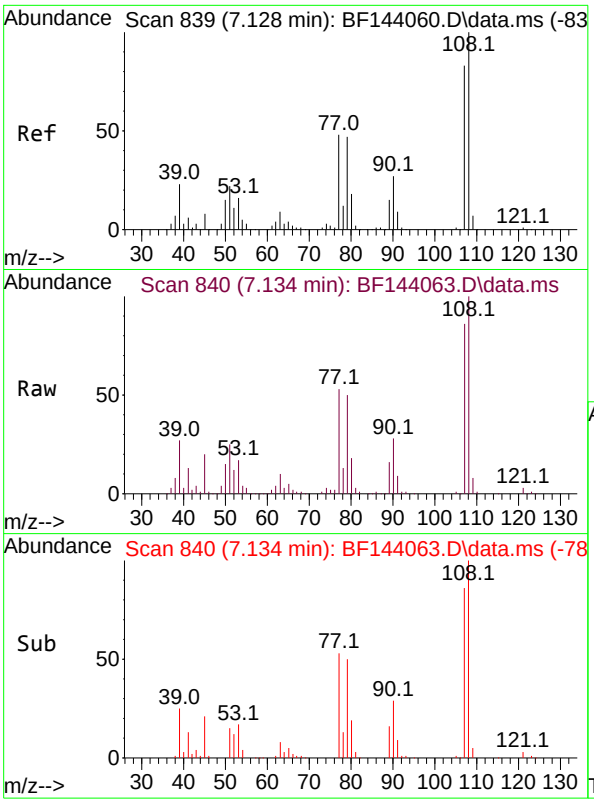


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.697 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 45 Resp: 478809

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	30.9
79	10.6	0.0	28.2



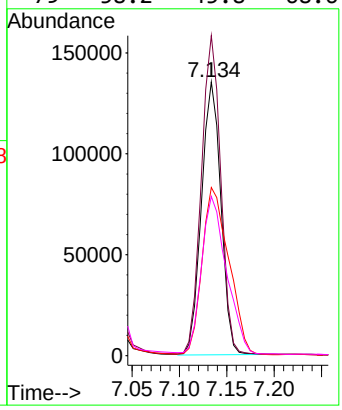


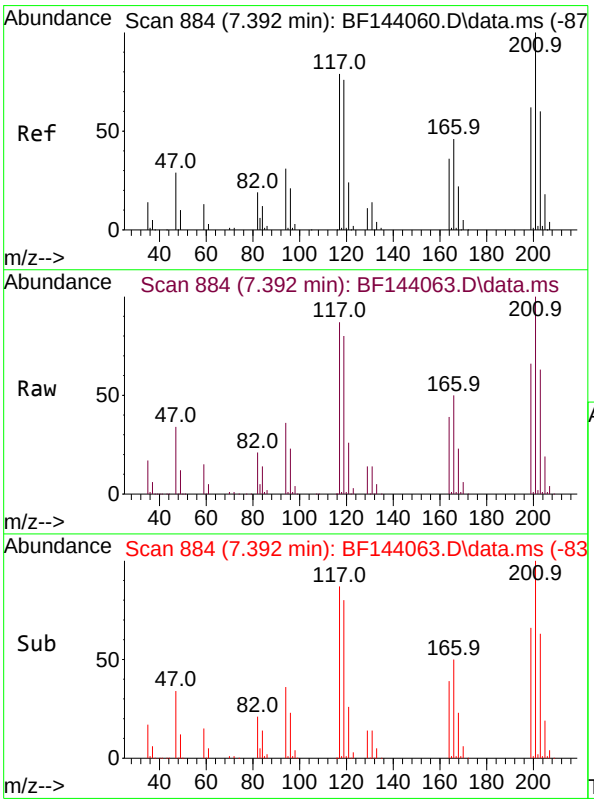
#17
2-Methylphenol
Concen: 68.795 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 193458

Ion	Ratio	Lower	Upper
107	100		
108	116.9	96.4	144.6
77	61.4	46.8	70.2
79	58.2	45.8	68.6

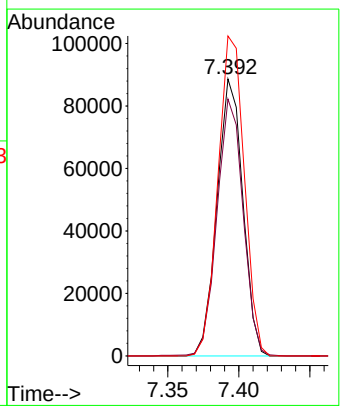


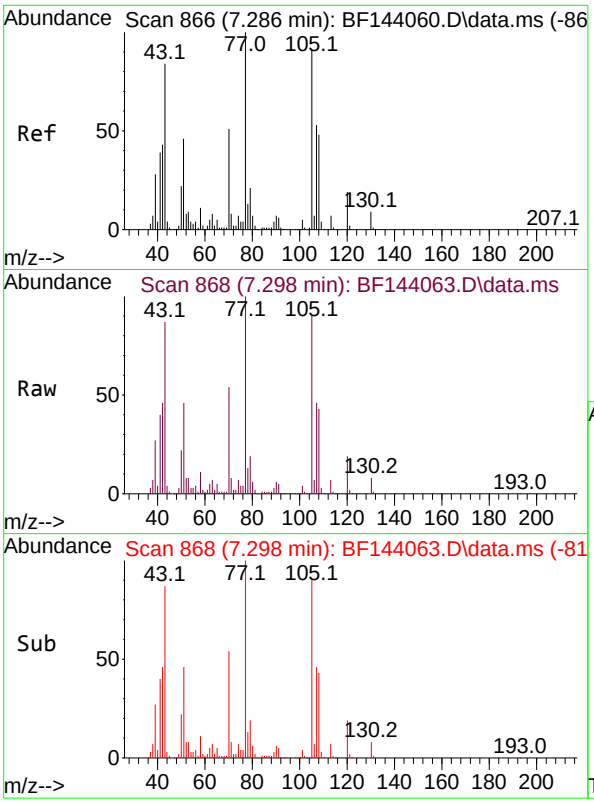


#18
Hexachloroethane
Concen: 70.510 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:117 Resp: 112050

Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.6	115.0
201	115.5	100.9	151.3



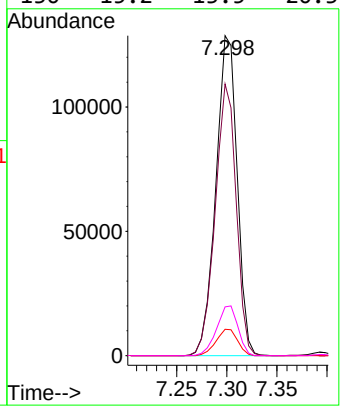


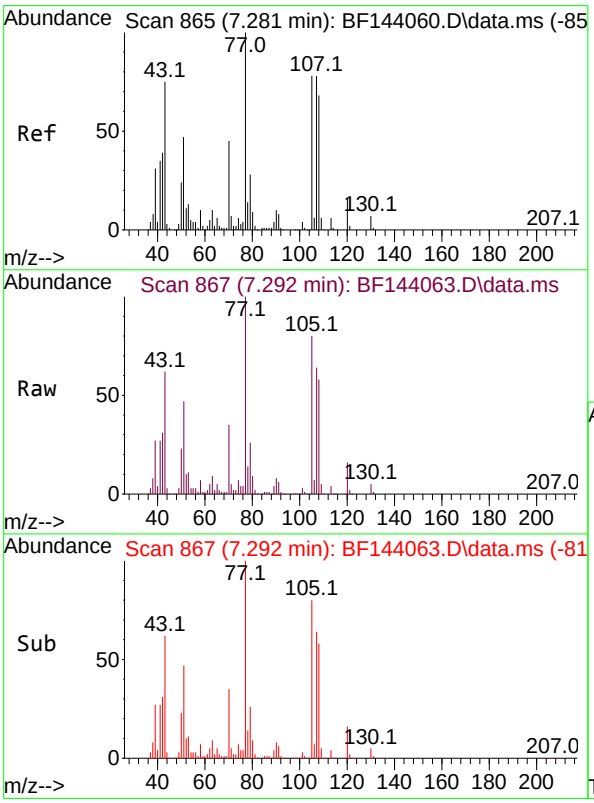
#19
n-Nitroso-di-n-propylamine
Concen: 71.721 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 190167

Ion	Ratio	Lower	Upper
70	100		
42	84.9	67.4	101.0
101	8.2	7.1	10.7
130	15.2	13.5	20.3

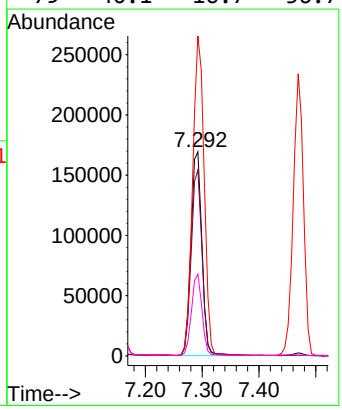


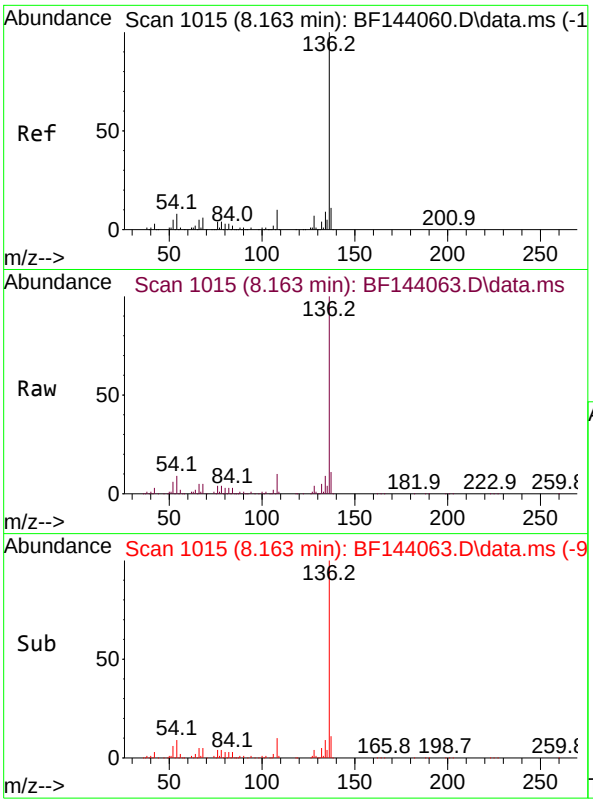


#20
3+4-Methylphenols
Concen: 68.500 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:107 Resp: 227718

Ion	Ratio	Lower	Upper
107	100		
108	91.1	68.0	108.0
77	156.8	108.7	148.7#
79	40.1	16.7	56.7



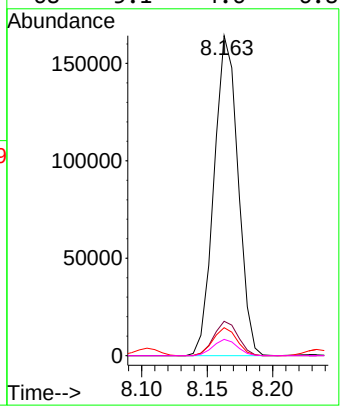


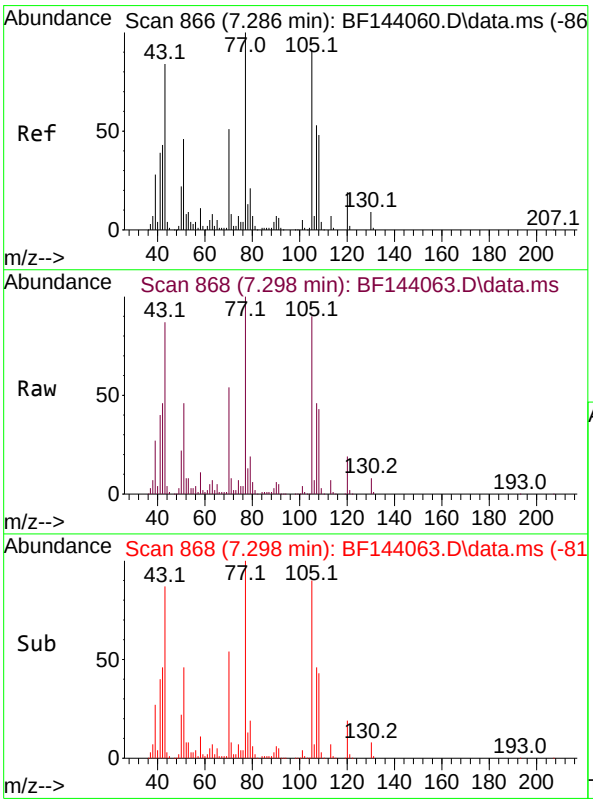
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 209353

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.7	6.6	9.8
68	5.1	4.6	6.8

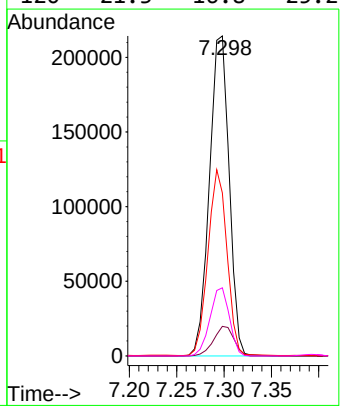


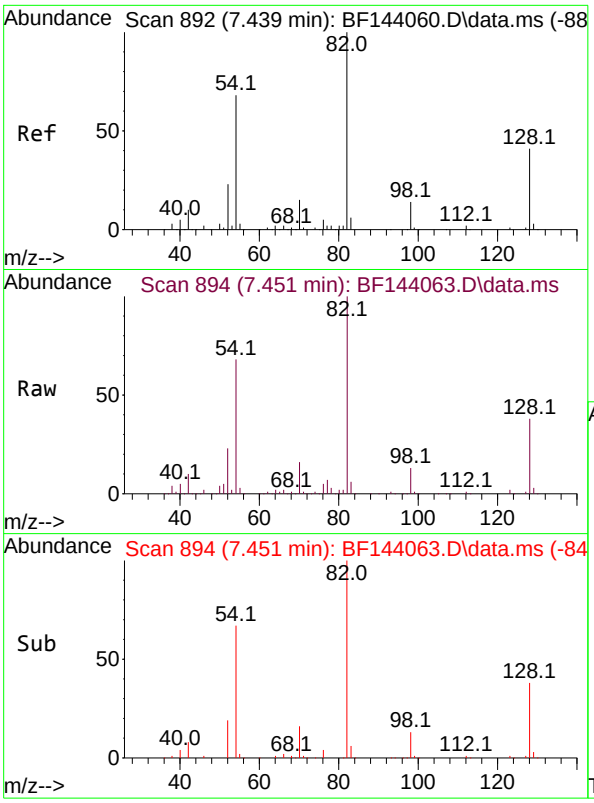


#22
Acetophenone
Concen: 68.672 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:105 Resp: 310700

Ion	Ratio	Lower	Upper
105	100		
71	9.2	6.9	10.3
51	50.9	40.6	60.8
120	21.3	16.8	25.2



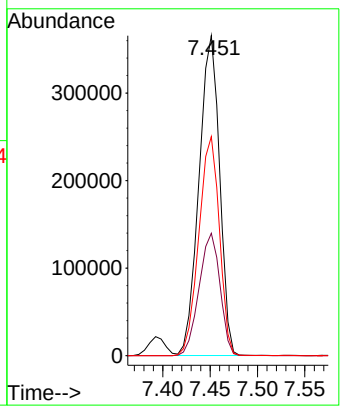


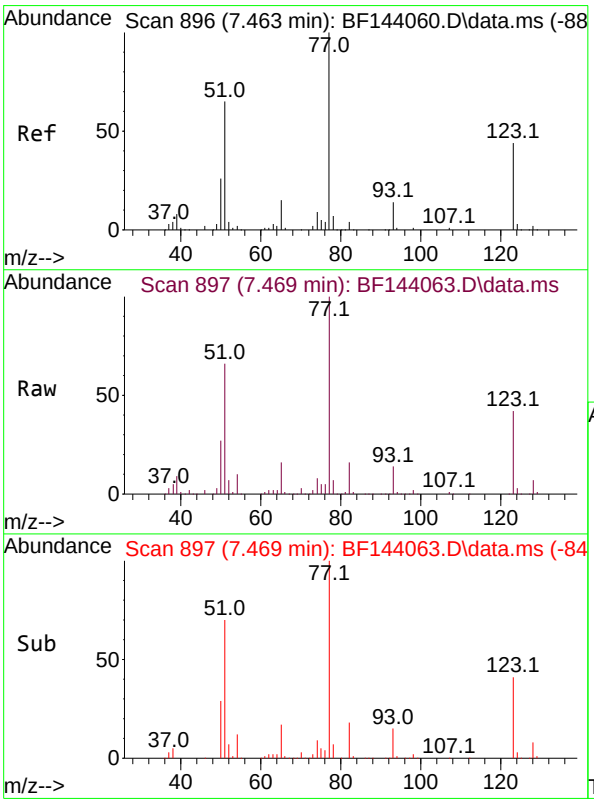
#23
Nitrobenzene-d5
Concen: 144.501 ng
RT: 7.451 min Scan# 89
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 552167

Ion	Ratio	Lower	Upper
82	100		
128	38.2	32.4	48.6
54	68.4	54.0	81.0

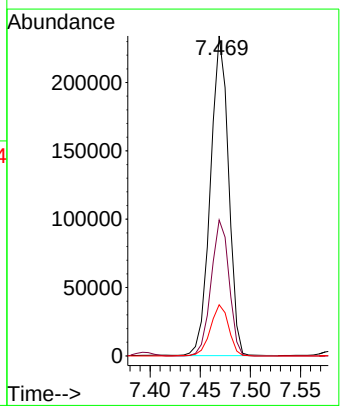


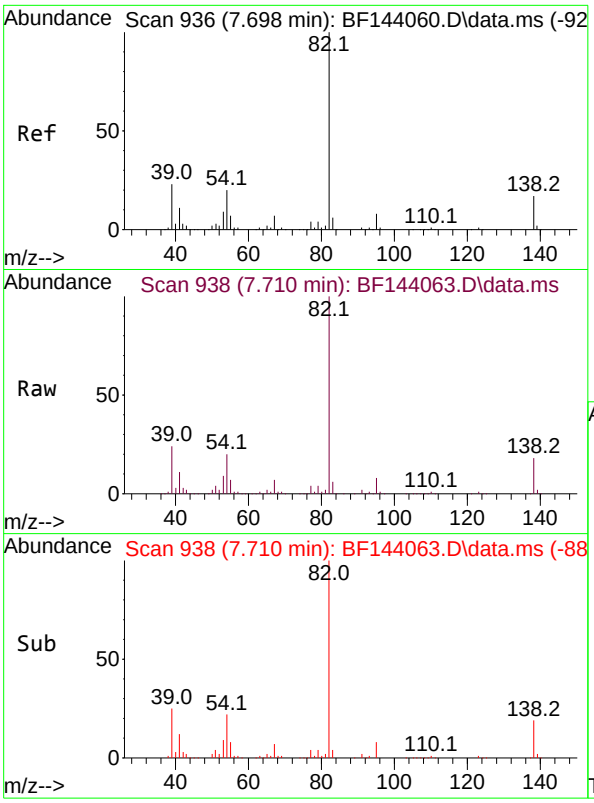


#24
Nitrobenzene
Concen: 72.786 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 77 Resp: 294221

Ion	Ratio	Lower	Upper
77	100		
123	42.5	35.0	52.6
65	16.0	12.2	18.2



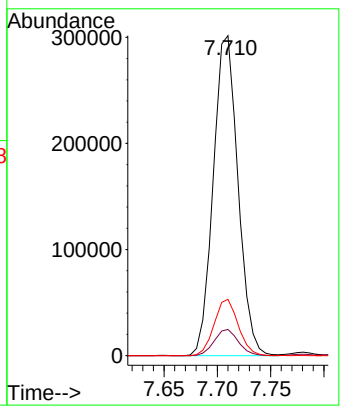


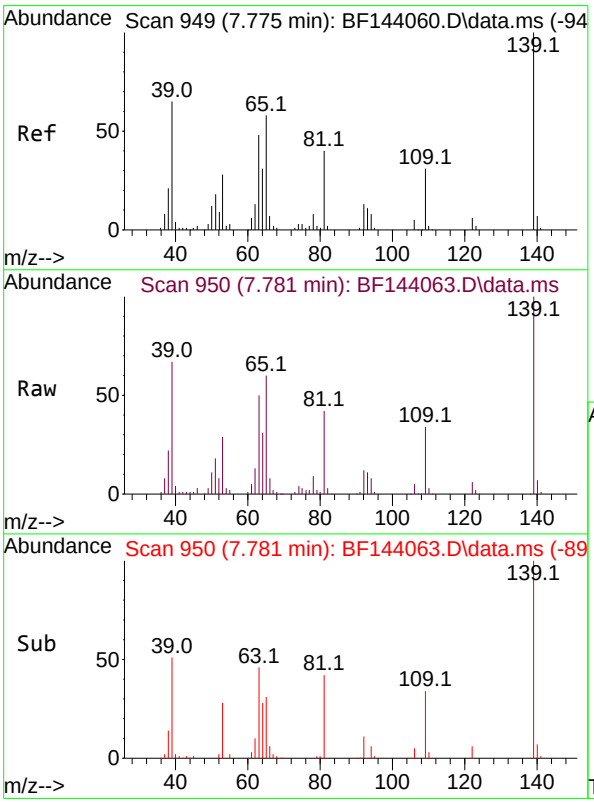
#25
Isophorone
Concen: 73.000 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 487685

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.6	9.8
138	17.6	13.8	20.8

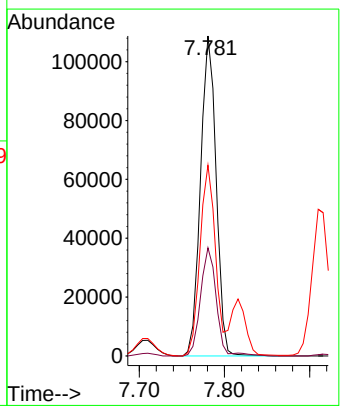


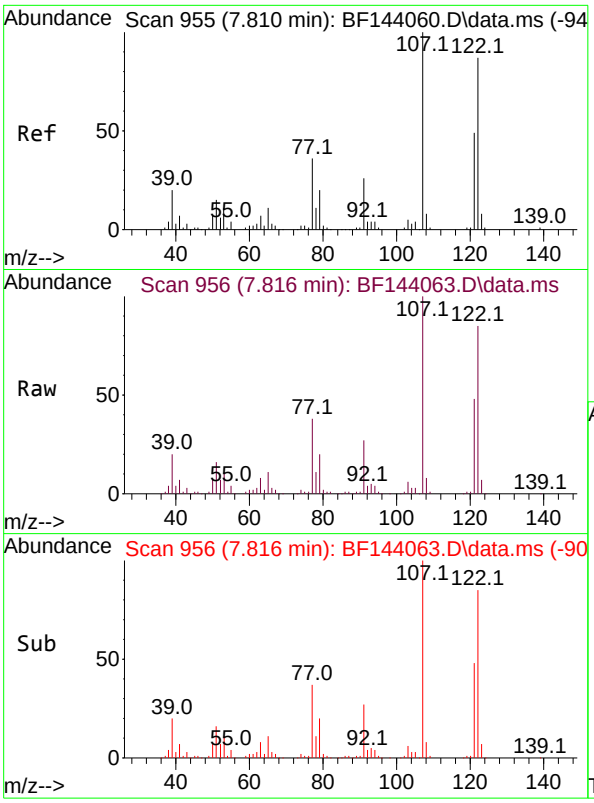


#26
2-Nitrophenol
Concen: 71.925 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:139 Resp: 138311

Ion	Ratio	Lower	Upper
139	100		
109	33.8	24.6	37.0
65	59.6	46.6	69.8



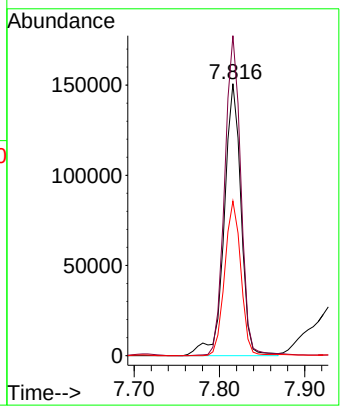


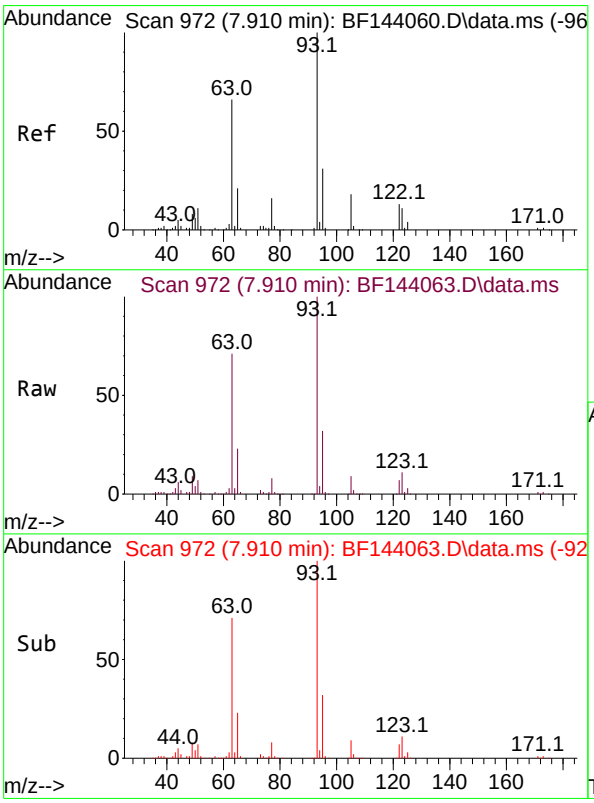
#27
2,4-Dimethylphenol
Concen: 72.515 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 207224

Ion	Ratio	Lower	Upper
122	100		
107	117.7	91.8	137.8
121	56.8	45.2	67.8

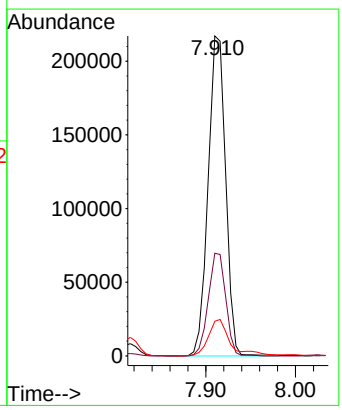


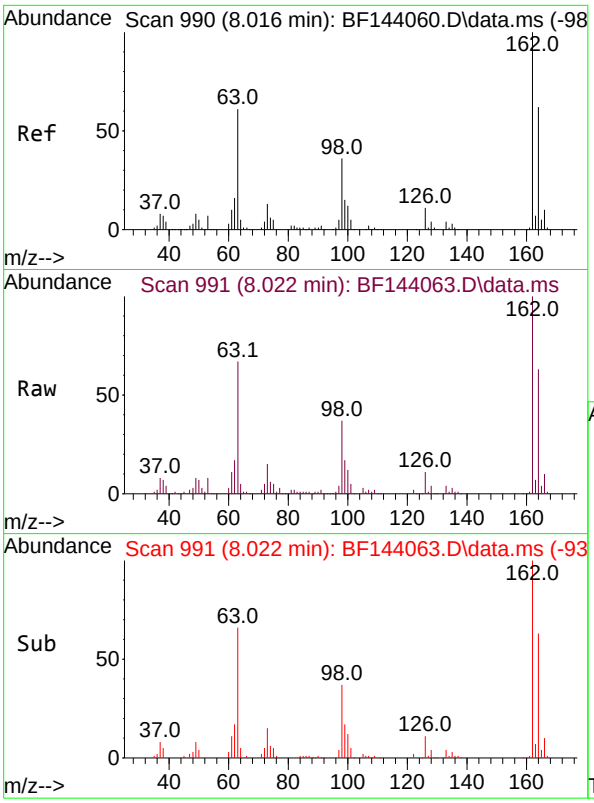


#28
bis(2-Chloroethoxy)methane
Concen: 70.566 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 93 Resp: 293996

Ion	Ratio	Lower	Upper
93	100		
95	32.1	24.6	36.8
123	10.8	9.1	13.7



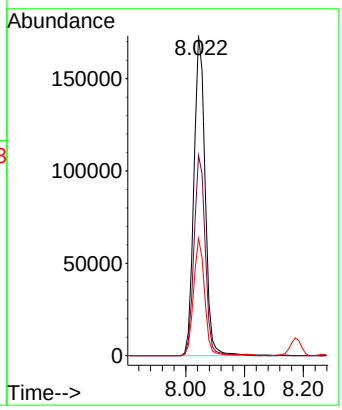


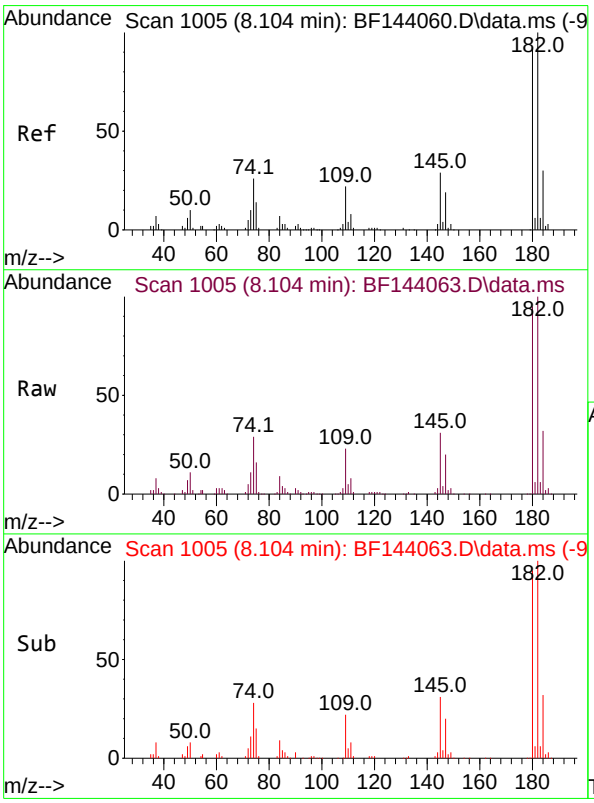
#29
2,4-Dichlorophenol
Concen: 69.232 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 230075

Ion	Ratio	Lower	Upper
162	100		
164	62.6	42.1	82.1
98	36.6	16.0	56.0

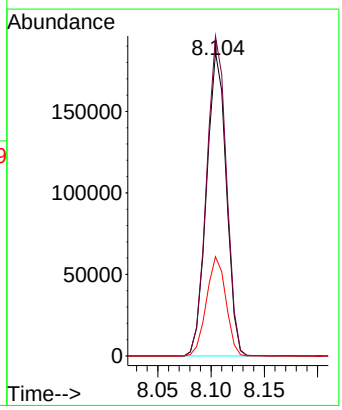


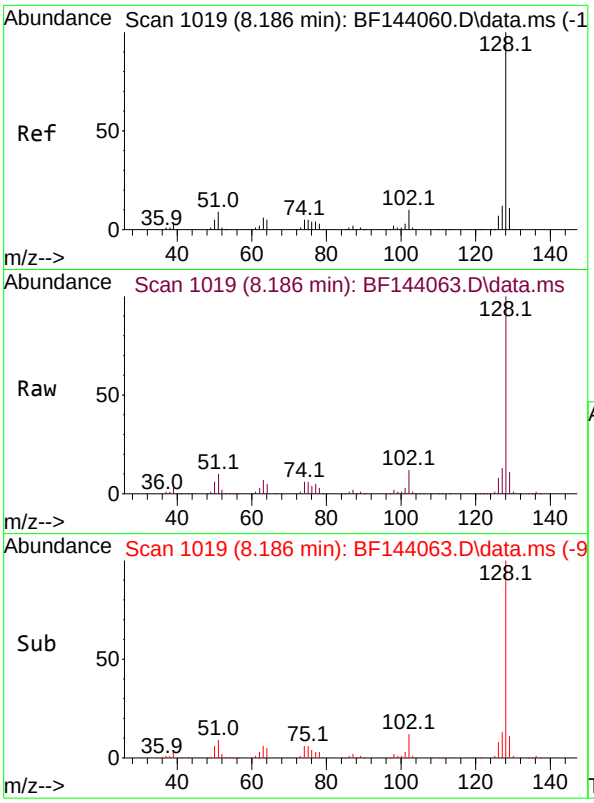


#30
1,2,4-Trichlorobenzene
Concen: 70.150 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:180 Resp: 239831

Ion	Ratio	Lower	Upper
180	100		
182	105.4	87.1	130.7
145	32.6	25.3	37.9



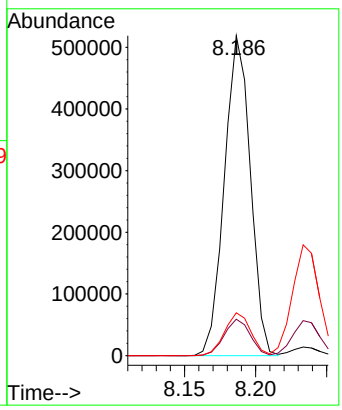


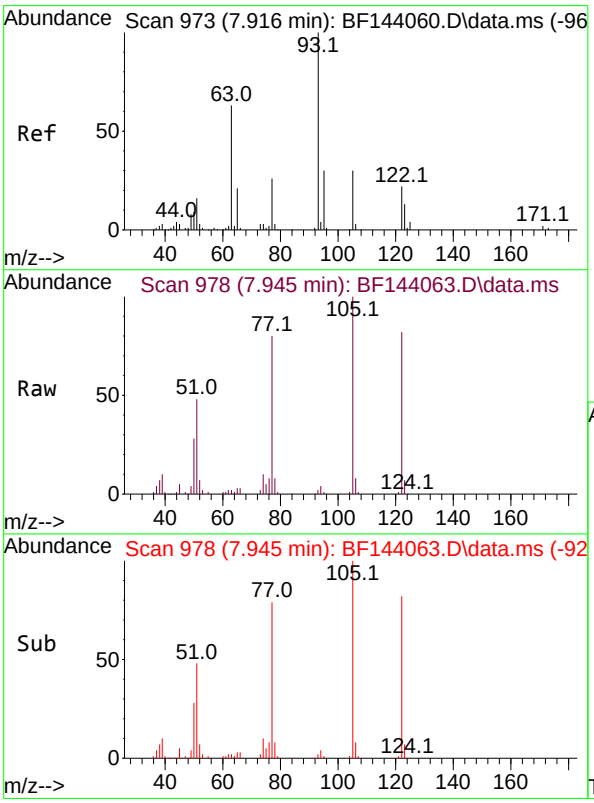
#31
Naphthalene
Concen: 66.812 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 660164

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.4	9.9	14.9

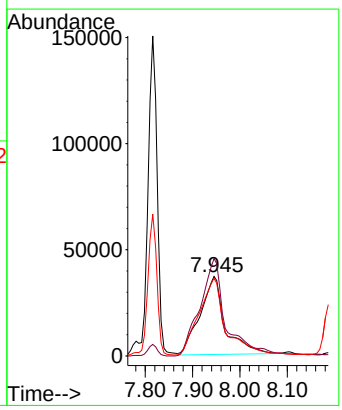


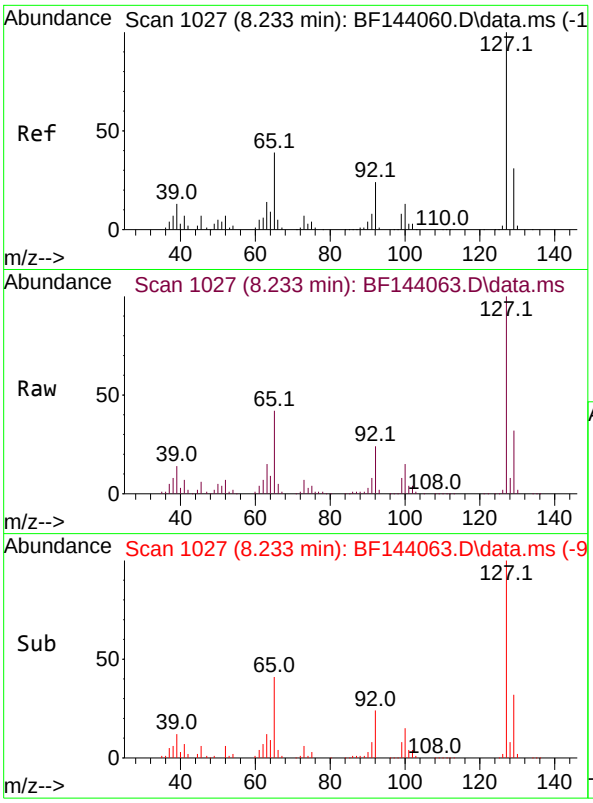


#32
Benzoic acid
Concen: 74.766 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.029 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:122 Resp: 135524

Ion	Ratio	Lower	Upper
122	100		
105	122.4	111.3	151.3
77	97.7	96.7	136.7



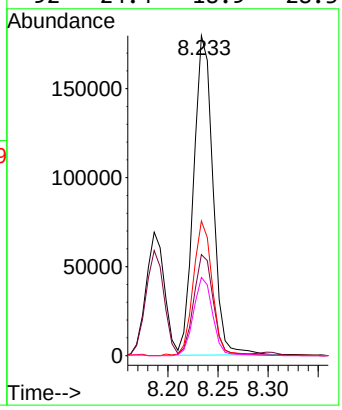


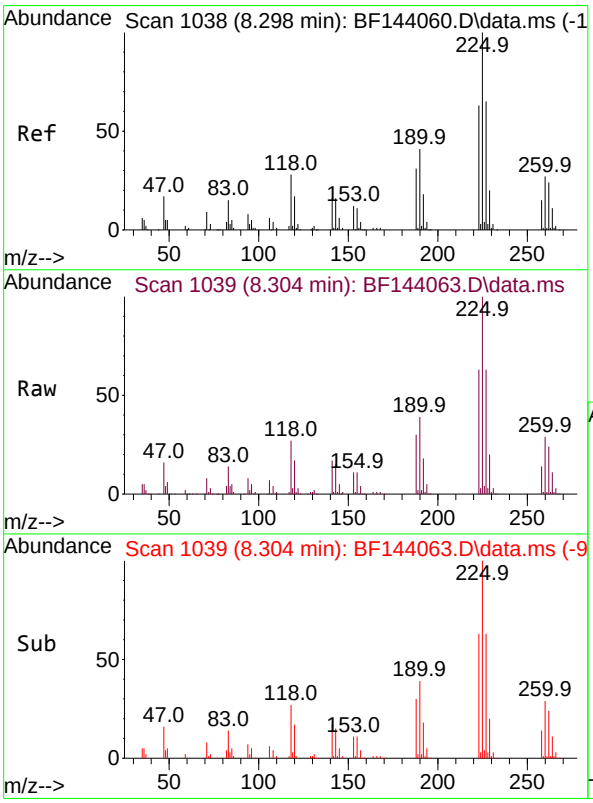
#33
4-Chloroaniline
Concen: 69.535 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 239182

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.6	38.4
65	42.1	30.9	46.3
92	24.4	18.9	28.3

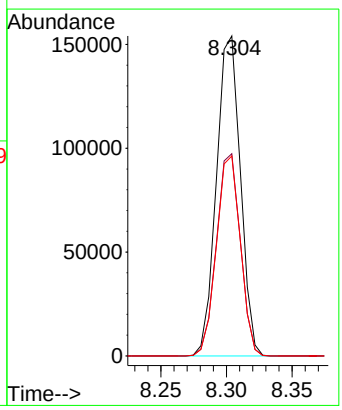


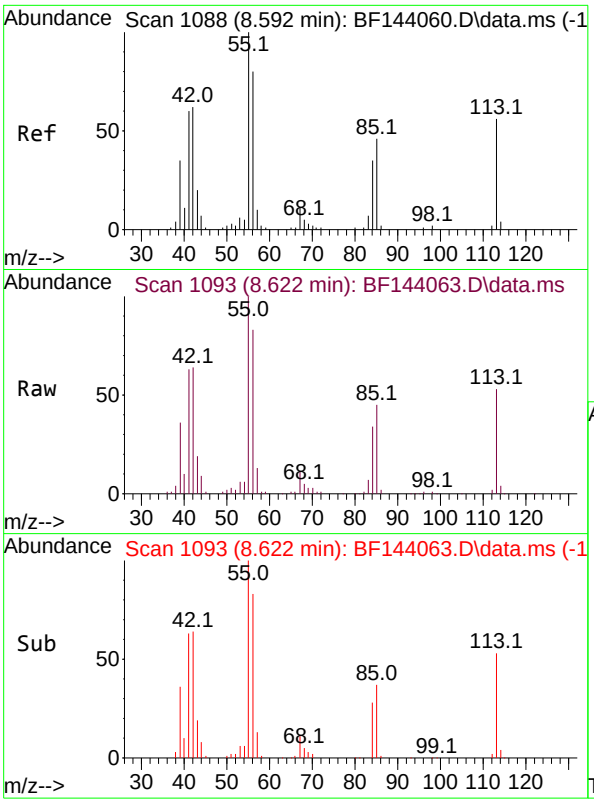


#34
Hexachlorobutadiene
Concen: 70.141 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:225 Resp: 196083

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	62.5	51.8	77.8



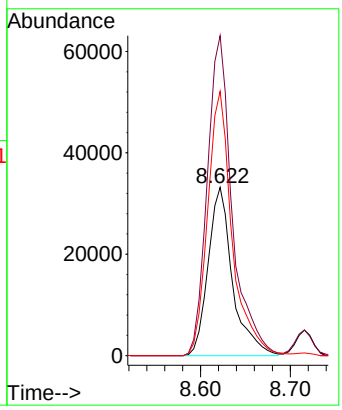


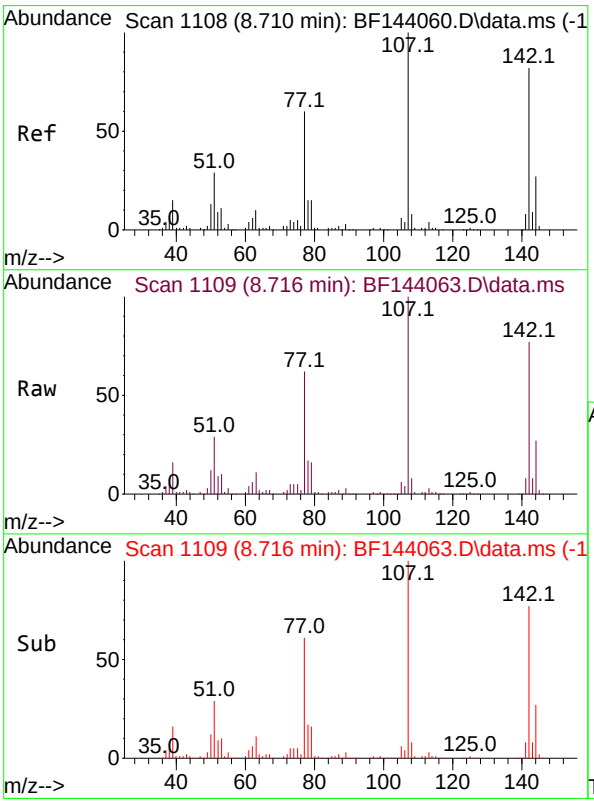
#35
Caprolactam
Concen: 75.462 ng
RT: 8.622 min Scan# 10
Delta R.T. 0.029 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 62887

Ion	Ratio	Lower	Upper
113	100		
55	190.2	160.1	200.1
56	157.0	124.9	164.9

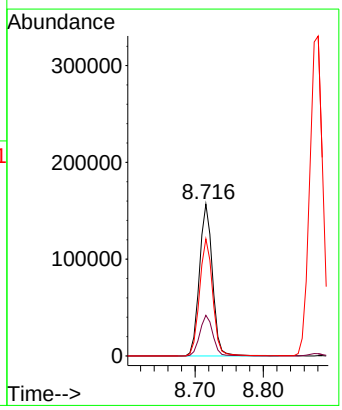


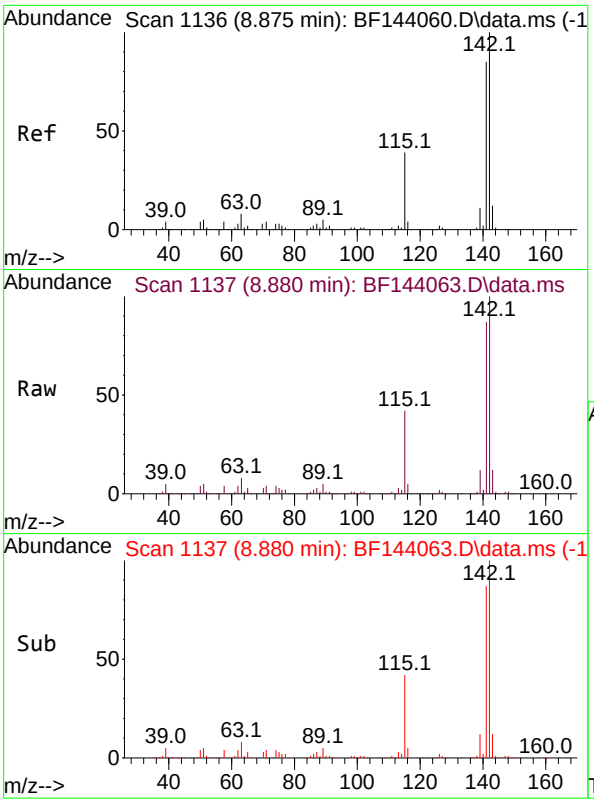


#36
4-Chloro-3-methylphenol
Concen: 71.352 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:107 Resp: 209253

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.6	32.4
142	77.1	65.4	98.0



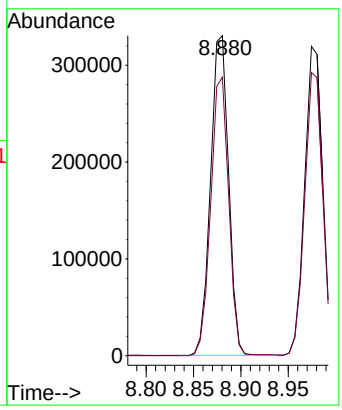


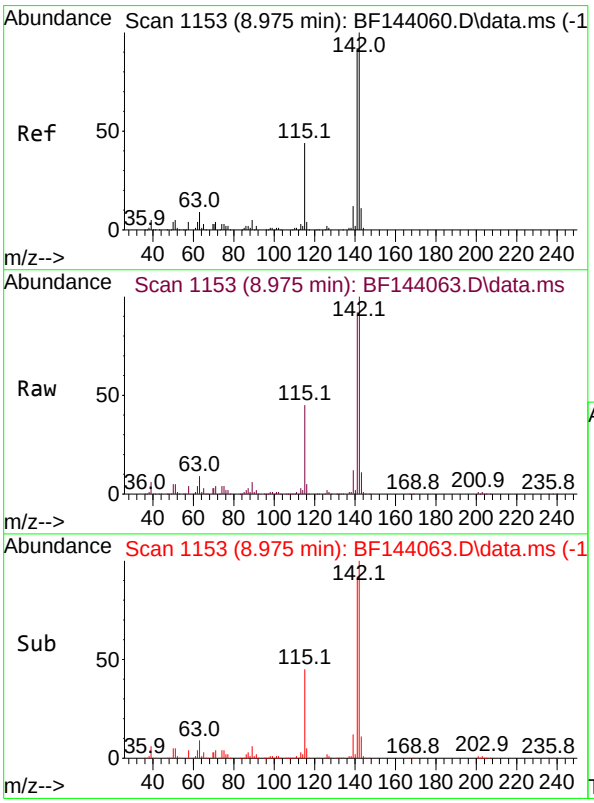
#37
2-Methylnaphthalene
Concen: 67.385 ng
RT: 8.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 438984

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.6	101.4

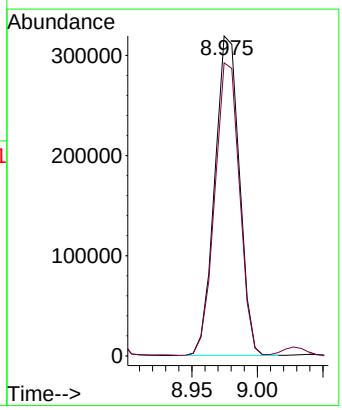


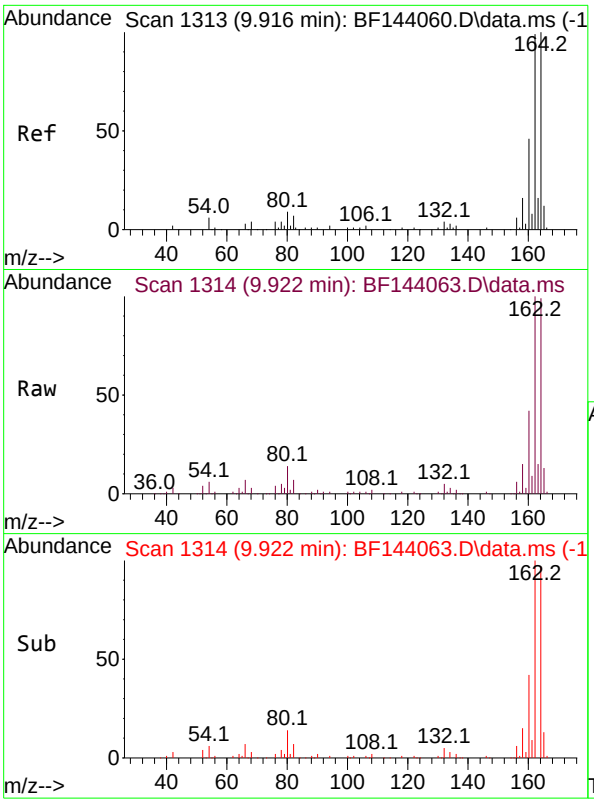


#38
1-Methylnaphthalene
Concen: 67.761 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:142 Resp: 418223

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.4	110.2



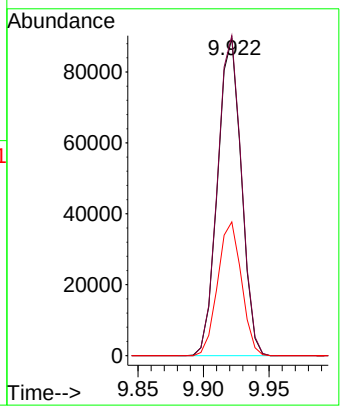


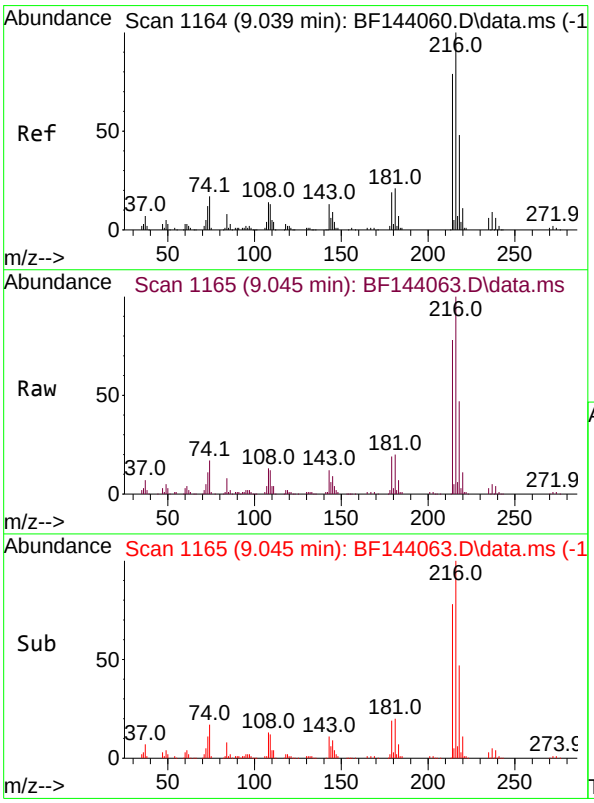
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 112793

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.2
160	42.2	36.7	55.1

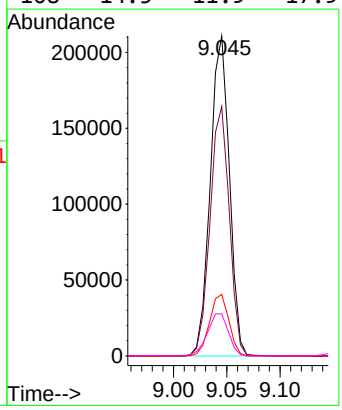


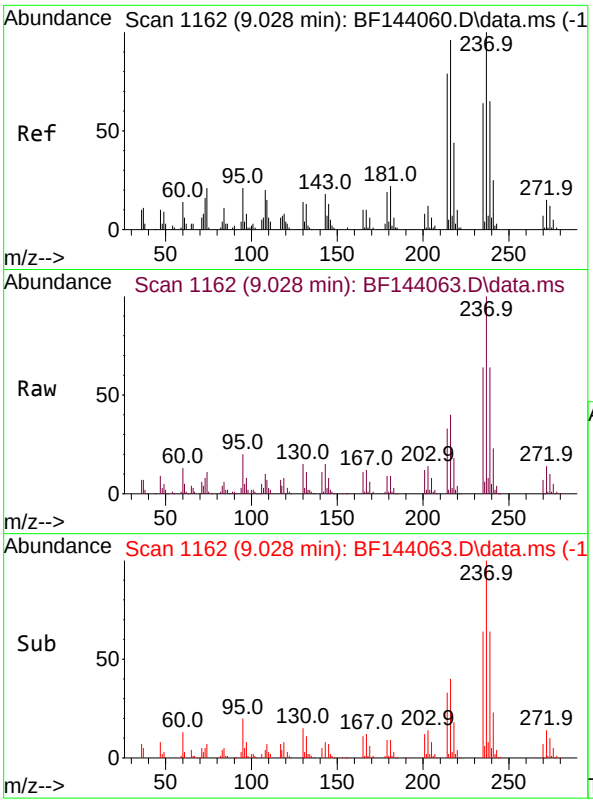


#40
1,2,4,5-Tetrachlorobenzene
Concen: 67.873 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:216 Resp: 263109

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	19.4	15.2	22.8
108	14.5	11.9	17.9



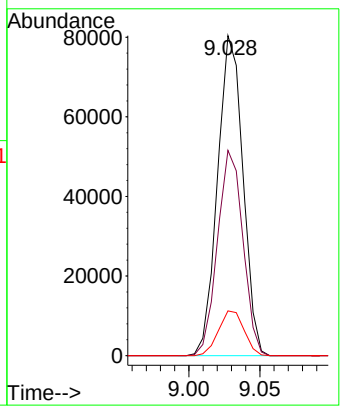


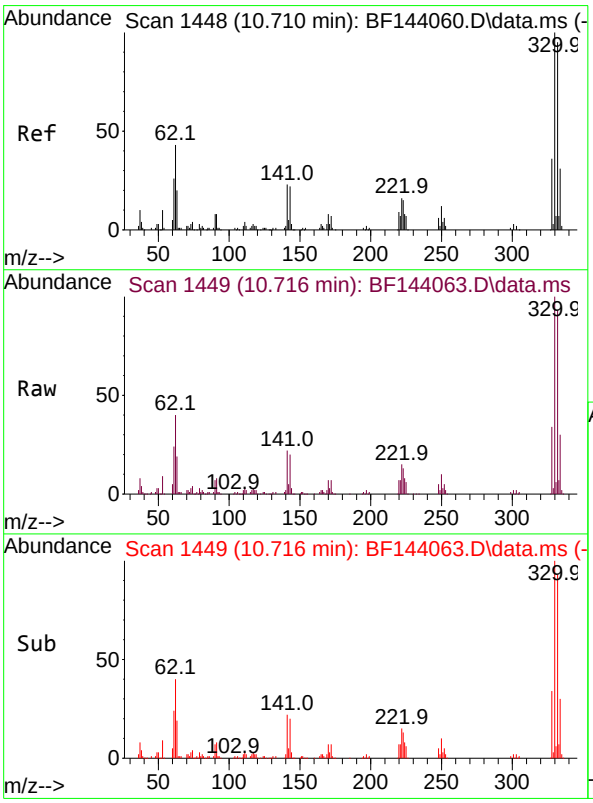
#41
Hexachlorocyclopentadiene
Concen: 83.468 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 99937

Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.3	84.3
272	14.0	0.0	35.2

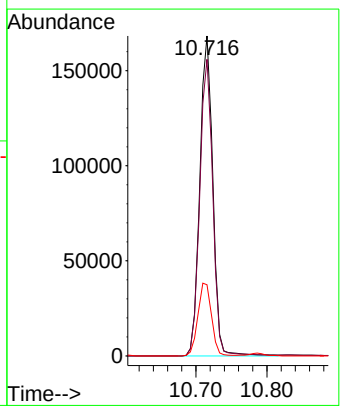


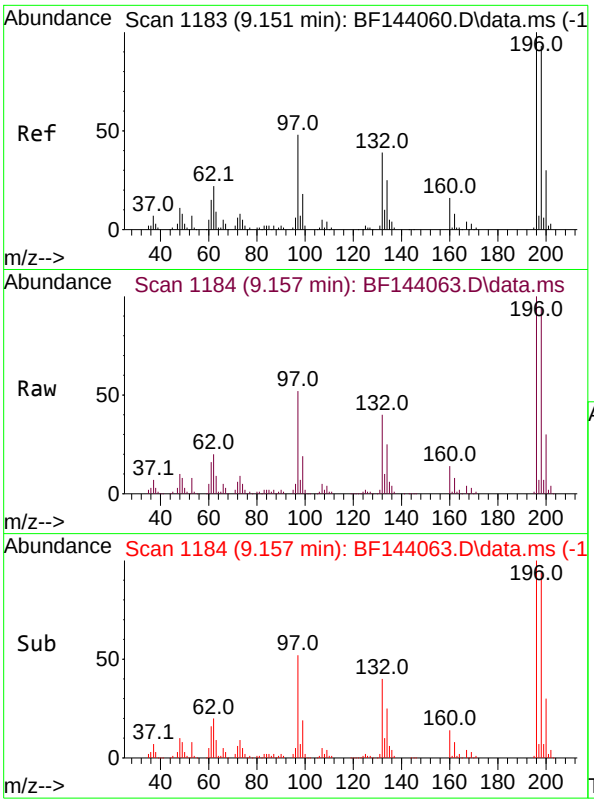


#42
2,4,6-Tribromophenol
Concen: 148.116 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:330 Resp: 212808

Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.0	115.6
141	23.8	19.4	29.0



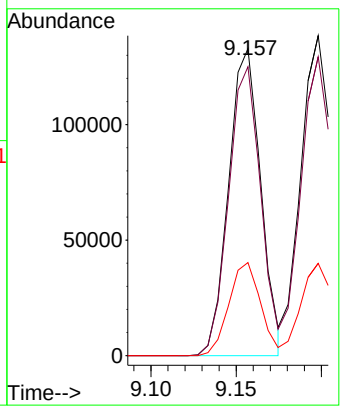


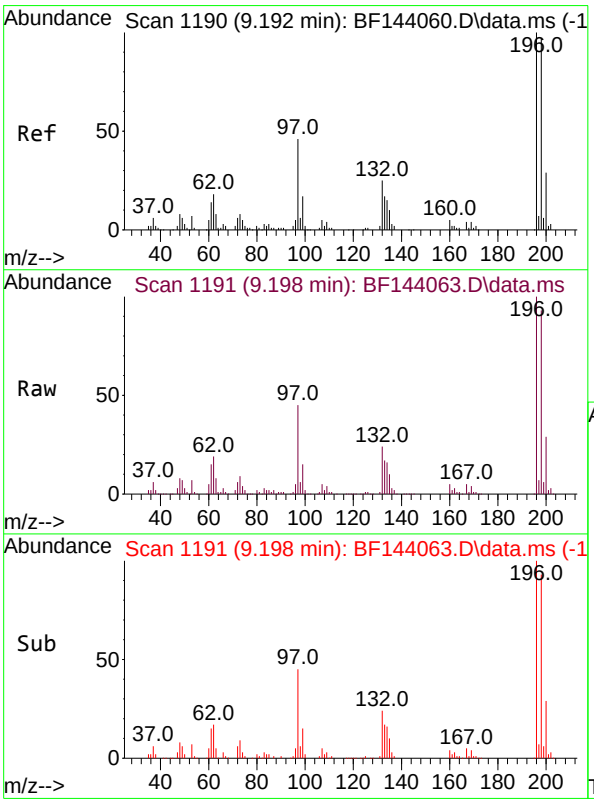
#43
2,4,6-Trichlorophenol
Concen: 69.040 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 173959

Ion	Ratio	Lower	Upper
196	100		
198	94.1	74.4	111.6
200	30.3	23.8	35.8

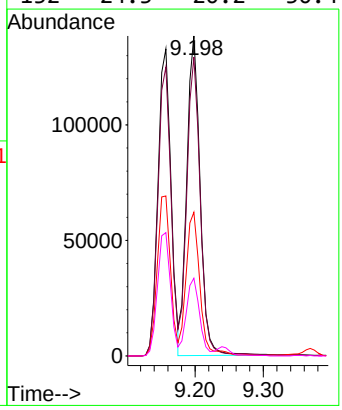


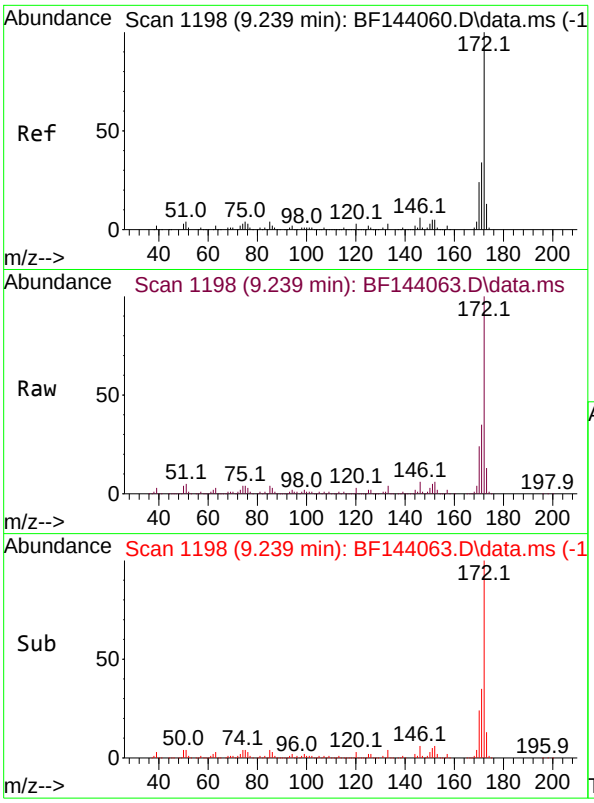


#44
2,4,5-Trichlorophenol
Concen: 71.565 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:196 Resp: 189248

Ion	Ratio	Lower	Upper
196	100		
198	93.4	78.0	117.0
97	44.9	37.7	56.5
132	24.3	20.2	30.4



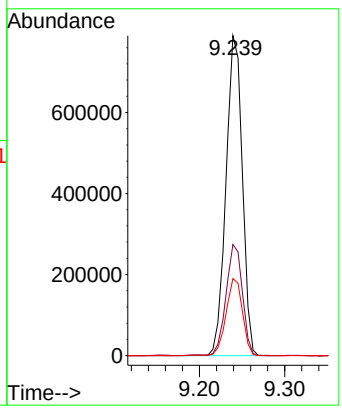


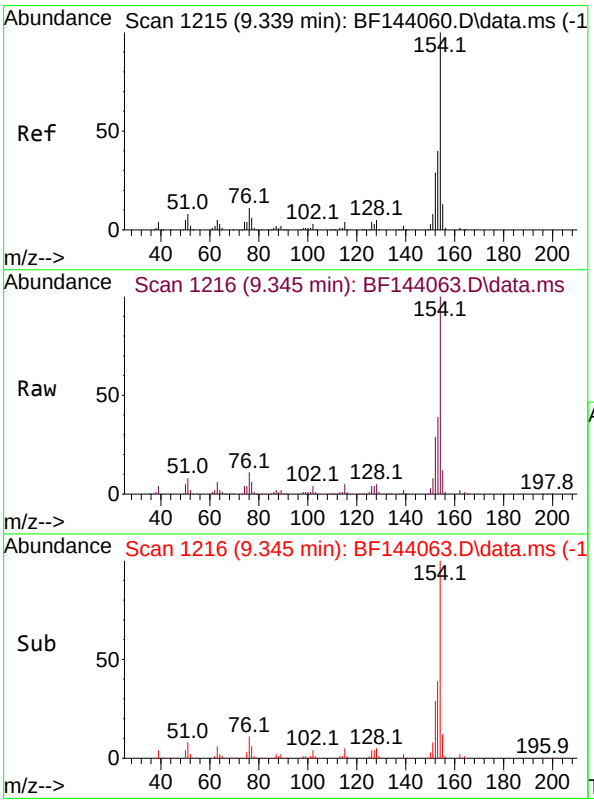
#45
2-Fluorobiphenyl
Concen: 131.050 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1050410

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	24.1	19.0	28.6

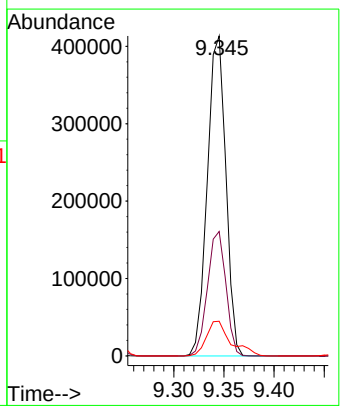


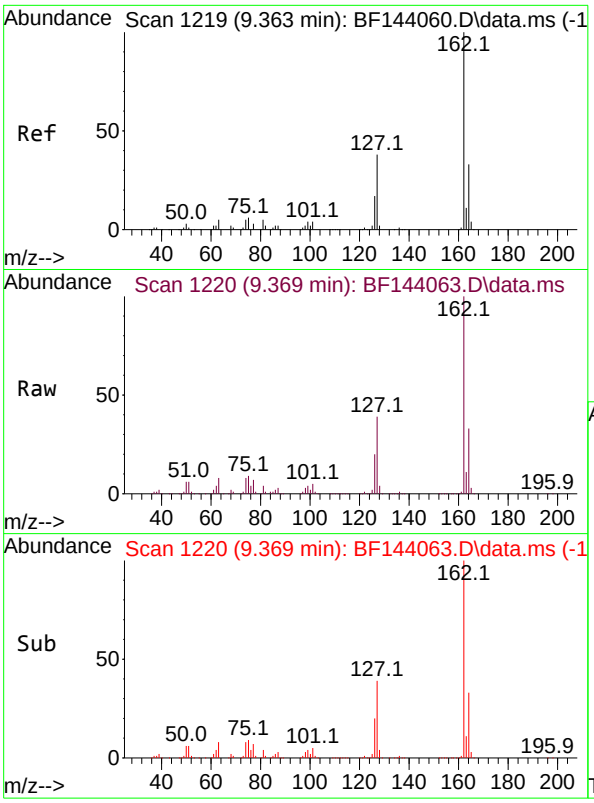


#46
1,1'-Biphenyl
Concen: 65.690 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:154 Resp: 530392

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	10.8	0.0	31.1



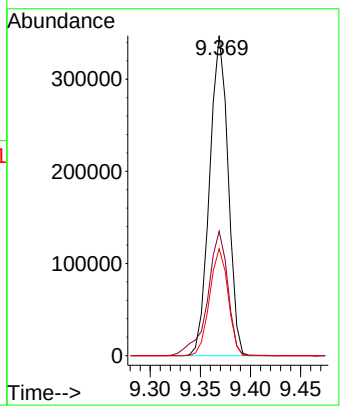


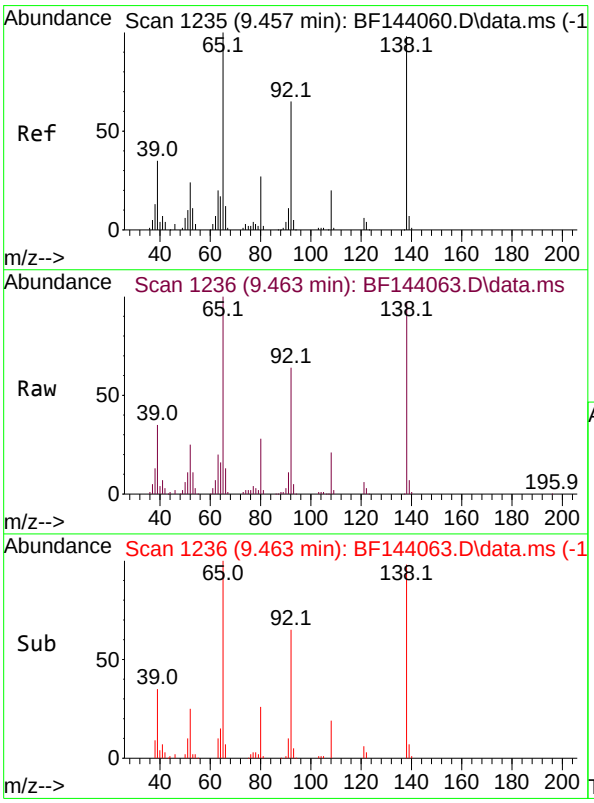
#47
2-Chloronaphthalene
Concen: 65.979 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 446307

Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.6	47.4
164	33.4	26.5	39.7

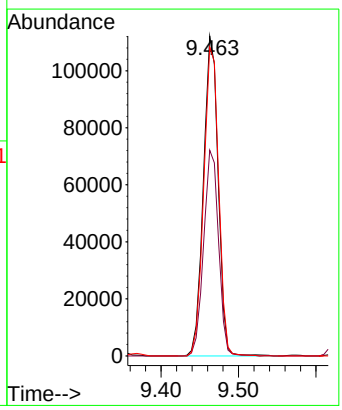


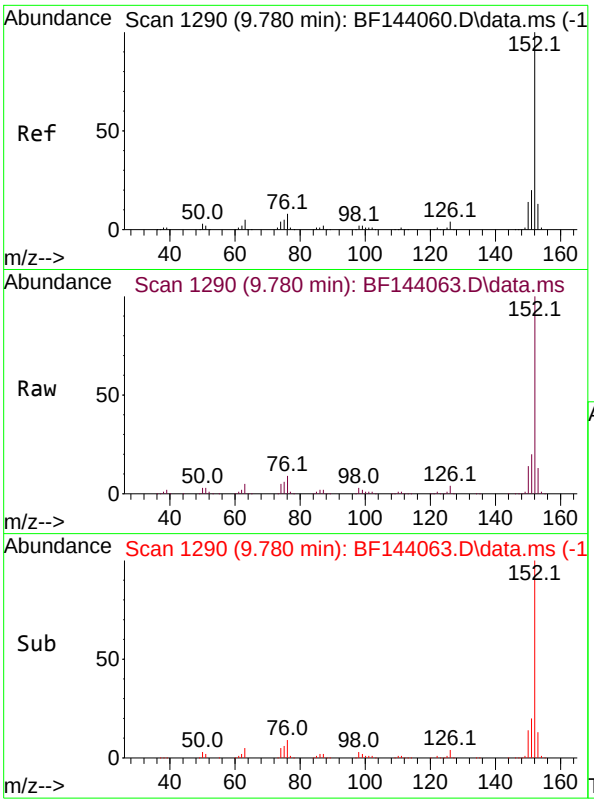


#48
2-Nitroaniline
Concen: 73.762 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 65 Resp: 148164

Ion	Ratio	Lower	Upper
65	100		
92	64.3	52.3	78.5
138	96.5	78.3	117.5



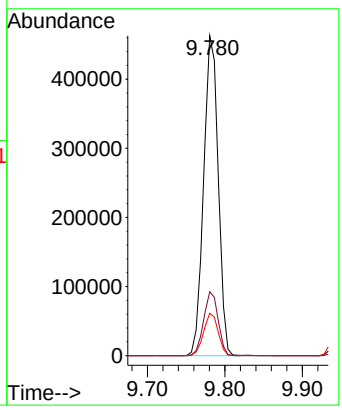


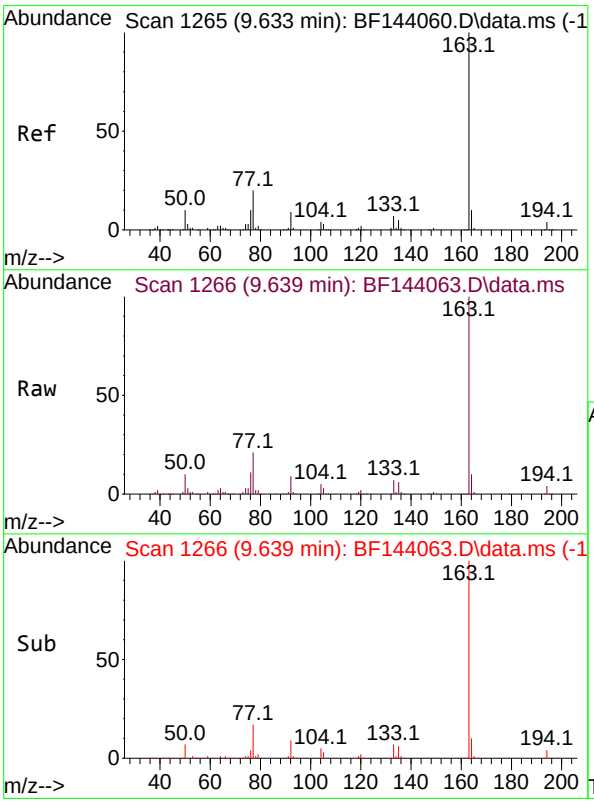
#49
Acenaphthylene
Concen: 66.126 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 603127

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.2	10.4	15.6

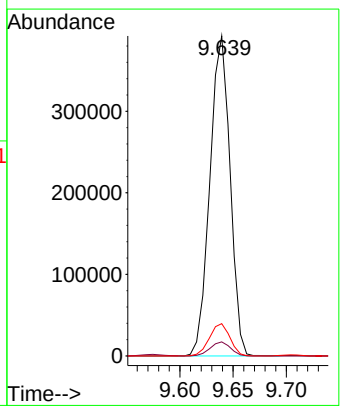


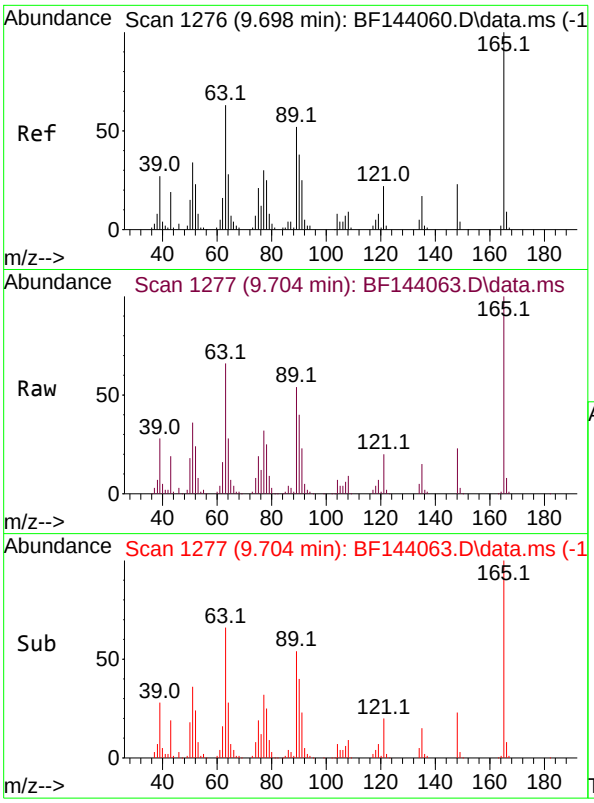


#50
Dimethylphthalate
Concen: 69.954 ng
RT: 9.639 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:163 Resp: 517194

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.1	7.8	11.8



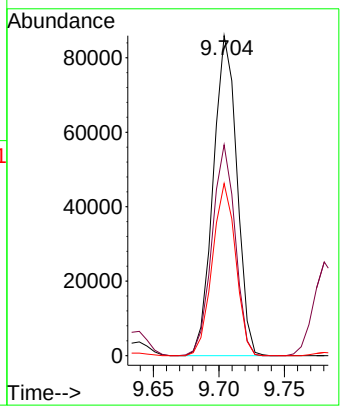


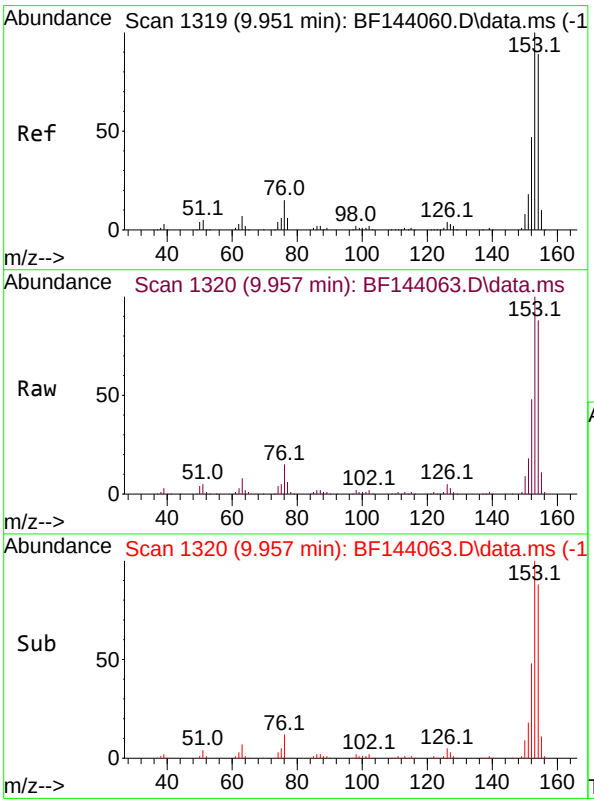
#51
2,6-Dinitrotoluene
Concen: 73.947 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 108081

Ion	Ratio	Lower	Upper
165	100		
63	65.9	50.4	75.6
89	53.8	41.4	62.2

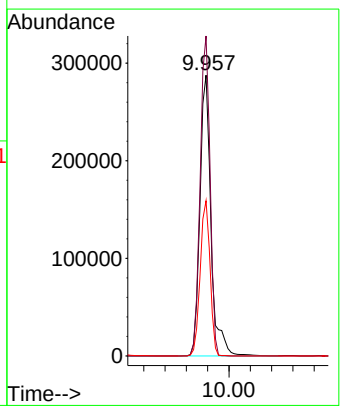


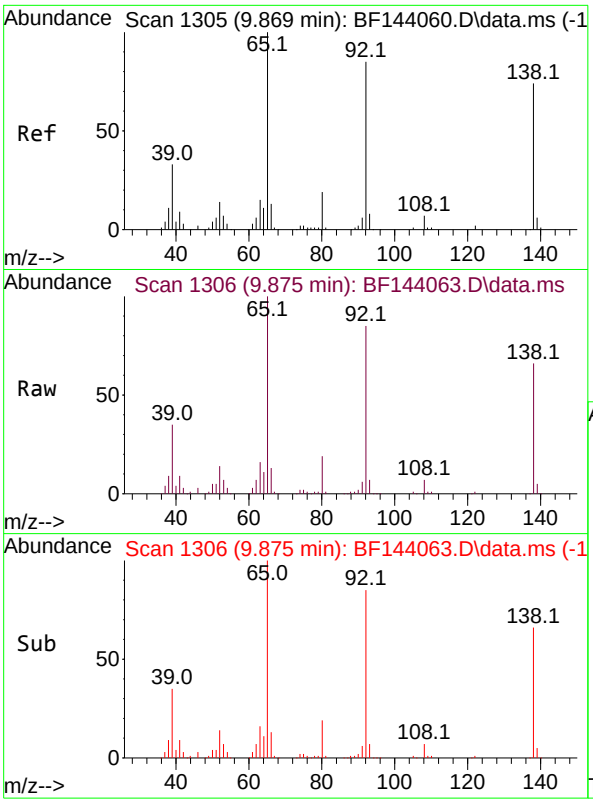


#52
Acenaphthene
Concen: 67.707 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:154 Resp: 412422

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.9	134.9
152	55.3	42.0	63.0



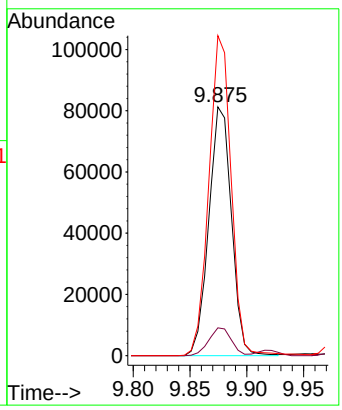


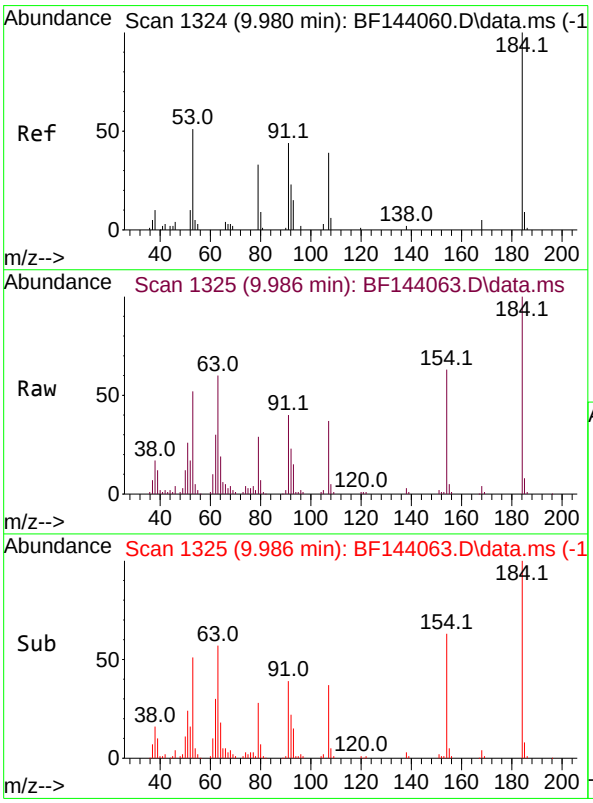
#53
3-Nitroaniline
Concen: 69.421 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 112811

Ion	Ratio	Lower	Upper
138	100		
108	11.2	7.9	11.9
92	128.6	92.0	138.0

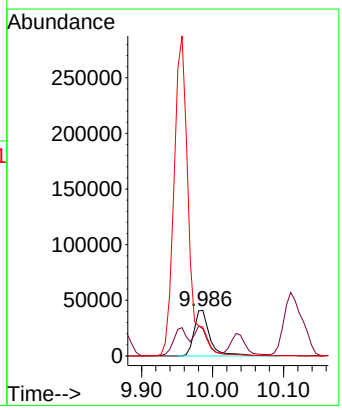


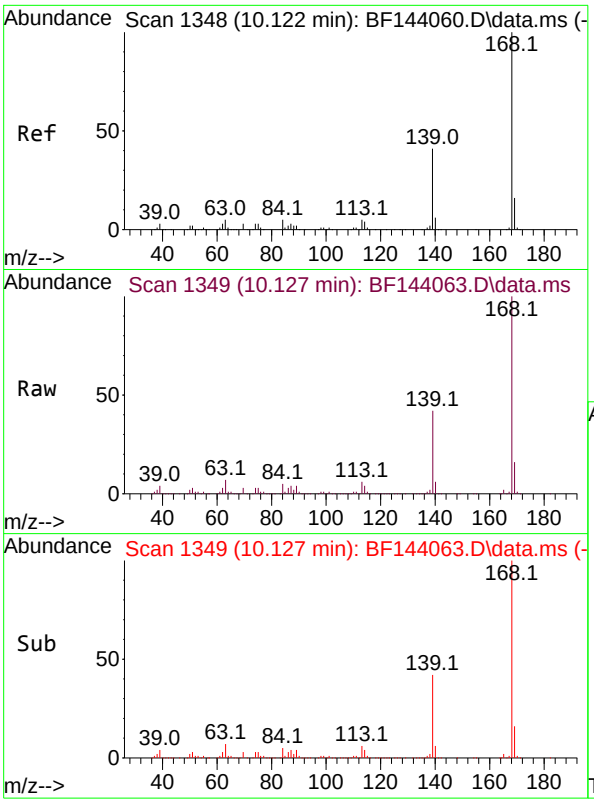


#54
2,4-Dinitrophenol
Concen: 79.646 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:184 Resp: 62962

Ion	Ratio	Lower	Upper
184	100		
63	59.8	52.1	78.1
154	63.3	47.9	71.9



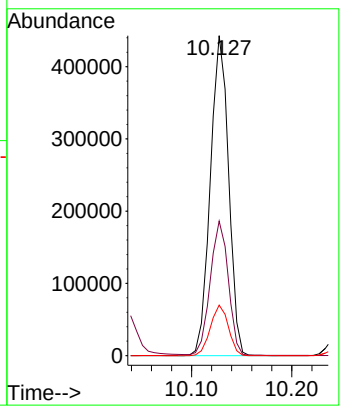


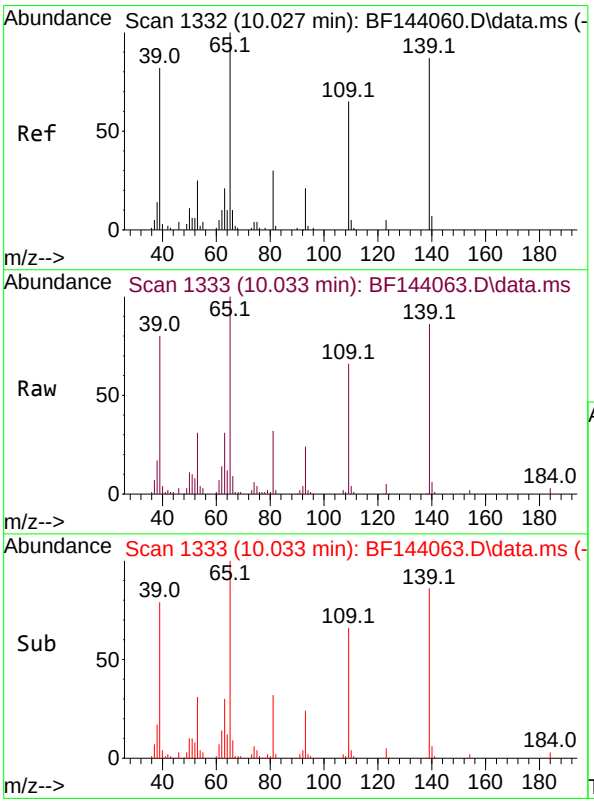
#55
Dibenzofuran
Concen: 66.253 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 560264

Ion	Ratio	Lower	Upper
168	100		
139	42.0	33.2	49.8
169	15.8	12.6	19.0

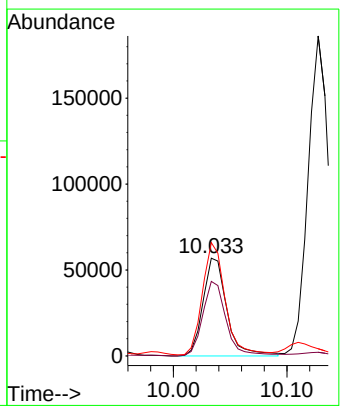


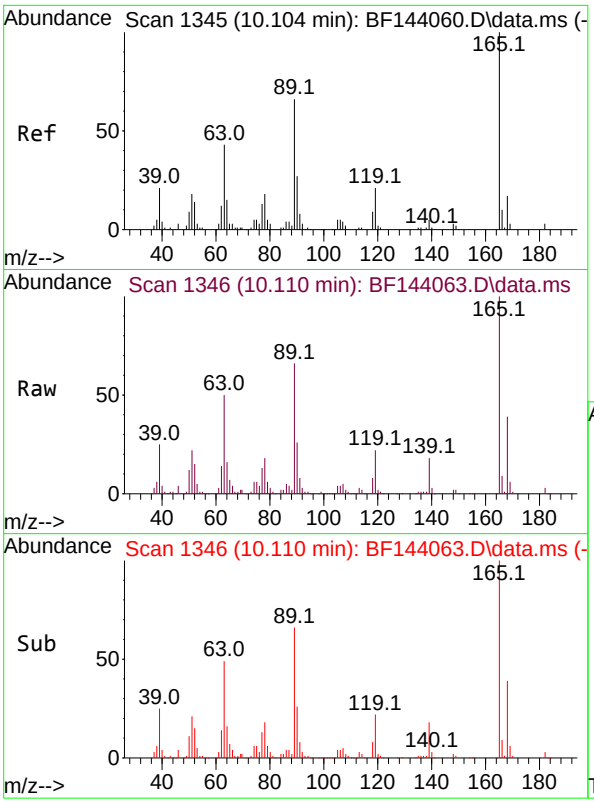


#56
4-Nitrophenol
Concen: 75.509 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:139 Resp: 83091

Ion	Ratio	Lower	Upper
139	100		
109	76.3	53.8	93.8
65	115.9	95.9	135.9



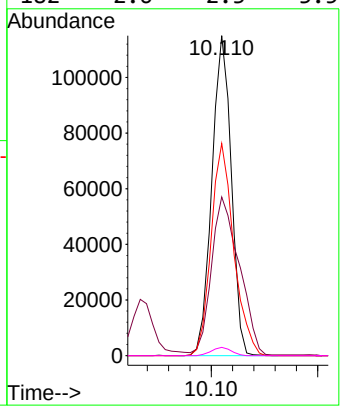


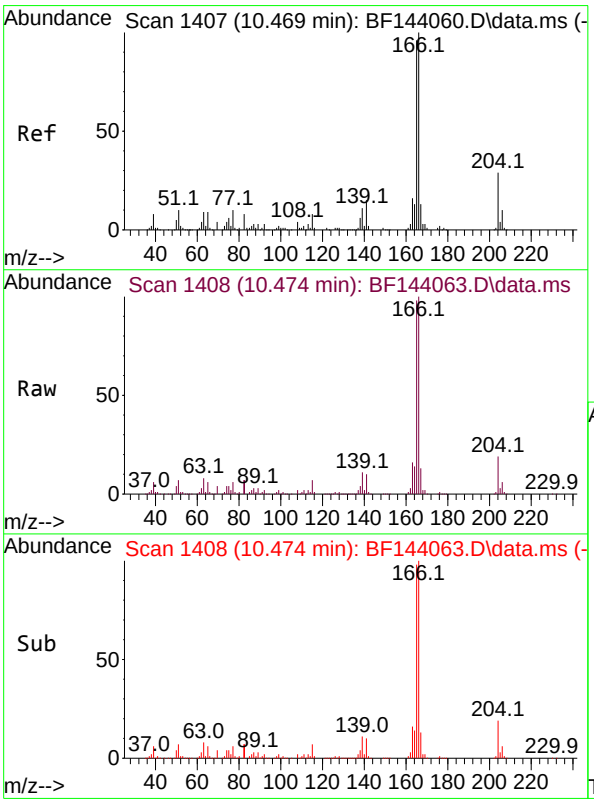
#57
2,4-Dinitrotoluene
Concen: 73.844 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 145667

Ion	Ratio	Lower	Upper
165	100		
63	49.6	35.4	53.2
89	66.3	52.7	79.1
182	2.6	2.3	3.5

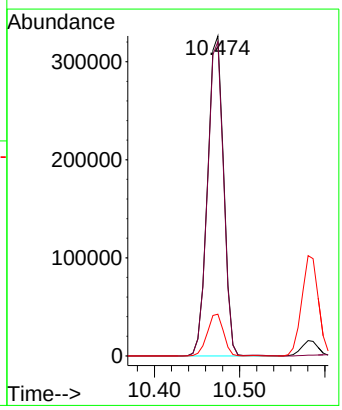


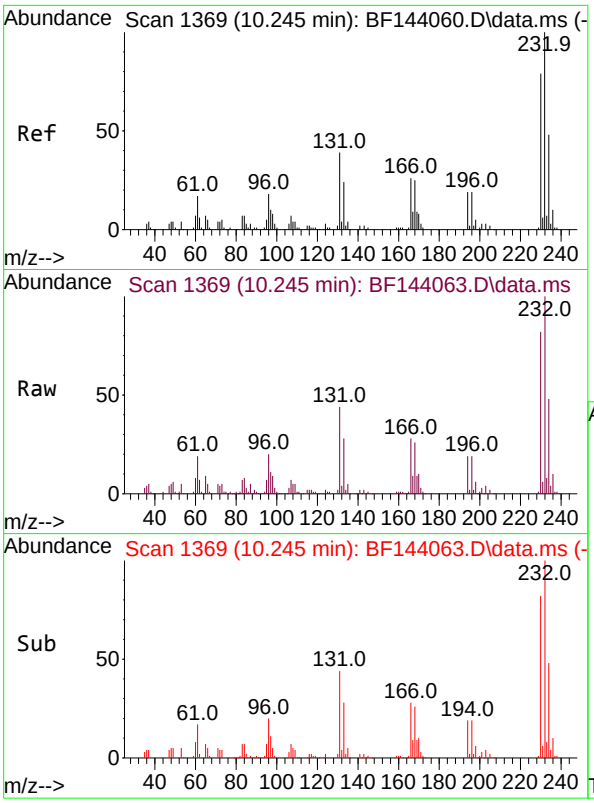


#58
Fluorene
Concen: 66.175 ng
RT: 10.474 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:166 Resp: 426390

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.0	115.4
167	13.0	10.2	15.4



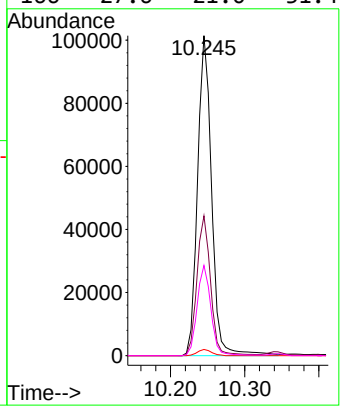


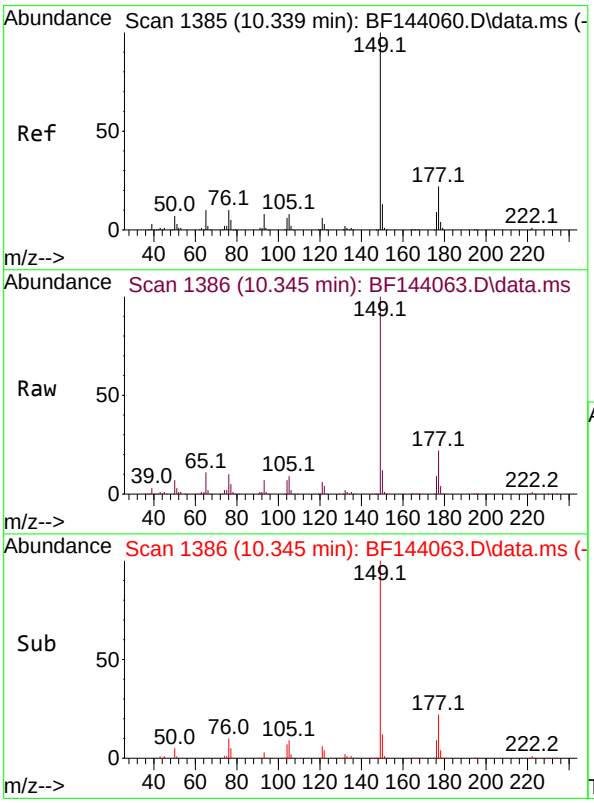
#59
2,3,4,6-Tetrachlorophenol
Concen: 71.865 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 133917

Ion	Ratio	Lower	Upper
232	100		
131	42.4	31.9	47.9
130	1.9	1.1	1.7#
166	27.6	21.0	31.4

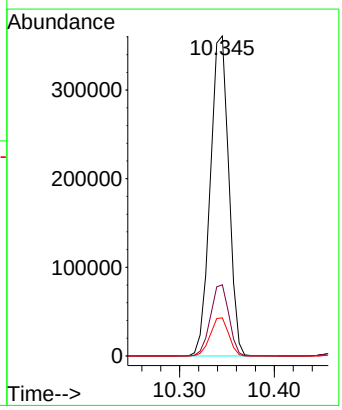


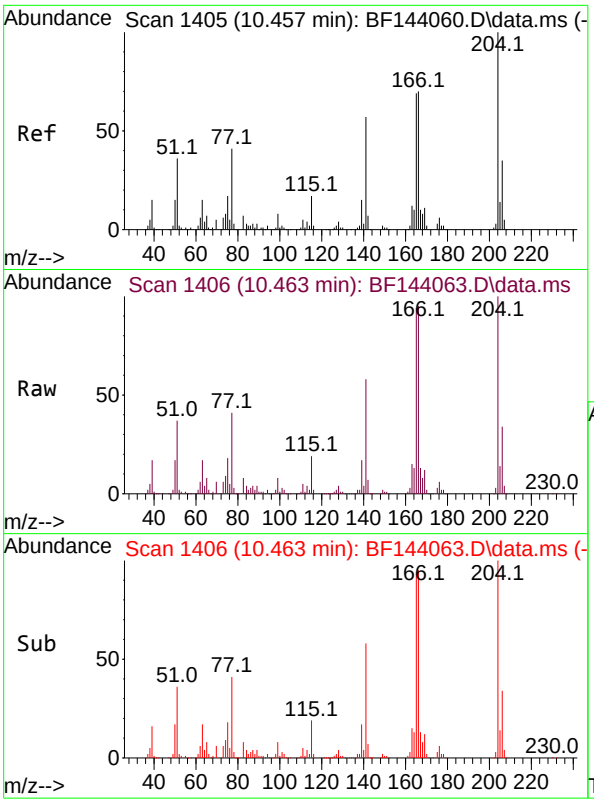


#60
Diethylphthalate
Concen: 70.274 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 488605

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	11.9	10.1	15.1



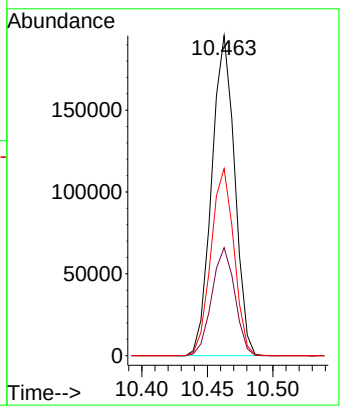


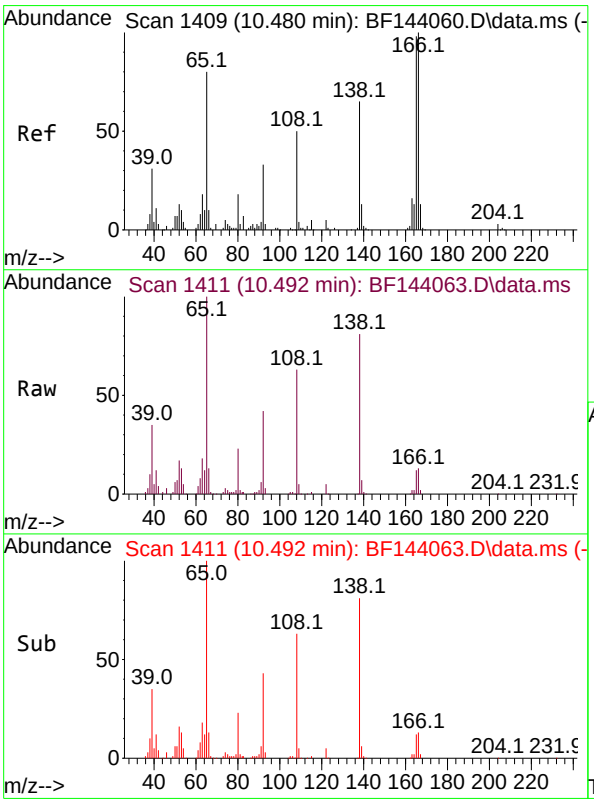
#61
4-Chlorophenyl-phenylether
Concen: 65.871 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 238684

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.8	41.6
141	58.4	45.4	68.2

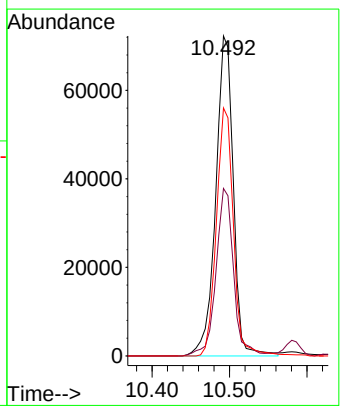


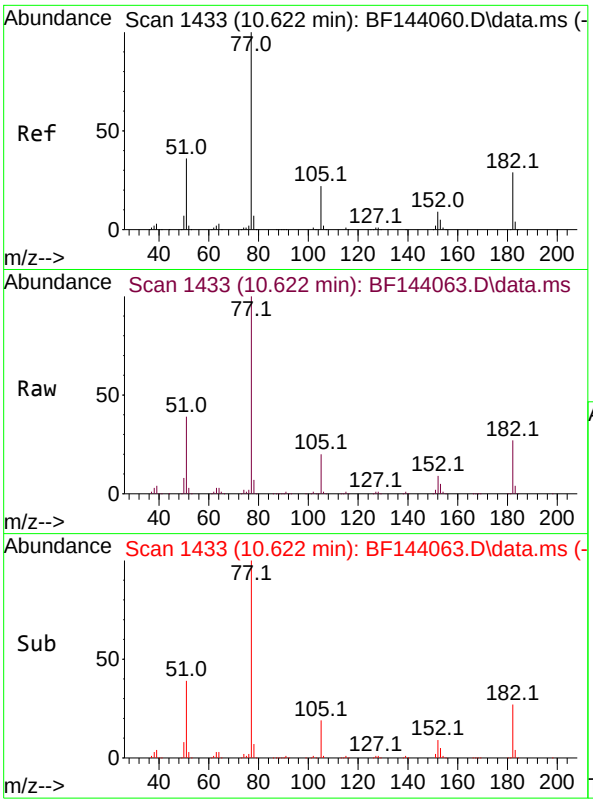


#62
4-Nitroaniline
Concen: 73.997 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:138 Resp: 113935

Ion	Ratio	Lower	Upper
138	100		
92	52.3	30.5	70.5
108	77.5	56.2	96.2



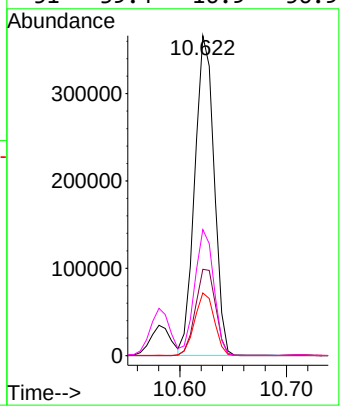


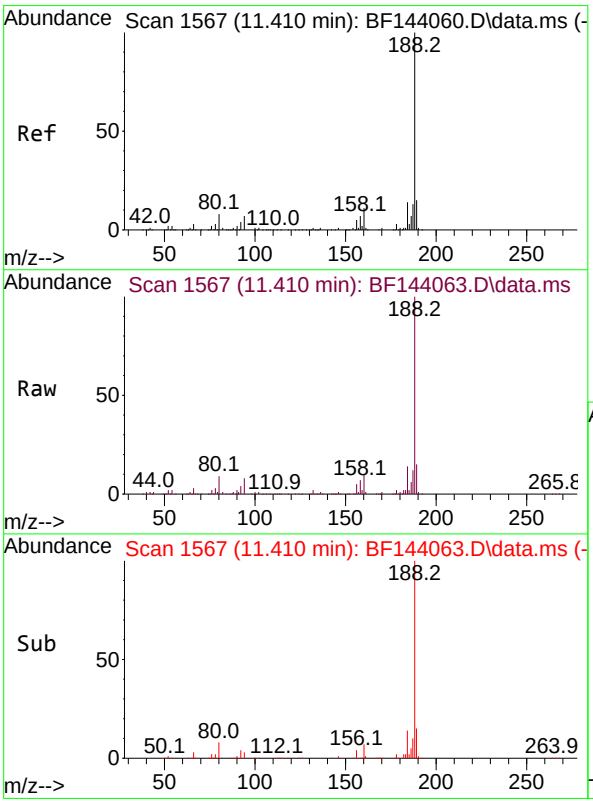
#63
Azobenzene
Concen: 69.934 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 460222

Ion	Ratio	Lower	Upper
77	100		
182	27.0	9.0	49.0
105	19.6	1.4	41.4
51	39.4	16.9	56.9

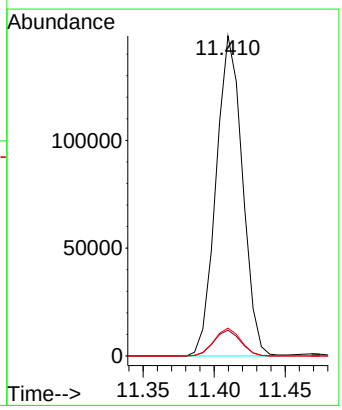


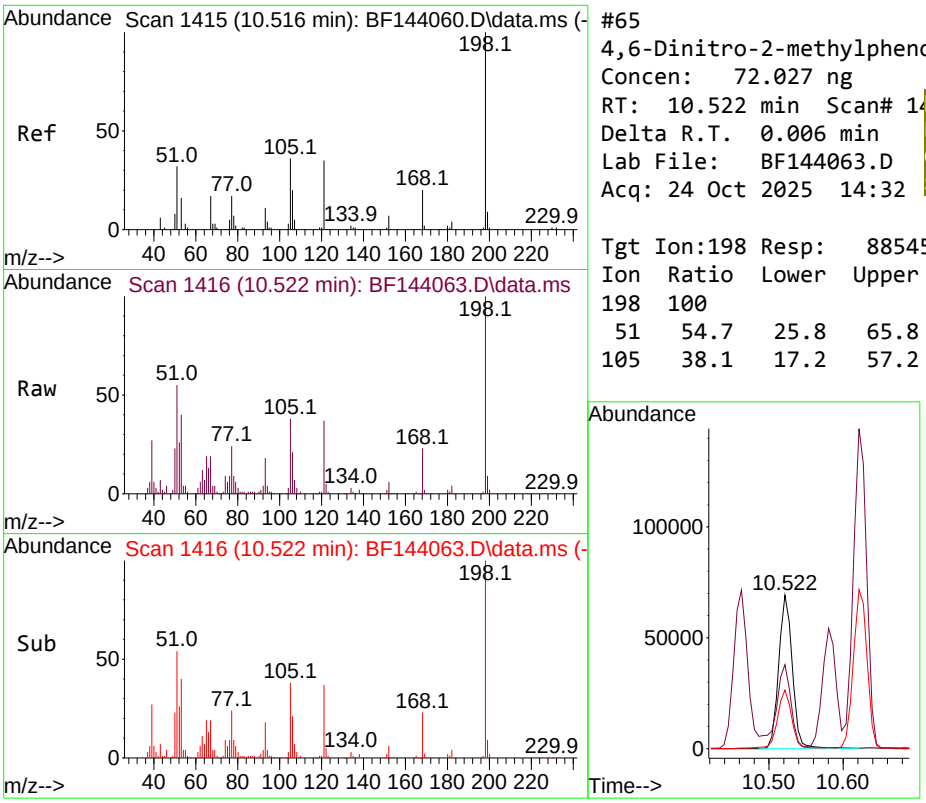


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:188 Resp: 191608

Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.4	8.0
80	8.7	6.0	9.0



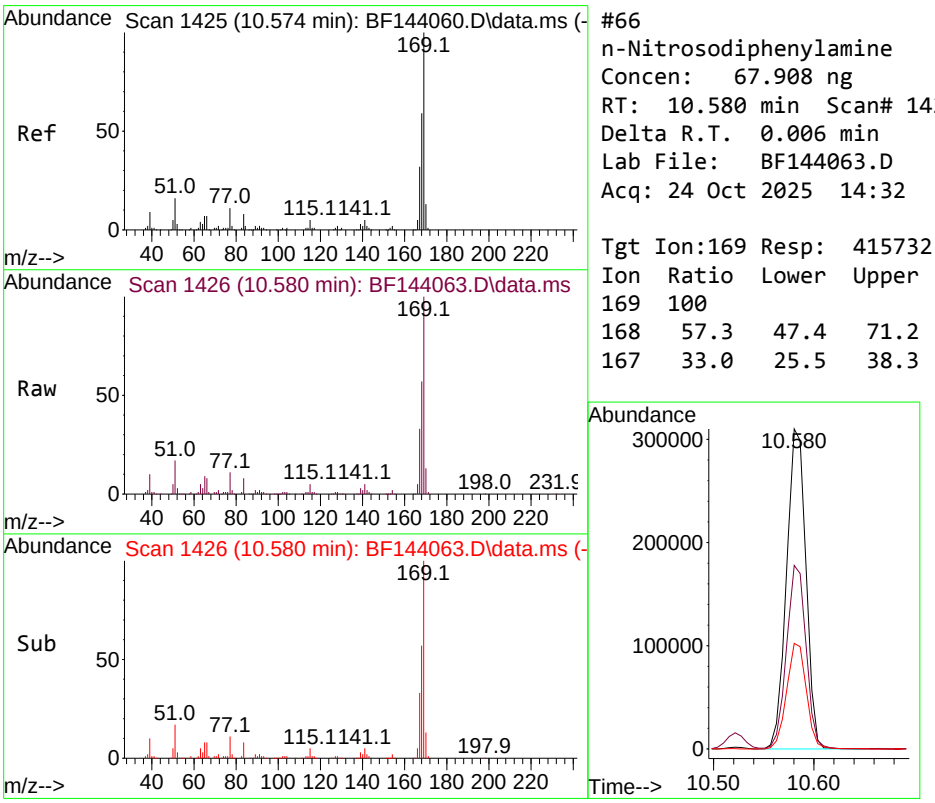


#65
4,6-Dinitro-2-methylphenol
Concen: 72.027 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 88545

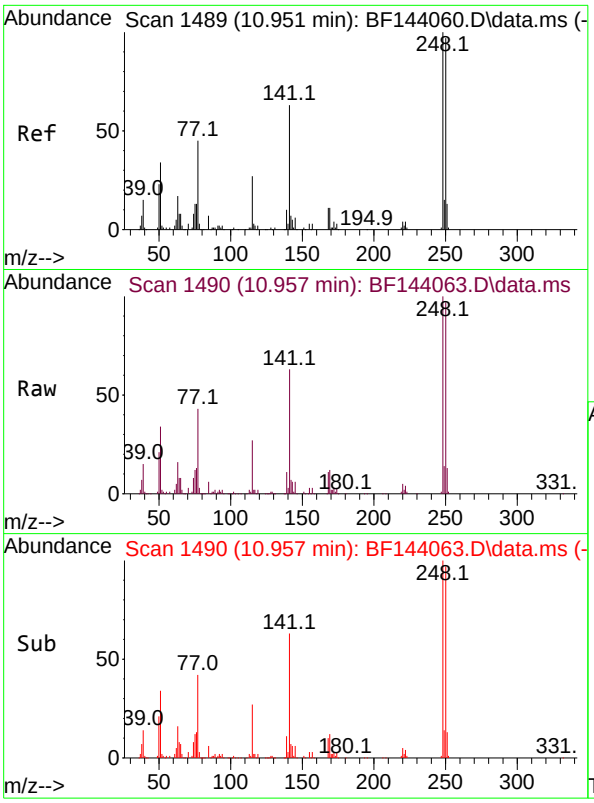
Ion	Ratio	Lower	Upper
198	100		
51	54.7	25.8	65.8
105	38.1	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 67.908 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:169 Resp: 415732

Ion	Ratio	Lower	Upper
169	100		
168	57.3	47.4	71.2
167	33.0	25.5	38.3

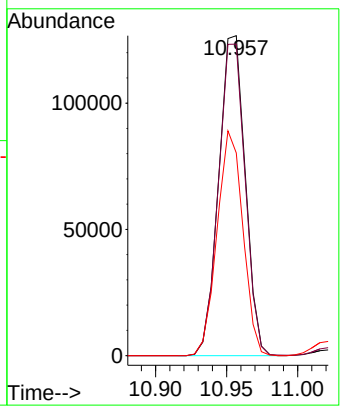


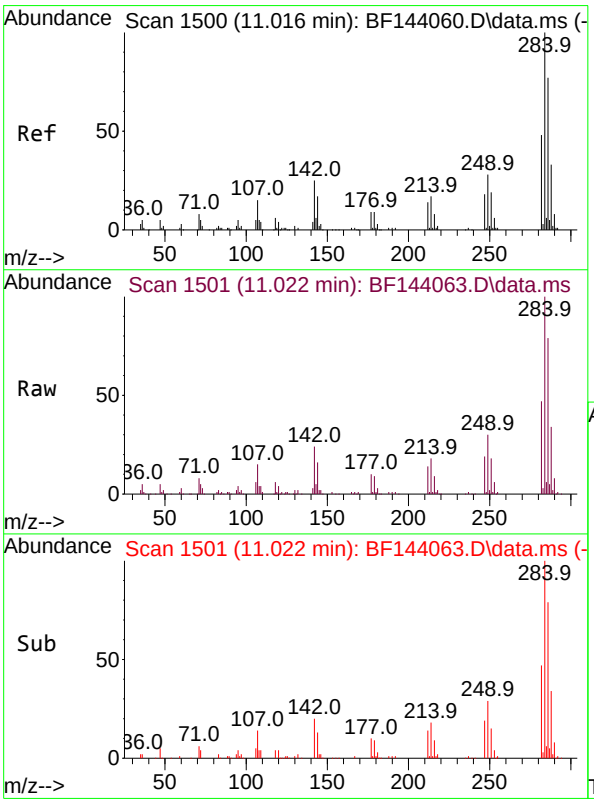
#67
4-Bromophenyl-phenylether
Concen: 68.643 ng
RT: 10.957 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 164677

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.6
141	63.3	50.5	75.7

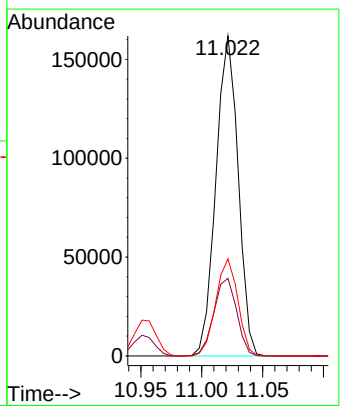


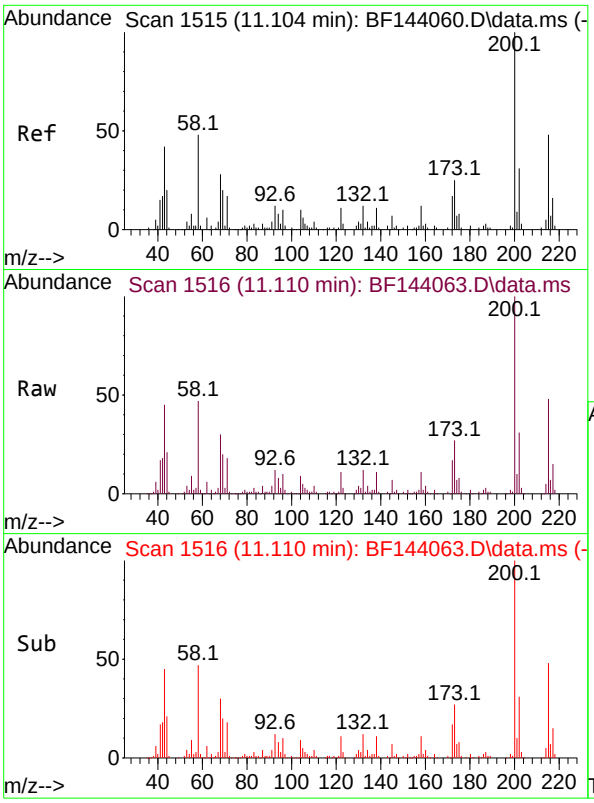


#68
Hexachlorobenzene
Concen: 69.766 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:284 Resp: 205267

Ion	Ratio	Lower	Upper
284	100		
142	24.2	20.0	30.0
249	30.3	22.2	33.2



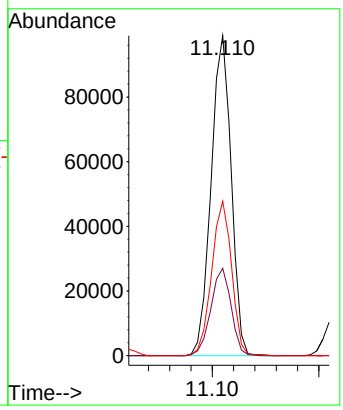


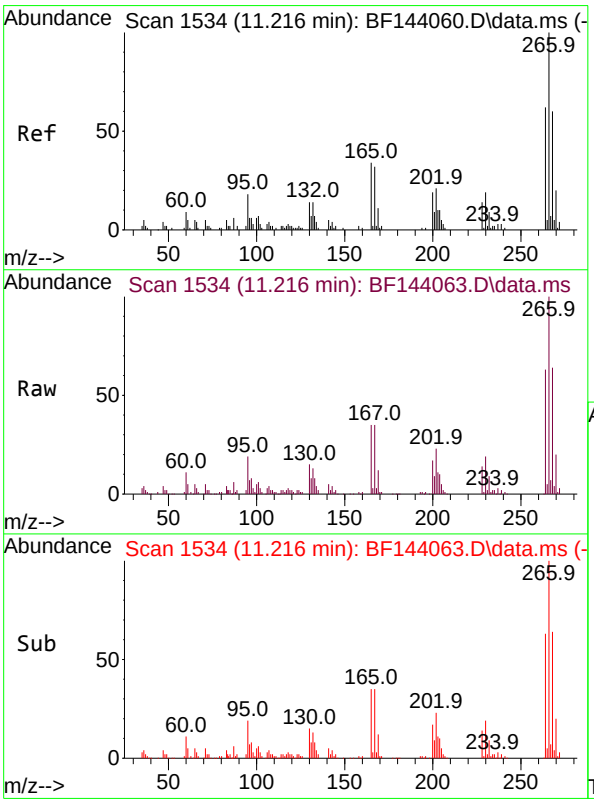
#69
Atrazine
Concen: 64.536 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 129646

Ion	Ratio	Lower	Upper
200	100		
173	27.3	4.9	44.9
215	48.3	28.2	68.2

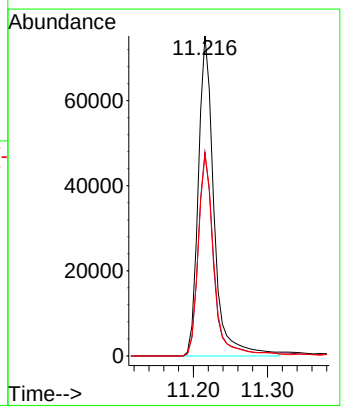


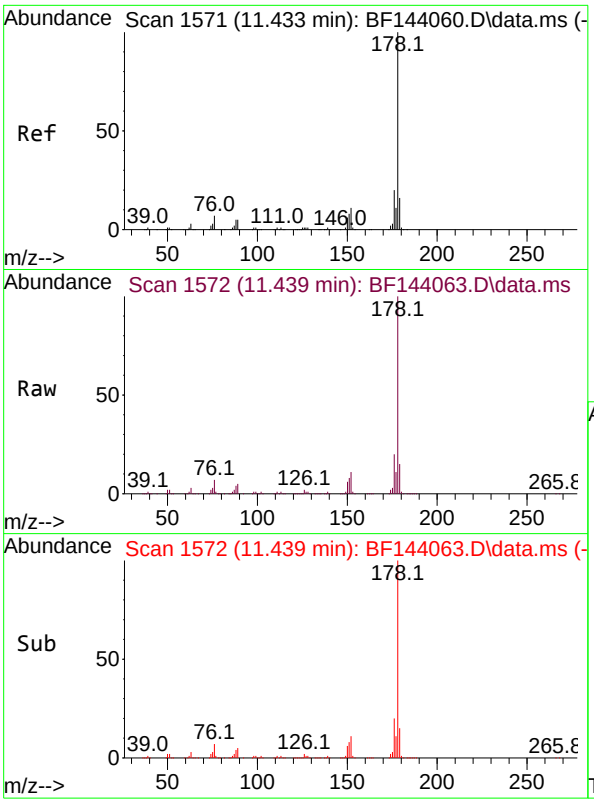


#70
Pentachlorophenol
Concen: 79.055 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:266 Resp: 110717

Ion	Ratio	Lower	Upper
266	100		
268	63.6	48.2	72.4
264	62.9	49.4	74.0



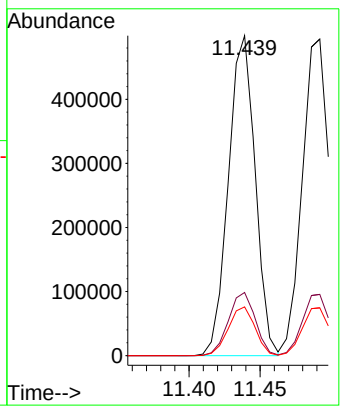


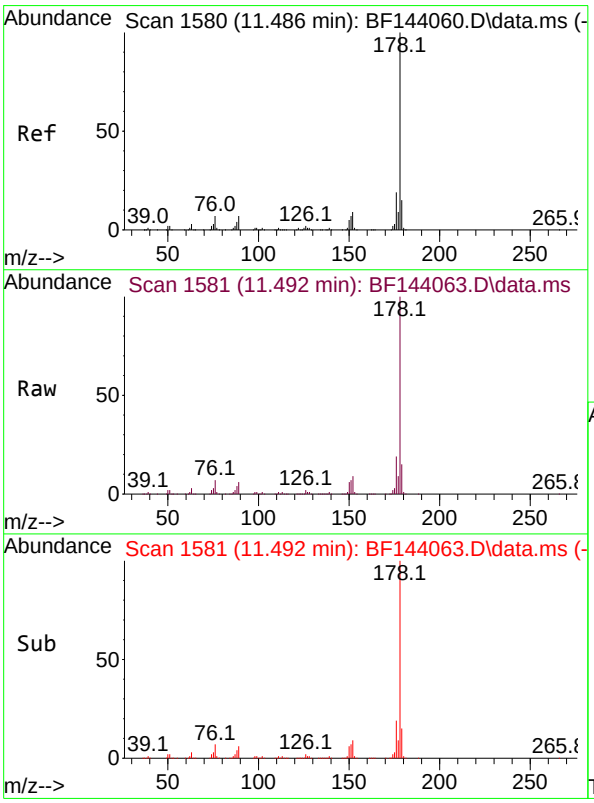
#71
Phenanthrene
Concen: 68.769 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 654557

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.2	12.6	18.8

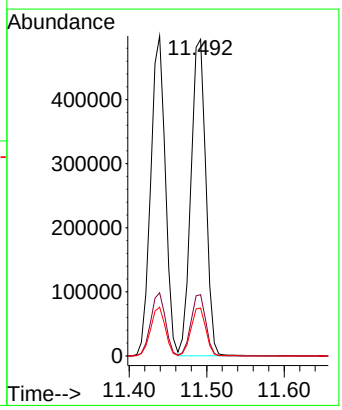


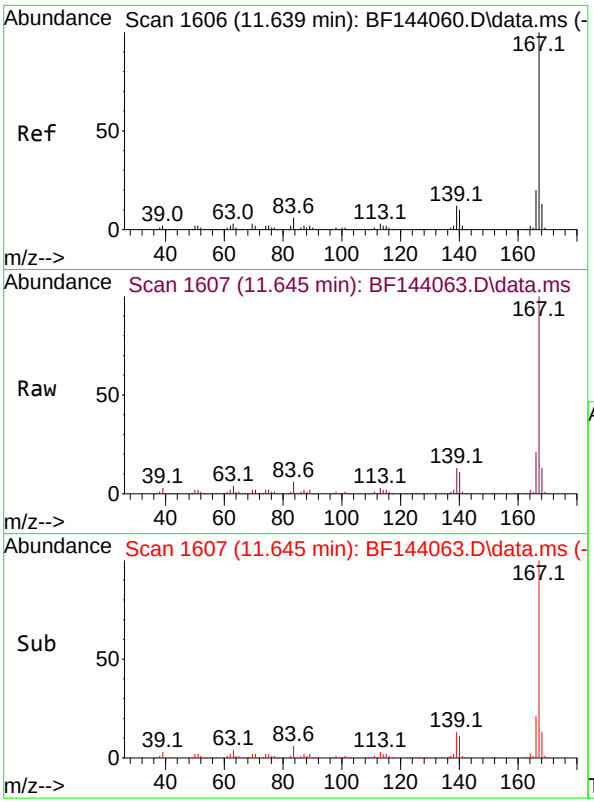


#72
Anthracene
Concen: 66.765 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:178 Resp: 656473

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.1	11.8	17.6



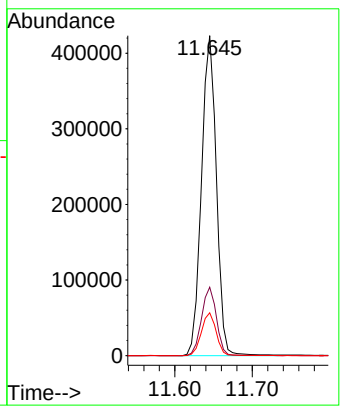


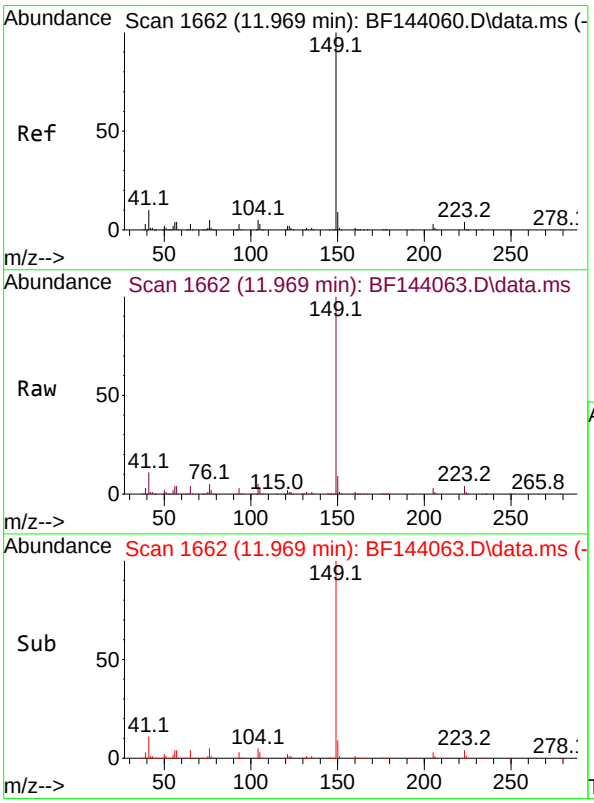
#73
Carbazole
Concen: 67.538 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 565232

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.1	24.1
139	13.4	9.8	14.6

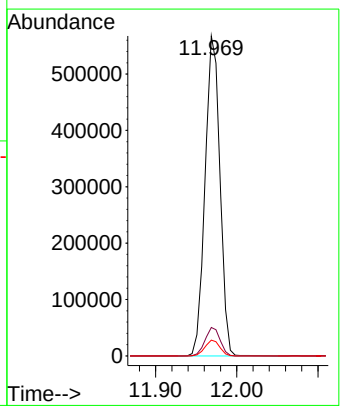


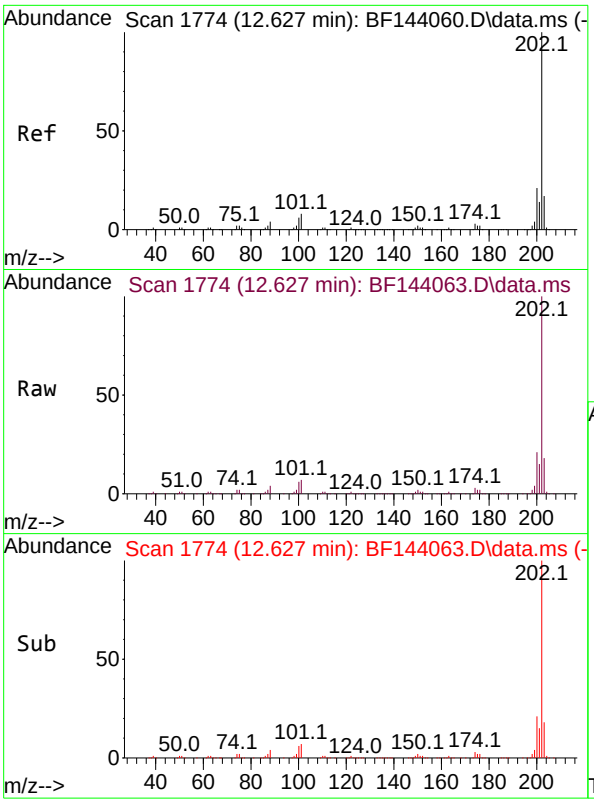


#74
Di-n-butylphthalate
Concen: 70.556 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 723962

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.9	3.6	5.4



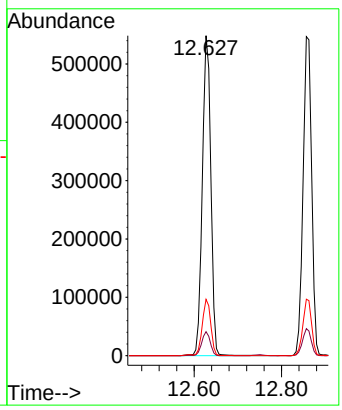


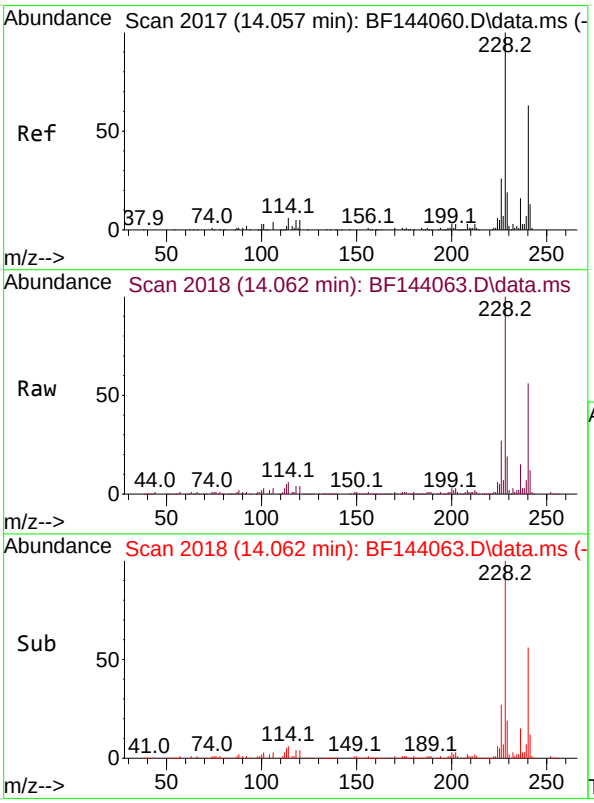
#75
Fluoranthene
Concen: 69.552 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 731393

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	17.6	0.0	37.3

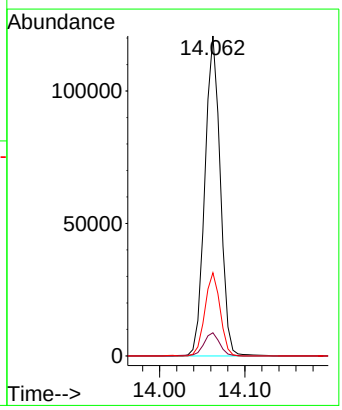


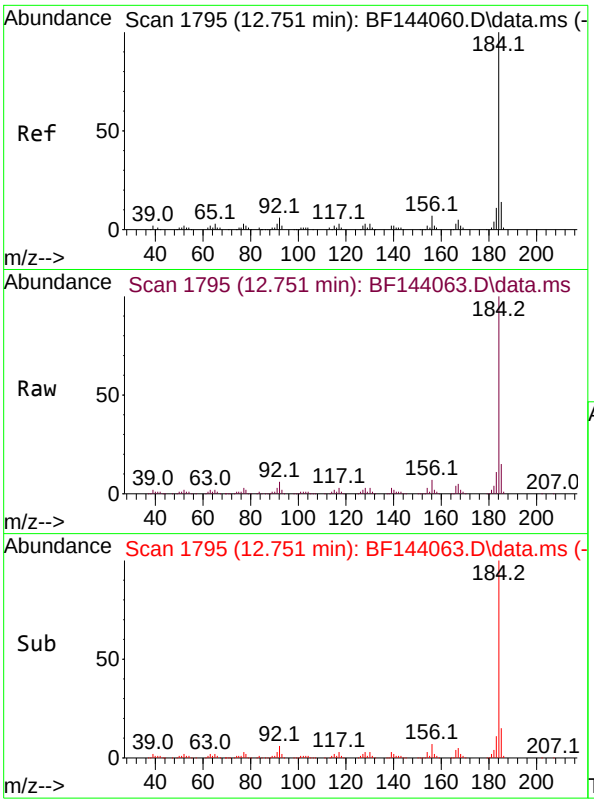


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:240 Resp: 151514

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.5	9.7
236	26.0	20.1	30.1



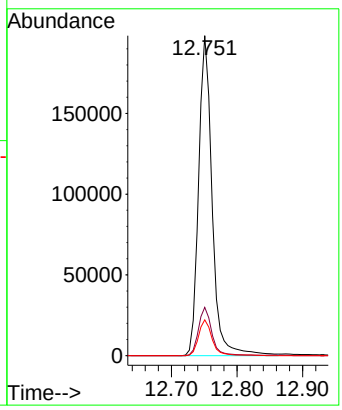


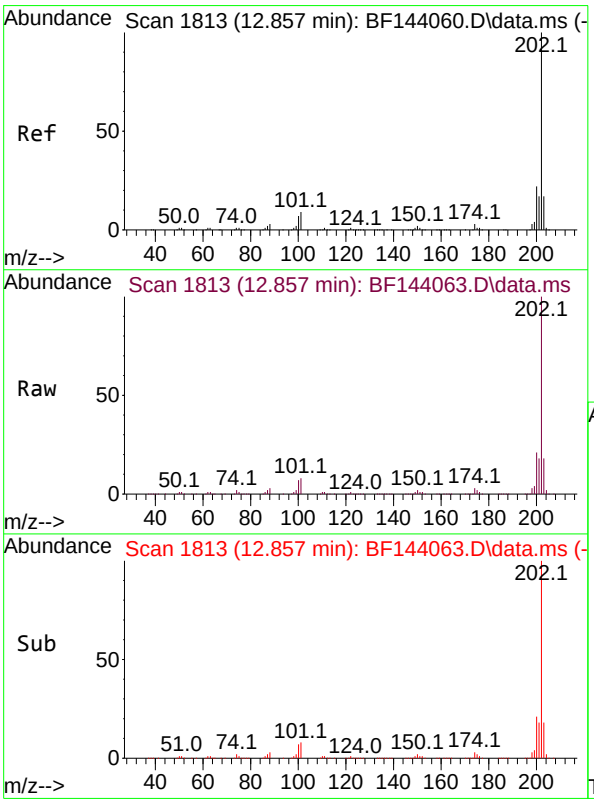
#77
Benzidine
Concen: 59.887 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 282392

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.6	17.4
183	11.2	8.5	12.7

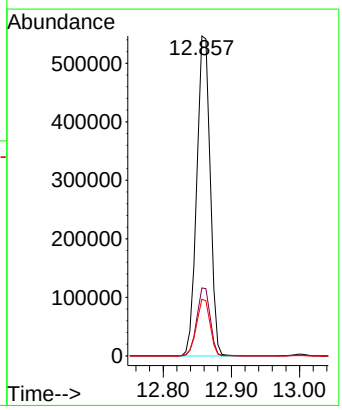


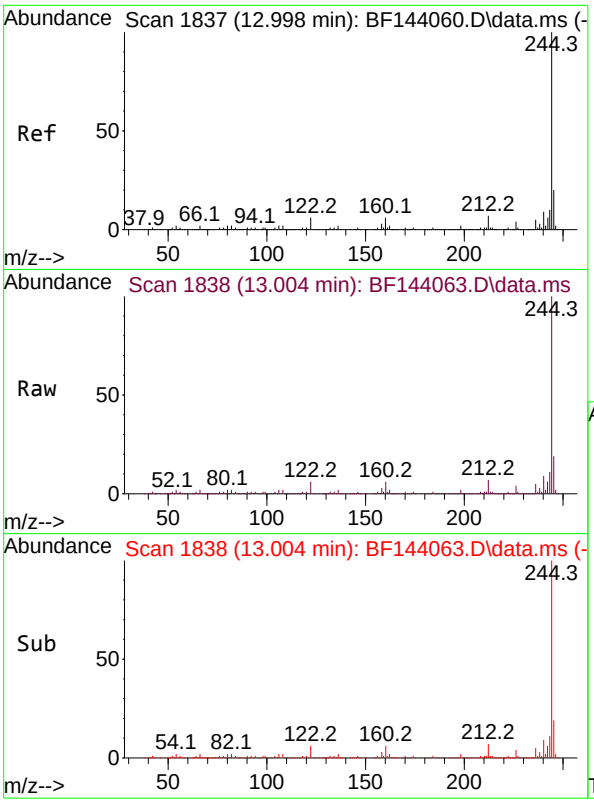


#78
Pyrene
Concen: 68.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:202 Resp: 749362

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.7	13.5	20.3



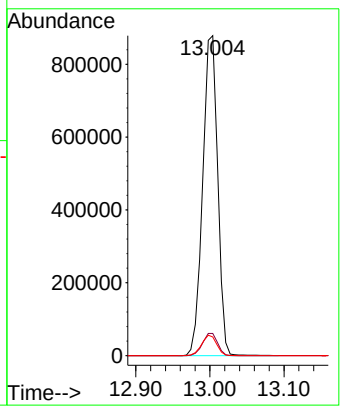


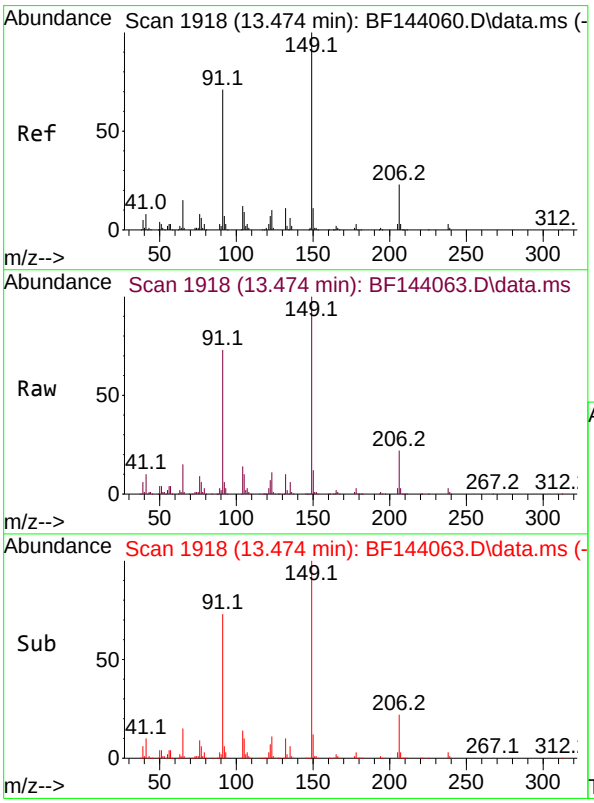
#79
Terphenyl-d14
Concen: 142.390 ng
RT: 13.004 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1234056

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

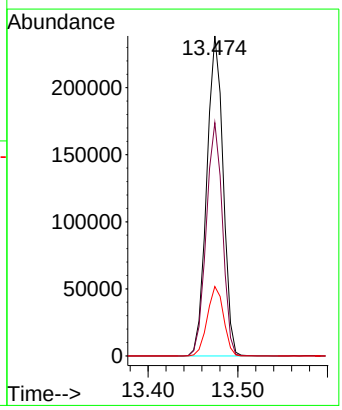


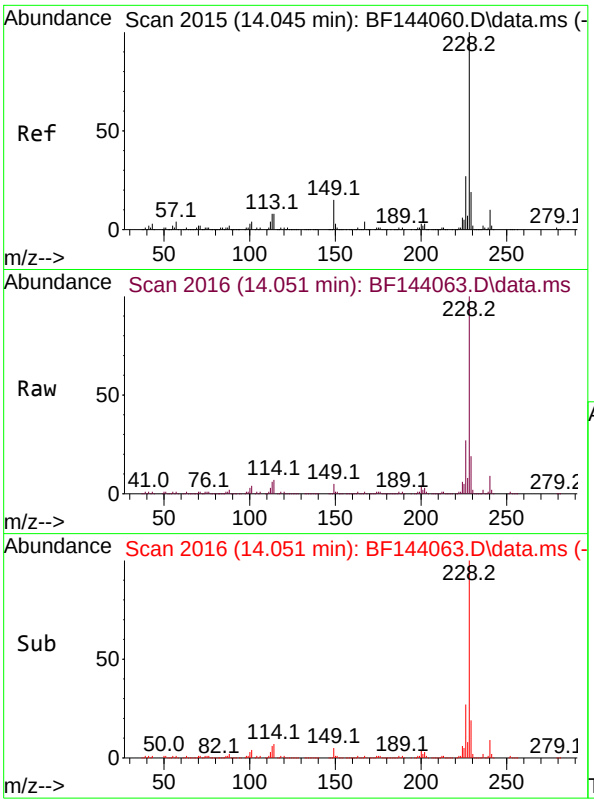


#80
Butylbenzylphthalate
Concen: 73.645 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 303486

Ion	Ratio	Lower	Upper
149	100		
91	72.9	56.6	84.8
206	21.7	18.3	27.5



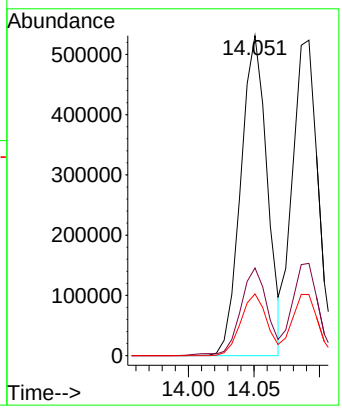


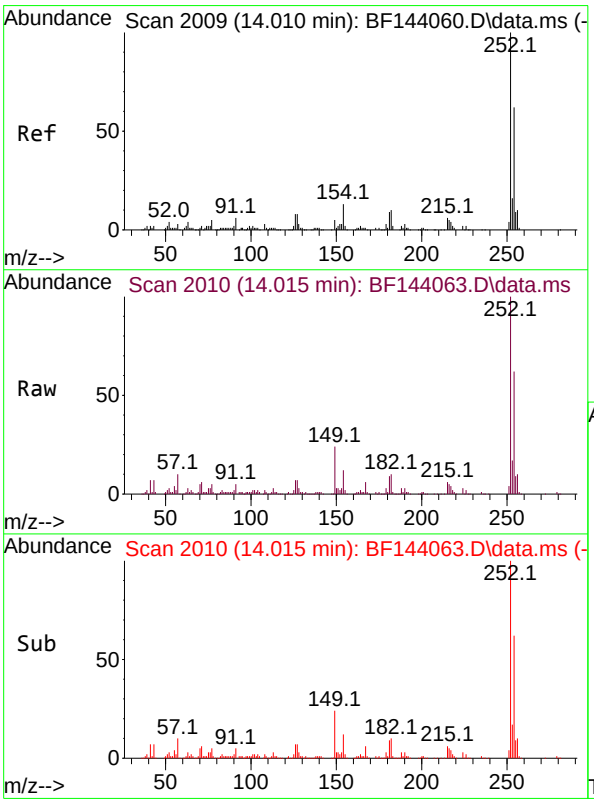
#81
Benzo(a)anthracene
Concen: 72.564 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 743007

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	19.3	15.3	22.9

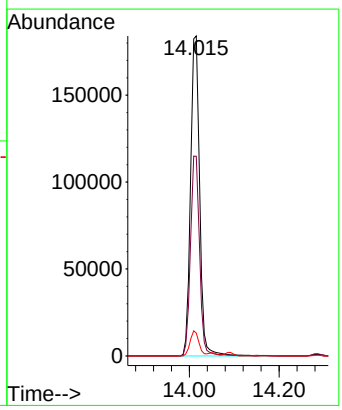


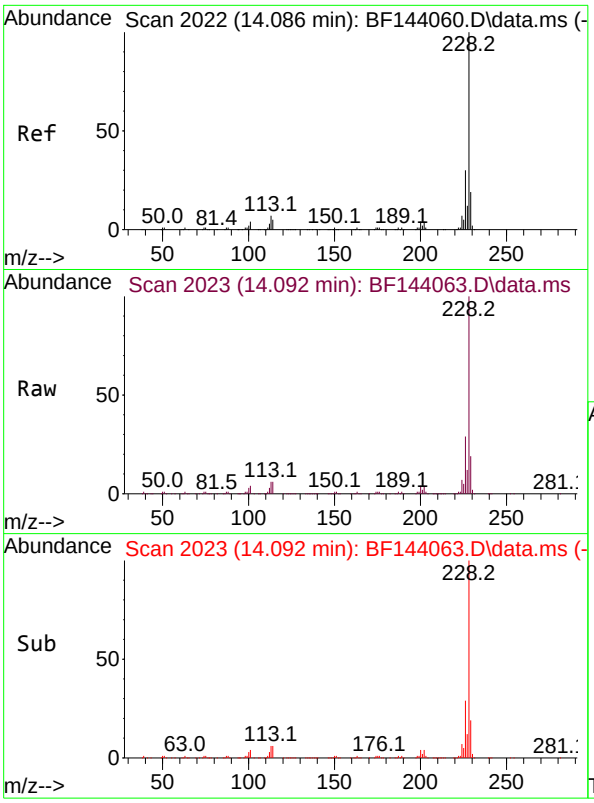


#82
3,3'-Dichlorobenzidine
Concen: 72.536 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:252 Resp: 258546

Ion	Ratio	Lower	Upper
252	100		
254	62.4	49.9	74.9
126	7.1	6.5	9.7



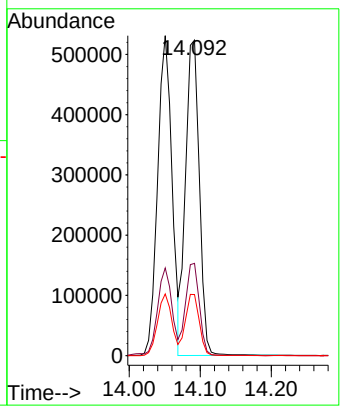


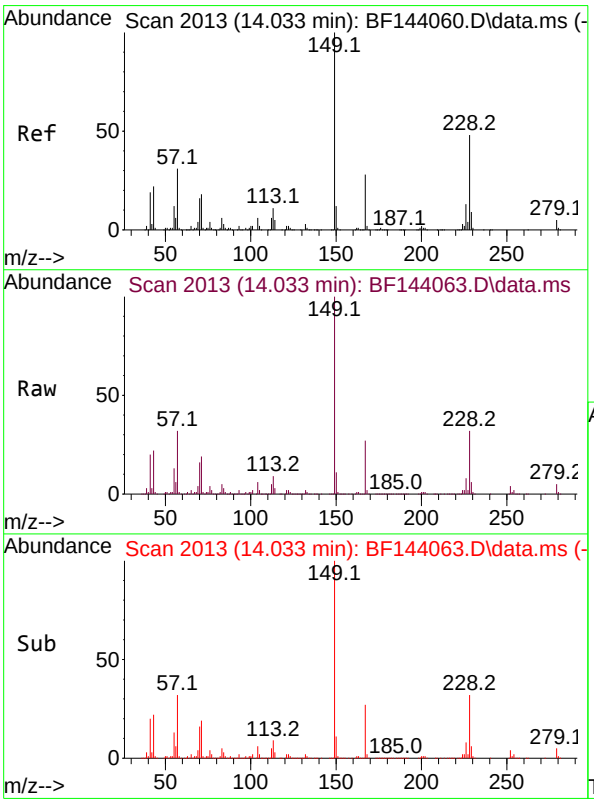
#83
Chrysene
Concen: 73.777 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 708889

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	19.4	15.6	23.4

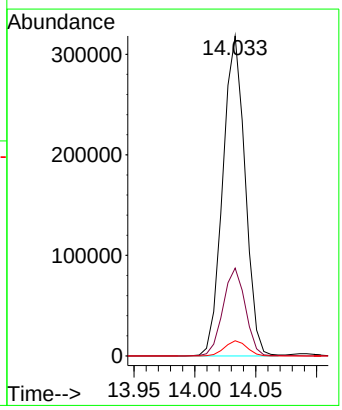


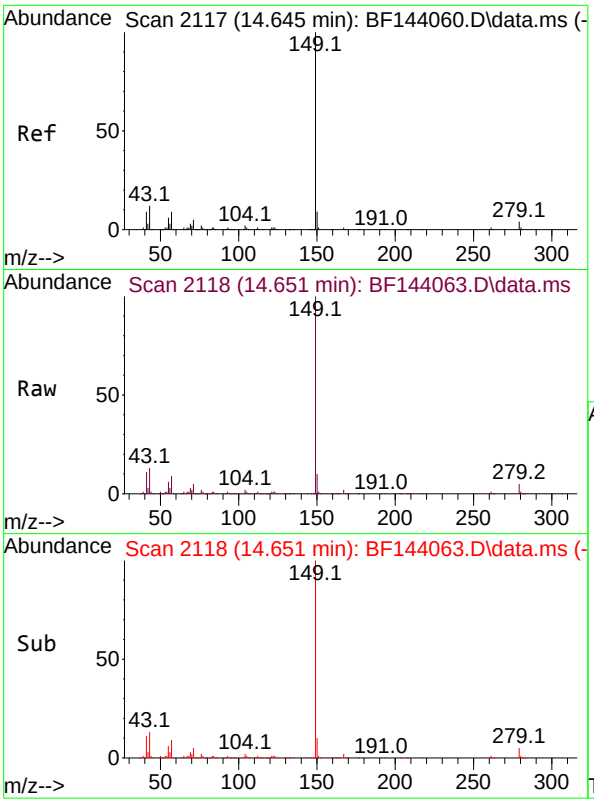


#84
Bis(2-ethylhexyl)phthalate
Concen: 72.226 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 406325

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.5	33.7
279	4.7	3.6	5.4



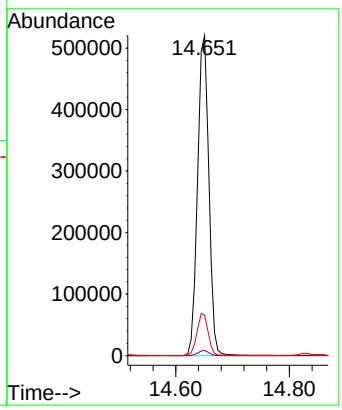


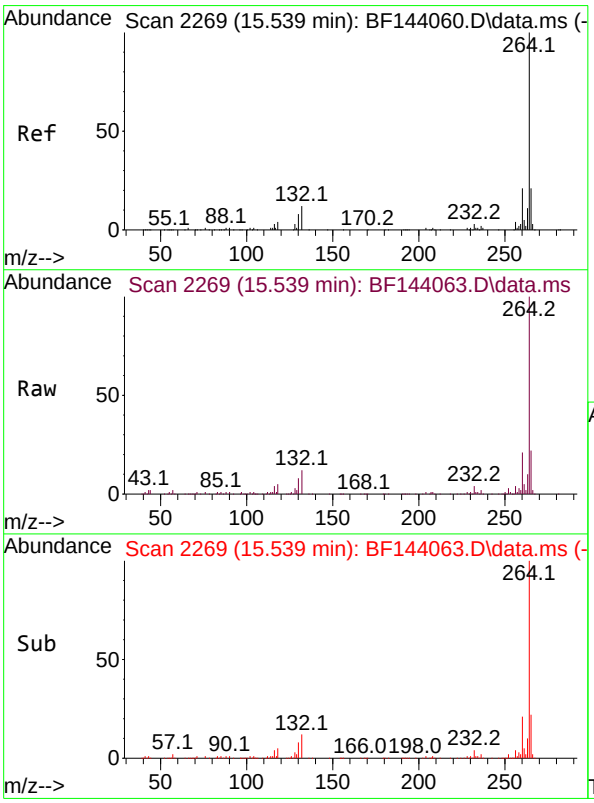
#85
Di-n-octyl phthalate
Concen: 73.894 ng
RT: 14.651 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 714909

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	13.2	9.3	13.9

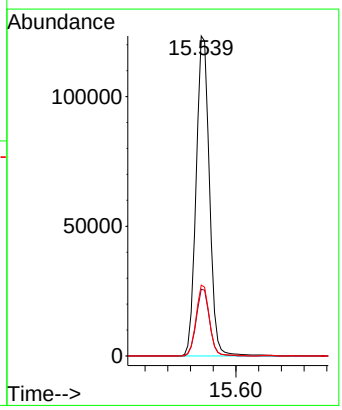


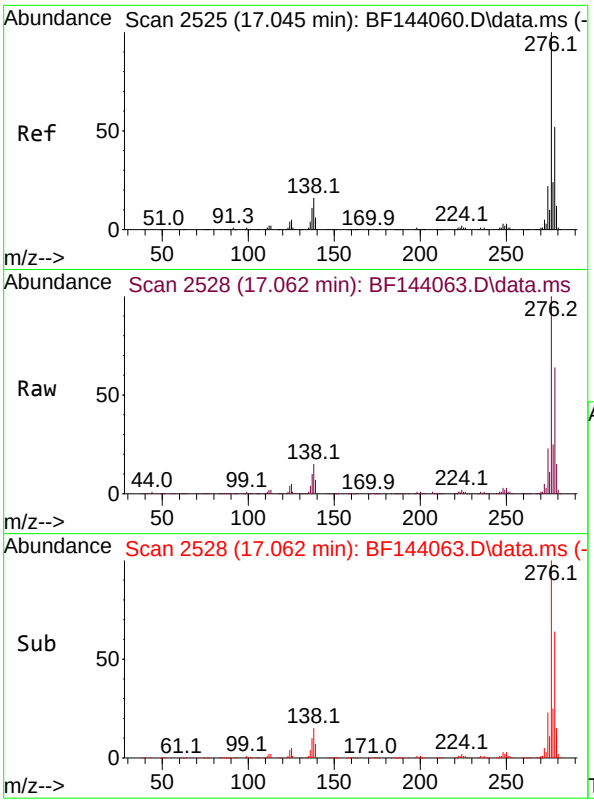


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:264 Resp: 200004

Ion	Ratio	Lower	Upper
264	100		
260	20.8	17.0	25.4
265	22.1	16.6	24.8



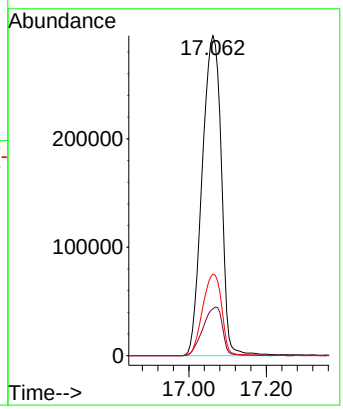


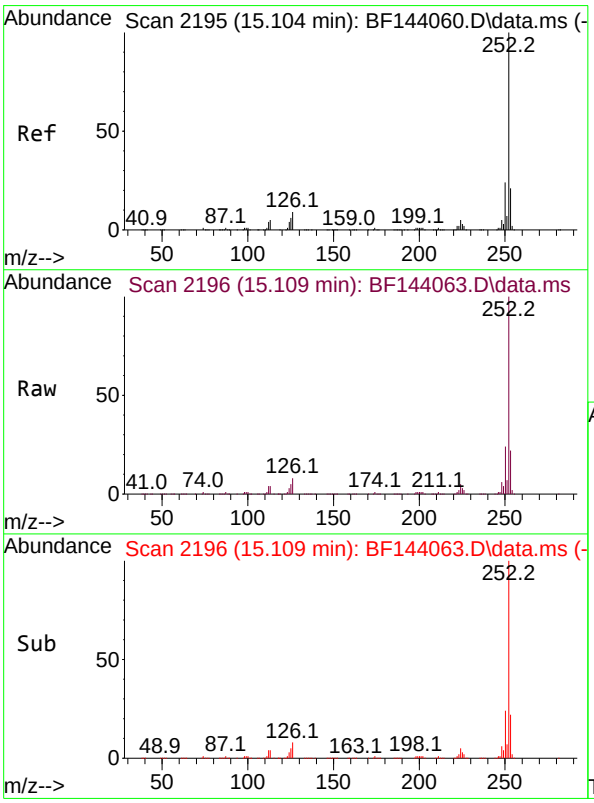
#87
Indeno(1,2,3-cd)pyrene
Concen: 73.561 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1010103

Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.0	19.6
277	25.4	19.4	29.0

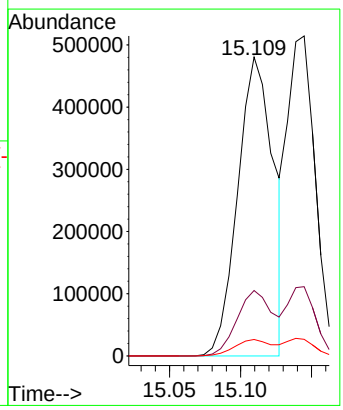


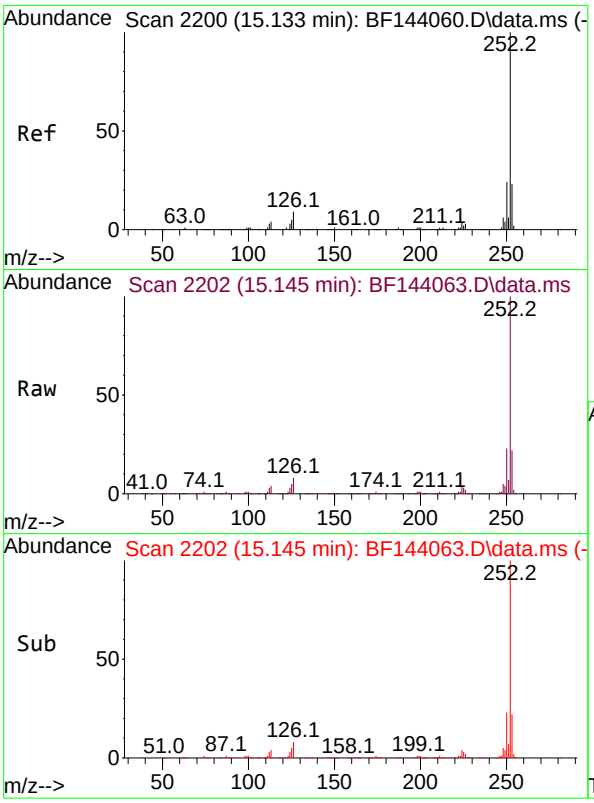


#88
Benzo(b)fluoranthene
Concen: 74.302 ng
RT: 15.109 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:252 Resp: 840121

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	5.5	5.0	7.6



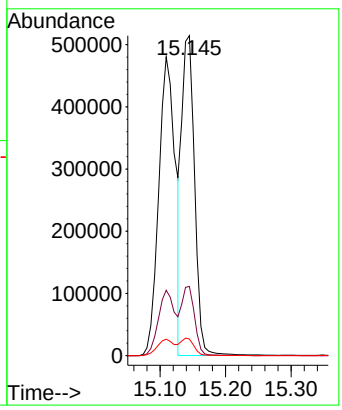


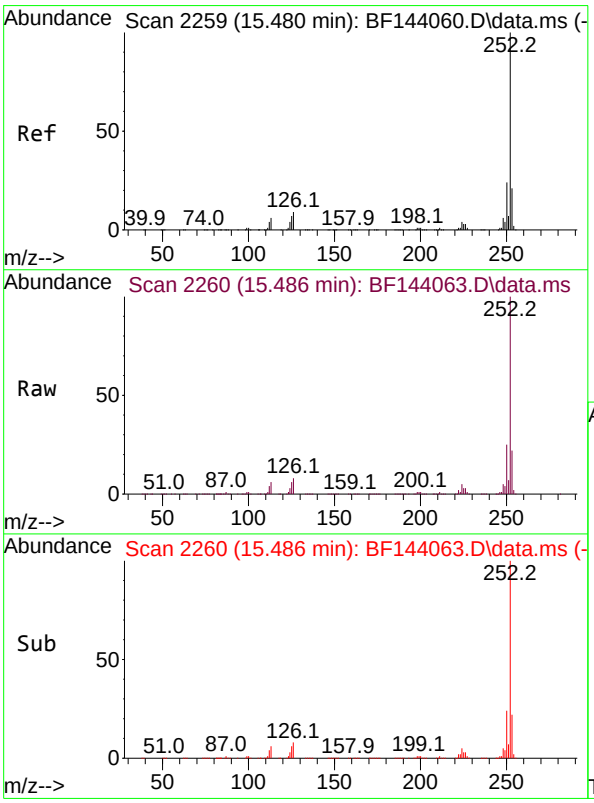
#89
Benzo(k)fluoranthene
Concen: 67.953 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 708890

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	5.2	4.9	7.3

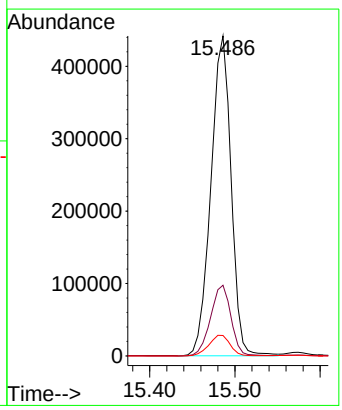


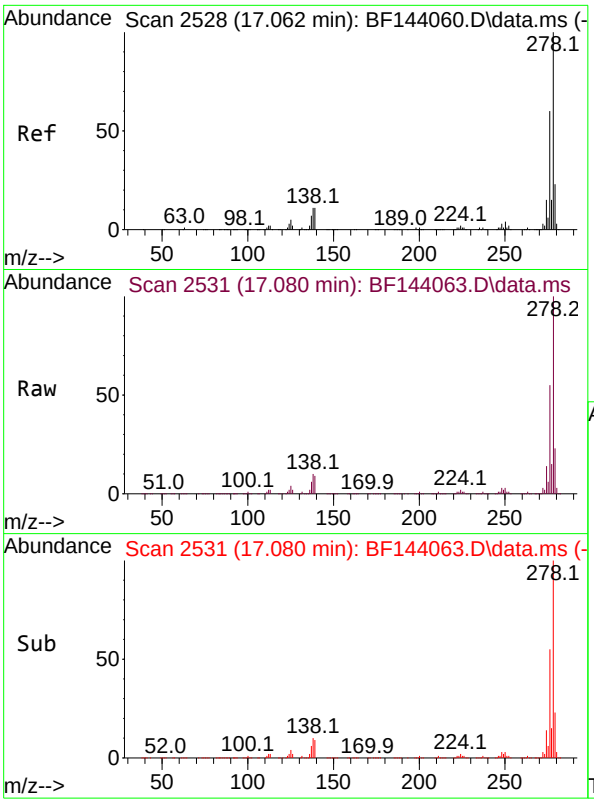


#90
Benzo(a)pyrene
Concen: 71.704 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:252 Resp: 727345

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	6.4	5.4	8.2



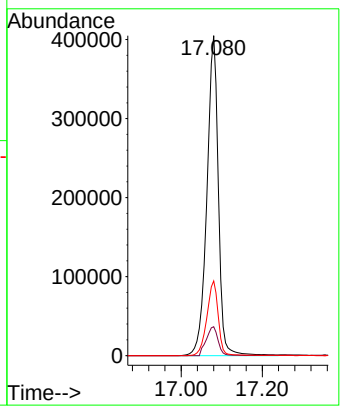


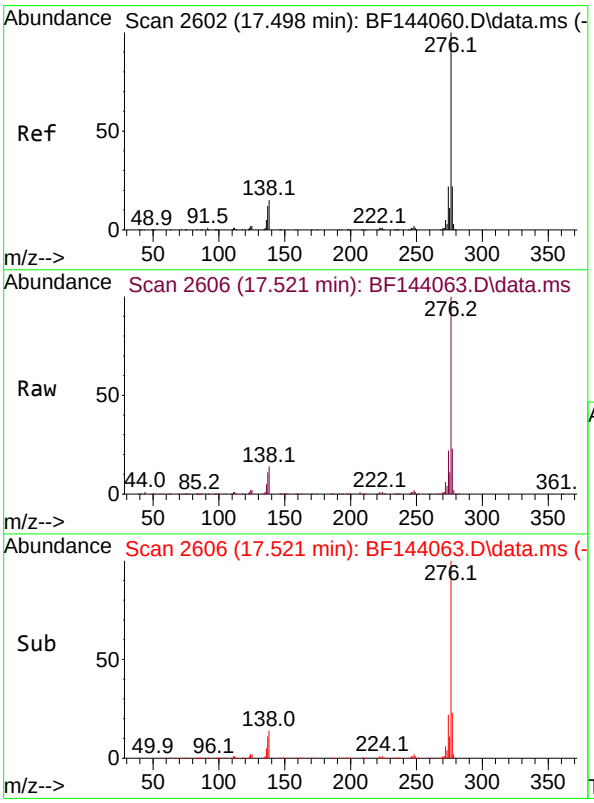
#91
Dibenzo(a,h)anthracene
Concen: 73.369 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 797474

Ion	Ratio	Lower	Upper
278	100		
139	9.0	8.5	12.7
279	23.3	18.6	28.0

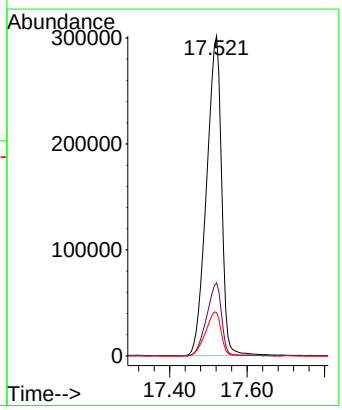




#92
Benzo(g,h,i)perylene
Concen: 74.269 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.024 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:276 Resp: 811620

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	13.6	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144064.D
Acq On : 24 Oct 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 24 17:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	40936	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	144864	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	76683	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	132038	20.000	ng		0.00
76) Chrysene-d12	14.062	240	106050	20.000	ng		0.00
86) Perylene-d12	15.539	264	140075	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	324791	125.526	ng		0.00
7) Phenol-d6	6.510	99	346692	121.325	ng		0.00
23) Nitrobenzene-d5	7.445	82	341936	129.319	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	132798	135.953	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	677674	124.361	ng		0.00
79) Terphenyl-d14	12.998	244	789728	130.186	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	70224	62.807	ng		98
3) Pyridine	3.398	79	196981	65.807	ng		97
4) n-Nitrosodimethylamine	3.351	42	124870	67.890	ng		95
6) Aniline	6.545	93	251710	61.571	ng		99
8) 2-Chlorophenol	6.663	128	154530	60.645	ng		97
9) Benzaldehyde	6.434	77	172641	77.814	ng		98
10) Phenol	6.522	94	211848	60.092	ng		92
11) bis(2-Chloroethyl)ether	6.616	93	157748	61.925	ng		100
12) 1,3-Dichlorobenzene	6.822	146	192311	61.183	ng		96
13) 1,4-Dichlorobenzene	6.898	146	193362	62.421	ng		99
14) 1,2-Dichlorobenzene	7.051	146	186696	62.289	ng		99
15) Benzyl Alcohol	7.022	79	150113	64.606	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	284081	59.335	ng		98
17) 2-Methylphenol	7.128	107	120515	61.494	ng		97
18) Hexachloroethane	7.392	117	73031	65.943	ng		92
19) n-Nitroso-di-n-propyla...	7.292	70	115863	62.701	ng		99
20) 3+4-Methylphenols	7.286	107	142326	61.433	ng	#	85
22) Acetophenone	7.292	105	198031	63.255	ng		99
24) Nitrobenzene	7.463	77	181356	64.837	ng		96
25) Isophorone	7.704	82	298273	64.523	ng		99
26) 2-Nitrophenol	7.781	139	84384	63.417	ng		92
27) 2,4-Dimethylphenol	7.810	122	127412	64.435	ng		97
28) bis(2-Chloroethoxy)met...	7.910	93	180863	62.737	ng		98
29) 2,4-Dichlorophenol	8.022	162	142524	61.979	ng		97
30) 1,2,4-Trichlorobenzene	8.104	180	151390	63.994	ng		97
31) Naphthalene	8.186	128	427166	62.477	ng		99
32) Benzoic acid	7.928	122	73142	58.314	ng		85
33) 4-Chloroaniline	8.233	127	149397	62.767	ng		98
34) Hexachlorobutadiene	8.298	225	128615	66.488	ng		98
35) Caprolactam	8.604	113	37413	64.879	ng		89
36) 4-Chloro-3-methylphenol	8.710	107	128805	63.473	ng		94
37) 2-Methylnaphthalene	8.875	142	276923	61.432	ng		96
38) 1-Methylnaphthalene	8.975	142	265532	62.174	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	164703	62.495	ng		99
41) Hexachlorocyclopentadiene	9.027	237	62879	77.248	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	111523	65.103	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144064.D
Acq On : 24 Oct 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 24 17:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

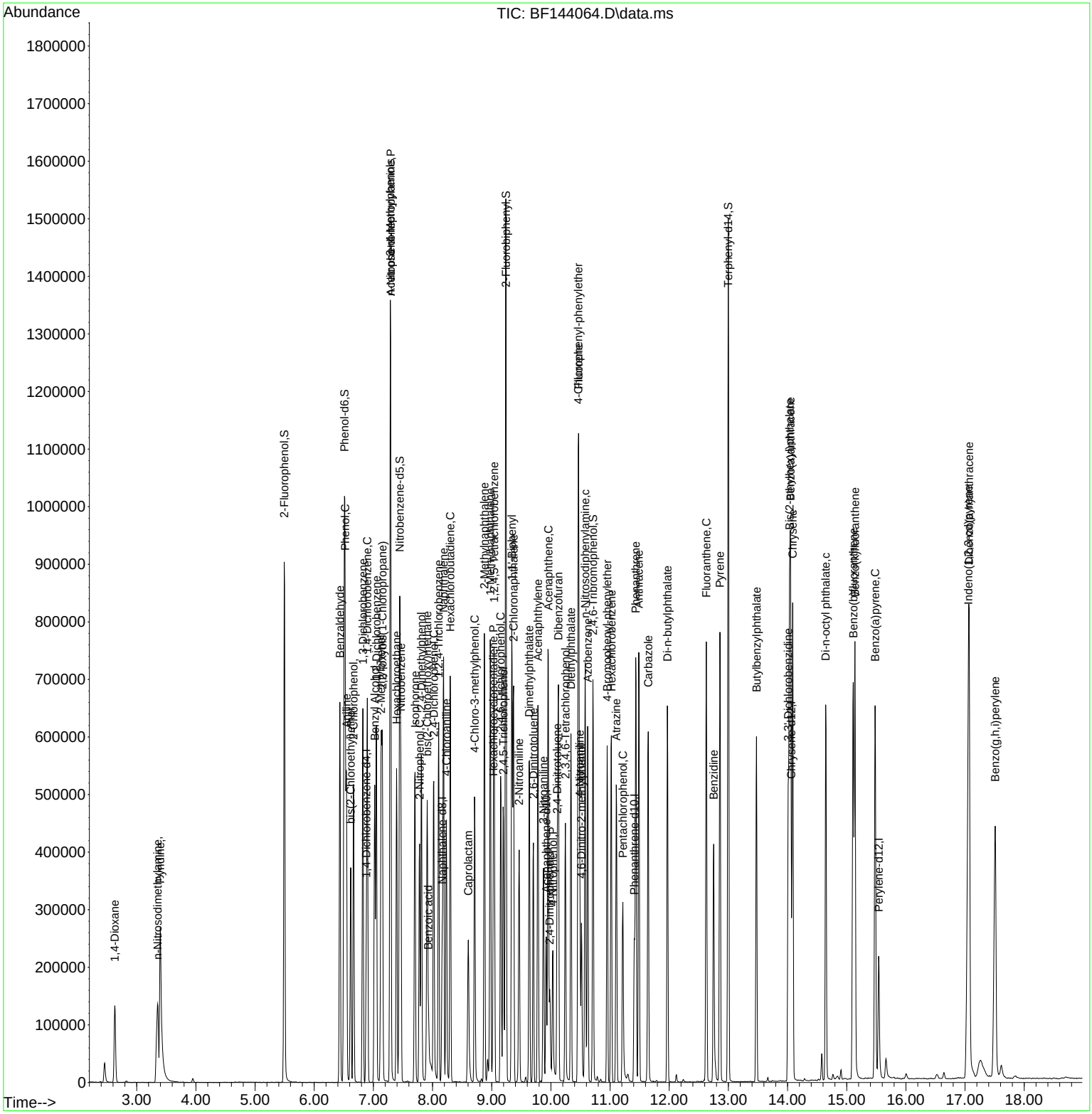
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	117536	65.377	ng		96
46) 1,1'-Biphenyl	9.339	154	338254	61.621	ng		100
47) 2-Chloronaphthalene	9.369	162	287490	62.514	ng		99
48) 2-Nitroaniline	9.463	65	91867	67.272	ng		97
49) Acenaphthylene	9.780	152	383800	61.895	ng		99
50) Dimethylphthalate	9.633	163	319101	63.485	ng		100
51) 2,6-Dinitrotoluene	9.704	165	66198	66.619	ng		97
52) Acenaphthene	9.957	154	258125	62.331	ng		98
53) 3-Nitroaniline	9.874	138	69206	62.642	ng		93
54) 2,4-Dinitrophenol	9.980	184	31982	59.508	ng		88
55) Dibenzofuran	10.127	168	353228	61.440	ng		99
56) 4-Nitrophenol	10.033	139	46485	62.136	ng		95
57) 2,4-Dinitrotoluene	10.104	165	89630	66.833	ng		94
58) Fluorene	10.469	166	267202	60.997	ng		96
59) 2,3,4,6-Tetrachlorophenol	10.245	232	84250	66.502	ng	#	96
60) Diethylphthalate	10.339	149	303176	64.138	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	155019	62.927	ng		99
62) 4-Nitroaniline	10.486	138	68899	65.819	ng		90
63) Azobenzene	10.621	77	288180	64.412	ng		96
65) 4,6-Dinitro-2-methylph...	10.516	198	52340	61.785	ng		91
66) n-Nitrosodiphenylamine	10.580	169	261183	61.911	ng		98
67) 4-Bromophenyl-phenylether	10.951	248	106864	64.641	ng		97
68) Hexachlorobenzene	11.021	284	129804	64.021	ng		98
69) Atrazine	11.104	200	93028	67.200	ng		96
70) Pentachlorophenol	11.216	266	66439	68.842	ng		98
71) Phenanthrene	11.433	178	413305	63.013	ng		98
72) Anthracene	11.486	178	421890	62.266	ng		99
73) Carbazole	11.645	167	359155	62.276	ng		97
74) Di-n-butylphthalate	11.968	149	449708	63.601	ng		99
75) Fluoranthene	12.627	202	462087	63.767	ng		99
77) Benzidine	12.751	184	250383	75.863	ng		99
78) Pyrene	12.857	202	483140	63.369	ng		99
80) Butylbenzylphthalate	13.474	149	189412	65.668	ng		99
81) Benzo(a)anthracene	14.051	228	474589	66.219	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	168368	67.487	ng		99
83) Chrysene	14.086	228	434514	64.608	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	258560	65.663	ng		99
85) Di-n-octyl phthalate	14.645	149	439771	64.942	ng		98
87) Indeno(1,2,3-cd)pyrene	17.056	276	630927	65.606	ng		98
88) Benzo(b)fluoranthene	15.109	252	483612	61.071	ng		98
89) Benzo(k)fluoranthene	15.139	252	486238	66.551	ng		99
90) Benzo(a)pyrene	15.480	252	456250	64.222	ng		99
91) Dibenzo(a,h)anthracene	17.068	278	502376	65.994	ng		99
92) Benzo(g,h,i)perylene	17.509	276	500846	65.439	ng		98

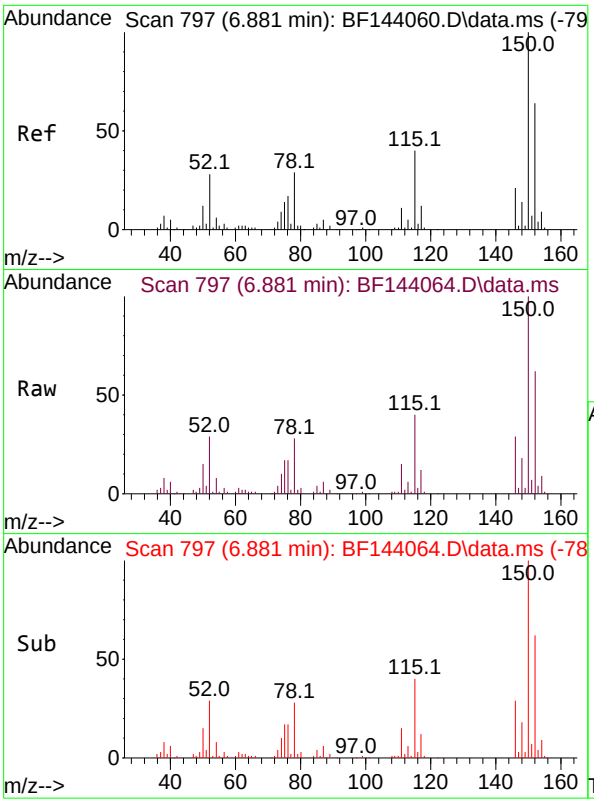
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144064.D
Acq On : 24 Oct 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 24 17:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration



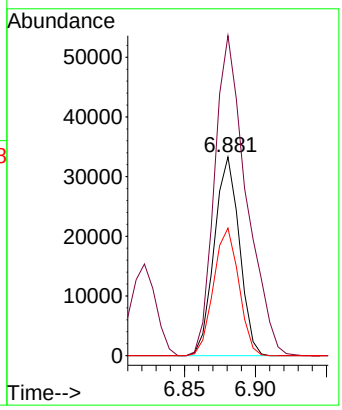


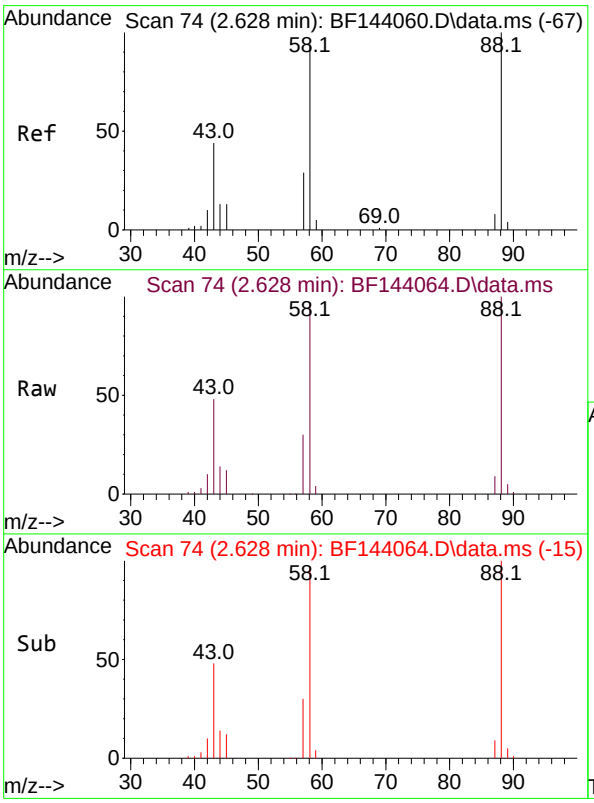
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 40936

Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.4	186.6
115	64.2	49.4	74.0

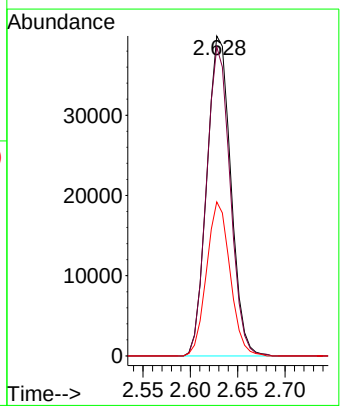


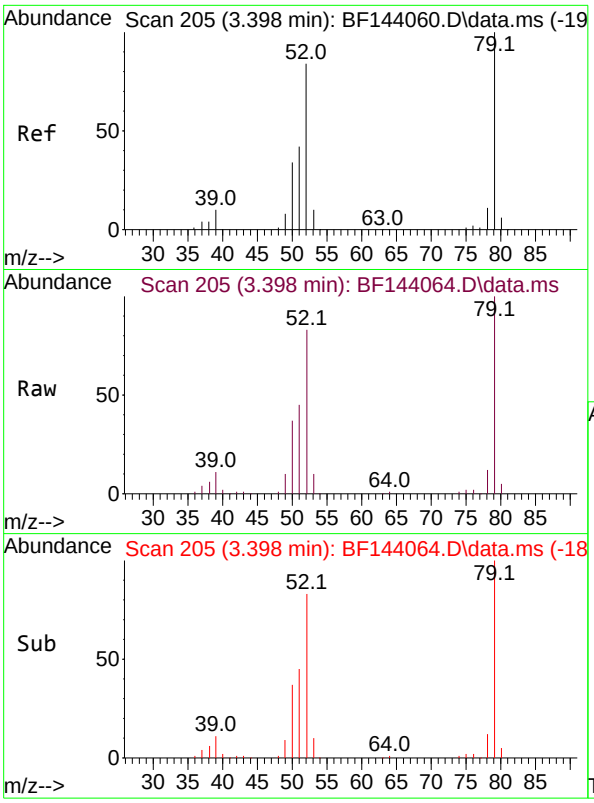


#2
1,4-Dioxane
Concen: 62.807 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 88 Resp: 70224

Ion	Ratio	Lower	Upper
88	100		
58	95.3	76.5	114.7
43	47.2	35.3	52.9



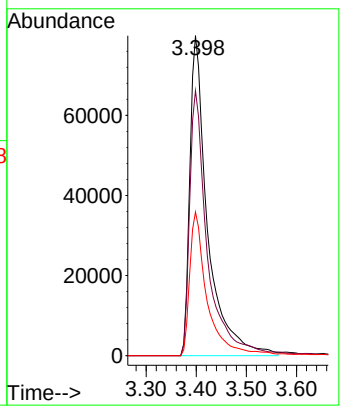


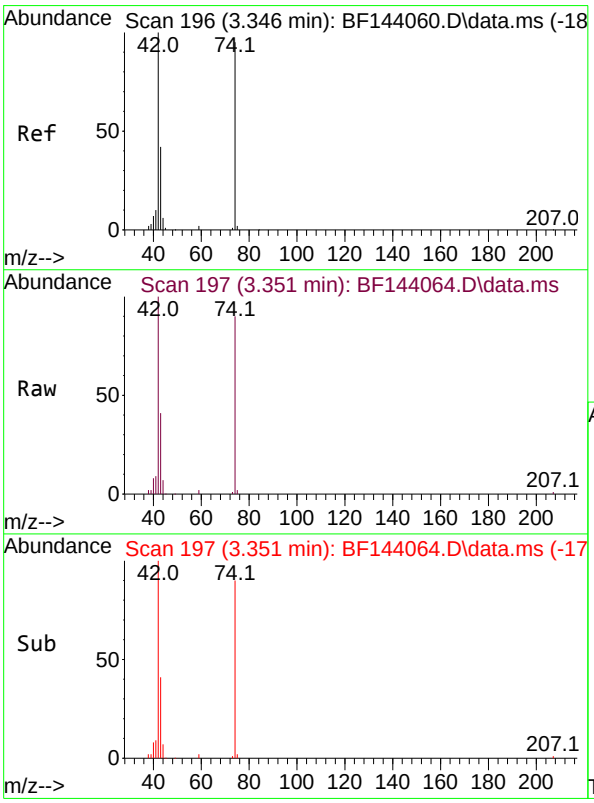
#3
Pyridine
Concen: 65.807 ng
RT: 3.398 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 196981

Ion	Ratio	Lower	Upper
79	100		
52	82.8	67.5	101.3
51	44.9	33.6	50.4

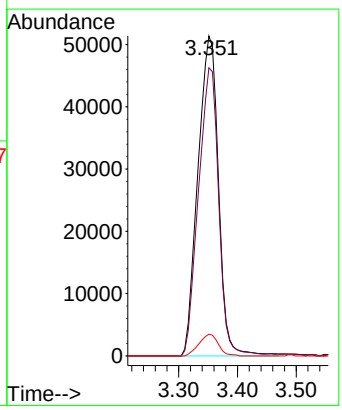


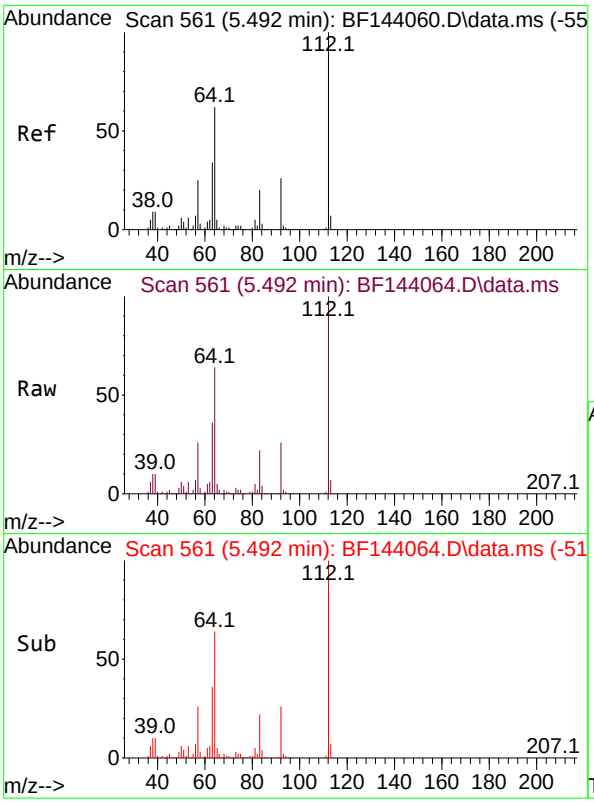


#4
n-Nitrosodimethylamine
Concen: 67.890 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 42 Resp: 124870

Ion	Ratio	Lower	Upper
42	100		
74	90.0	76.4	114.6
44	6.8	5.2	7.8



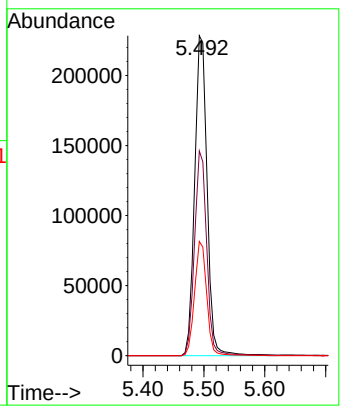


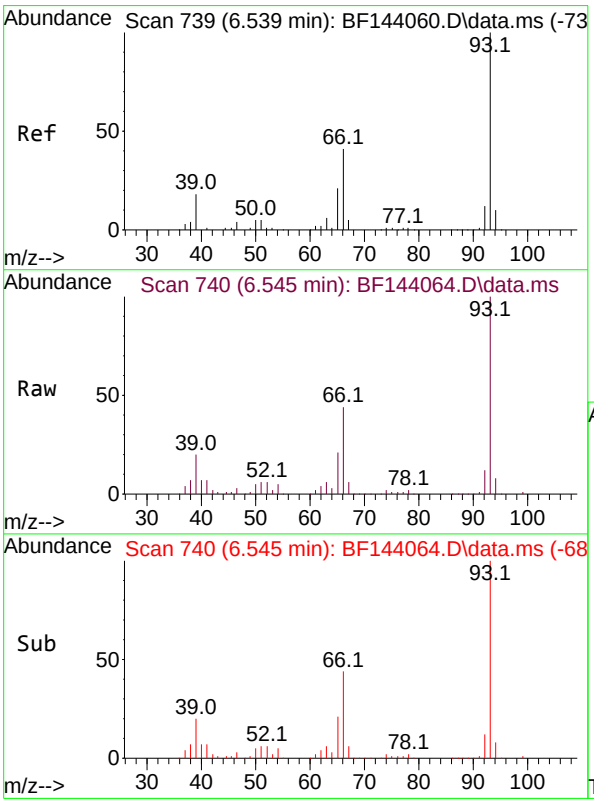
#5
2-Fluorophenol
Concen: 125.526 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 324791

Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.8	74.8
63	35.7	27.4	41.2

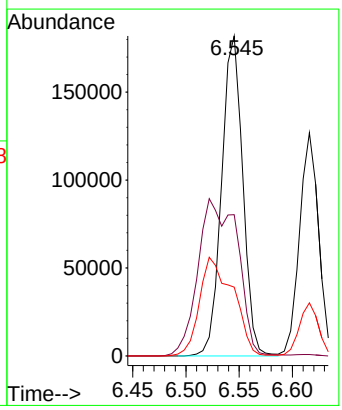


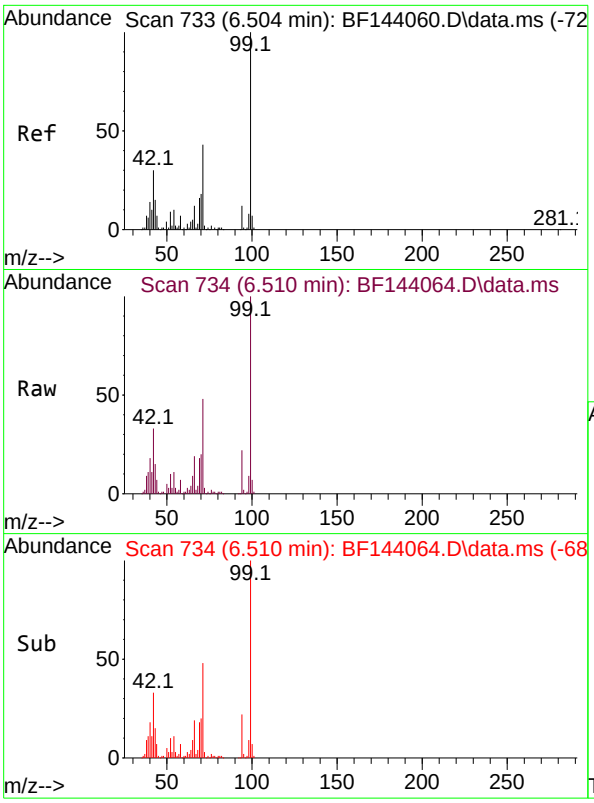


#6
Aniline
Concen: 61.571 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 93 Resp: 251710

Ion	Ratio	Lower	Upper
93	100		
66	44.1	35.7	53.5
65	21.5	17.0	25.6



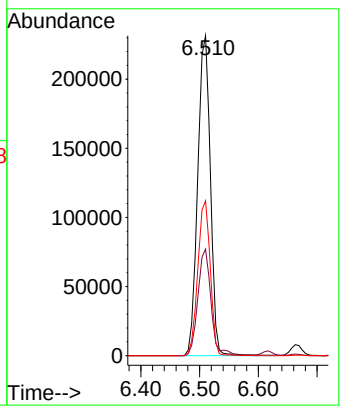


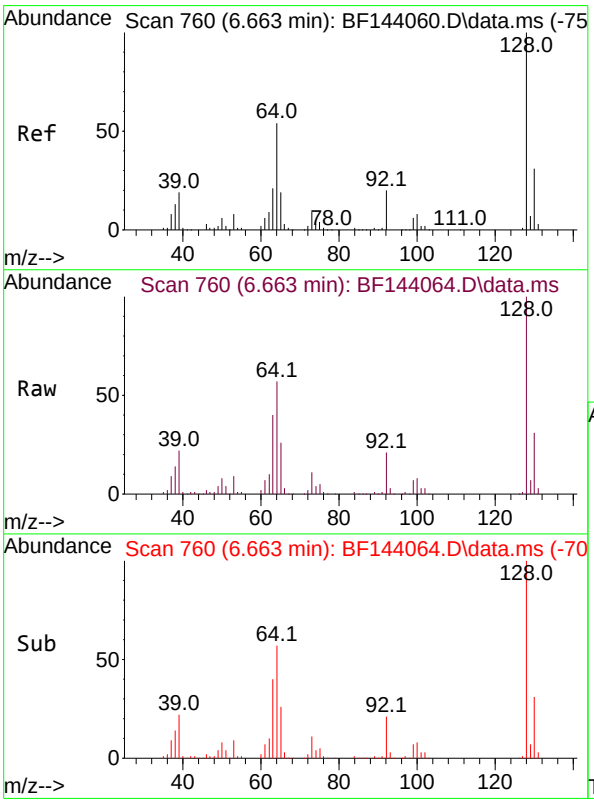
#7
Phenol-d6
Concen: 121.325 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 346692

Ion	Ratio	Lower	Upper
99	100		
42	33.3	23.9	35.9
71	48.4	34.4	51.6

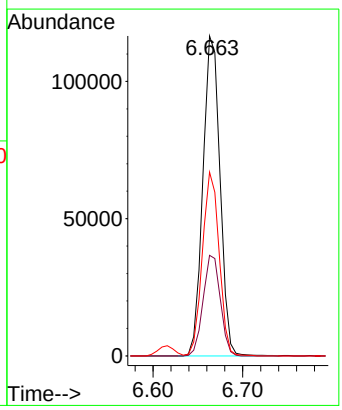


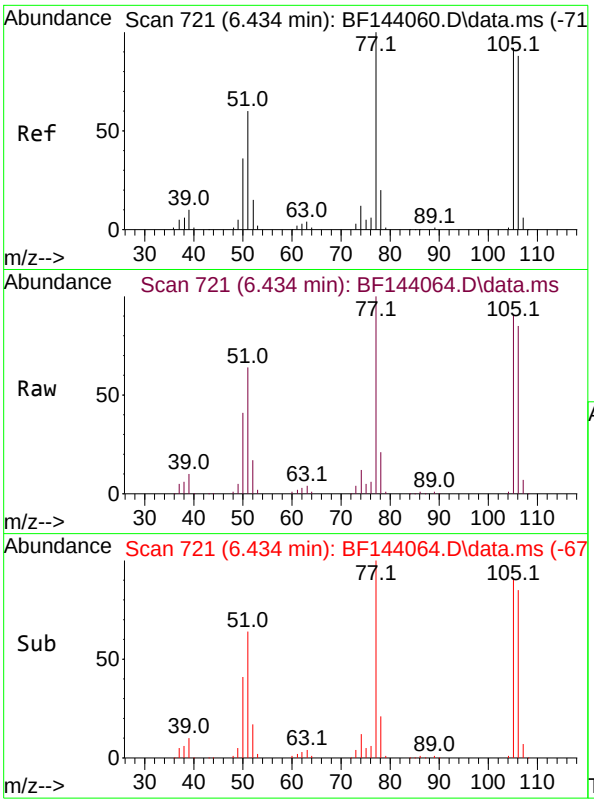


#8
2-Chlorophenol
Concen: 60.645 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:128 Resp: 154530

Ion	Ratio	Lower	Upper
128	100		
130	31.4	10.7	50.7
64	57.4	34.7	74.7



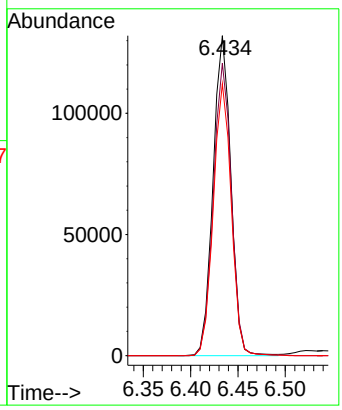


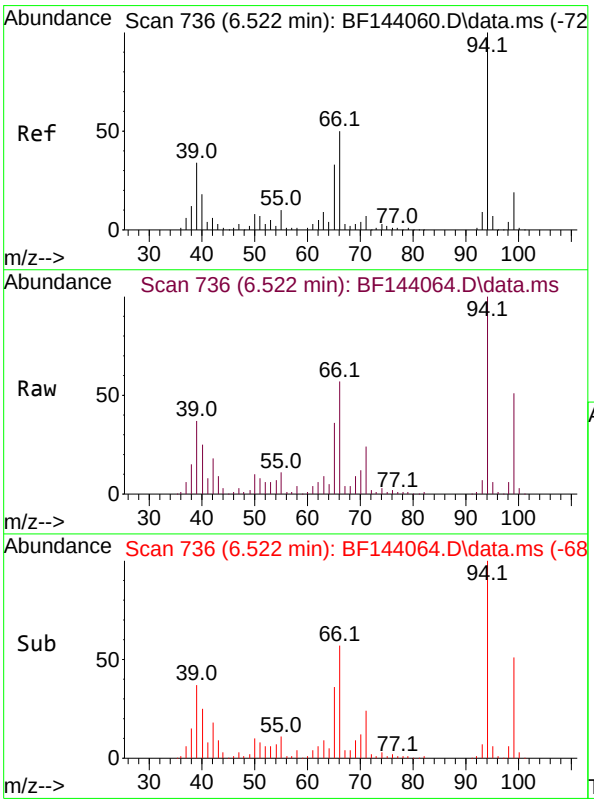
#9
Benzaldehyde
Concen: 77.814 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 172641

Ion	Ratio	Lower	Upper
77	100		
105	91.4	72.2	112.2
106	84.9	67.9	107.9

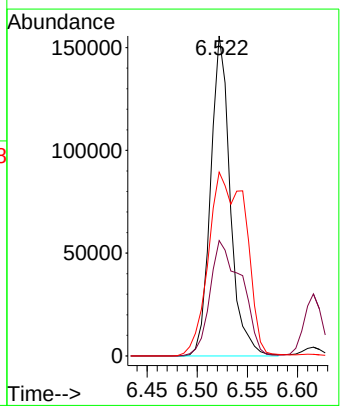


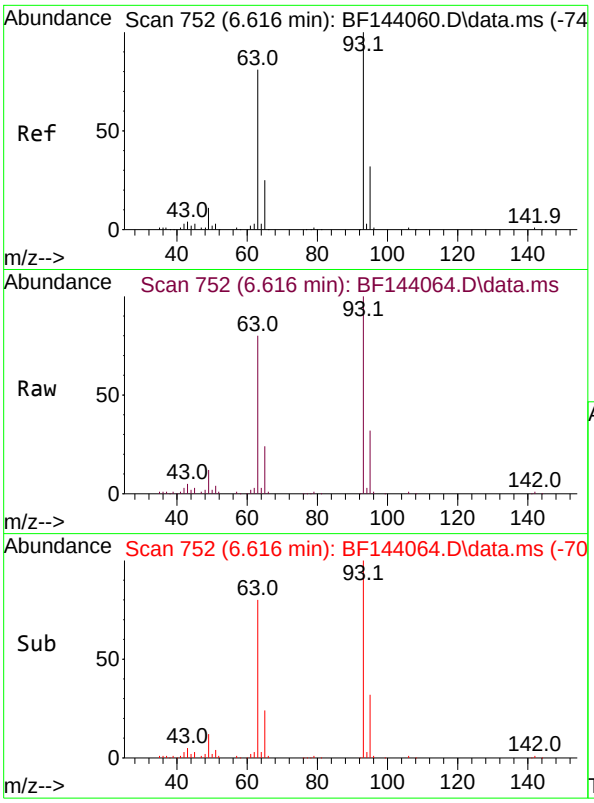


#10
Phenol
Concen: 60.092 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 94 Resp: 211848

Ion	Ratio	Lower	Upper
94	100		
65	36.0	13.1	53.1
66	57.4	30.6	70.6



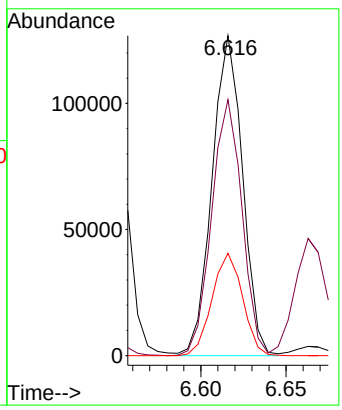


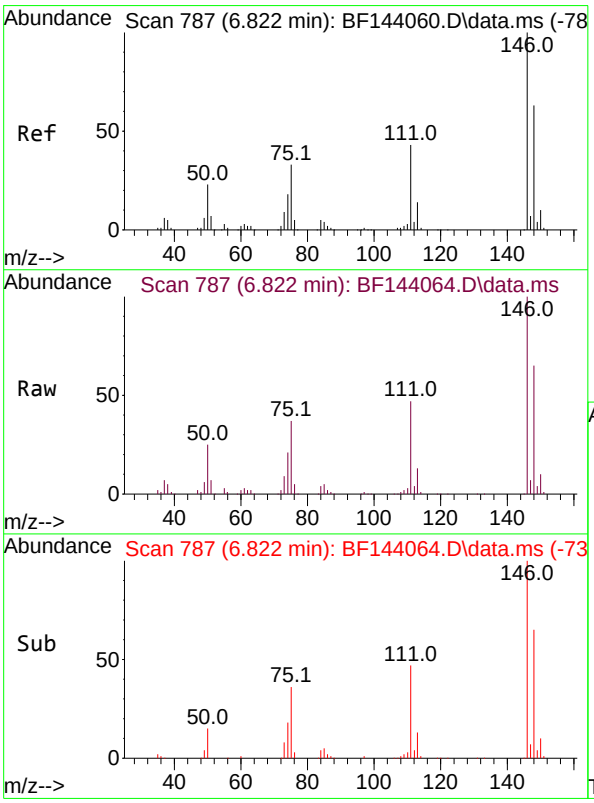
#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 157748

Ion	Ratio	Lower	Upper
93	100		
63	80.0	60.2	100.2
95	32.0	12.4	52.4

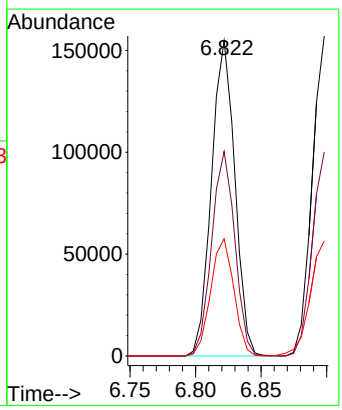


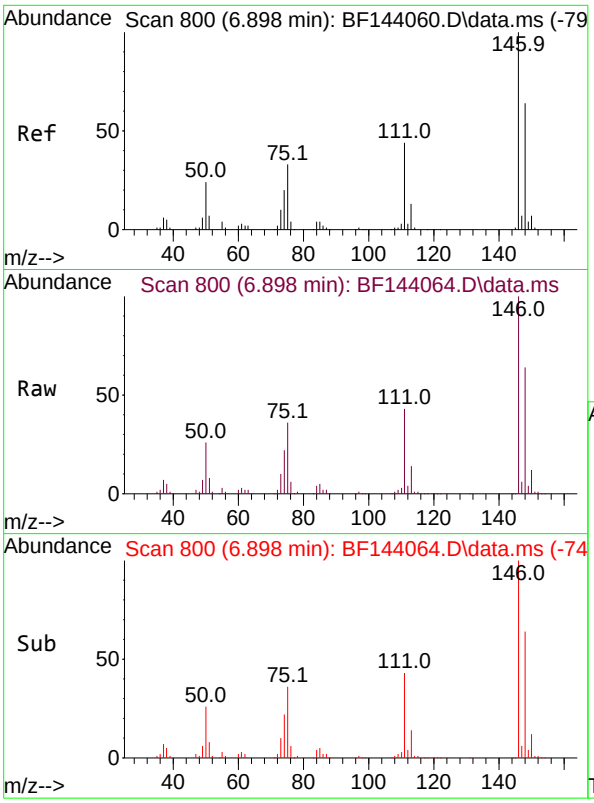


#12
1,3-Dichlorobenzene
Concen: 61.183 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:146 Resp: 192311

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.6	75.8
75	37.1	26.6	40.0



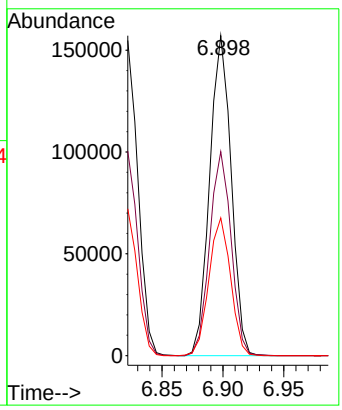


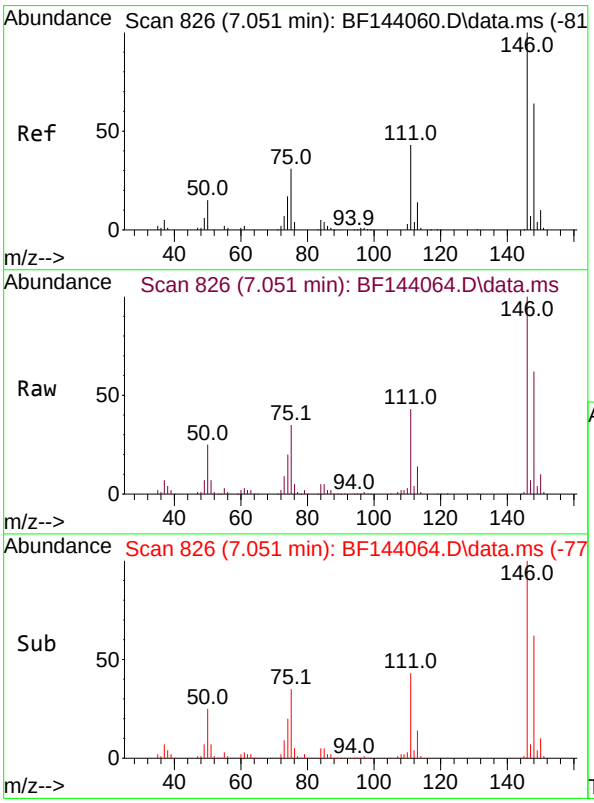
#13
1,4-Dichlorobenzene
Concen: 62.421 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 193362

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	43.0	35.0	52.6

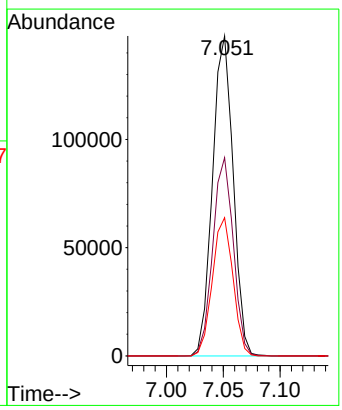


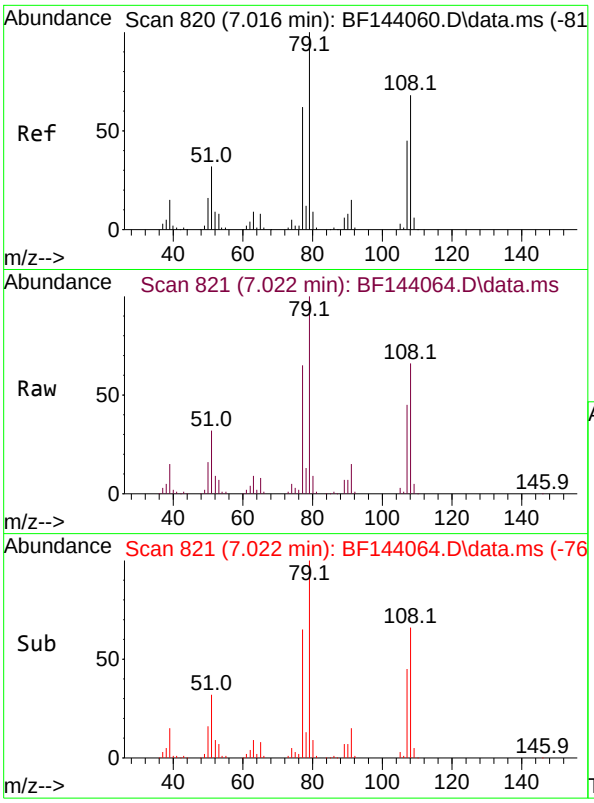


#14
1,2-Dichlorobenzene
Concen: 62.289 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:146 Resp: 186696

Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.8	76.2
111	43.2	34.7	52.1



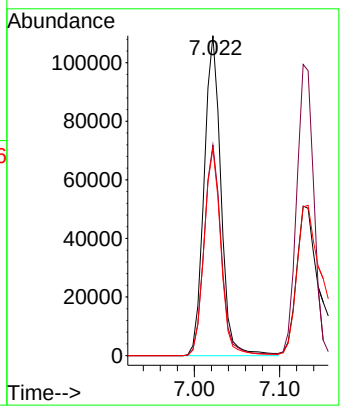


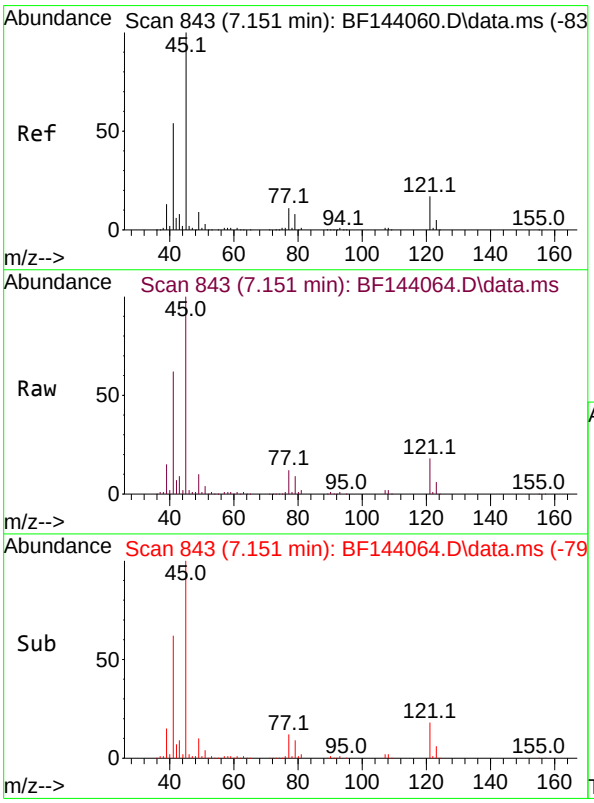
#15
Benzyl Alcohol
Concen: 64.606 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 150113

Ion	Ratio	Lower	Upper
79	100		
108	65.8	54.8	82.2
77	64.7	49.4	74.0

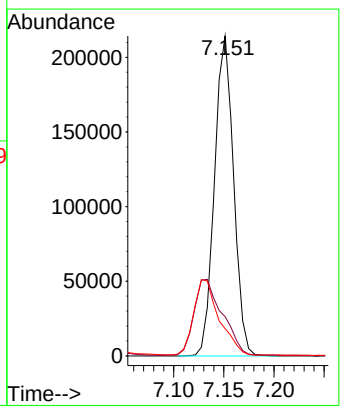


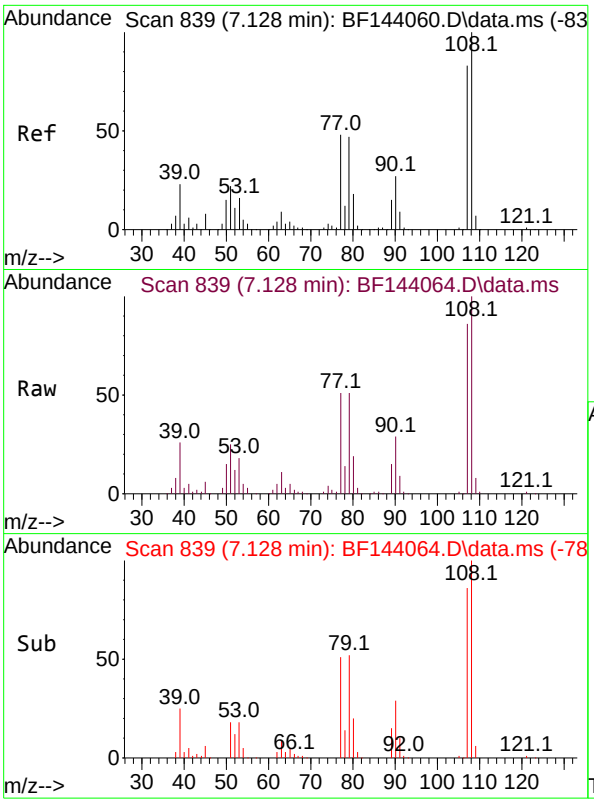


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.335 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 45 Resp: 284081

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	30.9
79	8.5	0.0	28.2



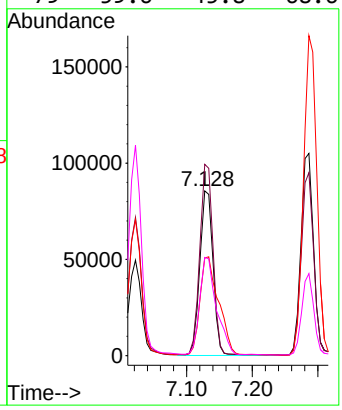


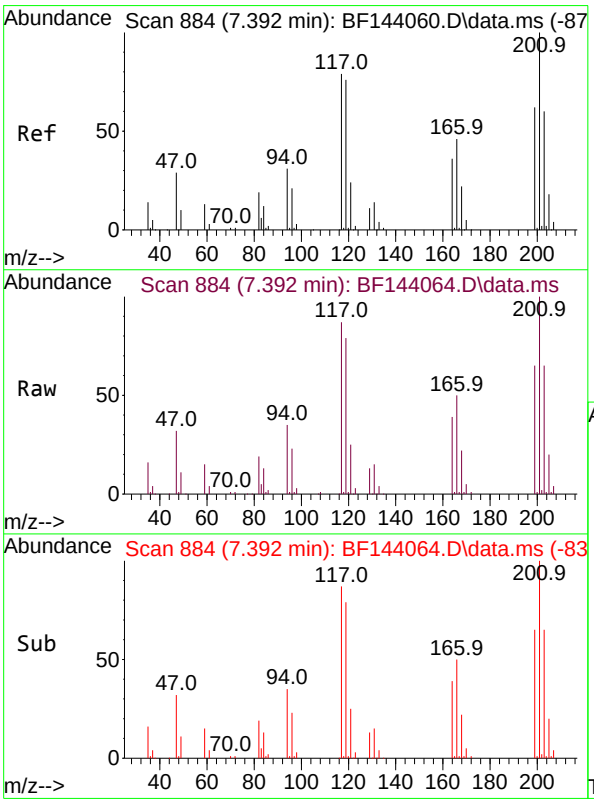
#17
2-Methylphenol
Concen: 61.494 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 120515

Ion	Ratio	Lower	Upper
107	100		
108	116.1	96.4	144.6
77	59.3	46.8	70.2
79	59.6	45.8	68.6

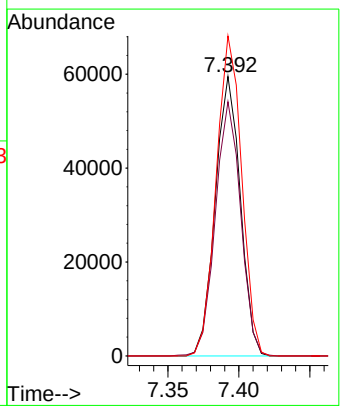


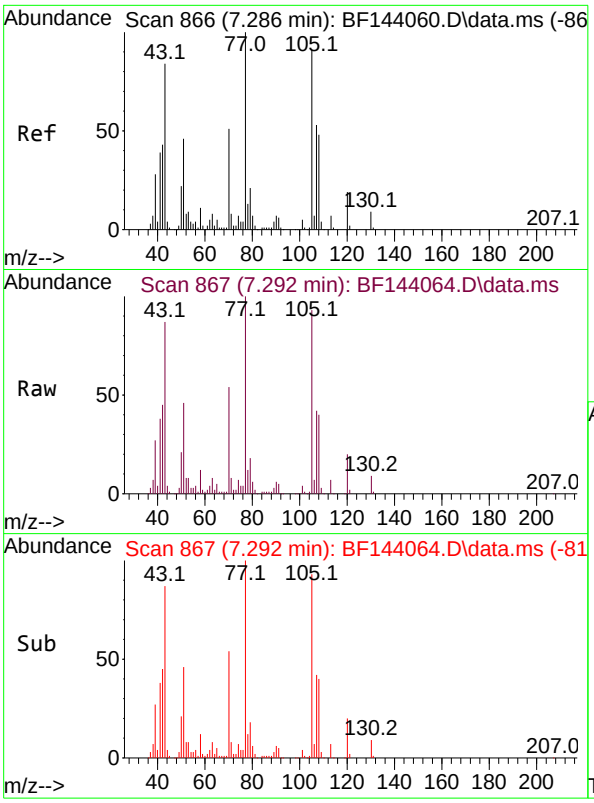


#18
Hexachloroethane
Concen: 65.943 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:117 Resp: 73031

Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.6	115.0
201	114.5	100.9	151.3



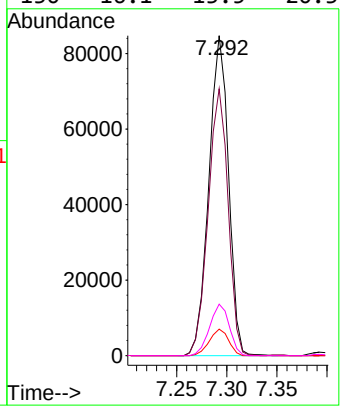


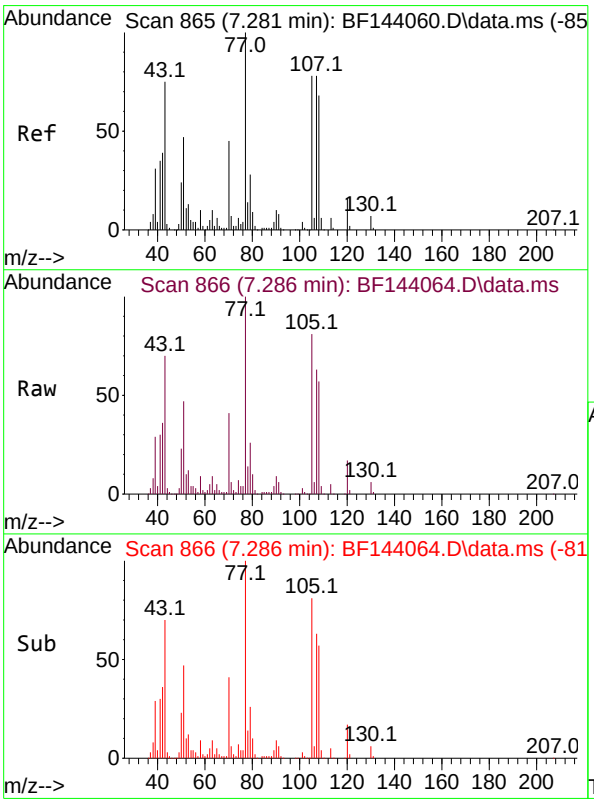
#19
n-Nitroso-di-n-propylamine
Concen: 62.701 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 115863

Ion	Ratio	Lower	Upper
70	100		
42	83.4	67.4	101.0
101	8.3	7.1	10.7
130	16.1	13.5	20.3

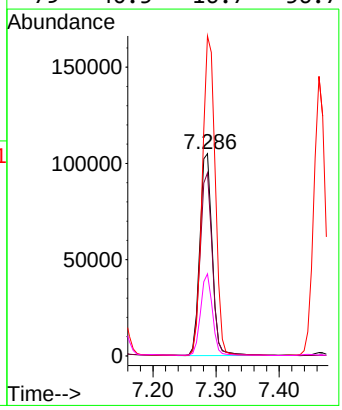


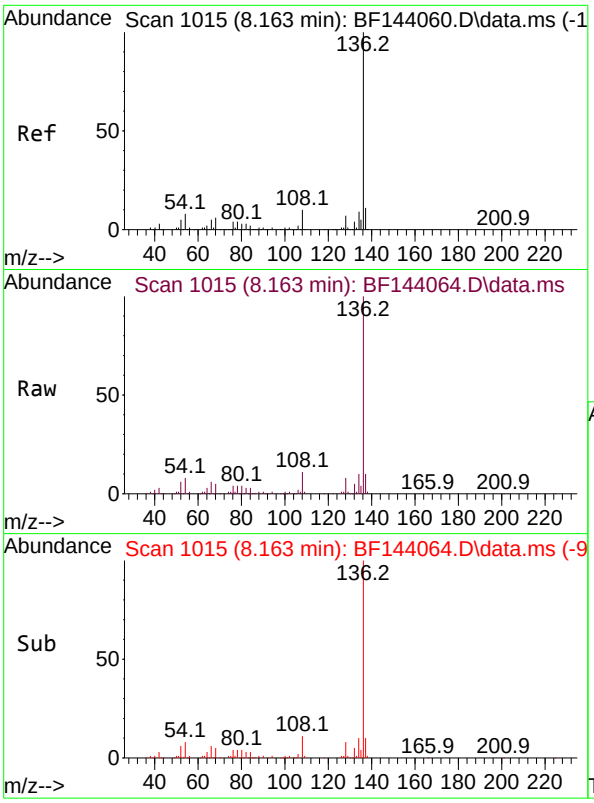


#20
3+4-Methylphenols
Concen: 61.433 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:107 Resp: 142326

Ion	Ratio	Lower	Upper
107	100		
108	90.5	68.0	108.0
77	158.2	108.7	148.7#
79	40.5	16.7	56.7



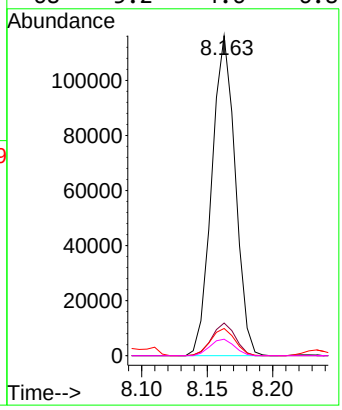


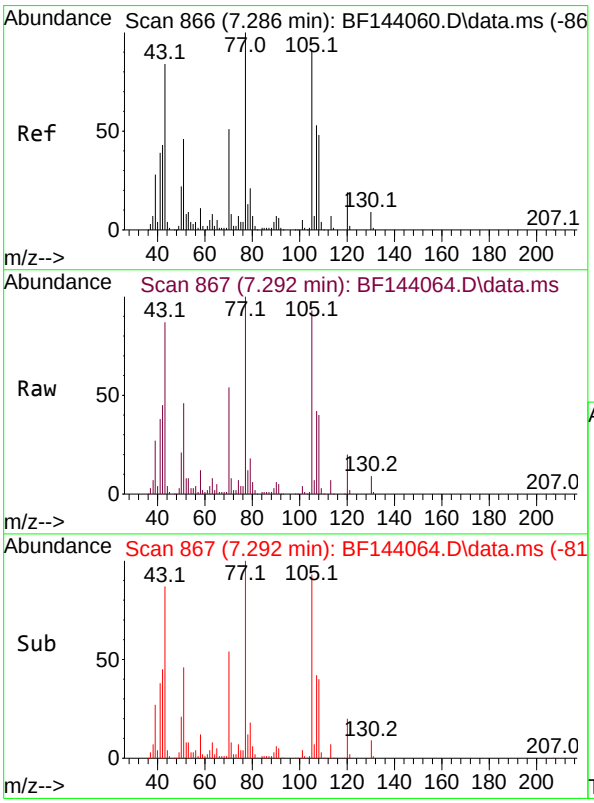
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 144864

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	13.0
54	8.5	6.6	9.8
68	5.2	4.6	6.8

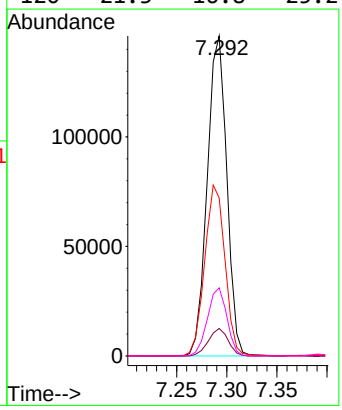


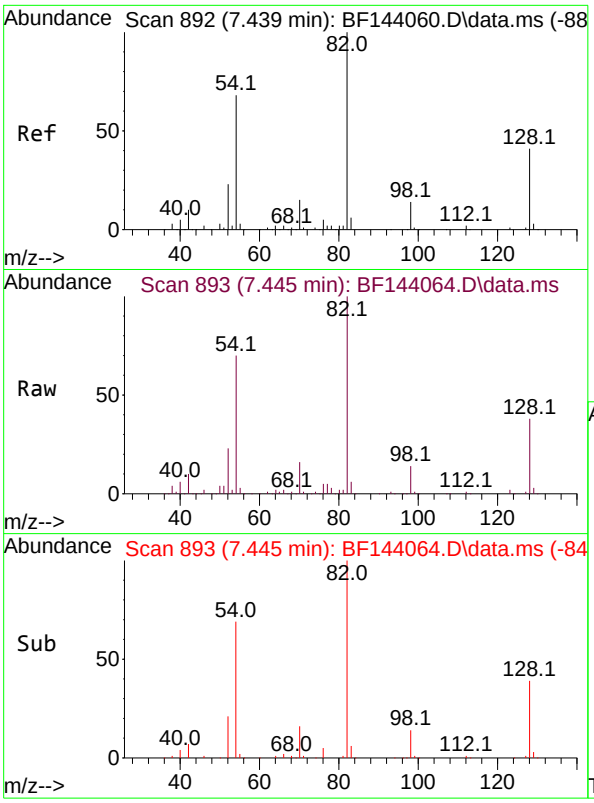


#22
Acetophenone
Concen: 63.255 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:105 Resp: 198031

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.9	10.3
51	49.4	40.6	60.8
120	21.3	16.8	25.2



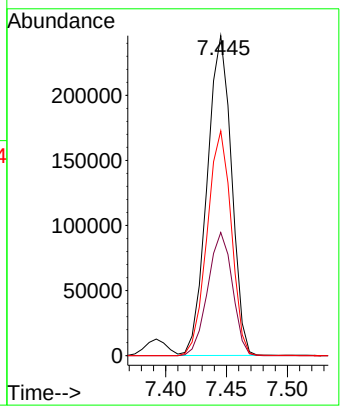


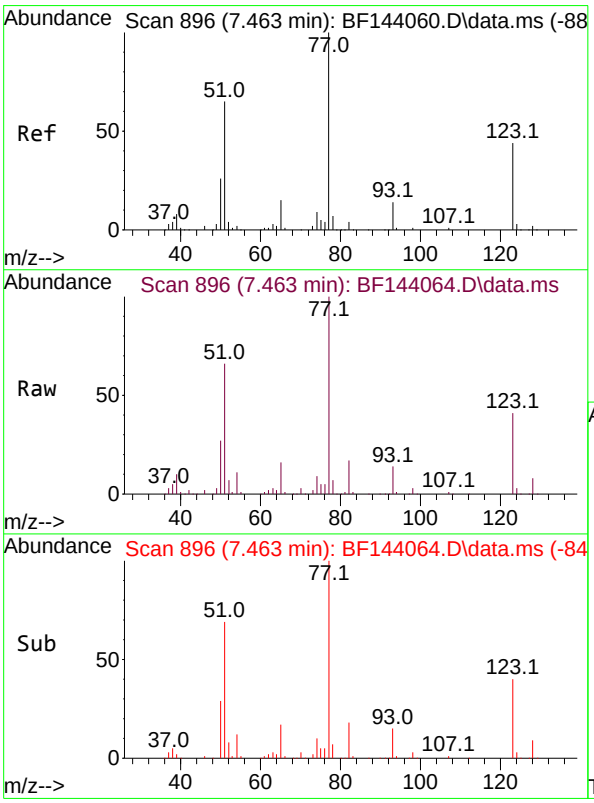
#23
Nitrobenzene-d5
Concen: 129.319 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 341936

Ion	Ratio	Lower	Upper
82	100		
128	38.5	32.4	48.6
54	70.2	54.0	81.0

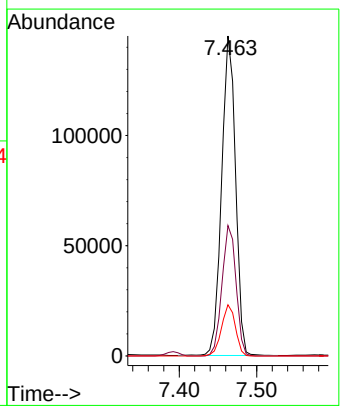


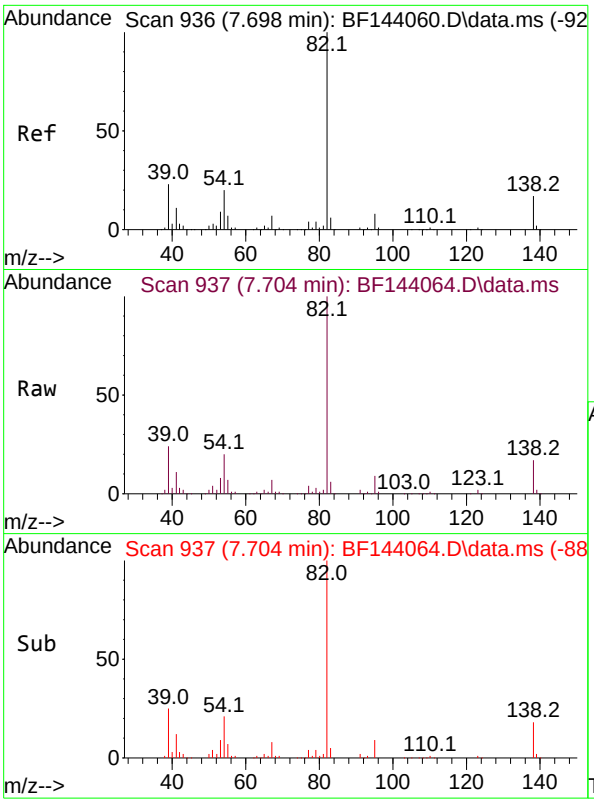


#24
Nitrobenzene
Concen: 64.837 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 77 Resp: 181356

Ion	Ratio	Lower	Upper
77	100		
123	40.7	35.0	52.6
65	16.0	12.2	18.2



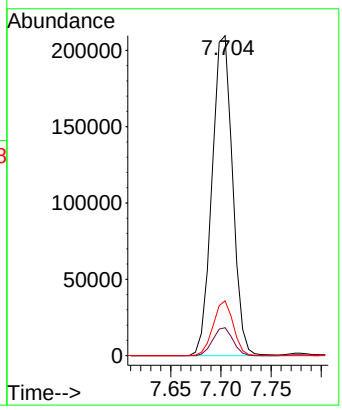


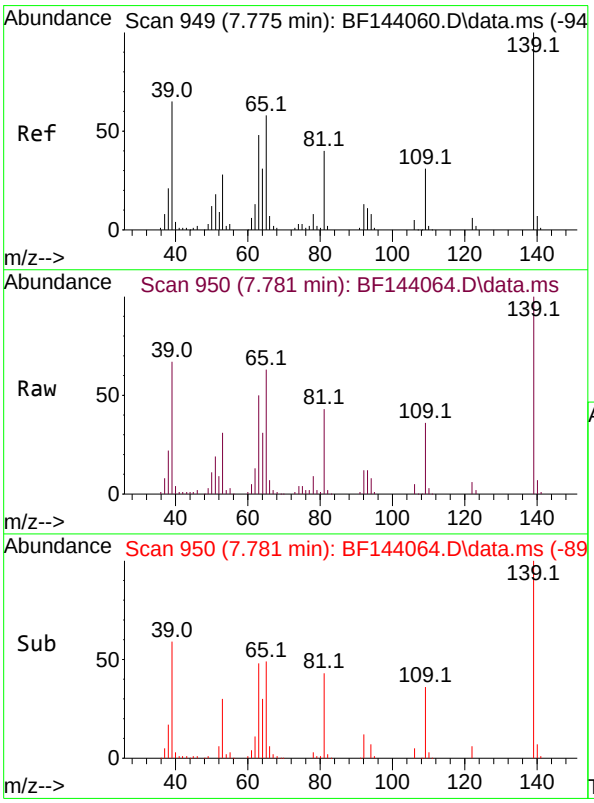
#25
Isophorone
Concen: 64.523 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 298273

Ion	Ratio	Lower	Upper
82	100		
95	8.7	6.6	9.8
138	17.1	13.8	20.8

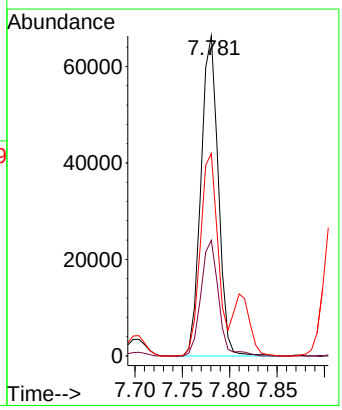


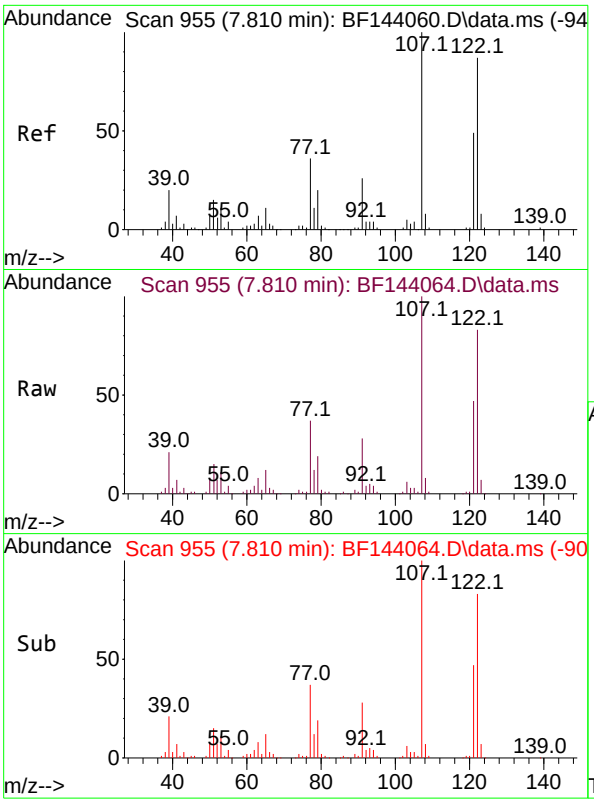


#26
2-Nitrophenol
Concen: 63.417 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:139 Resp: 84384

Ion	Ratio	Lower	Upper
139	100		
109	36.1	24.6	37.0
65	63.2	46.6	69.8



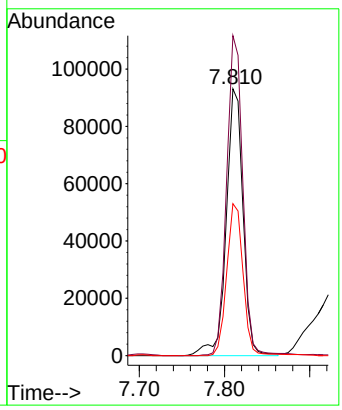


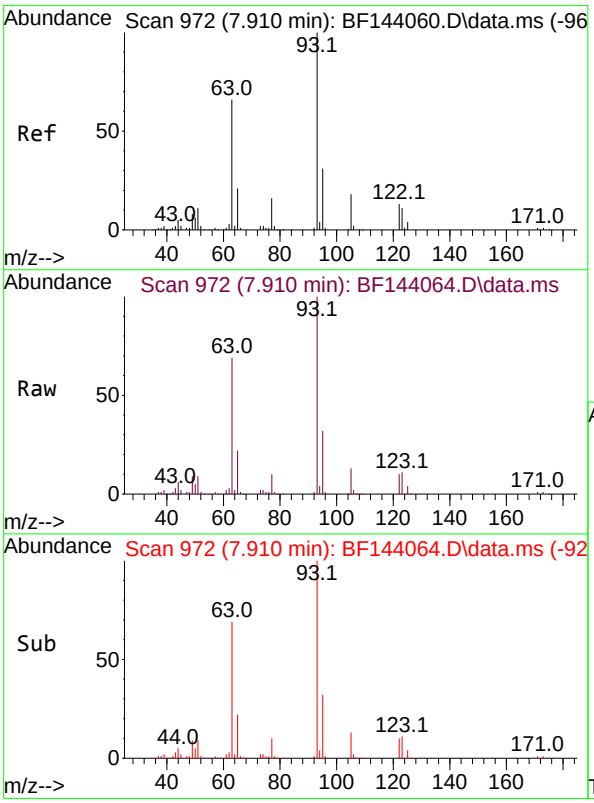
#27
2,4-Dimethylphenol
Concen: 64.435 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 127412

Ion	Ratio	Lower	Upper
122	100		
107	120.0	91.8	137.8
121	56.9	45.2	67.8

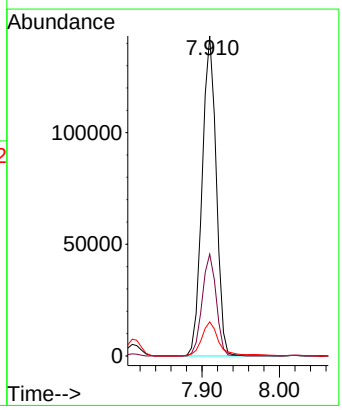


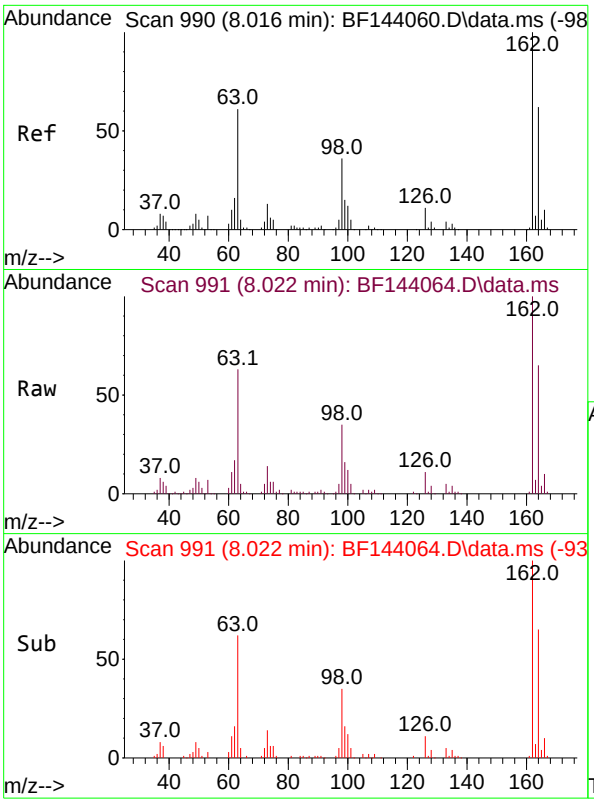


#28
bis(2-Chloroethoxy)methane
Concen: 62.737 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 93 Resp: 180863

Ion	Ratio	Lower	Upper
93	100		
95	31.8	24.6	36.8
123	10.6	9.1	13.7



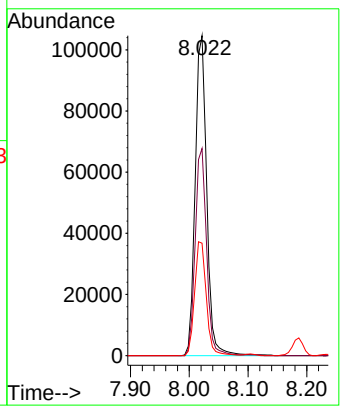


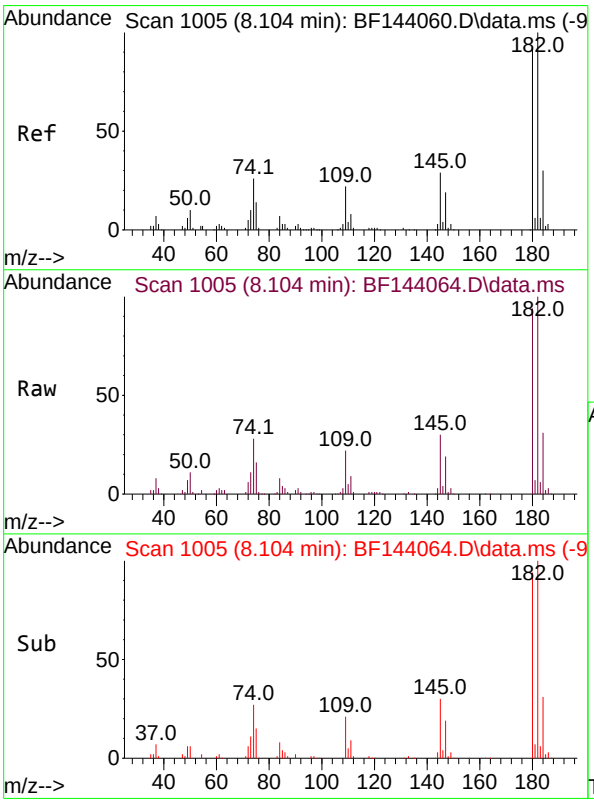
#29
2,4-Dichlorophenol
Concen: 61.979 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 142524

Ion	Ratio	Lower	Upper
162	100		
164	64.7	42.1	82.1
98	35.1	16.0	56.0

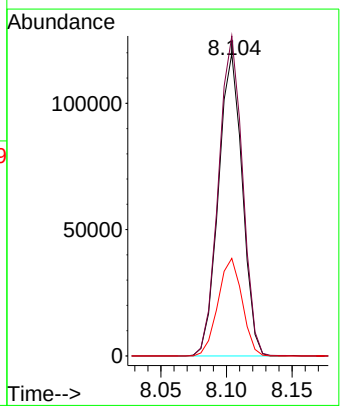


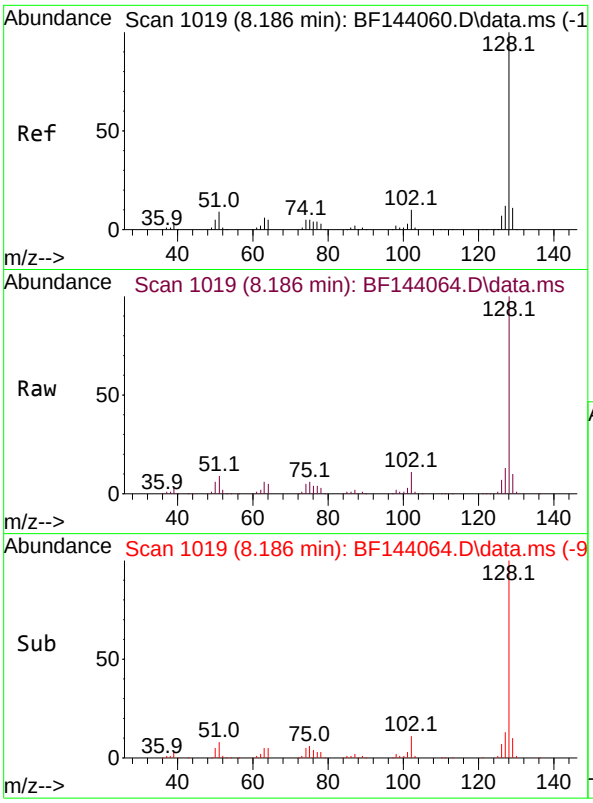


#30
1,2,4-Trichlorobenzene
Concen: 63.994 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:180 Resp: 151390

Ion	Ratio	Lower	Upper
180	100		
182	105.9	87.1	130.7
145	32.3	25.3	37.9



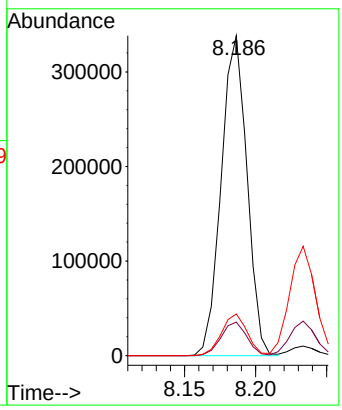


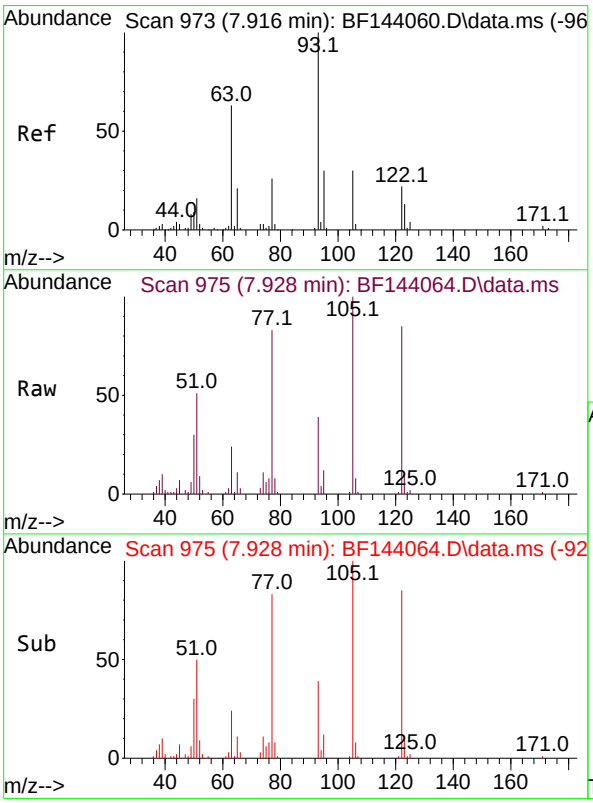
#31
Naphthalene
Concen: 62.477 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 427166

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	13.0	9.9	14.9

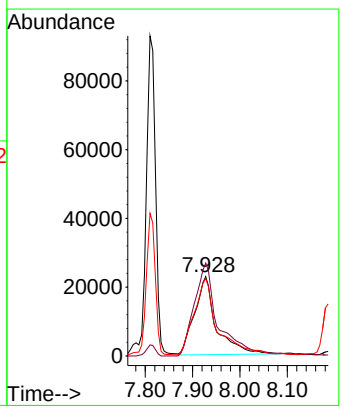


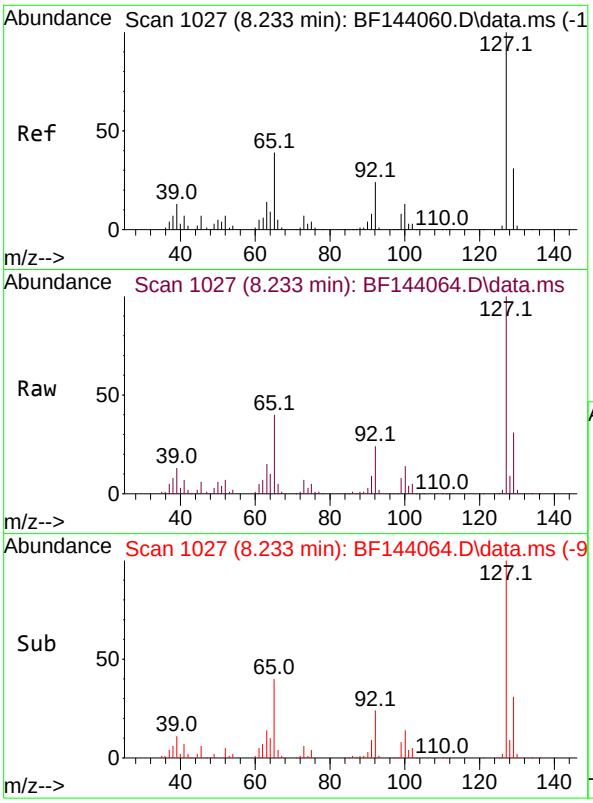


#32
Benzoic acid
Concen: 58.314 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:122 Resp: 73142

Ion	Ratio	Lower	Upper
122	100		
105	117.2	111.3	151.3
77	97.6	96.7	136.7



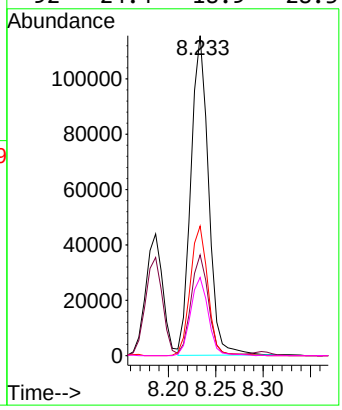


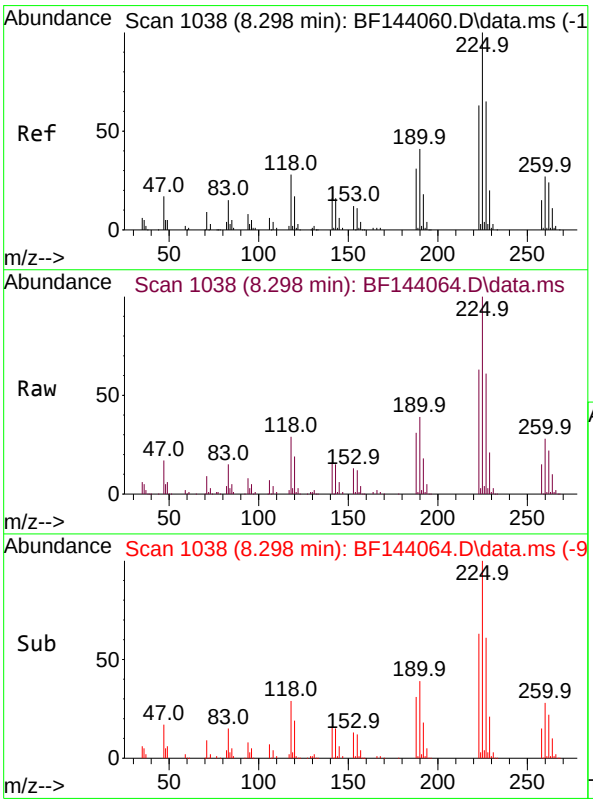
#33
4-Chloroaniline
Concen: 62.767 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 149397

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.6	38.4
65	40.5	30.9	46.3
92	24.4	18.9	28.3

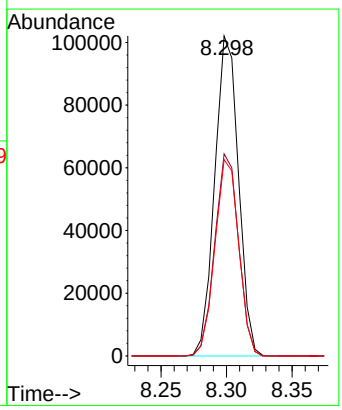


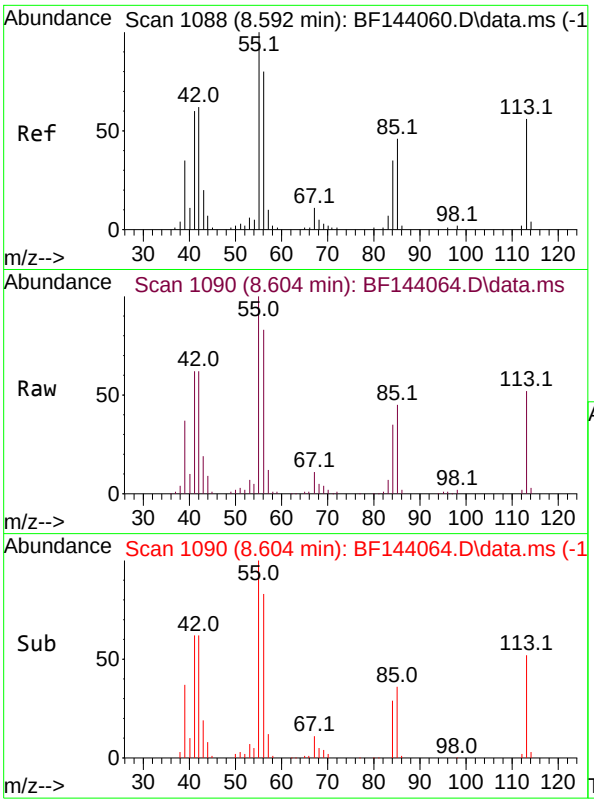


#34
Hexachlorobutadiene
Concen: 66.488 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:225 Resp: 128615

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	61.3	51.8	77.8



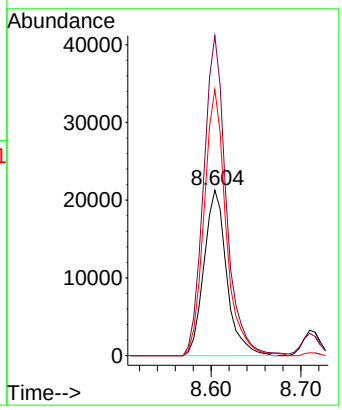


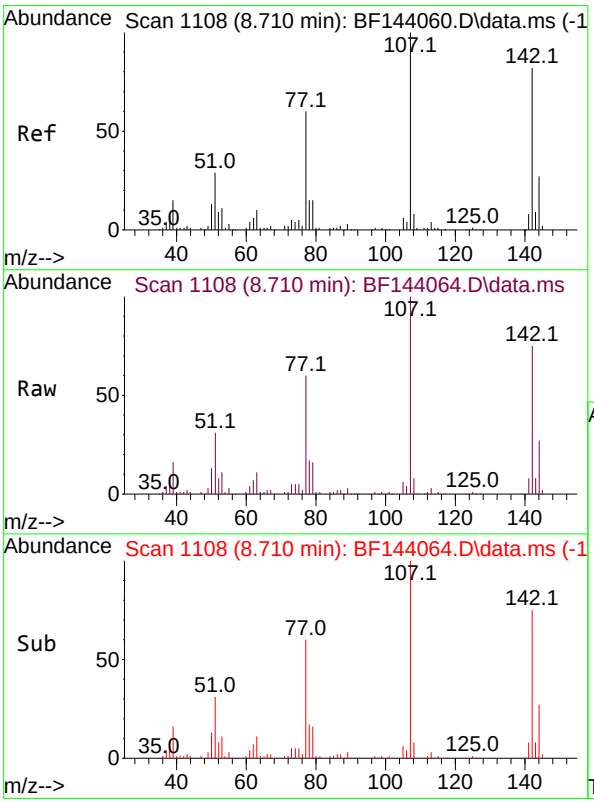
#35
Caprolactam
Concen: 64.879 ng
RT: 8.604 min Scan# 10
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 37413

Ion	Ratio	Lower	Upper
113	100		
55	193.3	160.1	200.1
56	160.7	124.9	164.9

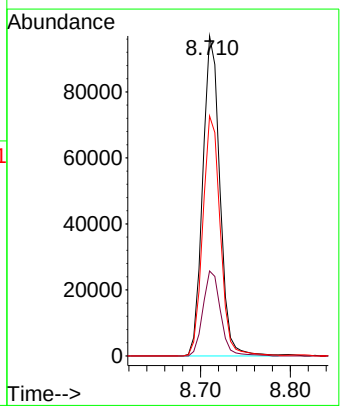


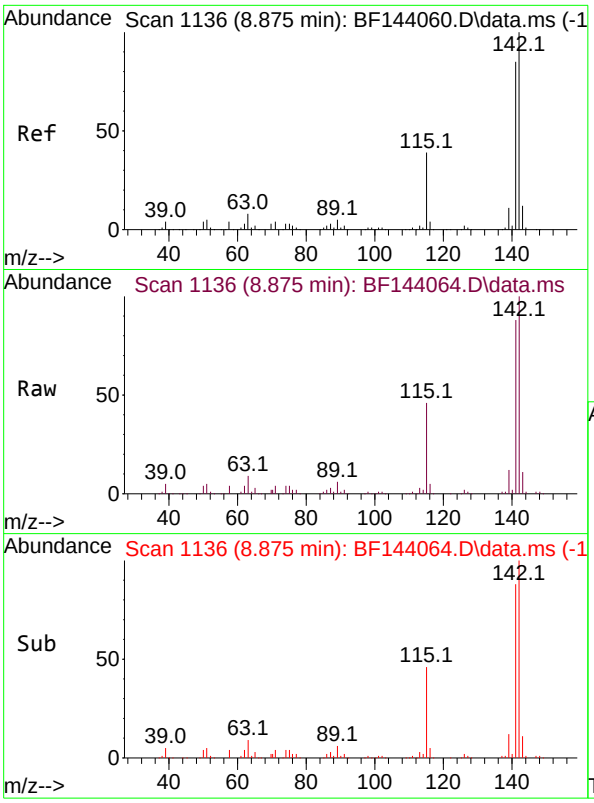


#36
4-Chloro-3-methylphenol
Concen: 63.473 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:107 Resp: 128805

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.6	32.4
142	75.0	65.4	98.0



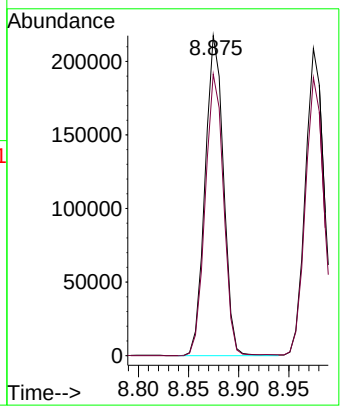


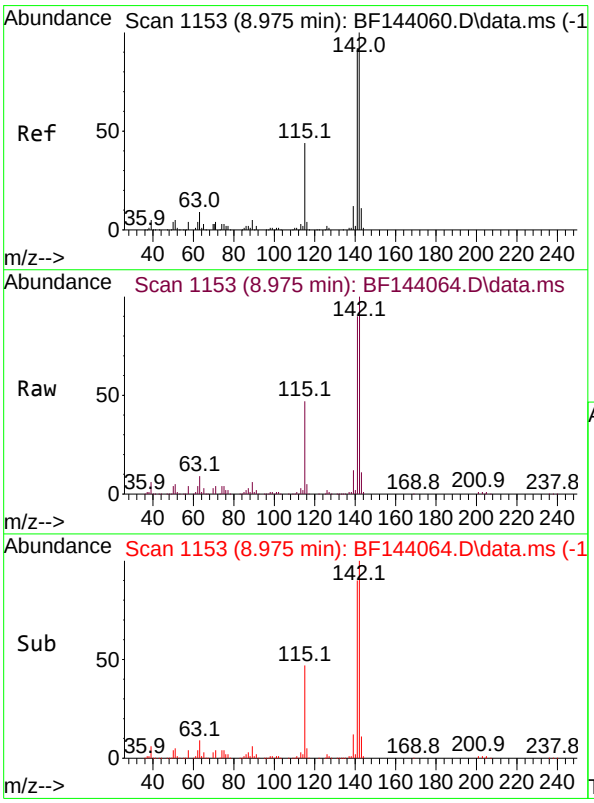
#37
2-Methylnaphthalene
Concen: 61.432 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 276923

Ion	Ratio	Lower	Upper
142	100		
141	88.0	67.6	101.4

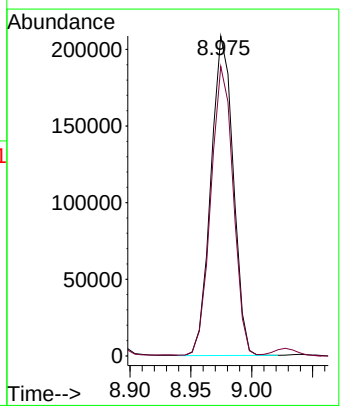


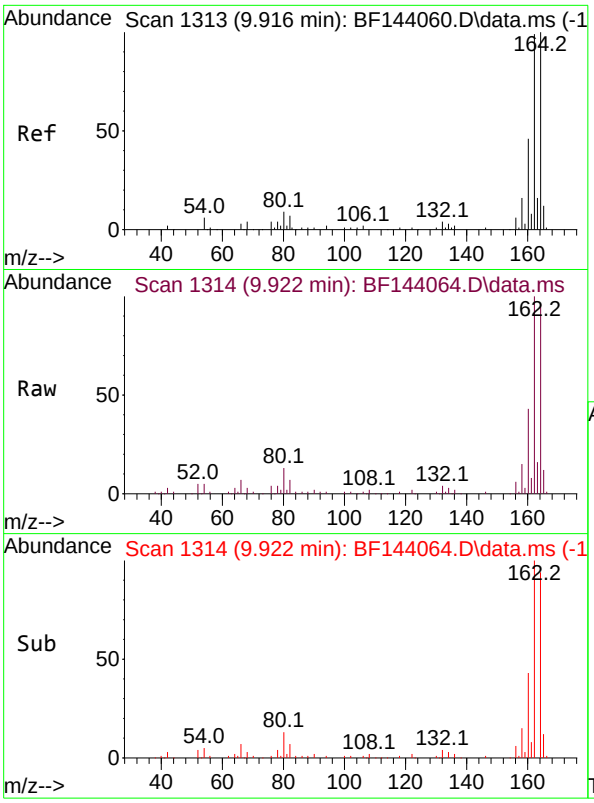


#38
1-Methylnaphthalene
Concen: 62.174 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:142 Resp: 265532

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.4	110.2



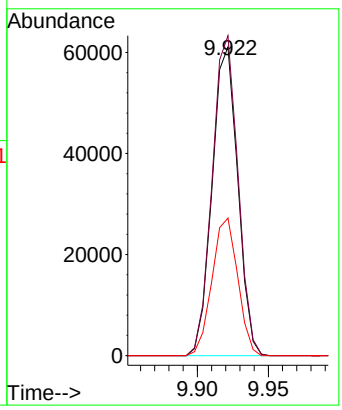


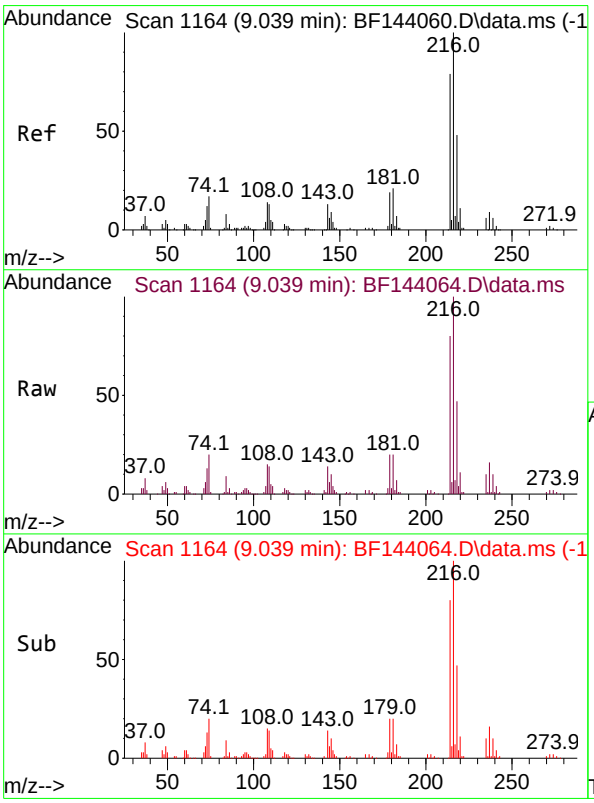
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 76683

Ion	Ratio	Lower	Upper
164	100		
162	103.7	79.4	119.2
160	44.6	36.7	55.1

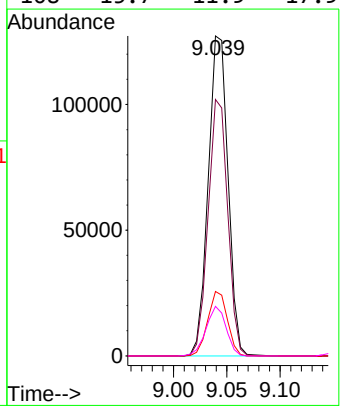


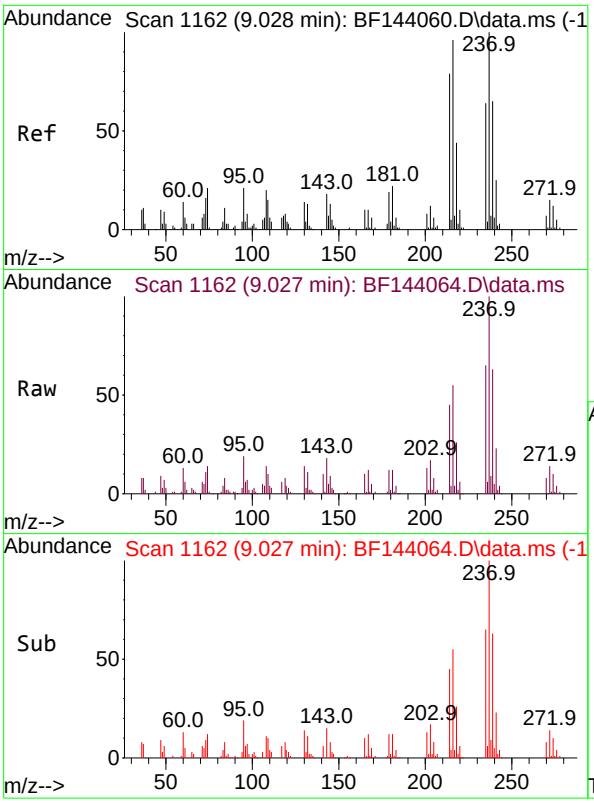


#40
1,2,4,5-Tetrachlorobenzene
Concen: 62.495 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:216 Resp: 164703

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	19.9	15.2	22.8
108	15.7	11.9	17.9



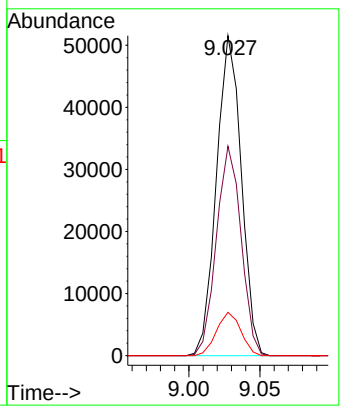


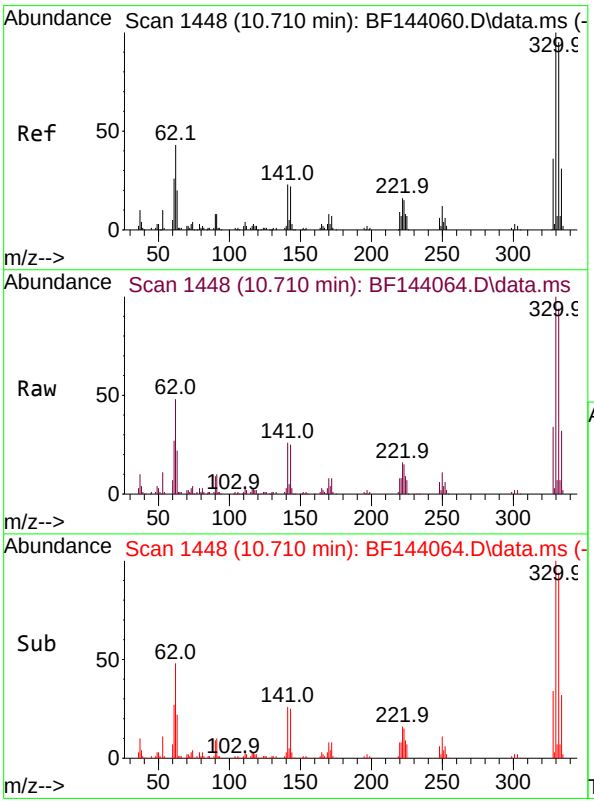
#41
Hexachlorocyclopentadiene
Concen: 77.248 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 62879

Ion	Ratio	Lower	Upper
237	100		
235	65.4	44.3	84.3
272	13.5	0.0	35.2

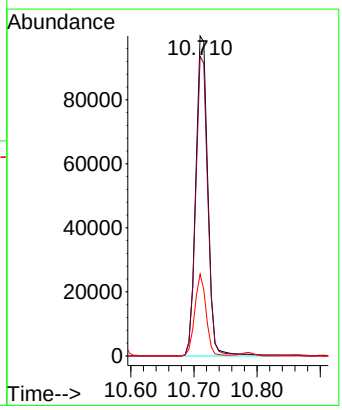


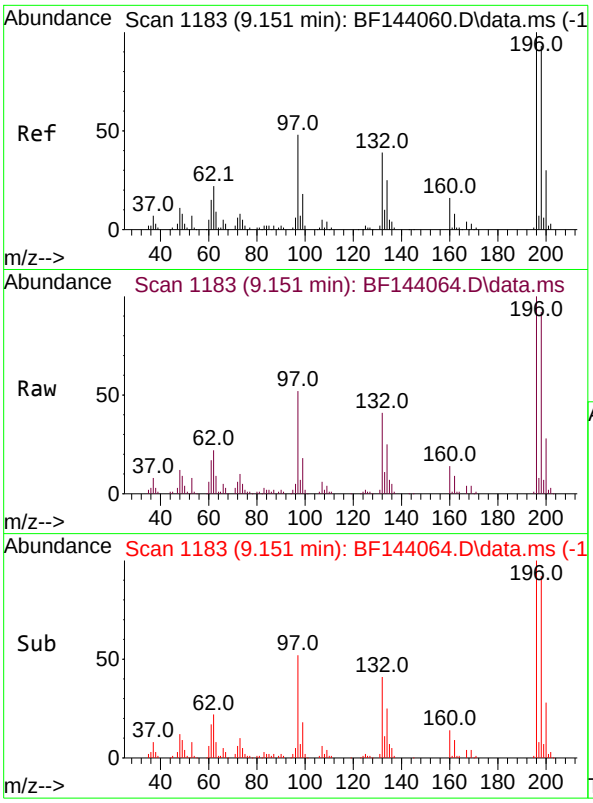


#42
2,4,6-Tribromophenol
Concen: 135.953 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:330 Resp: 132798

Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	24.0	19.4	29.0



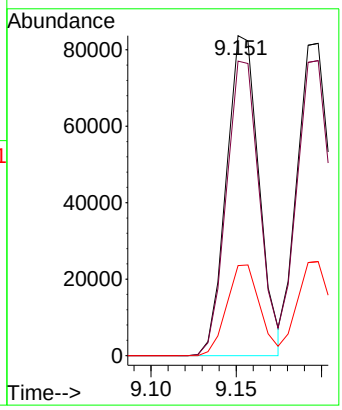


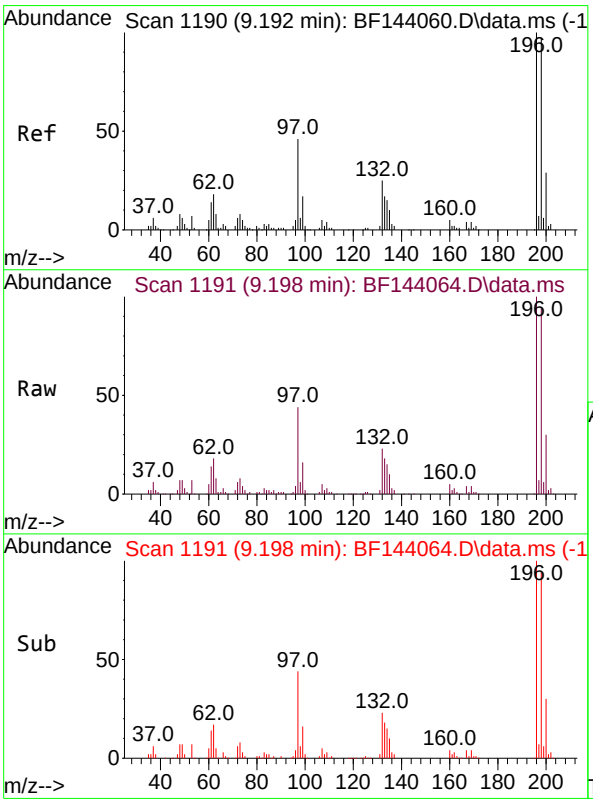
#43
2,4,6-Trichlorophenol
Concen: 65.103 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 111523

Ion	Ratio	Lower	Upper
196	100		
198	92.0	74.4	111.6
200	28.2	23.8	35.8

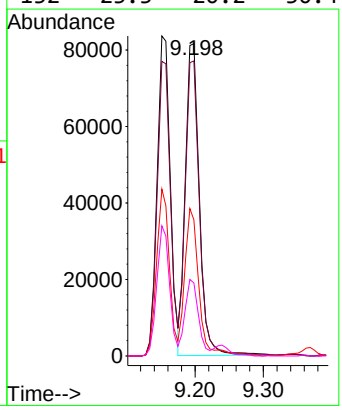


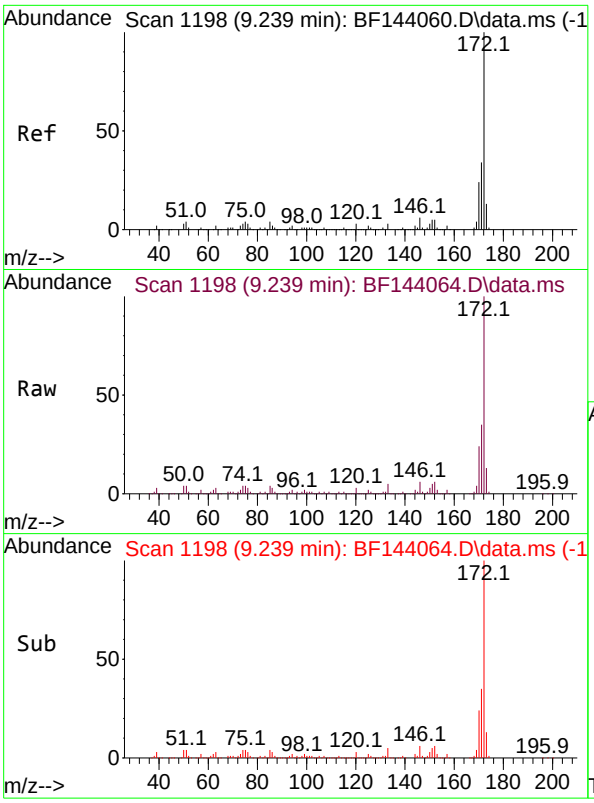


#44
2,4,5-Trichlorophenol
Concen: 65.377 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:196 Resp: 117536

Ion	Ratio	Lower	Upper
196	100		
198	94.5	78.0	117.0
97	43.6	37.7	56.5
132	23.3	20.2	30.4



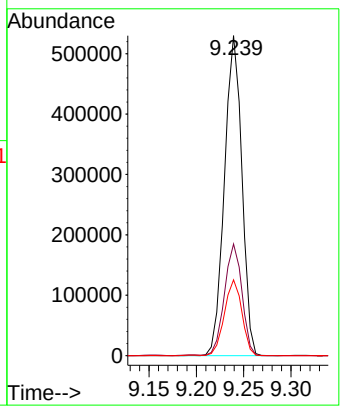


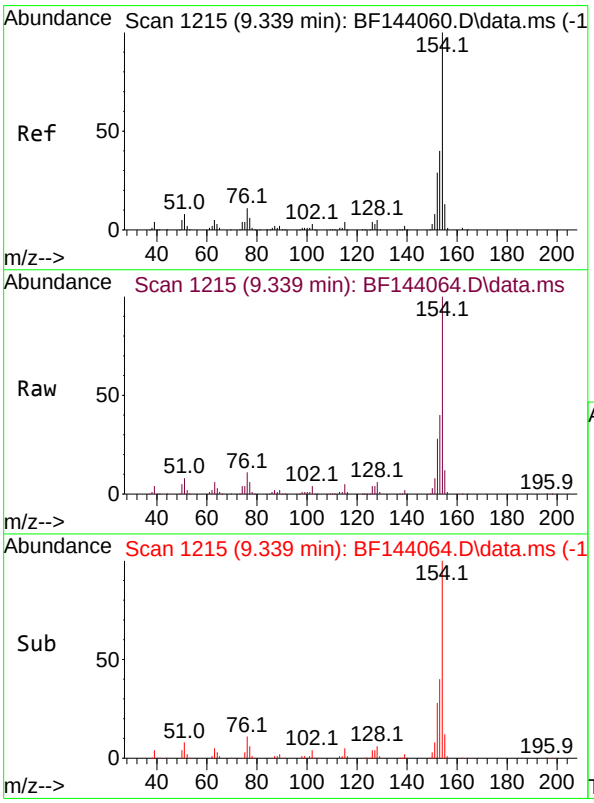
#45
2-Fluorobiphenyl
Concen: 124.361 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 677674

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	23.7	19.0	28.6

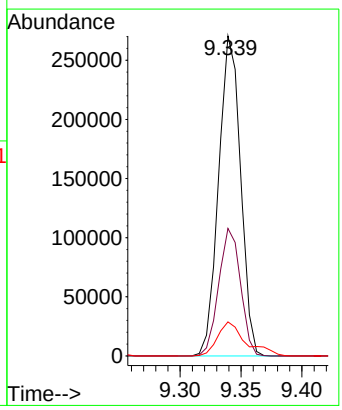


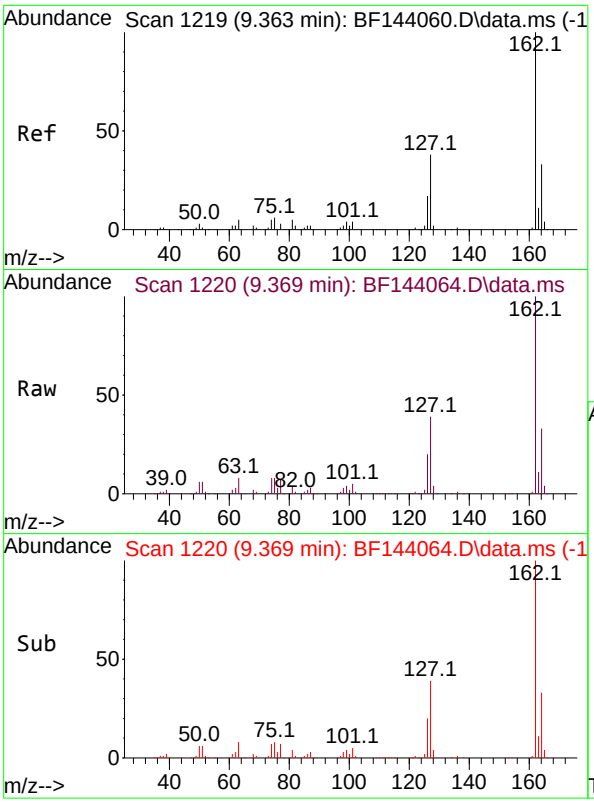


#46
1,1'-Biphenyl
Concen: 61.621 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:154 Resp: 338254

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.7	59.7
76	10.6	0.0	31.1



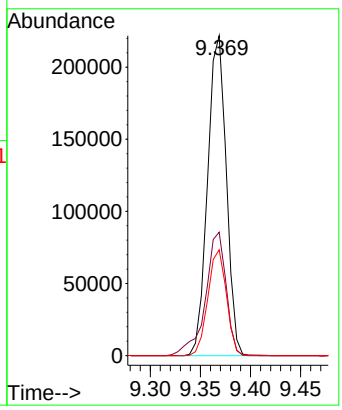


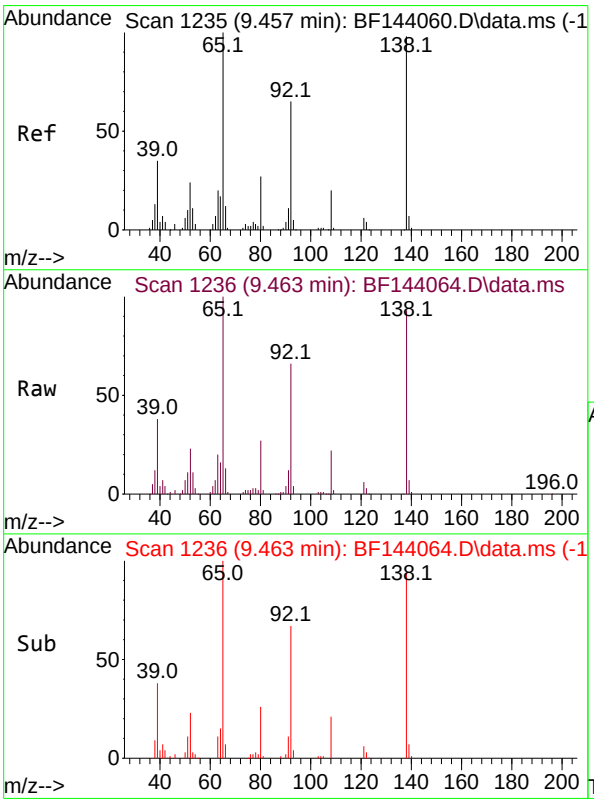
#47
2-Chloronaphthalene
Concen: 62.514 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 287490

Ion	Ratio	Lower	Upper
162	100		
127	38.6	31.6	47.4
164	33.1	26.5	39.7

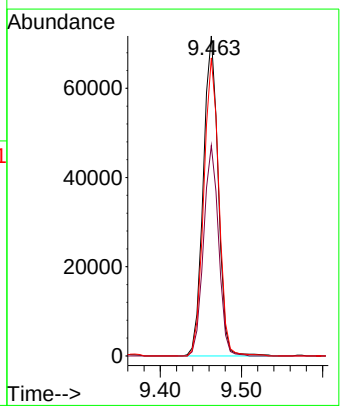


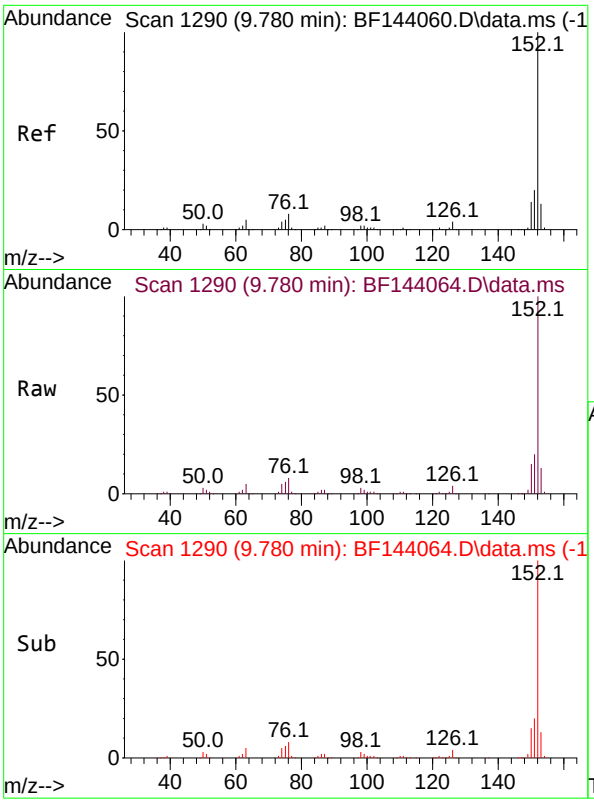


#48
2-Nitroaniline
Concen: 67.272 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 65 Resp: 91867

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.3	78.5
138	93.1	78.3	117.5



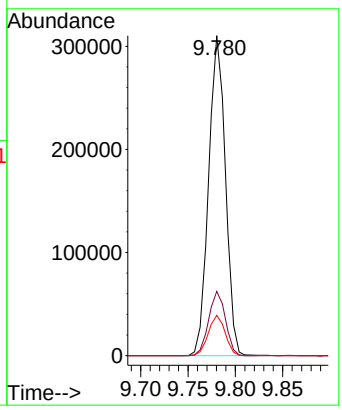


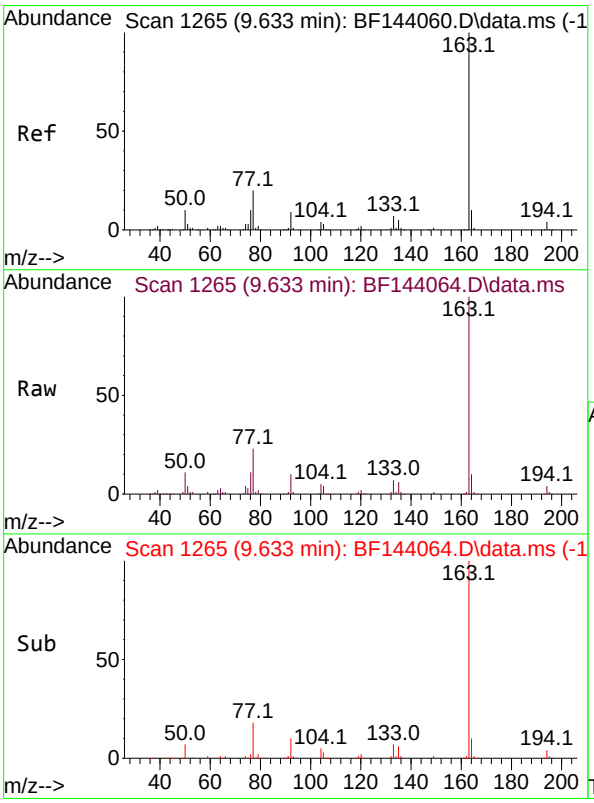
#49
Acenaphthylene
Concen: 61.895 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 383800

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.6	10.4	15.6

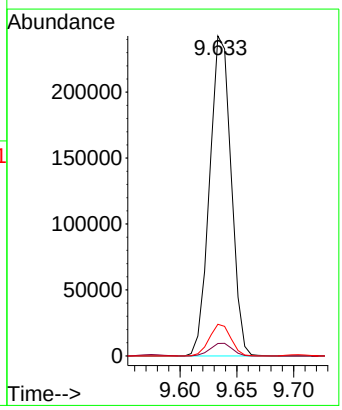


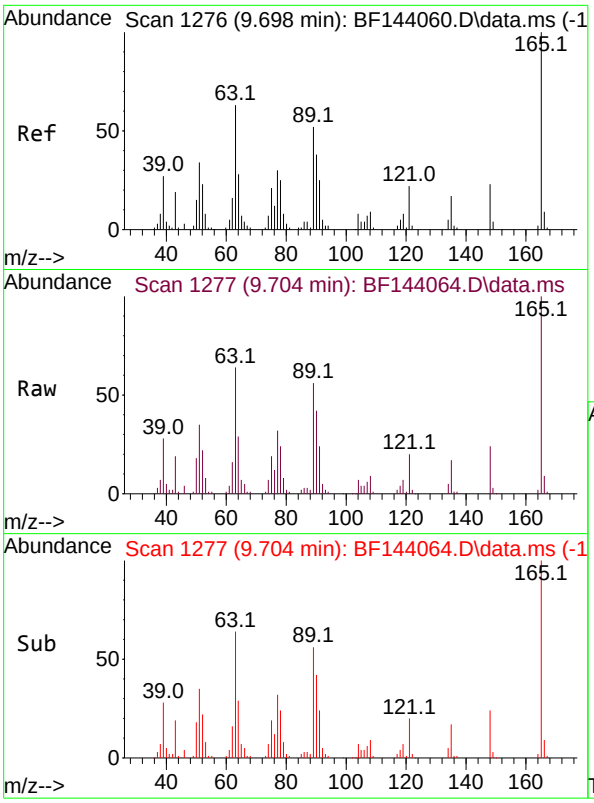


#50
Dimethylphthalate
Concen: 63.485 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:163 Resp: 319101

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.9	7.8	11.8



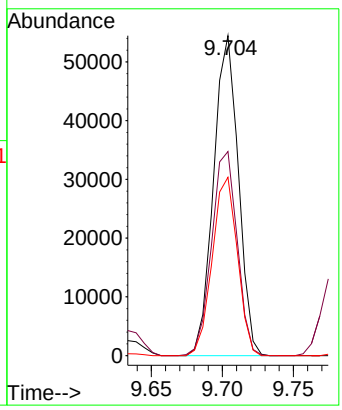


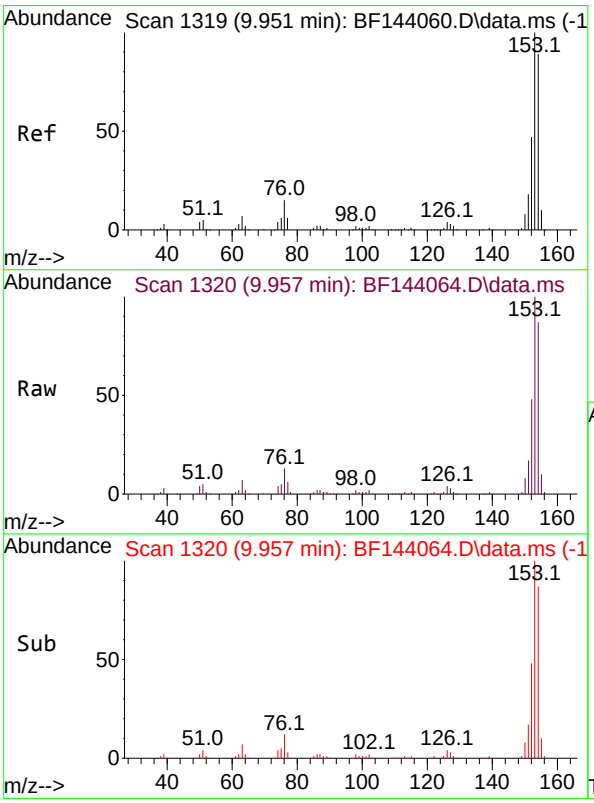
#51
2,6-Dinitrotoluene
Concen: 66.619 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 66198

Ion	Ratio	Lower	Upper
165	100		
63	63.8	50.4	75.6
89	55.7	41.4	62.2

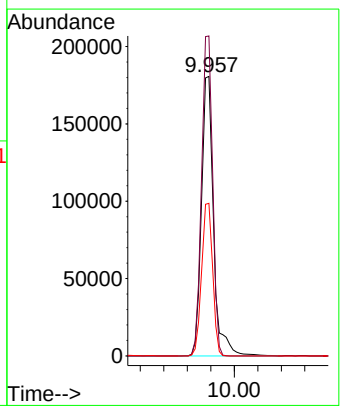


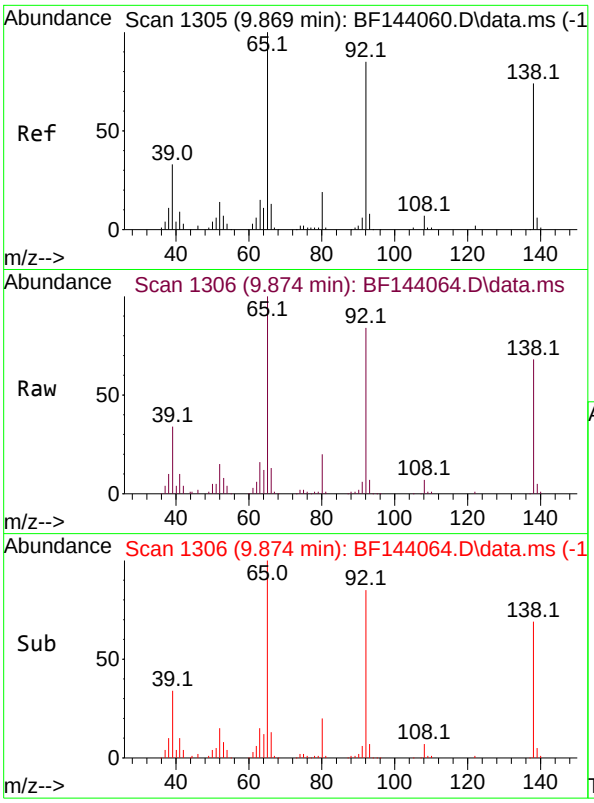


#52
Acenaphthene
Concen: 62.331 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:154 Resp: 258125

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.9	134.9
152	54.6	42.0	63.0



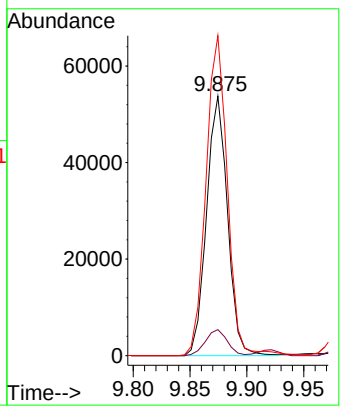


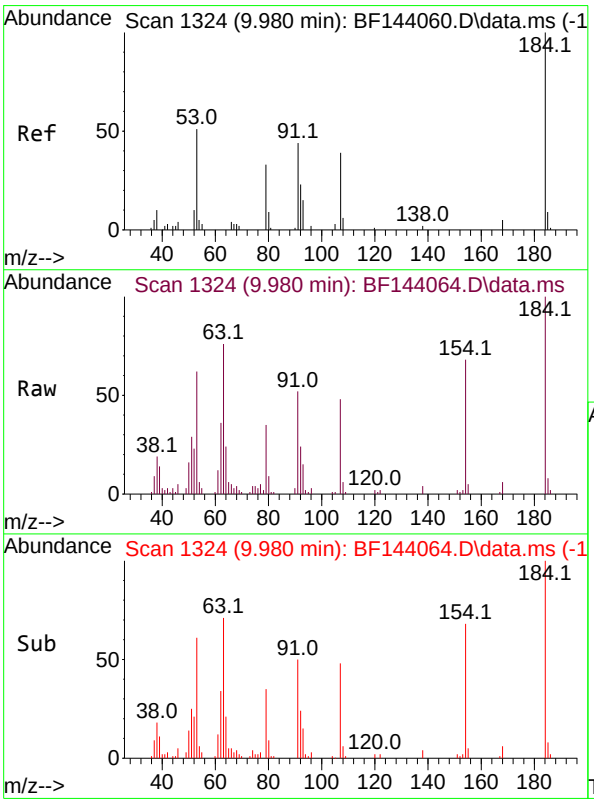
#53
3-Nitroaniline
Concen: 62.642 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 69206

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	123.3	92.0	138.0

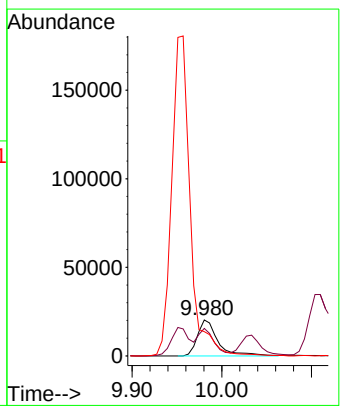


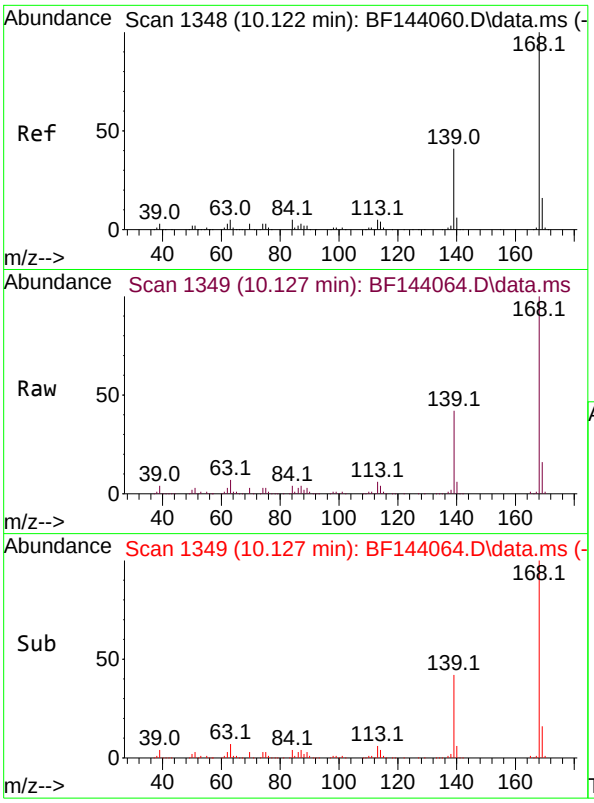


#54
2,4-Dinitrophenol
Concen: 59.508 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:184 Resp: 31982

Ion	Ratio	Lower	Upper
184	100		
63	76.4	52.1	78.1
154	67.6	47.9	71.9



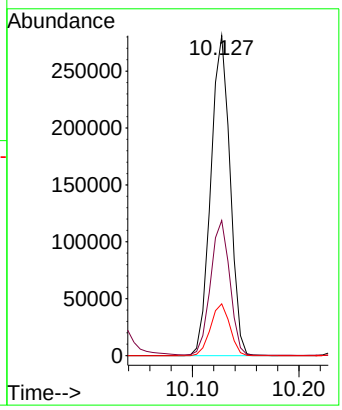


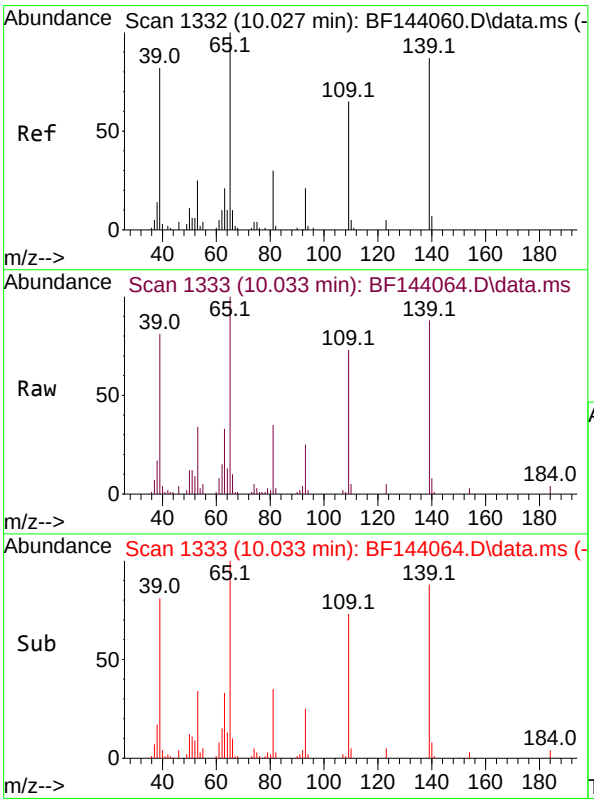
#55
Dibenzofuran
Concen: 61.440 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 353228

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.2	49.8
169	16.2	12.6	19.0

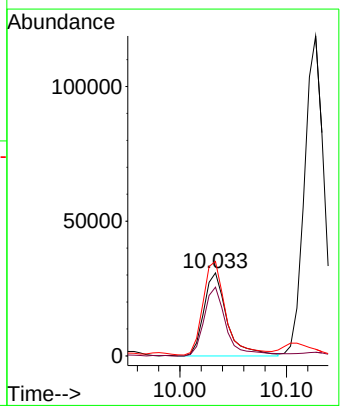


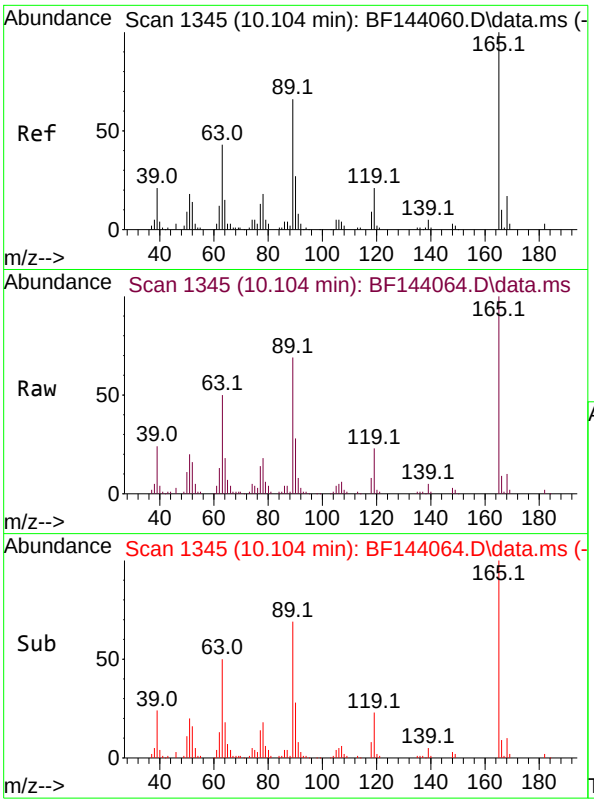


#56
4-Nitrophenol
Concen: 62.136 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:139 Resp: 46485

Ion	Ratio	Lower	Upper
139	100		
109	82.7	53.8	93.8
65	113.8	95.9	135.9



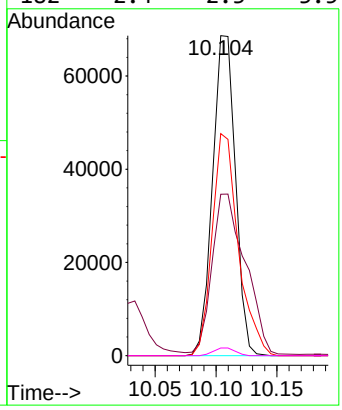


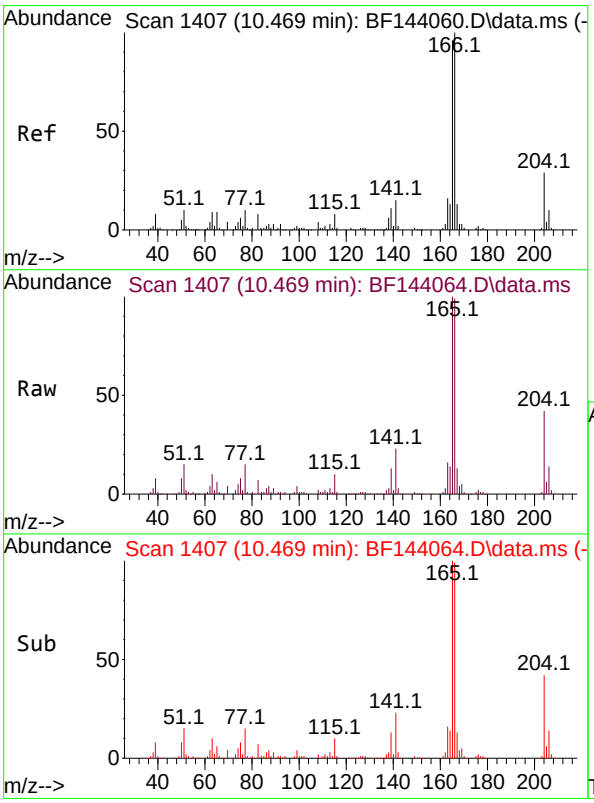
#57
2,4-Dinitrotoluene
Concen: 66.833 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 89630

Ion	Ratio	Lower	Upper
165	100		
63	50.4	35.4	53.2
89	69.4	52.7	79.1
182	2.4	2.3	3.5

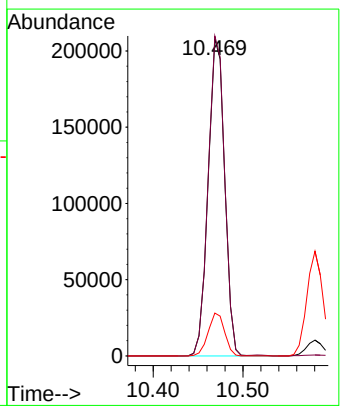


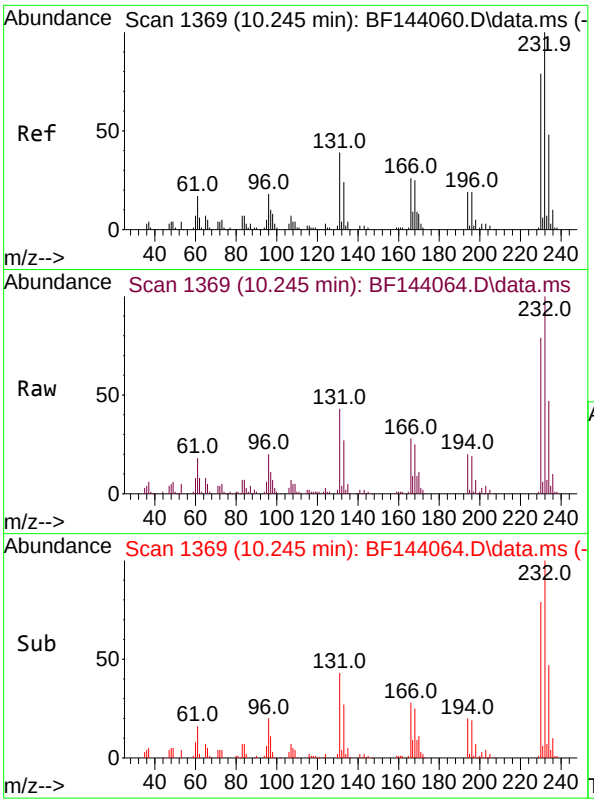


#58
Fluorene
Concen: 60.997 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:166 Resp: 267202

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.0	115.4
167	13.5	10.2	15.4



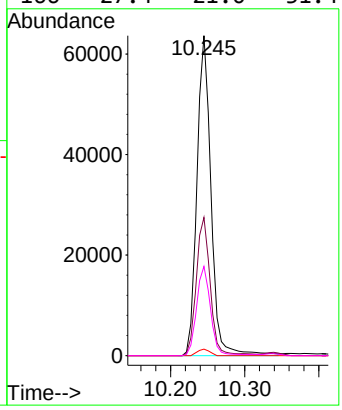


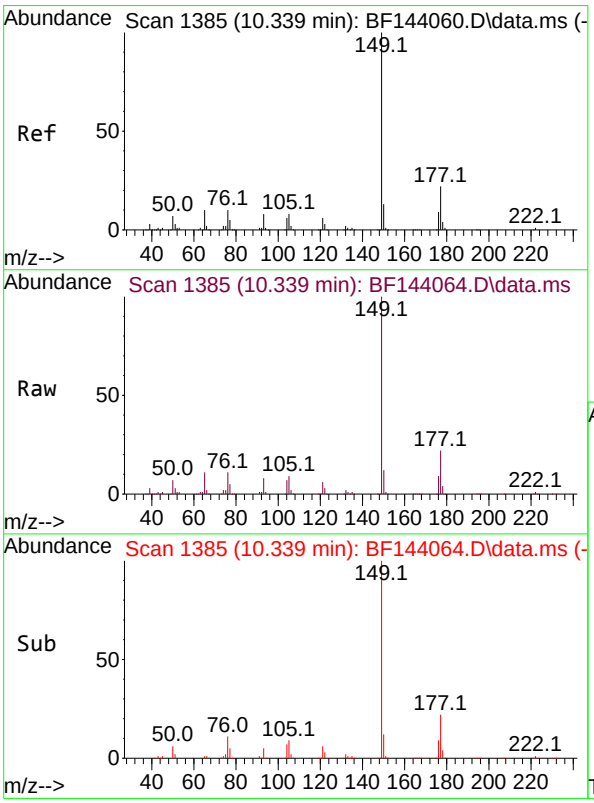
#59
2,3,4,6-Tetrachlorophenol
Concen: 66.502 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 84250

Ion	Ratio	Lower	Upper
232	100		
131	42.7	31.9	47.9
130	1.8	1.1	1.7#
166	27.4	21.0	31.4

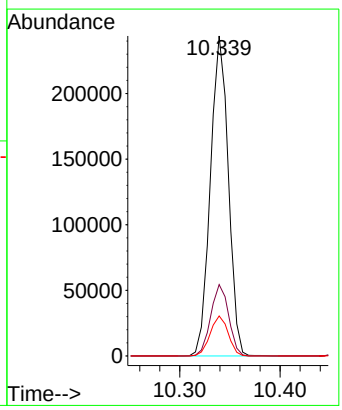


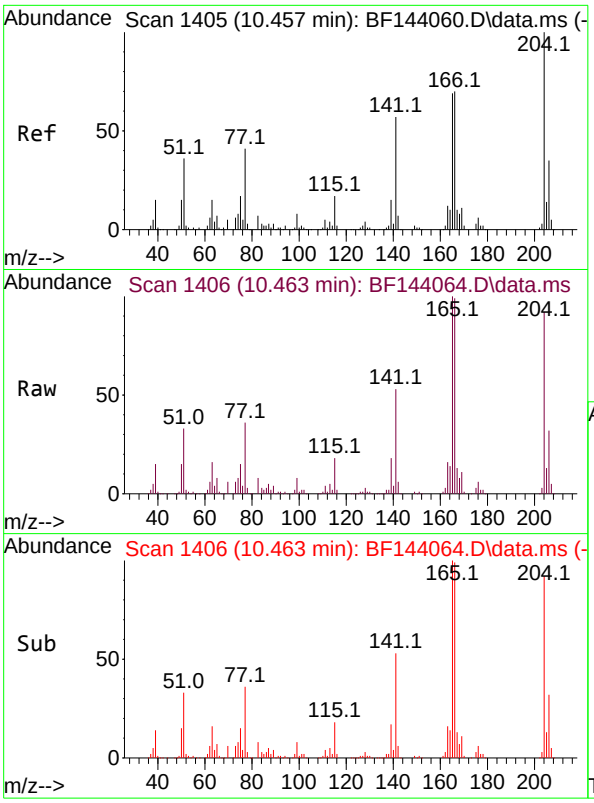


#60
Diethylphthalate
Concen: 64.138 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:149 Resp: 303176

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.5	10.1	15.1



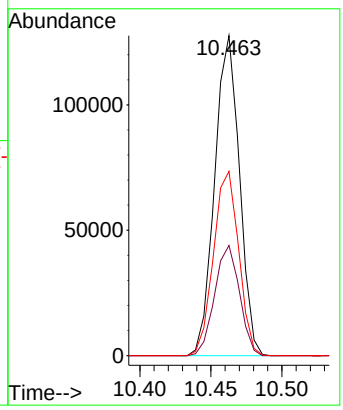


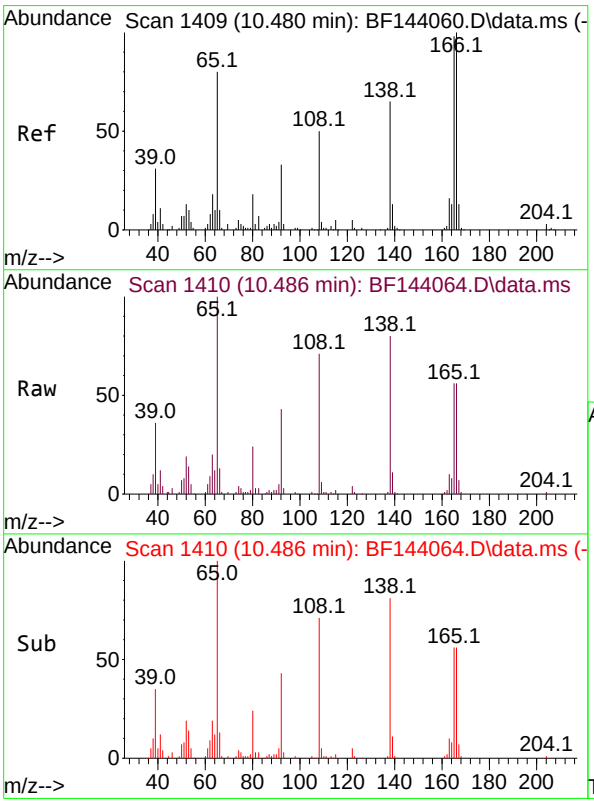
#61
4-Chlorophenyl-phenylether
Concen: 62.927 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 155019

Ion	Ratio	Lower	Upper
204	100		
206	34.4	27.8	41.6
141	57.6	45.4	68.2

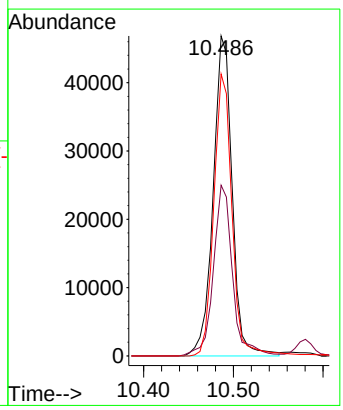


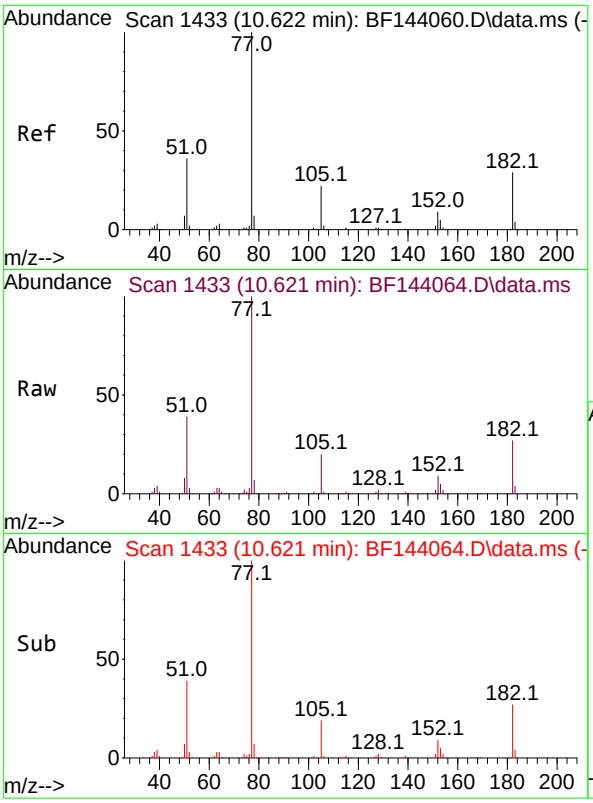


#62
4-Nitroaniline
Concen: 65.819 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:138 Resp: 68899

Ion	Ratio	Lower	Upper
138	100		
92	53.3	30.5	70.5
108	88.1	56.2	96.2



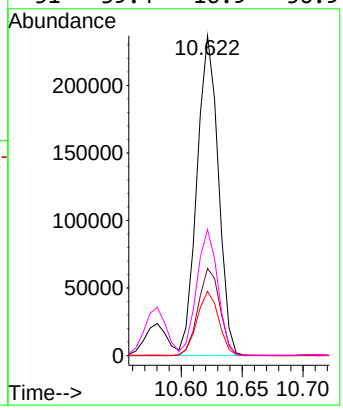


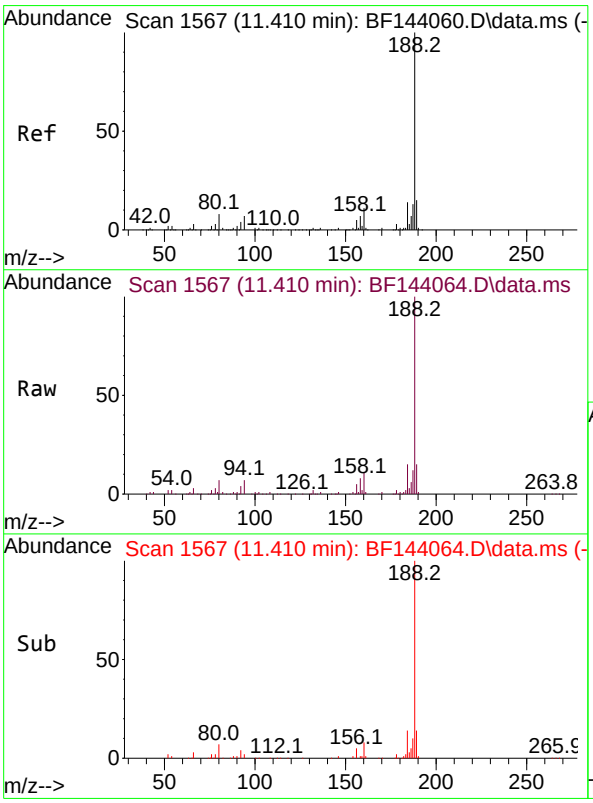
#63
Azobenzene
Concen: 64.412 ng
RT: 10.621 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 288180

Ion	Ratio	Lower	Upper
77	100		
182	27.3	9.0	49.0
105	20.1	1.4	41.4
51	39.4	16.9	56.9

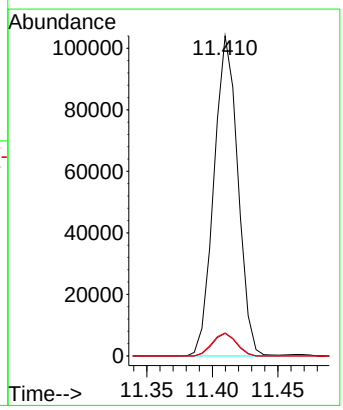


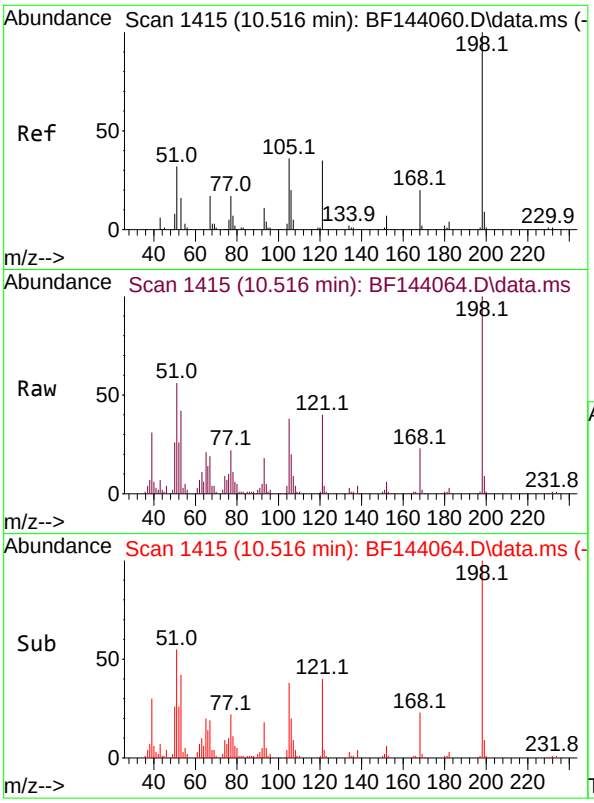


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:188 Resp: 132038

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.4	8.0
80	7.2	6.0	9.0



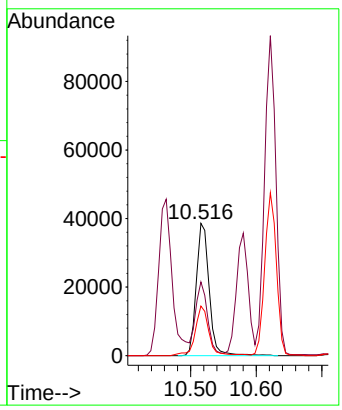


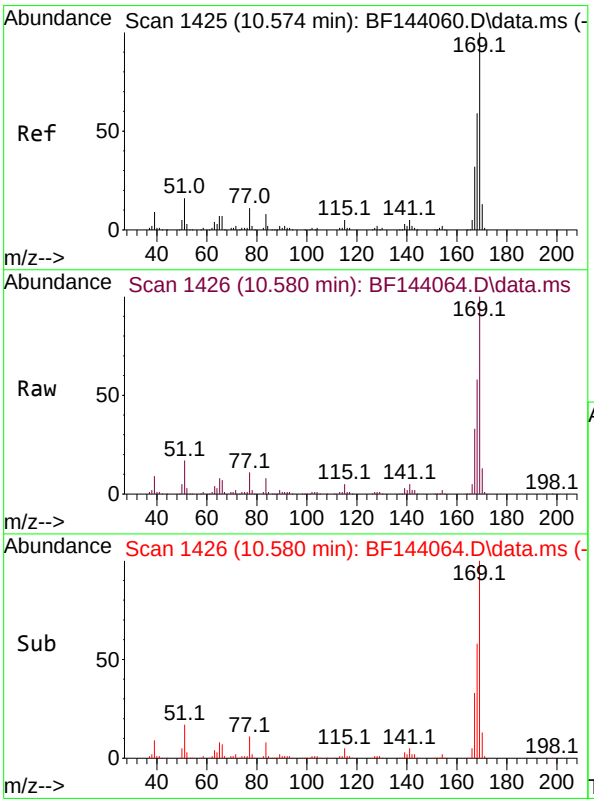
#65
4,6-Dinitro-2-methylphenol
Concen: 61.785 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 52340

Ion	Ratio	Lower	Upper
198	100		
51	55.8	25.8	65.8
105	37.5	17.2	57.2

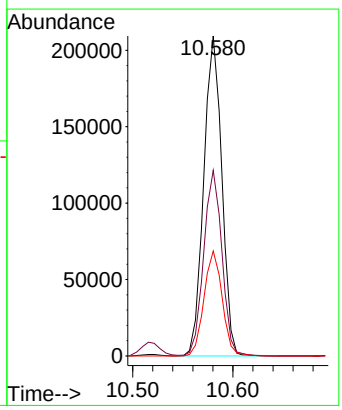


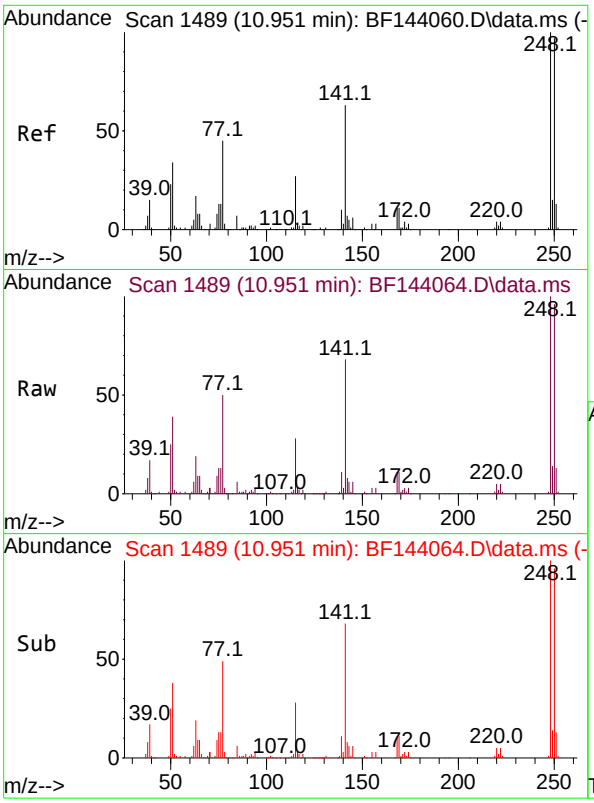


#66
n-Nitrosodiphenylamine
Concen: 61.911 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:169 Resp: 261183

Ion	Ratio	Lower	Upper
169	100		
168	58.0	47.4	71.2
167	32.8	25.5	38.3



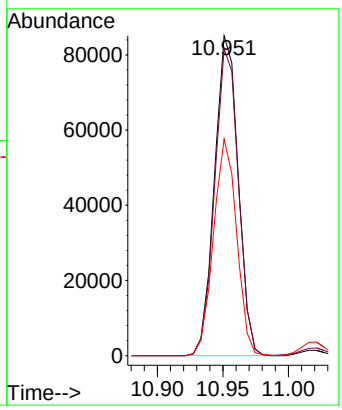


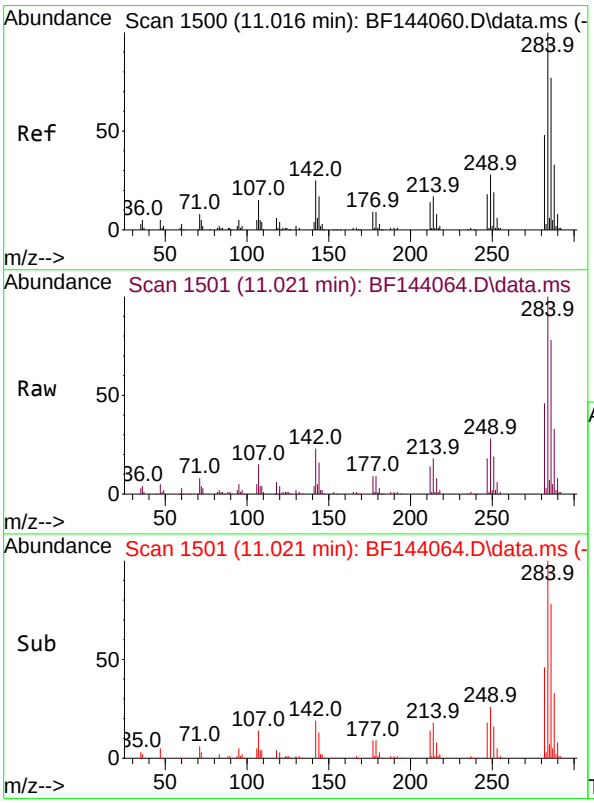
#67
4-Bromophenyl-phenylether
Concen: 64.641 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 106864

Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.8	116.6
141	67.7	50.5	75.7

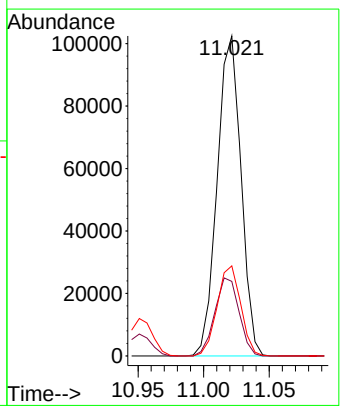


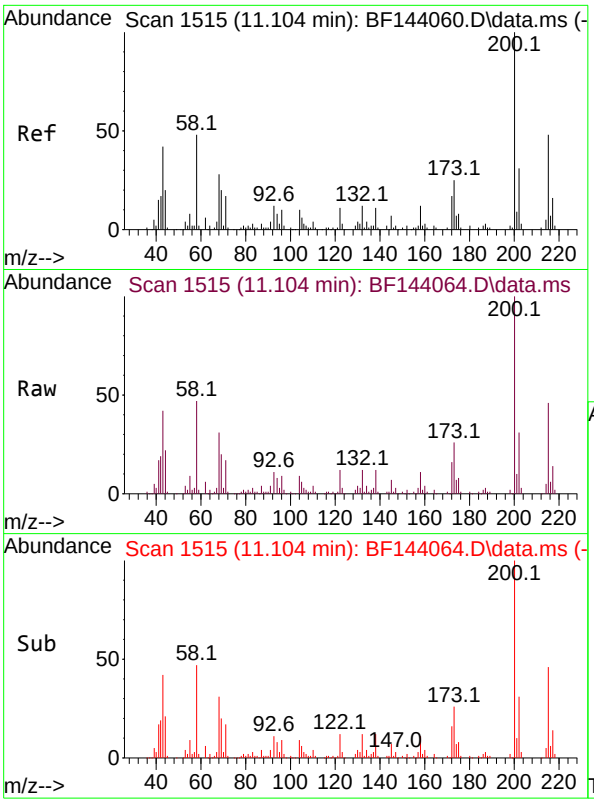


#68
Hexachlorobenzene
Concen: 64.021 ng
RT: 11.021 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:284 Resp: 129804

Ion	Ratio	Lower	Upper
284	100		
142	23.3	20.0	30.0
249	28.1	22.2	33.2



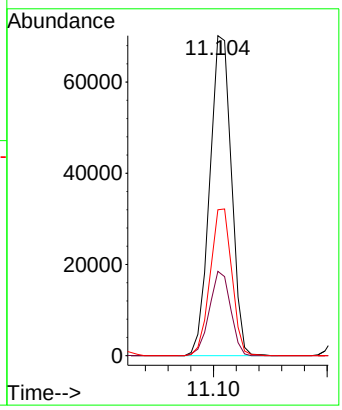


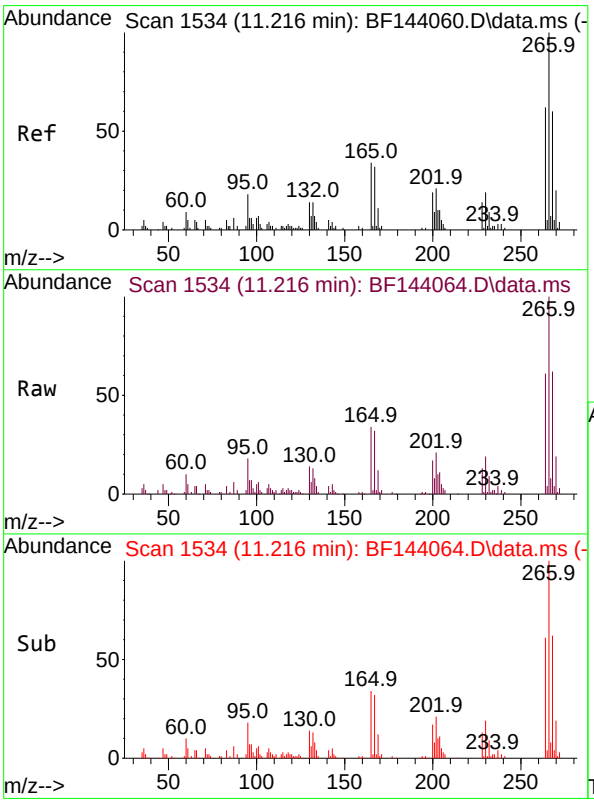
#69
Atrazine
Concen: 67.200 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 93028

Ion	Ratio	Lower	Upper
200	100		
173	26.3	4.9	44.9
215	45.6	28.2	68.2

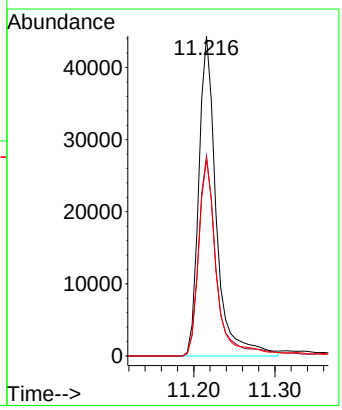


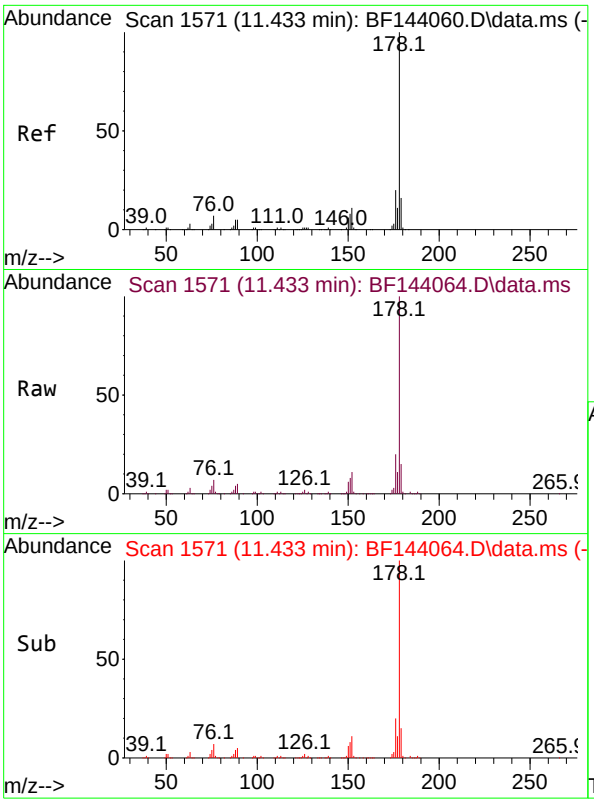


#70
Pentachlorophenol
Concen: 68.842 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:266 Resp: 66439

Ion	Ratio	Lower	Upper
266	100		
268	62.4	48.2	72.4
264	61.4	49.4	74.0



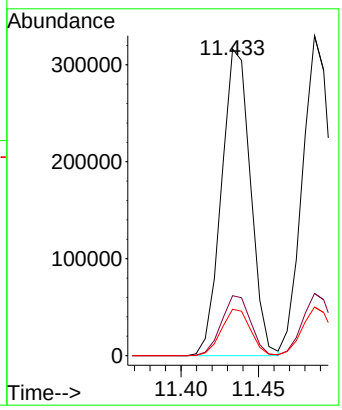


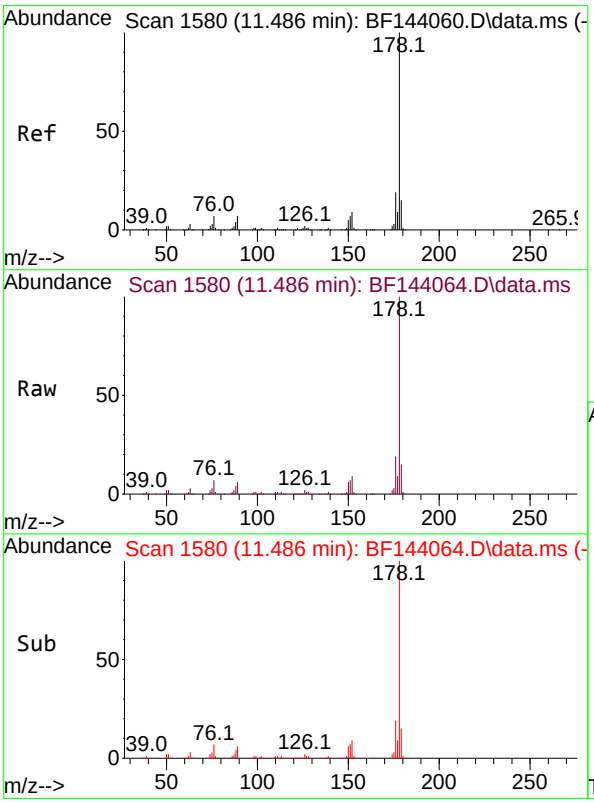
#71
Phenanthrene
Concen: 63.013 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 413305

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.1	12.6	18.8

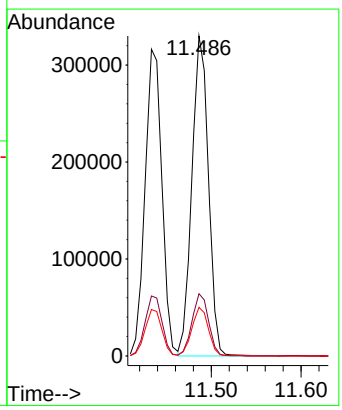


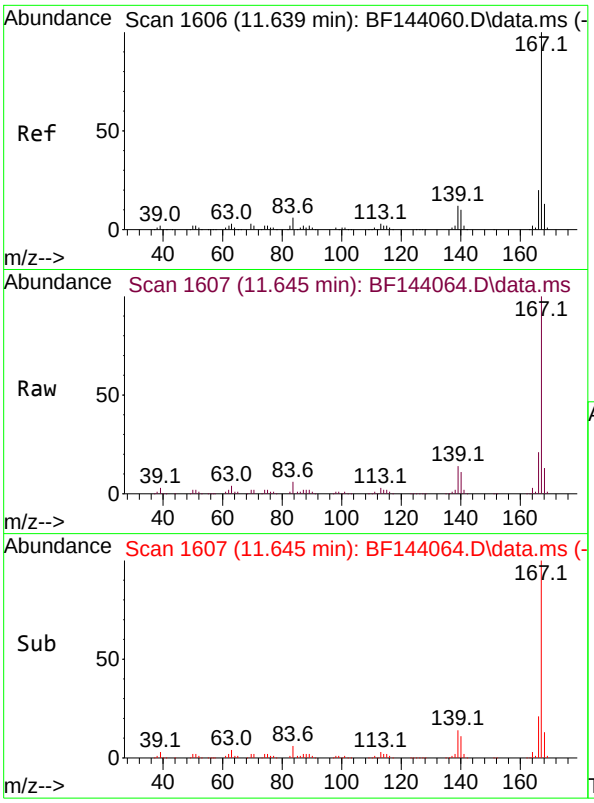


#72
Anthracene
Concen: 62.266 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:178 Resp: 421890

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	15.2	11.8	17.6



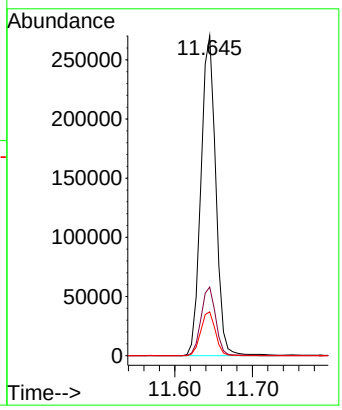


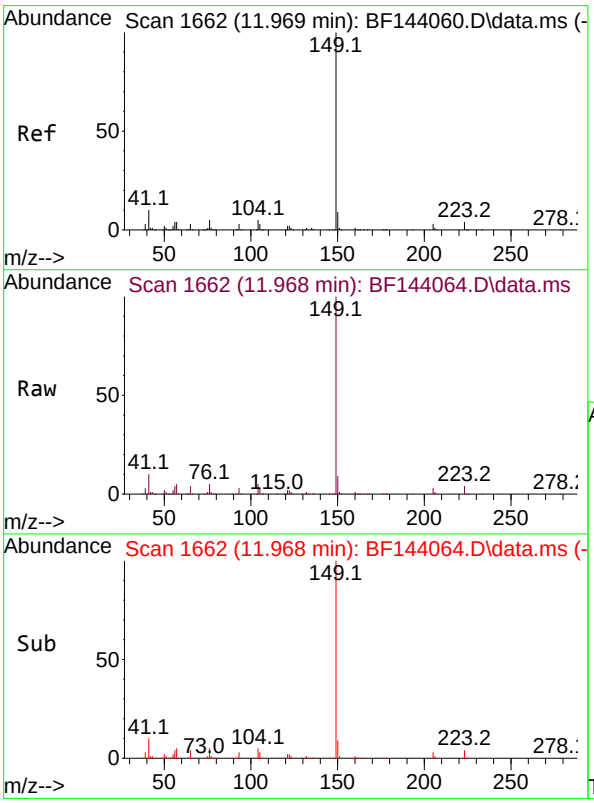
#73
Carbazole
Concen: 62.276 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 359155

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.1	24.1
139	13.7	9.8	14.6

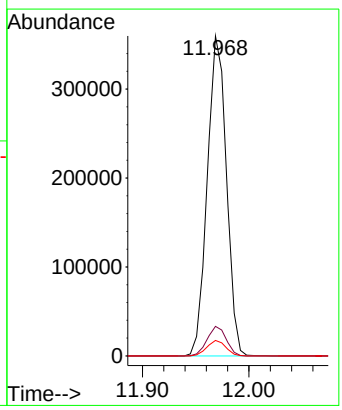


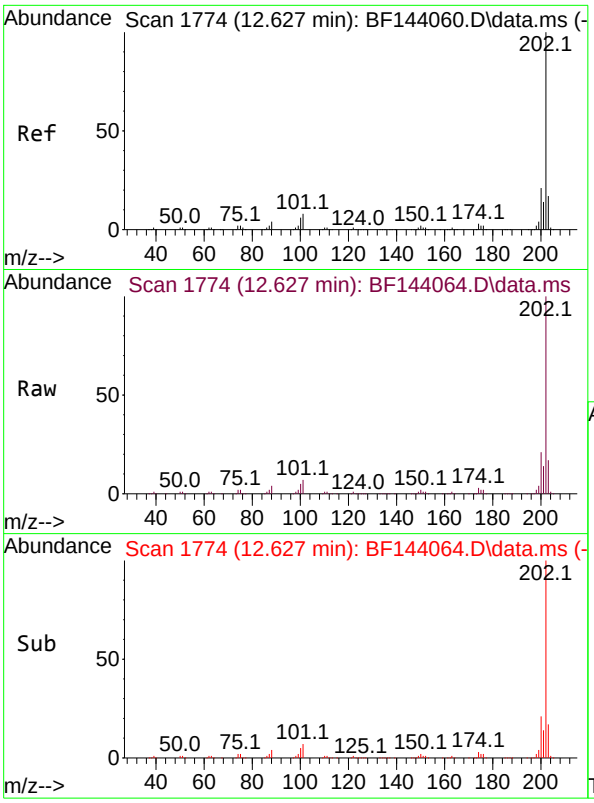


#74
Di-n-butylphthalate
Concen: 63.601 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:149 Resp: 449708

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.8	3.6	5.4



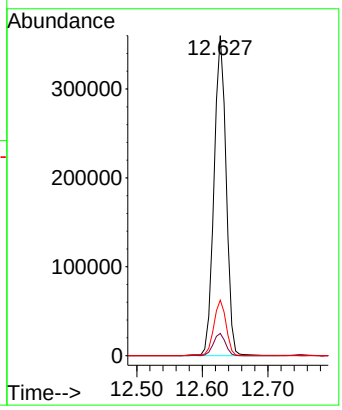


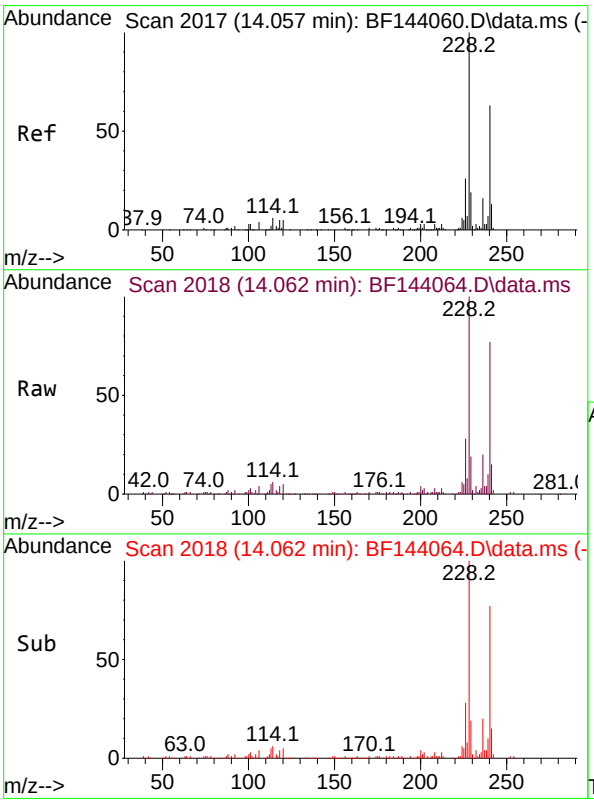
#75
Fluoranthene
Concen: 63.767 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 462087

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	27.7
203	17.3	0.0	37.3

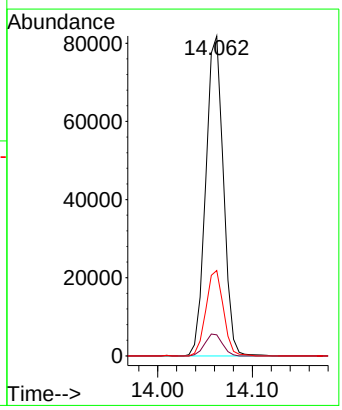


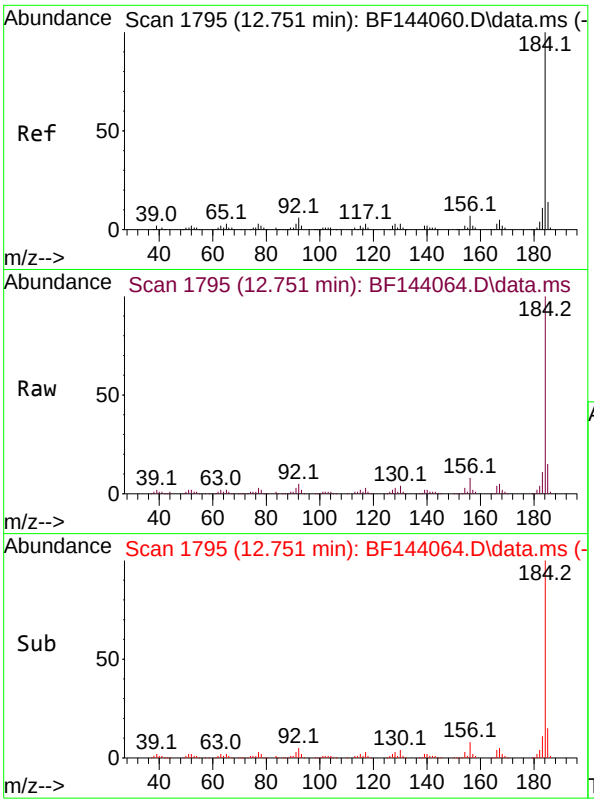


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:240 Resp: 106050

Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	26.7	20.1	30.1



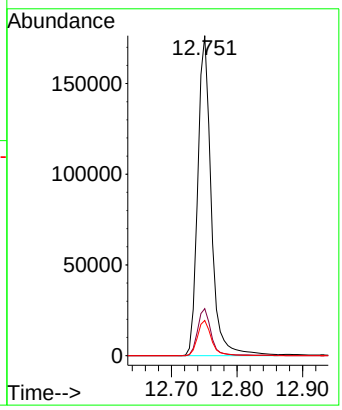


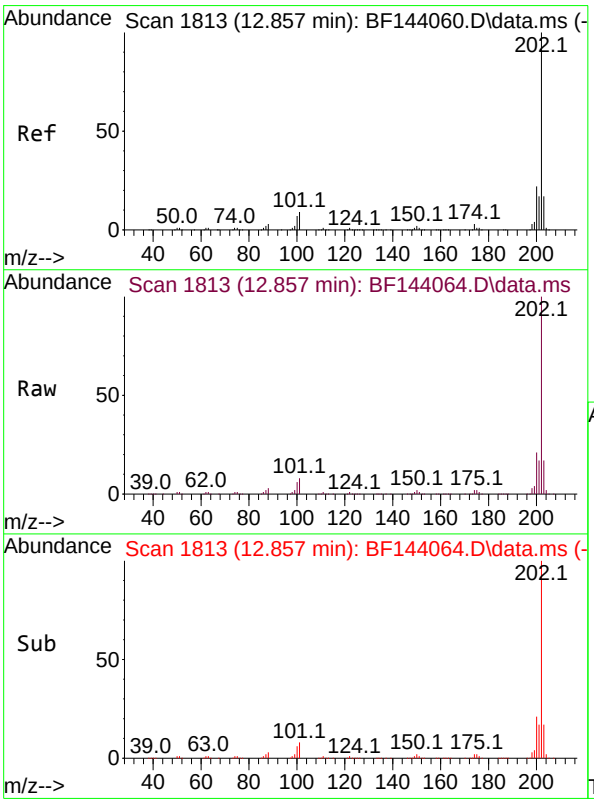
#77
Benzidine
Concen: 75.863 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 250383

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	11.0	8.5	12.7

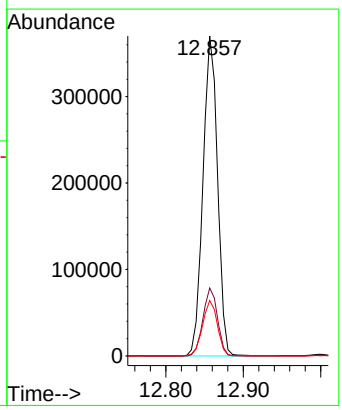


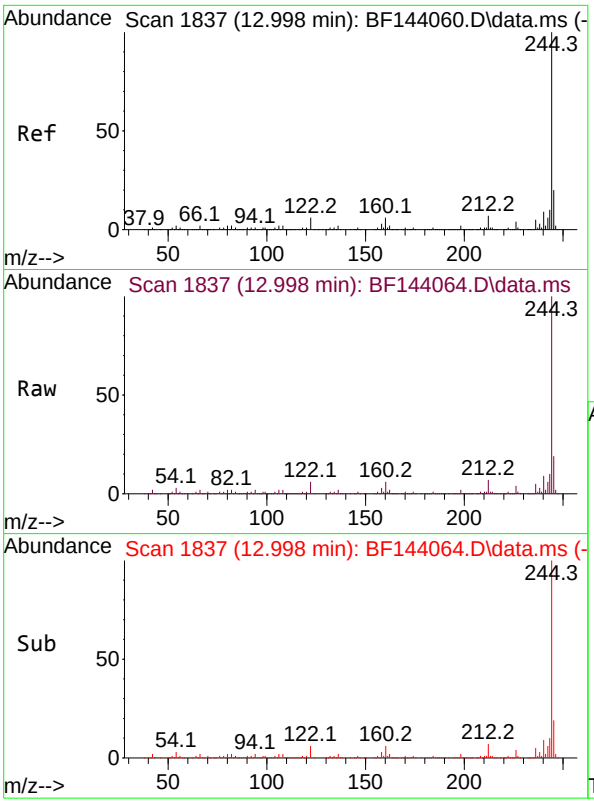


#78
Pyrene
Concen: 63.369 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:202 Resp: 483140

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.3	13.5	20.3



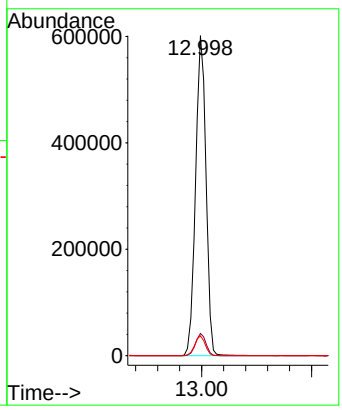


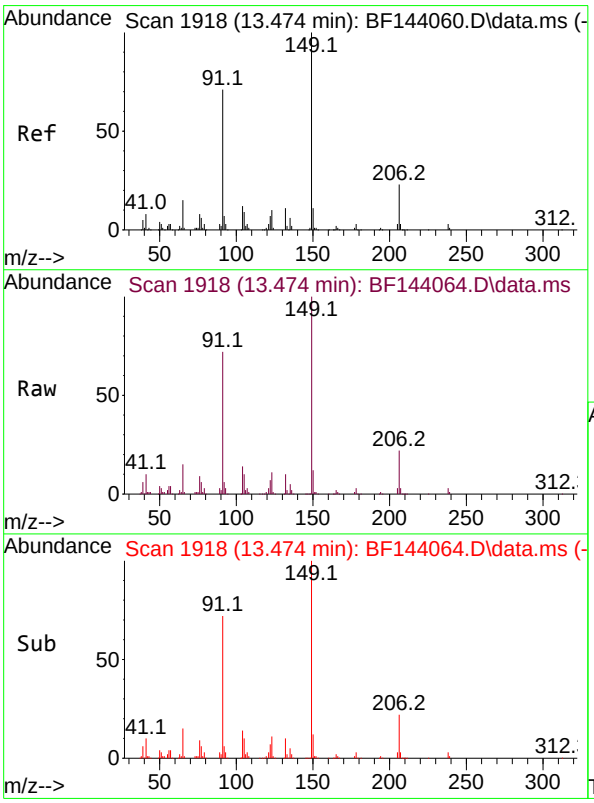
#79
Terphenyl-d14
Concen: 130.186 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 789728

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	6.2	4.9	7.3

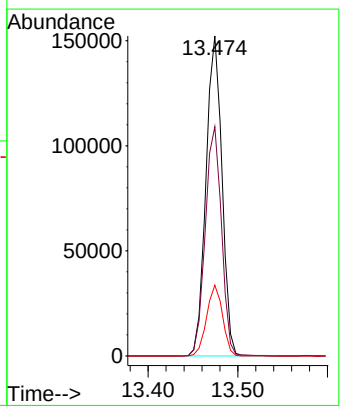


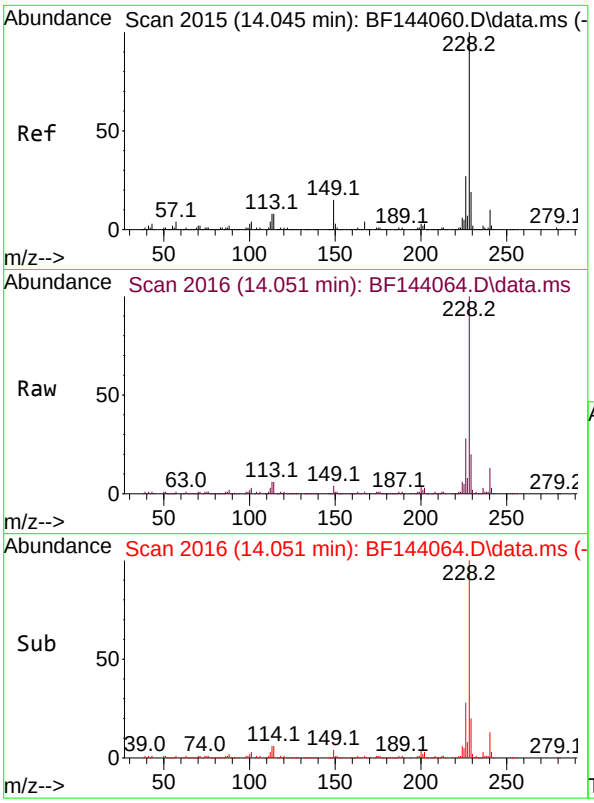


#80
Butylbenzylphthalate
Concen: 65.668 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:149 Resp: 189412

Ion	Ratio	Lower	Upper
149	100		
91	71.6	56.6	84.8
206	22.1	18.3	27.5



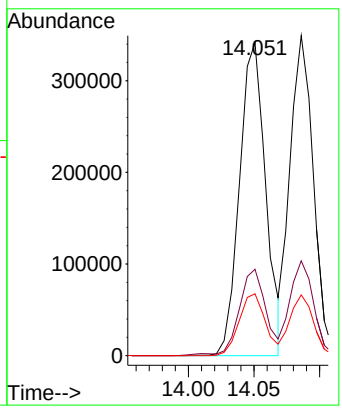


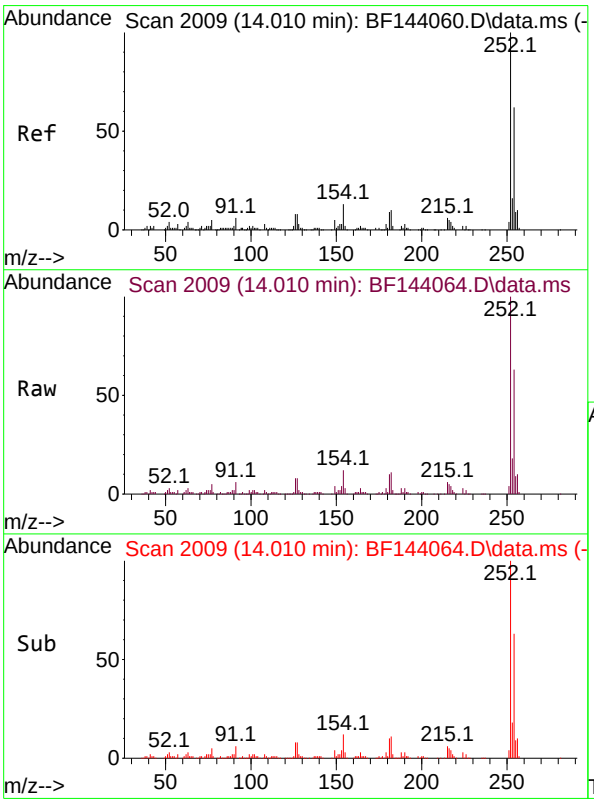
#81
Benzo(a)anthracene
Concen: 66.219 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 474589

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	19.7	15.3	22.9

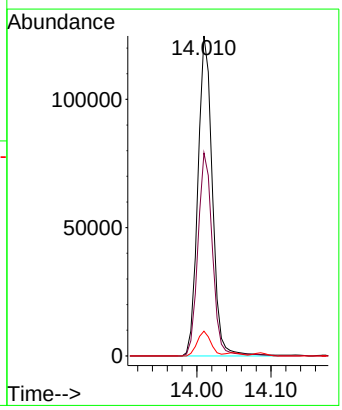


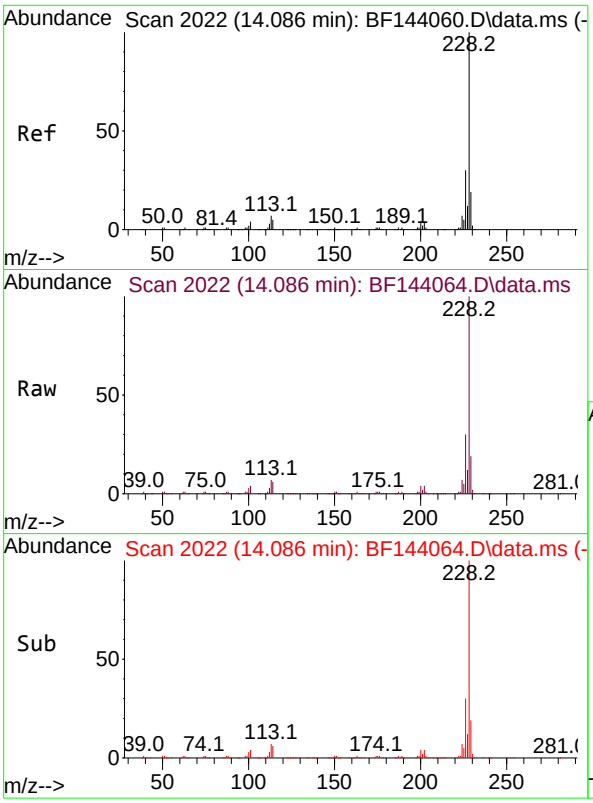


#82
3,3'-Dichlorobenzidine
Concen: 67.487 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:252 Resp: 168368

Ion	Ratio	Lower	Upper
252	100		
254	63.4	49.9	74.9
126	7.7	6.5	9.7



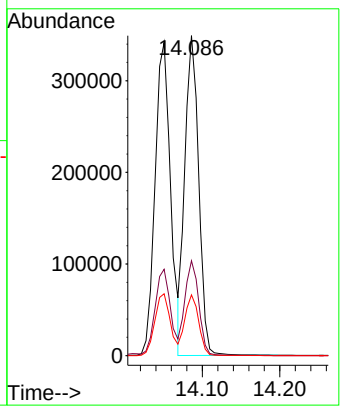


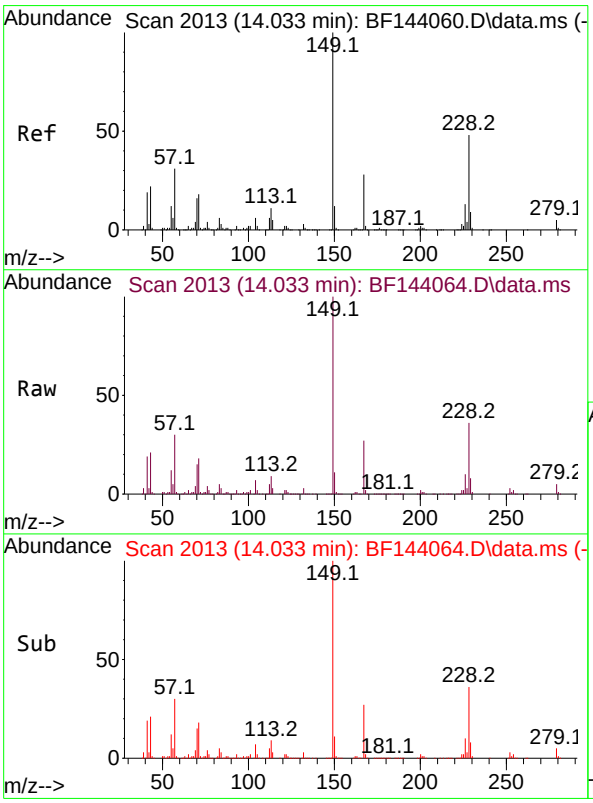
#83
Chrysene
Concen: 64.608 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 434514

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	19.0	15.6	23.4

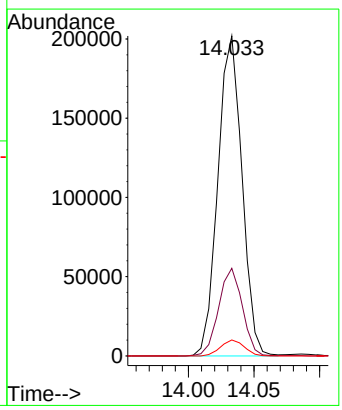


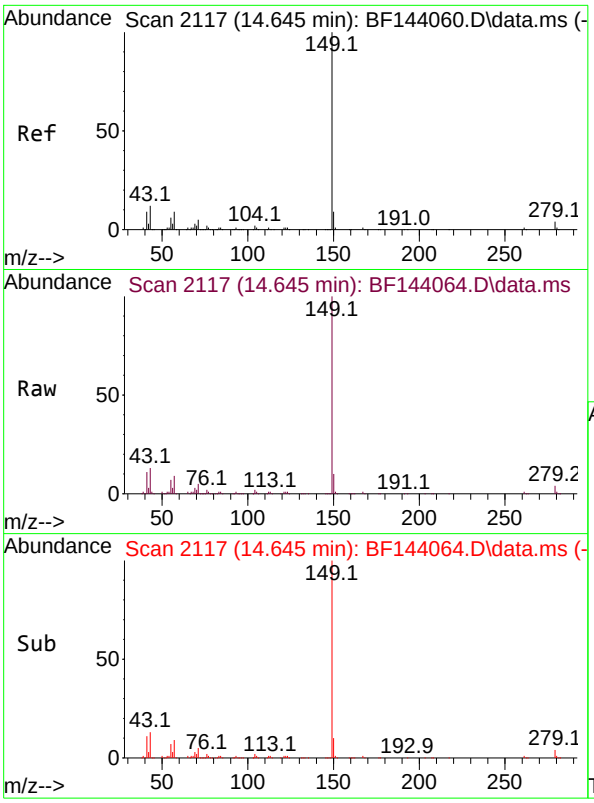


#84
Bis(2-ethylhexyl)phthalate
Concen: 65.663 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:149 Resp: 258560

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.5	33.7
279	5.0	3.6	5.4



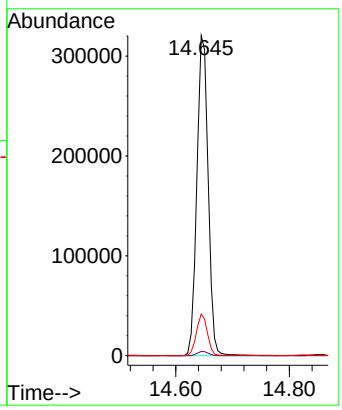


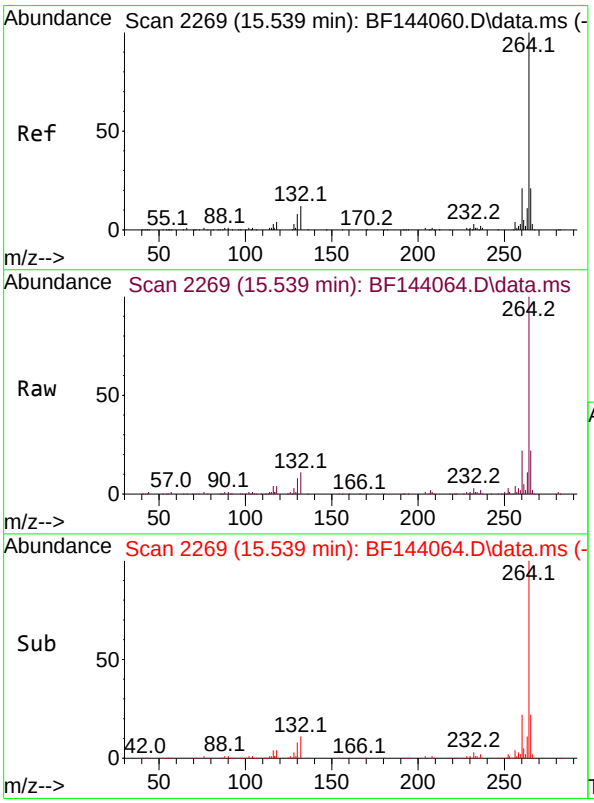
#85
Di-n-octyl phthalate
Concen: 64.942 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 439771

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.2	1.8
43	12.7	9.3	13.9

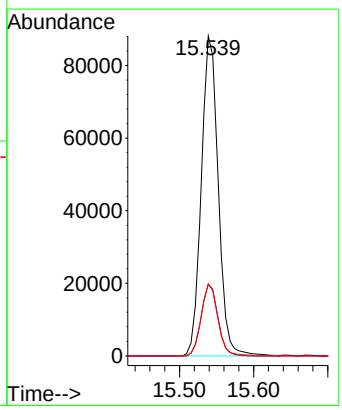


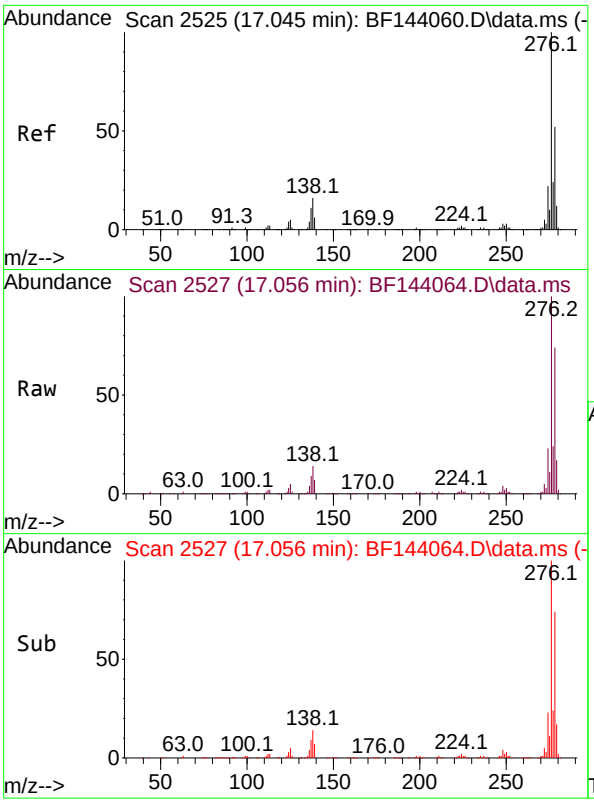


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:264 Resp: 140075

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.0	25.4
265	22.5	16.6	24.8



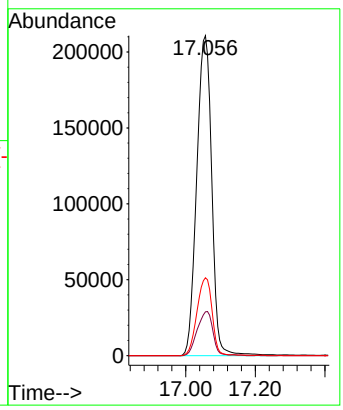


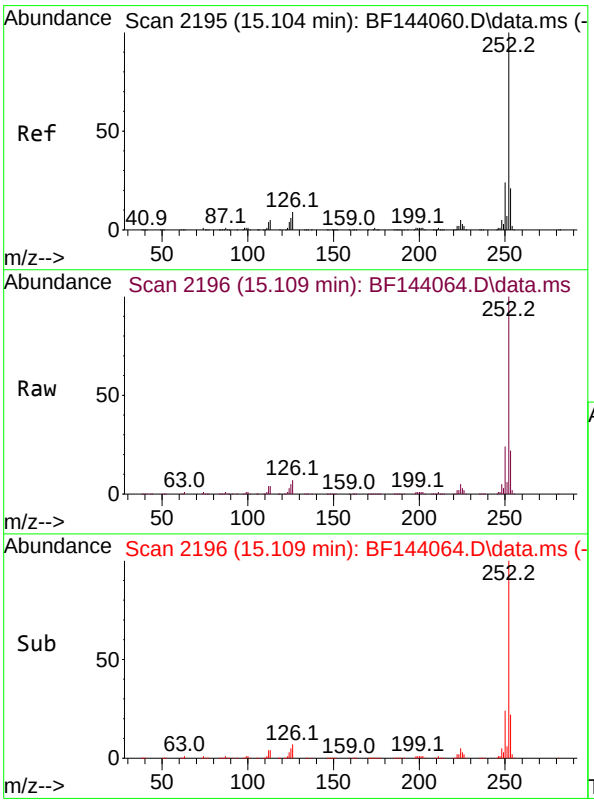
#87
Indeno(1,2,3-cd)pyrene
Concen: 65.606 ng
RT: 17.056 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 630927

Ion	Ratio	Lower	Upper
276	100		
138	14.2	13.0	19.6
277	24.4	19.4	29.0

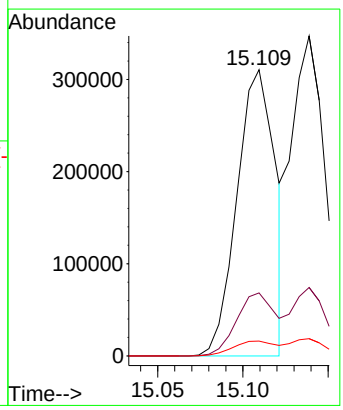


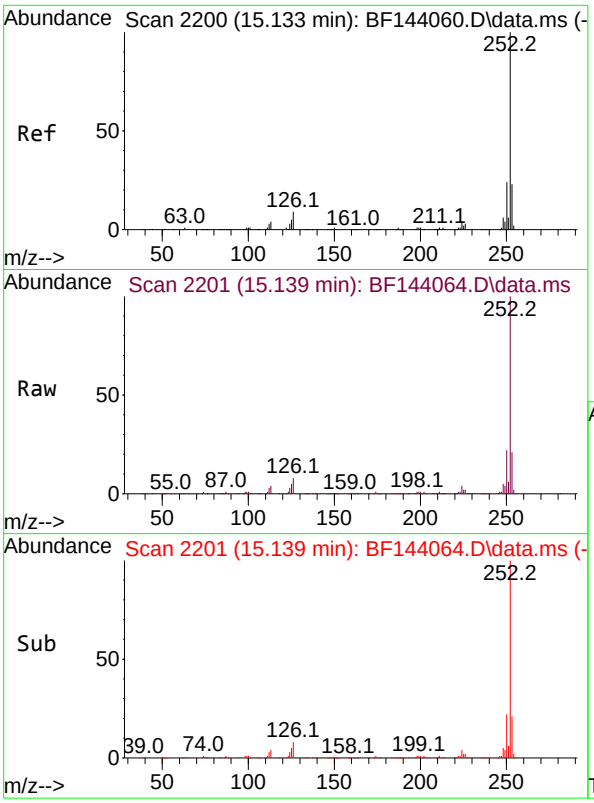


#88
Benzo(b)fluoranthene
Concen: 61.071 ng
RT: 15.109 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:252 Resp: 483612

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	5.2	5.0	7.6



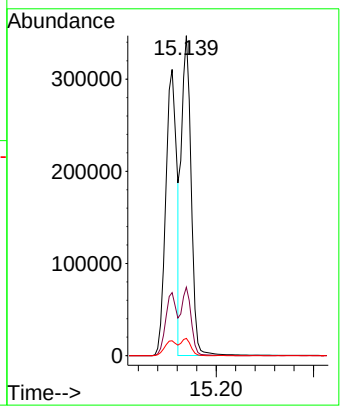


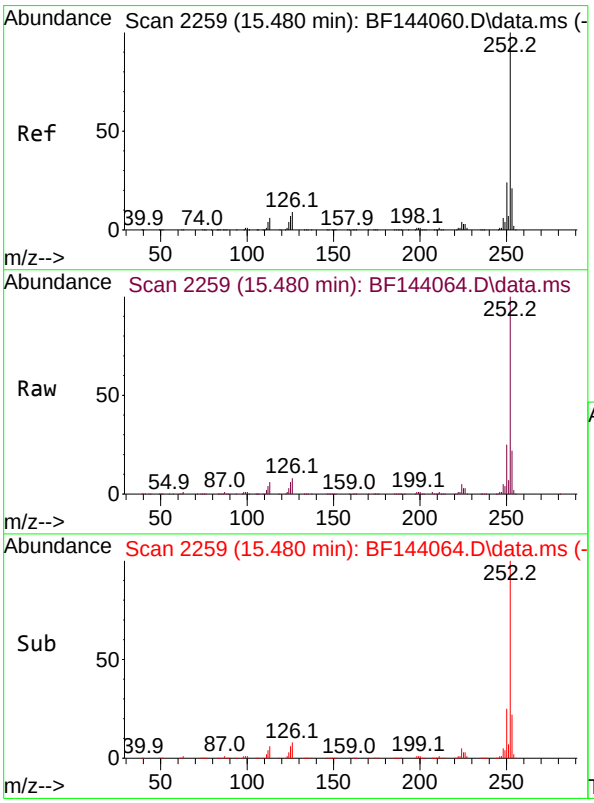
#89
Benzo(k)fluoranthene
Concen: 66.551 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 486238

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	5.4	4.9	7.3

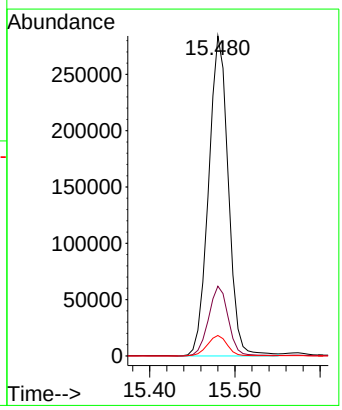


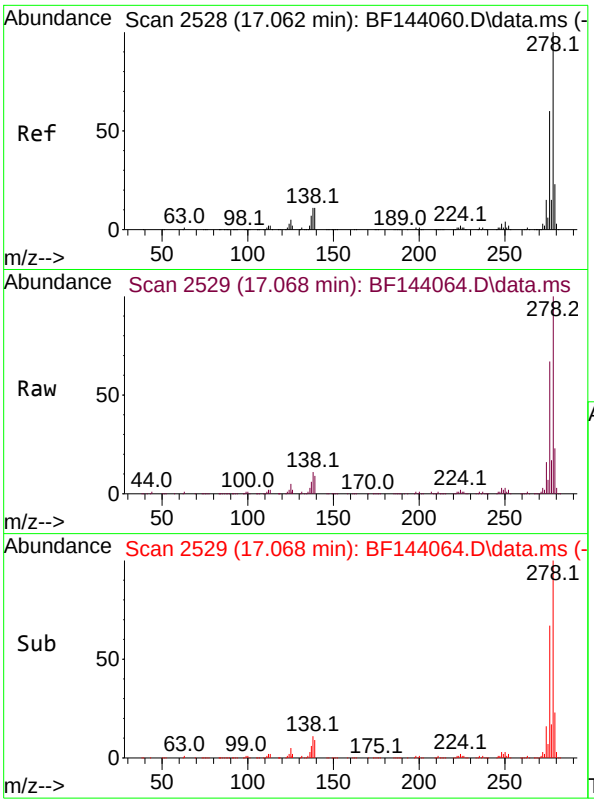


#90
Benzo(a)pyrene
Concen: 64.222 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:252 Resp: 456250

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	6.4	5.4	8.2



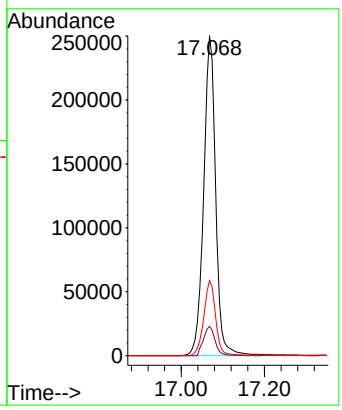


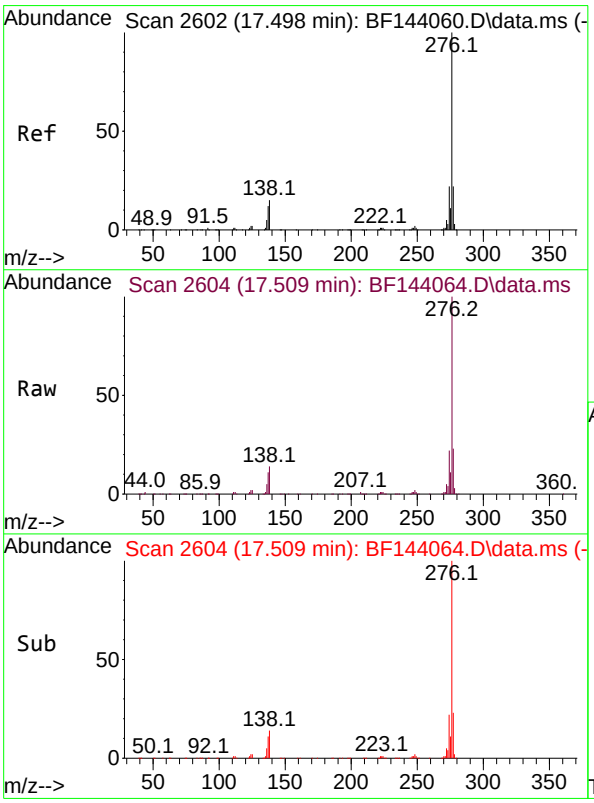
#91
Dibenzo(a,h)anthracene
Concen: 65.994 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 502376

Ion	Ratio	Lower	Upper
278	100		
139	9.1	8.5	12.7
279	23.4	18.6	28.0

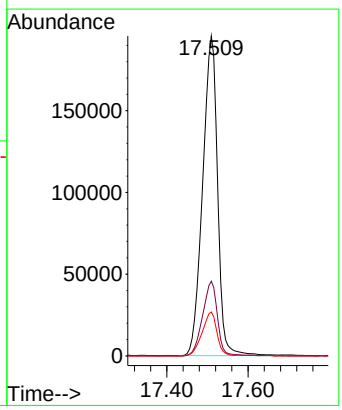




#92
Benzo(g,h,i)perylene
Concen: 65.439 ng
RT: 17.509 min Scan# 2604
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:276 Resp: 500846

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	13.7	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	39660	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	138565	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	76145	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	127305	20.000	ng		0.00
76) Chrysene-d12	14.057	240	97298	20.000	ng		0.00
86) Perylene-d12	15.539	264	122912	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	176184	70.283	ng		0.00
7) Phenol-d6	6.504	99	190899	68.955	ng		0.00
23) Nitrobenzene-d5	7.440	82	178800	70.696	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	66490	68.551	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	366420	67.717	ng		0.00
79) Terphenyl-d14	12.998	244	409300	73.542	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	38586	35.621	ng		94
3) Pyridine	3.405	79	94470	32.576	ng		96
4) n-Nitrosodimethylamine	3.346	42	65742	36.893	ng		93
6) Aniline	6.540	93	143853	36.320	ng		98
8) 2-Chlorophenol	6.663	128	82897	33.579	ng		98
9) Benzaldehyde	6.434	77	74914	34.852	ng		98
10) Phenol	6.516	94	119040	34.853	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	83544	33.851	ng		98
12) 1,3-Dichlorobenzene	6.822	146	112585	36.971	ng		99
13) 1,4-Dichlorobenzene	6.898	146	111592	37.183	ng		99
14) 1,2-Dichlorobenzene	7.051	146	104166	35.872	ng		99
15) Benzyl Alcohol	7.016	79	81782	36.330	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	160104	34.517	ng		100
17) 2-Methylphenol	7.128	107	66743	35.152	ng		96
18) Hexachloroethane	7.392	117	37228	34.696	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	62662	35.002	ng		99
20) 3+4-Methylphenols	7.281	107	81018	36.095	ng		92
22) Acetophenone	7.287	105	115151	38.453	ng		97
24) Nitrobenzene	7.457	77	98332	36.753	ng		97
25) Isophorone	7.698	82	160608	36.322	ng		100
26) 2-Nitrophenol	7.775	139	46278	36.360	ng		95
27) 2,4-Dimethylphenol	7.810	122	74530	39.405	ng		97
28) bis(2-Chloroethoxy)met...	7.904	93	97014	35.182	ng		97
29) 2,4-Dichlorophenol	8.016	162	78967	35.901	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	87660	38.739	ng		99
31) Naphthalene	8.181	128	234353	35.834	ng		99
32) Benzoic acid	7.922	122	52854	44.054	ng		88
33) 4-Chloroaniline	8.234	127	94319	41.428	ng		99
34) Hexachlorobutadiene	8.298	225	70793	38.260	ng		97
35) Caprolactam	8.587	113	19488	35.331	ng	#	84
36) 4-Chloro-3-methylphenol	8.710	107	70096	36.112	ng		94
37) 2-Methylnaphthalene	8.875	142	143296	33.233	ng		94
38) 1-Methylnaphthalene	8.975	142	146838	35.945	ng		97
40) 1,2,4,5-Tetrachloroben...	9.039	216	91910	35.121	ng		99
41) Hexachlorocyclopentadiene	9.028	237	39270	48.585	ng		94
43) 2,4,6-Trichlorophenol	9.151	196	57810	33.986	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

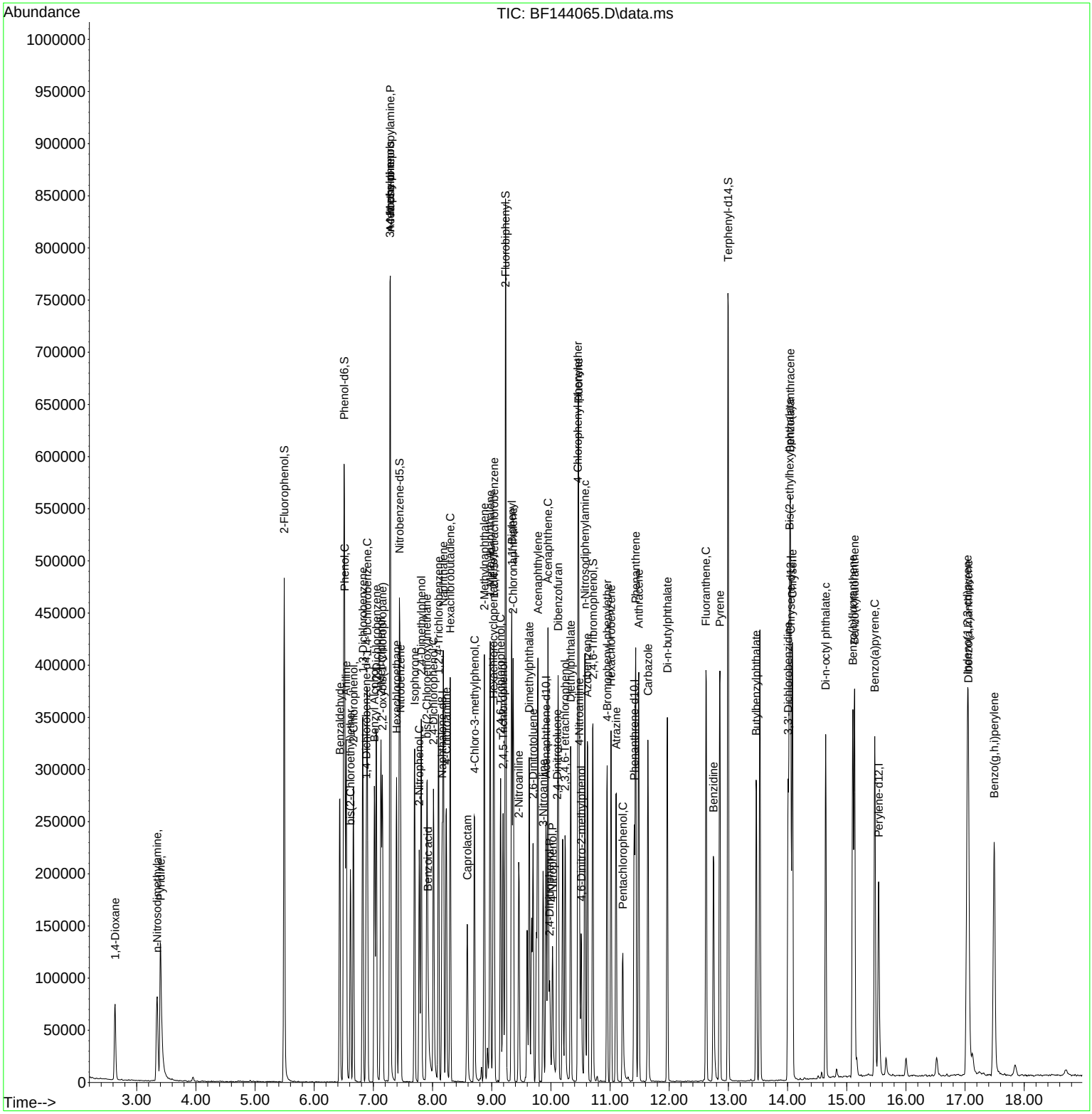
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	64300	36.018	ng		94
46) 1,1'-Biphenyl	9.339	154	192660	35.345	ng		99
47) 2-Chloronaphthalene	9.363	162	159410	34.908	ng		99
48) 2-Nitroaniline	9.457	65	49659	36.621	ng		95
49) Acenaphthylene	9.781	152	243055	39.474	ng		99
50) Dimethylphthalate	9.634	163	170189	34.098	ng		99
51) 2,6-Dinitrotoluene	9.698	165	34990	35.461	ng		96
52) Acenaphthene	9.951	154	144520	35.145	ng		99
53) 3-Nitroaniline	9.869	138	39278	35.804	ng		98
54) 2,4-Dinitrophenol	9.981	184	21935	41.102	ng		94
55) Dibenzofuran	10.122	168	194900	34.140	ng		98
56) 4-Nitrophenol	10.028	139	28418	38.254	ng		95
57) 2,4-Dinitrotoluene	10.104	165	49275	37.002	ng		96
58) Fluorene	10.469	166	151653	34.864	ng		96
59) 2,3,4,6-Tetrachlorophenol	10.239	232	49354	39.232	ng	#	96
60) Diethylphthalate	10.333	149	166357	35.442	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	86789	35.479	ng		99
62) 4-Nitroaniline	10.481	138	35087	33.756	ng		90
63) Azobenzene	10.616	77	161807	36.422	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	30929	37.867	ng		97
66) n-Nitrosodiphenylamine	10.575	169	146733	36.075	ng		98
67) 4-Bromophenyl-phenylether	10.951	248	56286	35.313	ng		96
68) Hexachlorobenzene	11.016	284	70184	35.903	ng		98
69) Atrazine	11.104	200	48908	36.643	ng		99
70) Pentachlorophenol	11.216	266	30927	33.237	ng		95
71) Phenanthrene	11.433	178	228423	36.120	ng		98
72) Anthracene	11.486	178	233757	35.782	ng		99
73) Carbazole	11.639	167	196006	35.250	ng		98
74) Di-n-butylphthalate	11.969	149	245199	35.967	ng		100
75) Fluoranthene	12.622	202	244043	34.929	ng		99
77) Benzidine	12.745	184	146518	48.386	ng		99
78) Pyrene	12.857	202	246902	35.297	ng		100
80) Butylbenzylphthalate	13.469	149	94583	35.741	ng		98
81) Benzo(a)anthracene	14.045	228	234218	35.620	ng		98
82) 3,3'-Dichlorobenzidine	14.010	252	97608	42.643	ng		99
83) Chrysene	14.080	228	224422	36.371	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	130456	36.110	ng		98
85) Di-n-octyl phthalate	14.645	149	218335	35.142	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.039	276	302575	35.856	ng		100
88) Benzo(b)fluoranthene	15.104	252	234274	33.715	ng		99
89) Benzo(k)fluoranthene	15.133	252	240517	37.516	ng		99
90) Benzo(a)pyrene	15.474	252	229237	36.773	ng		99
91) Dibenzo(a,h)anthracene	17.057	278	240551	36.012	ng		98
92) Benzo(g,h,i)perylene	17.492	276	248094	36.942	ng		98

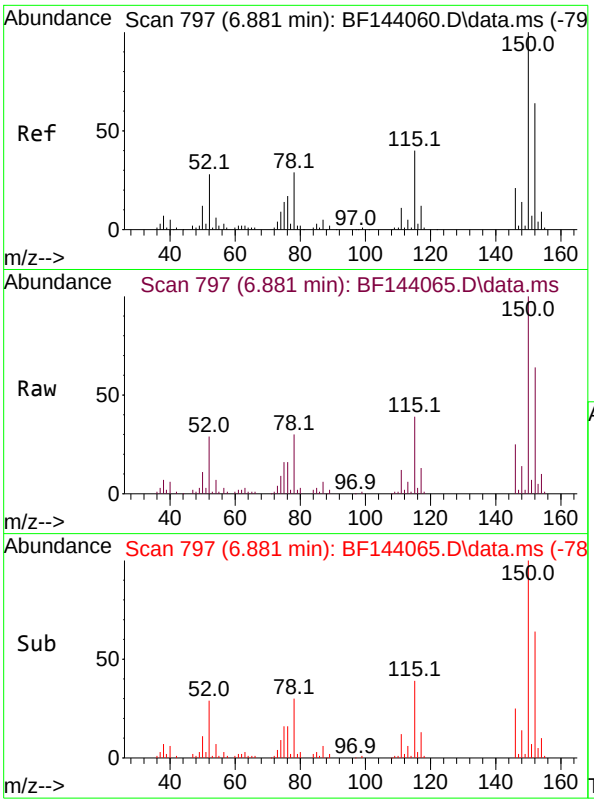
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



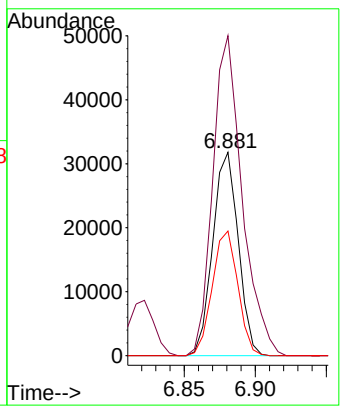


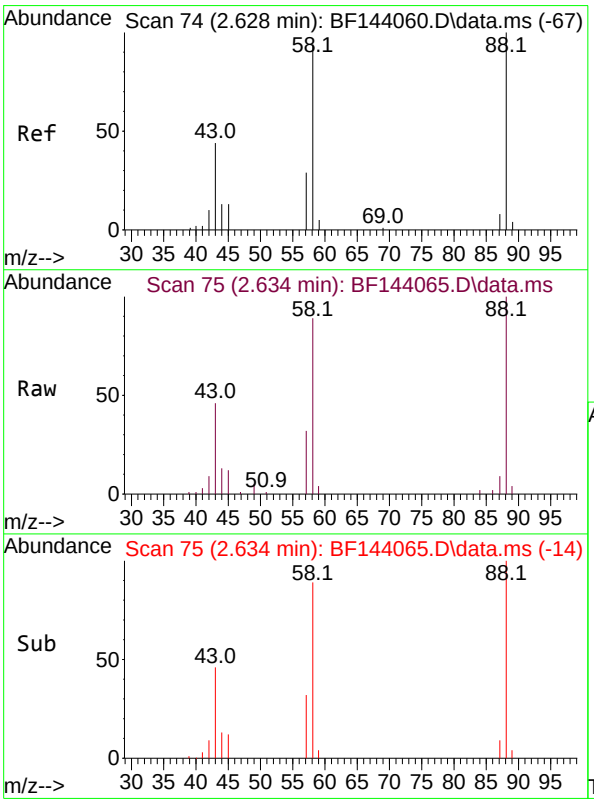
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:152 Resp: 39660

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.4	186.6
115	61.2	49.4	74.0

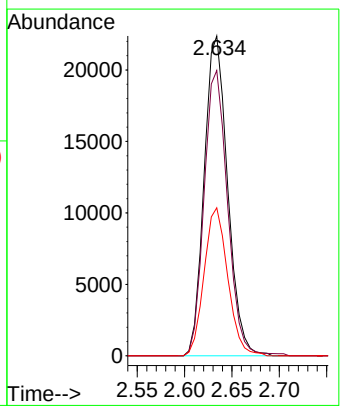


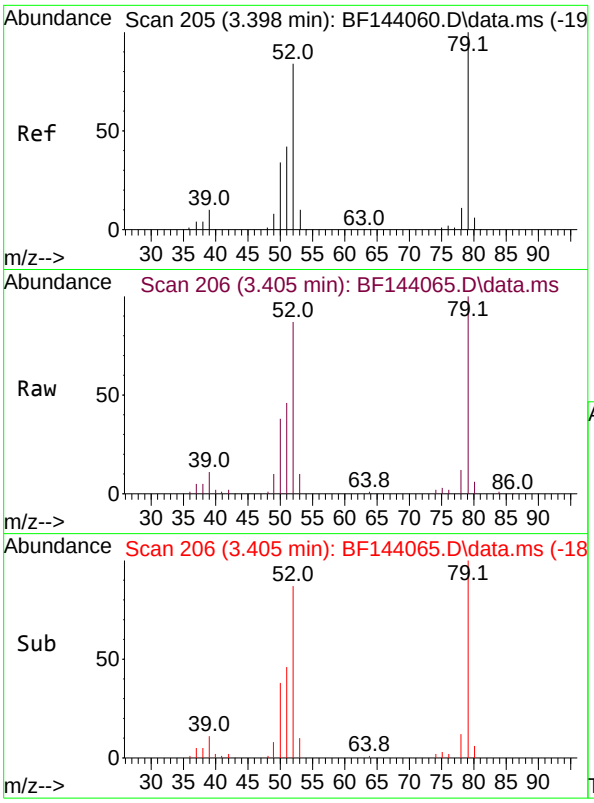


#2
1,4-Dioxane
Concen: 35.621 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 88 Resp: 38586

Ion	Ratio	Lower	Upper
88	100		
58	89.3	76.5	114.7
43	46.7	35.3	52.9



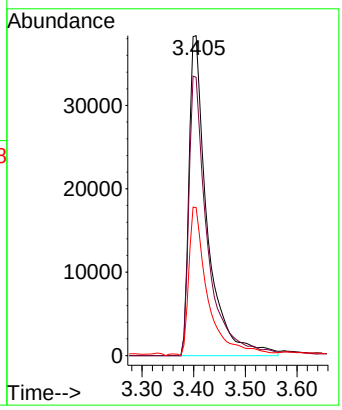


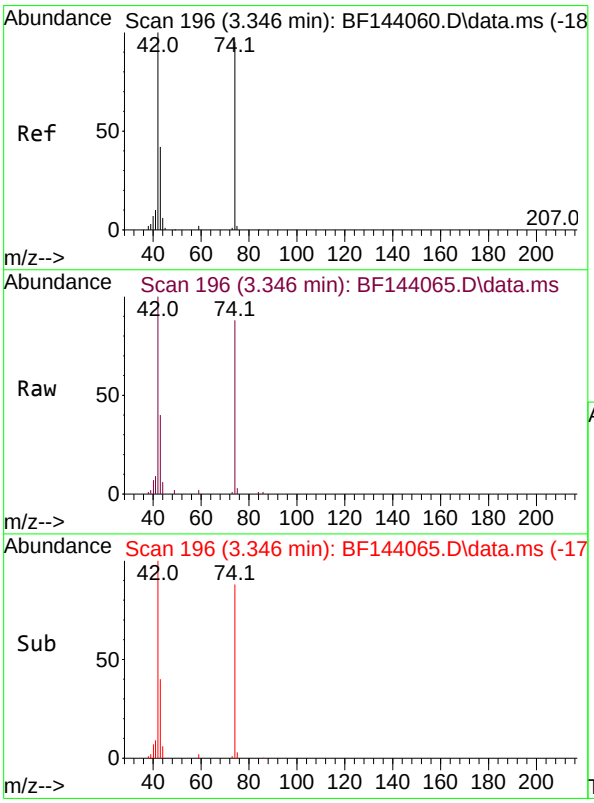
#3
Pyridine
Concen: 32.576 ng
RT: 3.405 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 79 Resp: 94470

Ion	Ratio	Lower	Upper
79	100		
52	87.0	67.5	101.3
51	46.3	33.6	50.4

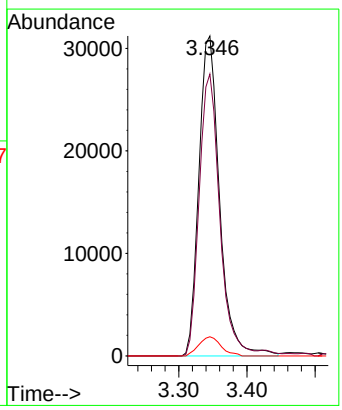


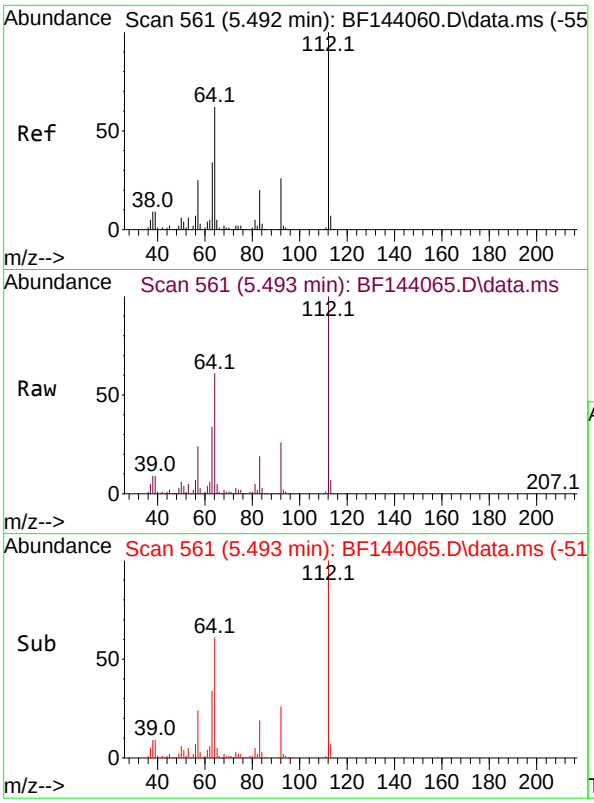


#4
n-Nitrosodimethylamine
Concen: 36.893 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 42 Resp: 65742

Ion	Ratio	Lower	Upper
42	100		
74	88.1	76.4	114.6
44	6.0	5.2	7.8



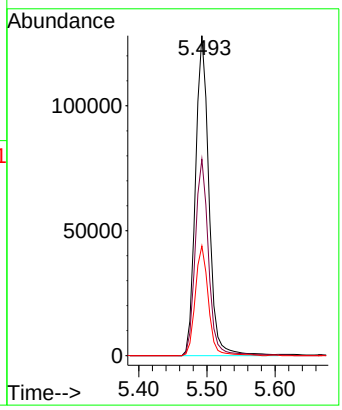


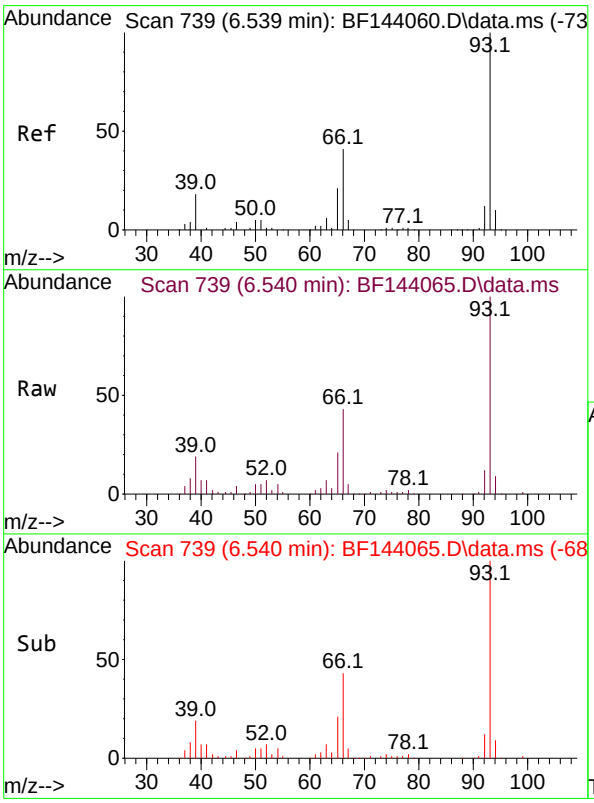
#5
2-Fluorophenol
Concen: 70.283 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:112 Resp: 176184

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.8	74.8
63	34.3	27.4	41.2

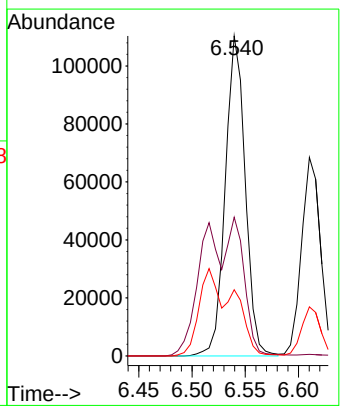


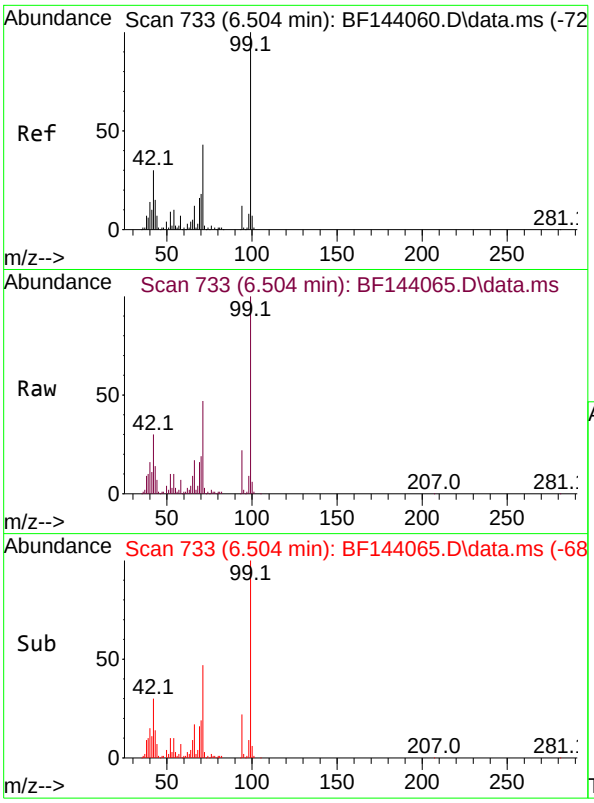


#6
Aniline
Concen: 36.320 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 93 Resp: 143853

Ion	Ratio	Lower	Upper
93	100		
66	43.3	35.7	53.5
65	20.7	17.0	25.6



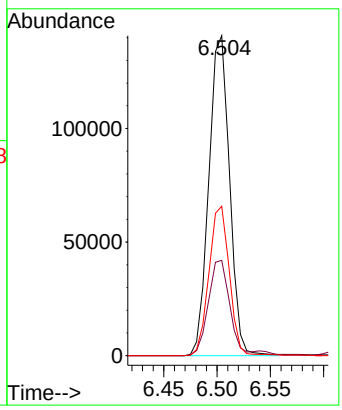


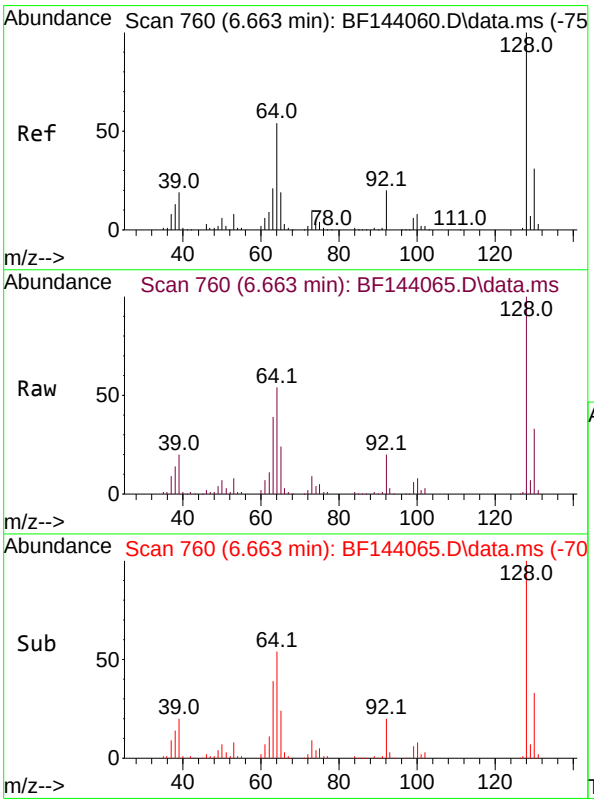
#7
Phenol-d6
Concen: 68.955 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 99 Resp: 190899

Ion	Ratio	Lower	Upper
99	100		
42	29.8	23.9	35.9
71	46.7	34.4	51.6

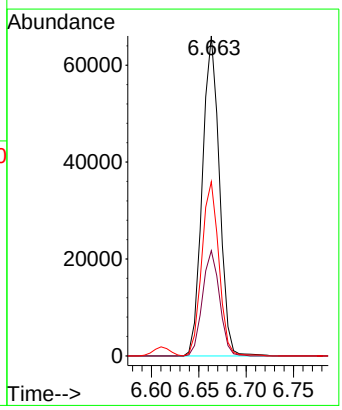


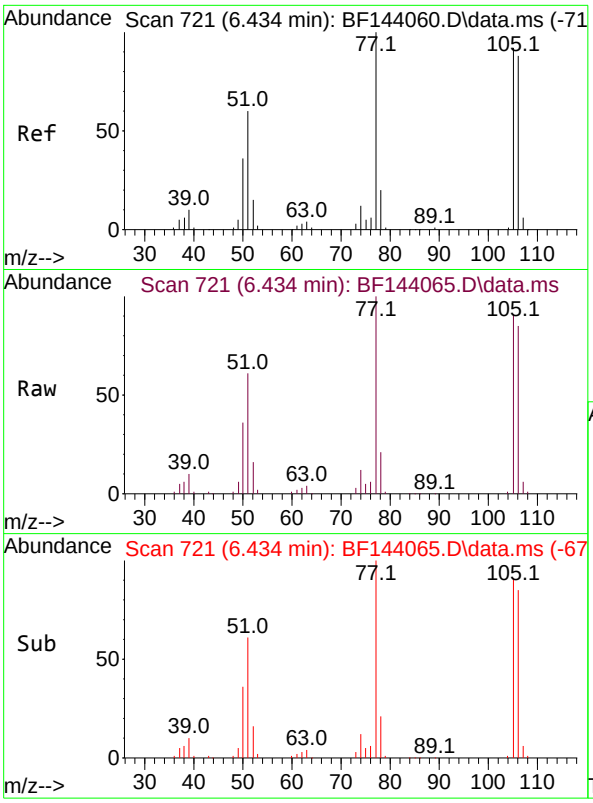


#8
2-Chlorophenol
Concen: 33.579 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:128 Resp: 82897

Ion	Ratio	Lower	Upper
128	100		
130	32.9	10.7	50.7
64	54.4	34.7	74.7



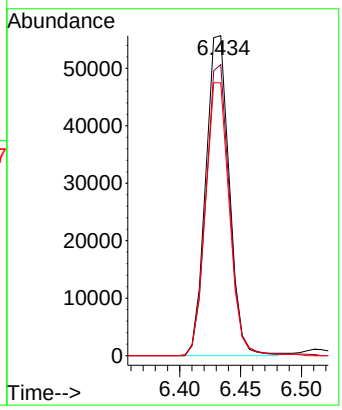


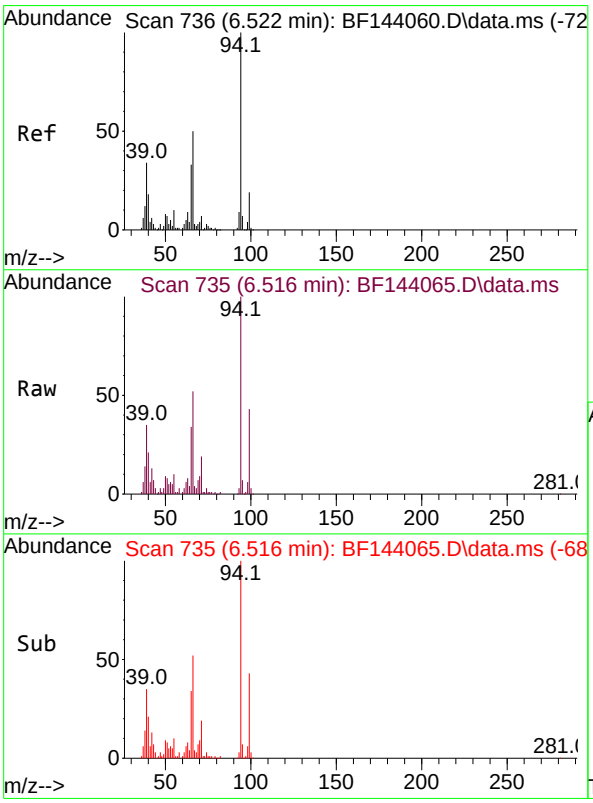
#9
Benzaldehyde
Concen: 34.852 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 77 Resp: 74914

Ion	Ratio	Lower	Upper
77	100		
105	90.9	72.2	112.2
106	85.3	67.9	107.9

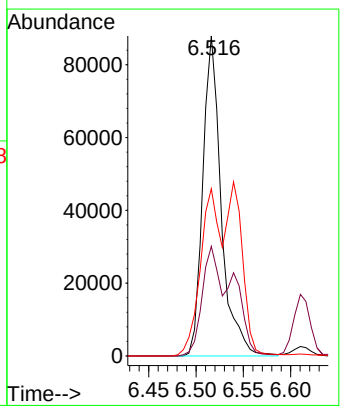


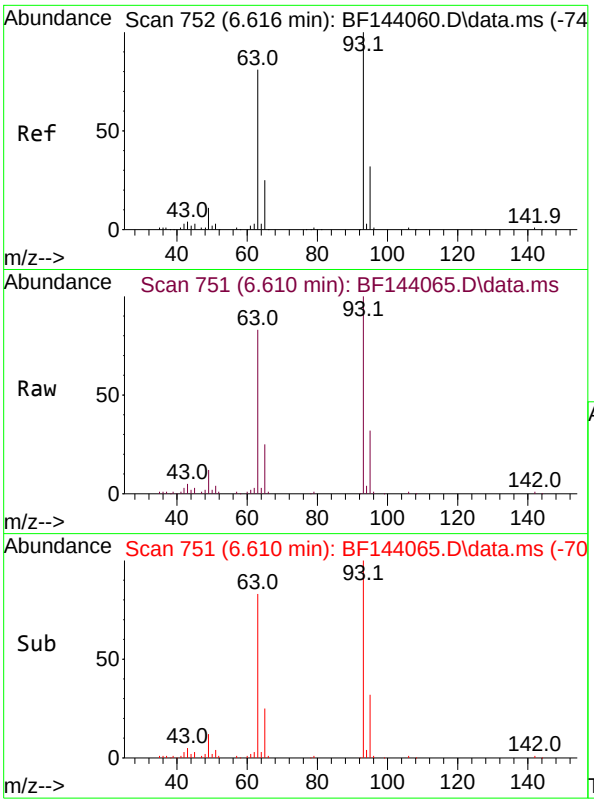


#10
Phenol
Concen: 34.853 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 94 Resp: 119040

Ion	Ratio	Lower	Upper
94	100		
65	34.2	13.1	53.1
66	52.2	30.6	70.6



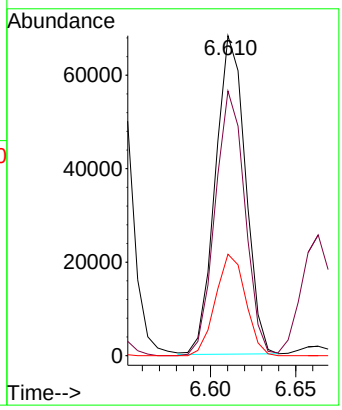


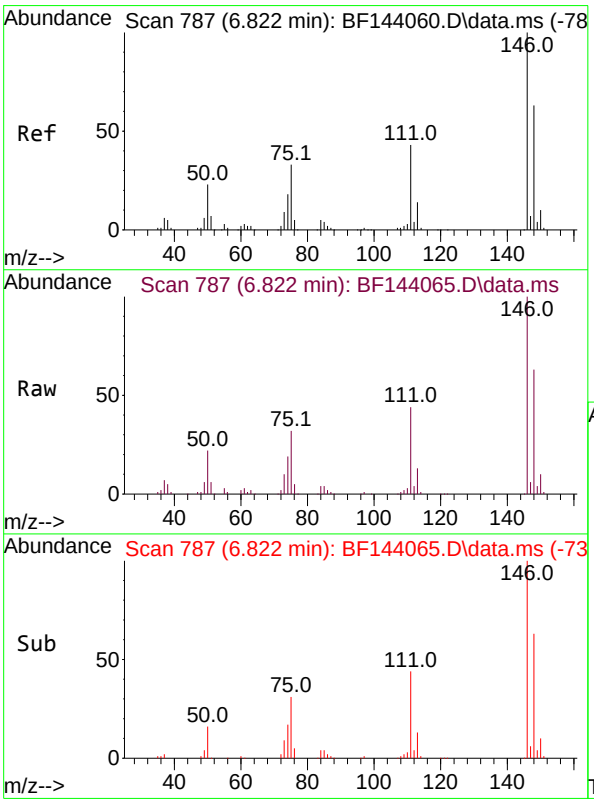
#11
bis(2-Chloroethyl)ether
Concen: 33.851 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 93 Resp: 83544

Ion	Ratio	Lower	Upper
93	100		
63	82.7	60.2	100.2
95	31.7	12.4	52.4

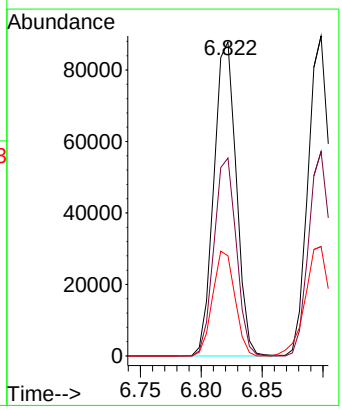


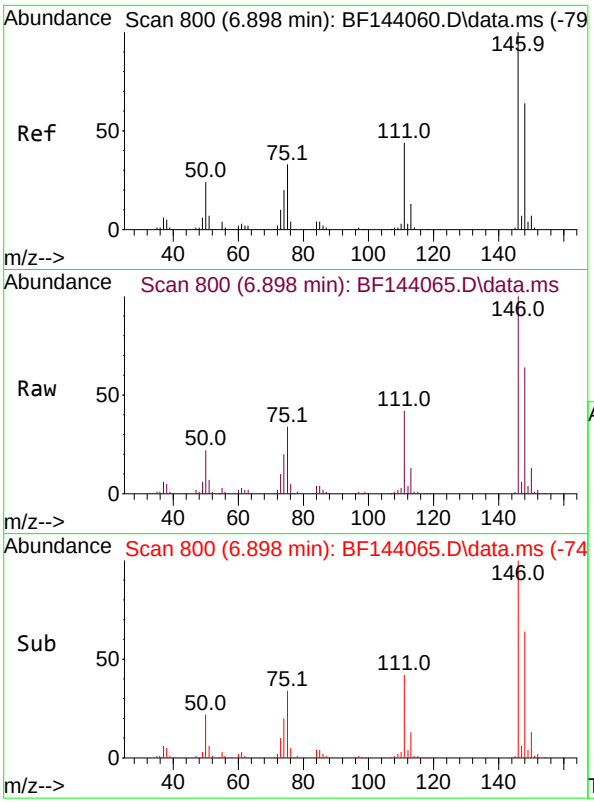


#12
1,3-Dichlorobenzene
Concen: 36.971 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:146 Resp: 112585

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	75.8
75	31.9	26.6	40.0



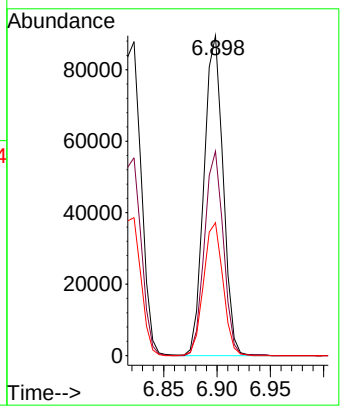


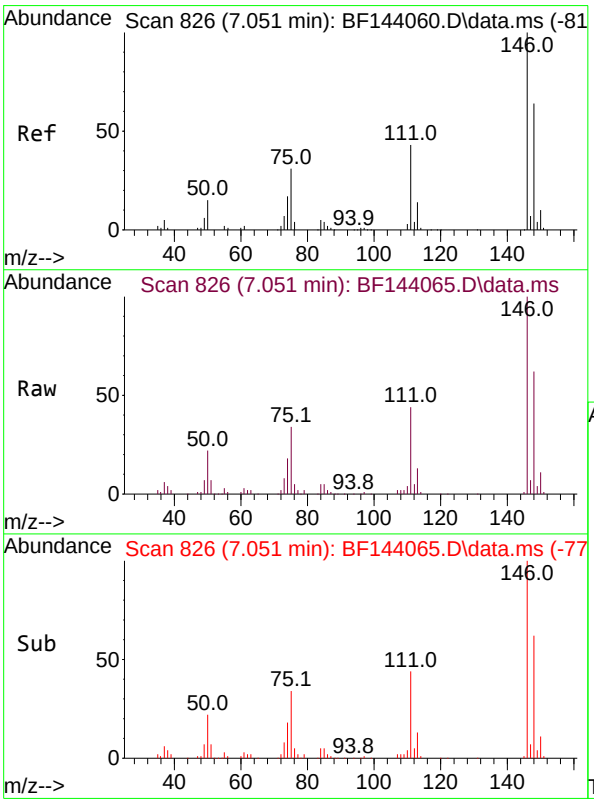
#13
1,4-Dichlorobenzene
Concen: 37.183 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:146 Resp: 111592

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	41.5	35.0	52.6

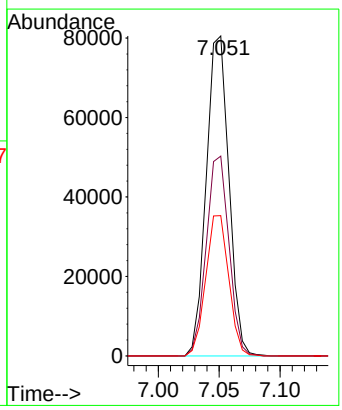


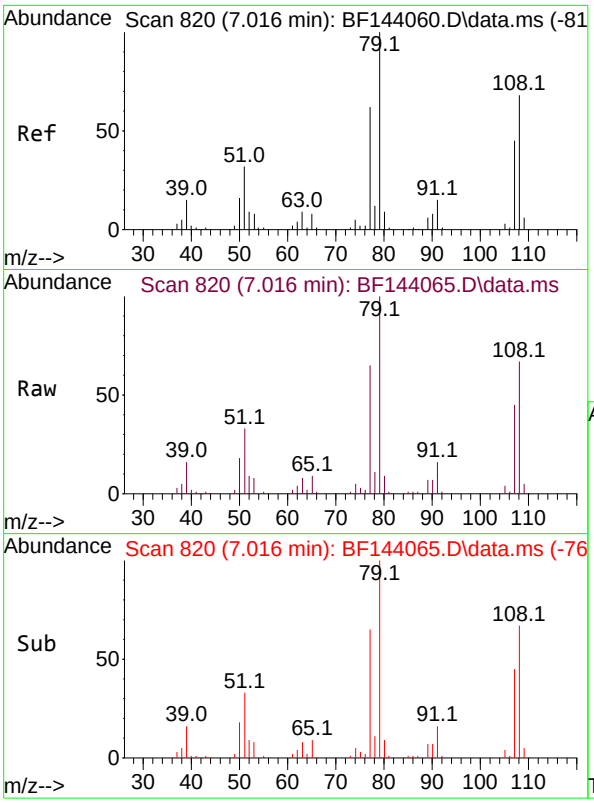


#14
1,2-Dichlorobenzene
Concen: 35.872 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:146 Resp: 104166

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.8	76.2
111	43.8	34.7	52.1



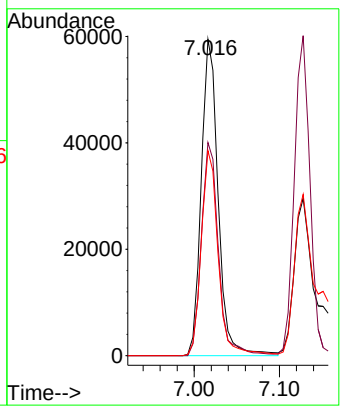


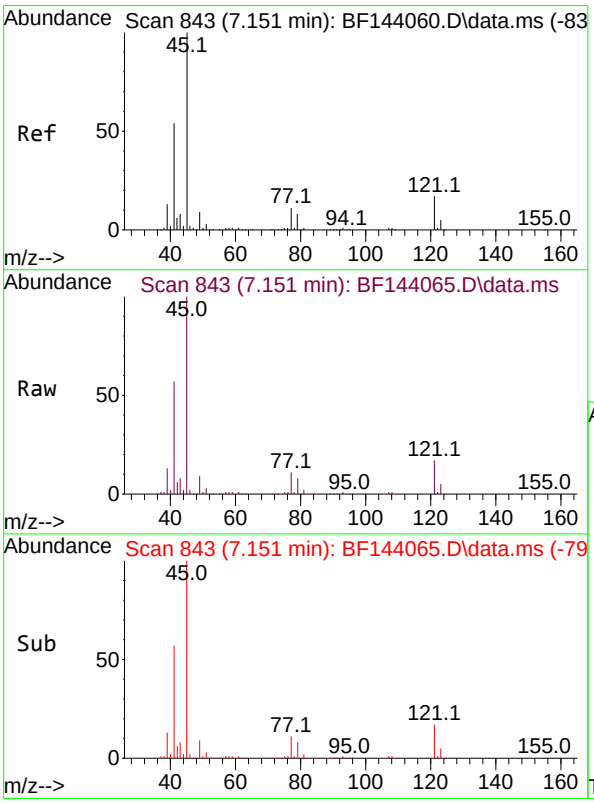
#15
Benzyl Alcohol
Concen: 36.330 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 79 Resp: 81782

Ion	Ratio	Lower	Upper
79	100		
108	67.4	54.8	82.2
77	64.8	49.4	74.0

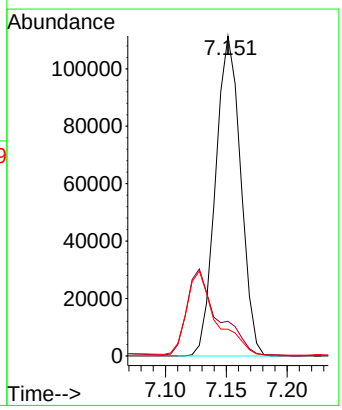


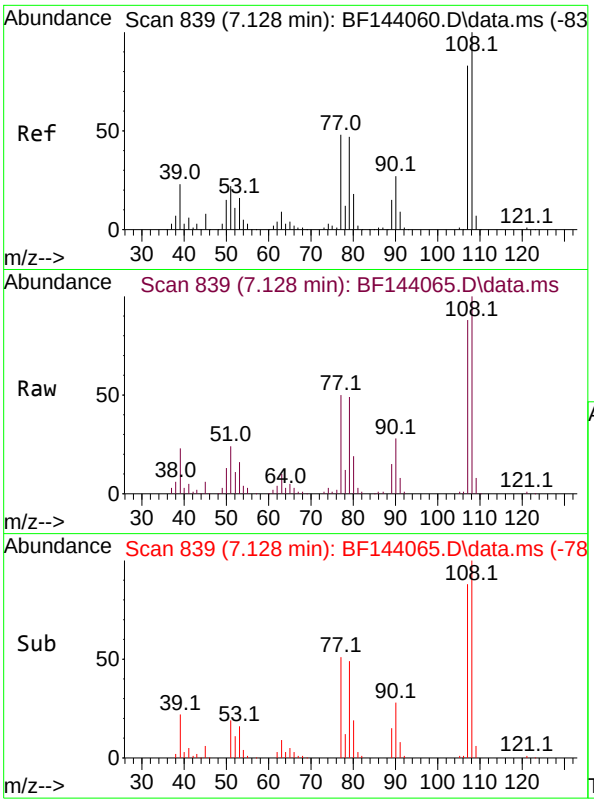


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.517 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 45 Resp: 160104

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	30.9
79	8.3	0.0	28.2



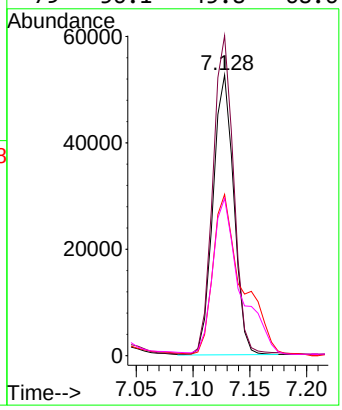


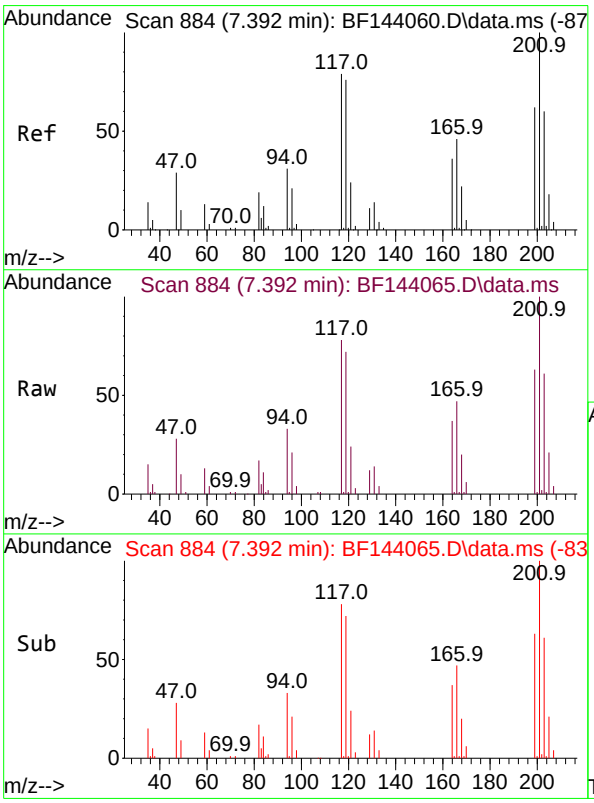
#17
2-Methylphenol
Concen: 35.152 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:107 Resp: 66743

Ion	Ratio	Lower	Upper
107	100		
108	114.1	96.4	144.6
77	57.5	46.8	70.2
79	56.1	45.8	68.6

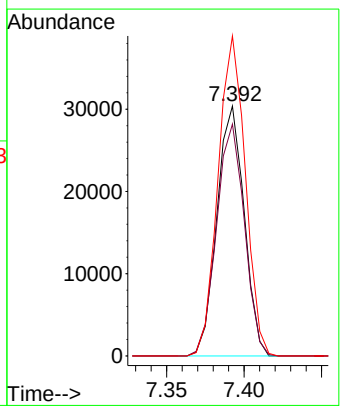


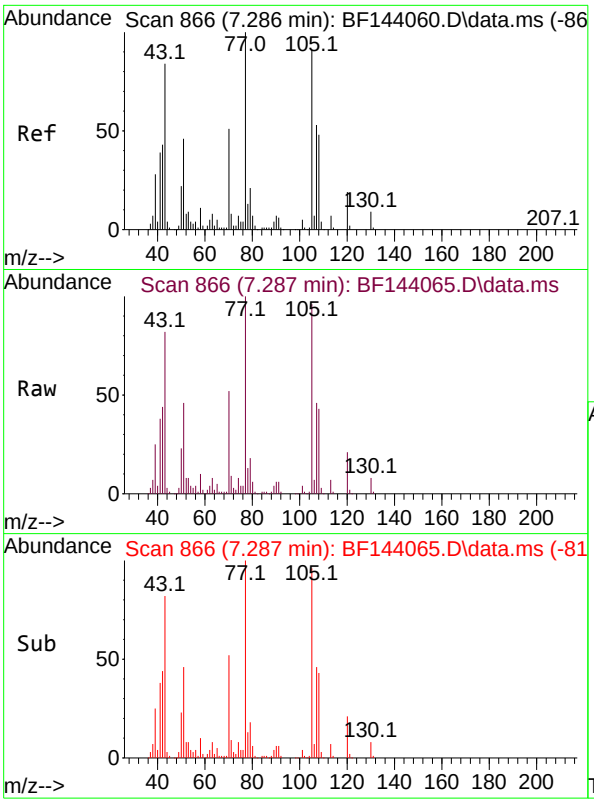


#18
Hexachloroethane
Concen: 34.696 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:117 Resp: 37228

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.6	115.0
201	128.1	100.9	151.3



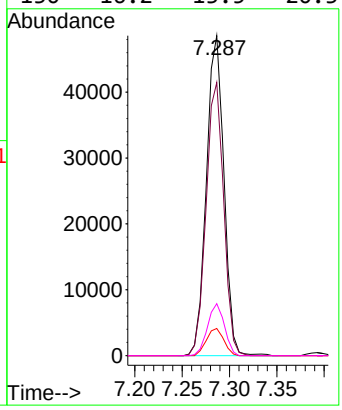


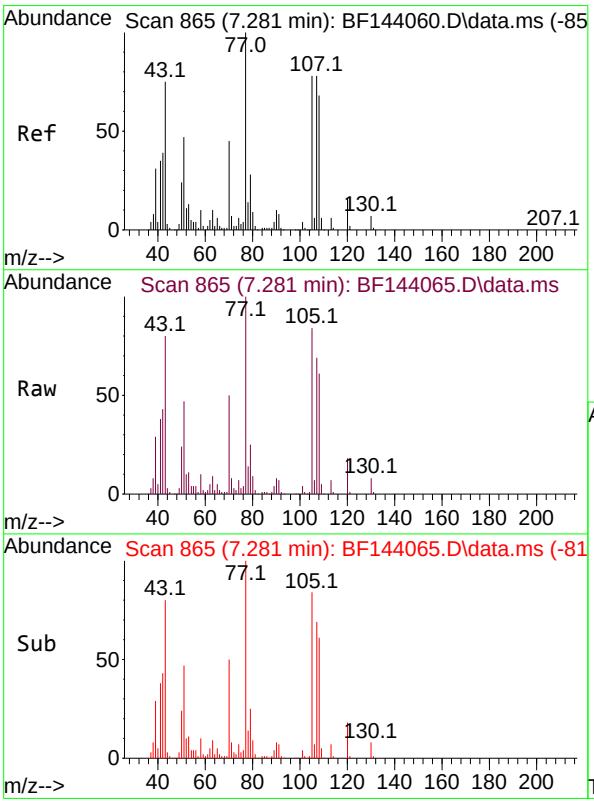
#19
n-Nitroso-di-n-propylamine
Concen: 35.002 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 70 Resp: 62662

Ion	Ratio	Lower	Upper
70	100		
42	85.3	67.4	101.0
101	8.5	7.1	10.7
130	16.2	13.5	20.3

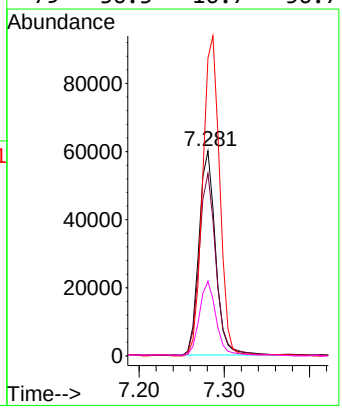


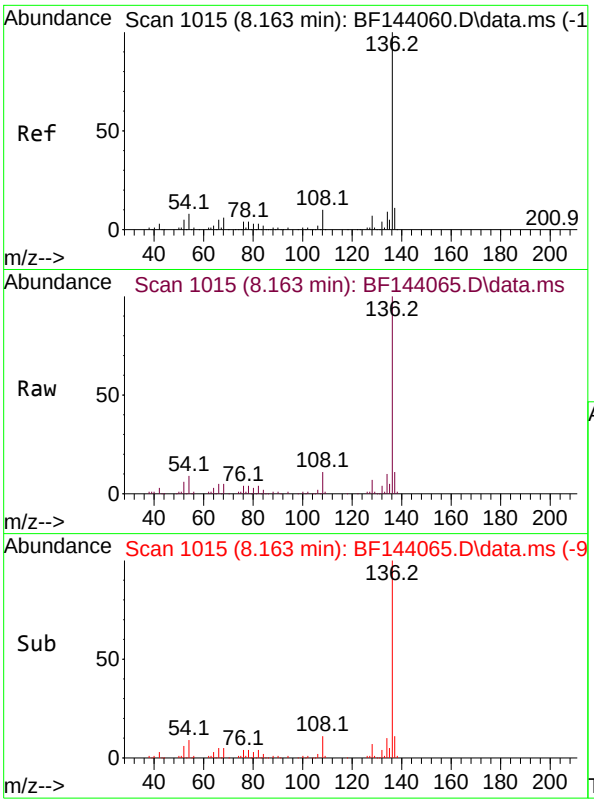


#20
3+4-Methylphenols
Concen: 36.095 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:107 Resp: 81018

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.0	108.0
77	145.2	108.7	148.7
79	36.3	16.7	56.7



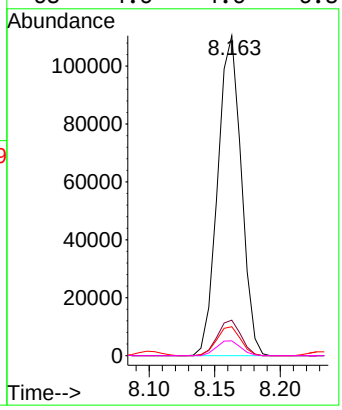


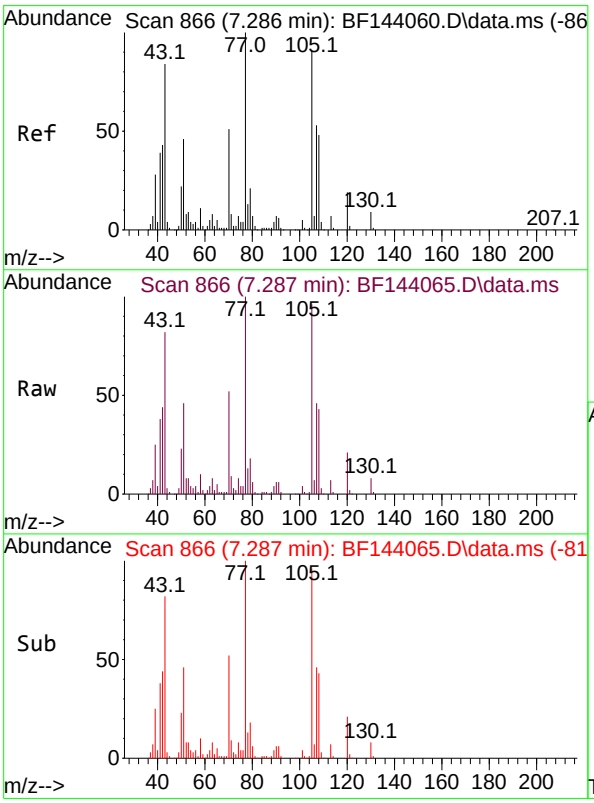
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:136 Resp: 138565

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.0	6.6	9.8
68	4.6	4.6	6.8

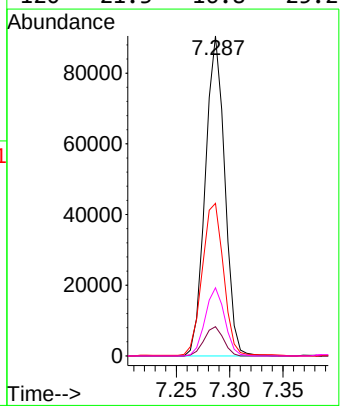


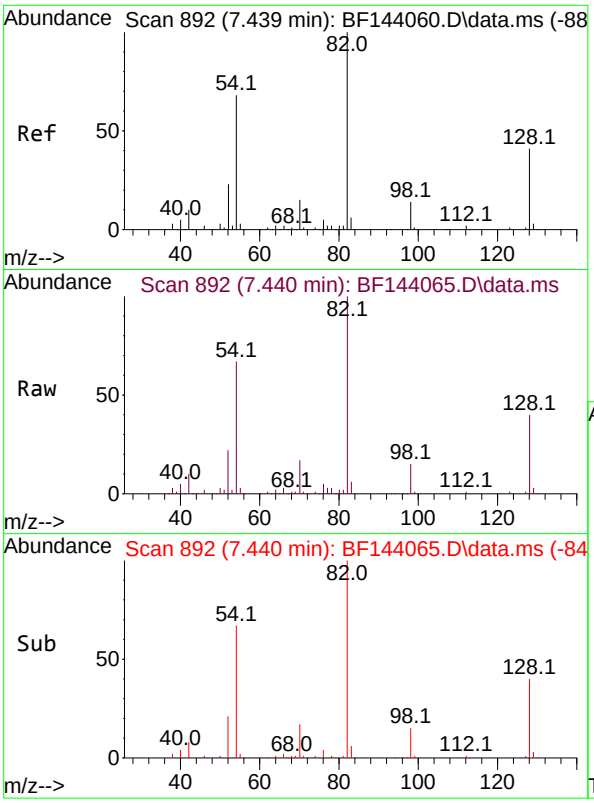


#22
Acetophenone
Concen: 38.453 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:105 Resp: 115151

Ion	Ratio	Lower	Upper
105	100		
71	9.1	6.9	10.3
51	47.7	40.6	60.8
120	21.3	16.8	25.2



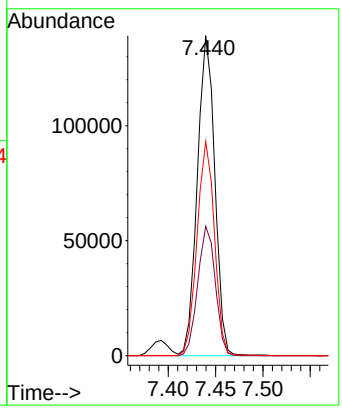


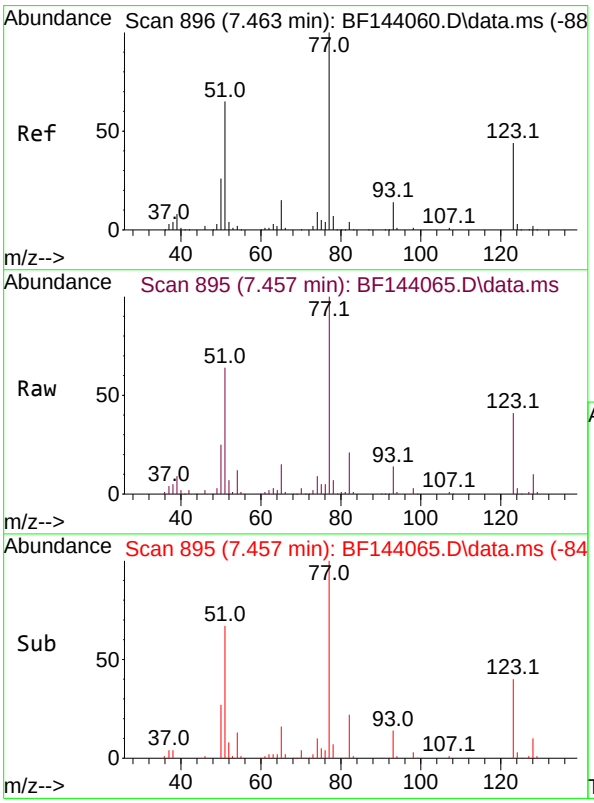
#23
Nitrobenzene-d5
Concen: 70.696 ng
RT: 7.440 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 82 Resp: 178800

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.4	48.6
54	66.9	54.0	81.0

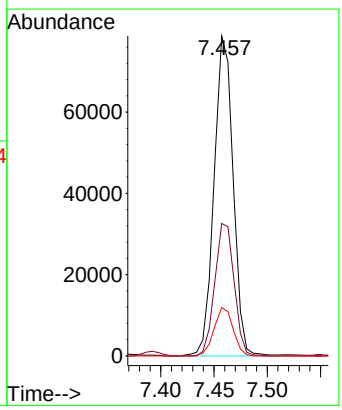


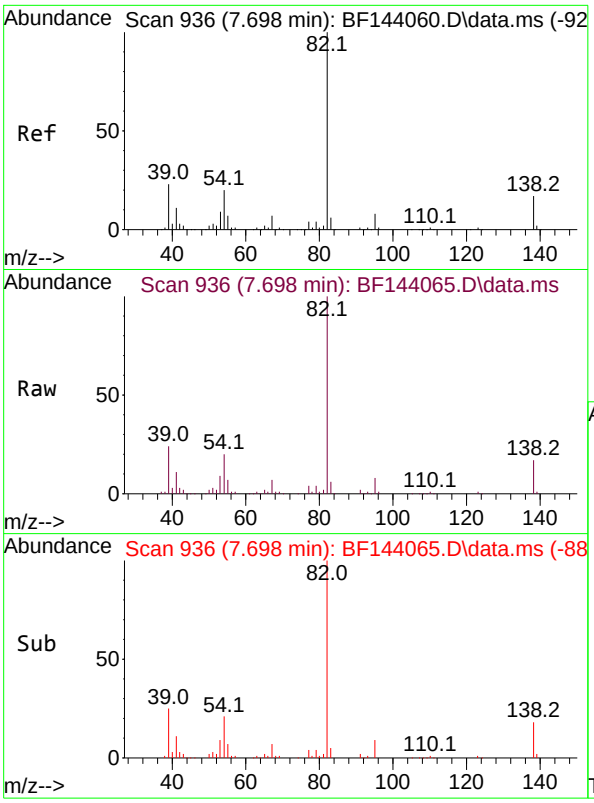


#24
Nitrobenzene
Concen: 36.753 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 77 Resp: 98332

Ion	Ratio	Lower	Upper
77	100		
123	41.4	35.0	52.6
65	15.1	12.2	18.2



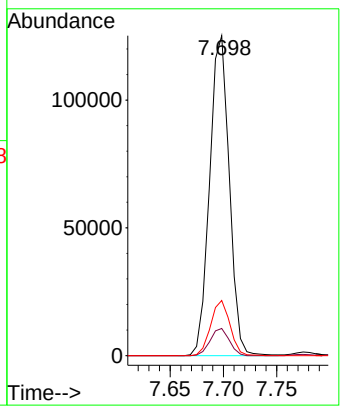


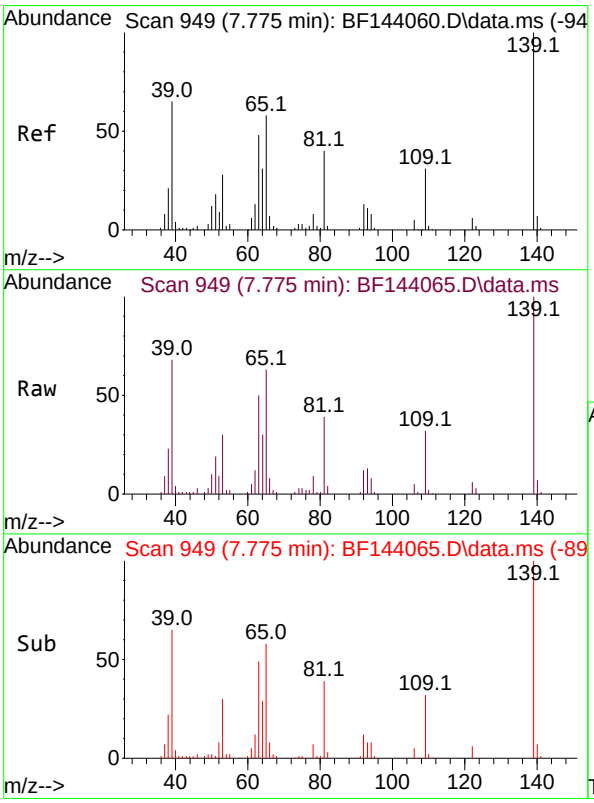
#25
Isophorone
Concen: 36.322 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 82 Resp: 160608

Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.6	9.8
138	17.2	13.8	20.8

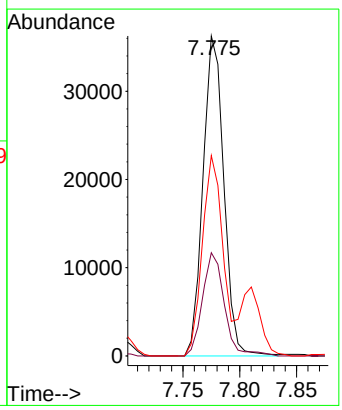


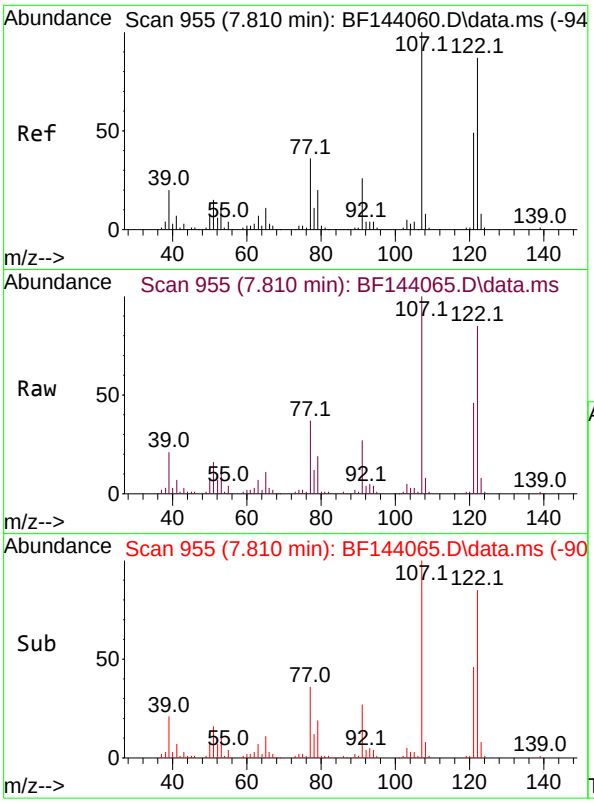


#26
2-Nitrophenol
Concen: 36.360 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:139 Resp: 46278

Ion	Ratio	Lower	Upper
139	100		
109	32.2	24.6	37.0
65	62.6	46.6	69.8



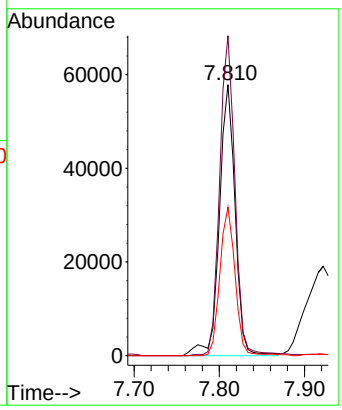


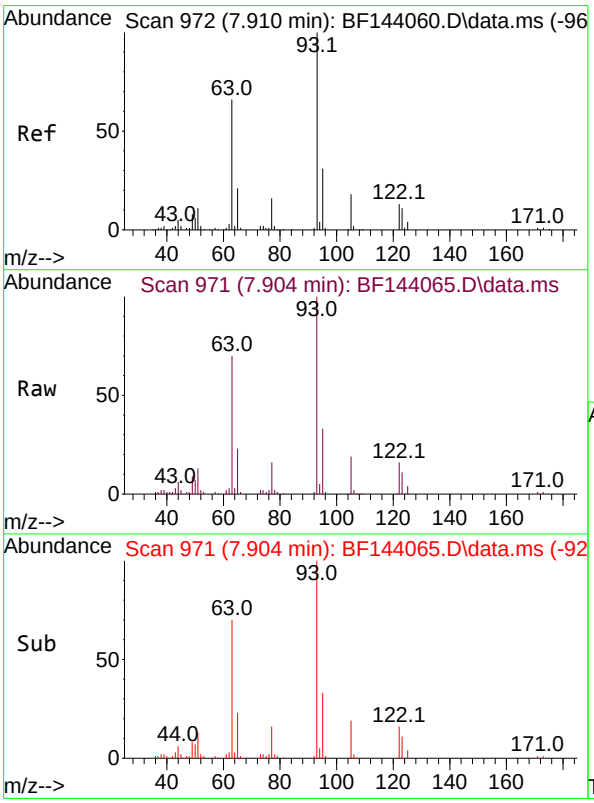
#27
2,4-Dimethylphenol
Concen: 39.405 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:122 Resp: 74530

Ion	Ratio	Lower	Upper
122	100		
107	118.1	91.8	137.8
121	54.8	45.2	67.8

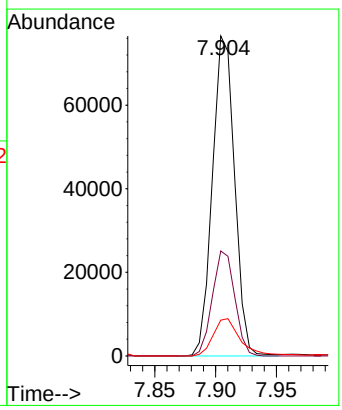


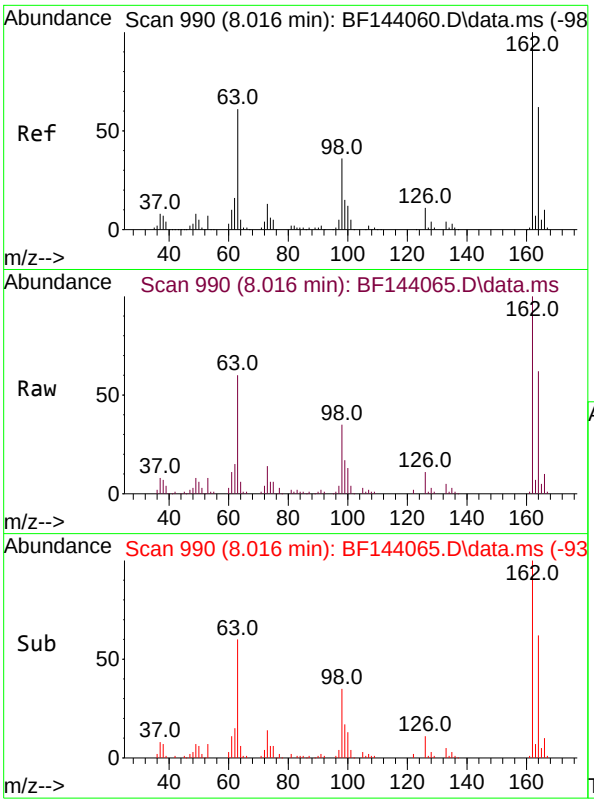


#28
bis(2-Chloroethoxy)methane
Concen: 35.182 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 93 Resp: 97014

Ion	Ratio	Lower	Upper
93	100		
95	32.8	24.6	36.8
123	11.2	9.1	13.7



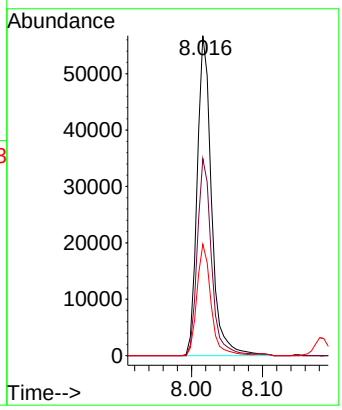


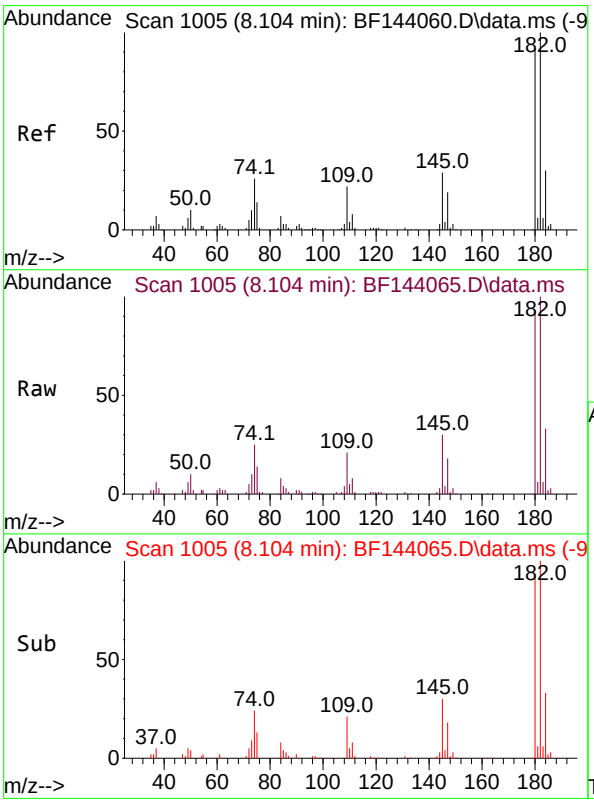
#29
2,4-Dichlorophenol
Concen: 35.901 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:162 Resp: 78967

Ion	Ratio	Lower	Upper
162	100		
164	61.6	42.1	82.1
98	34.8	16.0	56.0

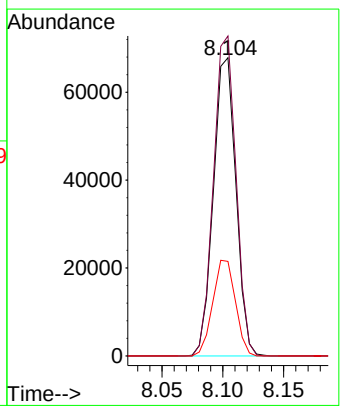


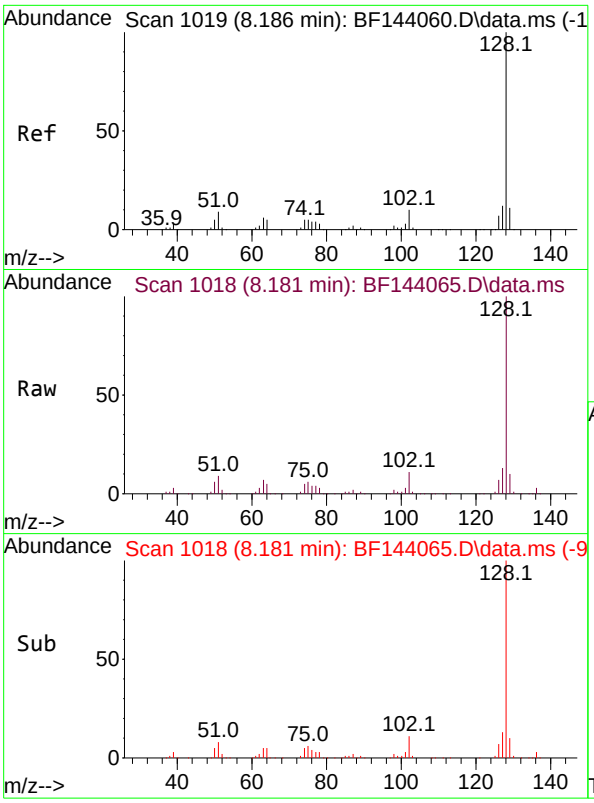


#30
1,2,4-Trichlorobenzene
Concen: 38.739 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:180 Resp: 87660

Ion	Ratio	Lower	Upper
180	100		
182	107.3	87.1	130.7
145	31.7	25.3	37.9



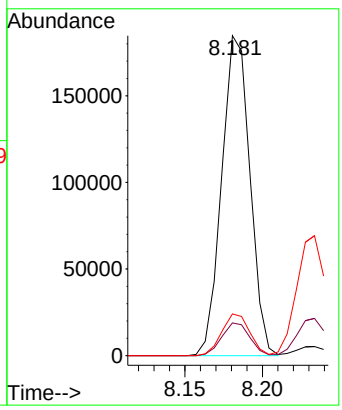


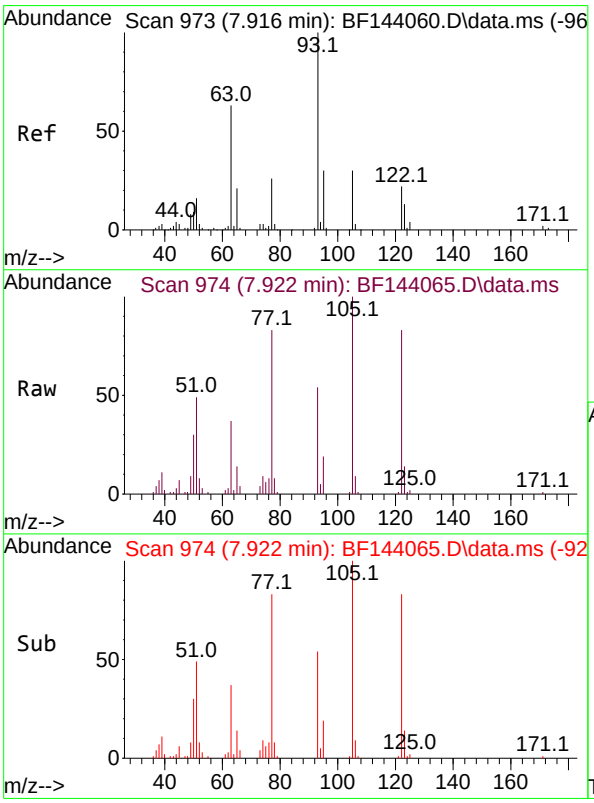
#31
Naphthalene
Concen: 35.834 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:128 Resp: 234353

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.4	12.6
127	13.0	9.9	14.9

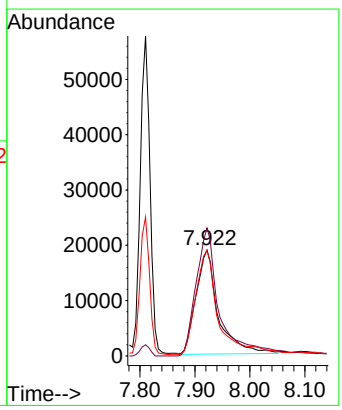


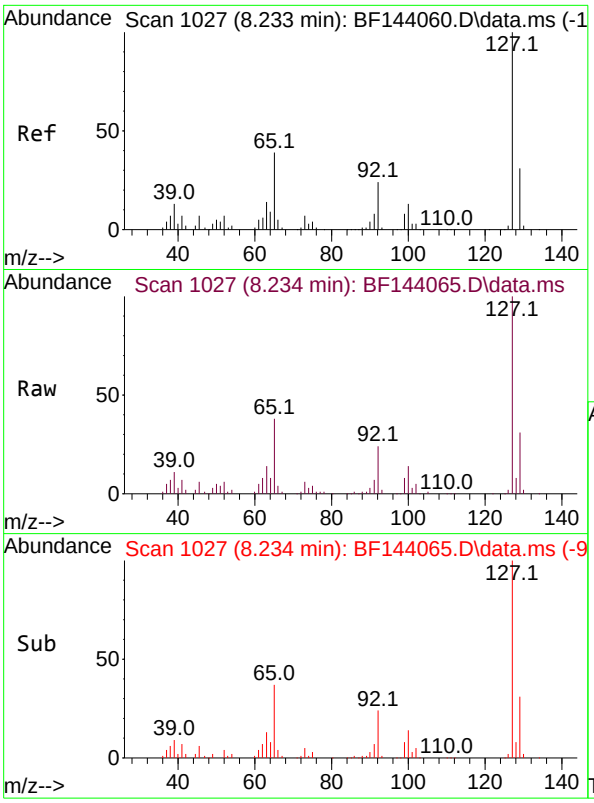


#32
Benzoic acid
Concen: 44.054 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:122 Resp: 52854

Ion	Ratio	Lower	Upper
122	100		
105	121.1	111.3	151.3
77	100.0	96.7	136.7



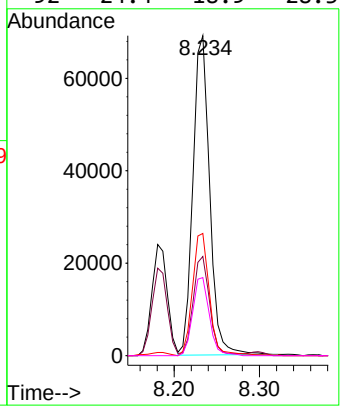


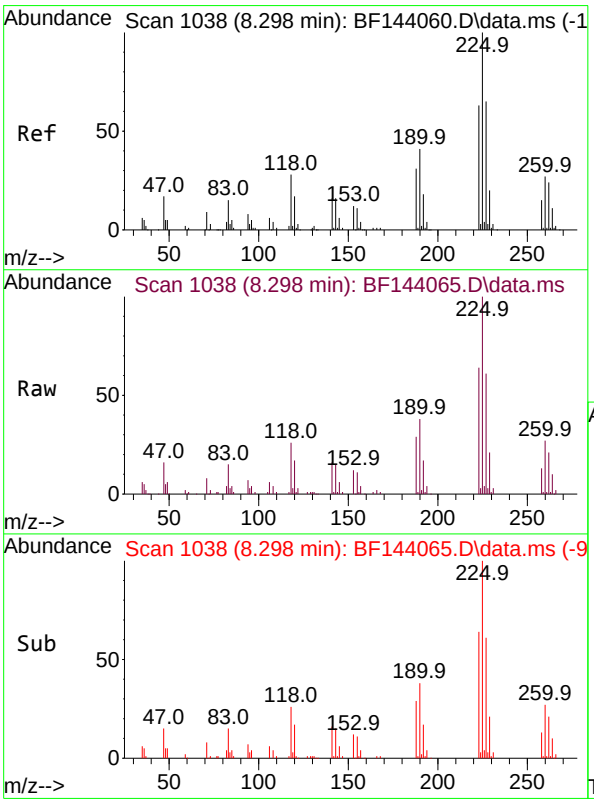
#33
4-Chloroaniline
Concen: 41.428 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:127 Resp: 94319

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.6	38.4
65	38.2	30.9	46.3
92	24.4	18.9	28.3

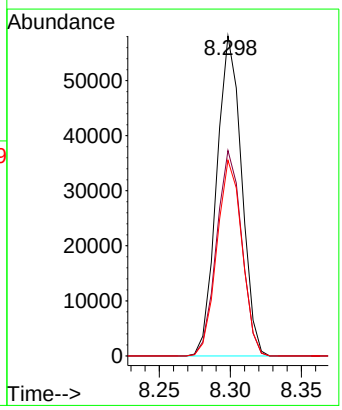


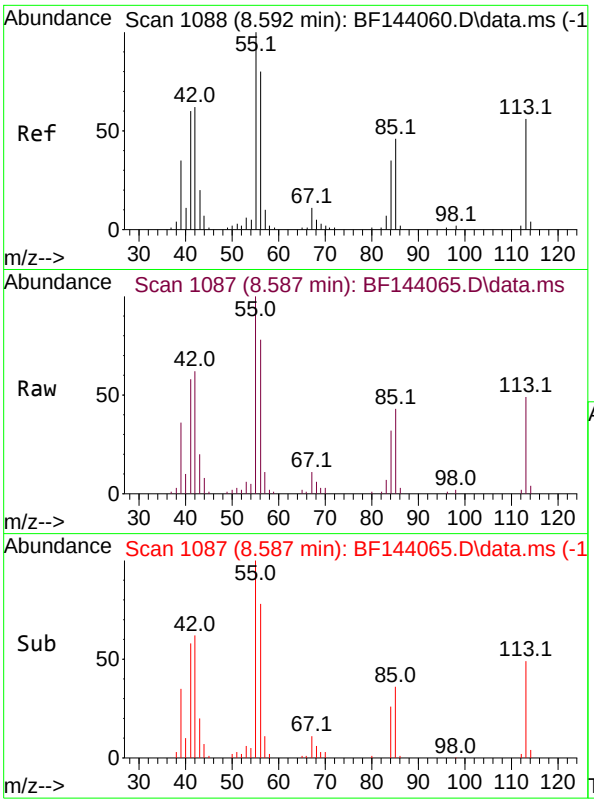


#34
Hexachlorobutadiene
Concen: 38.260 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:225 Resp: 70793

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.6	76.0
227	61.1	51.8	77.8



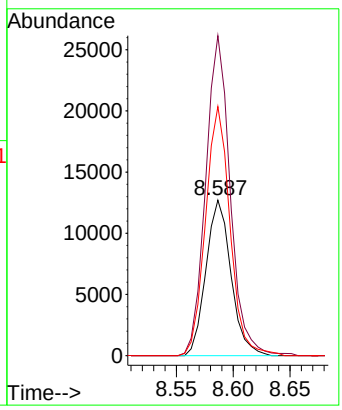


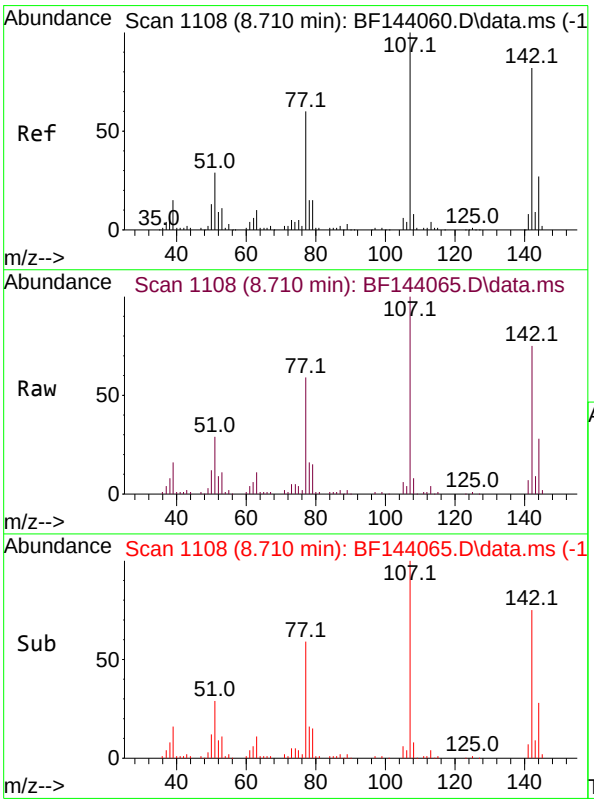
#35
Caprolactam
Concen: 35.331 ng
RT: 8.587 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:113 Resp: 19488

Ion	Ratio	Lower	Upper
113	100		
55	205.9	160.1	200.1#
56	160.2	124.9	164.9

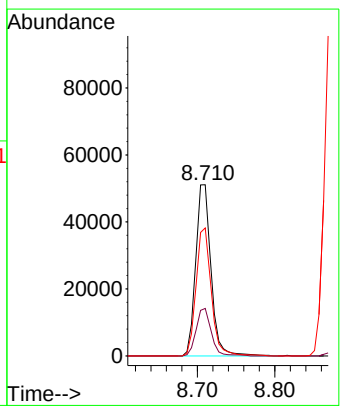


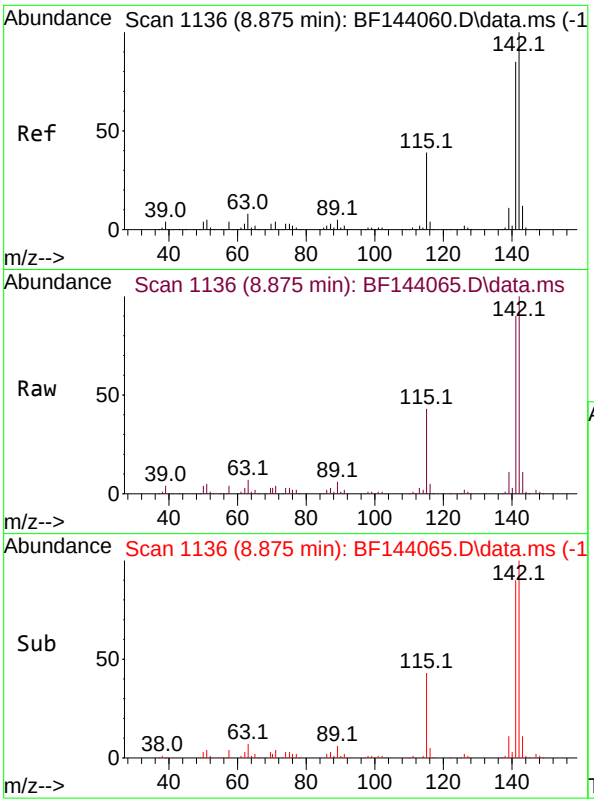


#36
4-Chloro-3-methylphenol
Concen: 36.112 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:107 Resp: 70096

Ion	Ratio	Lower	Upper
107	100		
144	27.7	21.6	32.4
142	74.8	65.4	98.0



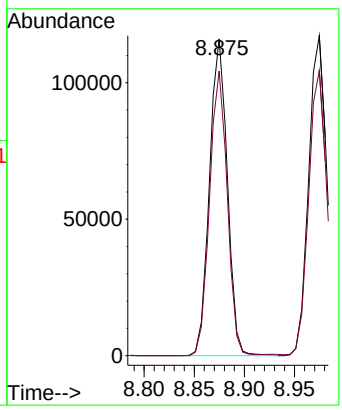


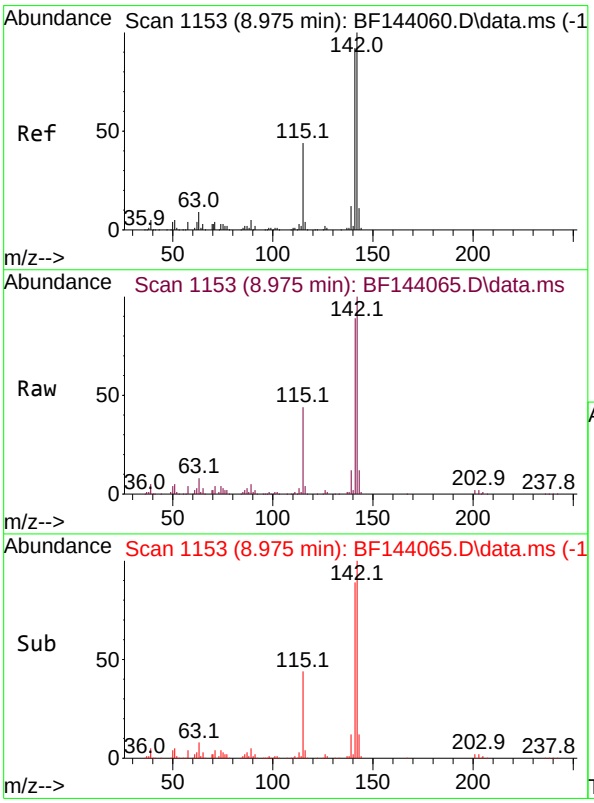
#37
2-Methylnaphthalene
Concen: 33.233 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:142 Resp: 143296

Ion	Ratio	Lower	Upper
142	100		
141	89.8	67.6	101.4

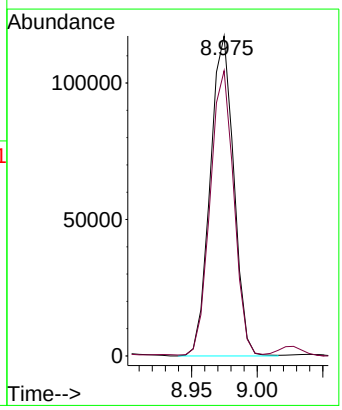


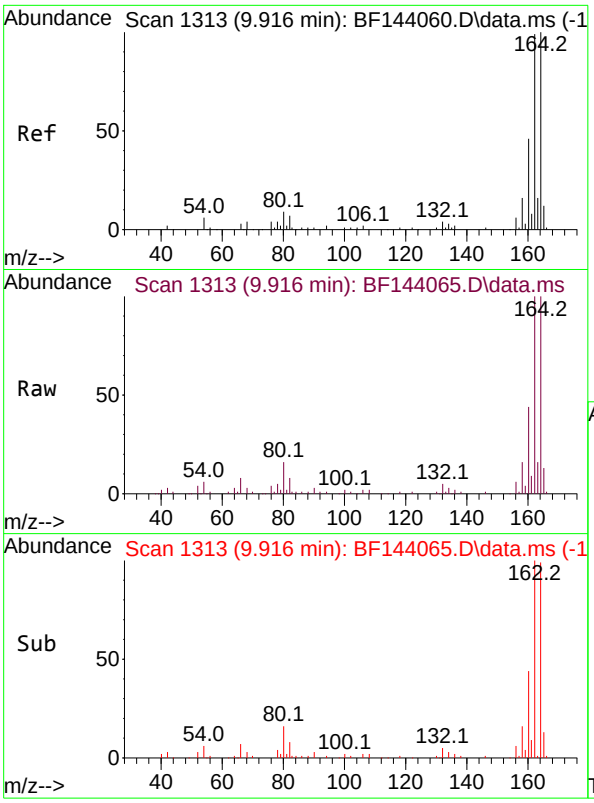


#38
1-Methylnaphthalene
Concen: 35.945 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:142 Resp: 146838

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.4	110.2



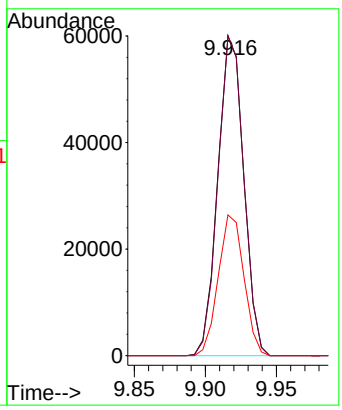


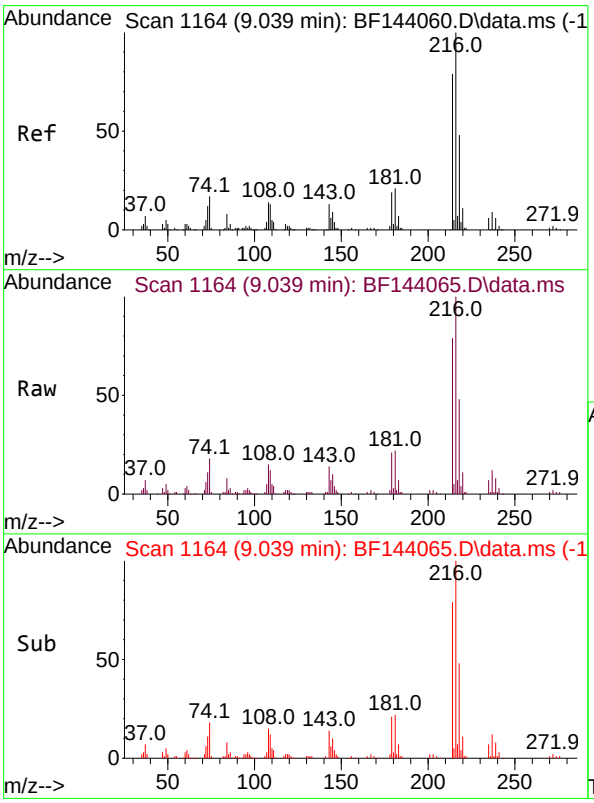
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:164 Resp: 76145

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.4	119.2
160	44.0	36.7	55.1

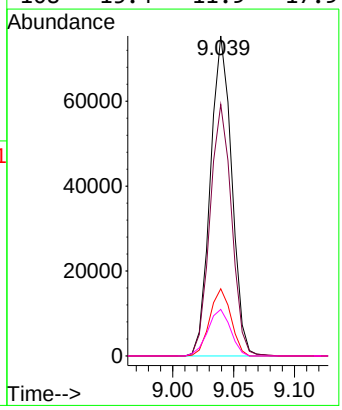


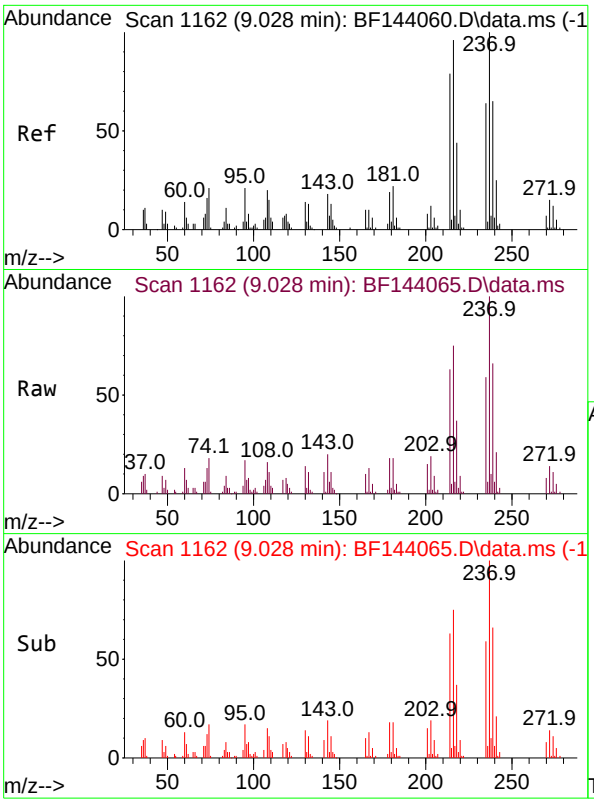


#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.121 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:216 Resp: 91910

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.2	94.8
179	20.8	15.2	22.8
108	15.4	11.9	17.9



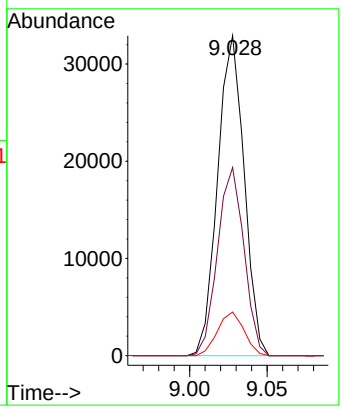


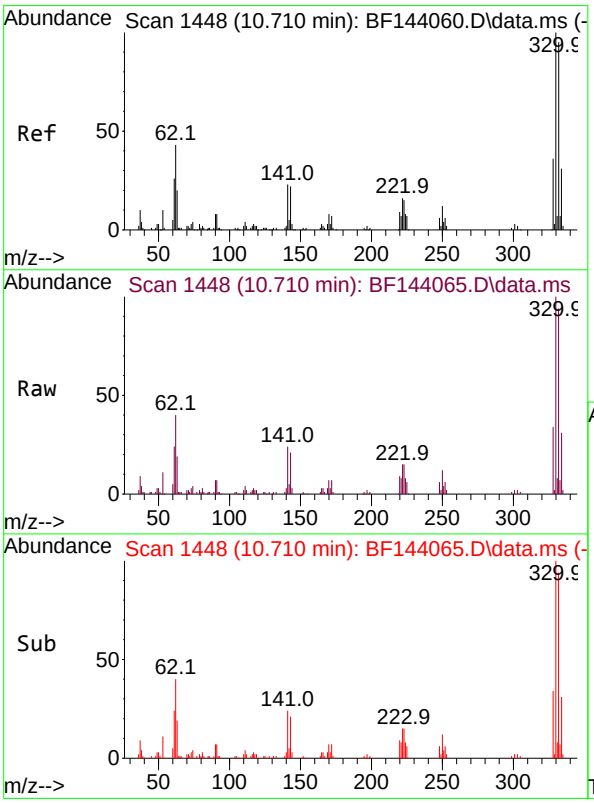
#41
Hexachlorocyclopentadiene
Concen: 48.585 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:237 Resp: 39270

Ion	Ratio	Lower	Upper
237	100		
235	58.8	44.3	84.3
272	13.6	0.0	35.2

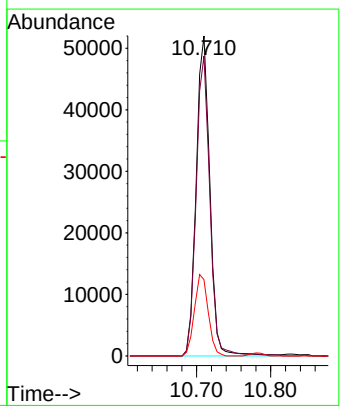


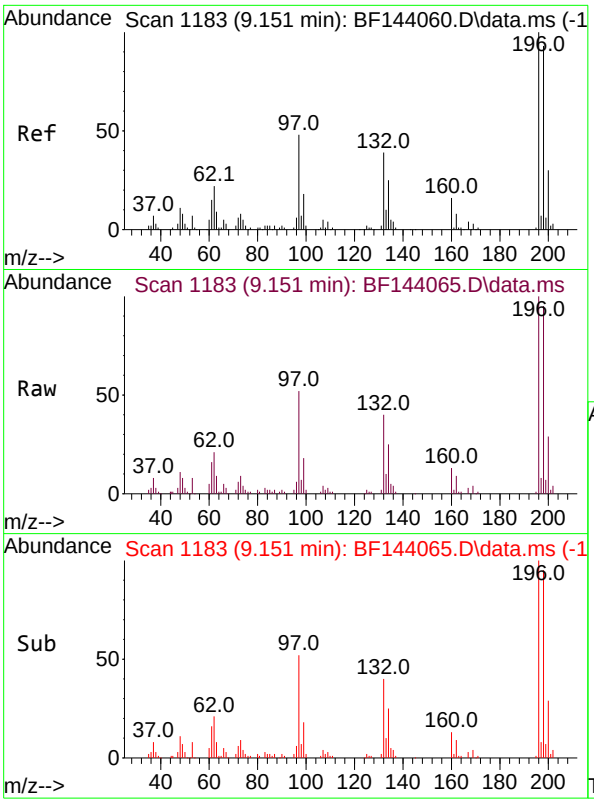


#42
2,4,6-Tribromophenol
Concen: 68.551 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:330 Resp: 66490

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	25.7	19.4	29.0



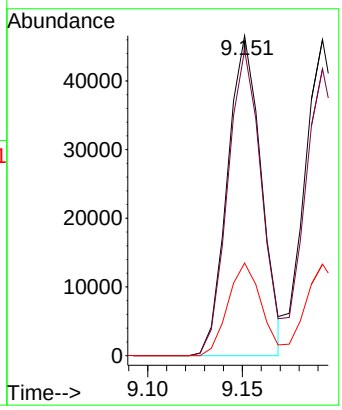


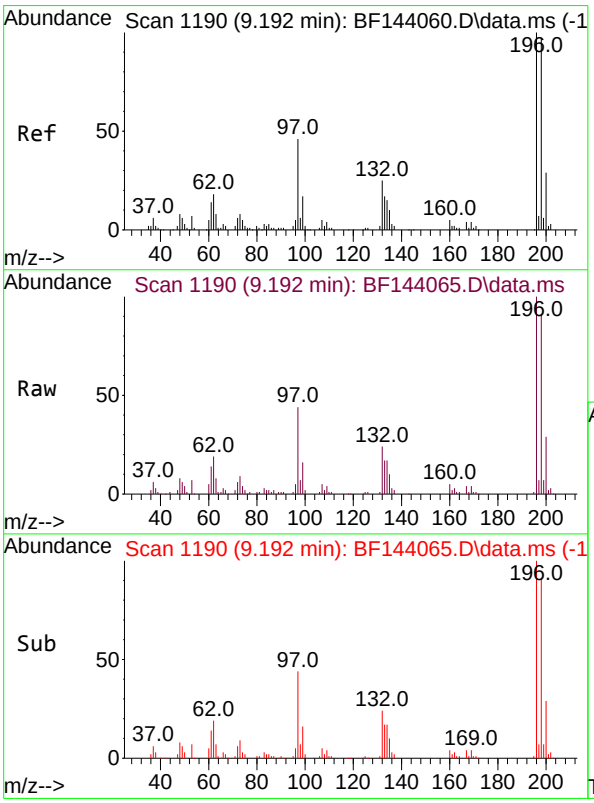
#43
2,4,6-Trichlorophenol
Concen: 33.986 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:196 Resp: 57810

Ion	Ratio	Lower	Upper
196	100		
198	95.5	74.4	111.6
200	28.9	23.8	35.8

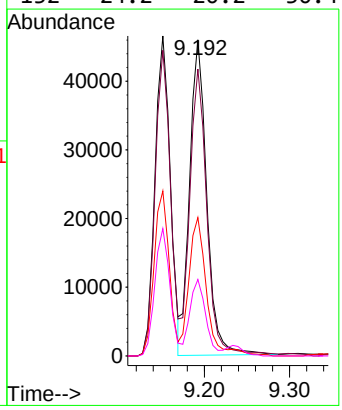


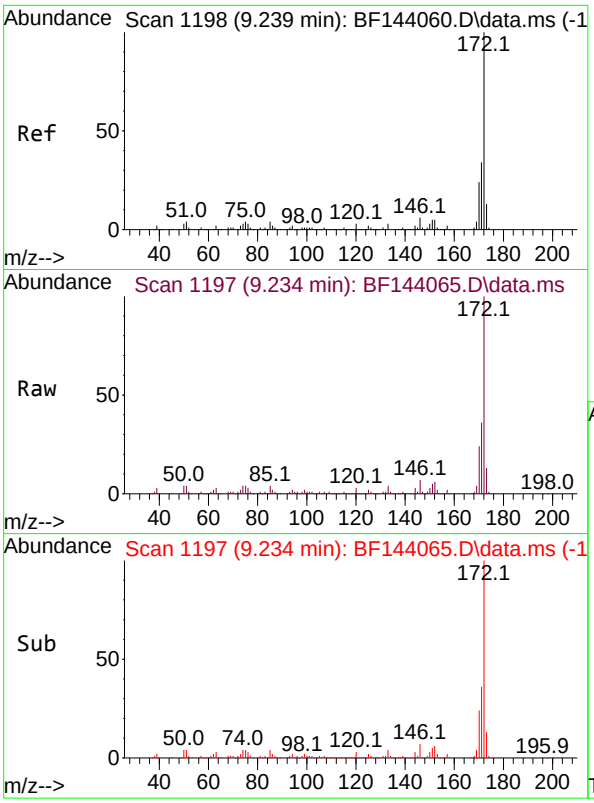


#44
2,4,5-Trichlorophenol
Concen: 36.018 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:196 Resp: 64300

Ion	Ratio	Lower	Upper
196	100		
198	90.7	78.0	117.0
97	43.7	37.7	56.5
132	24.2	20.2	30.4



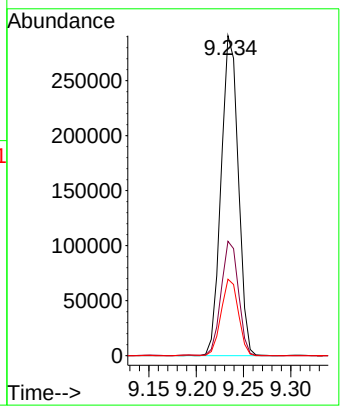


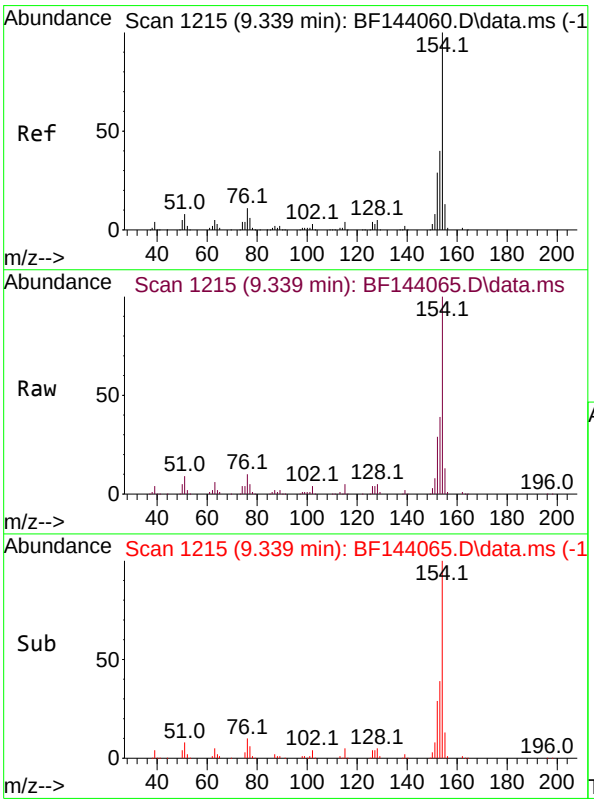
#45
2-Fluorobiphenyl
Concen: 67.717 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:172 Resp: 366420

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.5	41.3
170	23.9	19.0	28.6

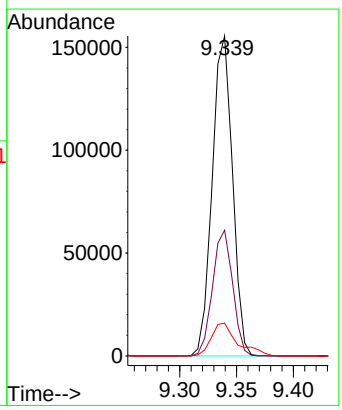


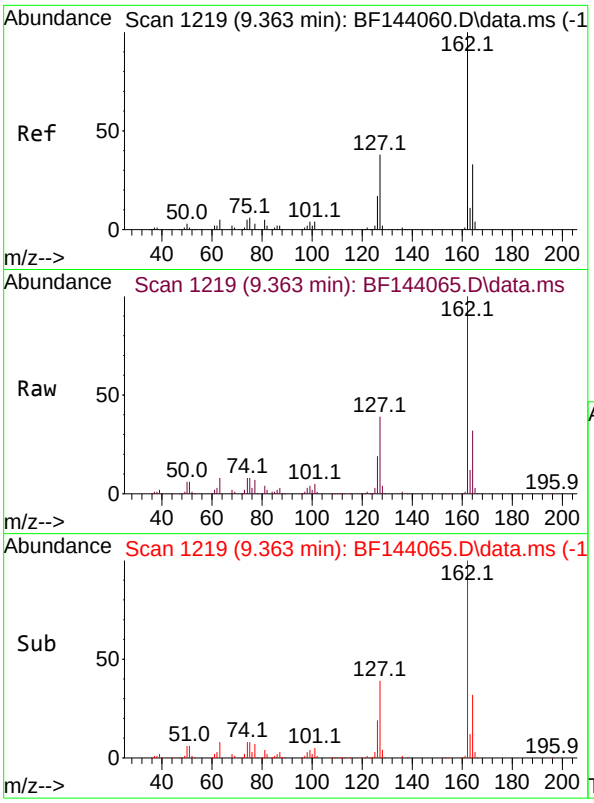


#46
1,1'-Biphenyl
Concen: 35.345 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:154 Resp: 192660

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	10.2	0.0	31.1



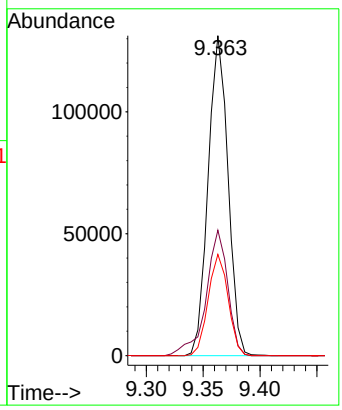


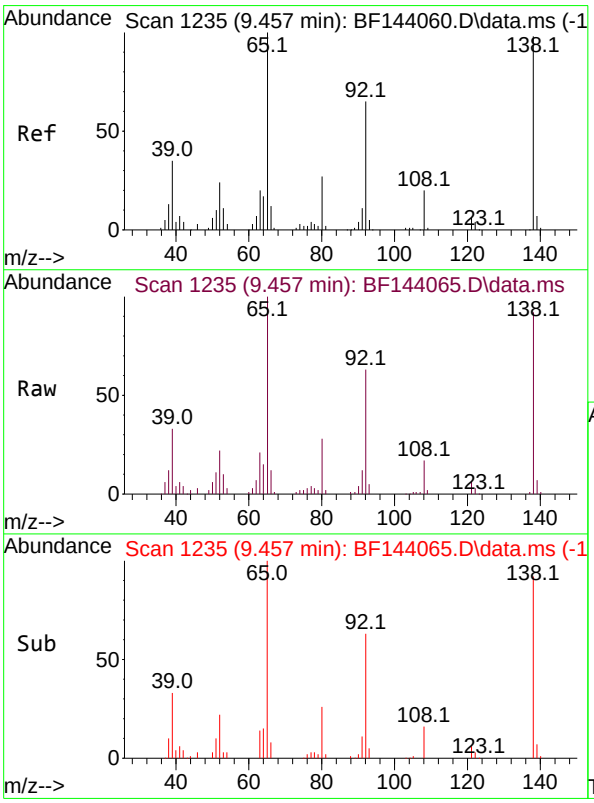
#47
2-Chloronaphthalene
Concen: 34.908 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:162 Resp: 159410

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.6	47.4
164	31.6	26.5	39.7

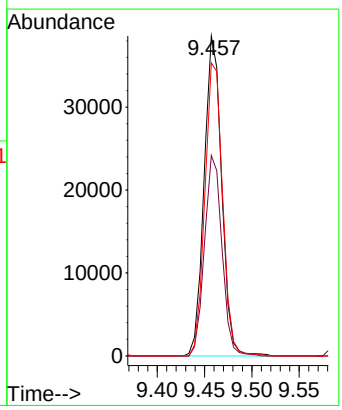


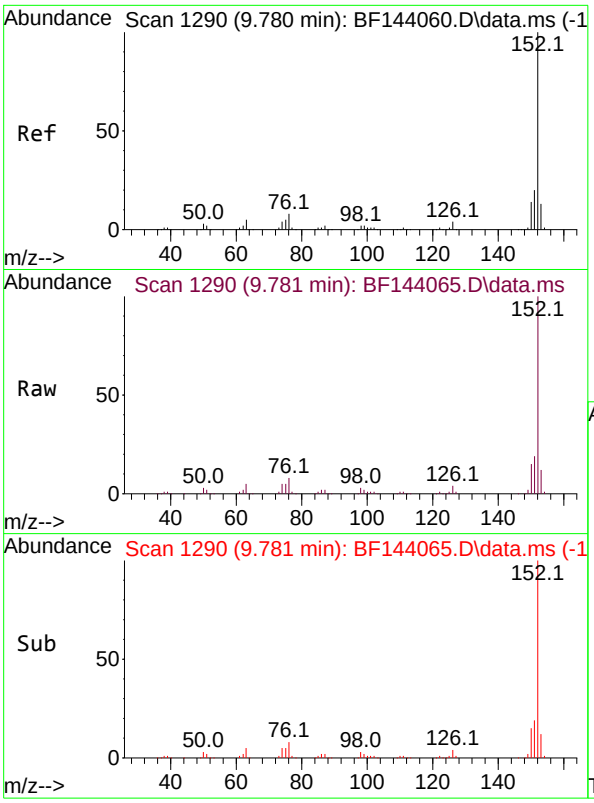


#48
2-Nitroaniline
Concen: 36.621 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 65 Resp: 49659

Ion	Ratio	Lower	Upper
65	100		
92	62.6	52.3	78.5
138	91.6	78.3	117.5



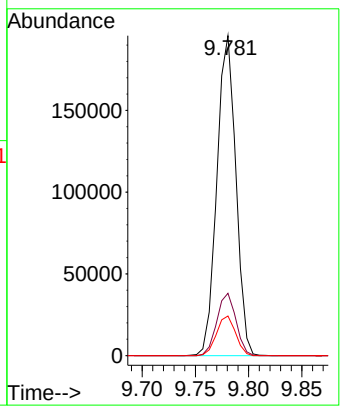


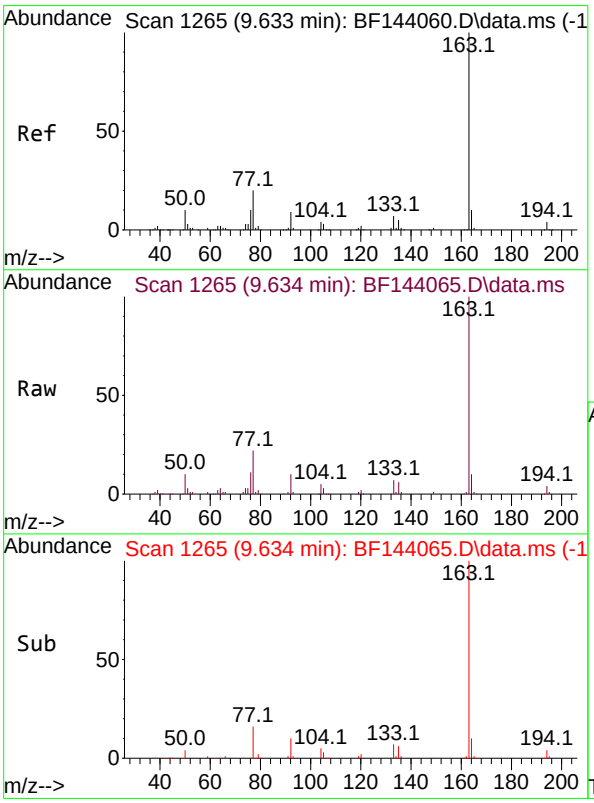
#49
Acenaphthylene
Concen: 39.474 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:152 Resp: 243055

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	12.4	10.4	15.6

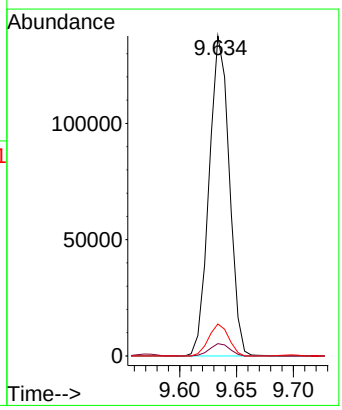


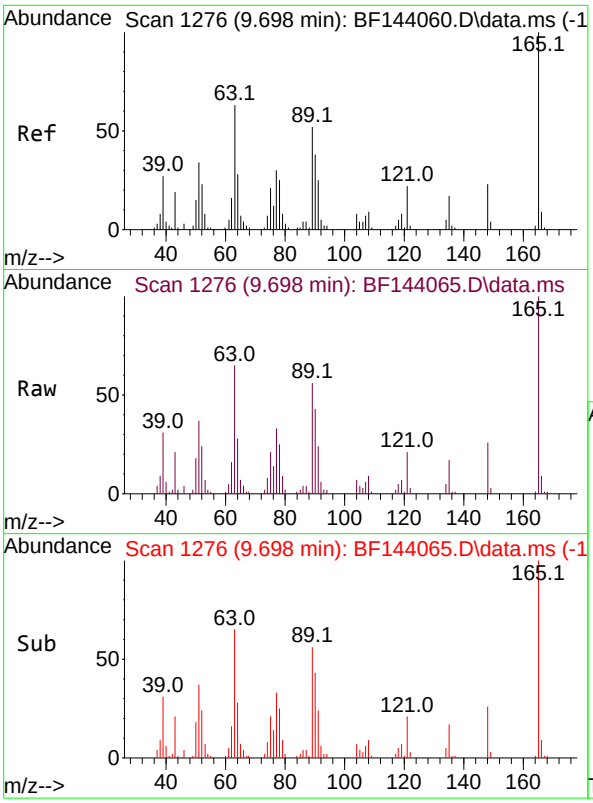


#50
Dimethylphthalate
Concen: 34.098 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:163 Resp: 170189

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.0	7.8	11.8



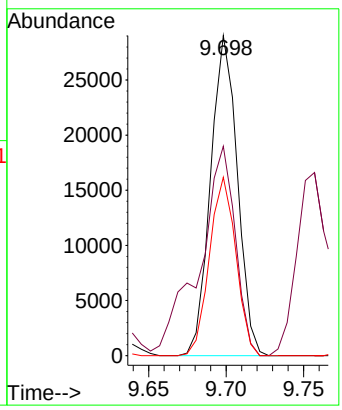


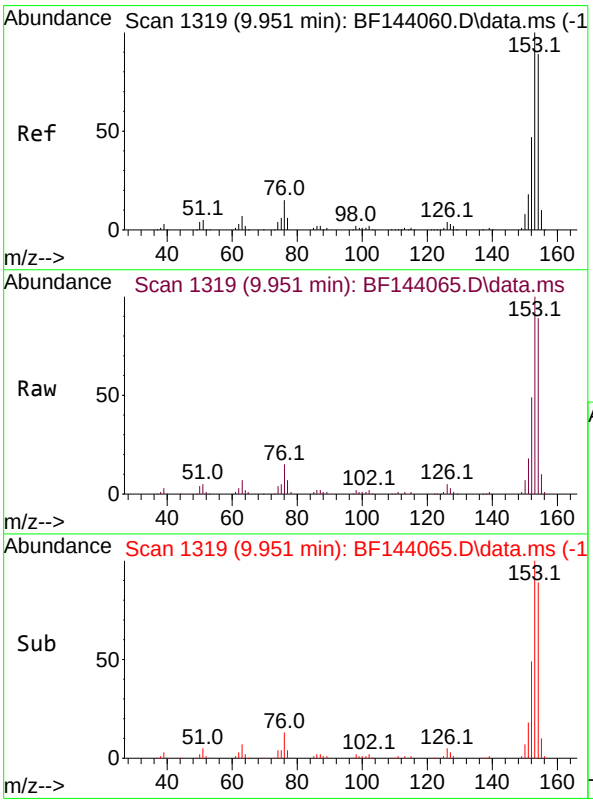
#51
2,6-Dinitrotoluene
Concen: 35.461 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:165 Resp: 34990

Ion	Ratio	Lower	Upper
165	100		
63	65.4	50.4	75.6
89	55.7	41.4	62.2

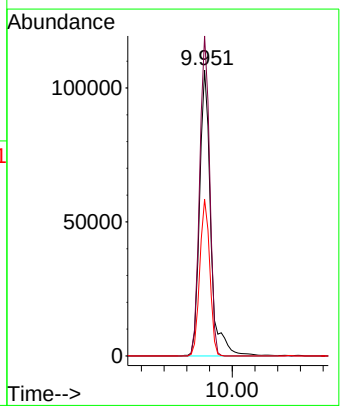


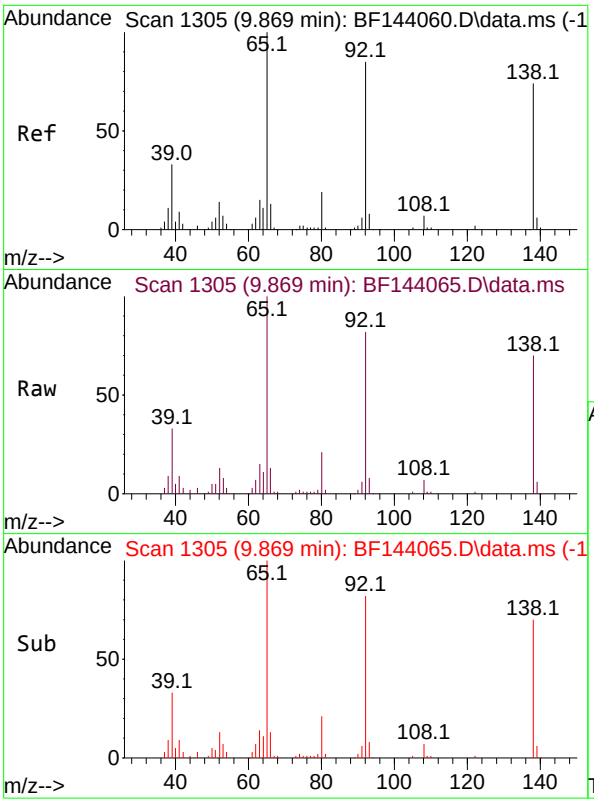


#52
Acenaphthene
Concen: 35.145 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:154 Resp: 144520

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	54.8	42.0	63.0



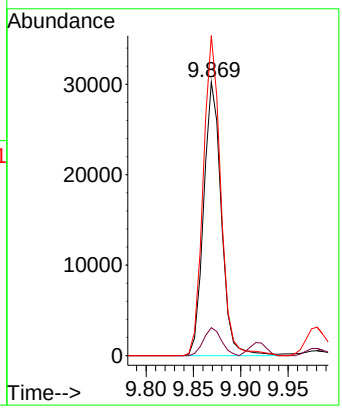


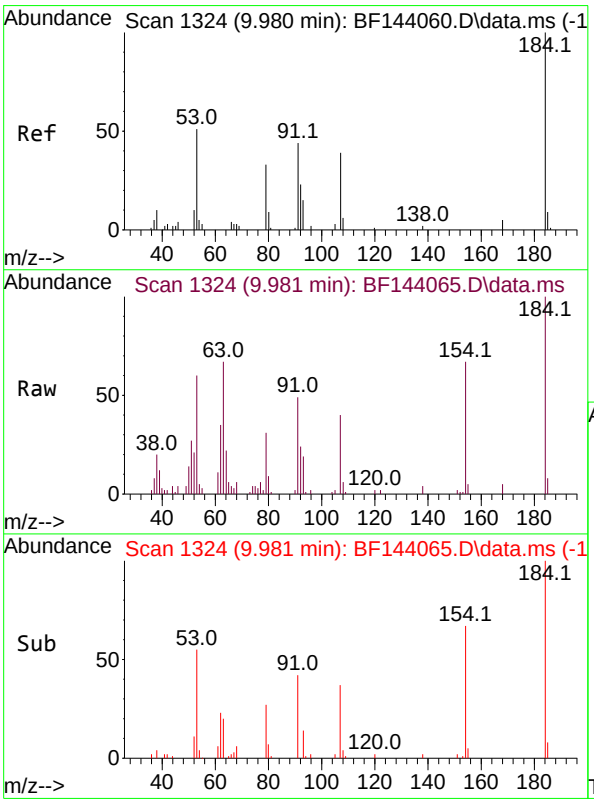
#53
3-Nitroaniline
Concen: 35.804 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:138 Resp: 39278

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.9	11.9
92	117.0	92.0	138.0

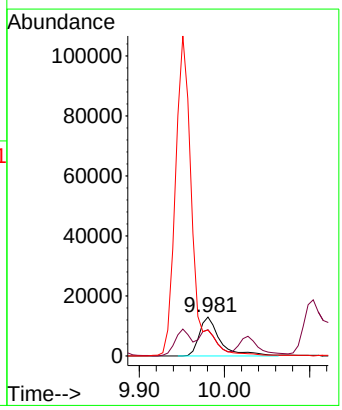


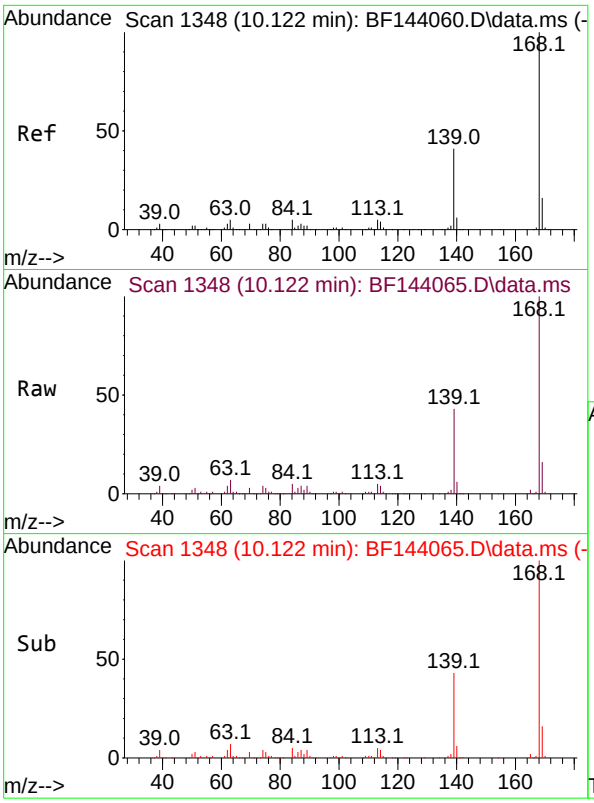


#54
2,4-Dinitrophenol
Concen: 41.102 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:184 Resp: 21935

Ion	Ratio	Lower	Upper
184	100		
63	67.5	52.1	78.1
154	66.5	47.9	71.9



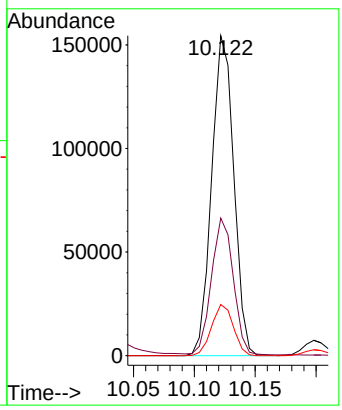


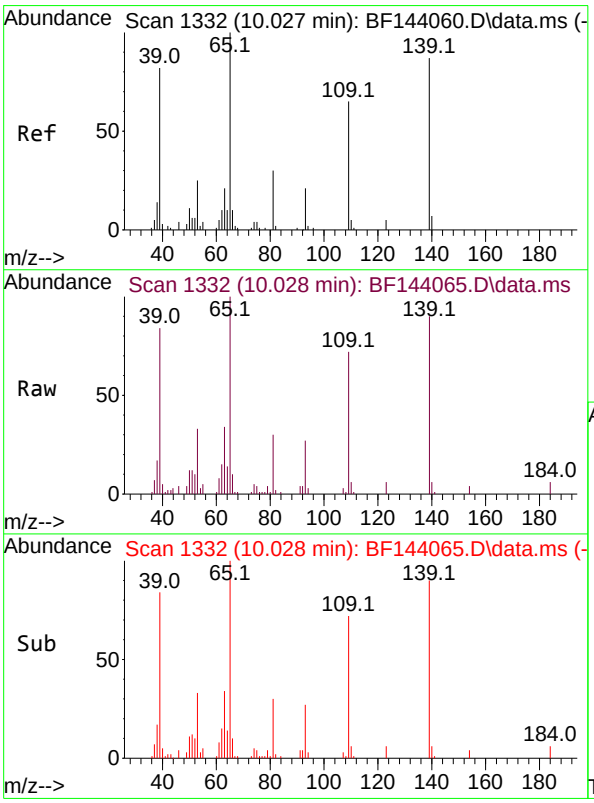
#55
Dibenzofuran
Concen: 34.140 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:168 Resp: 194900

Ion	Ratio	Lower	Upper
168	100		
139	43.0	33.2	49.8
169	16.0	12.6	19.0

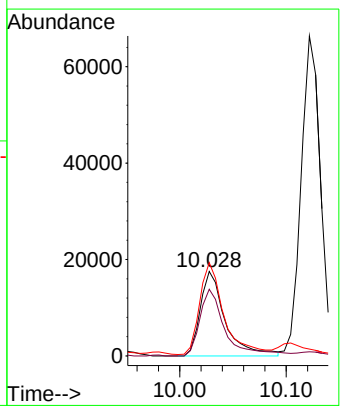


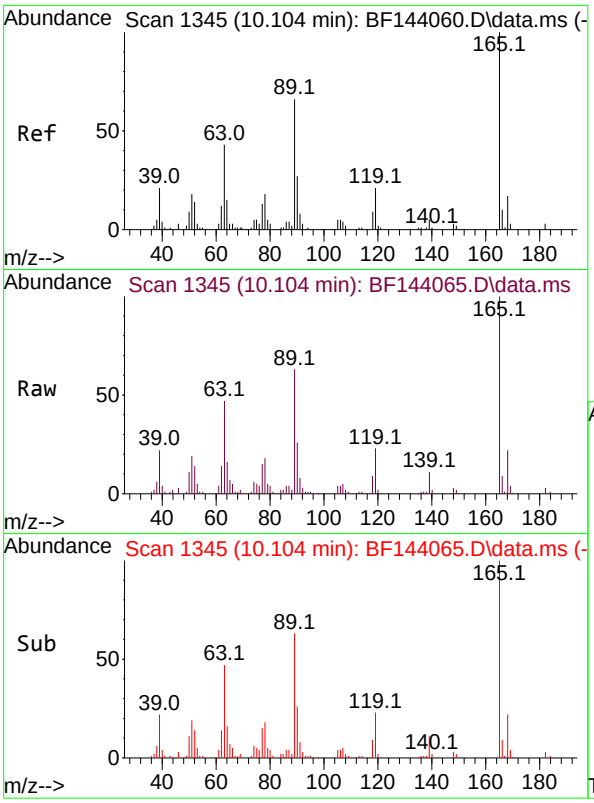


#56
4-Nitrophenol
Concen: 38.254 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:139 Resp: 28418

Ion	Ratio	Lower	Upper
139	100		
109	79.1	53.8	93.8
65	110.6	95.9	135.9



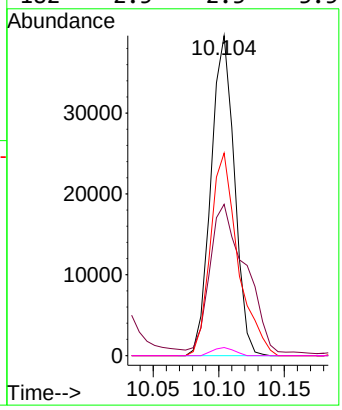


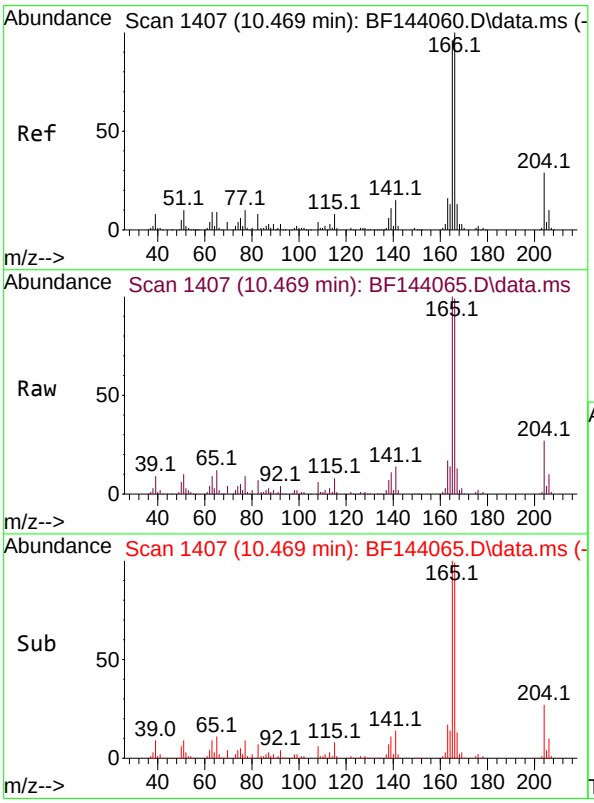
#57
2,4-Dinitrotoluene
Concen: 37.002 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:165 Resp: 49275

Ion	Ratio	Lower	Upper
165	100		
63	47.3	35.4	53.2
89	63.3	52.7	79.1
182	2.5	2.3	3.5

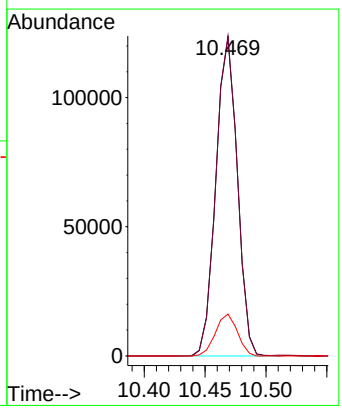


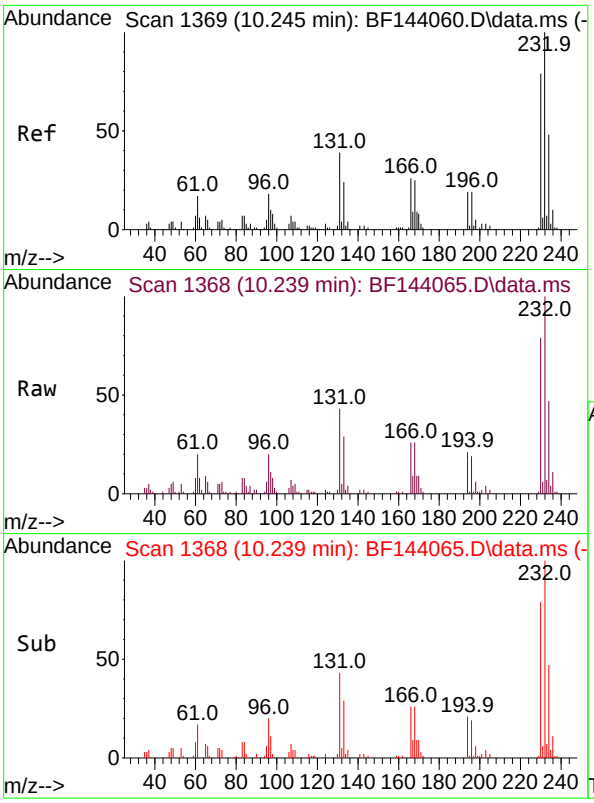


#58
Fluorene
Concen: 34.864 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:166 Resp: 151653

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.0	115.4
167	13.2	10.2	15.4



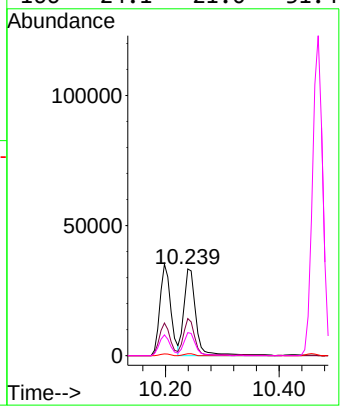


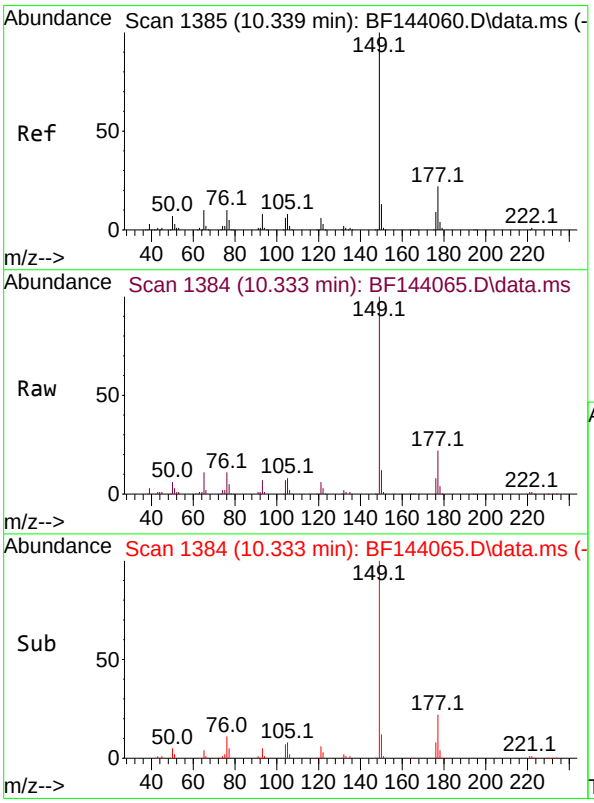
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.232 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:232 Resp: 49354

Ion	Ratio	Lower	Upper
232	100		
131	36.9	31.9	47.9
130	1.7	1.1	1.7#
166	24.1	21.0	31.4

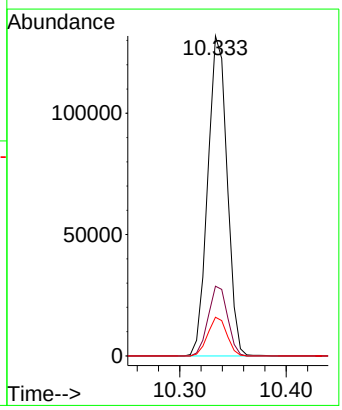


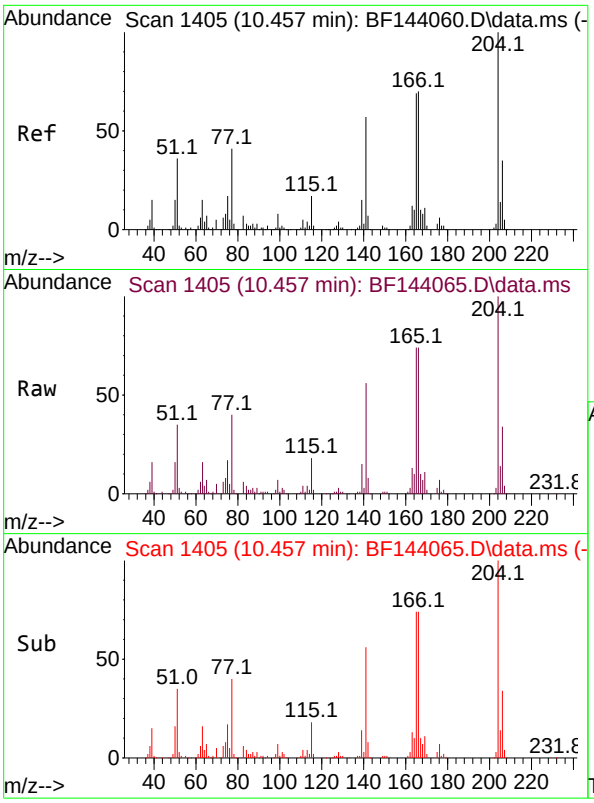


#60
Diethylphthalate
Concen: 35.442 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:149 Resp: 166357

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.8	26.6
150	12.1	10.1	15.1



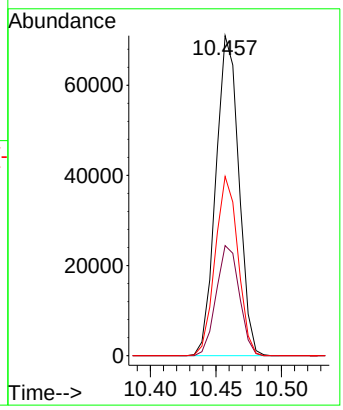


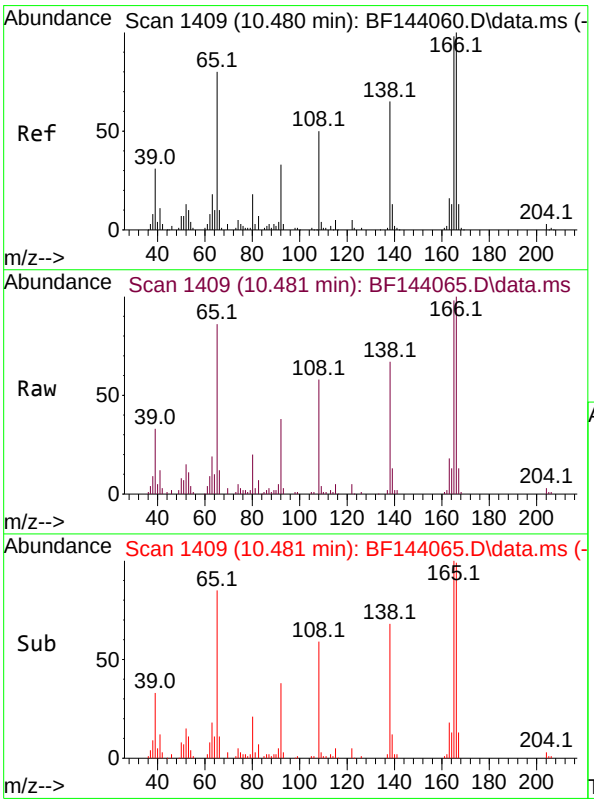
#61
4-Chlorophenyl-phenylether
Concen: 35.479 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:204 Resp: 86789

Ion	Ratio	Lower	Upper
204	100		
206	34.4	27.8	41.6
141	56.0	45.4	68.2

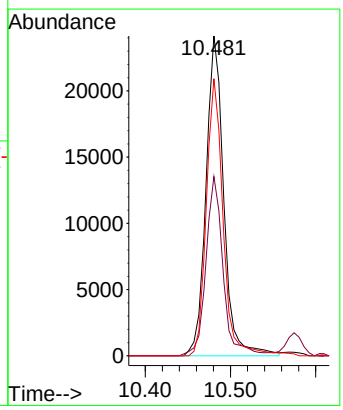


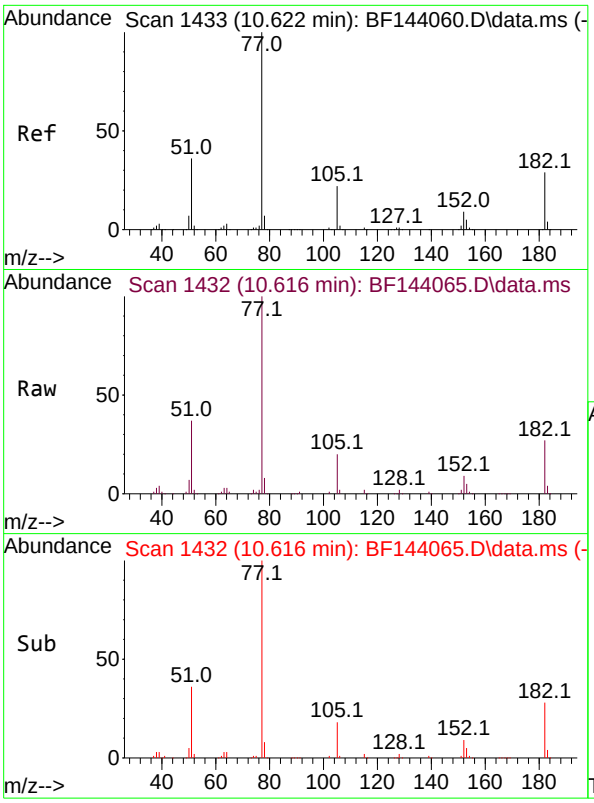


#62
4-Nitroaniline
Concen: 33.756 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:138 Resp: 35087

Ion	Ratio	Lower	Upper
138	100		
92	56.0	30.5	70.5
108	86.6	56.2	96.2



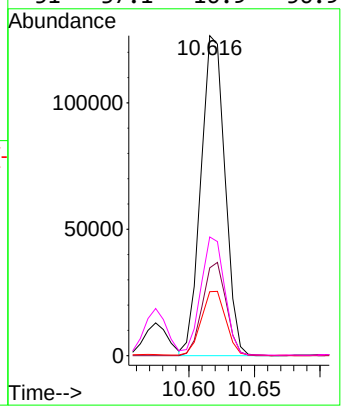


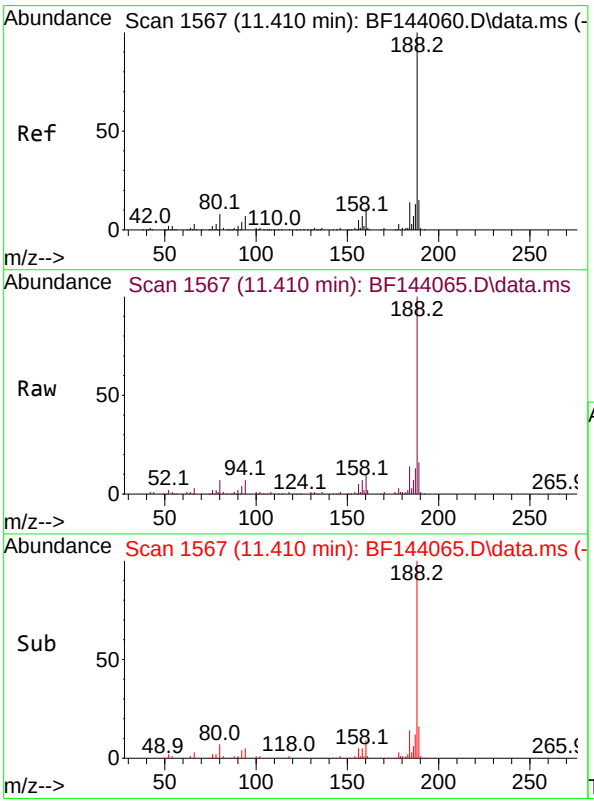
#63
Azobenzene
Concen: 36.422 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion: 77 Resp: 161807

Ion	Ratio	Lower	Upper
77	100		
182	27.4	9.0	49.0
105	20.0	1.4	41.4
51	37.1	16.9	56.9

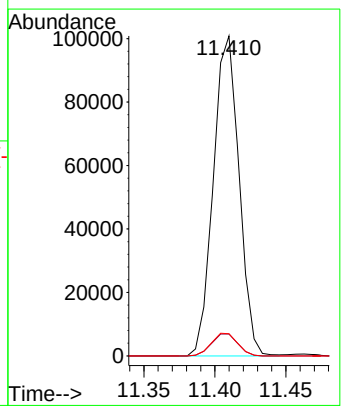


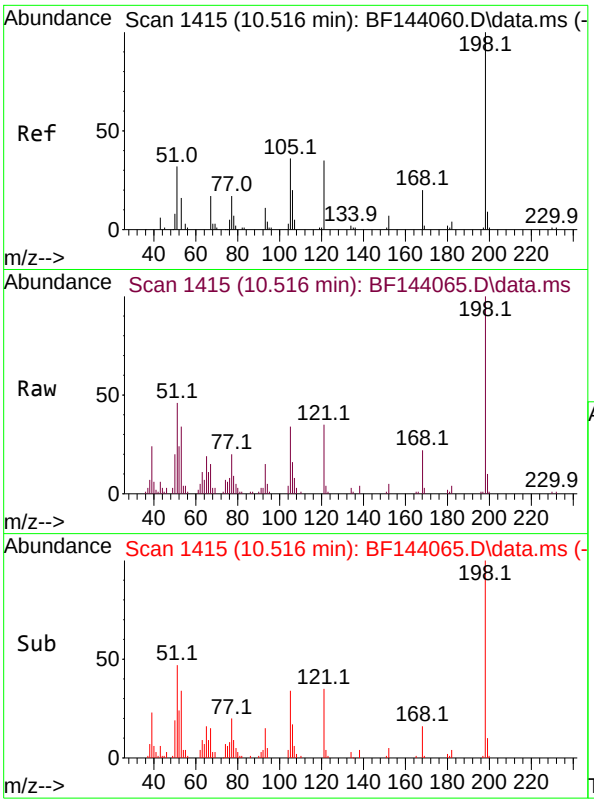


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:188 Resp: 127305

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.4	8.0
80	6.9	6.0	9.0



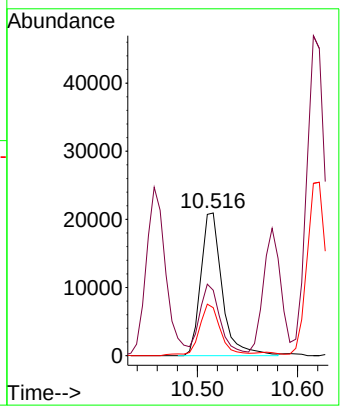


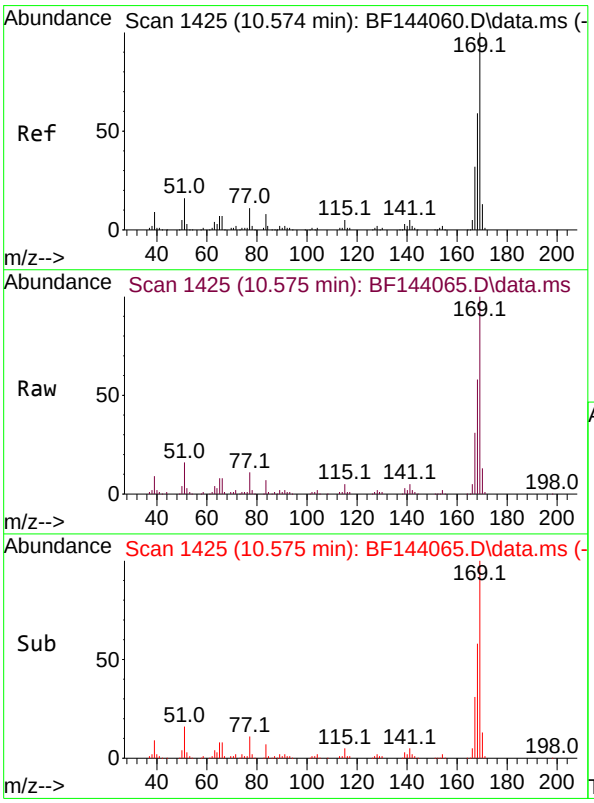
#65
4,6-Dinitro-2-methylphenol
Concen: 37.867 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:198 Resp: 30929

Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.8	65.8
105	33.6	17.2	57.2

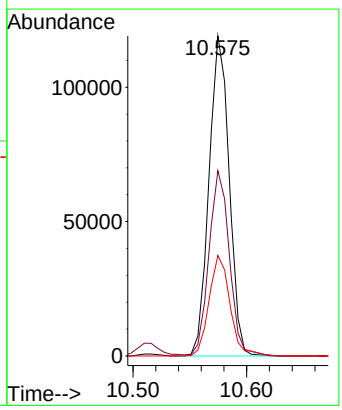


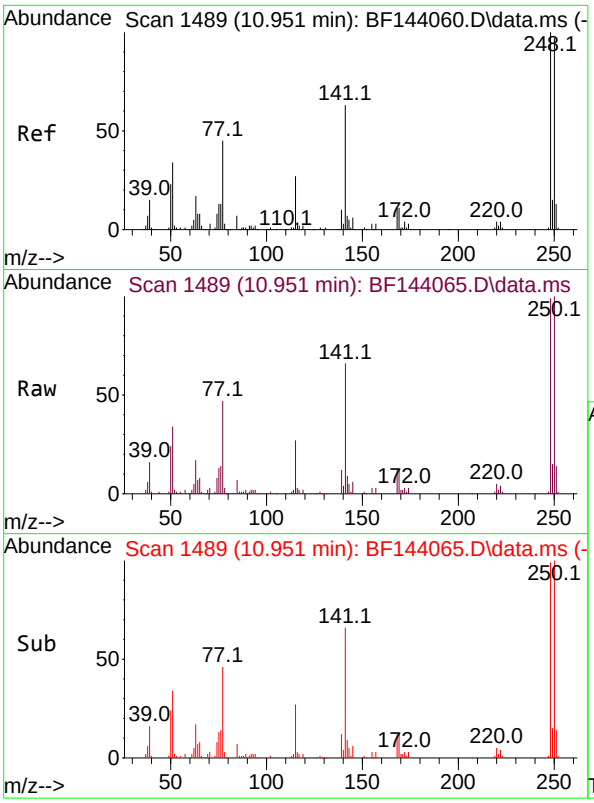


#66
n-Nitrosodiphenylamine
Concen: 36.075 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:169 Resp: 146733

Ion	Ratio	Lower	Upper
169	100		
168	57.9	47.4	71.2
167	31.4	25.5	38.3



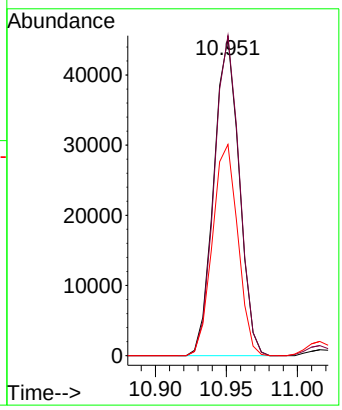


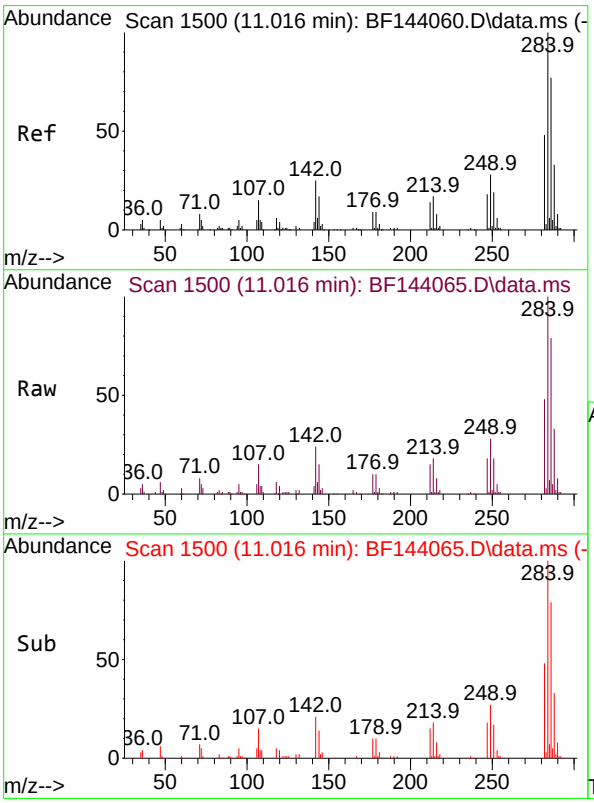
#67
4-Bromophenyl-phenylether
Concen: 35.313 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:248 Resp: 56286

Ion	Ratio	Lower	Upper
248	100		
250	100.6	77.8	116.6
141	66.4	50.5	75.7

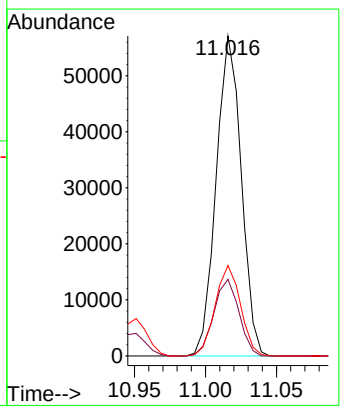


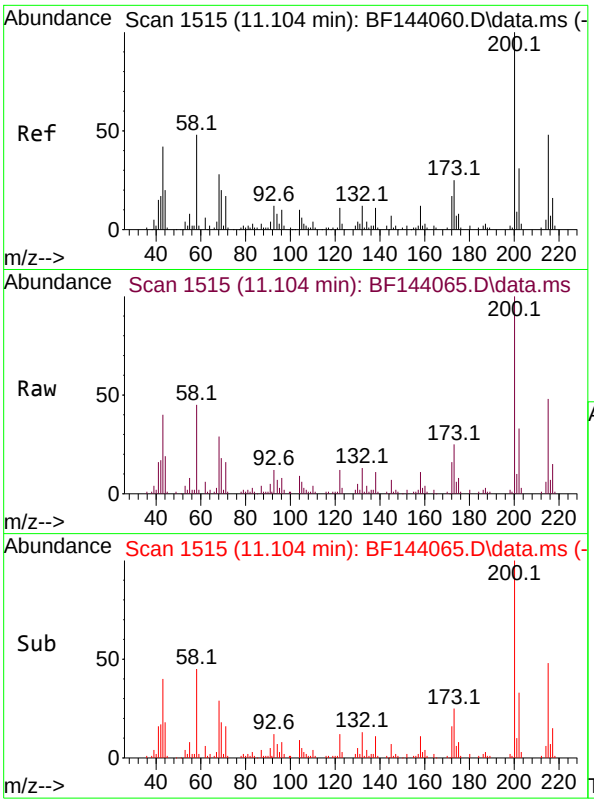


#68
Hexachlorobenzene
Concen: 35.903 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:284 Resp: 70184

Ion	Ratio	Lower	Upper
284	100		
142	23.9	20.0	30.0
249	28.2	22.2	33.2



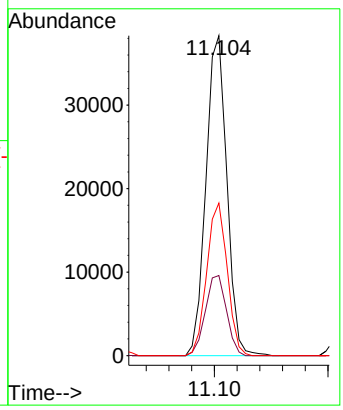


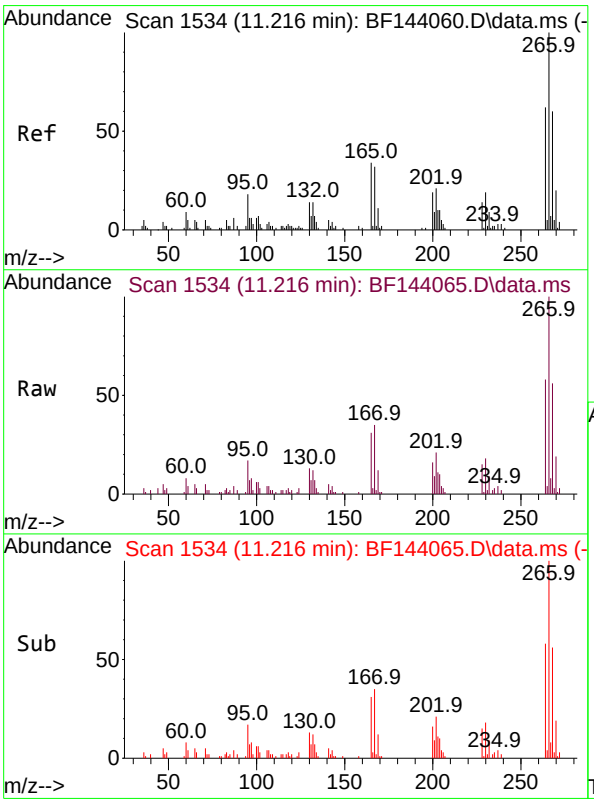
#69
Atrazine
Concen: 36.643 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:200 Resp: 48908

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.9	44.9
215	47.7	28.2	68.2

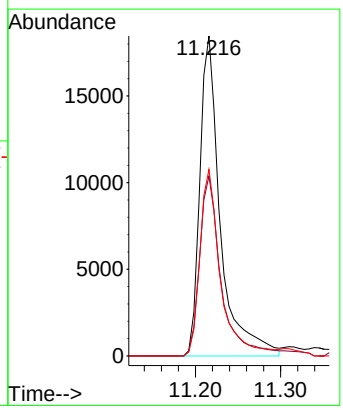


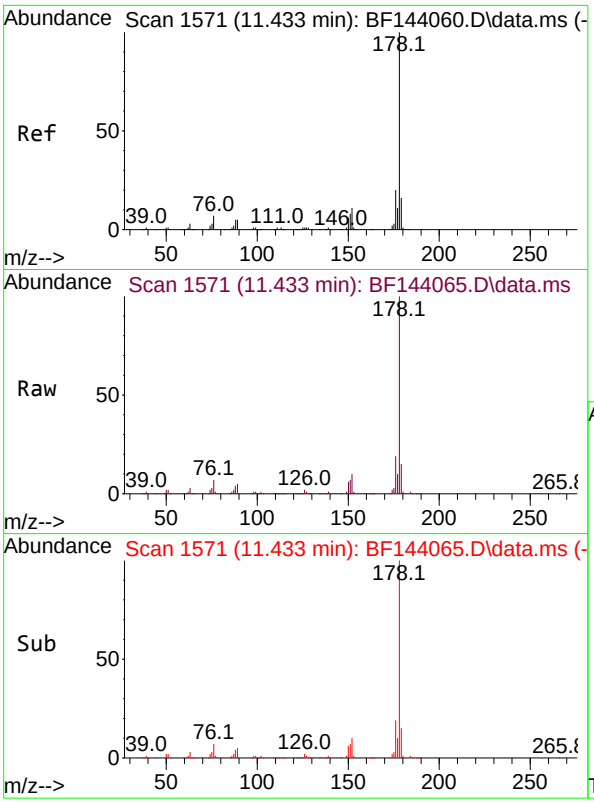


#70
Pentachlorophenol
Concen: 33.237 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:266 Resp: 30927

Ion	Ratio	Lower	Upper
266	100		
268	56.2	48.2	72.4
264	58.3	49.4	74.0



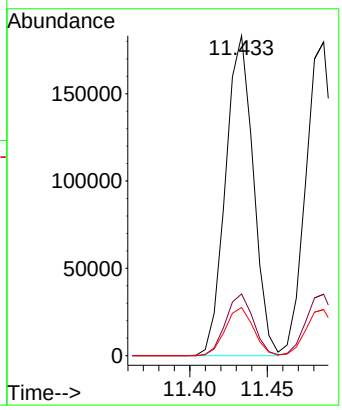


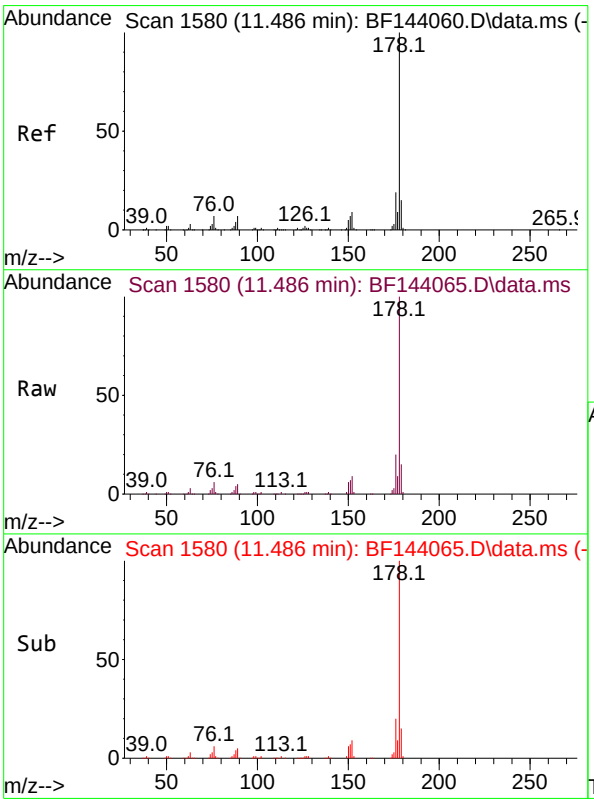
#71
Phenanthrene
Concen: 36.120 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:178 Resp: 228423

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.0	12.6	18.8

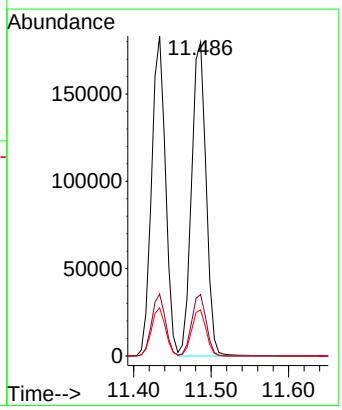


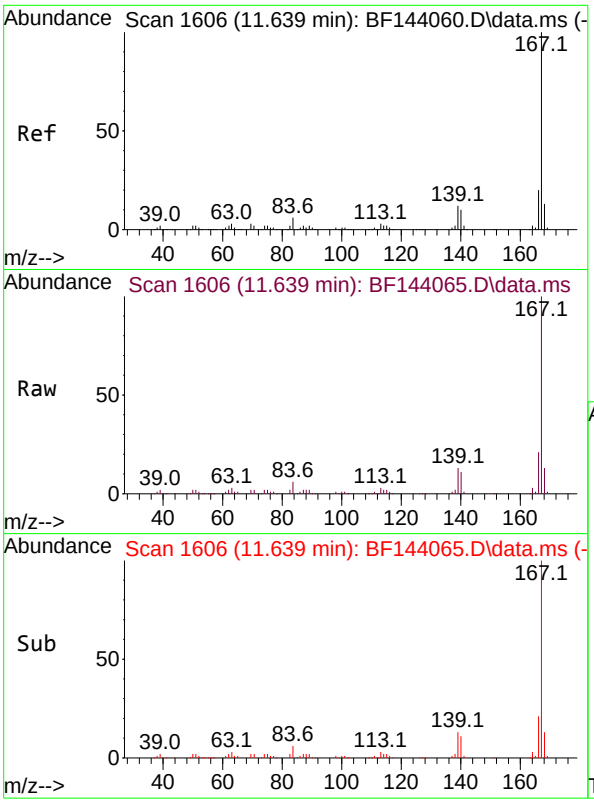


#72
Anthracene
Concen: 35.782 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:178 Resp: 233757

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	14.7	11.8	17.6



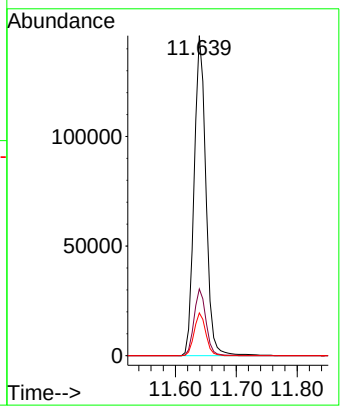


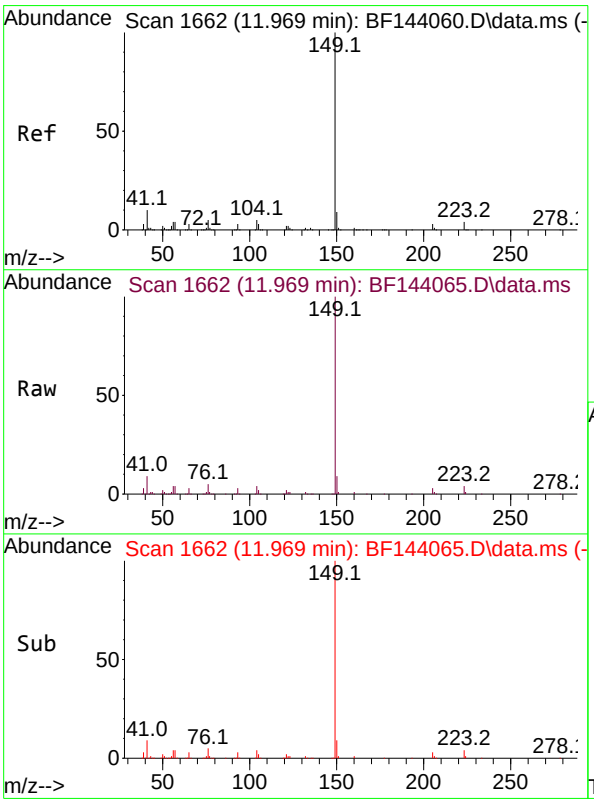
#73
Carbazole
Concen: 35.250 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:167 Resp: 196006

Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.1	24.1
139	13.3	9.8	14.6

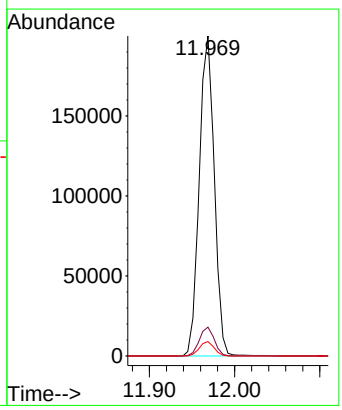


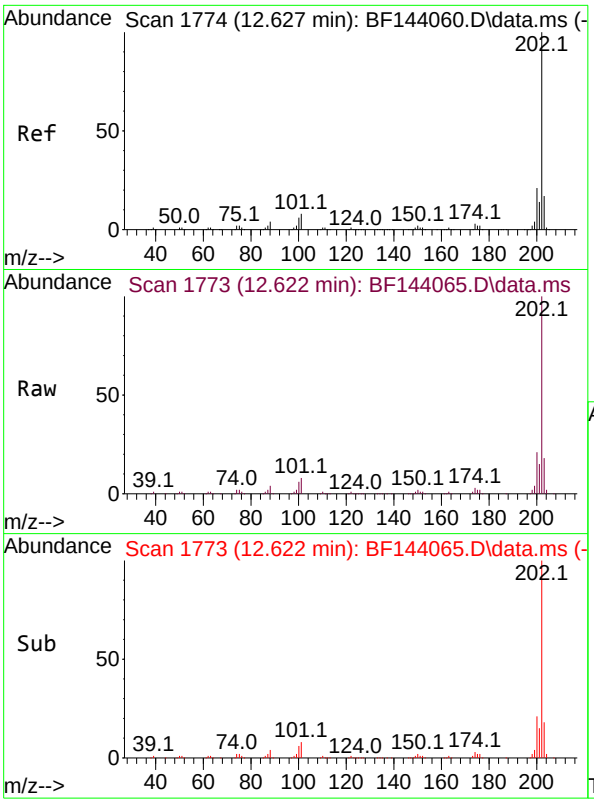


#74
Di-n-butylphthalate
Concen: 35.967 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:149 Resp: 245199

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.5	3.6	5.4



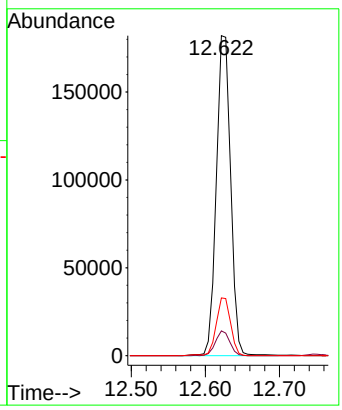


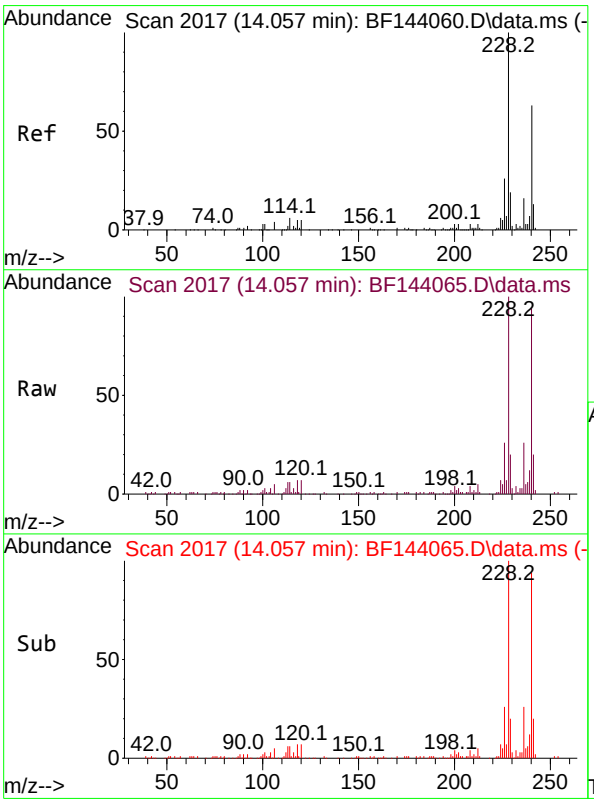
#75
Fluoranthene
Concen: 34.929 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:202 Resp: 244043

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.7
203	18.0	0.0	37.3

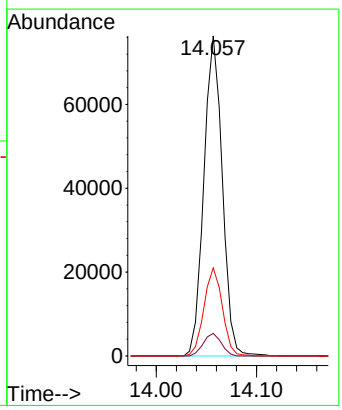


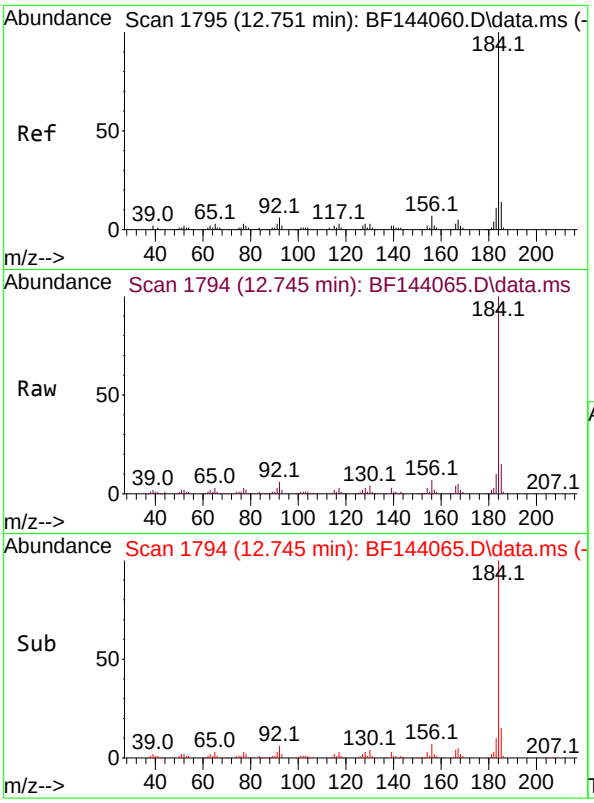


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:240 Resp: 97298

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	27.5	20.1	30.1



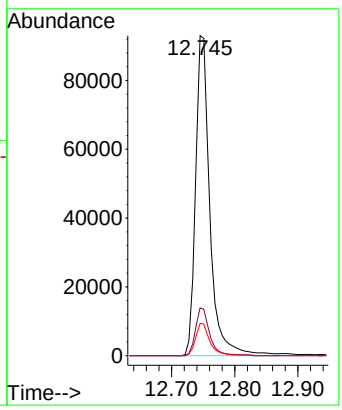


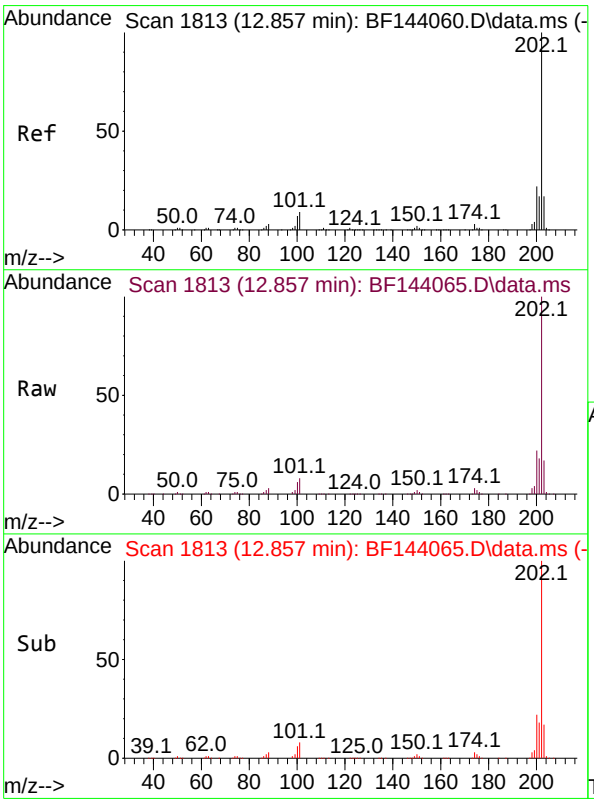
#77
Benzidine
Concen: 48.386 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:184 Resp: 146518

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	10.1	8.5	12.7

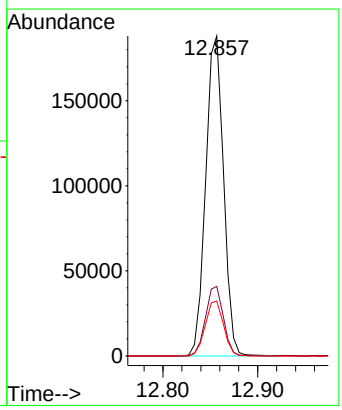


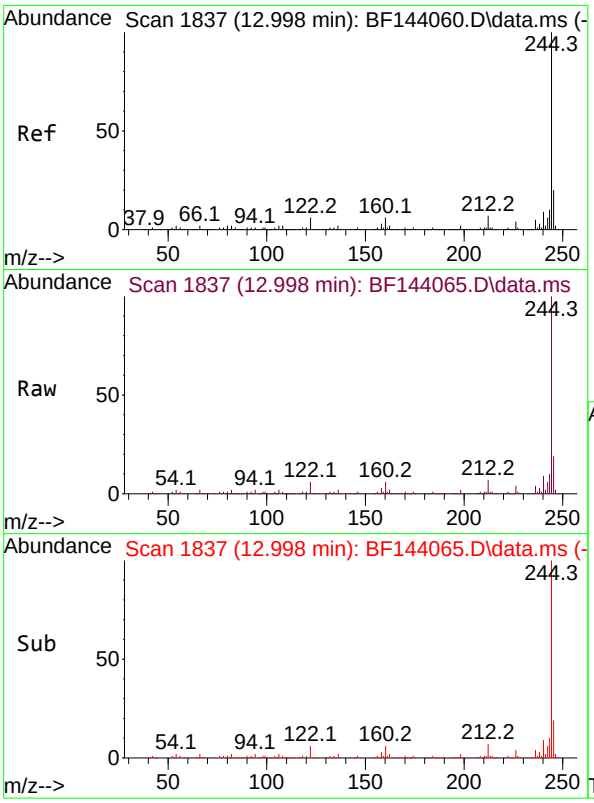


#78
Pyrene
Concen: 35.297 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:202 Resp: 246902

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.1	13.5	20.3



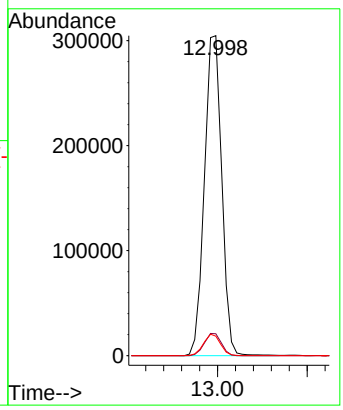


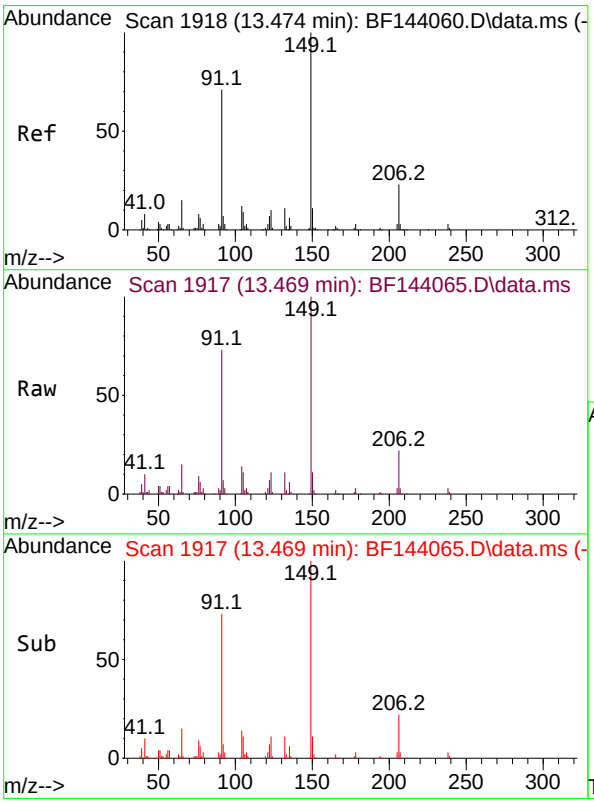
#79
Terphenyl-d14
Concen: 73.542 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:244 Resp: 409300

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.1	4.9	7.3

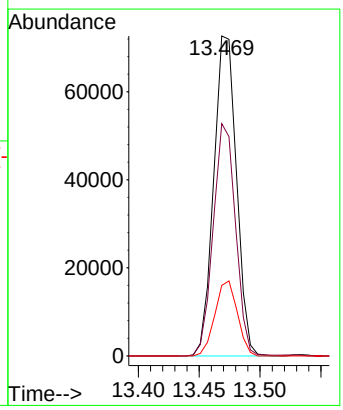


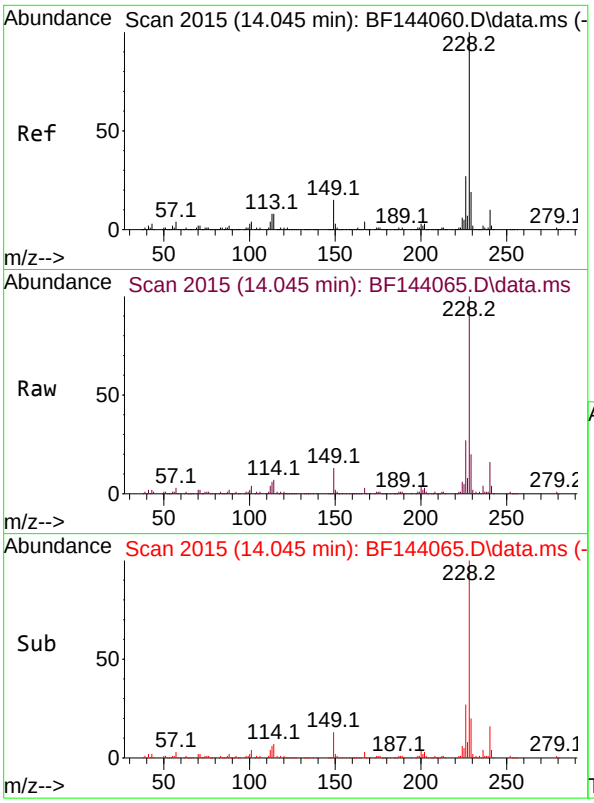


#80
Butylbenzylphthalate
Concen: 35.741 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:149 Resp: 94583

Ion	Ratio	Lower	Upper
149	100		
91	72.6	56.6	84.8
206	22.0	18.3	27.5



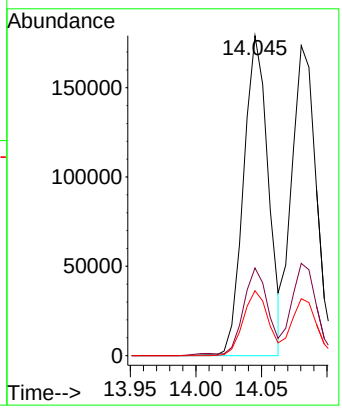


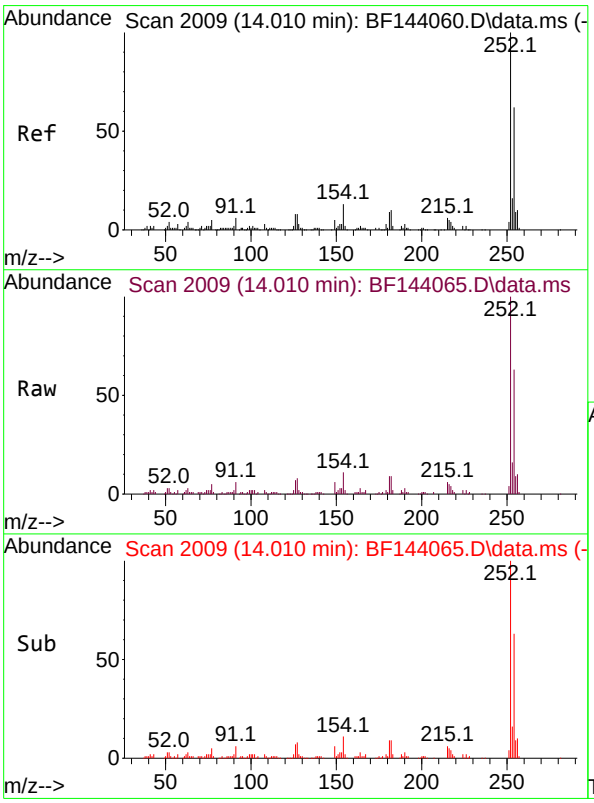
#81
Benzo(a)anthracene
Concen: 35.620 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:228 Resp: 234218

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.3	15.3	22.9

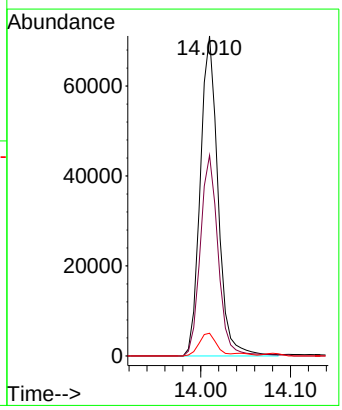


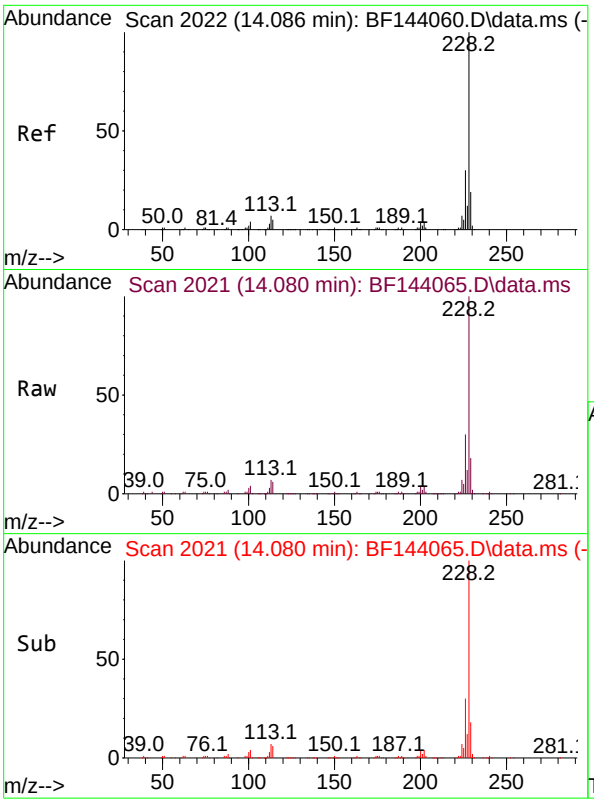


#82
3,3'-Dichlorobenzidine
Concen: 42.643 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:252 Resp: 97608

Ion	Ratio	Lower	Upper
252	100		
254	62.7	49.9	74.9
126	7.1	6.5	9.7



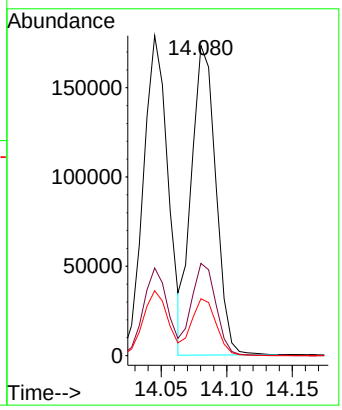


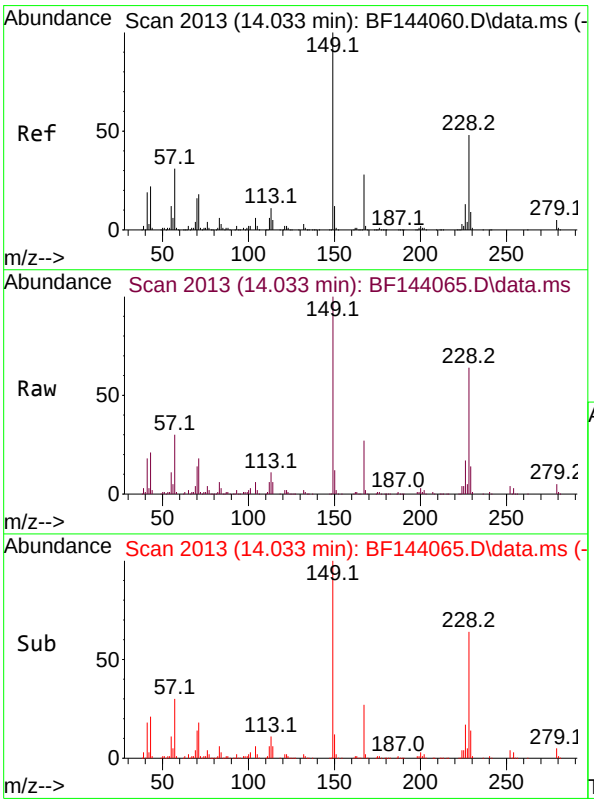
#83
Chrysene
Concen: 36.371 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:228 Resp: 224422

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	18.4	15.6	23.4

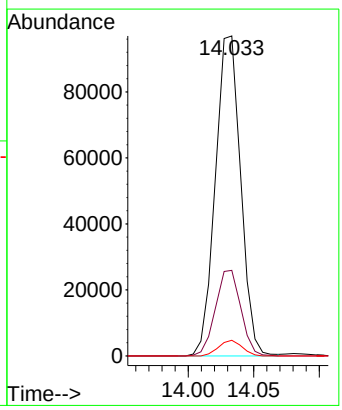


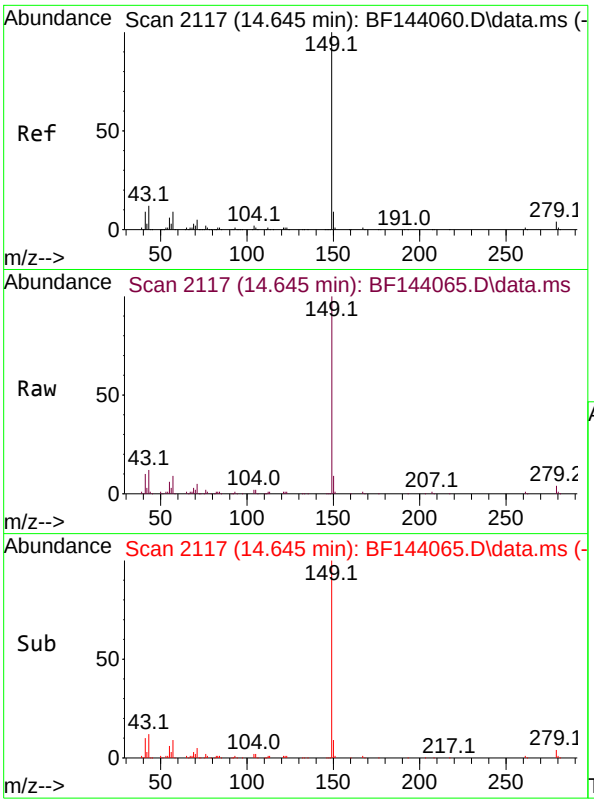


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.110 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:149 Resp: 130456

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.5	33.7
279	4.9	3.6	5.4



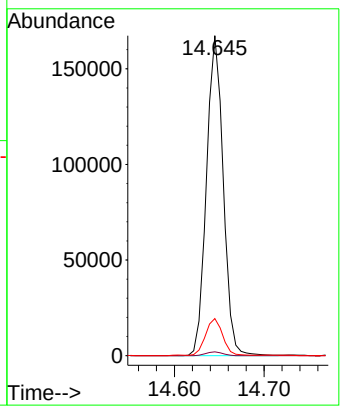


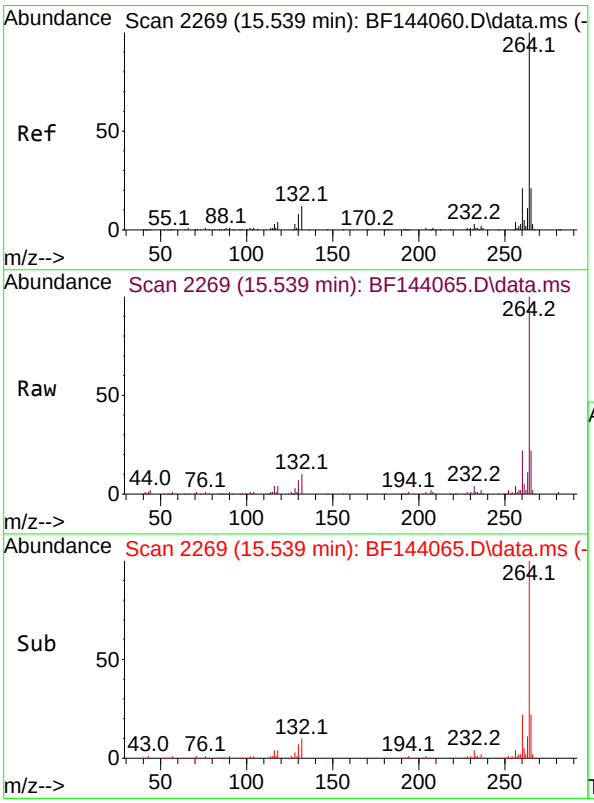
#85
Di-n-octyl phthalate
Concen: 35.142 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:149 Resp: 218335

Ion	Ratio	Lower	Upper
149	100		
167	1.2	1.2	1.8#
43	12.0	9.3	13.9

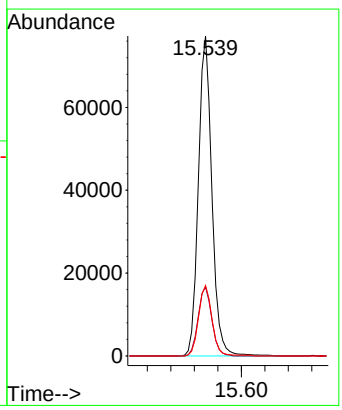


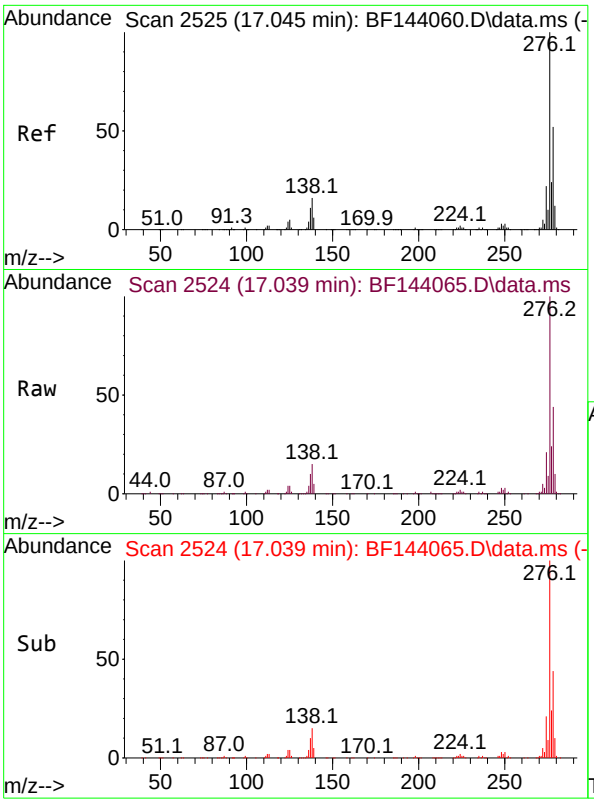


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:264 Resp: 122912

Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.0	25.4
265	22.0	16.6	24.8



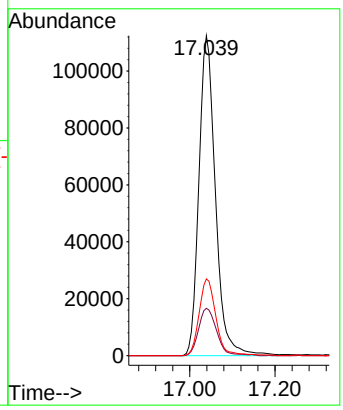


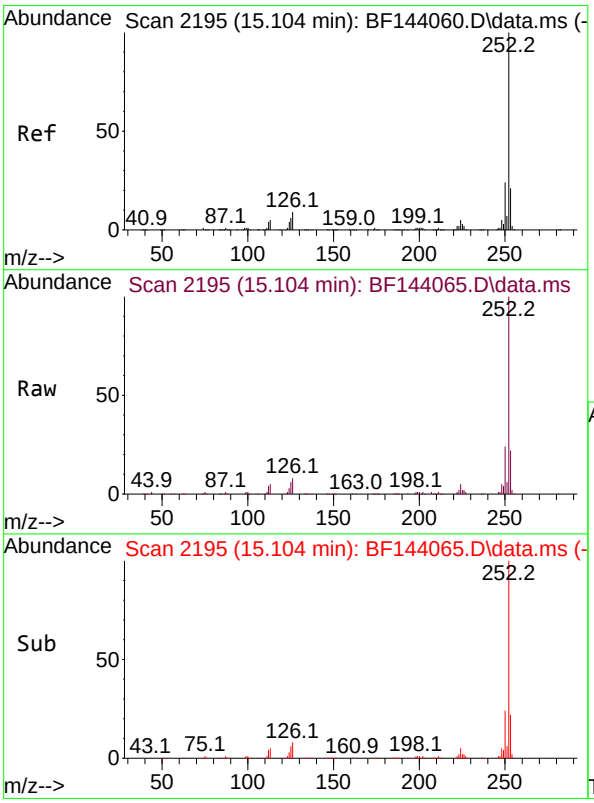
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.856 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:276 Resp: 302575

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.6
277	24.4	19.4	29.0

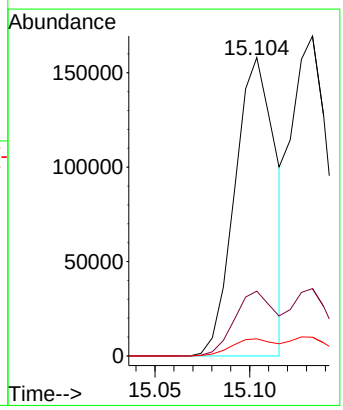


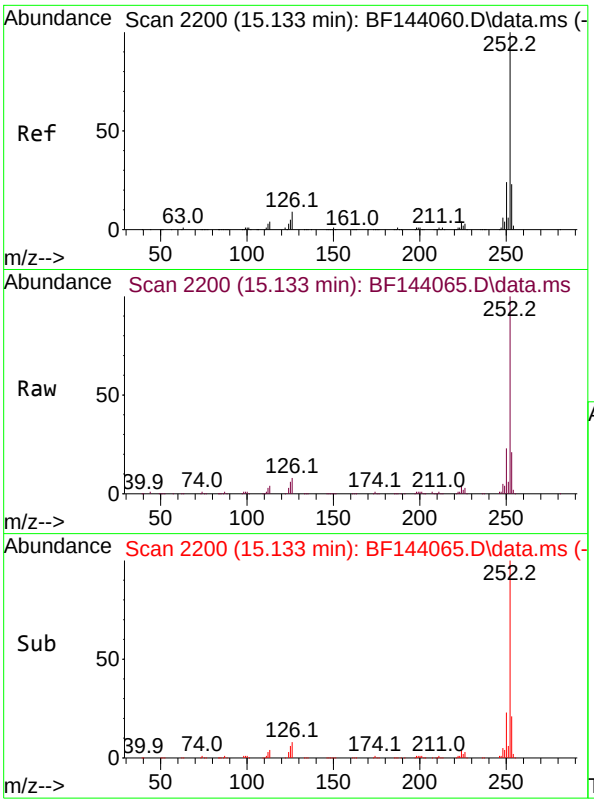


#88
Benzo(b)fluoranthene
Concen: 33.715 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:252 Resp: 234274

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	5.7	5.0	7.6



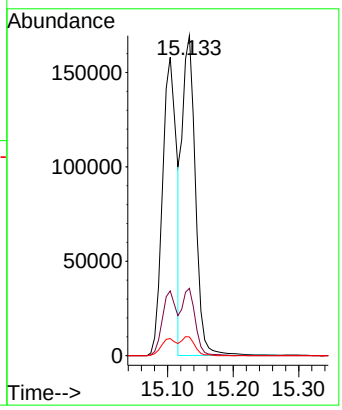


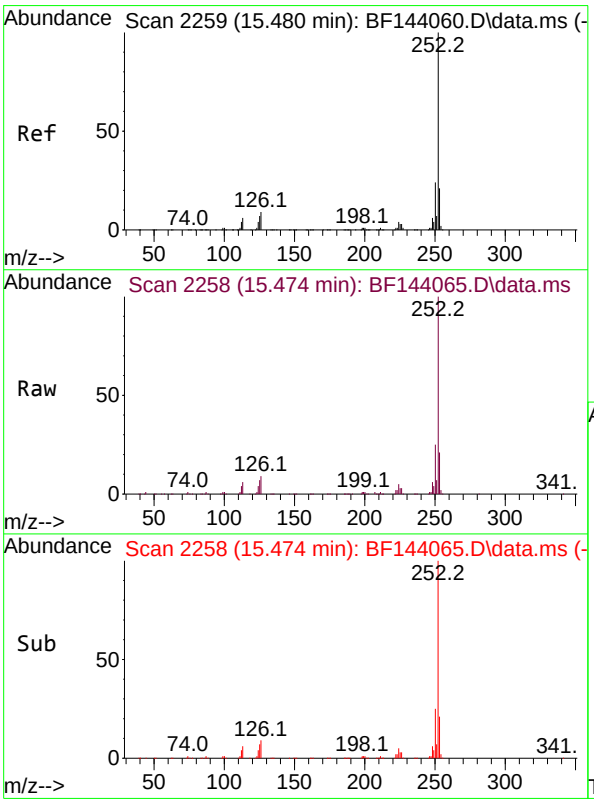
#89
Benzo(k)fluoranthene
Concen: 37.516 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:252 Resp: 240517

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	5.8	4.9	7.3

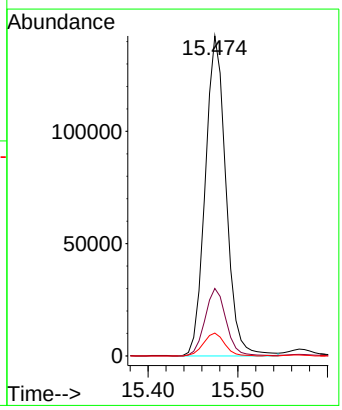


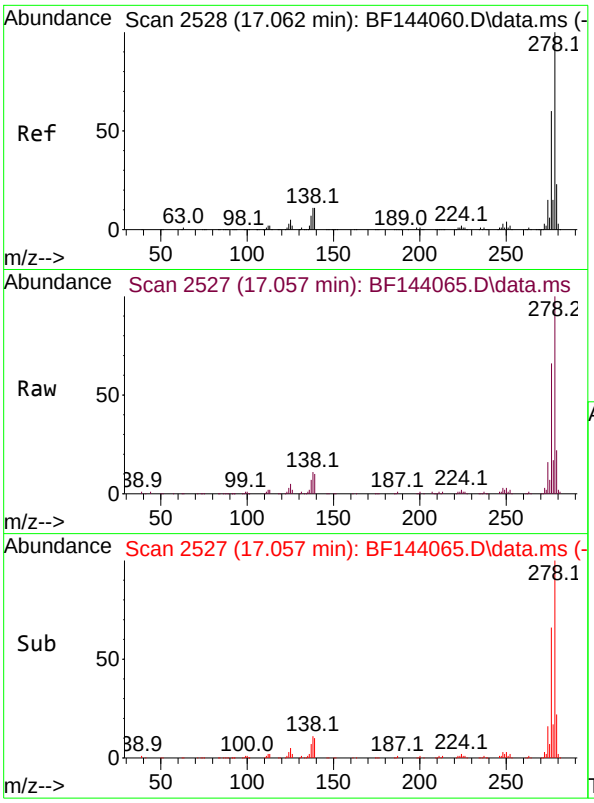


#90
Benzo(a)pyrene
Concen: 36.773 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:252 Resp: 229237

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	7.1	5.4	8.2



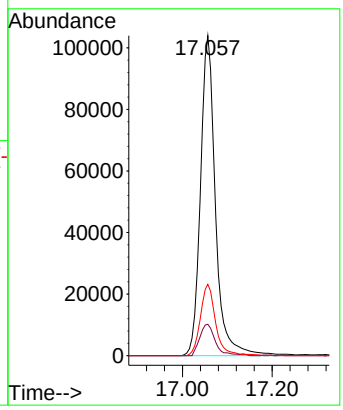


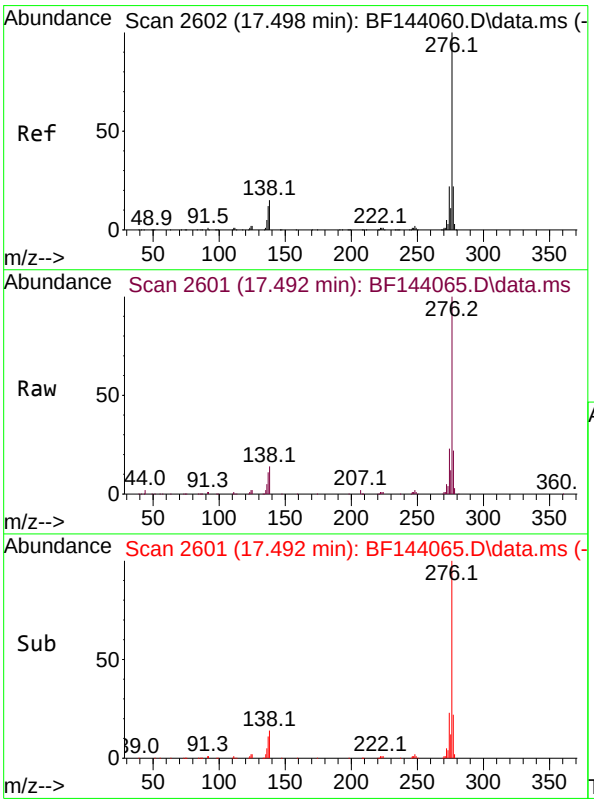
#91
Dibenzo(a,h)anthracene
Concen: 36.012 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:278 Resp: 240551

Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.5	12.7
279	22.3	18.6	28.0

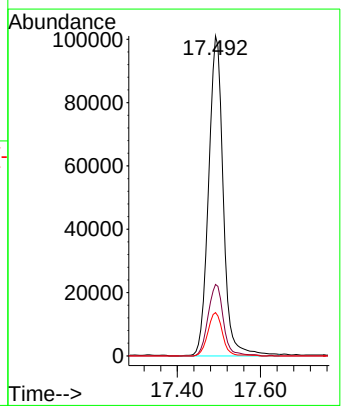




#92
Benzo(g,h,i)perylene
Concen: 36.942 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:276 Resp: 248094

Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	13.5	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2		1,4-Dioxane	40.000	35.621	10.9	71	0.00
3		Pyridine	40.000	32.576	18.6	63	0.00
4		n-Nitrosodimethylamine	40.000	36.893	7.8	73	0.00
5	S	2-Fluorophenol	80.000	70.283	12.1	68	0.00
6		Aniline	40.000	36.320	9.2	72	0.00
7	S	Phenol-d6	80.000	68.955	13.8	69	0.00
8		2-Chlorophenol	40.000	33.579	16.1	67	0.00
9		Benzaldehyde	40.000	34.852	12.9	73	0.00
10	C	Phenol	40.000	34.853	12.9	69	0.00
11		bis(2-Chloroethyl)ether	40.000	33.851	15.4	68	0.00
12		1,3-Dichlorobenzene	40.000	36.971	7.6	73	0.00
13	C	1,4-Dichlorobenzene	40.000	37.183	7.0	73	0.00
14		1,2-Dichlorobenzene	40.000	35.872	10.3	71	0.00
15		Benzyl Alcohol	40.000	36.330	9.2	72	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.517	13.7	68	0.00
17		2-Methylphenol	40.000	35.152	12.1	73	0.00
18		Hexachloroethane	40.000	34.696	13.3	69	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.002	12.5	72	0.00
20		3+4-Methylphenols	40.000	36.095	9.8	70	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22		Acetophenone	40.000	38.453	3.9	74	0.00
23	S	Nitrobenzene-d5	80.000	70.696	11.6	68	0.00
24		Nitrobenzene	40.000	36.753	8.1	70	0.00
25		Isophorone	40.000	36.322	9.2	70	0.00
26	C	2-Nitrophenol	40.000	36.360	9.1	68	0.00
27		2,4-Dimethylphenol	40.000	39.405	1.5	73	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.182	12.0	67	0.00
29	C	2,4-Dichlorophenol	40.000	35.901	10.2	69	0.00
30		1,2,4-Trichlorobenzene	40.000	38.739	3.2	74	0.00
31		Naphthalene	40.000	35.834	10.4	68	0.00
32		Benzoic acid	40.000	44.054	-10.1	102	0.00
33		4-Chloroaniline	40.000	41.428	-3.6	79	0.00
34	C	Hexachlorobutadiene	40.000	38.260	4.4	74	0.00
35		Caprolactam	40.000	35.331	11.7	65	0.00
36	C	4-Chloro-3-methylphenol	40.000	36.112	9.7	70	0.00
37		2-Methylnaphthalene	40.000	33.233	16.9	62	0.00
38		1-Methylnaphthalene	40.000	35.945	10.1	70	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	35.121	12.2	71	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.585	-21.5	99	0.00
42	S	2,4,6-Tribromophenol	80.000	68.551	14.3	69	0.00
43	C	2,4,6-Trichlorophenol	40.000	33.986	15.0	67	0.00
44		2,4,5-Trichlorophenol	40.000	36.018	10.0	75	0.00
45	S	2-Fluorobiphenyl	80.000	67.717	15.4	69	0.00
46		1,1'-Biphenyl	40.000	35.345	11.6	71	0.00
47		2-Chloronaphthalene	40.000	34.908	12.7	71	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	36.621	8.4	71	0.00
49		Acenaphthylene	40.000	39.474	1.3	78	0.00
50		Dimethylphthalate	40.000	34.098	14.8	68	0.00
51		2,6-Dinitrotoluene	40.000	35.461	11.3	69	0.00
52	C	Acenaphthene	40.000	35.145	12.1	71	0.00
53		3-Nitroaniline	40.000	35.804	10.5	67	0.00
54	P	2,4-Dinitrophenol	40.000	41.102	-2.8	97	0.00
55		Dibenzofuran	40.000	34.140	14.6	68	0.00
56	P	4-Nitrophenol	40.000	38.254	4.4	83	0.00
57		2,4-Dinitrotoluene	40.000	37.002	7.5	70	0.00
58		Fluorene	40.000	34.864	12.8	70	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.232	1.9	75	0.00
60		Diethylphthalate	40.000	35.442	11.4	70	0.00
61		4-Chlorophenyl-phenylether	40.000	35.479	11.3	70	0.00
62		4-Nitroaniline	40.000	33.756	15.6	65	0.00
63		Azobenzene	40.000	36.422	8.9	71	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.867	5.3	79	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.075	9.8	72	0.00
67		4-Bromophenyl-phenylether	40.000	35.313	11.7	68	0.00
68		Hexachlorobenzene	40.000	35.903	10.2	68	0.00
69		Atrazine	40.000	36.643	8.4	74	0.00
70	C	Pentachlorophenol	40.000	33.237	16.9	65	0.00
71		Phenanthrene	40.000	36.120	9.7	70	0.00
72		Anthracene	40.000	35.782	10.5	70	0.00
73		Carbazole	40.000	35.250	11.9	68	0.00
74		Di-n-butylphthalate	40.000	35.967	10.1	69	0.00
75	C	Fluoranthene	40.000	34.929	12.7	68	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	48.386	-21.0	89	0.00
78		Pyrene	40.000	35.297	11.8	66	0.00
79	S	Terphenyl-d14	80.000	73.542	8.1	68	0.00
80		Butylbenzylphthalate	40.000	35.741	10.6	64	0.00
81		Benzo(a)anthracene	40.000	35.620	11.0	62	0.00
82		3,3'-Dichlorobenzidine	40.000	42.643	-6.6	77	0.00
83		Chrysene	40.000	36.371	9.1	69	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.110	9.7	66	0.00
85	c	Di-n-octyl phthalate	40.000	35.142	12.1	63	0.00
86	I	Perylene-d12	20.000	20.000	0.0	80	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	35.856	10.4	67	0.00
88		Benzo(b)fluoranthene	40.000	33.715	15.7	61	0.00
89		Benzo(k)fluoranthene	40.000	37.516	6.2	74	0.00
90	C	Benzo(a)pyrene	40.000	36.773	8.1	69	0.00
91		Dibenzo(a,h)anthracene	40.000	36.012	10.0	67	0.00
92		Benzo(g,h,i)perylene	40.000	36.942	7.6	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2		1,4-Dioxane	0.546	0.486	11.0	71	0.00
3		Pyridine	1.462	1.191	18.5	63	0.00
4		n-Nitrosodimethylamine	0.899	0.829	7.8	73	0.00
5	S	2-Fluorophenol	1.264	1.111	12.1	68	0.00
6		Aniline	1.997	1.814	9.2	72	0.00
7	S	Phenol-d6	1.396	1.203	13.8	69	0.00
8		2-Chlorophenol	1.245	1.045	16.1	67	0.00
9		Benzaldehyde	1.084	0.944	12.9	73	0.00
10	C	Phenol	1.722	1.501	12.8	69	0.00
11		bis(2-Chloroethyl)ether	1.245	1.053	15.4	68	0.00
12		1,3-Dichlorobenzene	1.536	1.419	7.6	73	0.00
13	C	1,4-Dichlorobenzene	1.513	1.407	7.0	73	0.00
14		1,2-Dichlorobenzene	1.464	1.313	10.3	71	0.00
15		Benzyl Alcohol	1.135	1.031	9.2	72	0.00
16		2,2'-oxybis(1-Chloropropane	2.339	2.018	13.7	68	0.00
17		2-Methylphenol	0.957	0.841	12.1	73	0.00
18		Hexachloroethane	0.541	0.469	13.3	69	0.00
19	P	n-Nitroso-di-n-propylamine	0.903	0.790	12.5	72	0.00
20		3+4-Methylphenols	1.132	1.021	9.8	70	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22		Acetophenone	0.432	0.416	3.7	74	0.00
23	S	Nitrobenzene-d5	0.365	0.323	11.5	68	0.00
24		Nitrobenzene	0.386	0.355	8.0	70	0.00
25		Isophorone	0.638	0.580	9.1	70	0.00
26	C	2-Nitrophenol	0.184	0.167	9.2	68	0.00
27		2,4-Dimethylphenol	0.273	0.269	1.5	73	0.00
28		bis(2-Chloroethoxy)methane	0.398	0.350	12.1	67	0.00
29	C	2,4-Dichlorophenol	0.317	0.285	10.1	69	0.00
30		1,2,4-Trichlorobenzene	0.327	0.316	3.4	74	0.00
31		Naphthalene	0.944	0.846	10.4	68	0.00
32		Benzoic acid	0.173	0.191	-10.4	102	0.00
33		4-Chloroaniline	0.329	0.340	-3.3	79	0.00
34	C	Hexachlorobutadiene	0.267	0.255	4.5	74	0.00
35		Caprolactam	0.080	0.070	12.5	65	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.253	9.6	70	0.00
37		2-Methylnaphthalene	0.622	0.517	16.9	62	0.00
38		1-Methylnaphthalene	0.590	0.530	10.2	70	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.687	0.604	12.1	71	0.00
41	P	Hexachlorocyclopentadiene	0.212	0.258	-21.7	99	0.00
42	S	2,4,6-Tribromophenol	0.255	0.218	14.5	69	0.00
43	C	2,4,6-Trichlorophenol	0.447	0.380	15.0	67	0.00
44		2,4,5-Trichlorophenol	0.469	0.422	10.0	75	0.00
45	S	2-Fluorobiphenyl	1.421	1.203	15.3	69	0.00
46		1,1'-Biphenyl	1.432	1.265	11.7	71	0.00
47		2-Chloronaphthalene	1.199	1.047	12.7	71	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.356	0.326	8.4	71	0.00
49		Acenaphthylene	1.617	1.596	1.3	78	0.00
50		Dimethylphthalate	1.311	1.118	14.7	68	0.00
51		2,6-Dinitrotoluene	0.259	0.230	11.2	69	0.00
52	C	Acenaphthene	1.080	0.949	12.1	71	0.00
53		3-Nitroaniline	0.288	0.258	10.4	67	0.00
54	P	2,4-Dinitrophenol	0.140	0.144	-2.9	97	0.00
55		Dibenzofuran	1.499	1.280	14.6	68	0.00
56	P	4-Nitrophenol	0.195	0.187	4.1	83	0.00
57		2,4-Dinitrotoluene	0.350	0.324	7.4	70	0.00
58		Fluorene	1.143	0.996	12.9	70	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.324	1.8	75	0.00
60		Diethylphthalate	1.233	1.092	11.4	70	0.00
61		4-Chlorophenyl-phenylether	0.643	0.570	11.4	70	0.00
62		4-Nitroaniline	0.273	0.230	15.8	65	0.00
63		Azobenzene	1.167	1.062	9.0	71	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.121	5.5	79	0.00
66	c	n-Nitrosodiphenylamine	0.639	0.576	9.9	72	0.00
67		4-Bromophenyl-phenylether	0.250	0.221	11.6	68	0.00
68		Hexachlorobenzene	0.307	0.276	10.1	68	0.00
69		Atrazine	0.210	0.192	8.6	74	0.00
70	C	Pentachlorophenol	0.146	0.121	17.1	65	0.00
71		Phenanthrene	0.994	0.897	9.8	70	0.00
72		Anthracene	1.026	0.918	10.5	70	0.00
73		Carbazole	0.874	0.770	11.9	68	0.00
74		Di-n-butylphthalate	1.071	0.963	10.1	69	0.00
75	C	Fluoranthene	1.098	0.958	12.8	68	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.622	0.753	-21.1	89	0.00
78		Pyrene	1.438	1.269	11.8	66	0.00
79	S	Terphenyl-d14	1.144	1.052	8.0	68	0.00
80		Butylbenzylphthalate	0.544	0.486	10.7	64	0.00
81		Benzo(a)anthracene	1.352	1.204	10.9	62	0.00
82		3,3'-Dichlorobenzidine	0.470	0.502	-6.8	77	0.00
83		Chrysene	1.268	1.153	9.1	69	0.00
84		Bis(2-ethylhexyl)phthalate	0.743	0.670	9.8	66	0.00
85	c	Di-n-octyl phthalate	1.277	1.122	12.1	63	0.00
86	I	Perylene-d12	1.000	1.000	0.0	80	0.00
87		Indeno(1,2,3-cd)pyrene	1.373	1.231	10.3	67	0.00
88		Benzo(b)fluoranthene	1.131	0.953	15.7	61	0.00
89		Benzo(k)fluoranthene	1.043	0.978	6.2	74	0.00
90	C	Benzo(a)pyrene	1.014	0.933	8.0	69	0.00
91		Dibenzo(a,h)anthracene	1.087	0.979	9.9	67	0.00
92		Benzo(g,h,i)perylene	1.093	1.009	7.7	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 03 18:16:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85

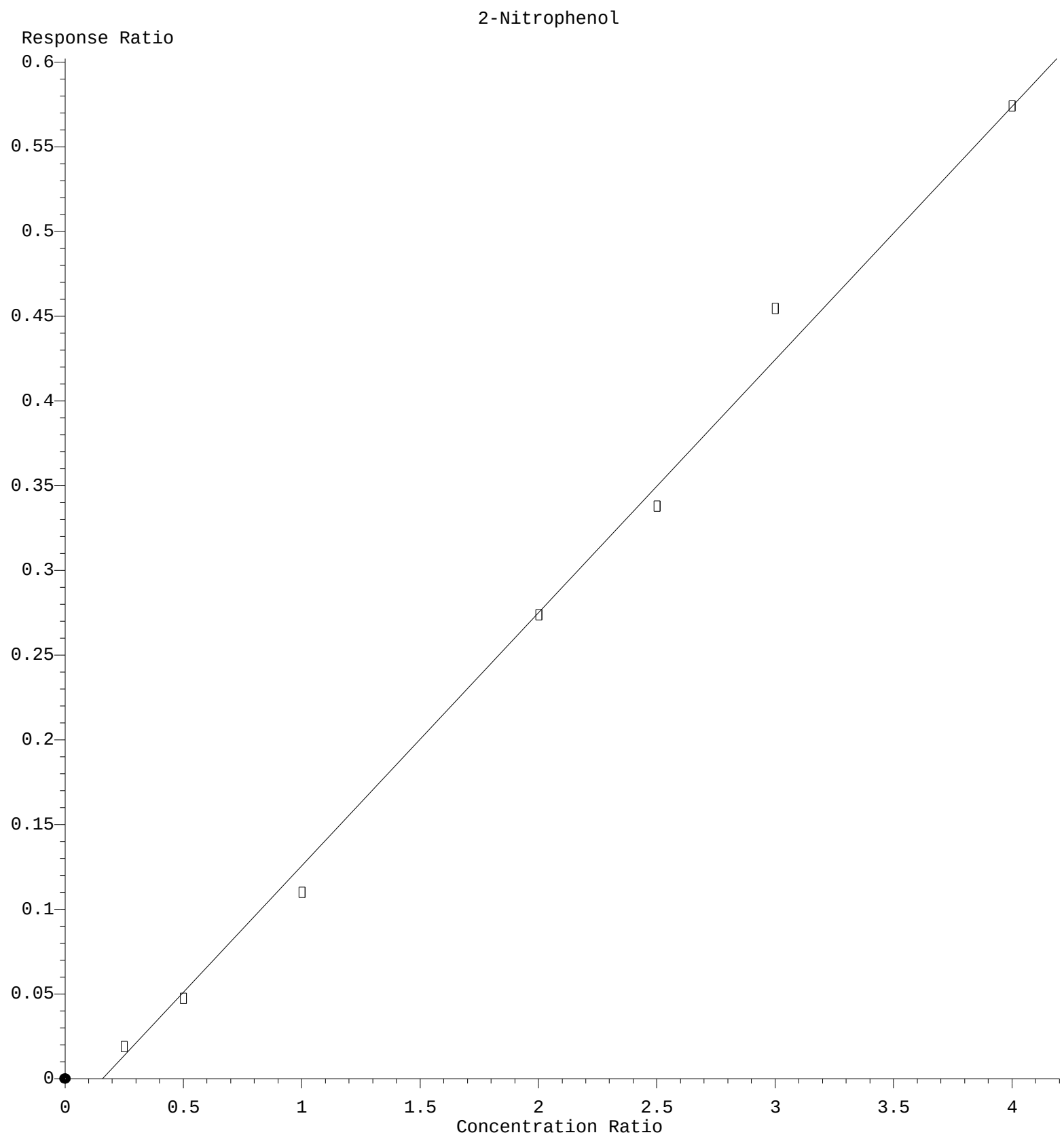
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

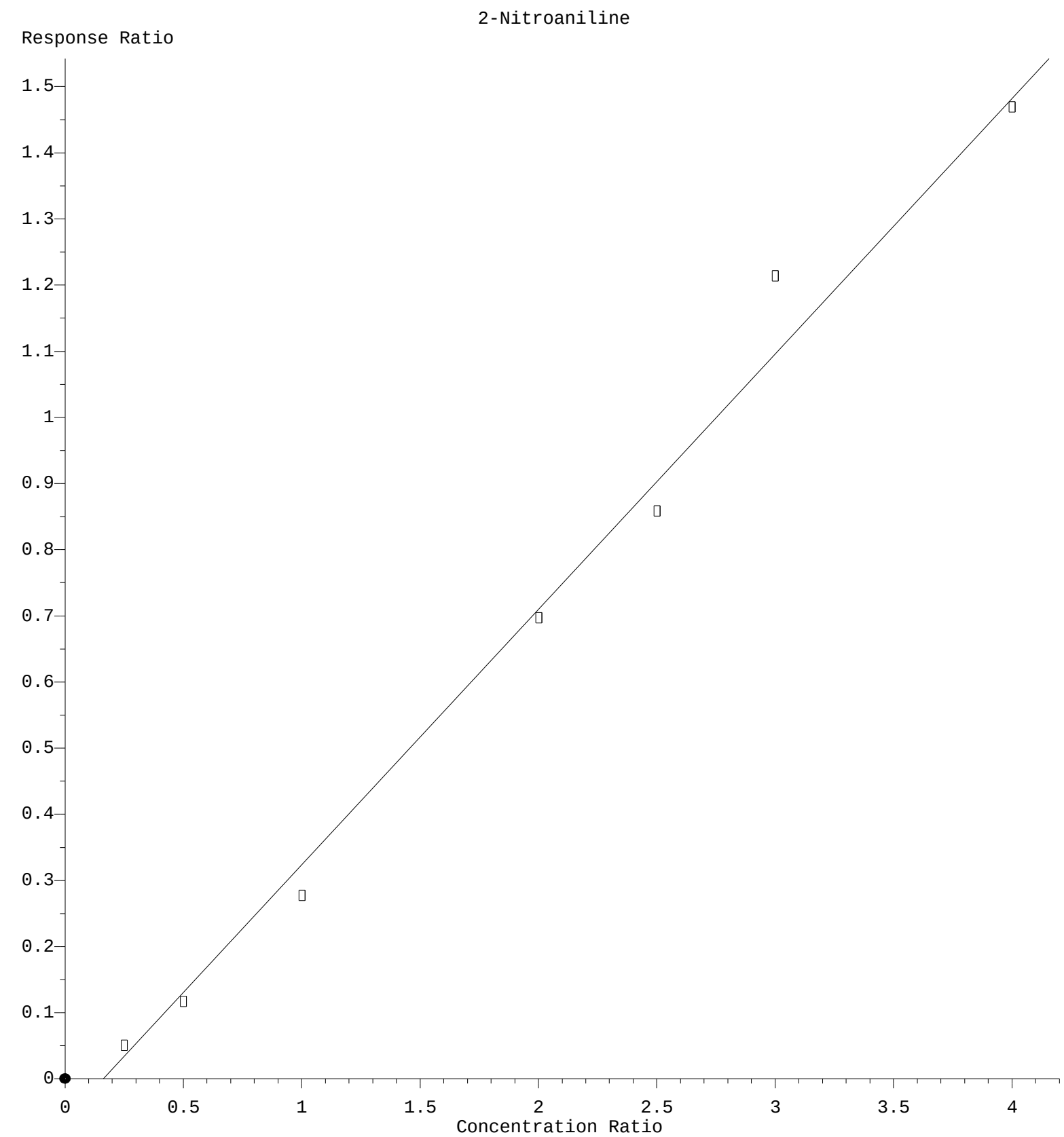
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

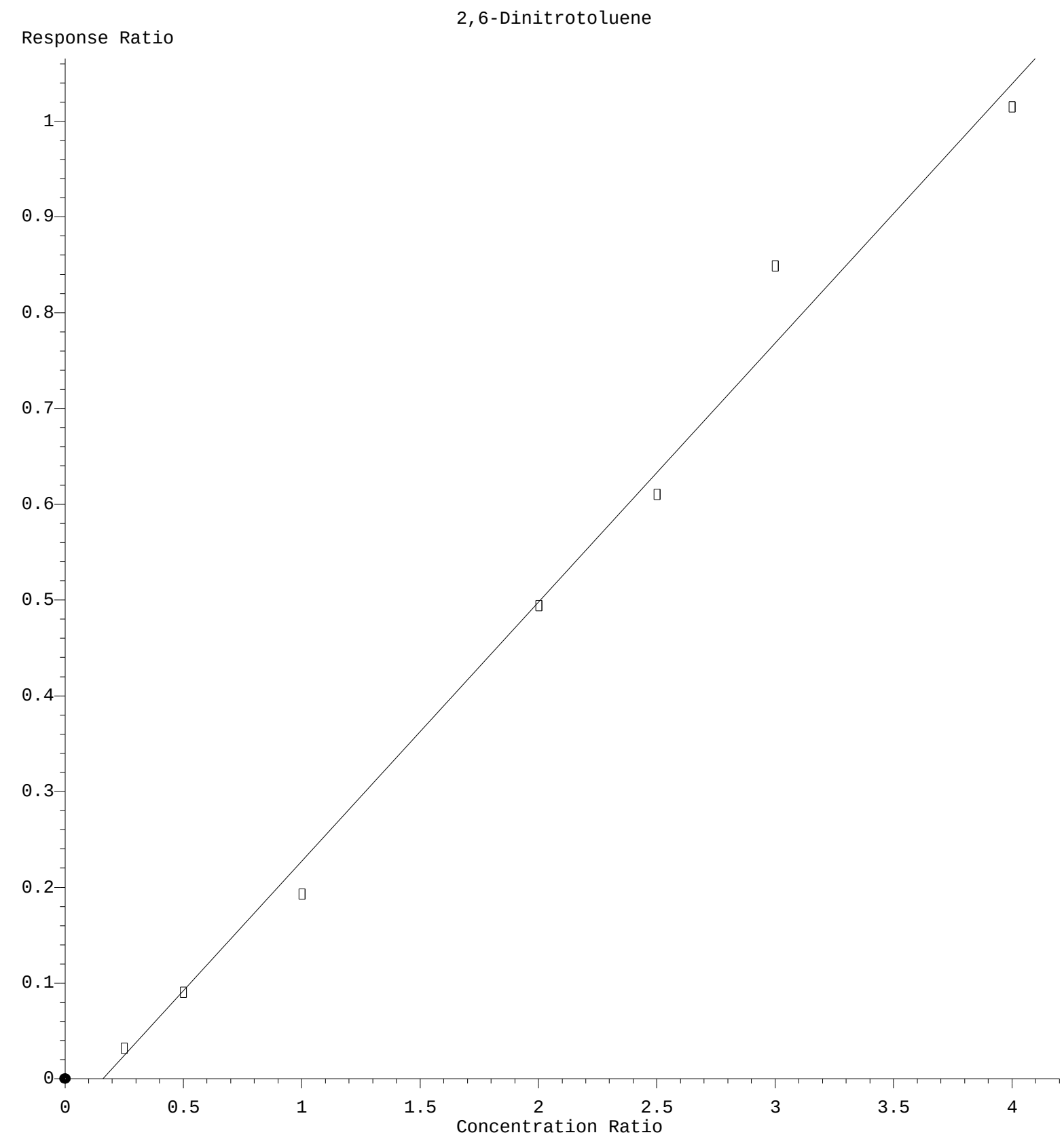
(#) = Out of Range



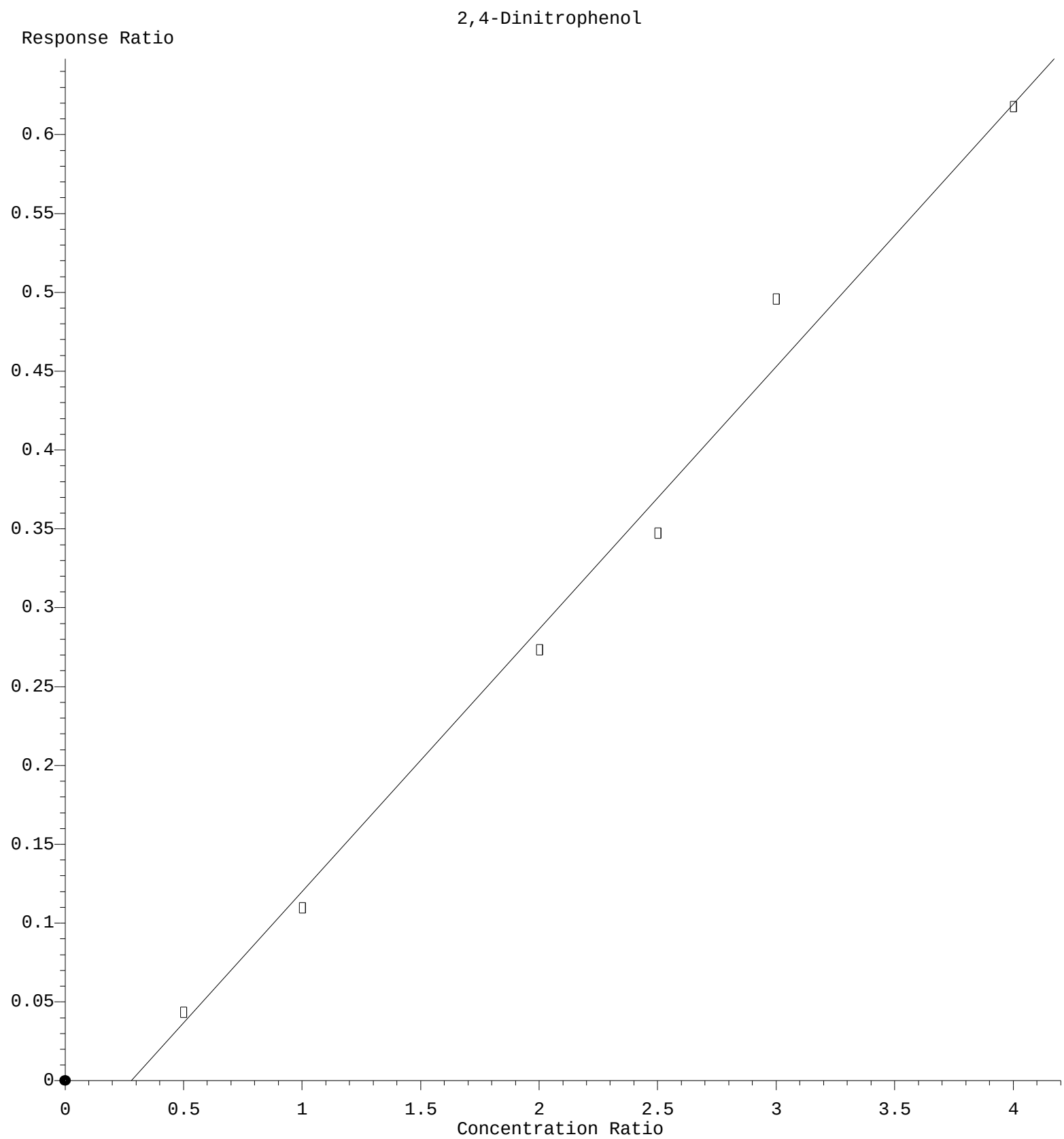
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



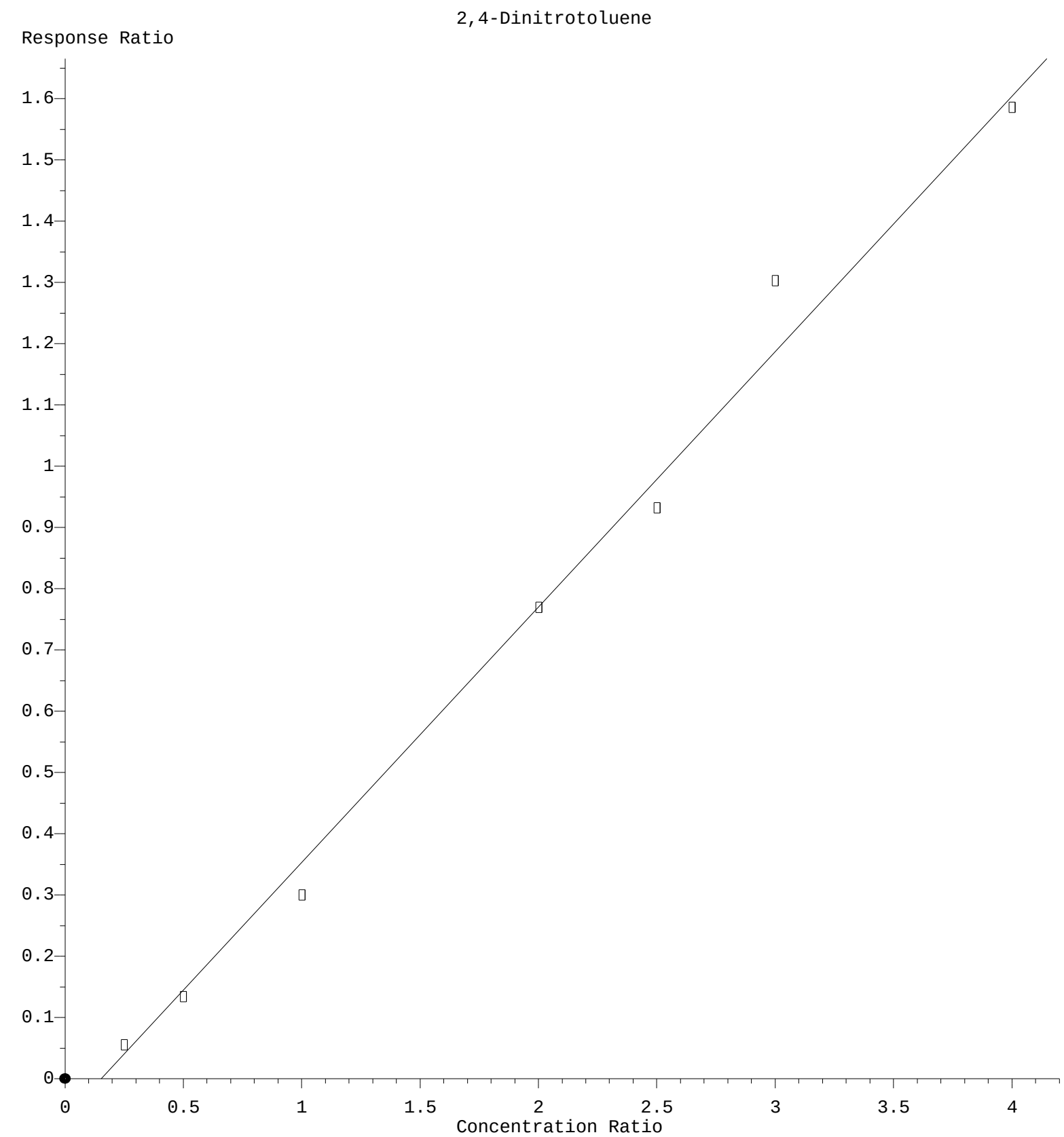
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



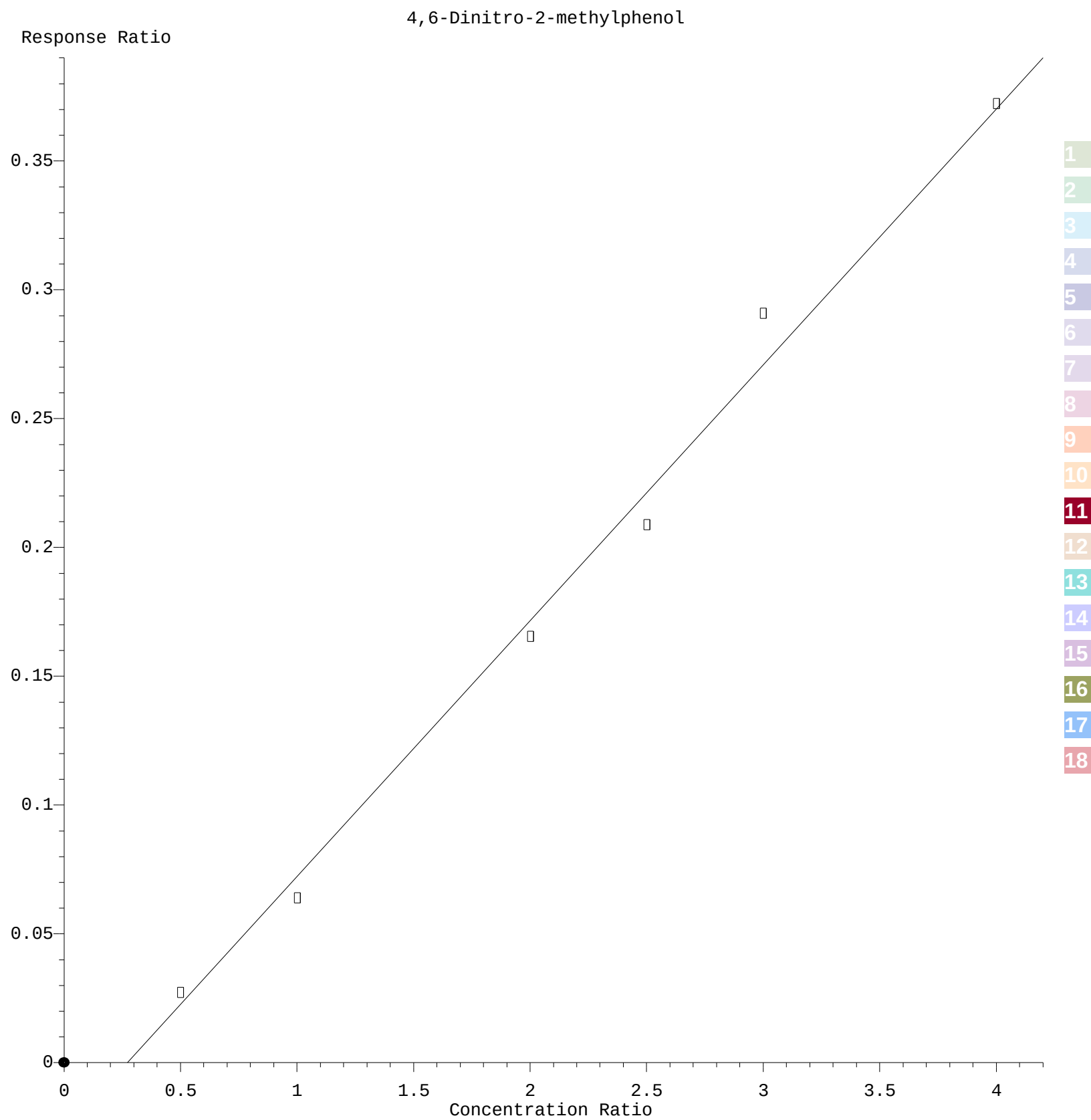
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

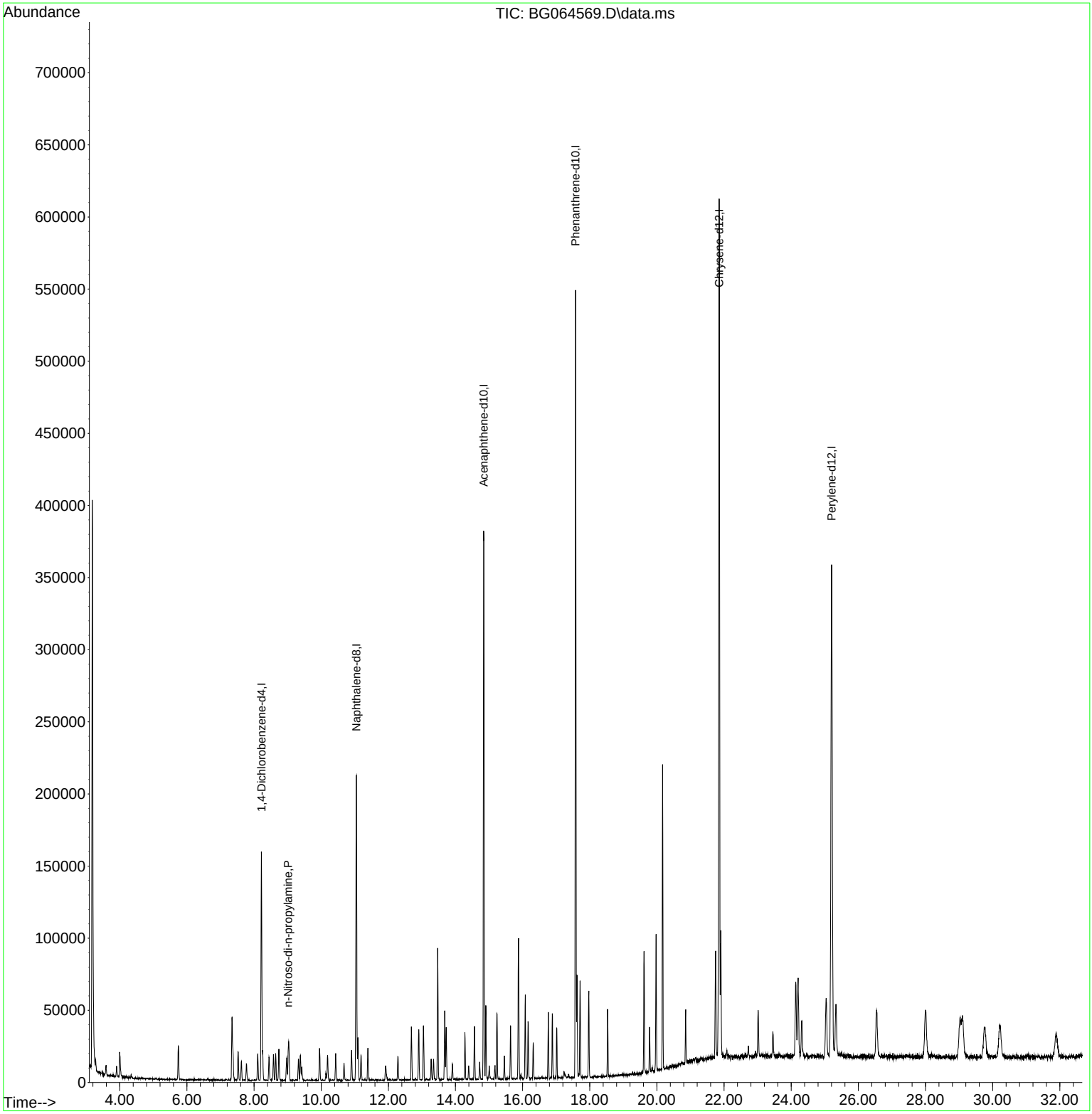
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	# 90

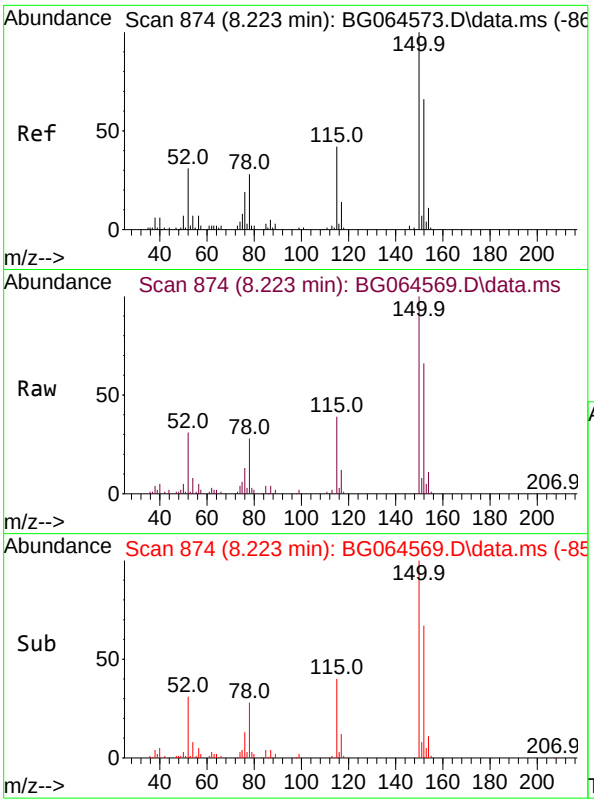
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



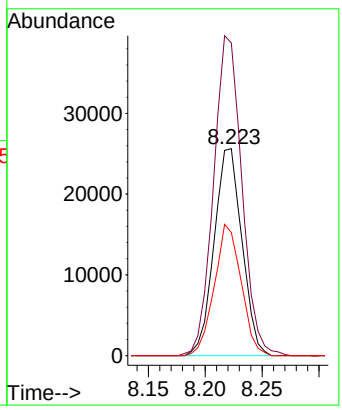


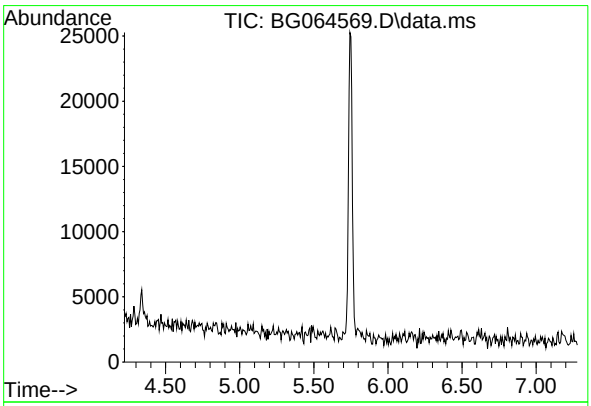
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 43718

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.2	183.4
115	59.5	50.8	76.2



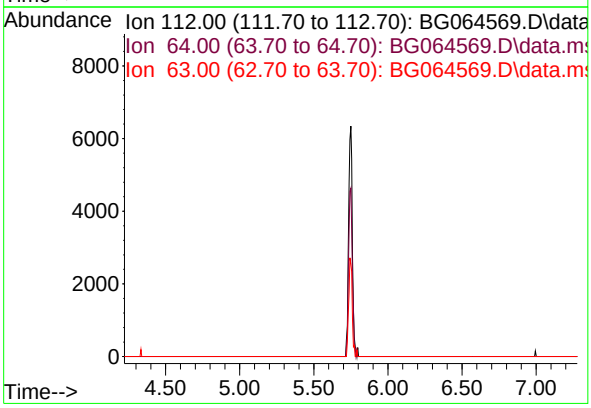


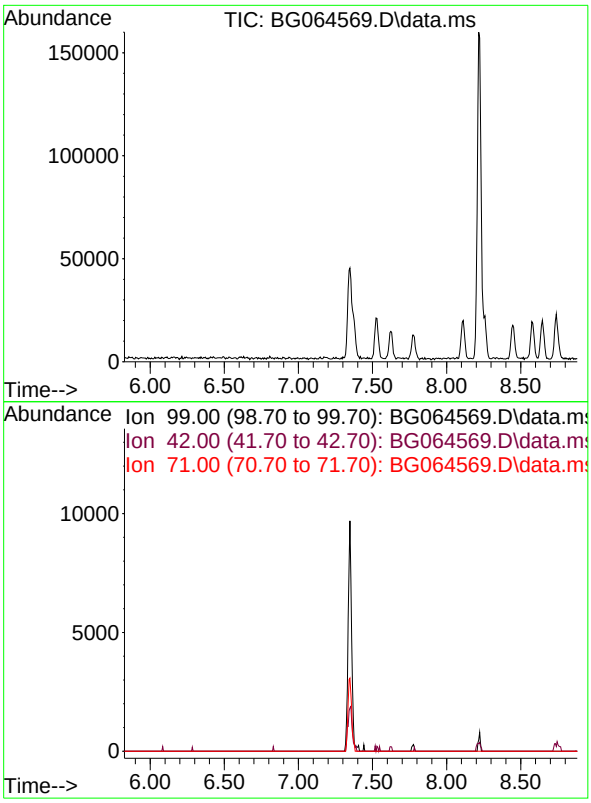
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





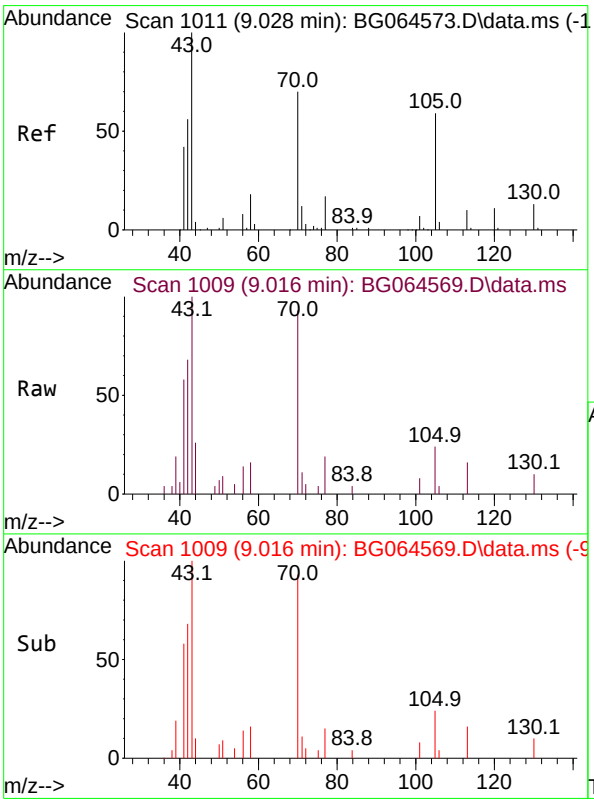
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.35 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

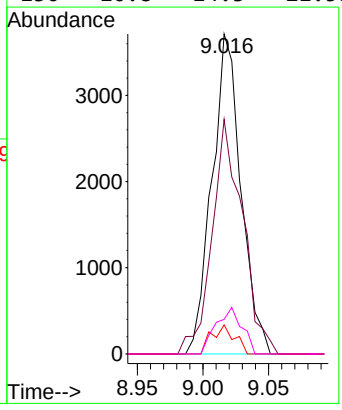
Sig	Exp Ratio
99	100
42	22.9
71	35.8

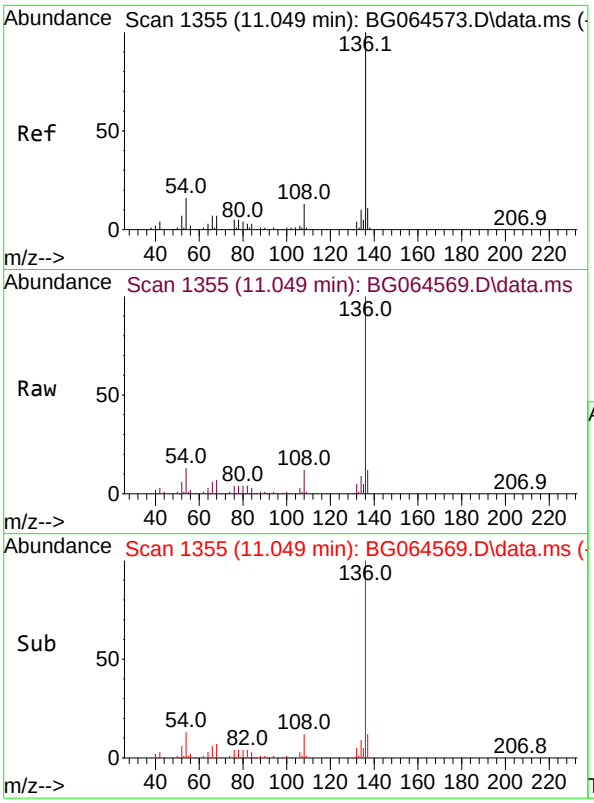


#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707

Ion	Ratio	Lower	Upper
70	100		
42	73.3	65.2	97.8
101	9.1	7.9	11.9
130	10.8	14.3	21.5#



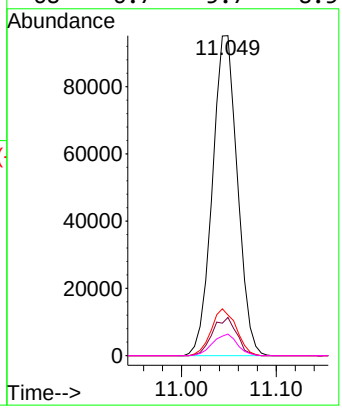


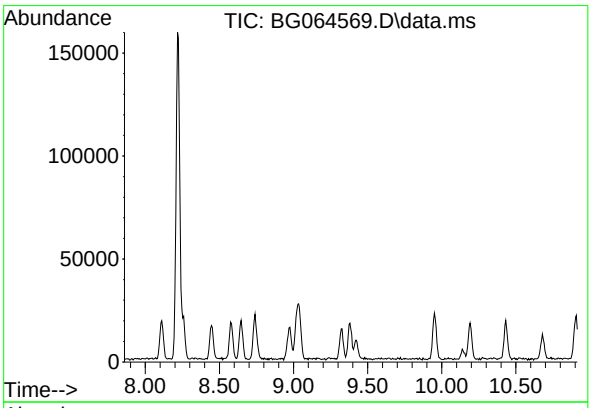
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 174680

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.7	12.6	19.0
68	6.7	5.7	8.5



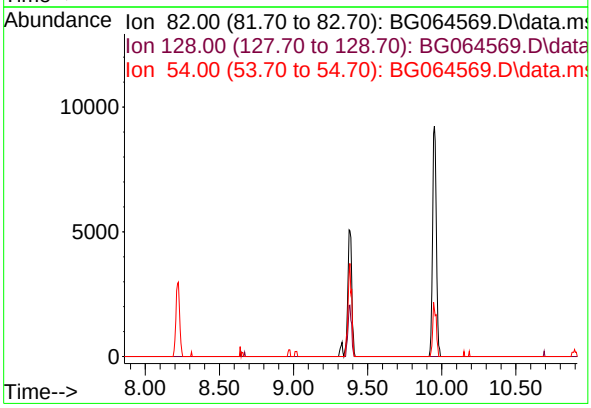


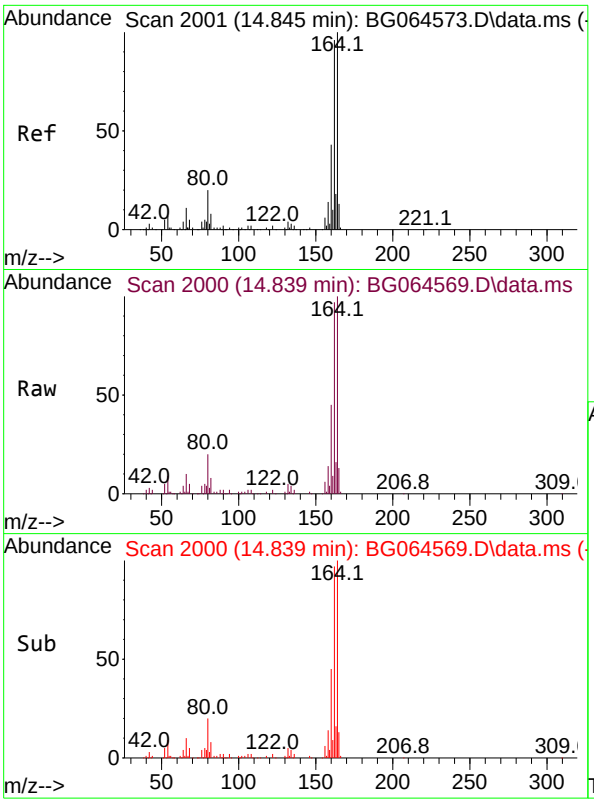
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7



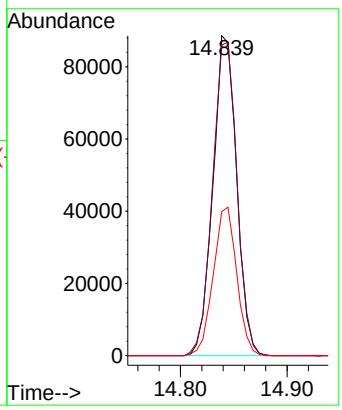


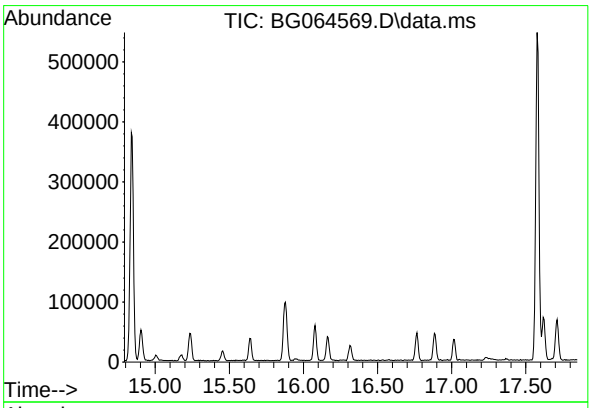
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 136814

Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.0	115.6
160	45.0	34.4	51.6



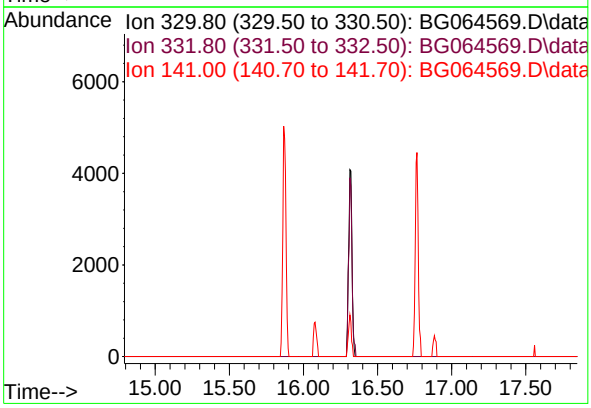


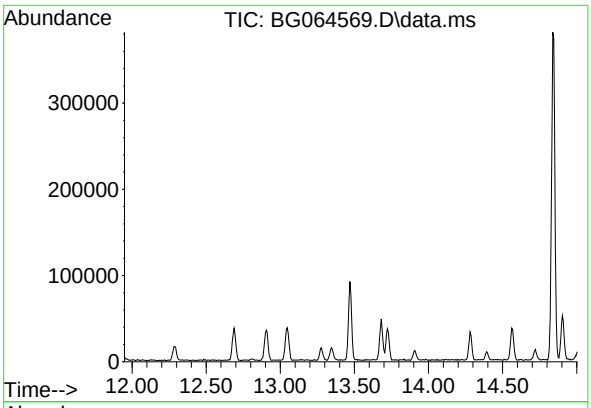
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

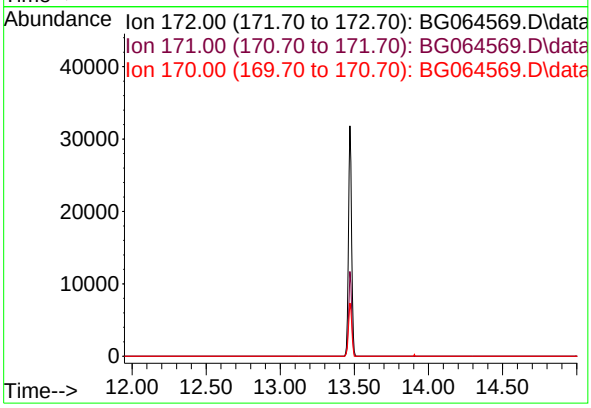
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2







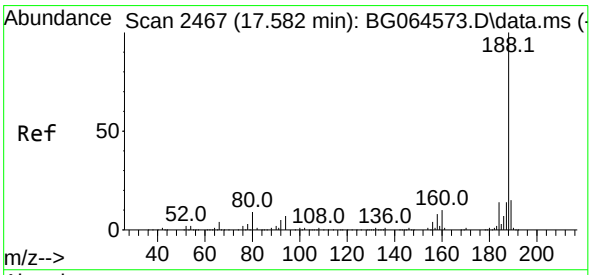
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

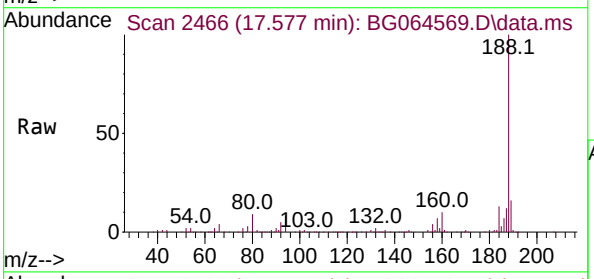
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

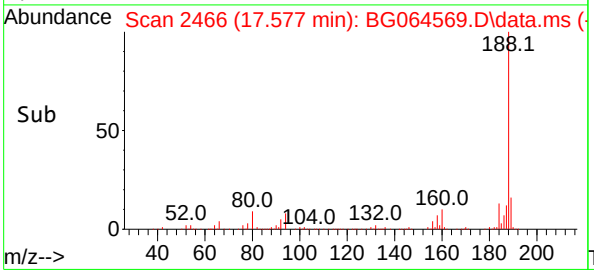
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.7
170	23.9



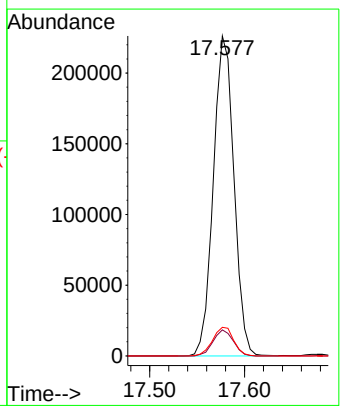


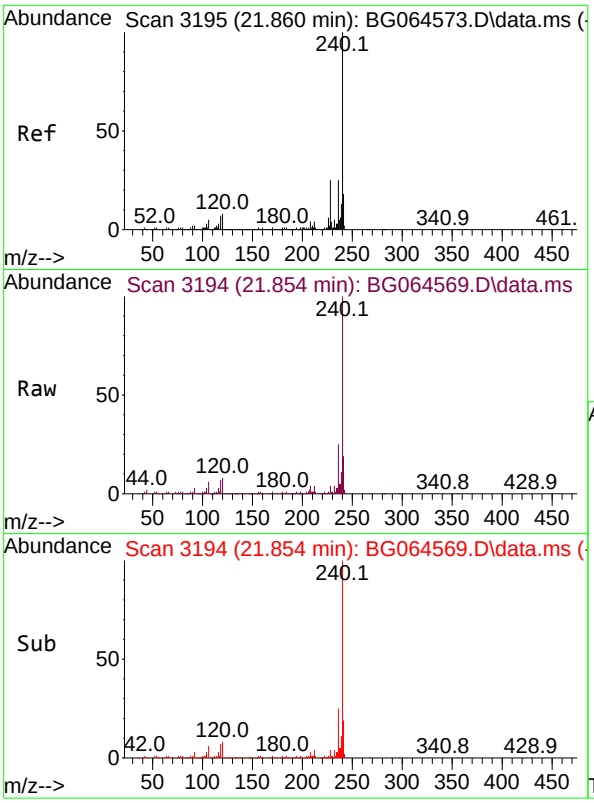


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion:188 Resp: 341404

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.9	6.8	10.2



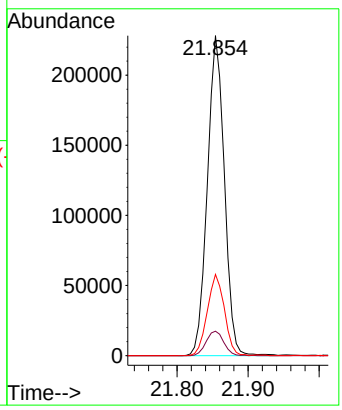


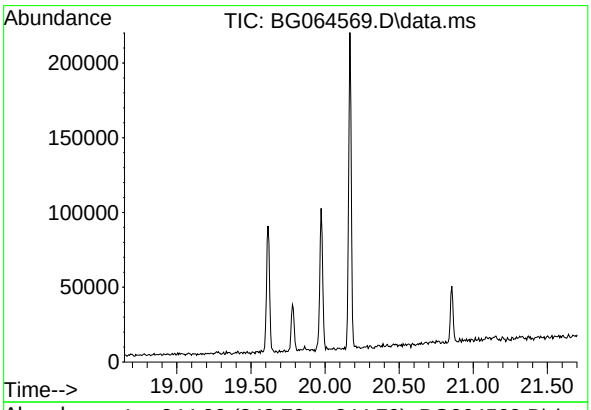
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 378586

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.4	20.2	30.2



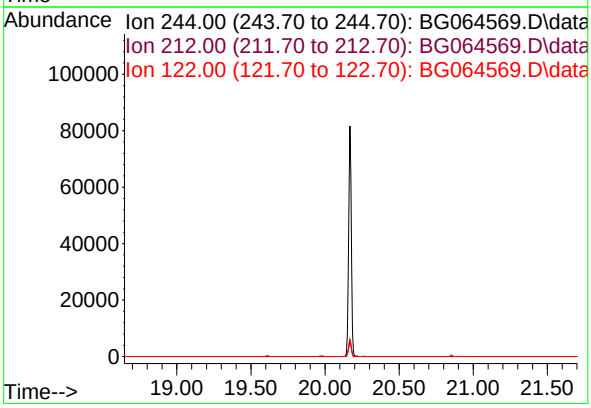


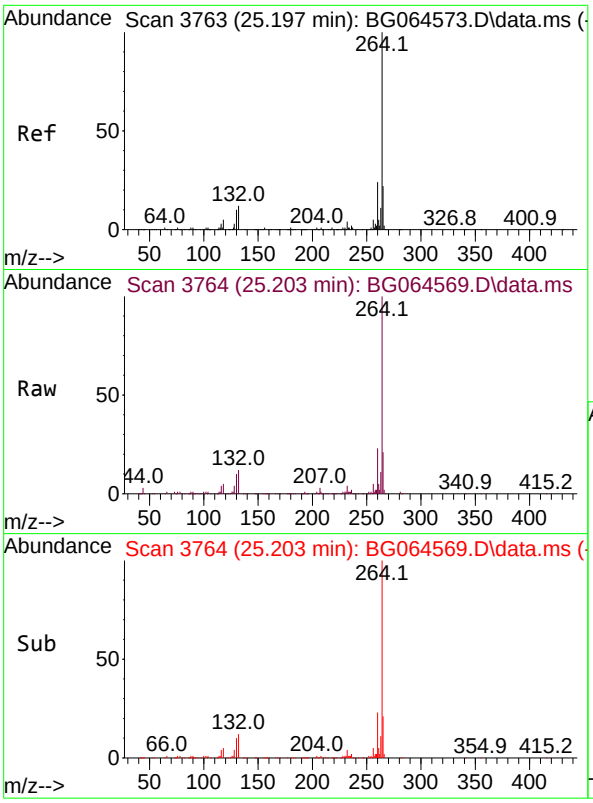
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.17 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0



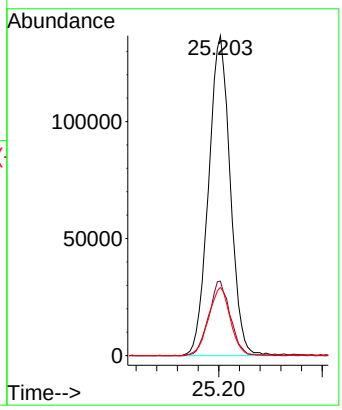


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 398350

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.3	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	#	0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng		0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng		0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng		0.00
86) Perylene-d12	25.199	264	401350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	22421	9.216	ng		0.00
7) Phenol-d6	7.349	99	30003	8.987	ng		0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng		0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng		0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng		95
3) Pyridine	4.000	79	16637	5.143	ng		89
6) Aniline	7.525	93	22494	4.952	ng		98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng		96
10) Phenol	7.373	94	16995	4.603	ng		96
11) bis(2-Chloroethyl)ether	7.619	93	13341	4.915	ng		95
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14610m	4.902	ng		
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng		97
17) 2-Methylphenol	8.648	107	11259	4.593	ng		97
18) Hexachloroethane	9.329	117	4773	4.564	ng		97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng		92
22) Acetophenone	9.035	105	22505	4.892	ng	#	92
24) Nitrobenzene	9.423	77	11526	3.782	ng	#	95
25) Isophorone	9.946	82	31609	4.701	ng	#	93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng		99
27) 2,4-Dimethylphenol	10.193	122	9925	3.969	ng		92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng		95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng		89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng		97
31) Naphthalene	11.098	128	45559	4.883	ng		98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng		93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng		95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng		94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng		97
38) 1-Methylnaphthalene	12.901	142	33565m	4.951	ng		
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng		99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng		93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	#	91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng		95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng		96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng		87
49) Acenaphthylene	14.564	152	54748	4.923	ng		98
50) Dimethylphthalate	14.282	163	45639	4.540	ng		98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	#	91

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.905	154	36982	4.867	ng		96
53) 3-Nitroaniline	14.717	138	5903	3.417	ng	#	96
55) Dibenzofuran	15.234	168	61779	5.029	ng		97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng	#	80
58) Fluorene	15.880	166	48305	5.035	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng	#	95
60) Diethylphthalate	15.639	149	46534	4.533	ng		98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng		97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng		90
63) Azobenzene	16.162	77	44729	4.749	ng		98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng		95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng		95
69) Atrazine	17.014	200	17783	4.616	ng		94
71) Phenanthrene	17.619	178	89771	4.954	ng		99
72) Anthracene	17.713	178	90063	4.886	ng		99
73) Carbazole	17.966	167	81350	5.005	ng		98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng		99
75) Fluoranthene	19.617	202	114724	5.054	ng		98
78) Pyrene	19.975	202	122676	4.923	ng		98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng		94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng		98
83) Chrysene	21.903	228	119080	4.949	ng		97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng		98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng	#	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng		98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng		99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng		99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng		96
92) Benzo(g,h,i)perylene	30.216	276	108407	4.731	ng		97

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

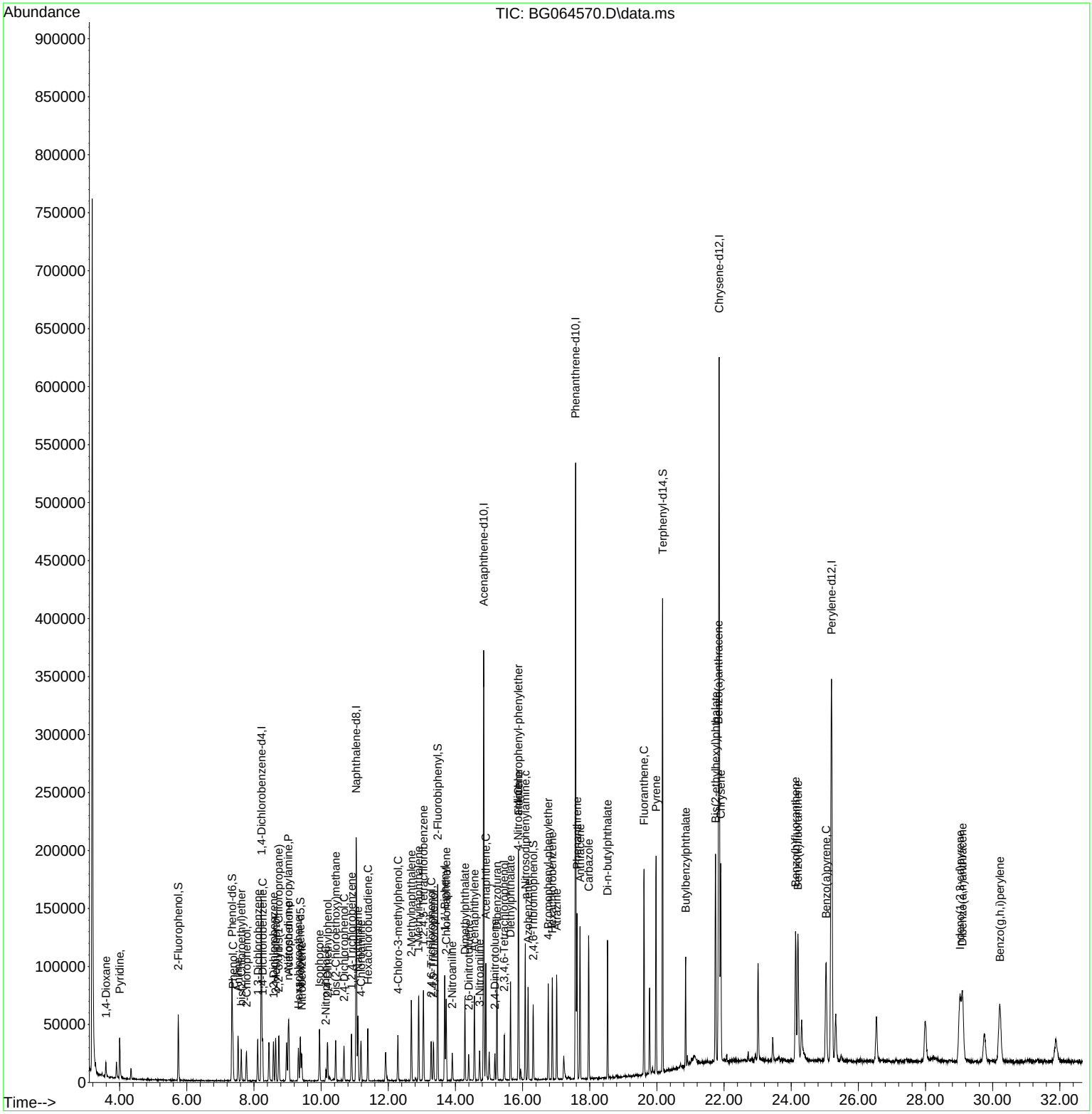
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

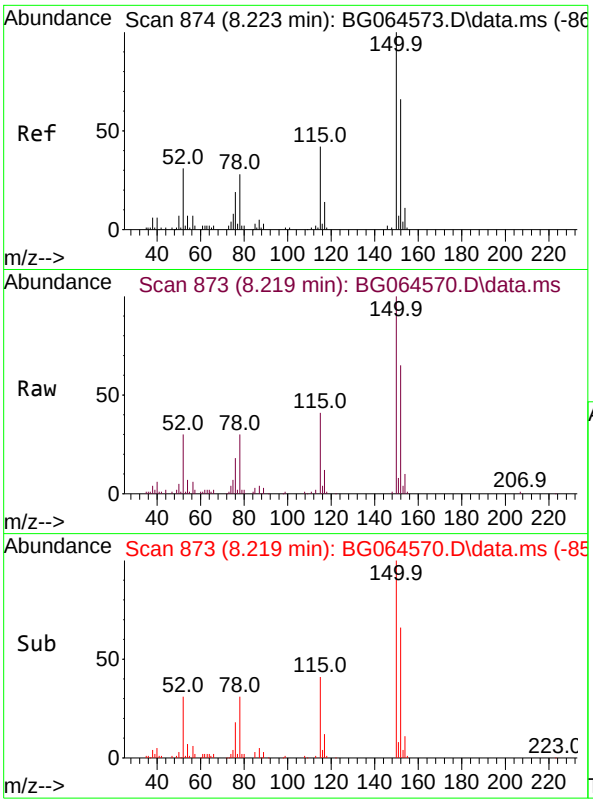
Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

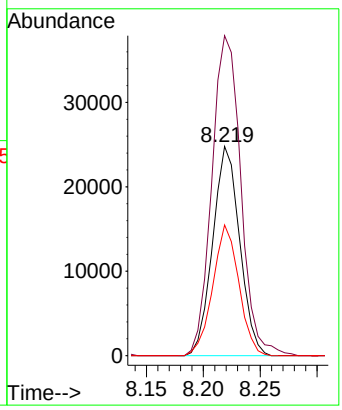




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 4083

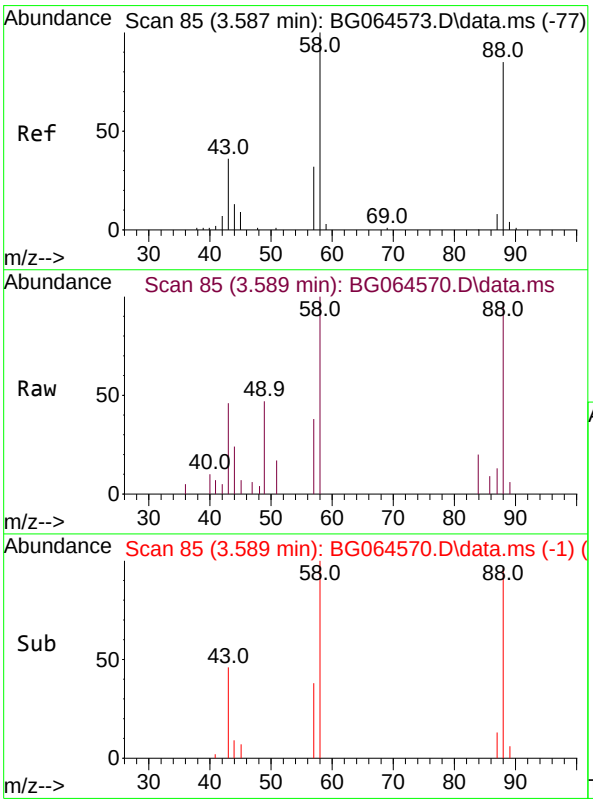
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

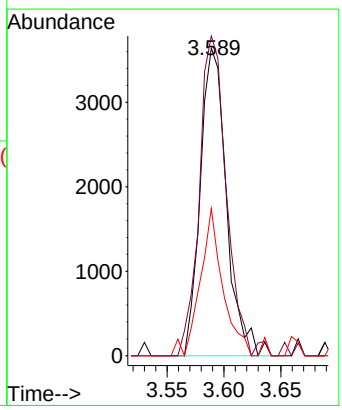
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

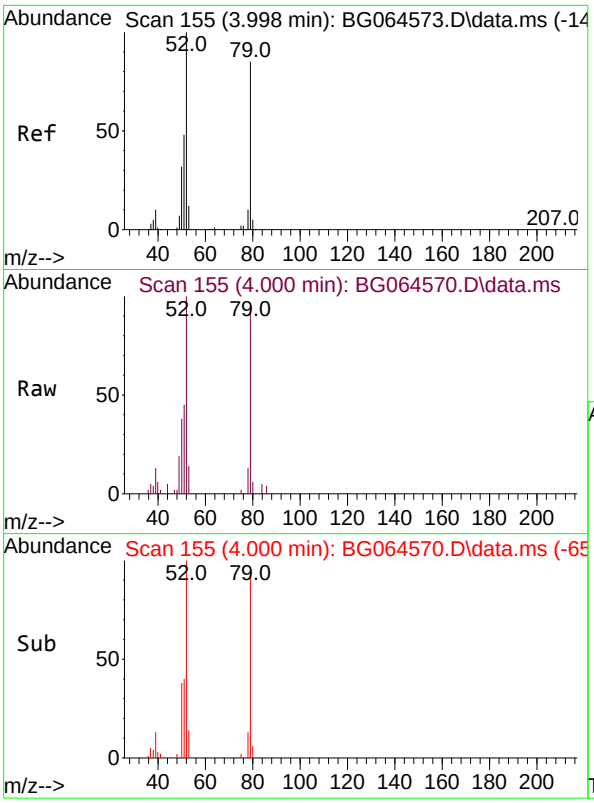


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 88 Resp: 5823

Ion	Ratio	Lower	Upper
88	100		
58	108.0	92.4	138.6
43	41.6	33.0	49.6

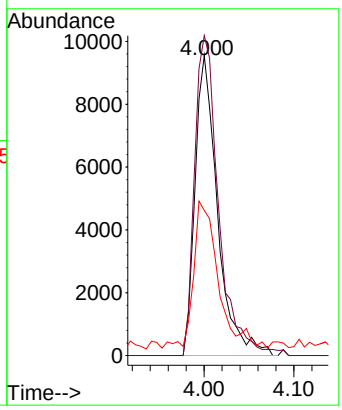




#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 79 Resp: 1663

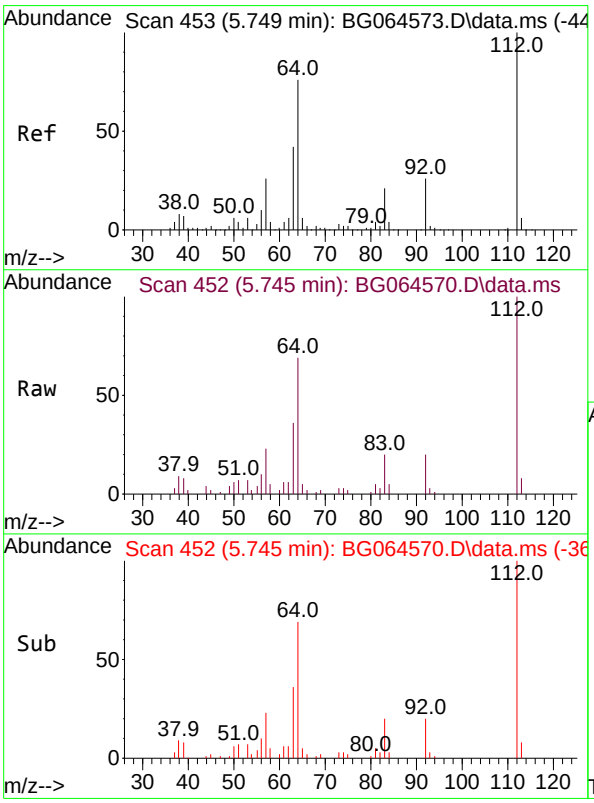
Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

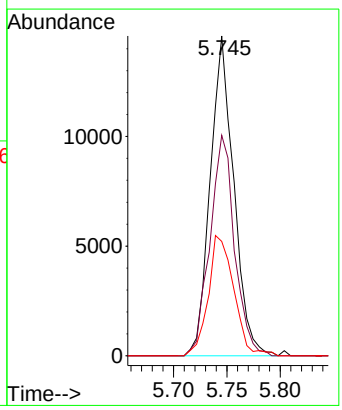
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

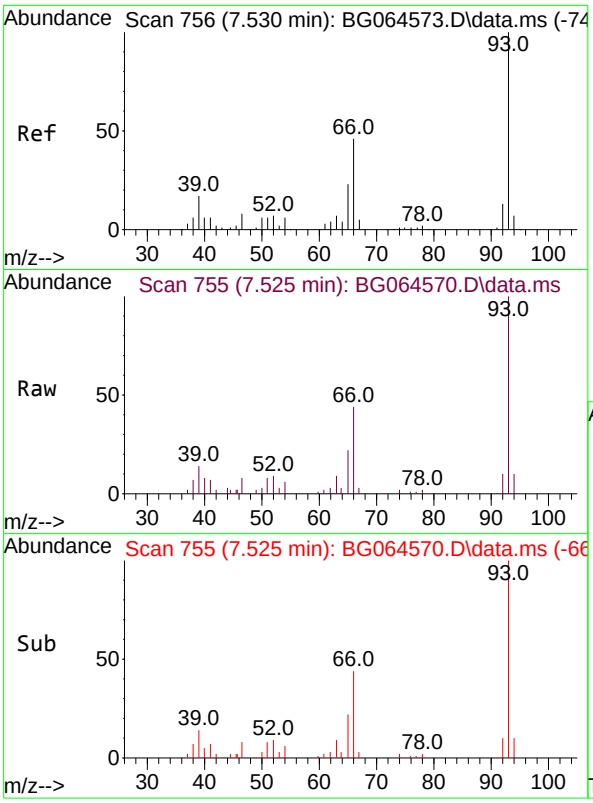


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:112 Resp: 22421

Ion	Ratio	Lower	Upper
112	100		
64	68.9	60.7	91.1
63	35.8	33.4	50.0

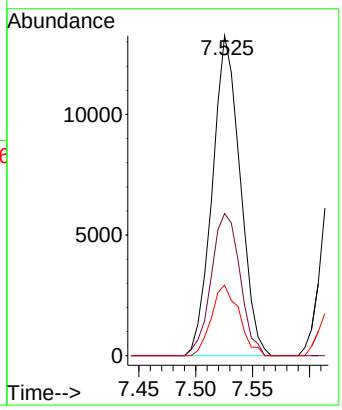




#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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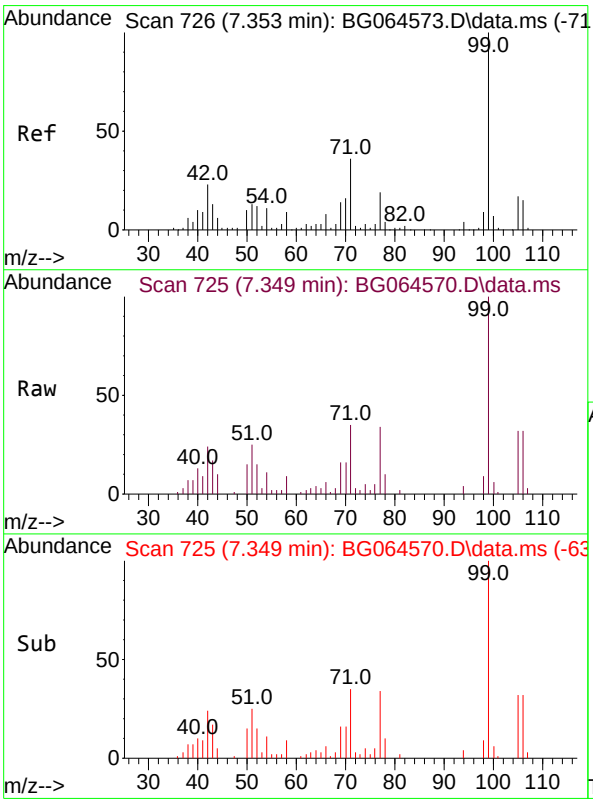
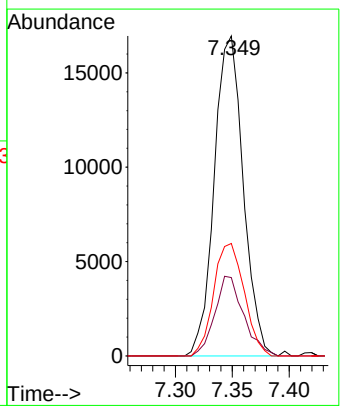
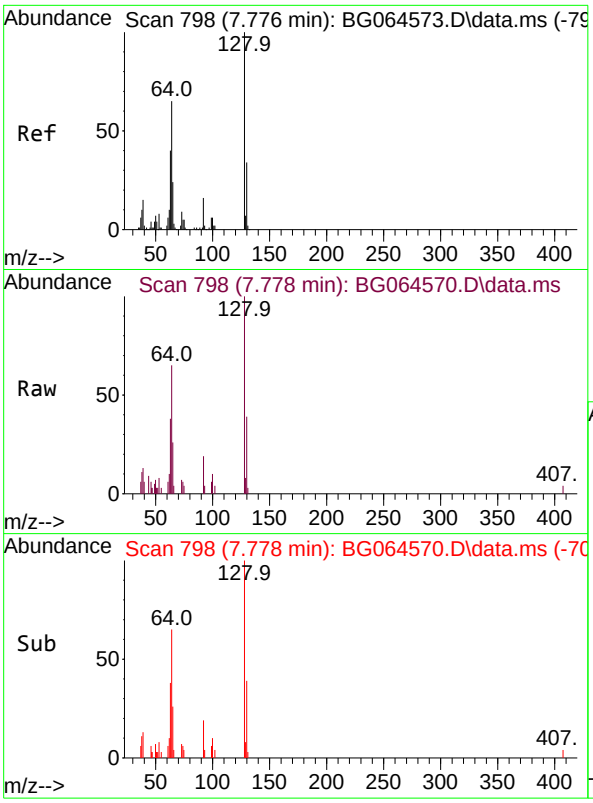


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 99 Resp: 30003

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.1	28.6	43.0

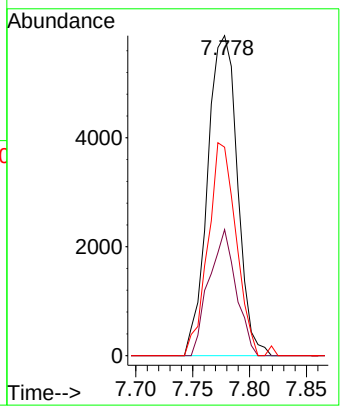




#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
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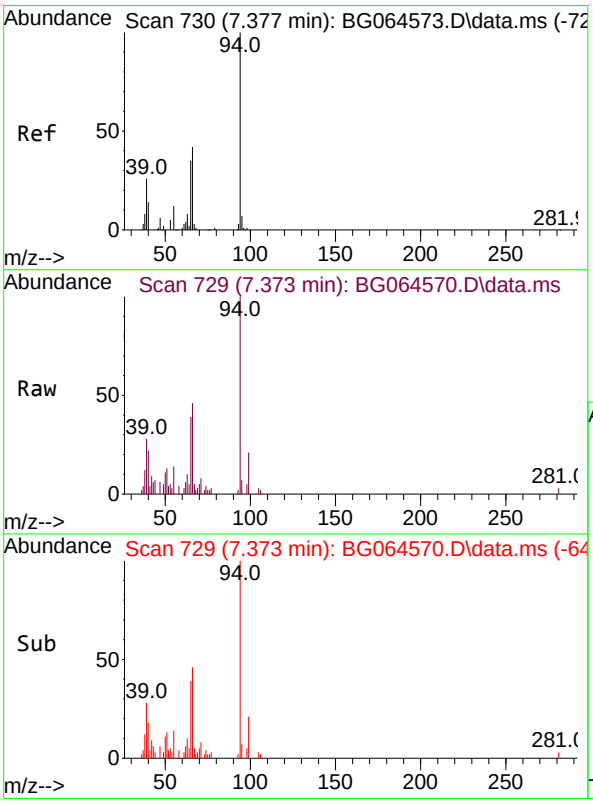
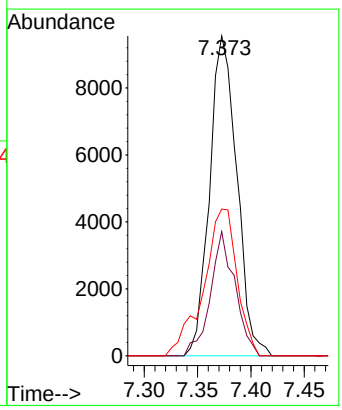
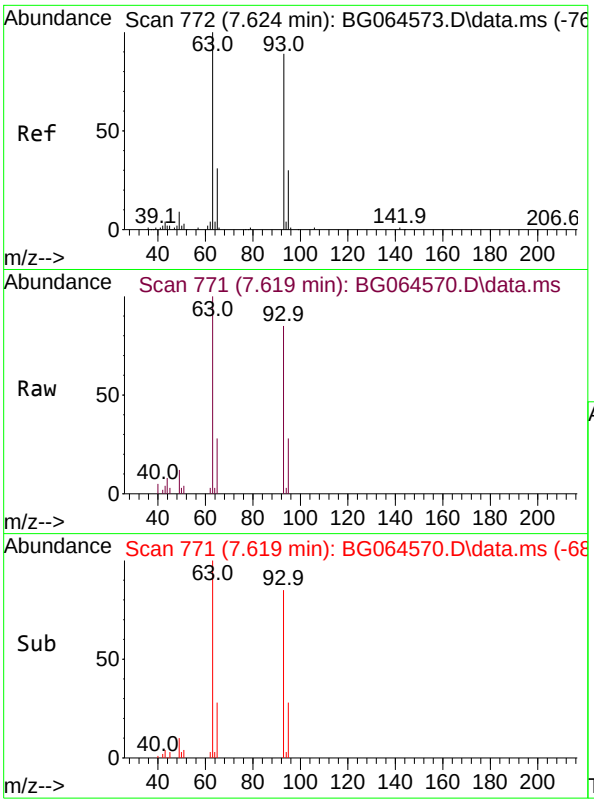


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 94 Resp: 16995

Ion	Ratio	Lower	Upper
94	100		
65	38.8	15.8	55.8
66	45.9	24.0	64.0

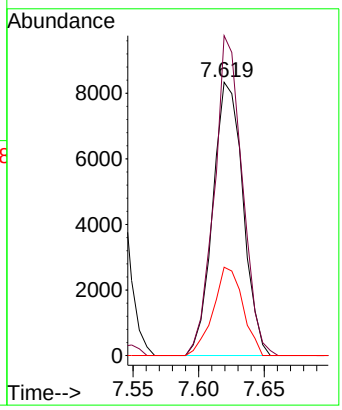




#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.619 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 1334

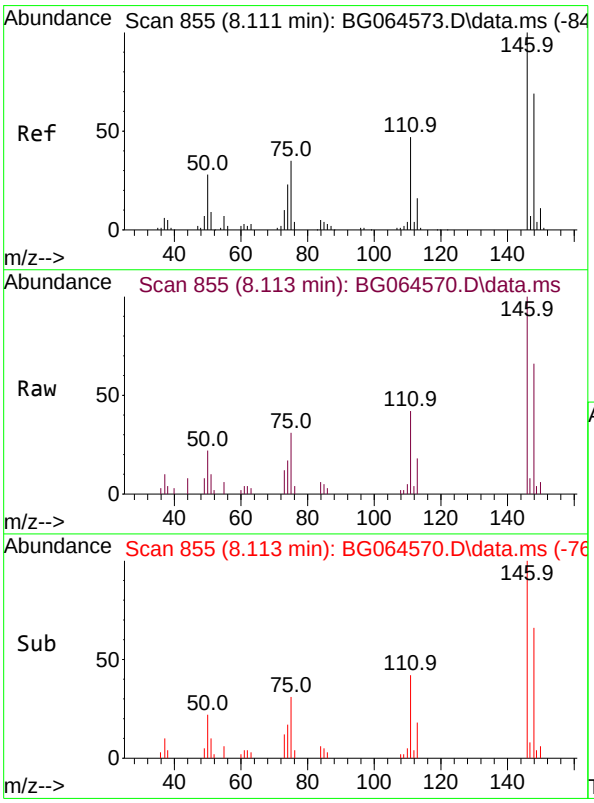
Ion	Ratio	Lower	Upper
93	100		
63	117.0	91.3	131.3
95	32.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

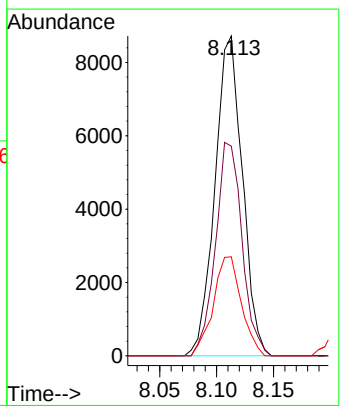
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

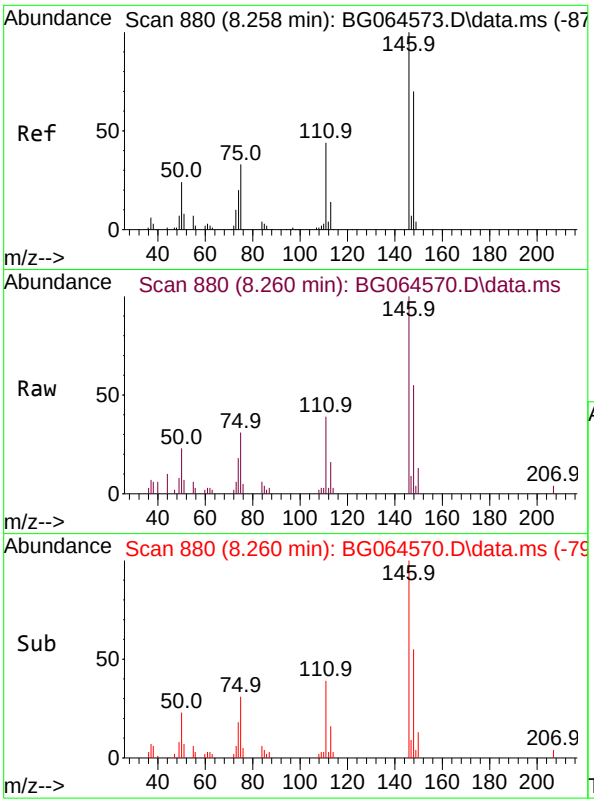


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14650

Ion	Ratio	Lower	Upper
146	100		
148	64.6	55.3	82.9
75	28.7	28.2	42.2

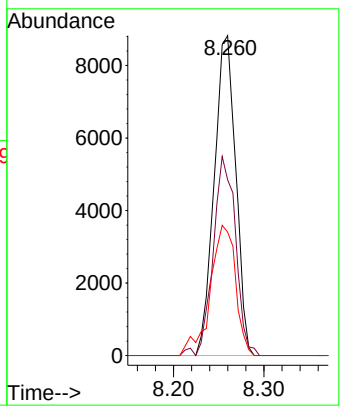




#13
1,4-Dichlorobenzene
Concen: 4.902 ng m
RT: 8.260 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 1461

Ion	Ratio	Lower	Upper
146	100		
148	54.9	56.2	84.4
111	38.6	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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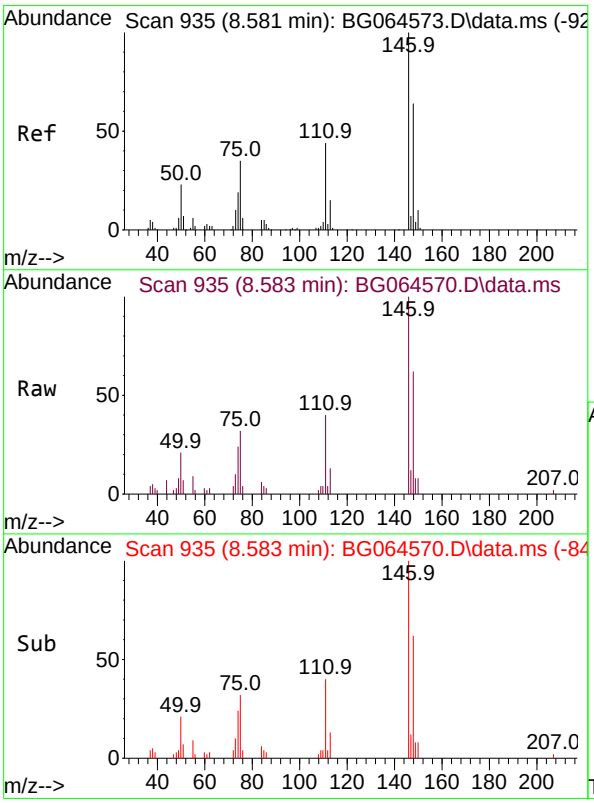
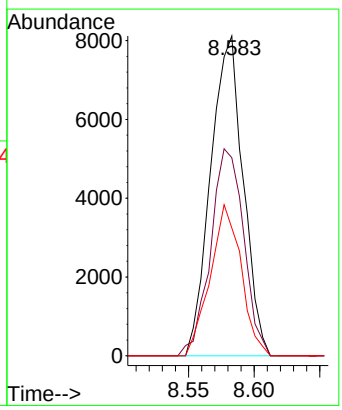
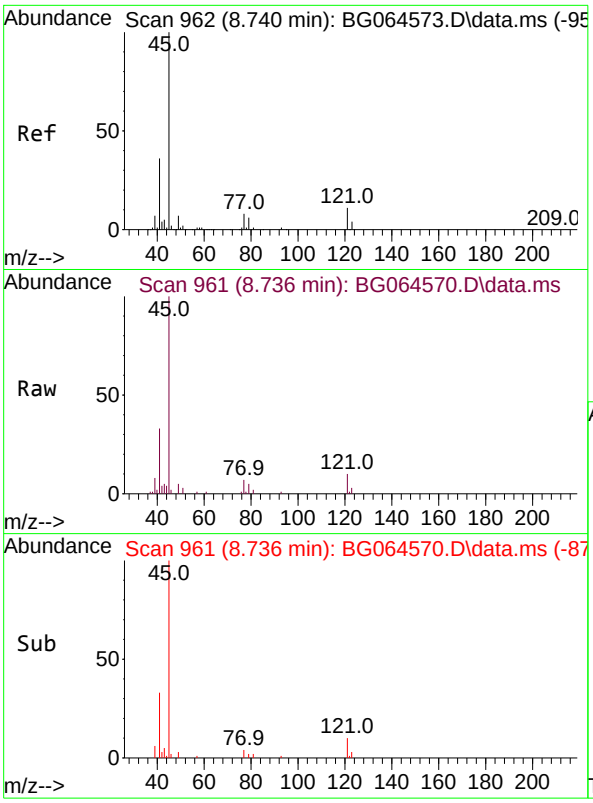


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 13994

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
111	40.0	35.0	52.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 9
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 45 Resp: 3492

Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6

Instrument :
BNA_G
ClientSampleId :
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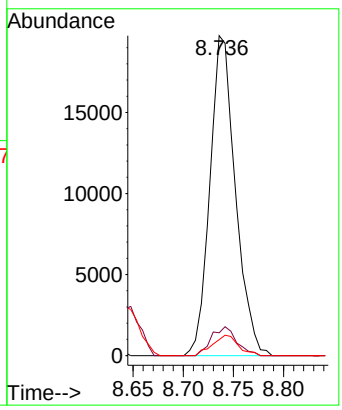
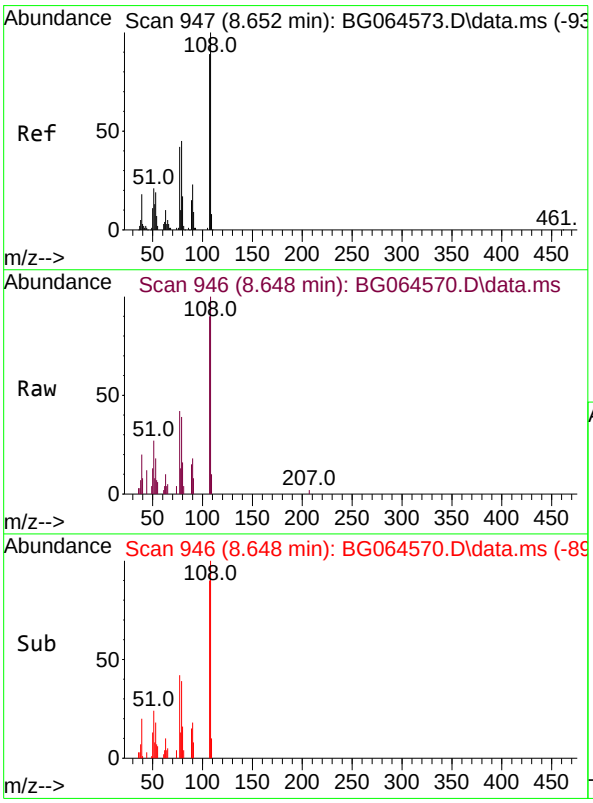
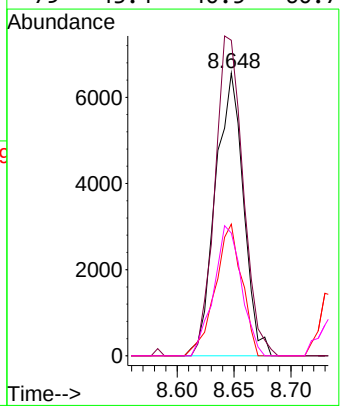


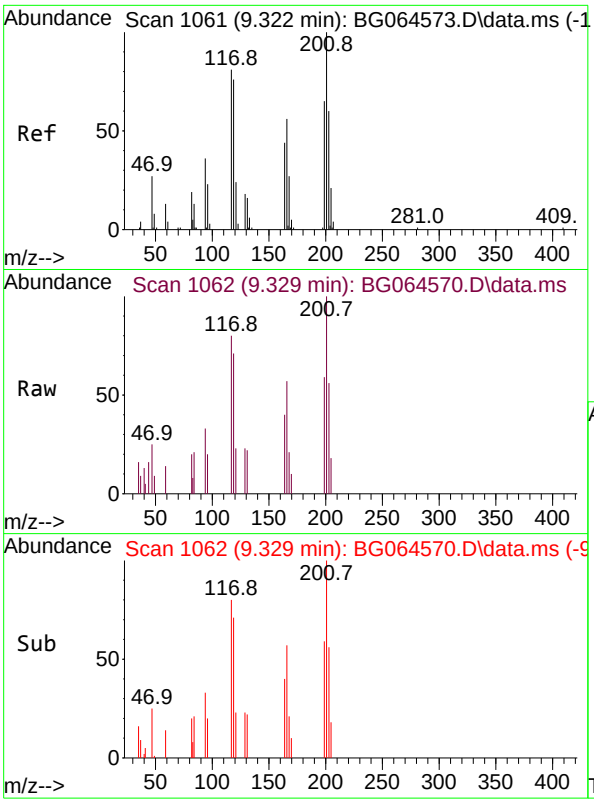


#17
2-Methylphenol
Concen: 4.593 ng
RT: 8.648 min Scan# 946
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 11259

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.0	135.0
77	46.6	37.8	56.8
79	43.4	40.5	60.7

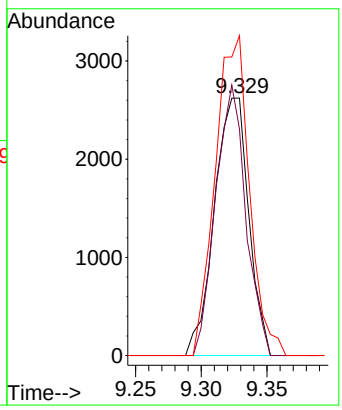




#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:117 Resp: 477

Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8



Instrument :
BNA_G
ClientSampleId :
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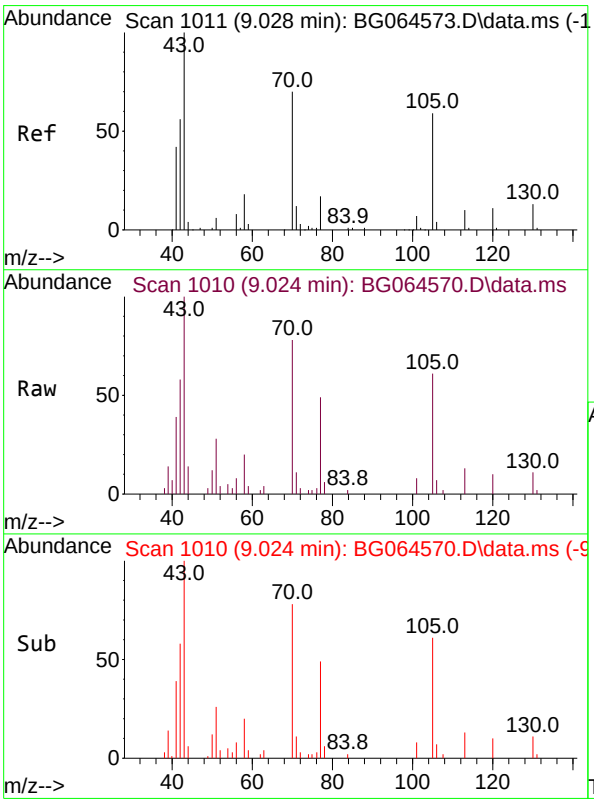
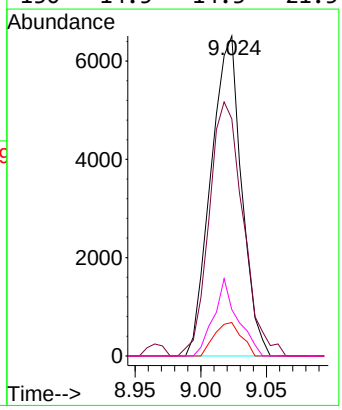
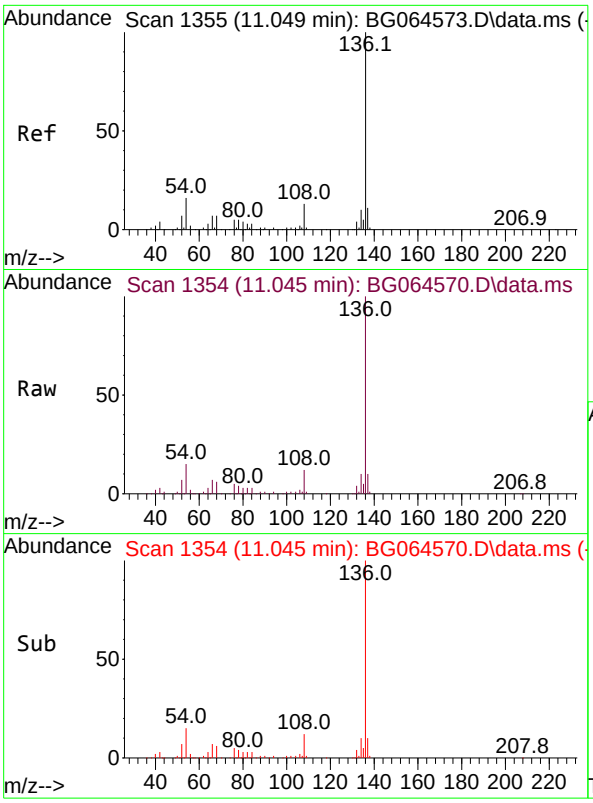


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 70 Resp: 10596

Ion	Ratio	Lower	Upper
70	100		
42	74.1	65.2	97.8
101	10.4	7.9	11.9
130	14.5	14.3	21.5

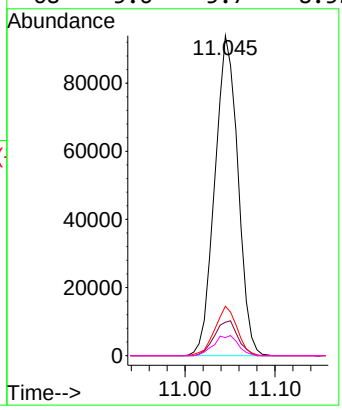




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:136 Resp: 16828

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	15.4	12.6	19.0
68	5.6	5.7	8.5#



Instrument :
BNA_G
ClientSampleId :
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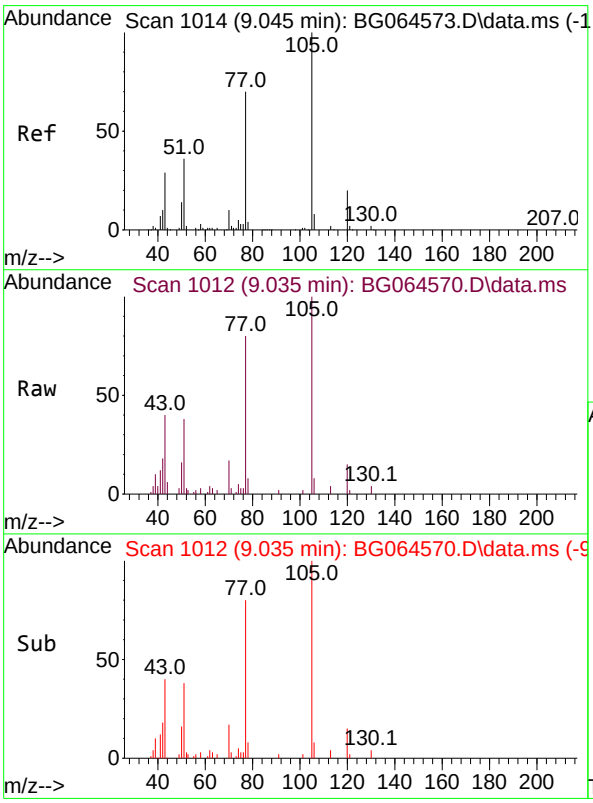
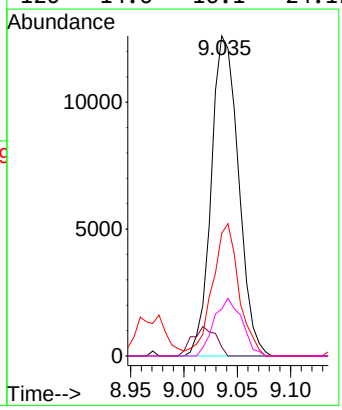
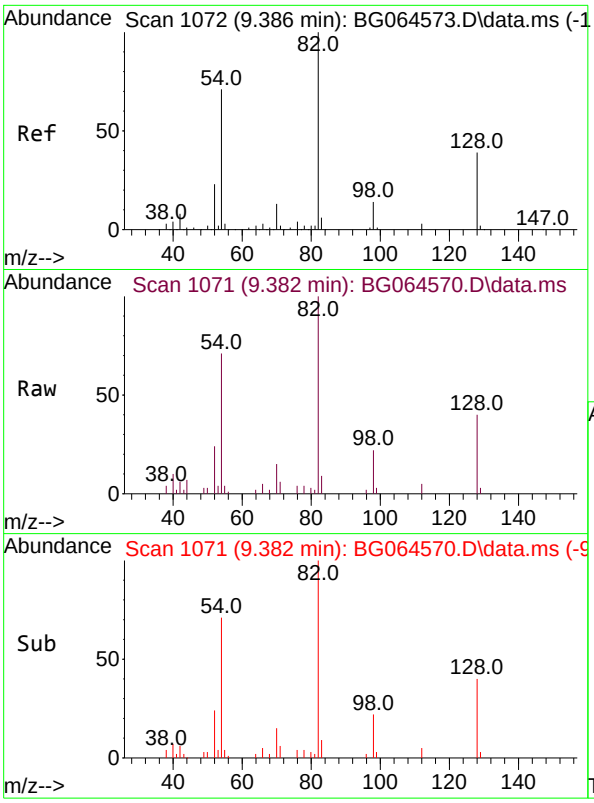


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:105 Resp: 22505

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	38.4	33.7	50.5
120	14.6	16.1	24.1#

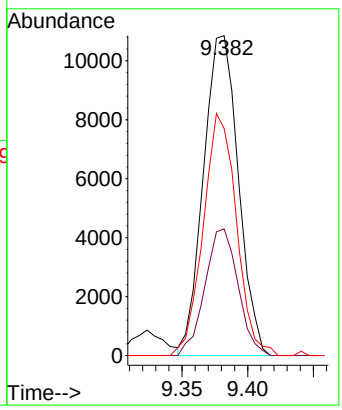




#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 2009

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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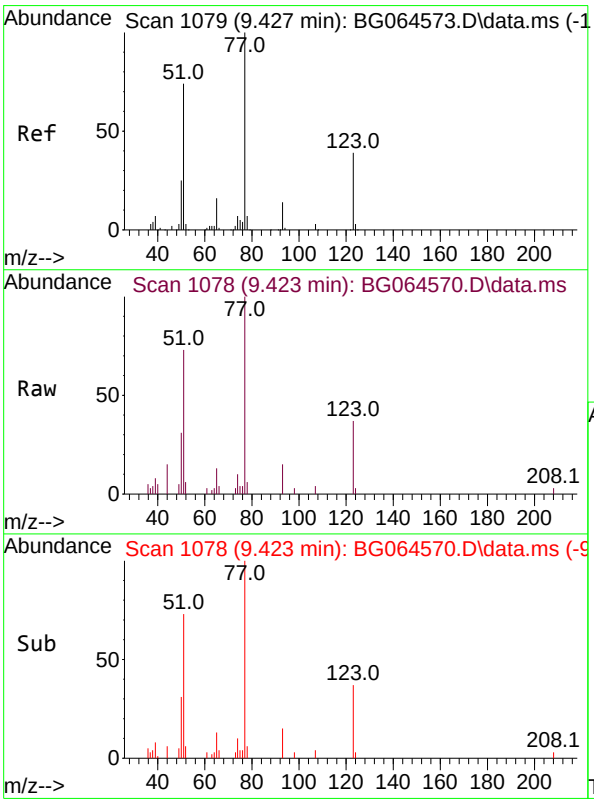
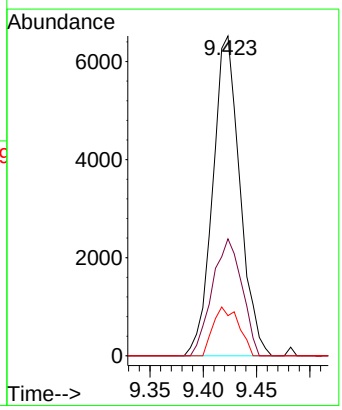
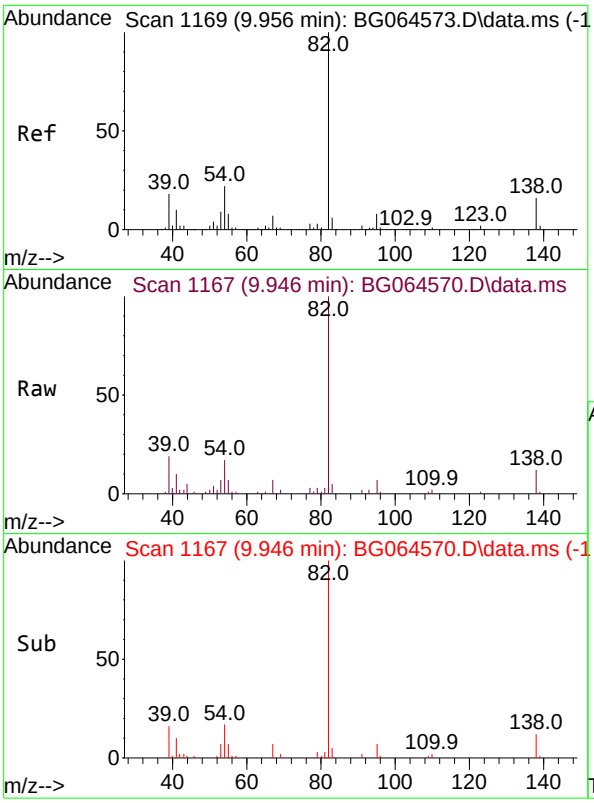


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 11526

Ion	Ratio	Lower	Upper
77	100		
123	36.6	31.0	46.6
65	12.6	12.7	19.1#

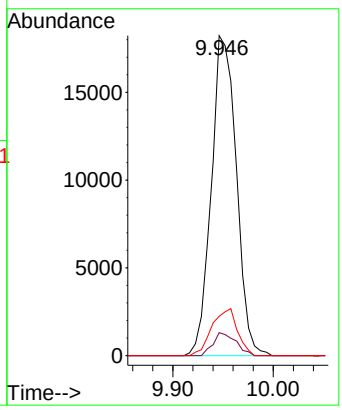




#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 3160

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4#



Instrument :
BNA_G
ClientSampleId :
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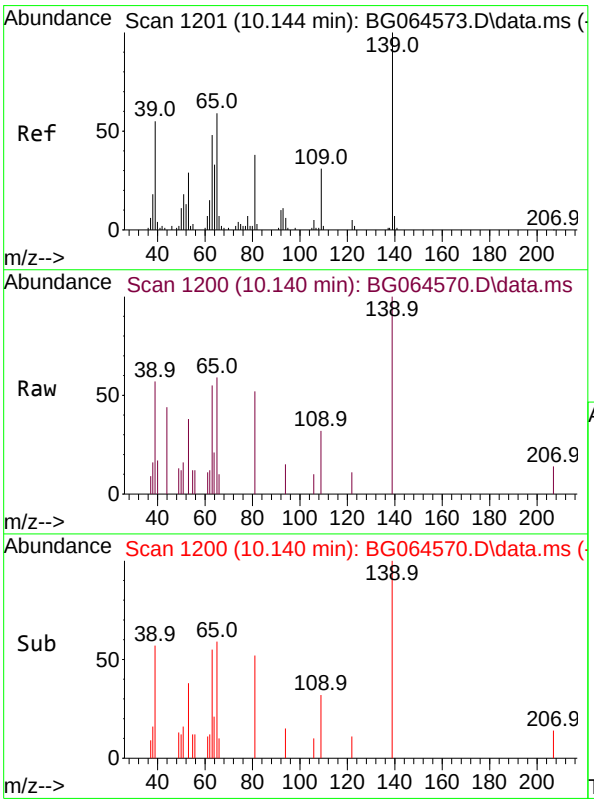
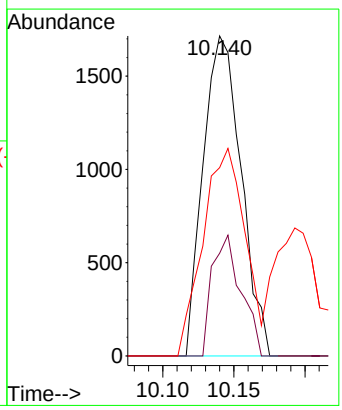
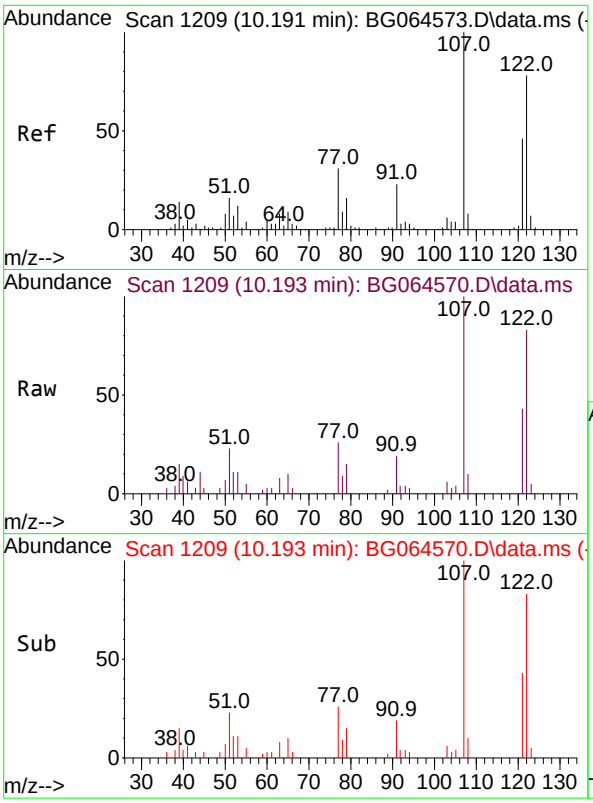


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:139 Resp: 3186

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.6	37.0
65	58.9	47.5	71.3

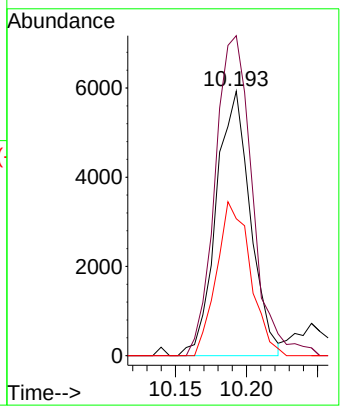




#27
2,4-Dimethylphenol
Concen: 3.969 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:122 Resp: 992

Ion	Ratio	Lower	Upper
122	100		
107	121.0	103.0	154.4
121	51.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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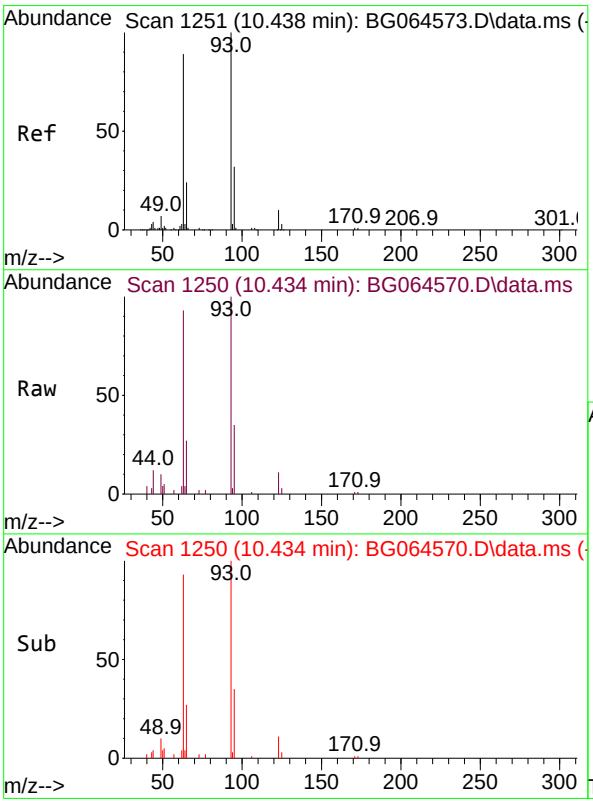
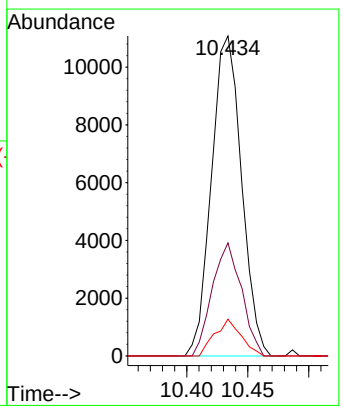
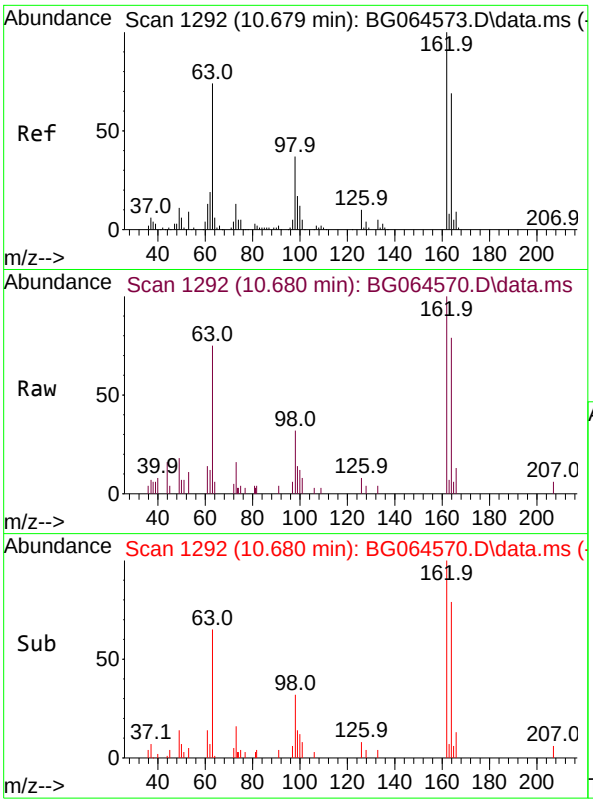


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999

Ion	Ratio	Lower	Upper
93	100		
95	35.3	25.4	38.2
123	11.5	8.4	12.6

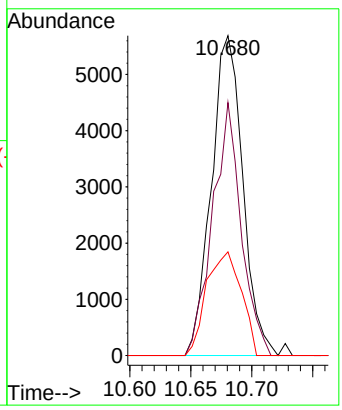




#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 1022

Ion	Ratio	Lower	Upper
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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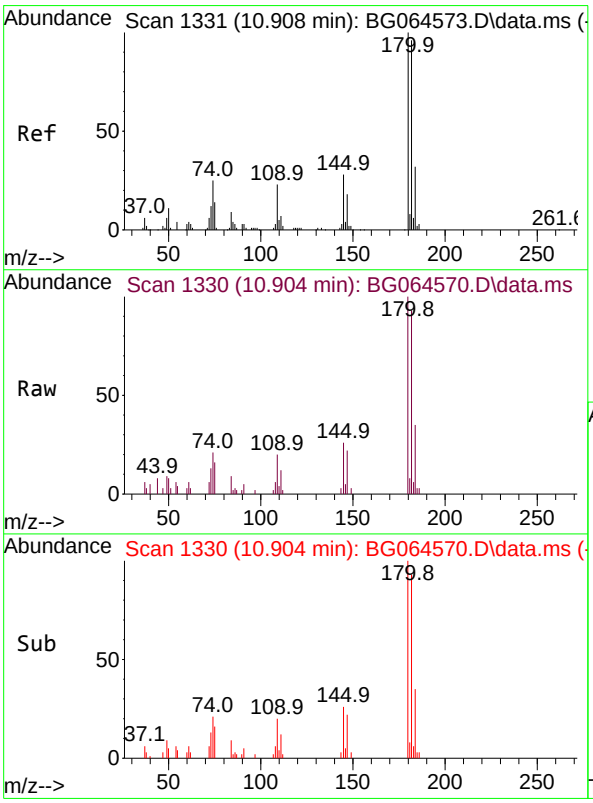
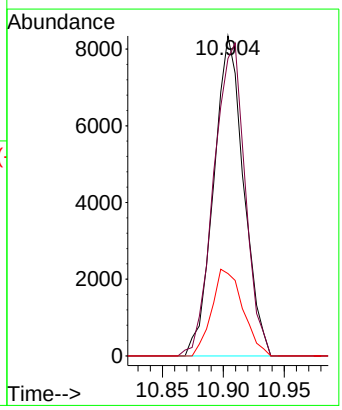
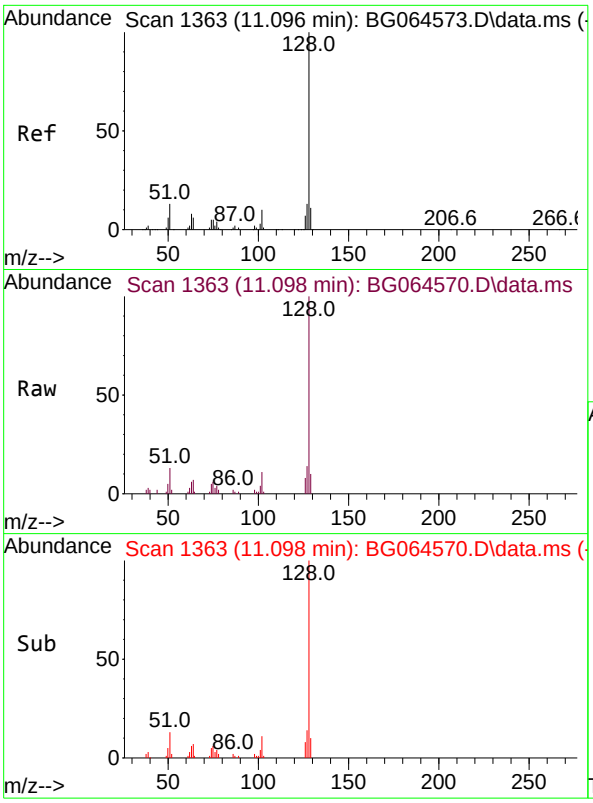


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:180 Resp: 14238

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1

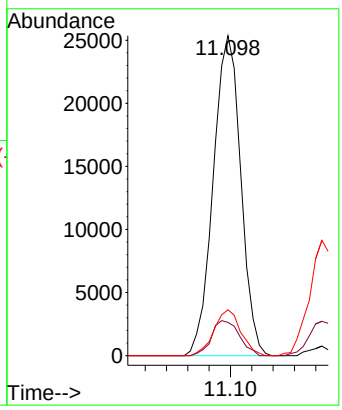




#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 4555

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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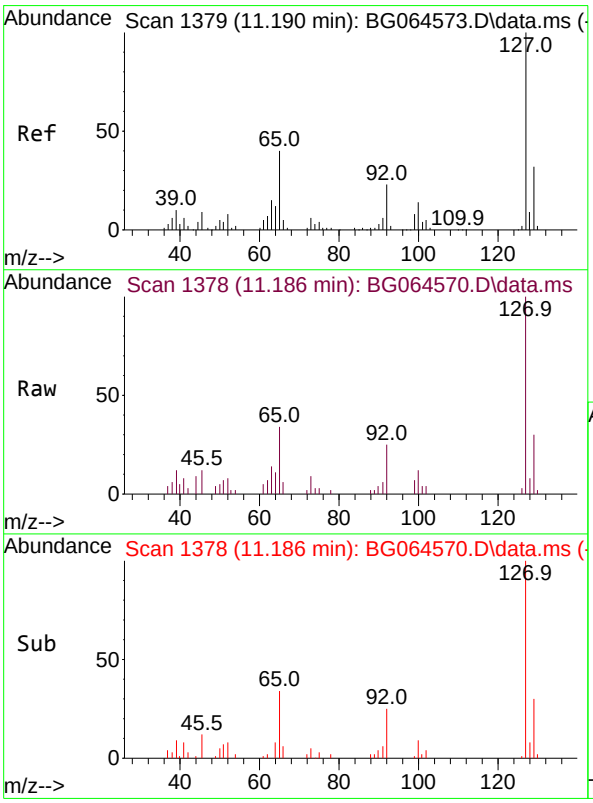
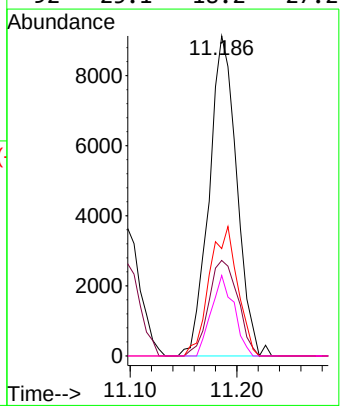
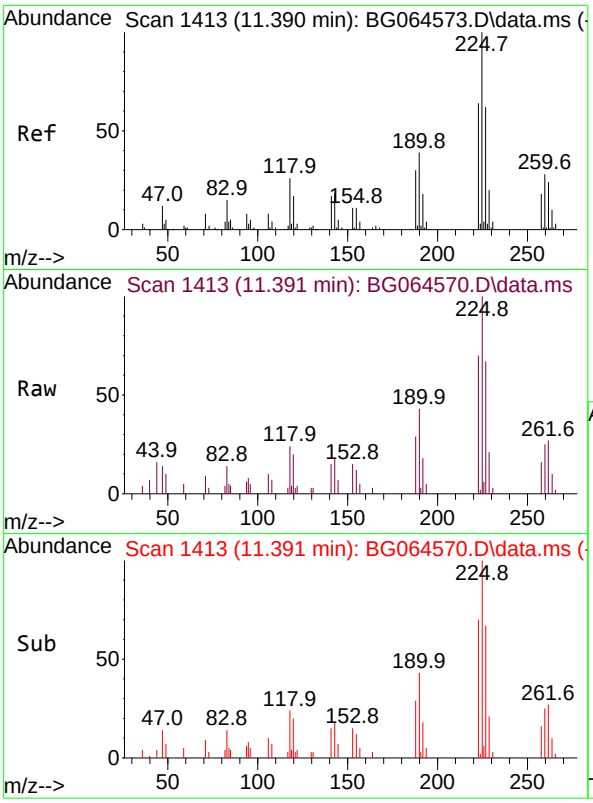


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:127 Resp: 16429

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.5	38.3
65	33.5	32.2	48.4
92	25.1	18.2	27.2

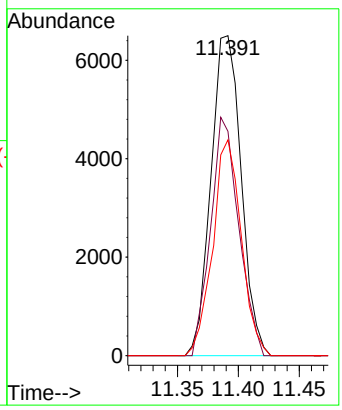




#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:225 Resp: 1121

Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	63.9	49.5	74.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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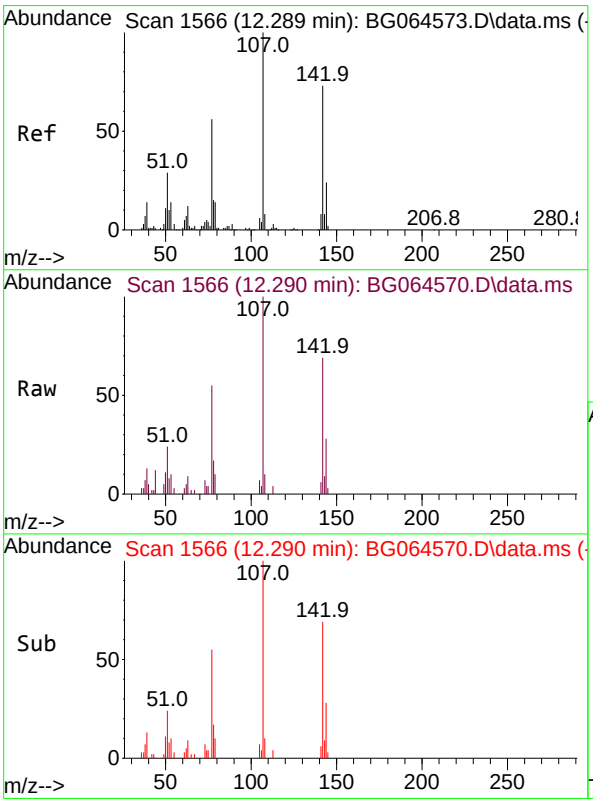
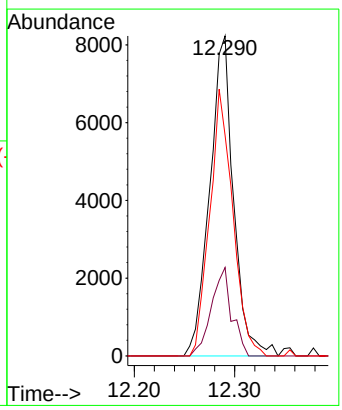
Supervised By :mohammad ahmed 11/05/2025

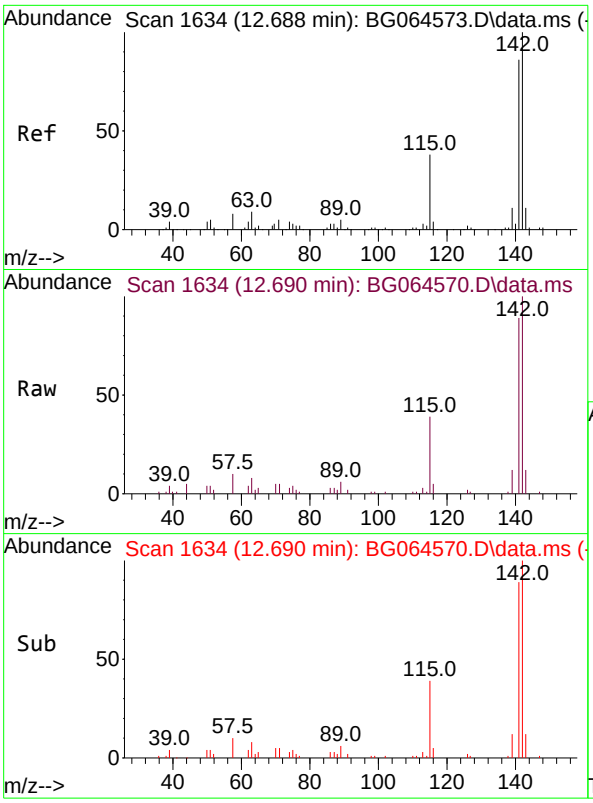


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 13604

Ion	Ratio	Lower	Upper
107	100		
144	27.6	19.1	28.7
142	68.9	58.6	87.8

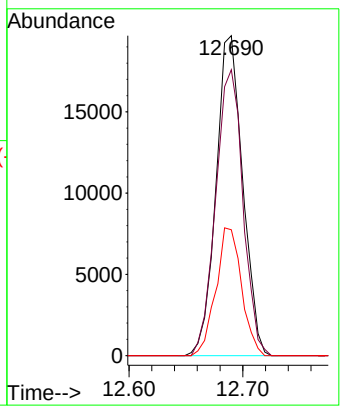




#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 3212

Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0



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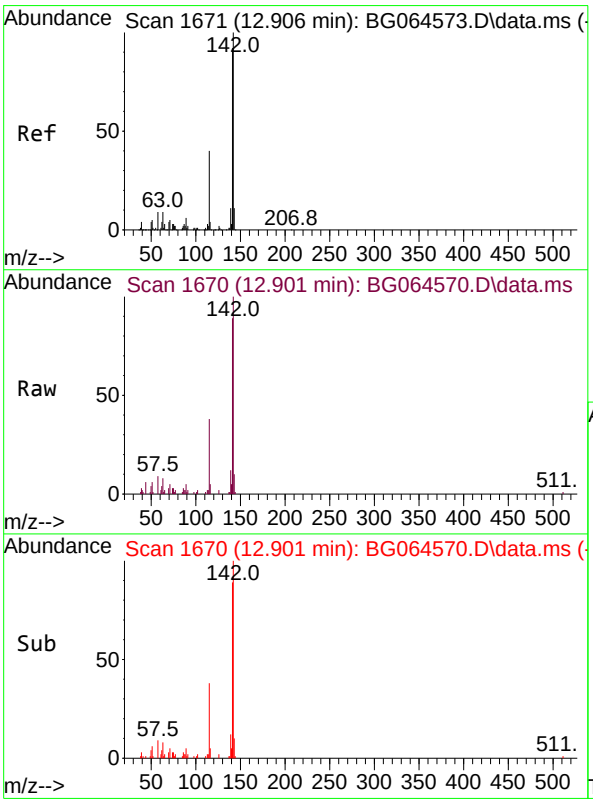
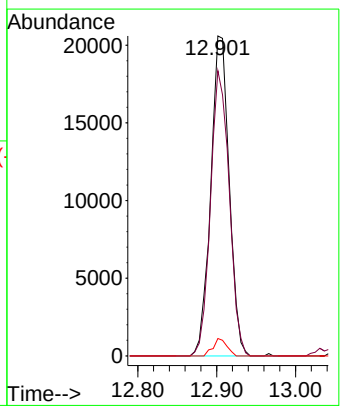
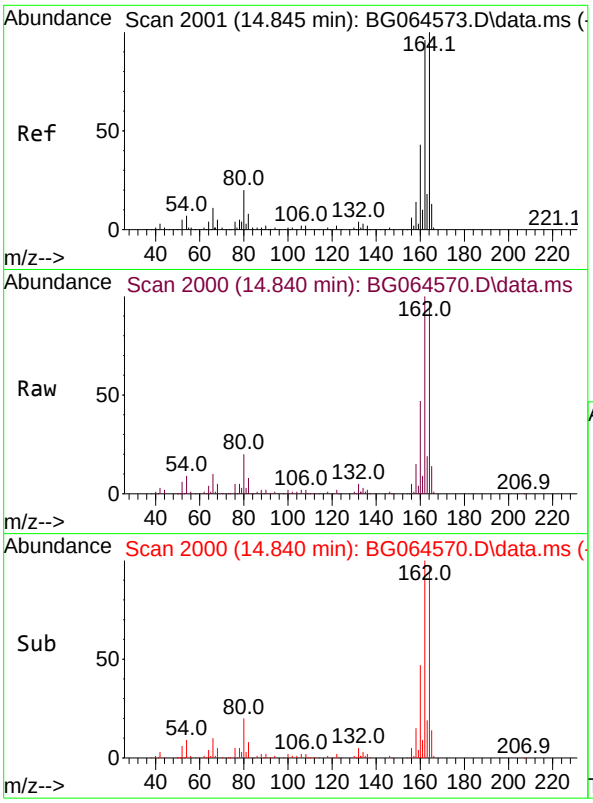


#38
1-Methylnaphthalene
Concen: 4.951 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33565

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.3	109.9
116	5.4	3.1	4.7#

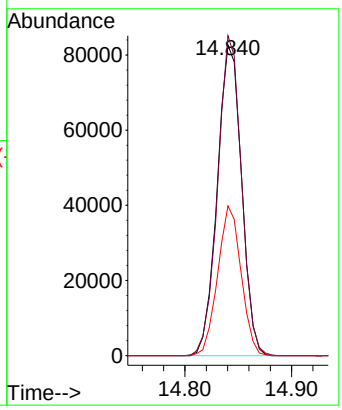




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:164 Resp: 13138

Ion	Ratio	Lower	Upper
164	100		
162	103.0	77.0	115.6
160	48.2	34.4	51.6



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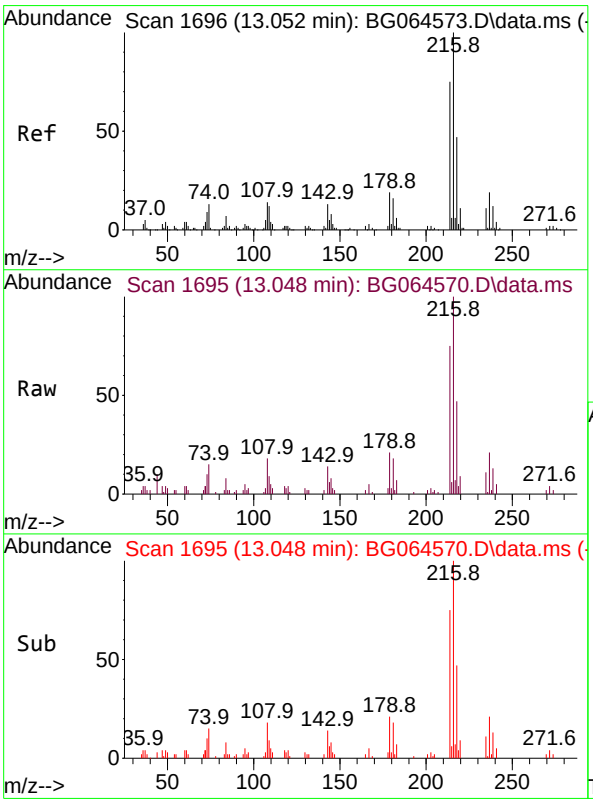
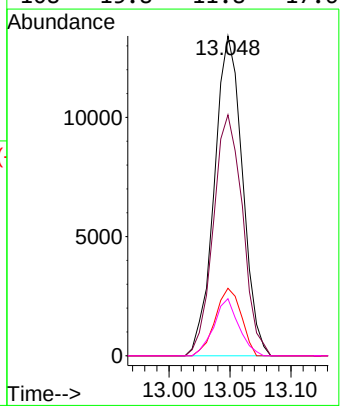
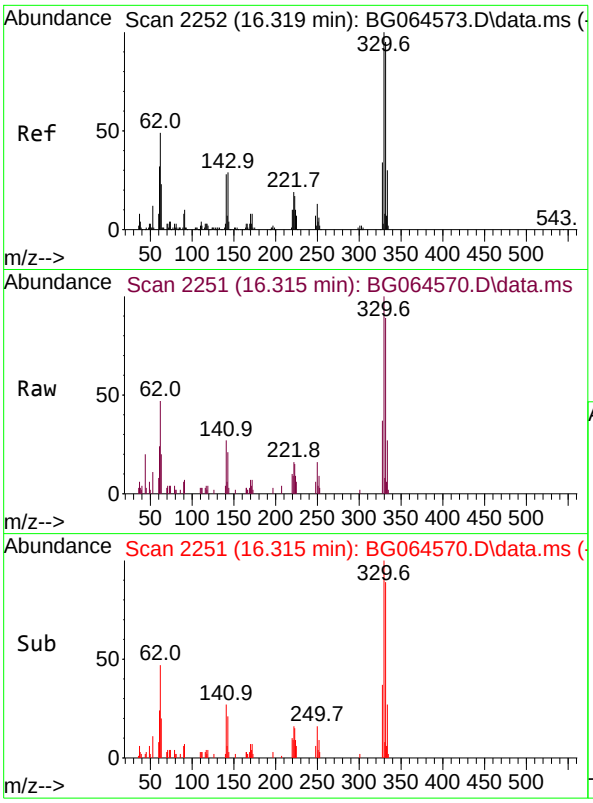


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

Ion	Ratio	Lower	Upper
216	100		
214	78.0	61.4	92.2
179	19.5	15.4	23.0
108	15.8	11.8	17.6

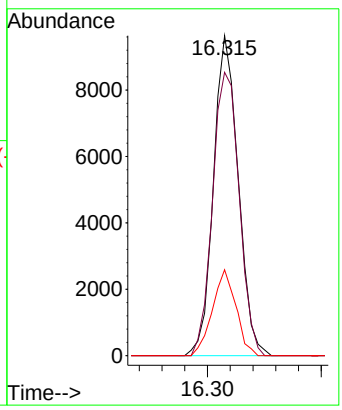




#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:330 Resp: 1451

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	25.5	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
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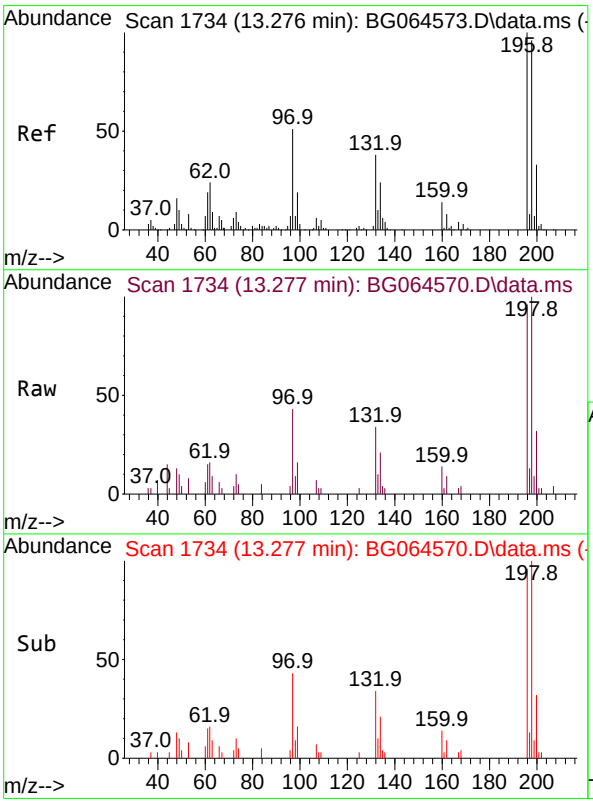
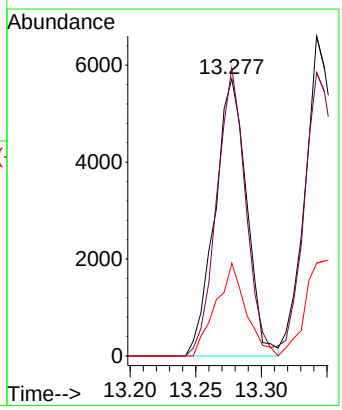
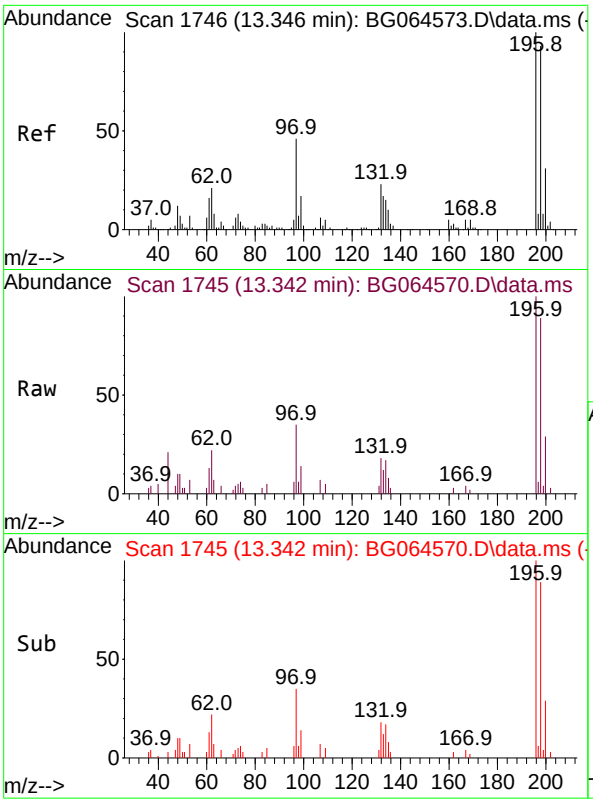


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 9650

Ion	Ratio	Lower	Upper
196	100		
198	103.9	76.6	115.0
200	33.5	26.0	39.0

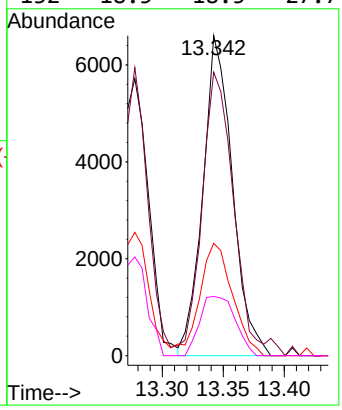




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 1115

Ion	Ratio	Lower	Upper
196	100		
198	88.6	74.2	111.4
97	35.1	37.0	55.6#
132	18.5	18.5	27.7



Instrument :
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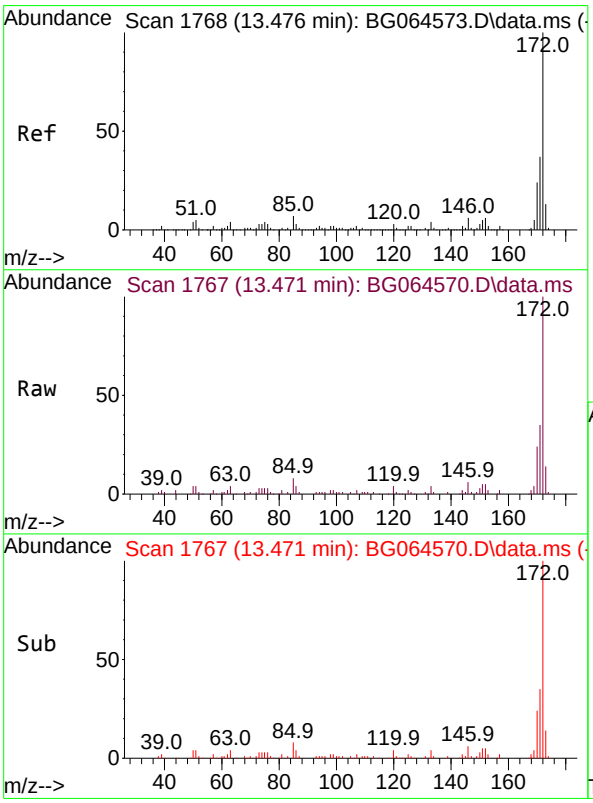
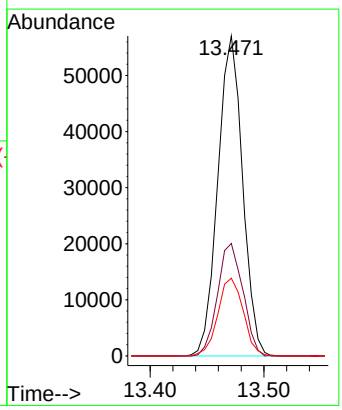
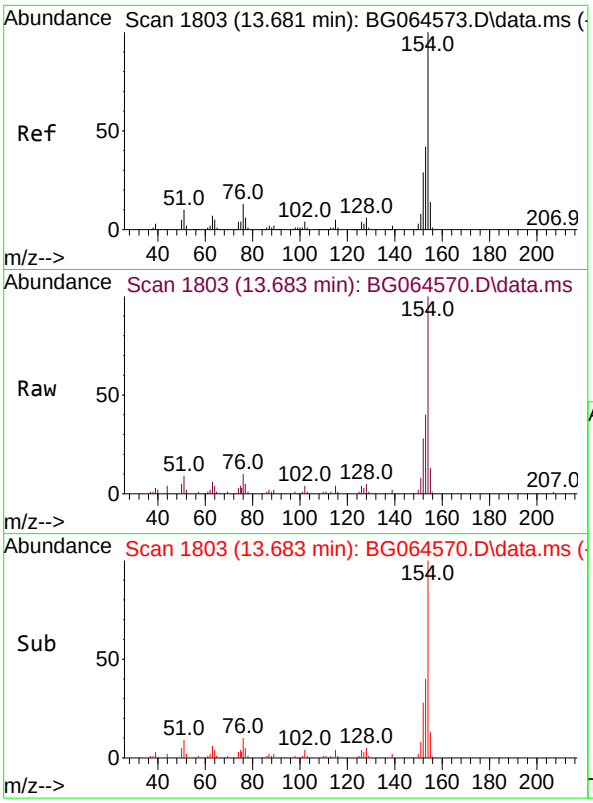


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:172 Resp: 86089

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	24.3	19.1	28.7

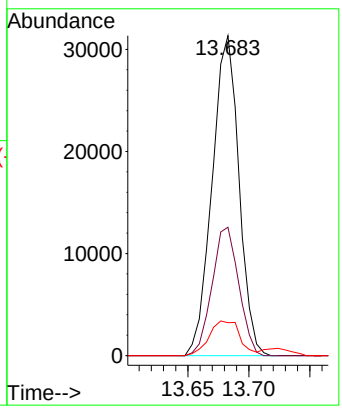




#46
1,1'-Biphenyl
Concen: 5.122 ng
RT: 13.683 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 4784

Ion	Ratio	Lower	Upper
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5



Instrument :
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ClientSampleId :
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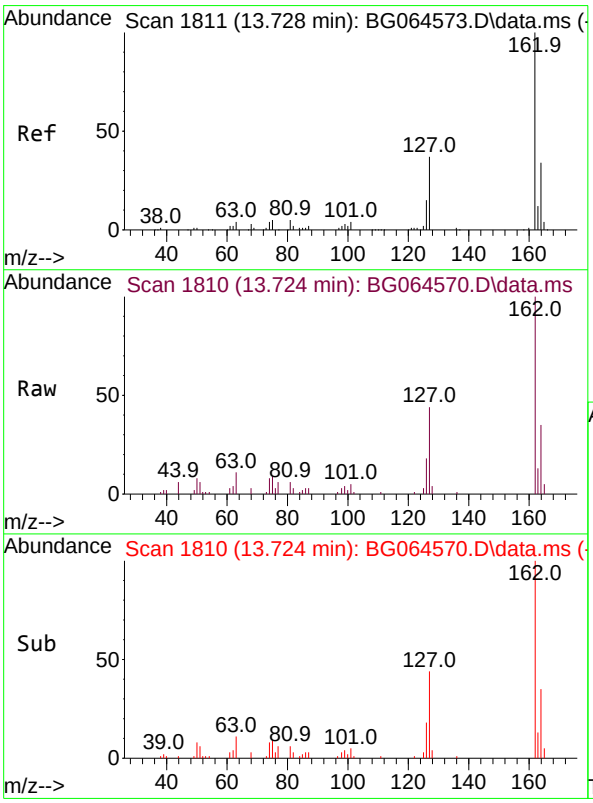
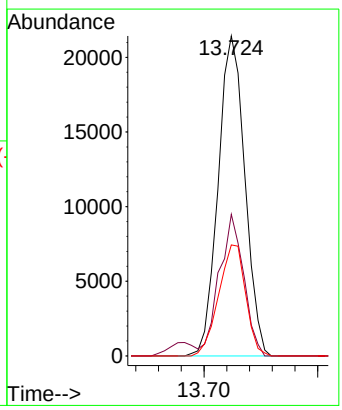
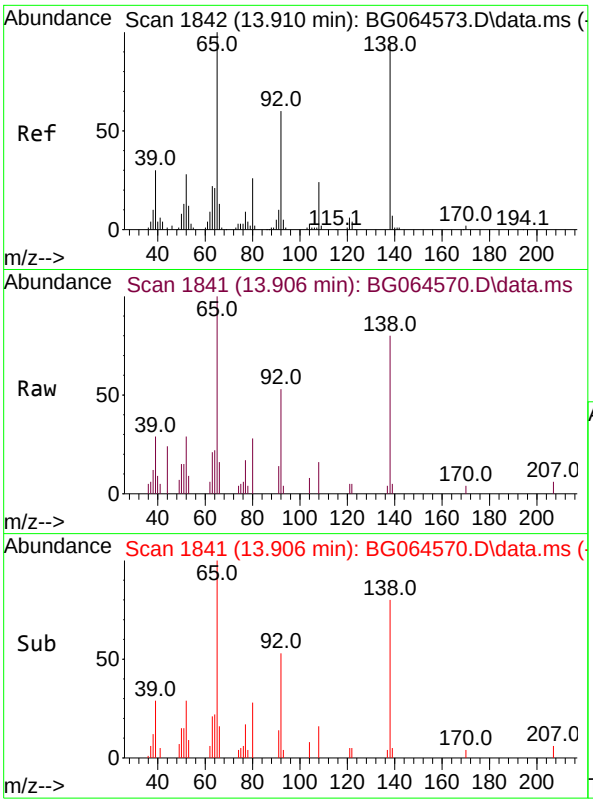


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 34977

Ion	Ratio	Lower	Upper
162	100		
127	44.2	32.2	48.2
164	34.7	27.5	41.3

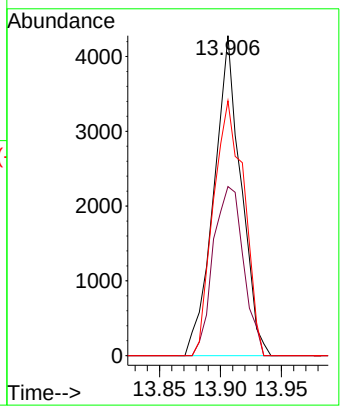




#48
2-Nitroaniline
Concen: 5.826 ng
RT: 13.906 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 65 Resp: 6601

Ion	Ratio	Lower	Upper
65	100		
92	52.8	48.3	72.5
138	79.6	74.9	112.3



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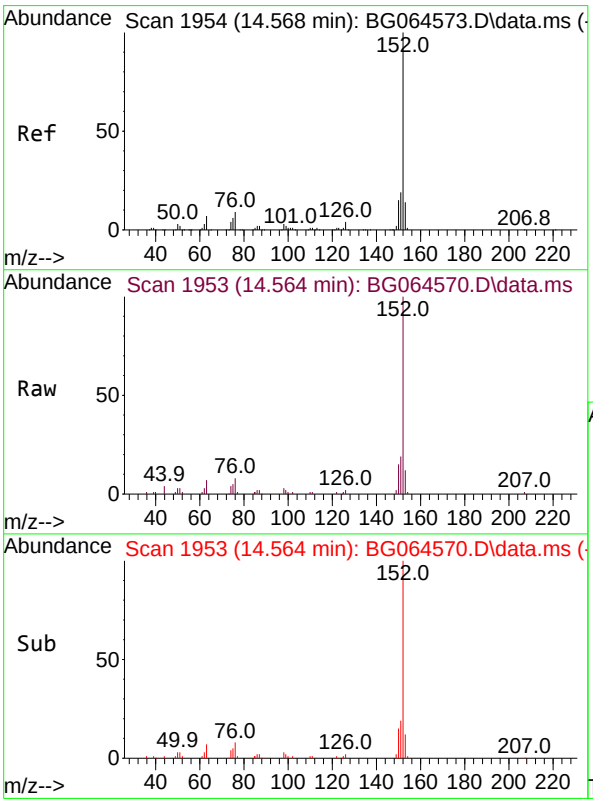
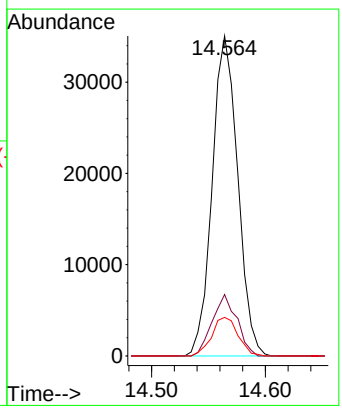
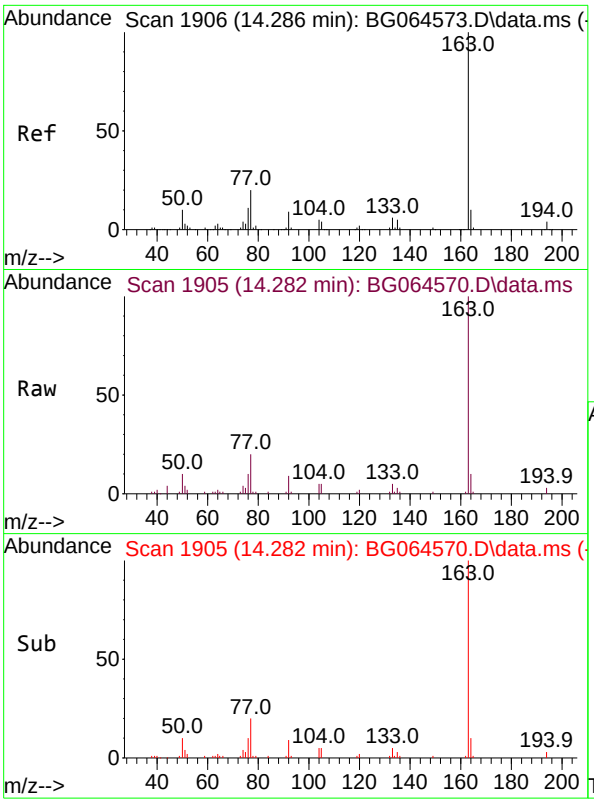


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 54748

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.0	11.0	16.4





#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:163 Resp: 4563

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	7.7	11.5

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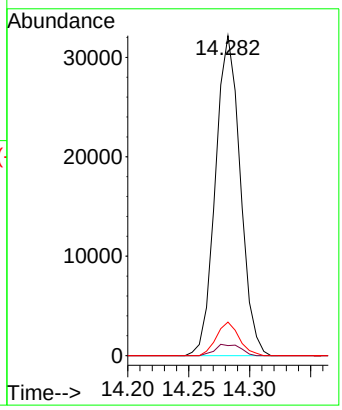
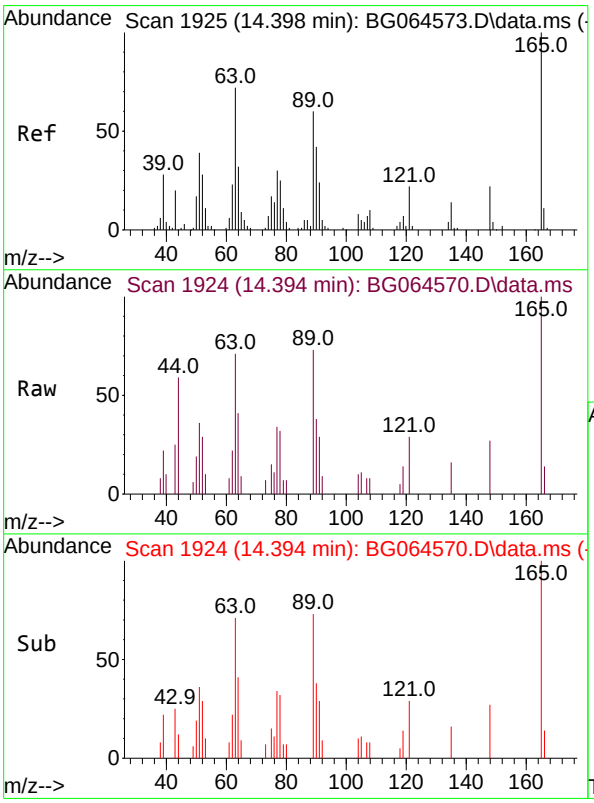
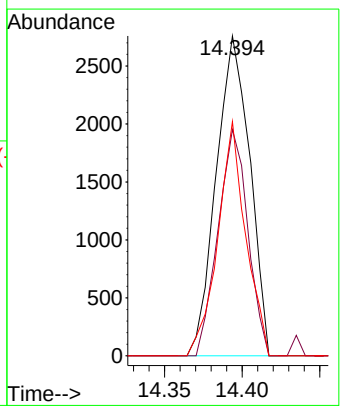


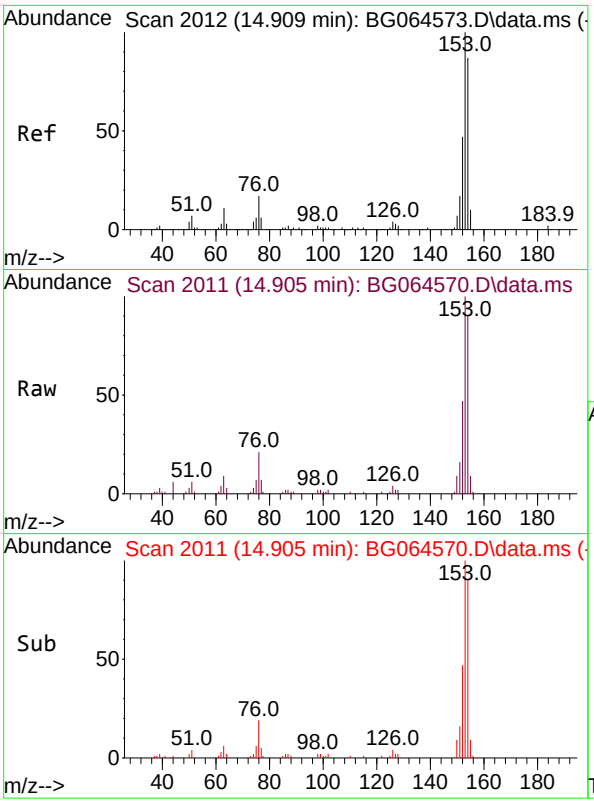


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 4161

Ion	Ratio	Lower	Upper
165	100		
63	70.7	57.4	86.0
89	73.2	47.8	71.8#

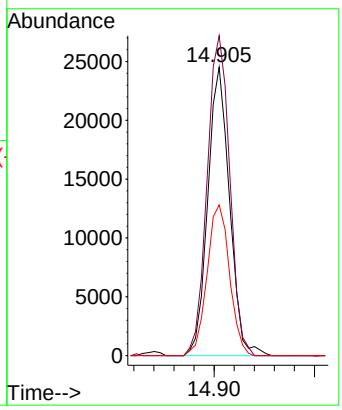




#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 3698

Ion	Ratio	Lower	Upper
154	100		
153	111.0	92.2	138.4
152	52.2	43.2	64.8



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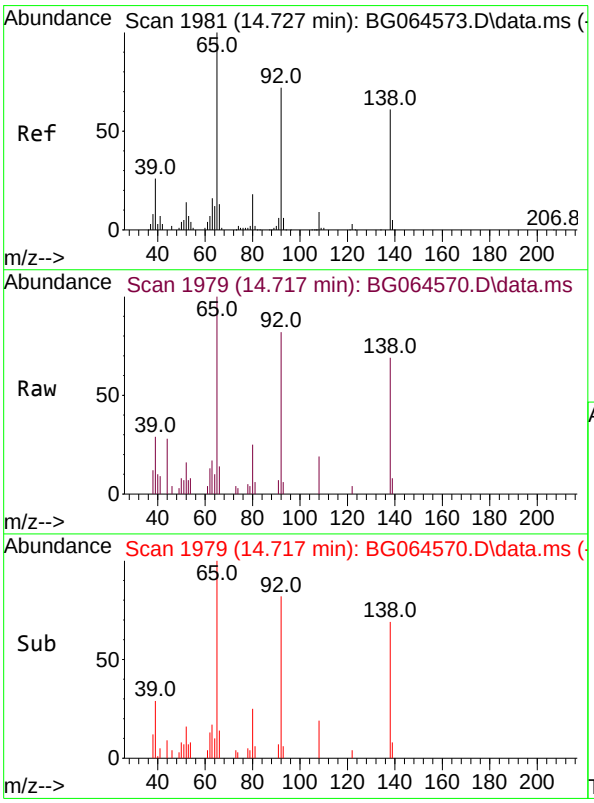
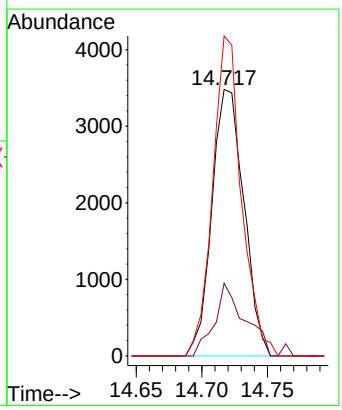
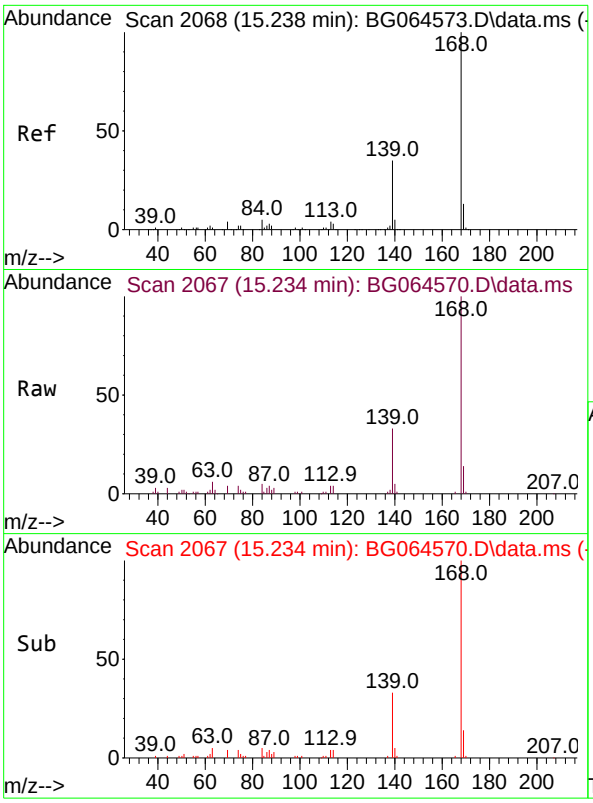


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 5903

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	120.0	95.3	142.9

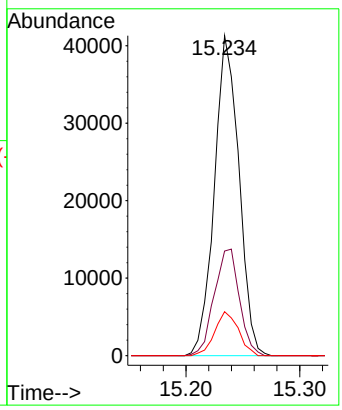




#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:168 Resp: 6177

Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.8	41.8
169	13.7	10.3	15.5



Instrument :
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ClientSampleId :
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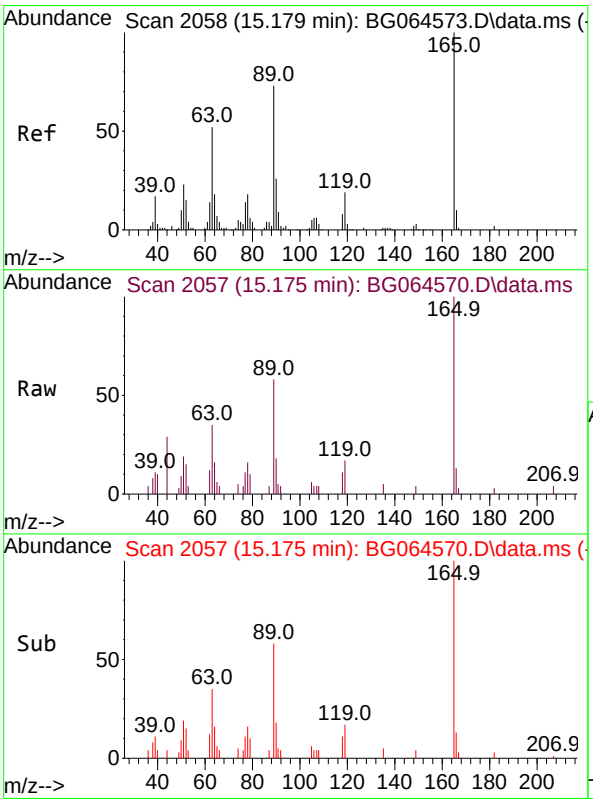
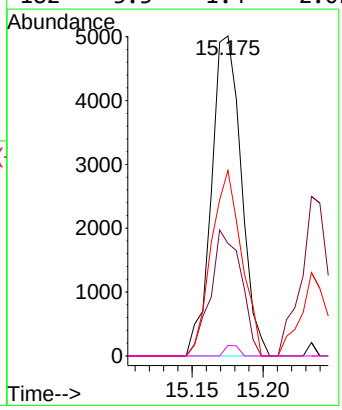
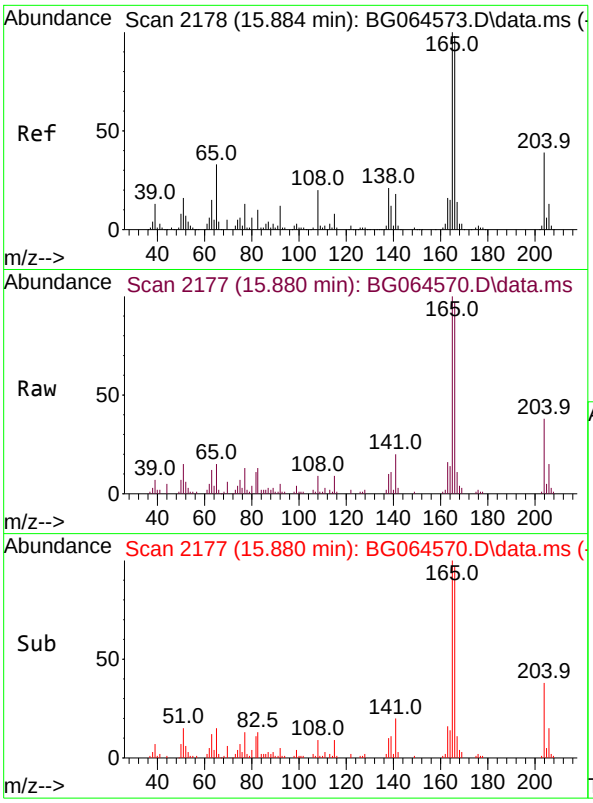


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 7312

Ion	Ratio	Lower	Upper
165	100		
63	35.1	41.8	62.8#
89	57.9	58.1	87.1#
182	3.3	1.4	2.0#

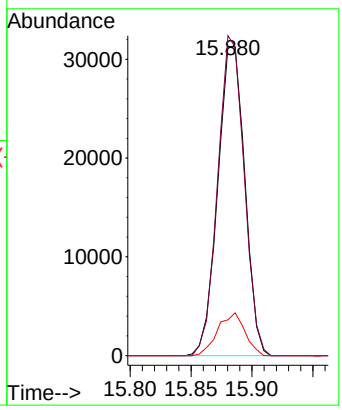




#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:166 Resp: 4830

Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.5	122.3
167	11.6	11.4	17.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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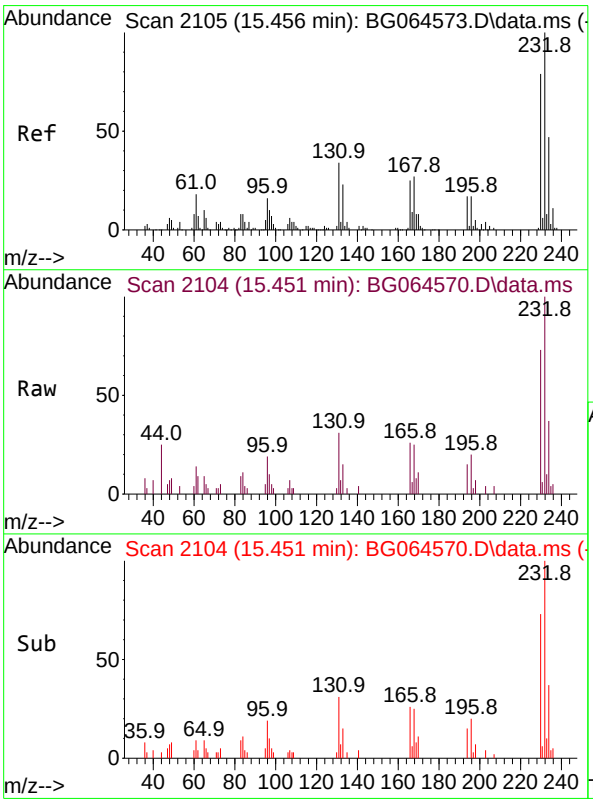
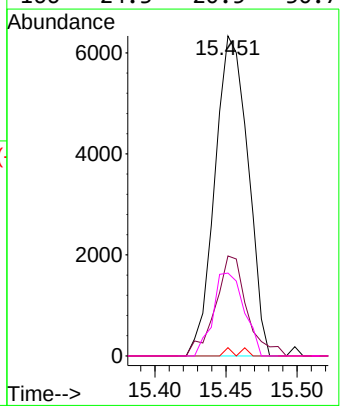
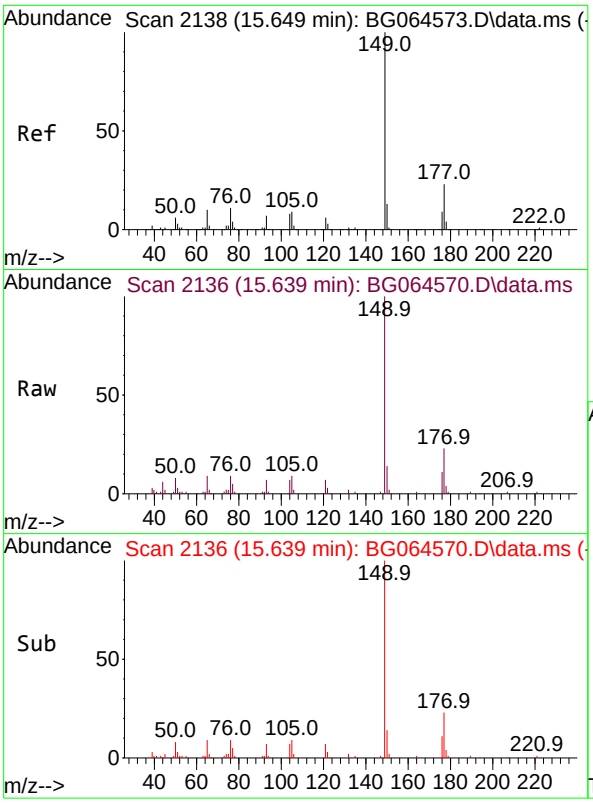


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:232 Resp: 10241

Ion	Ratio	Lower	Upper
232	100		
131	29.7	26.7	40.1
130	1.1	1.6	2.4#
166	24.3	20.5	30.7





#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4653

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.9	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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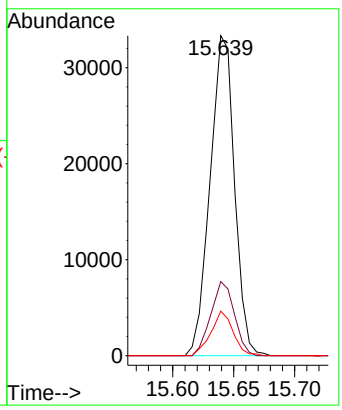
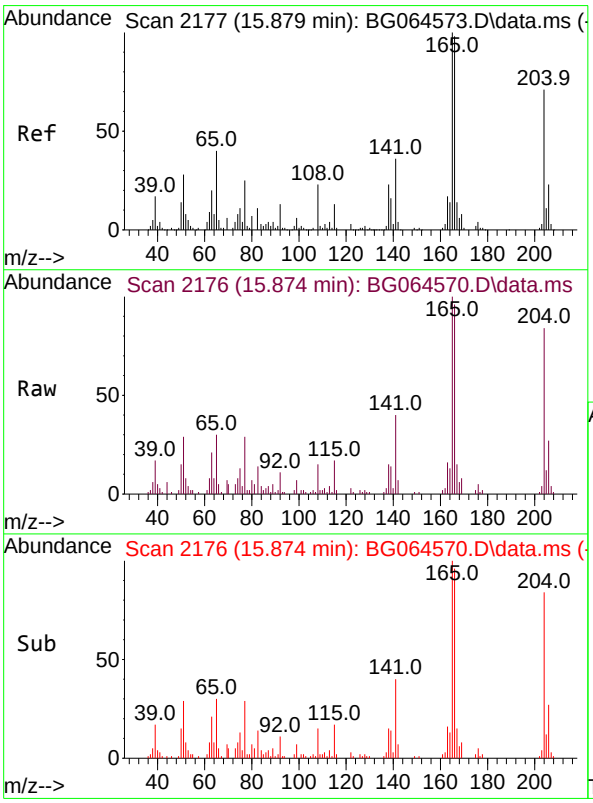
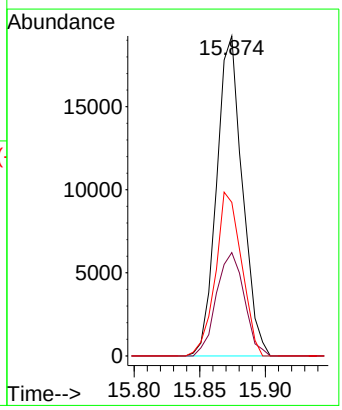


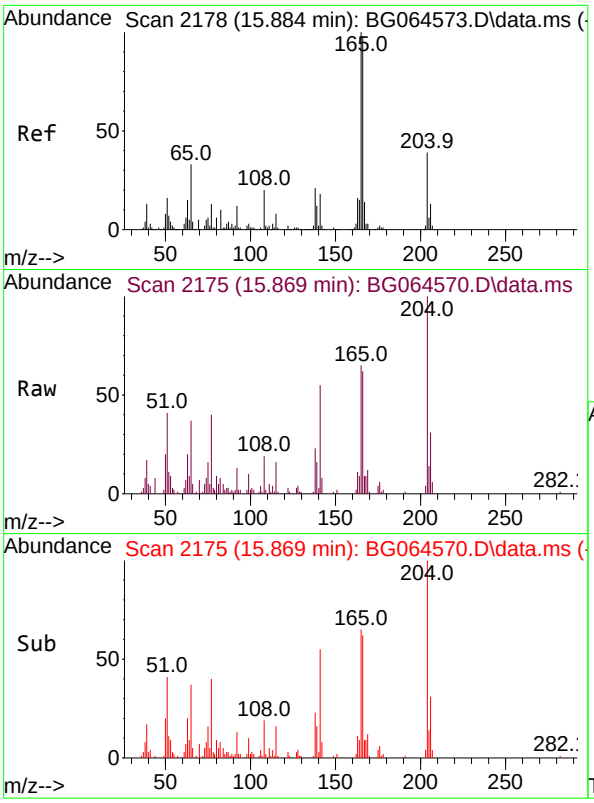


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:204 Resp: 26270

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	48.0	40.6	60.8

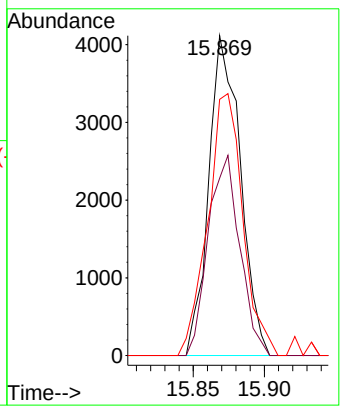




#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 638

Ion	Ratio	Lower	Upper
138	100		
92	55.4	36.1	76.1
108	80.1	75.6	115.6



Instrument :
BNA_G
ClientSampleId :
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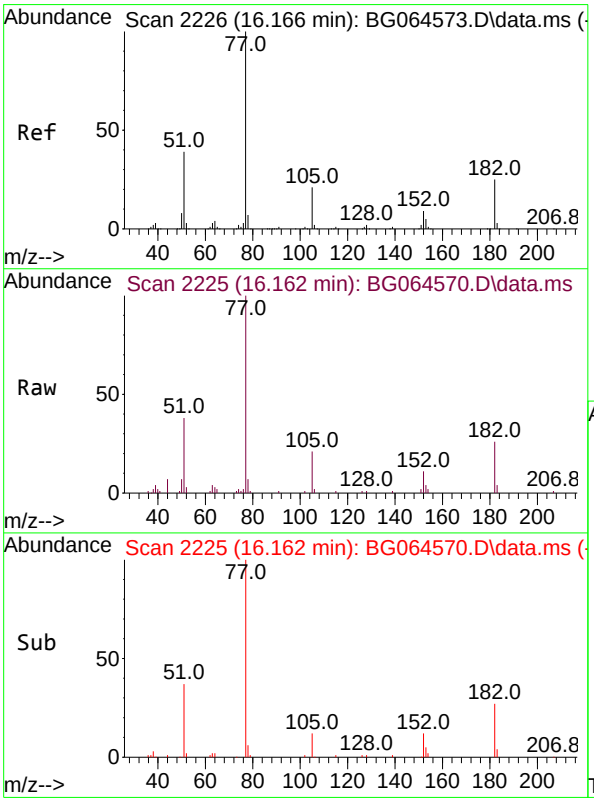
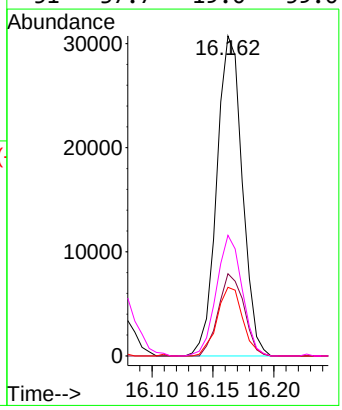
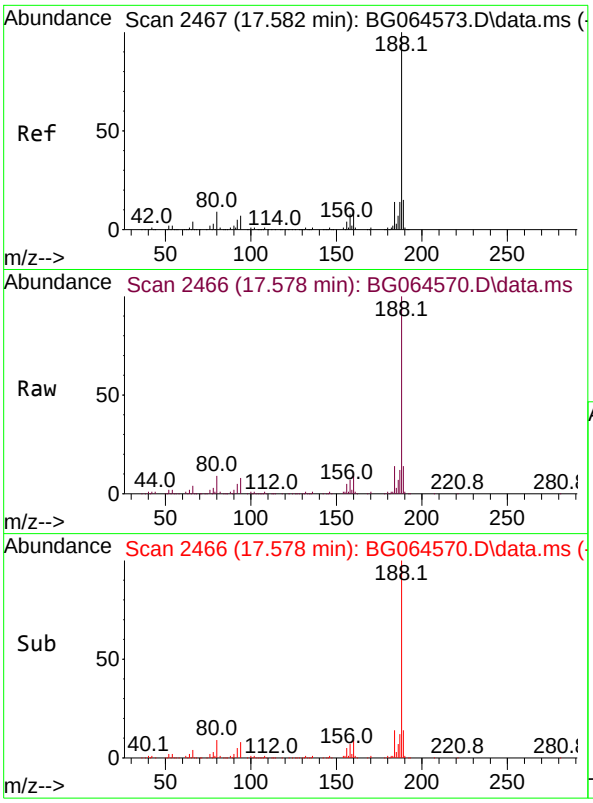


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 44729

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	21.4	1.3	41.3
51	37.7	19.0	59.0

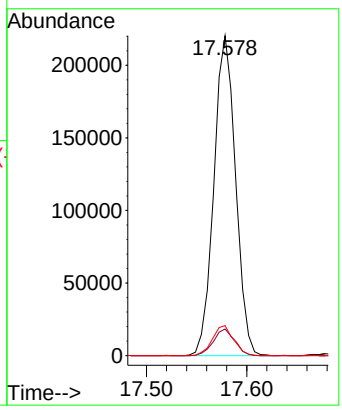




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:188 Resp: 33137

Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.7	8.5
80	9.4	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
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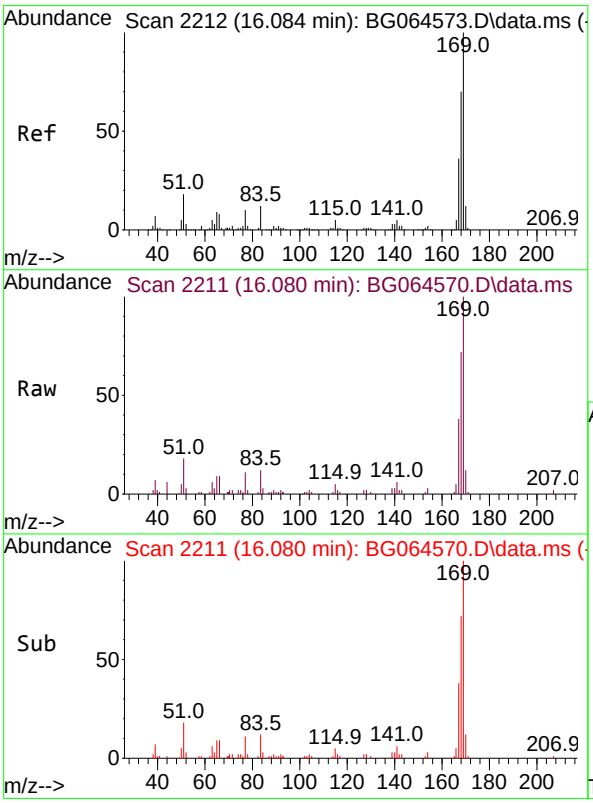
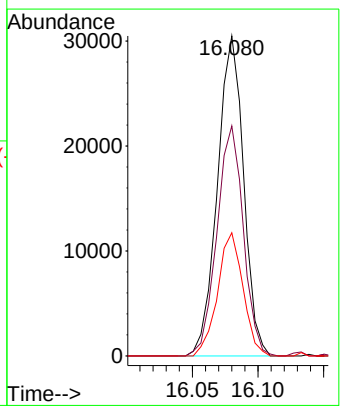
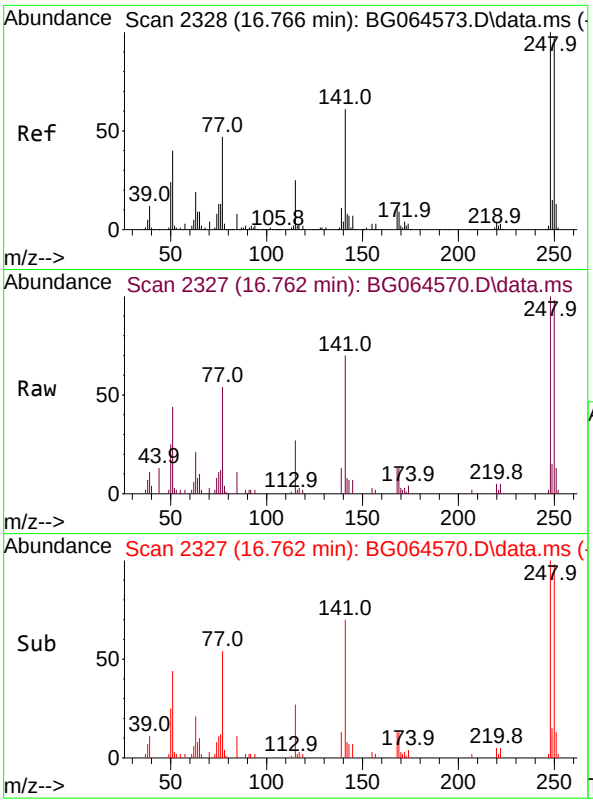


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:169 Resp: 42291

Ion	Ratio	Lower	Upper
169	100		
168	71.9	56.3	84.5
167	38.5	29.0	43.6

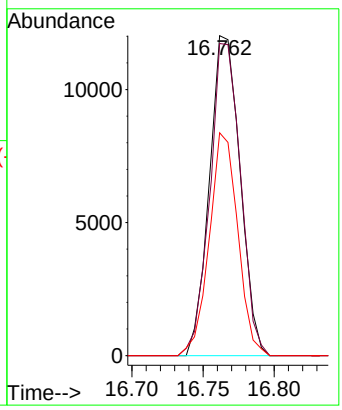




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:248 Resp: 1806

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	69.6	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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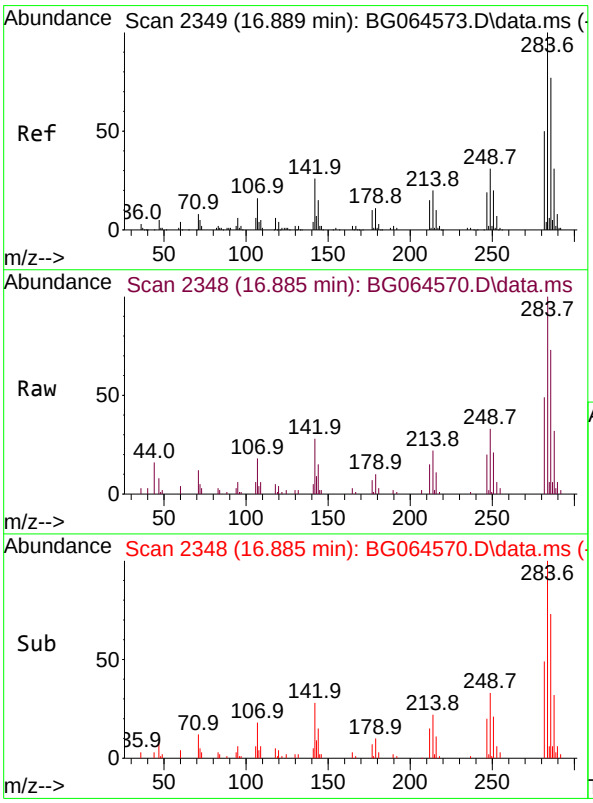
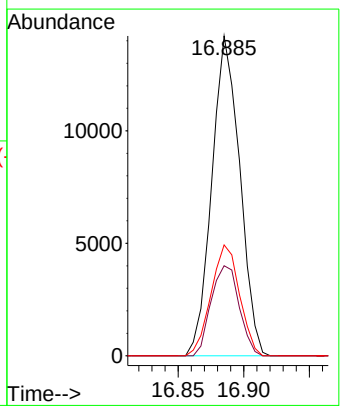
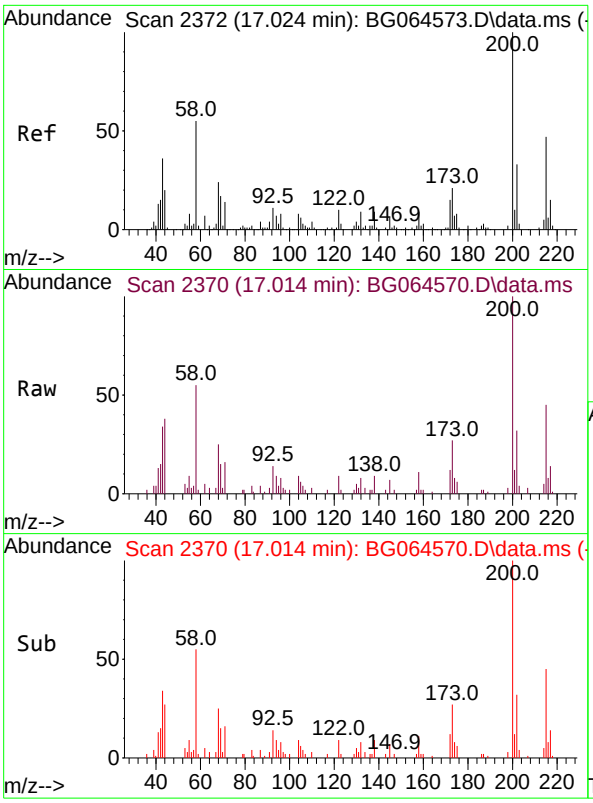


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:284 Resp: 21076

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.0	31.6
249	34.7	24.9	37.3

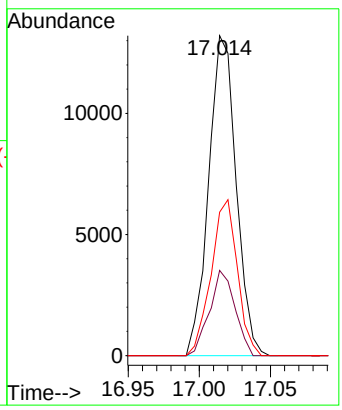




#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:200 Resp: 1778

Ion	Ratio	Lower	Upper
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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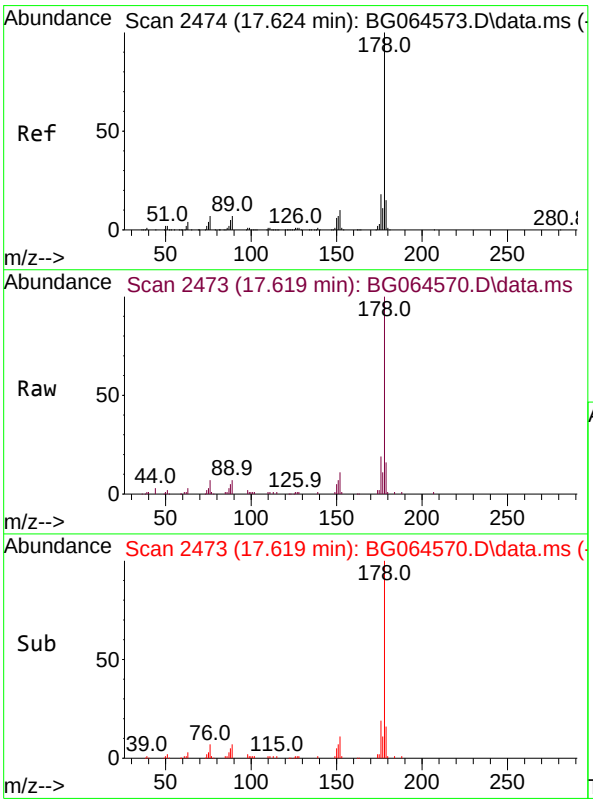
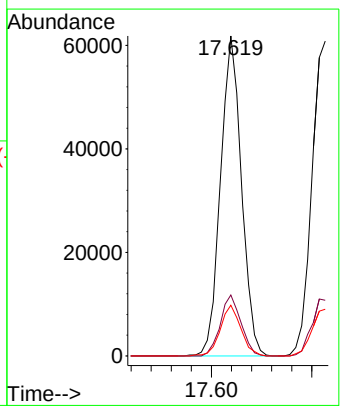
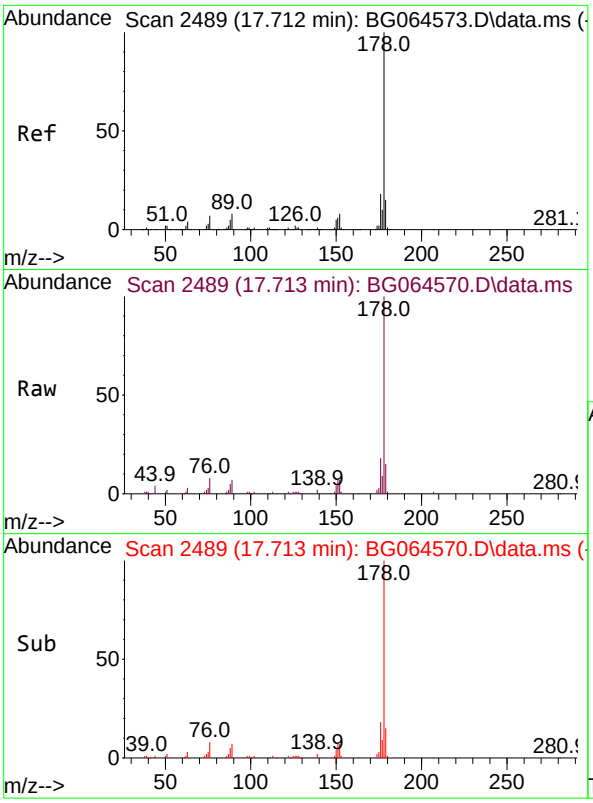


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 89771

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4

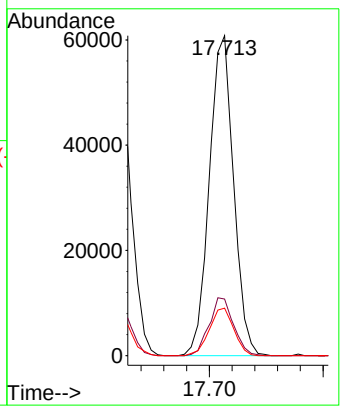




#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 9006

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	14.8	12.4	18.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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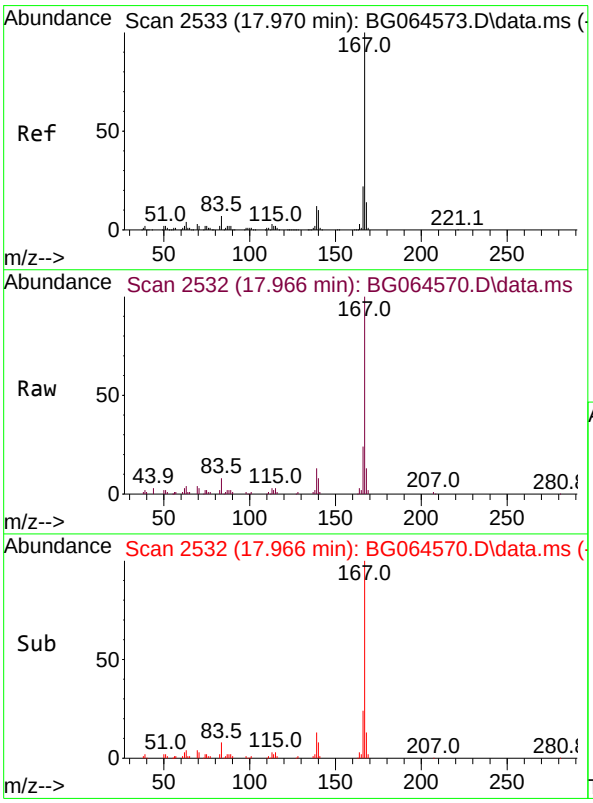
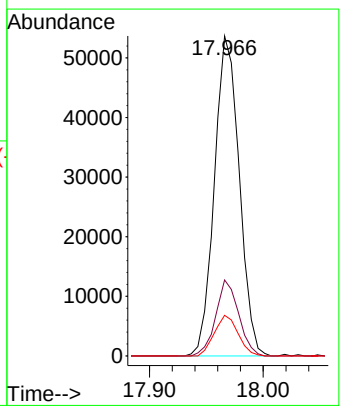
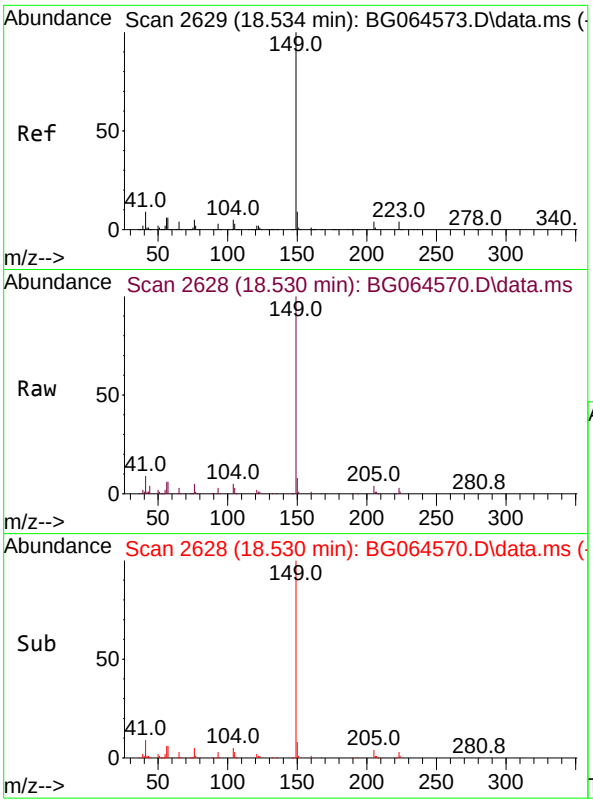


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:167 Resp: 81350

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.9	26.9
139	12.7	9.7	14.5

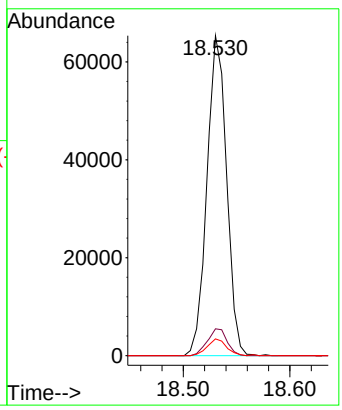




#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 8371

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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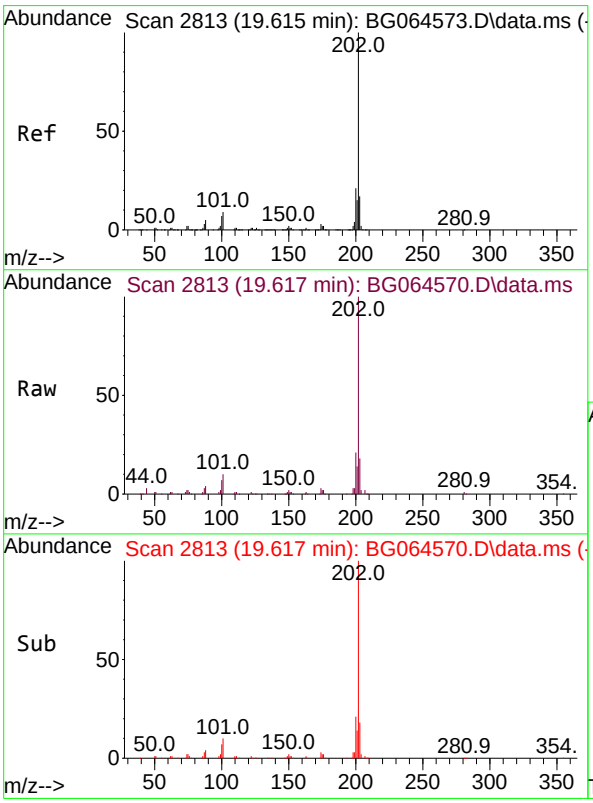
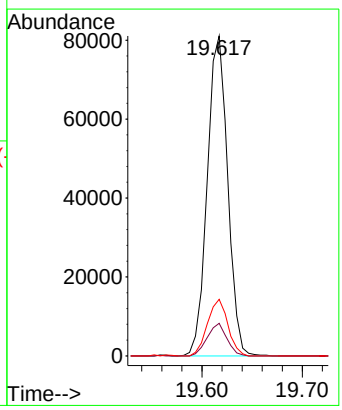
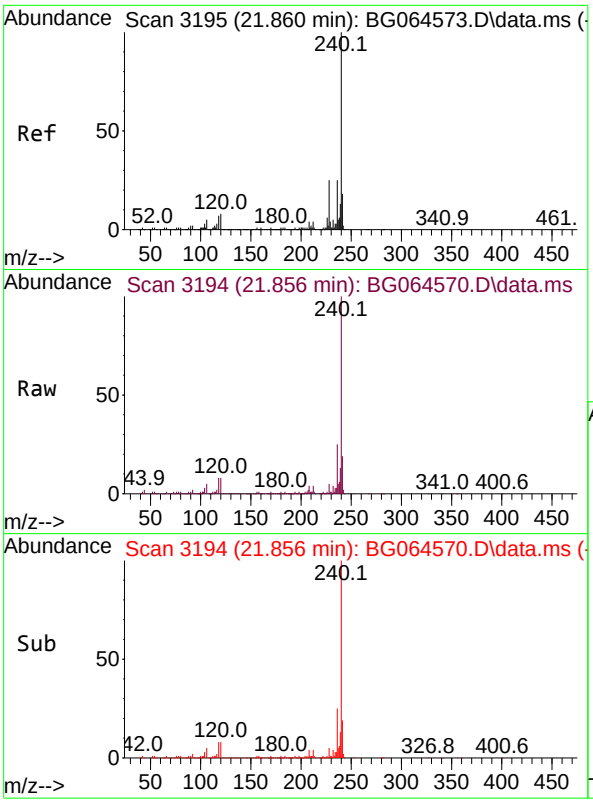


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 114724

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	28.7
203	17.7	0.0	37.0

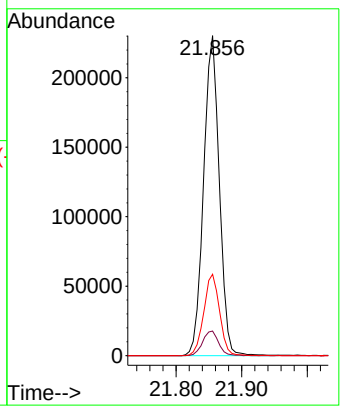




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 381389

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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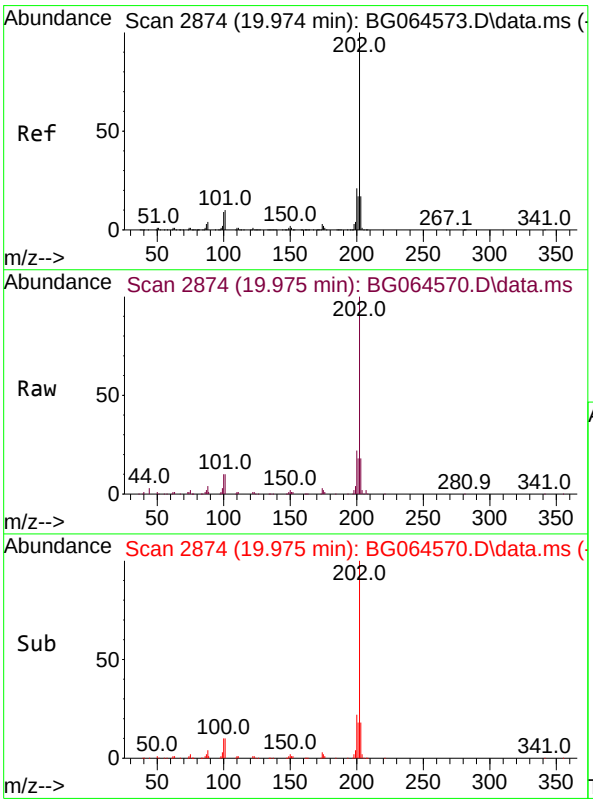
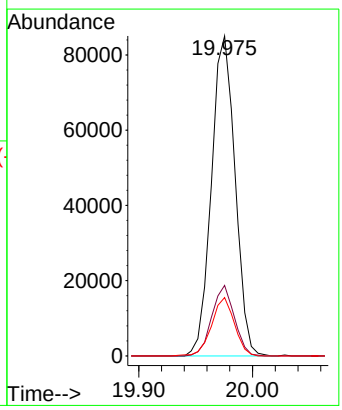
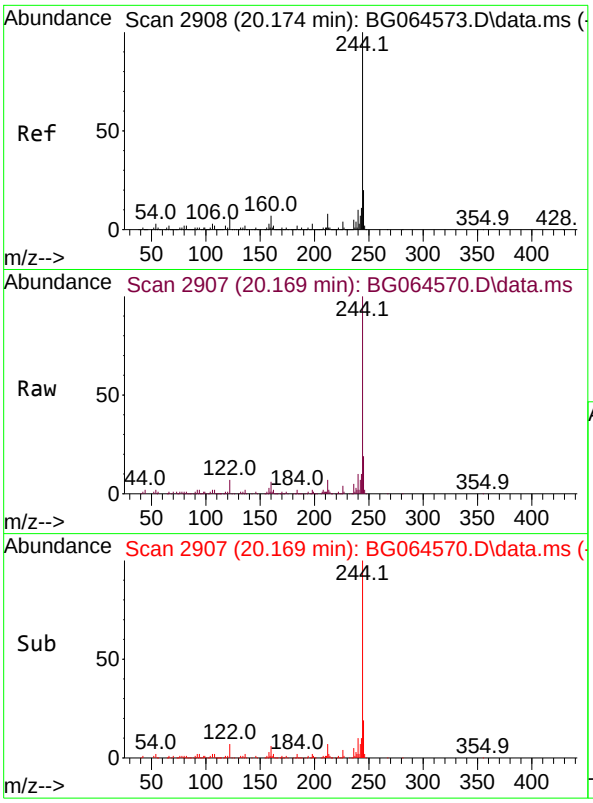


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 122676

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	18.2	13.8	20.6





#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

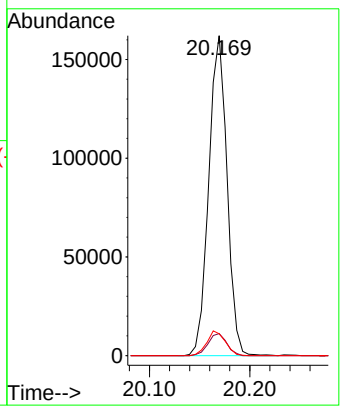
Tgt Ion:244 Resp: 204719

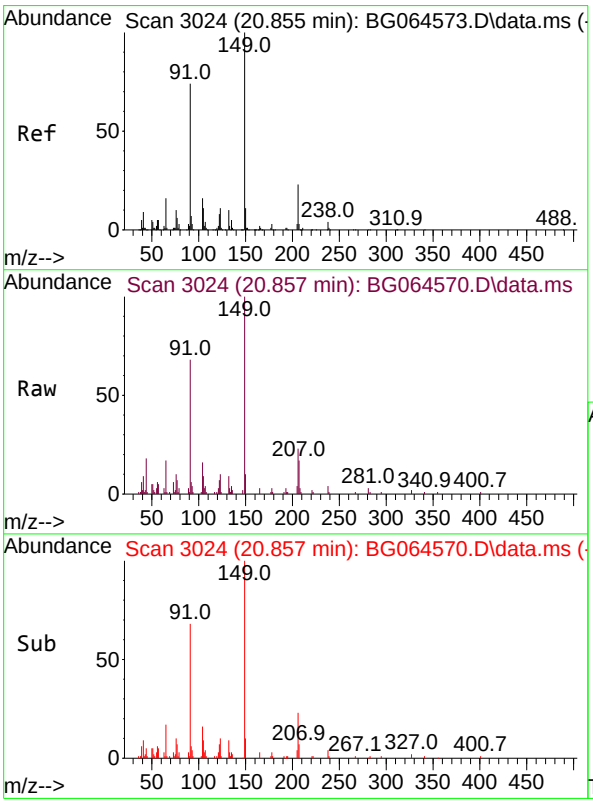
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

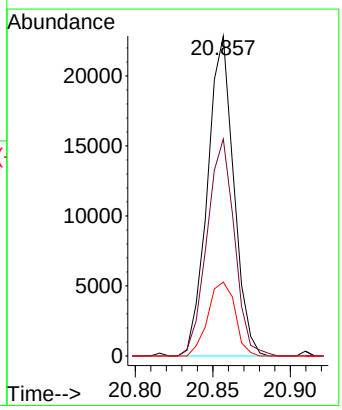


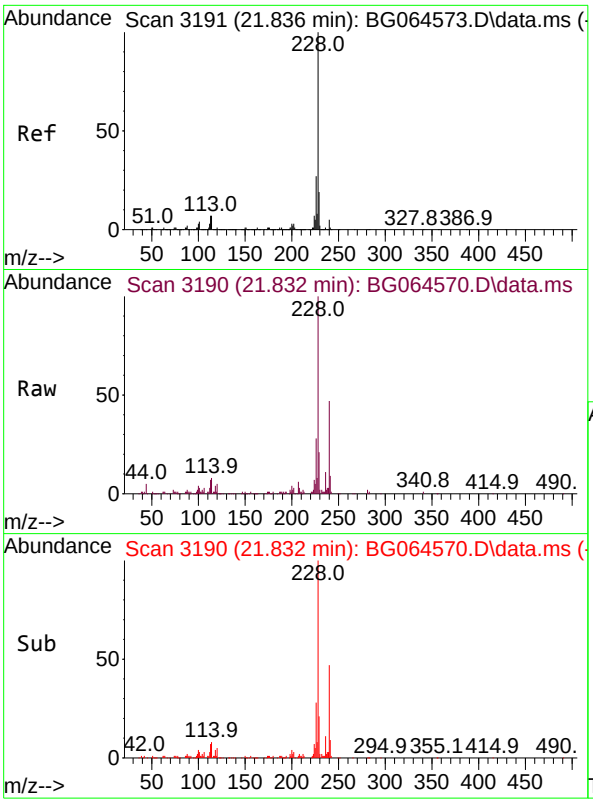


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 27072

Ion	Ratio	Lower	Upper
149	100		
91	67.8	59.2	88.8
206	23.1	18.1	27.1

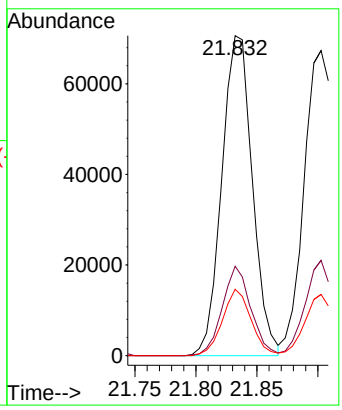




#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 12334

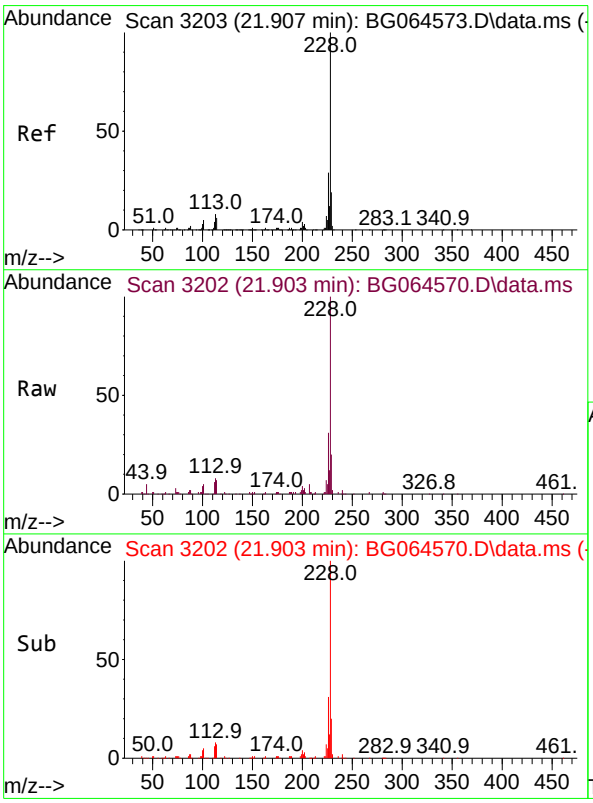
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

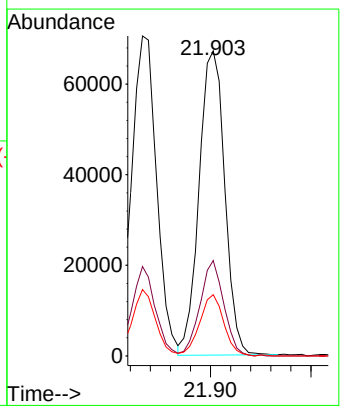
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

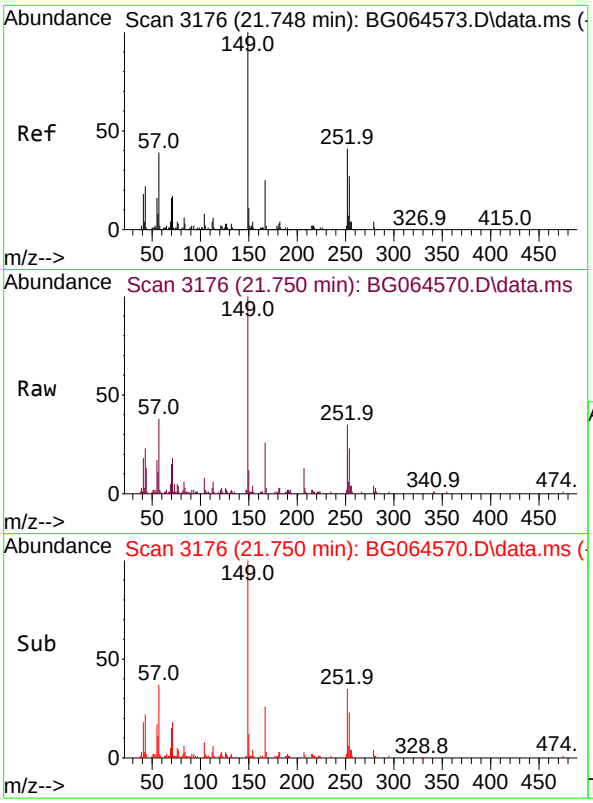


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 119080

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.3	34.9
229	20.1	15.2	22.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

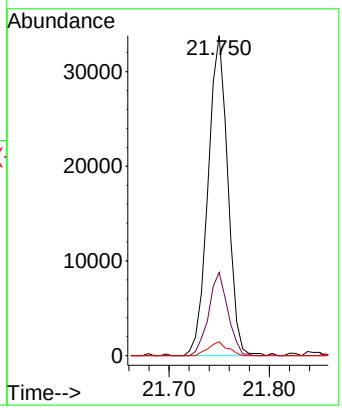
Tgt Ion:149 Resp: 4611

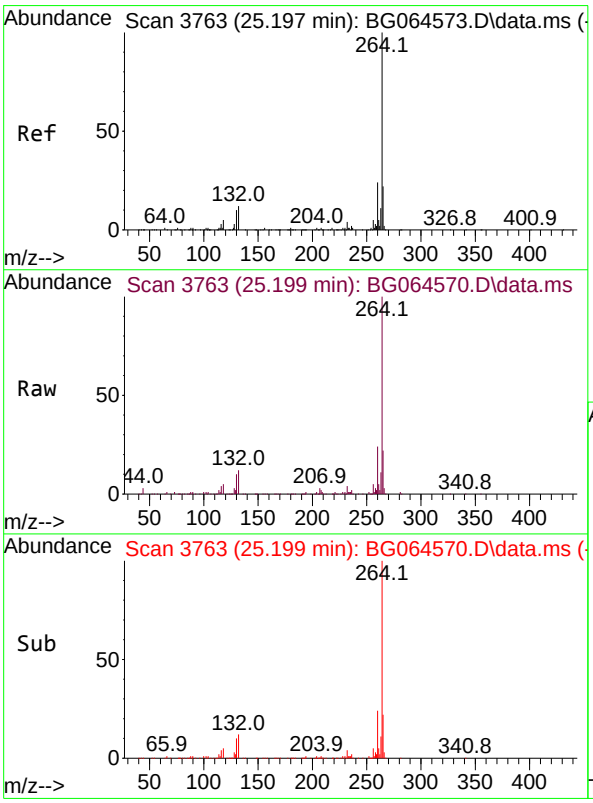
Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

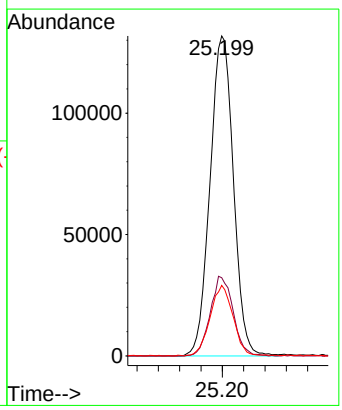


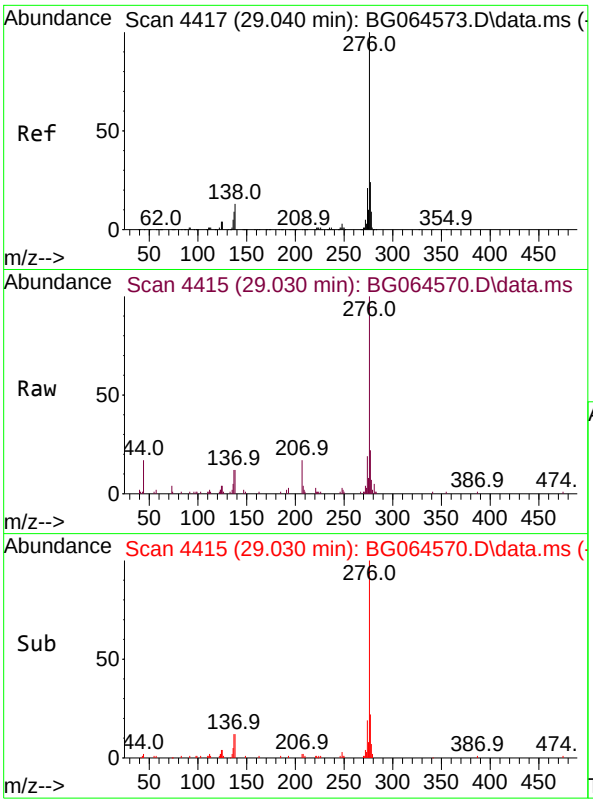


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:264 Resp: 401350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.1	17.6	26.4

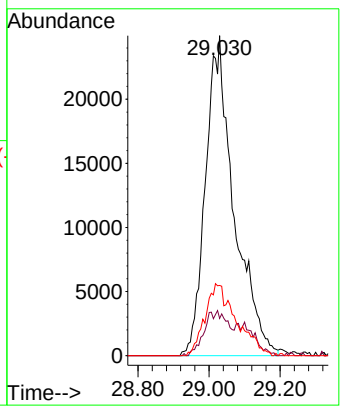




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 13875

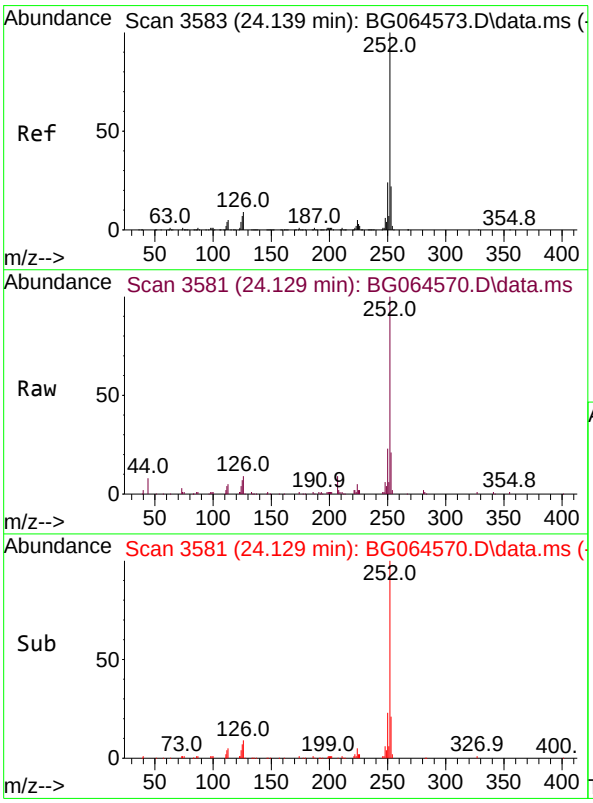
Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2
277	24.6	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

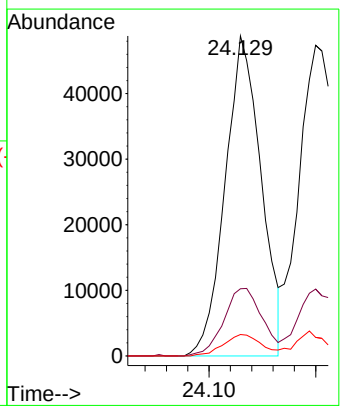
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

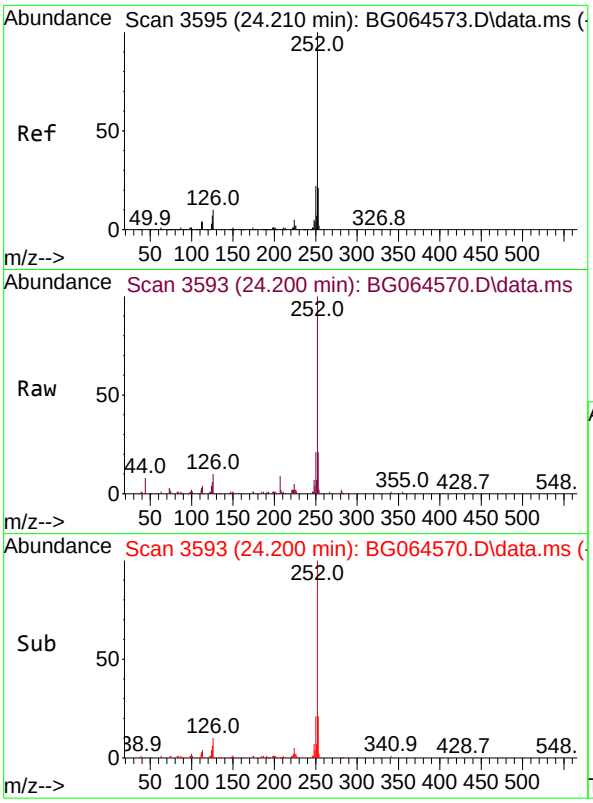


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 114203

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.8
125	6.7	5.6	8.4

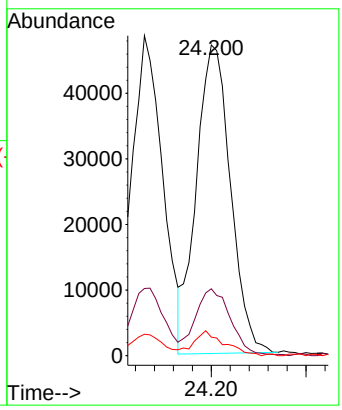




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 11789

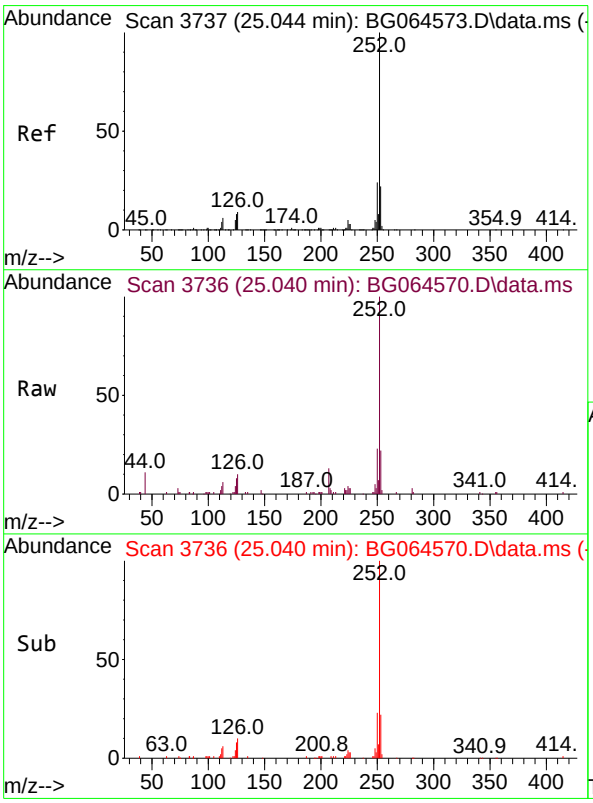
Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

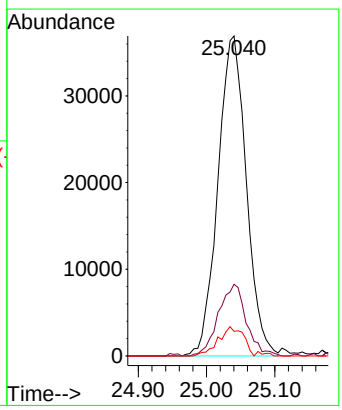
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

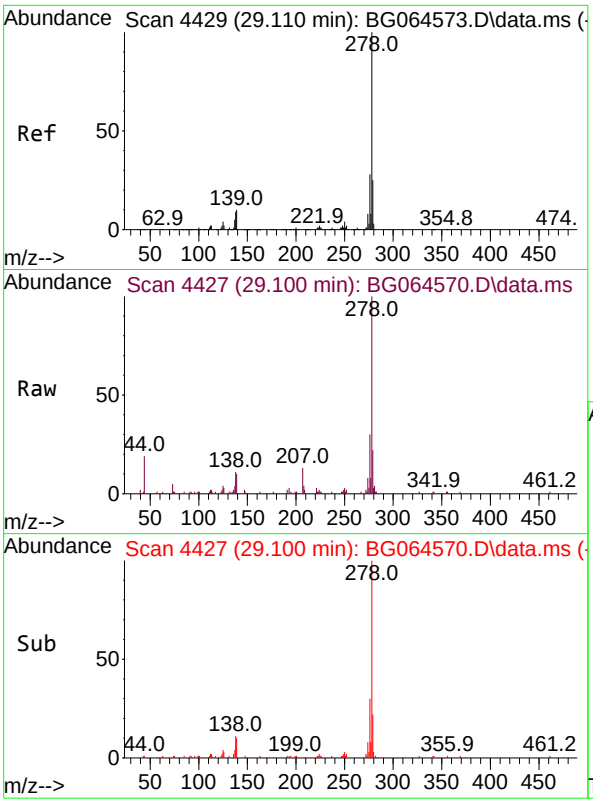


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 106414

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.7	6.1	9.1

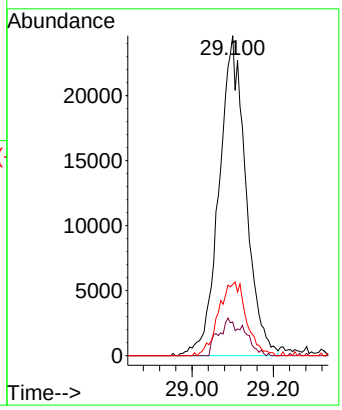




#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:278 Resp: 11239

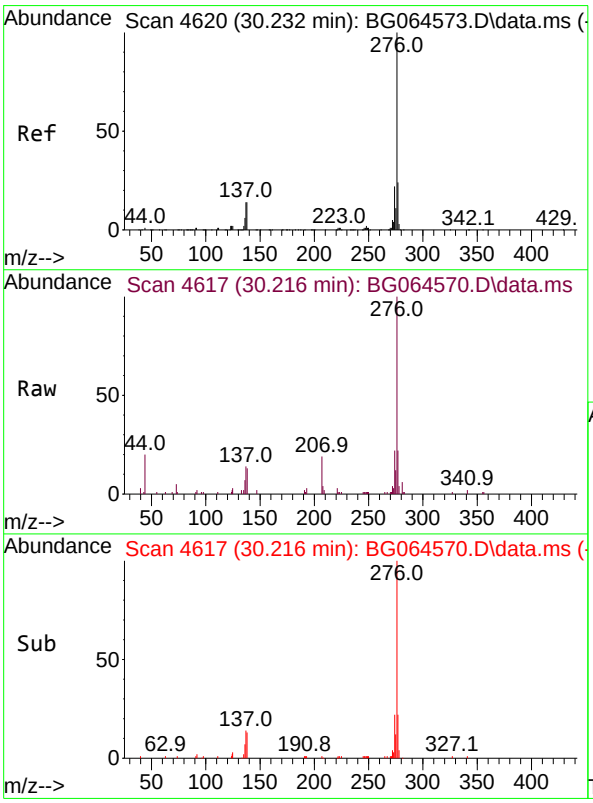
Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

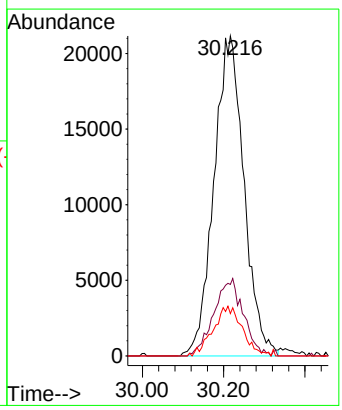
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 4.731 ng
RT: 30.216 min Scan# 4617
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 108407

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.1	28.7
138	13.2	11.3	16.9



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng		0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng		0.00
86) Perylene-d12	25.198	264	354939	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	43837	20.257	ng		0.00
7) Phenol-d6	7.348	99	60084	20.233	ng		0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng		0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng		0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng		97
3) Pyridine	3.999	79	29199	10.148	ng		95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	#	92
6) Aniline	7.530	93	42134	10.427	ng		97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng		96
9) Benzaldehyde	7.342	77	17117	10.558	ng		94
10) Phenol	7.372	94	33058	10.066	ng		87
11) bis(2-Chloroethyl)ether	7.618	93	25594	10.600	ng		91
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng		98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng		91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng		96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng		97
17) 2-Methylphenol	8.647	107	22254	10.206	ng		97
18) Hexachloroethane	9.322	117	9723	10.452	ng		93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	#	98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng		95
22) Acetophenone	9.040	105	42851	10.338	ng	#	93
24) Nitrobenzene	9.422	77	23618	8.602	ng		98
25) Isophorone	9.951	82	60347	9.962	ng		98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	#	91
27) 2,4-Dimethylphenol	10.192	122	22259	9.879	ng		96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng		98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng		94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng		93
31) Naphthalene	11.097	128	86750	10.319	ng		99
32) Benzoic acid	10.245	122	10748m	10.637	ng		
33) 4-Chloroaniline	11.185	127	34581	10.583	ng		97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng		95
35) Caprolactam	11.931	113	8521	9.162	ng		92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng		98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng		95
38) 1-Methylnaphthalene	12.906	142	64384	10.540	ng		95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng		98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng		91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng		94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng		96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng		98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng		91
49) Acenaphthylene	14.563	152	101526	10.198	ng		100
50) Dimethylphthalate	14.281	163	92308	10.256	ng		96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng		87
52) Acenaphthene	14.904	154	69273	10.184	ng		97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	#	92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	#	1
55) Dibenzofuran	15.239	168	115990	10.548	ng		97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng		86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	#	94
58) Fluorene	15.879	166	91712	10.679	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	#	99
60) Diethylphthalate	15.644	149	96719	10.525	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng		97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng		95
63) Azobenzene	16.161	77	88441	10.489	ng		97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng		86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng		99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng		96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng		94
69) Atrazine	17.019	200	34185	9.785	ng		99
70) Pentachlorophenol	17.225	266	19859	7.838	ng		96
71) Phenanthrene	17.618	178	170294	10.361	ng		99
72) Anthracene	17.712	178	171860	10.279	ng		98
73) Carbazole	17.965	167	155907	10.575	ng		99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng		99
75) Fluoranthene	19.616	202	219838	10.677	ng		98
77) Benzidine	19.781	184	67427	8.750	ng		99
78) Pyrene	19.975	202	228905	10.186	ng		99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng		94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng		99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng		94
83) Chrysene	21.902	228	222018	10.231	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	#	99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng		99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng		93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng		98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng		98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng		99
92) Benzo(g,h,i)perylene	30.210	276	206153	10.173	ng		98

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

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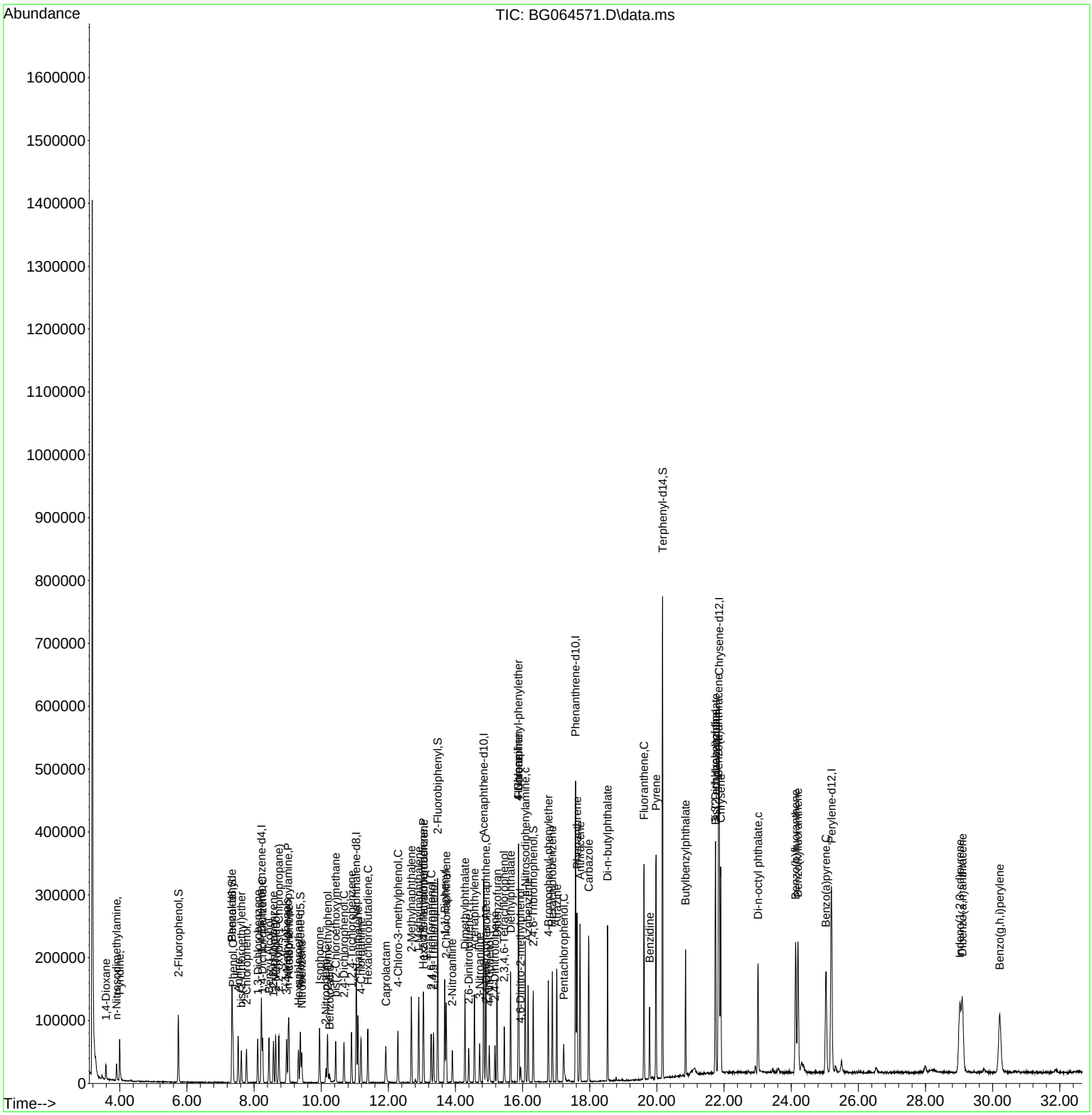
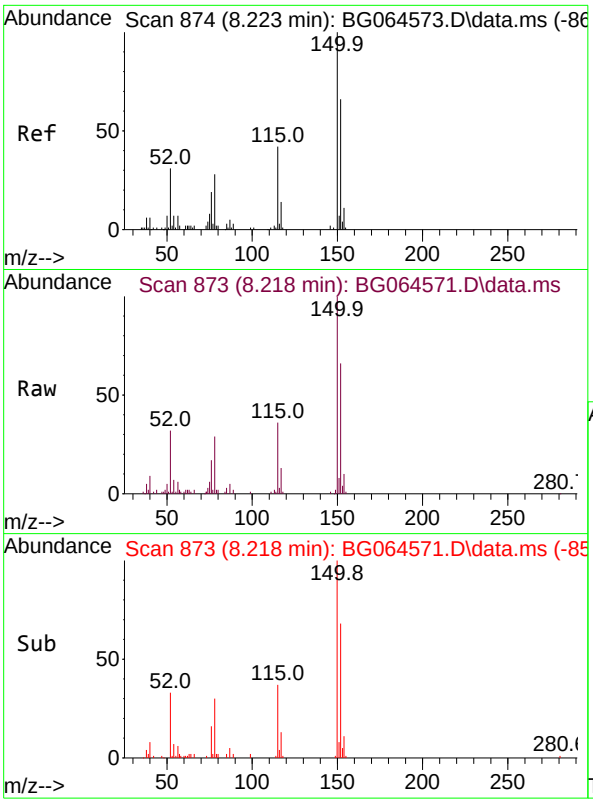
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

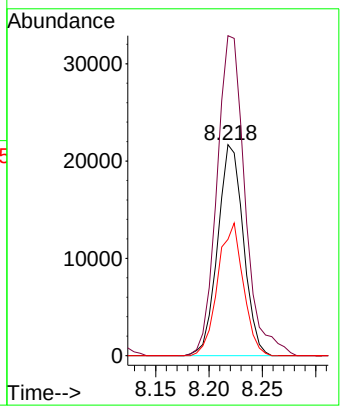




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 3632

Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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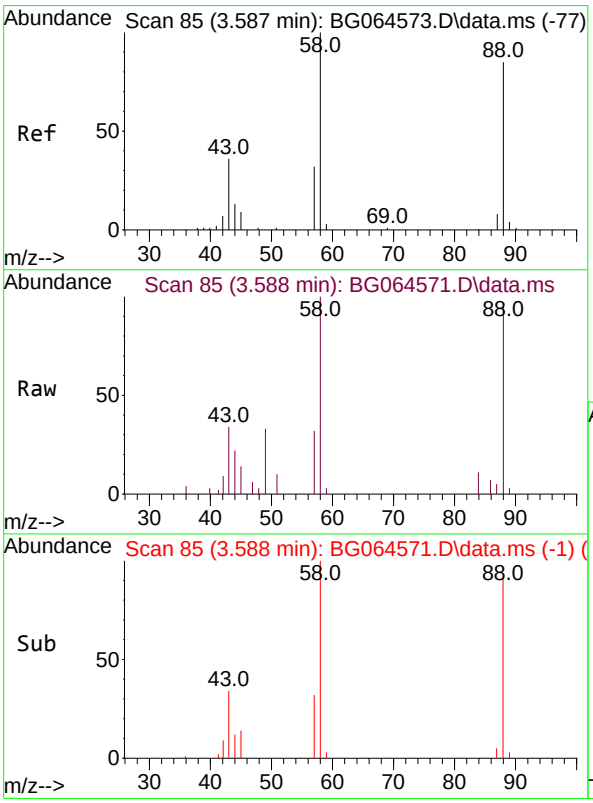
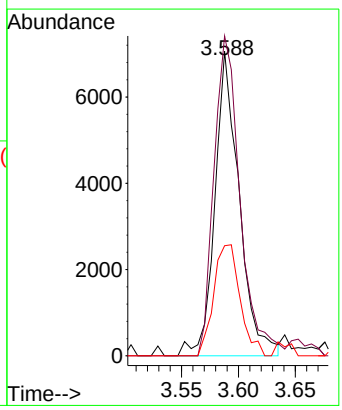
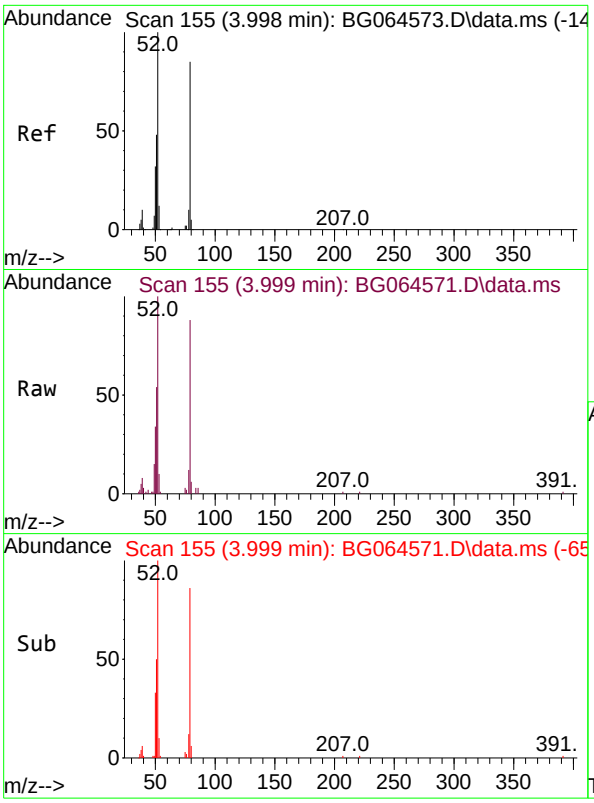


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 88 Resp: 10545

Ion	Ratio	Lower	Upper
88	100		
58	112.0	92.4	138.6
43	39.4	33.0	49.6

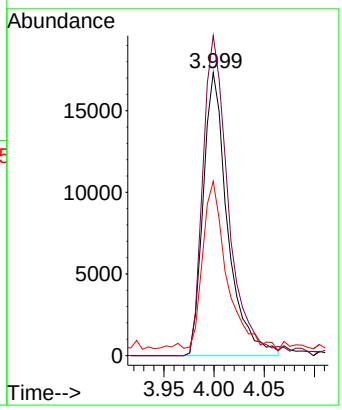




#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2919

Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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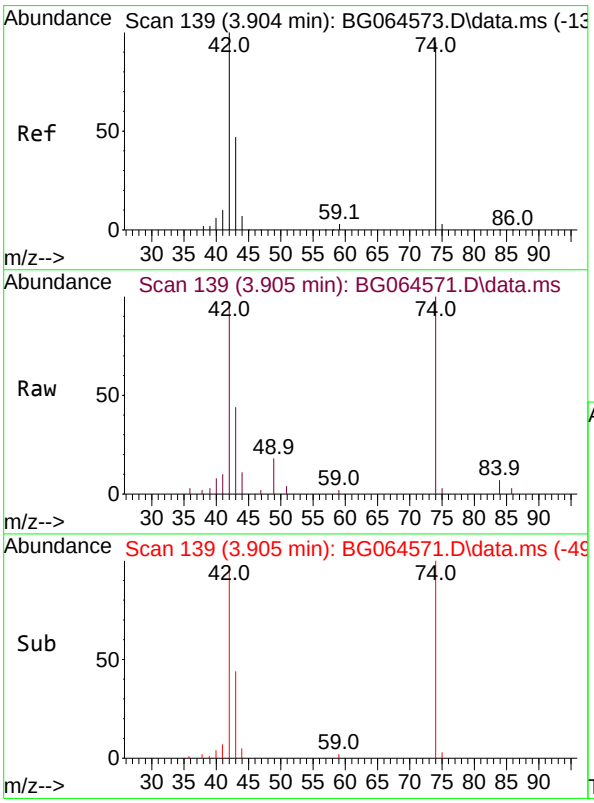
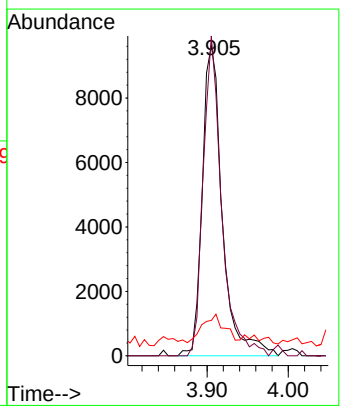
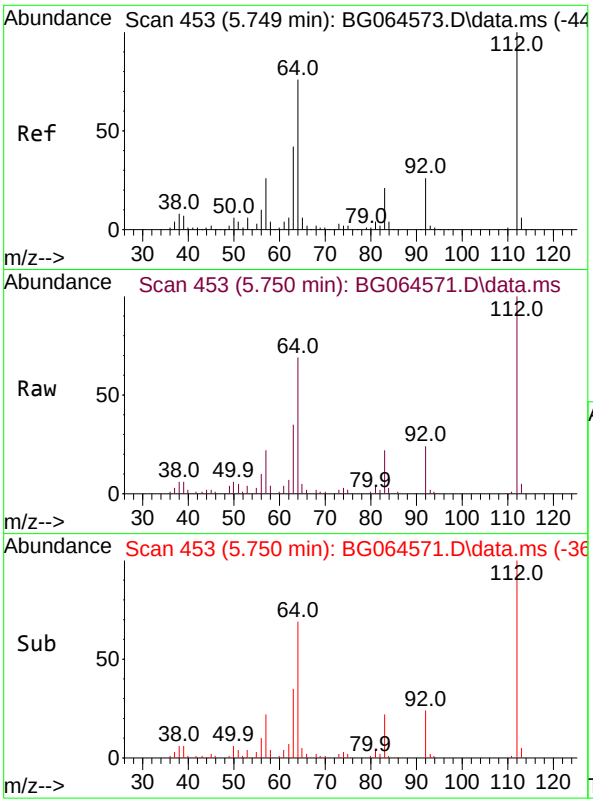


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 42 Resp: 16561

Ion	Ratio	Lower	Upper
42	100		
74	103.1	76.1	114.1
44	11.4	6.3	9.5#

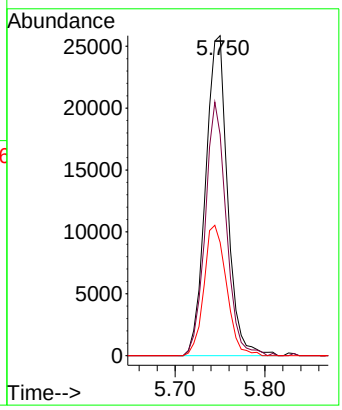




#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:112 Resp: 4383

Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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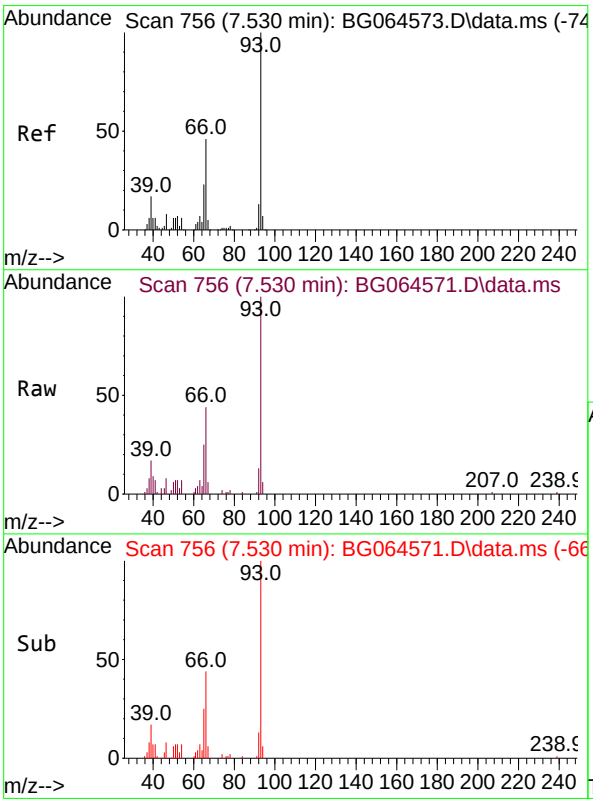
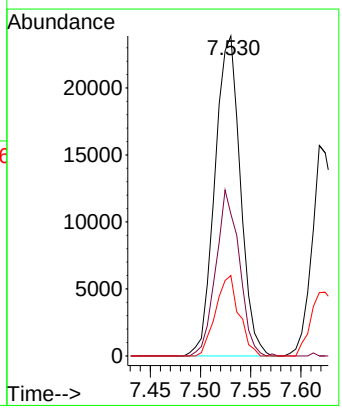
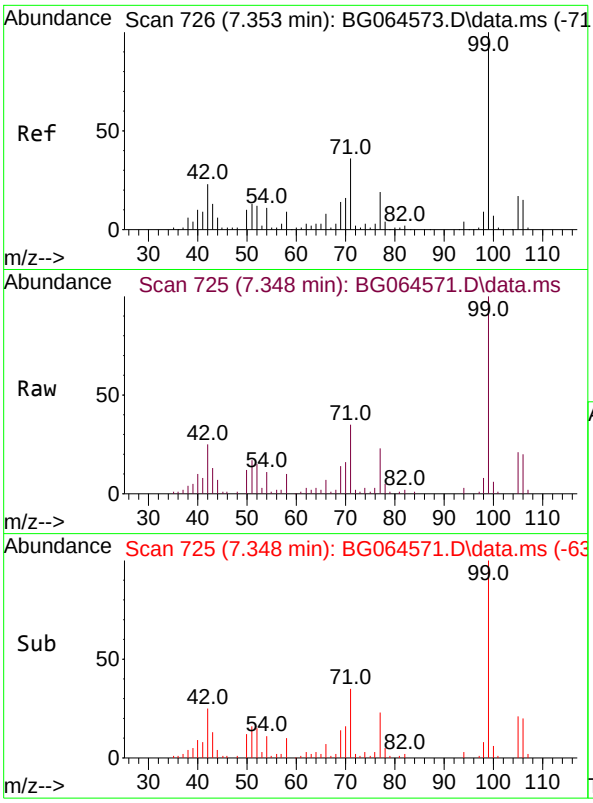


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 42134

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	25.1	18.3	27.5

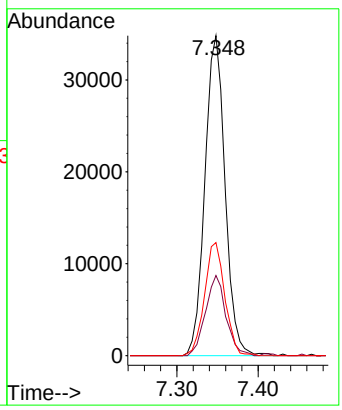




#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 99 Resp: 6008

Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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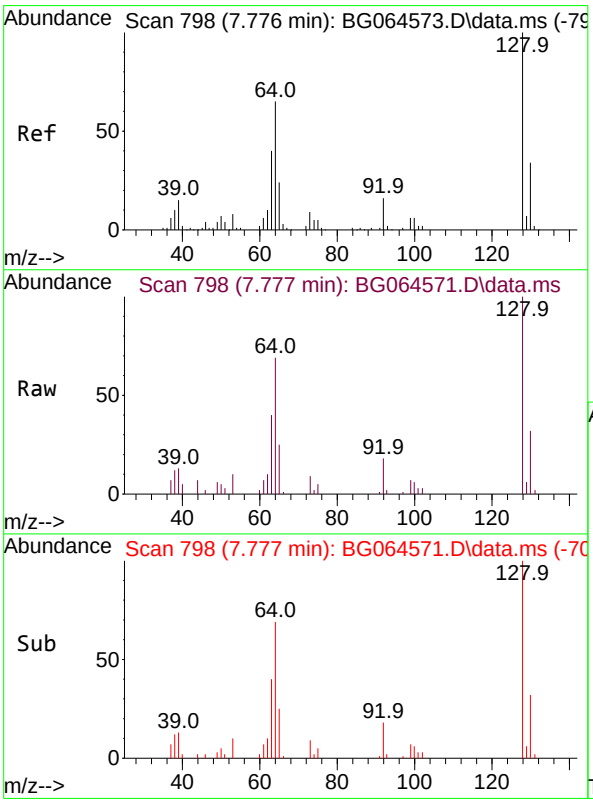
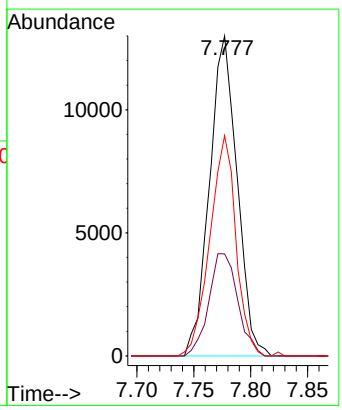
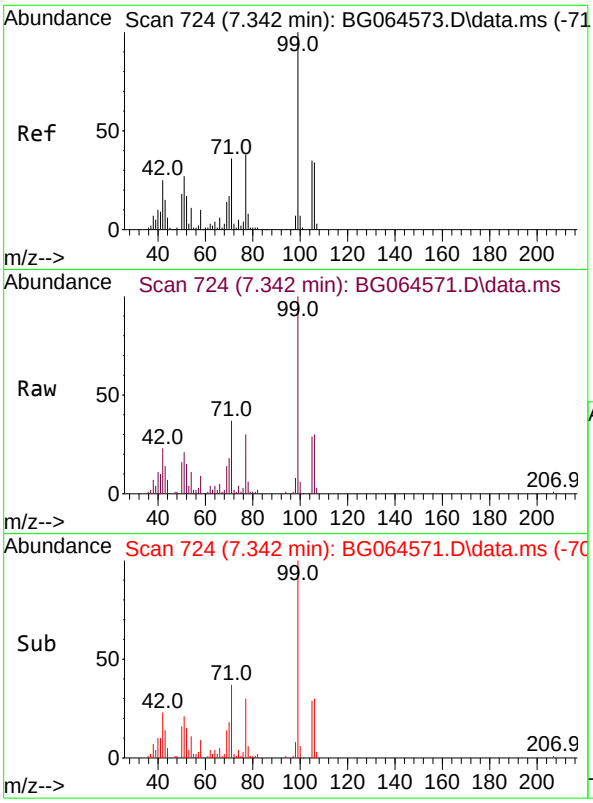


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 21922

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.5	53.5
64	68.8	45.2	85.2

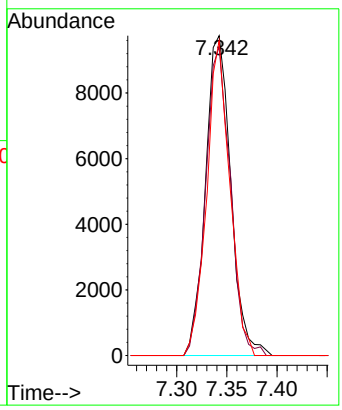




#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 1711

Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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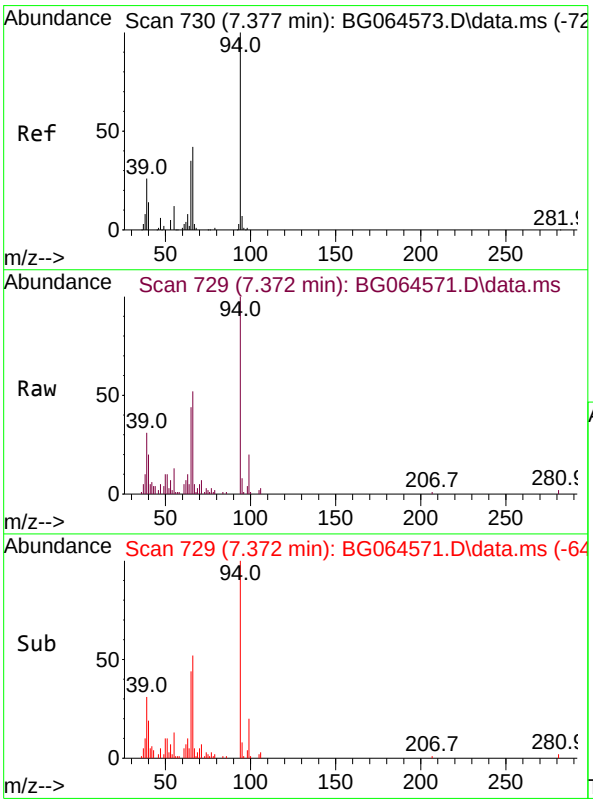
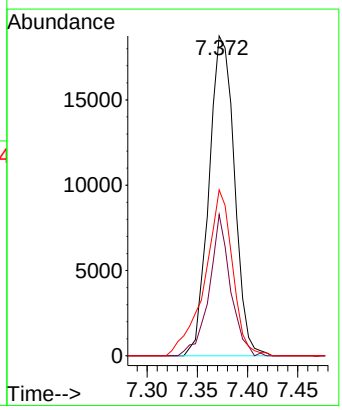
Supervised By :mohammad ahmed 11/05/2025

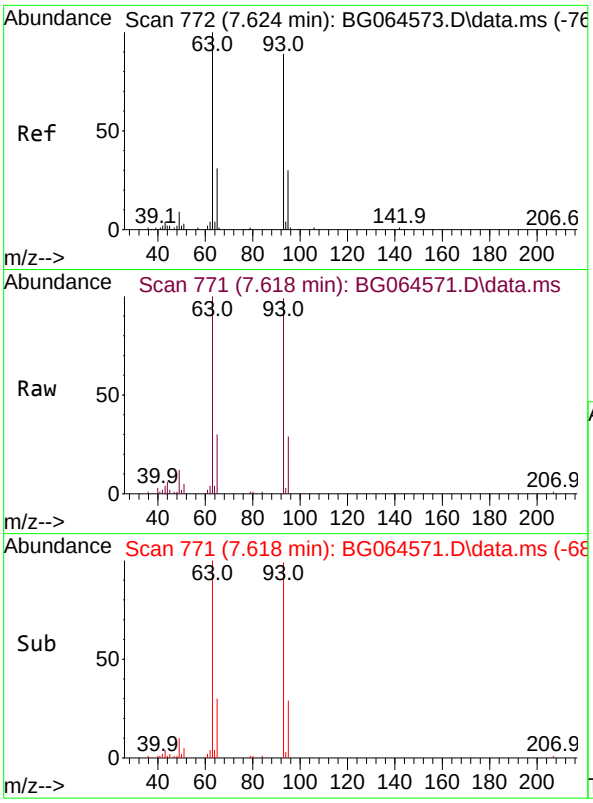


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 94 Resp: 33058

Ion	Ratio	Lower	Upper
94	100		
65	44.2	15.8	55.8
66	51.9	24.0	64.0

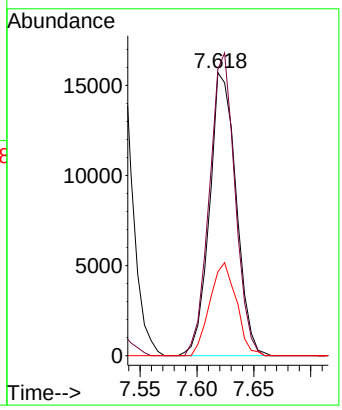




#11
bis(2-Chloroethyl)ether
Concen: 10.600 ng
RT: 7.618 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 2559

Ion	Ratio	Lower	Upper
93	100		
63	101.2	91.3	131.3
95	29.6	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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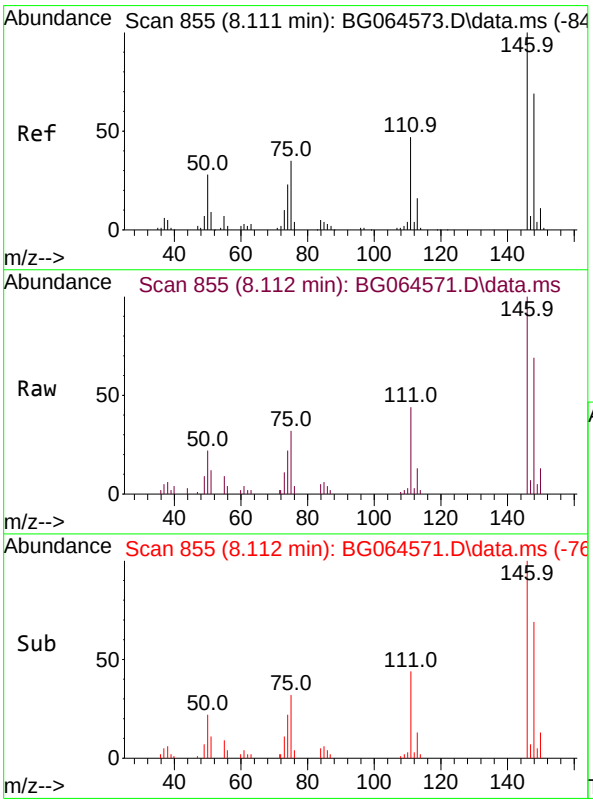
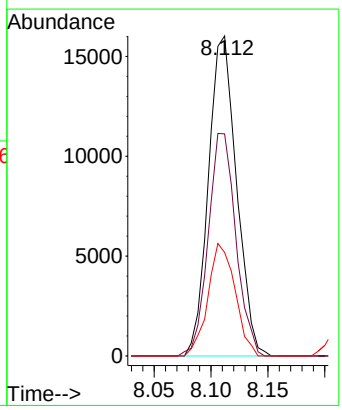
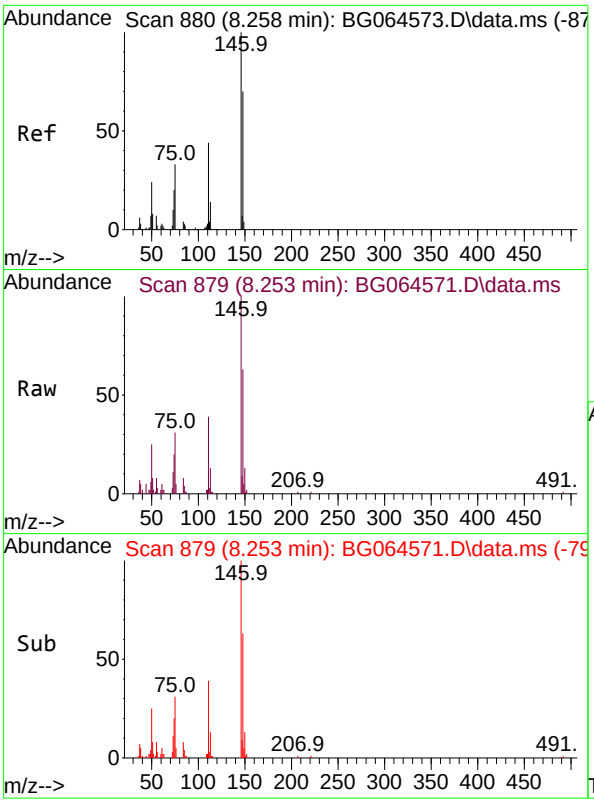


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27537

Ion	Ratio	Lower	Upper
146	100		
148	69.4	55.3	82.9
75	32.3	28.2	42.2

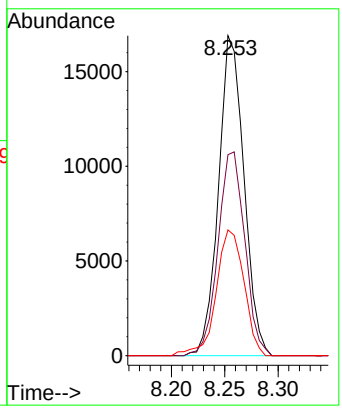




#13
1,4-Dichlorobenzene
Concen: 10.593 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 2808

Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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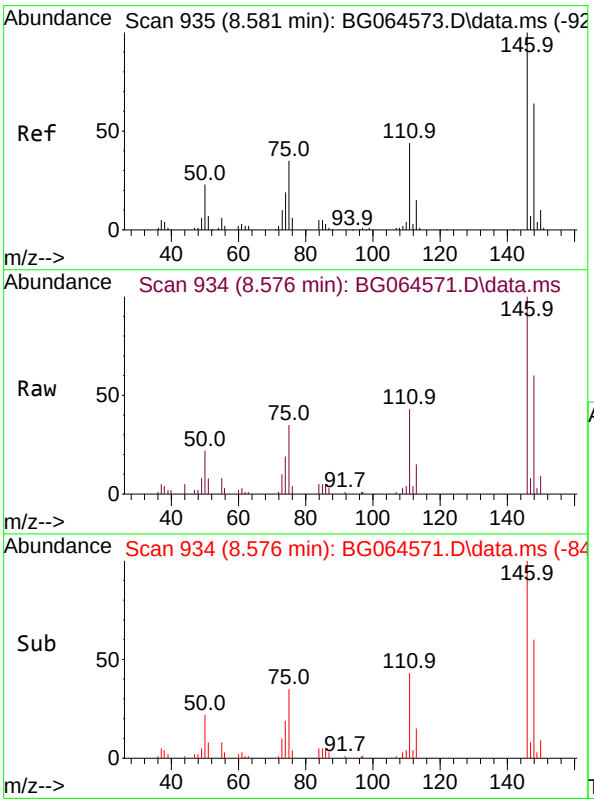
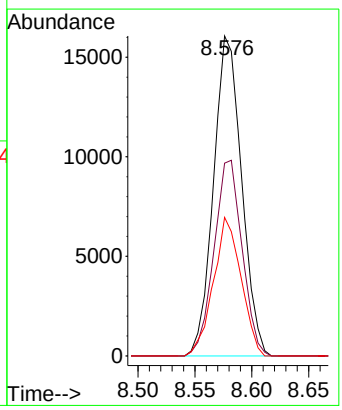
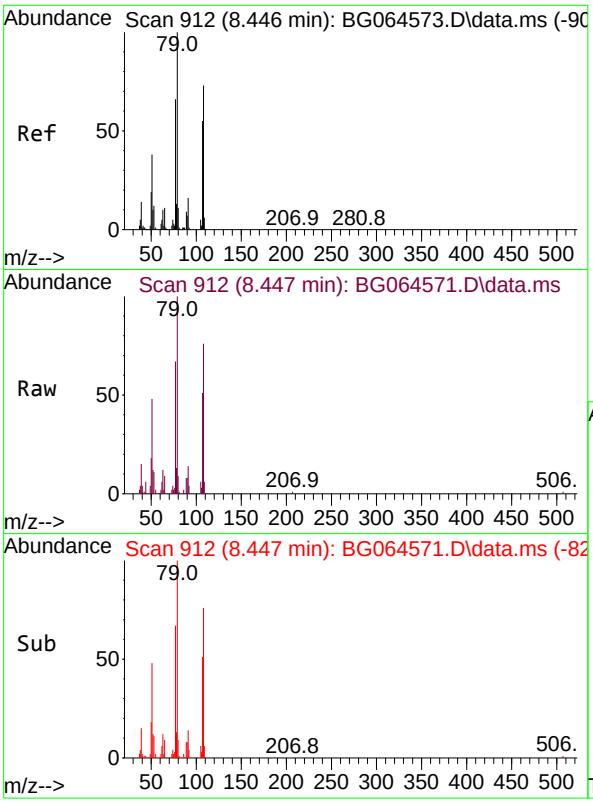


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27577

Ion	Ratio	Lower	Upper
146	100		
148	60.2	51.5	77.3
111	43.3	35.0	52.6





#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2326

Ion	Ratio	Lower	Upper
79	100		
108	76.3	58.1	87.1
77	66.9	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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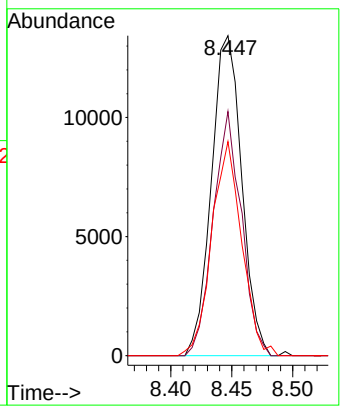
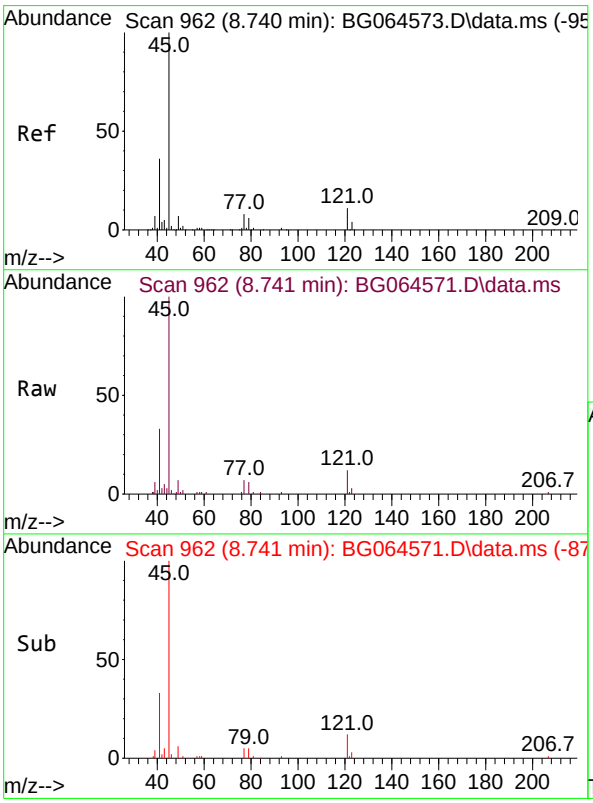
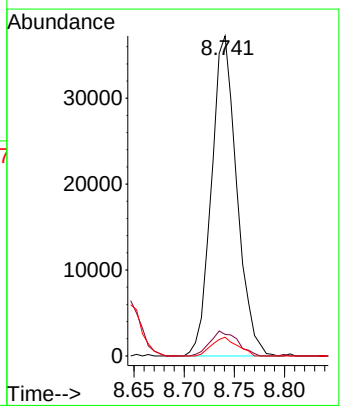


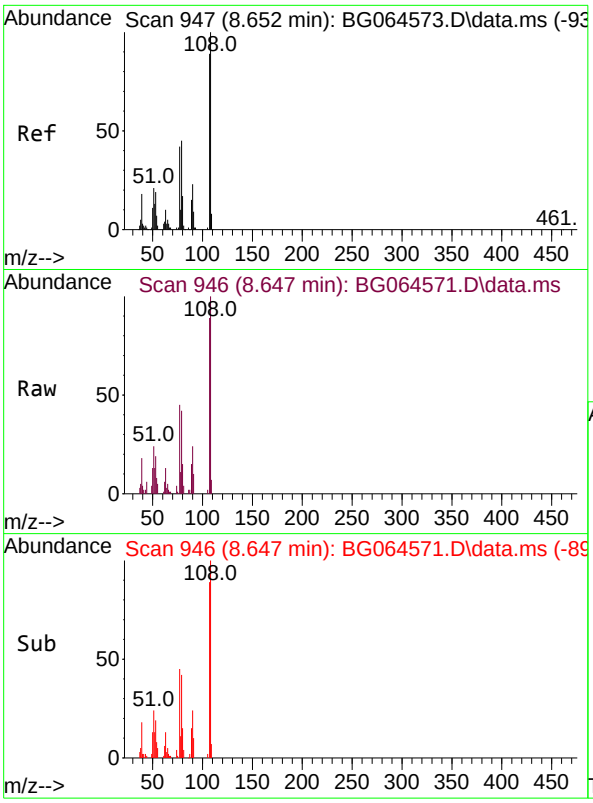


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 45 Resp: 65452

Ion	Ratio	Lower	Upper
45	100		
77	6.7	0.0	28.5
79	5.8	0.0	25.6

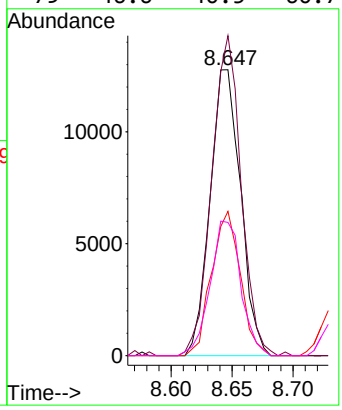




#17
2-Methylphenol
Concen: 10.206 ng
RT: 8.647 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 2225

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.0	135.0
77	50.5	37.8	56.8
79	46.6	40.5	60.7



Instrument :
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ClientSampleId :
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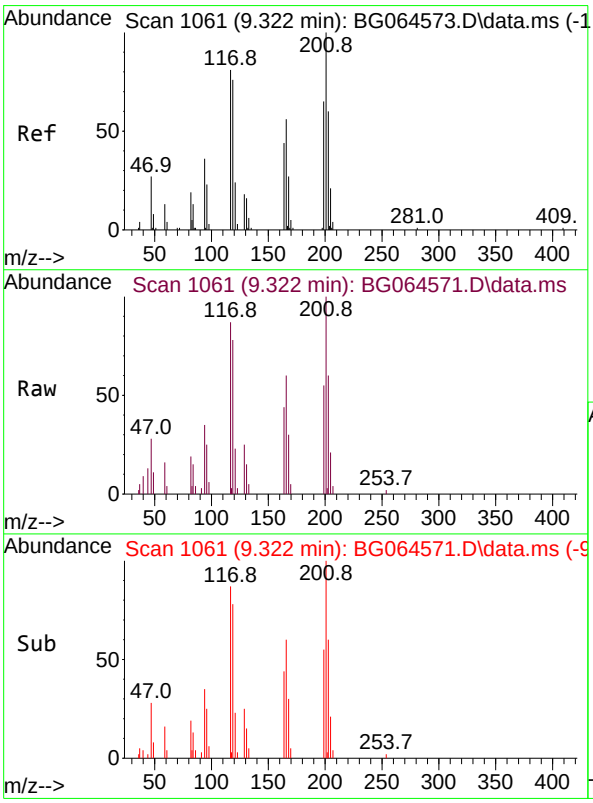
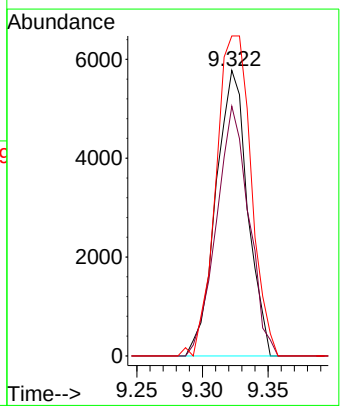
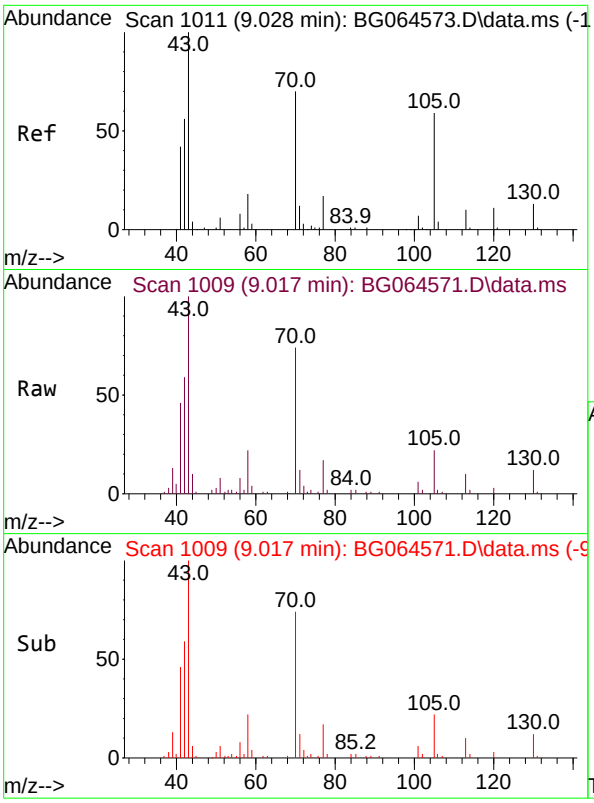


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:117 Resp: 9723

Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.4	113.2
201	115.2	99.2	148.8

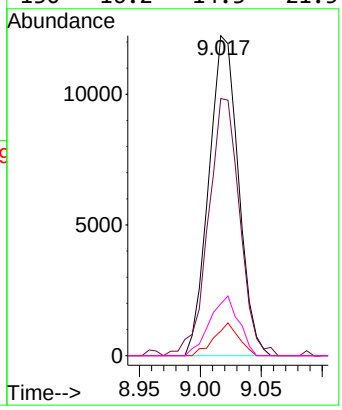




#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 70 Resp: 2072

Ion	Ratio	Lower	Upper
70	100		
42	80.3	65.2	97.8
101	7.6	7.9	11.9#
130	16.2	14.3	21.5



Instrument :
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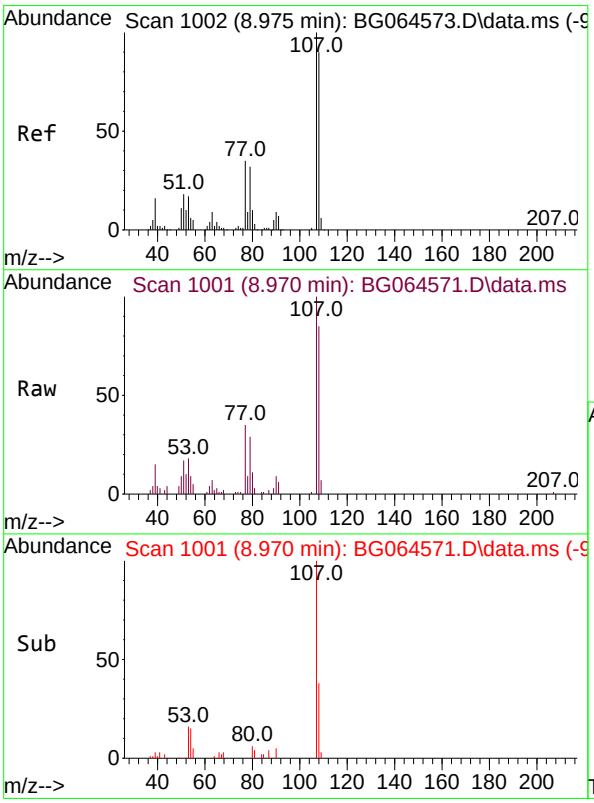
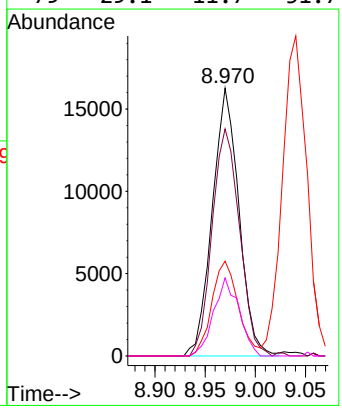
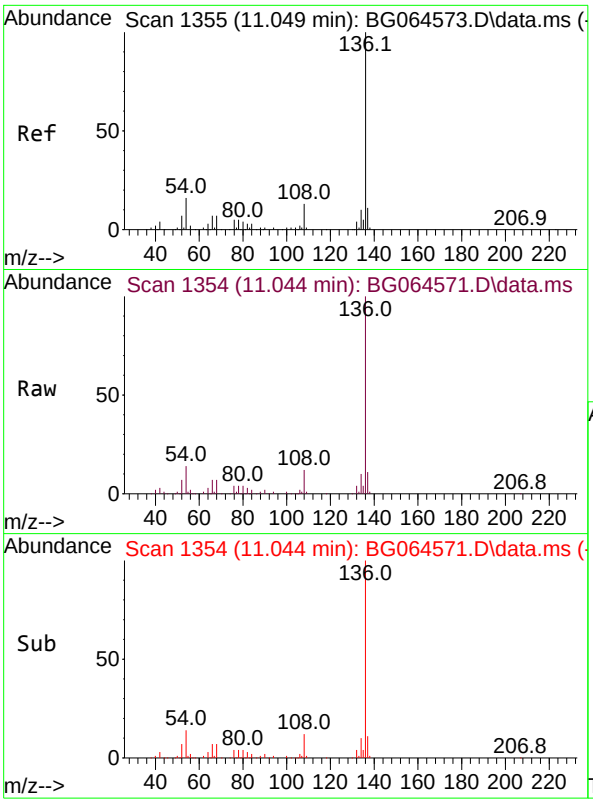


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.3	110.3
77	35.4	14.6	54.6
79	29.1	11.7	51.7

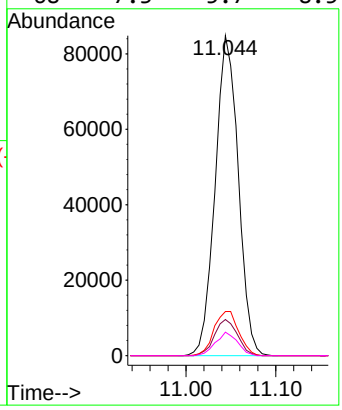




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:136 Resp: 15162

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	13.8	12.6	19.0
68	7.3	5.7	8.5



Instrument :
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ClientSampleId :
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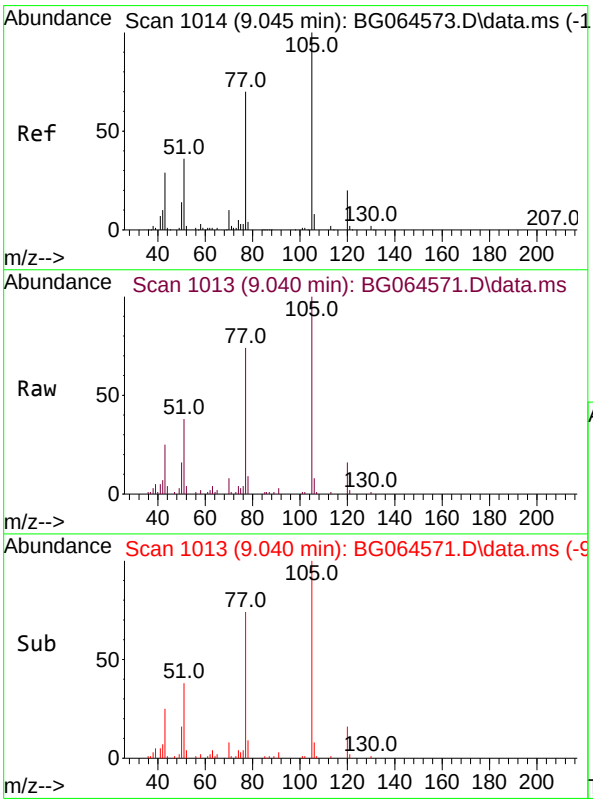
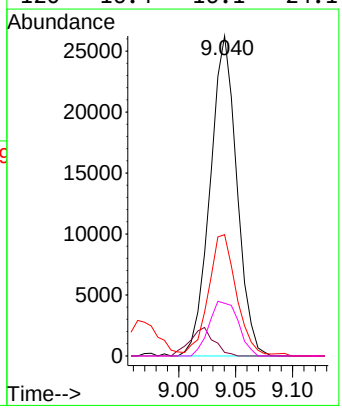
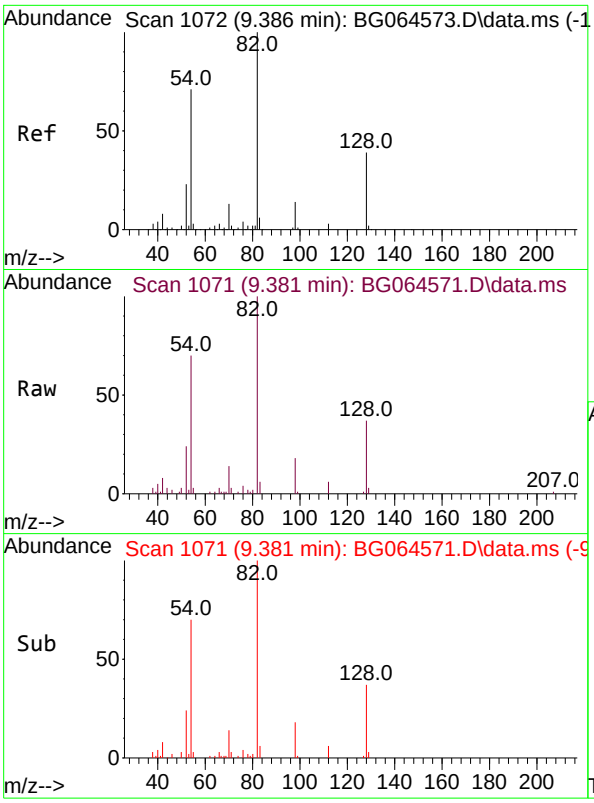


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:105 Resp: 42851

Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.5	2.3#
51	37.9	33.7	50.5
120	16.4	16.1	24.1

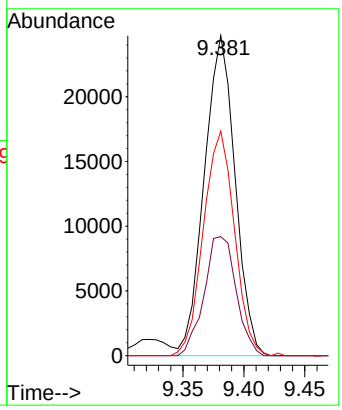




#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 4337

Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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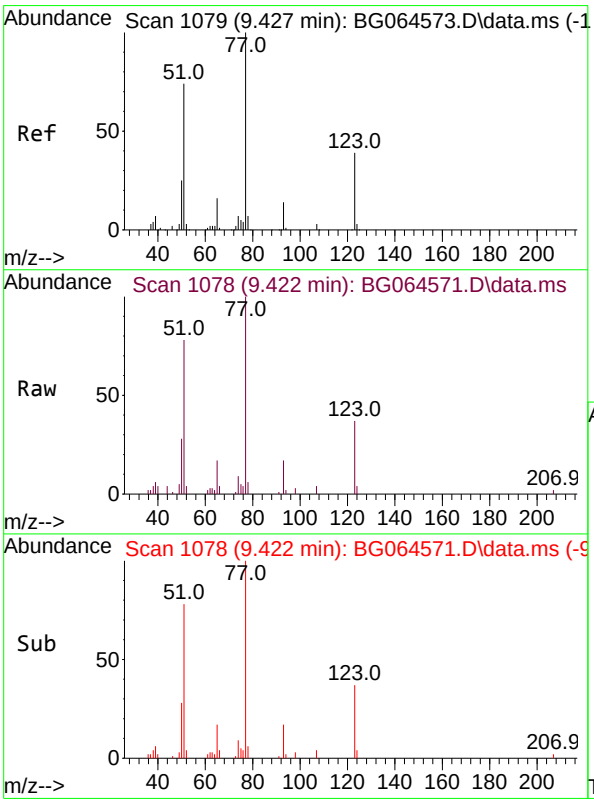
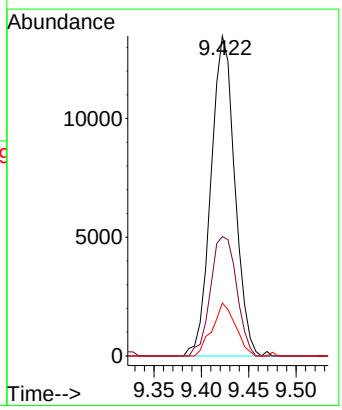
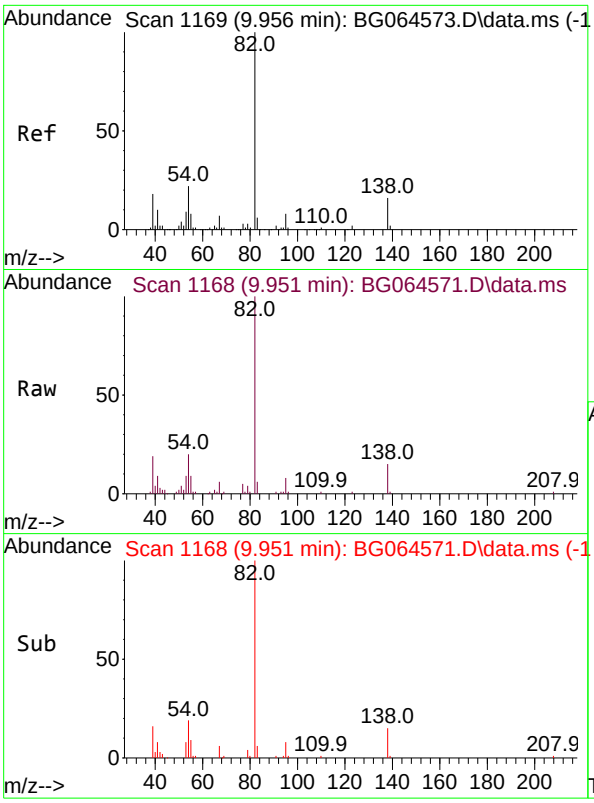


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 23618

Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.0	46.6
65	16.5	12.7	19.1

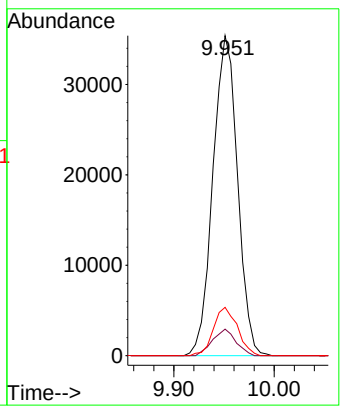




#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 6034

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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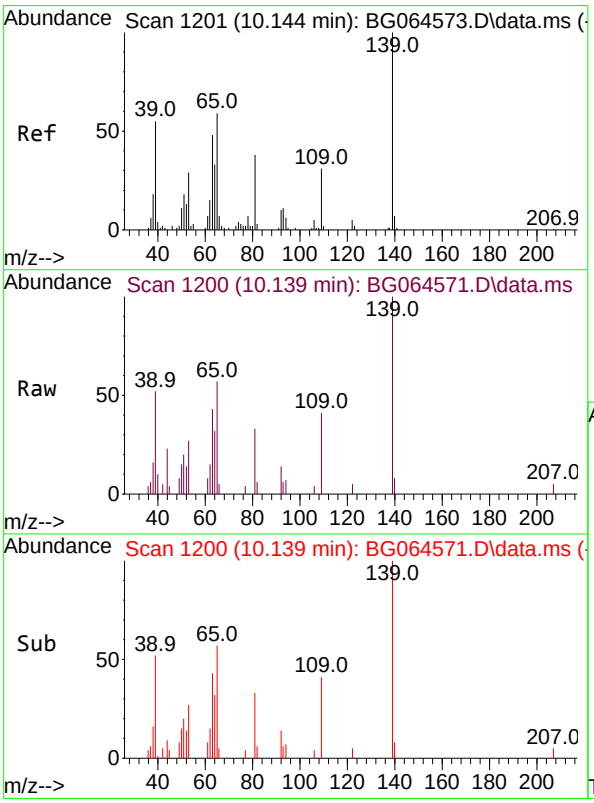
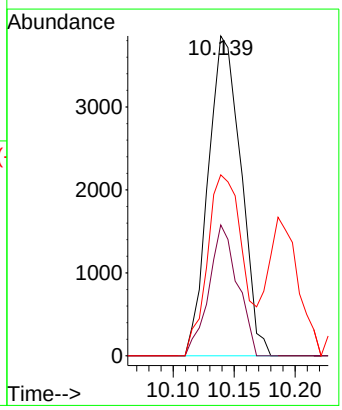
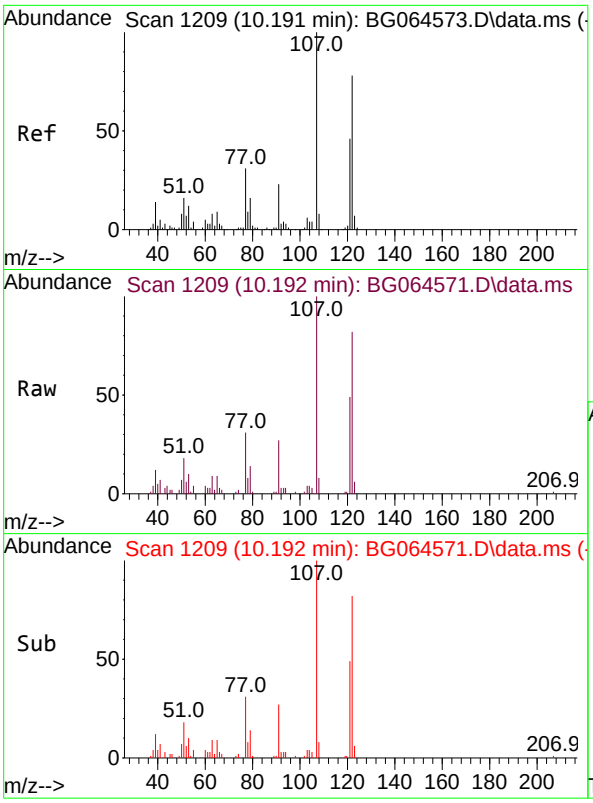


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 7208

Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0#
65	56.6	47.5	71.3

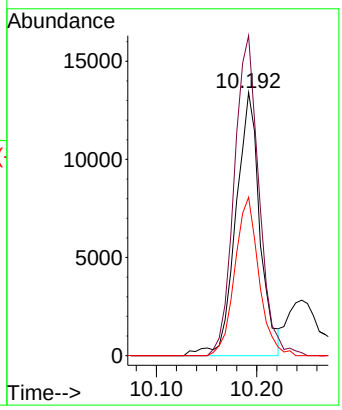




#27
2,4-Dimethylphenol
Concen: 9.879 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 2225

Ion	Ratio	Lower	Upper
122	100		
107	121.6	103.0	154.4
121	60.2	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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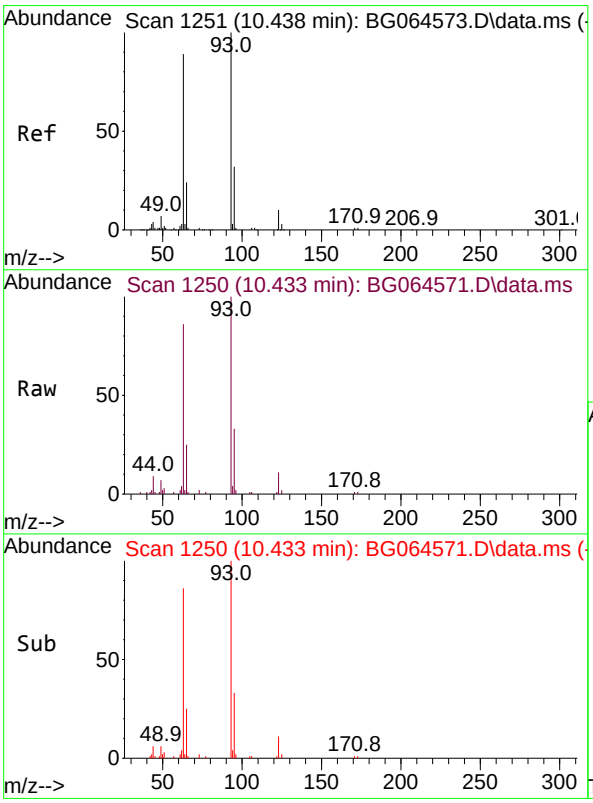
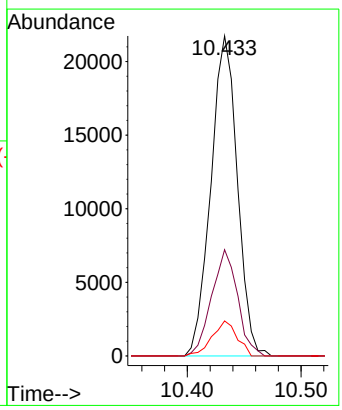
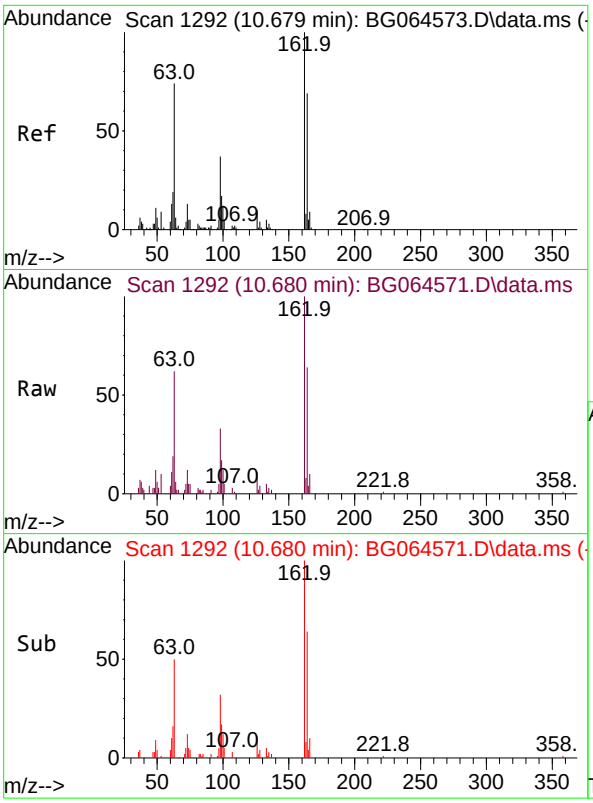


#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 35170

Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.4	38.2
123	11.0	8.4	12.6

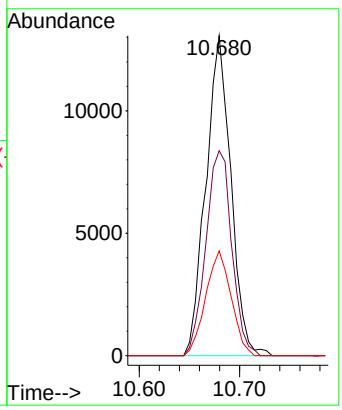




#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 2264

Ion	Ratio	Lower	Upper
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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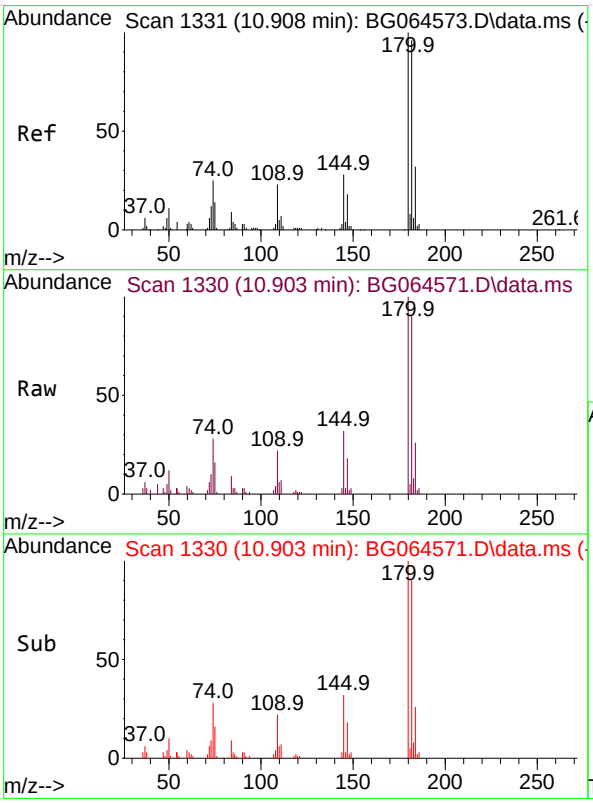
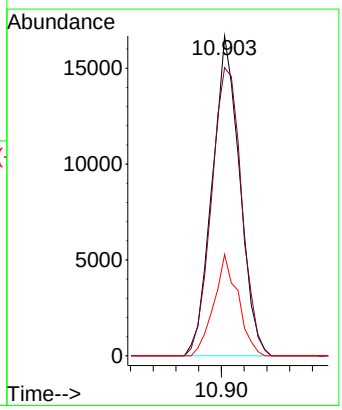
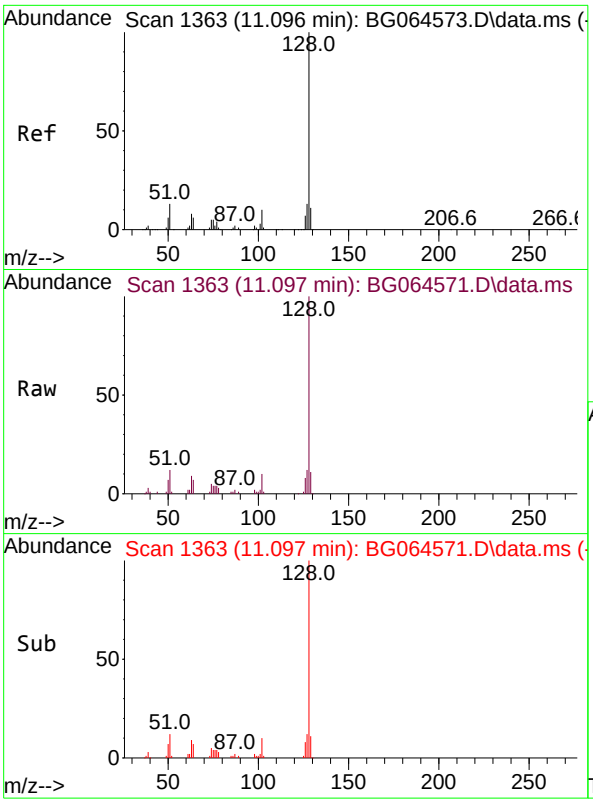


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:180 Resp: 27947

Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.9	115.3
145	31.7	22.1	33.1

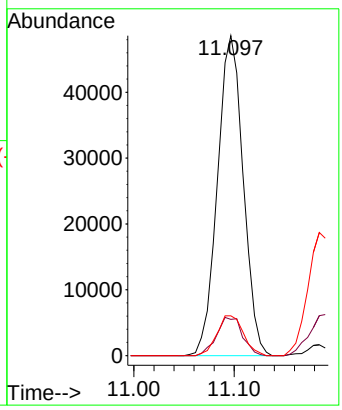




#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 8675

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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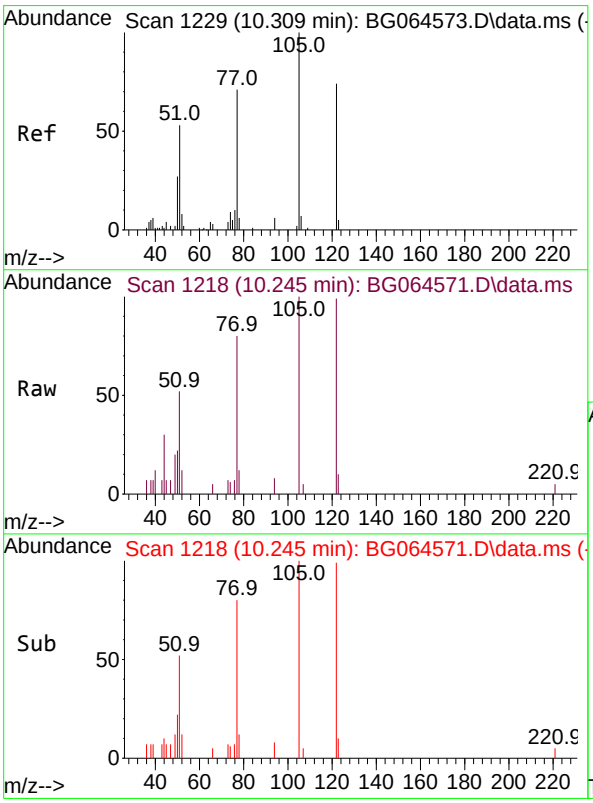
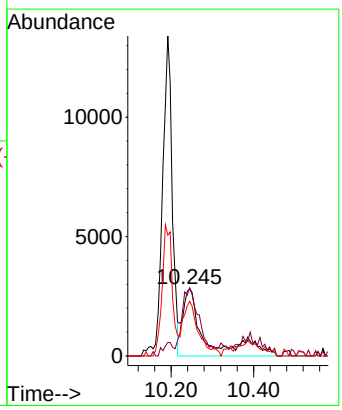
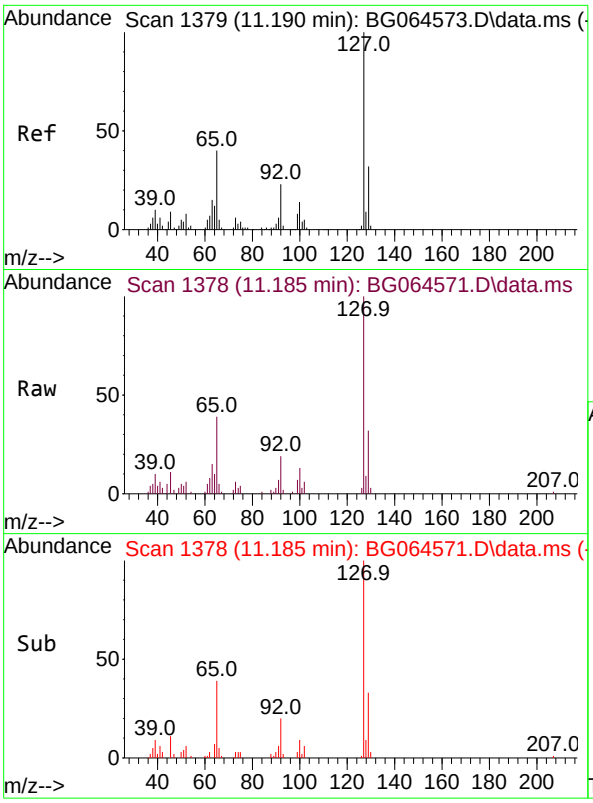


#32
Benzoic acid
Concen: 10.637 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.064 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 10748

Ion	Ratio	Lower	Upper
122	100		
105	100.8	104.2	144.2#
77	80.6	70.2	110.2

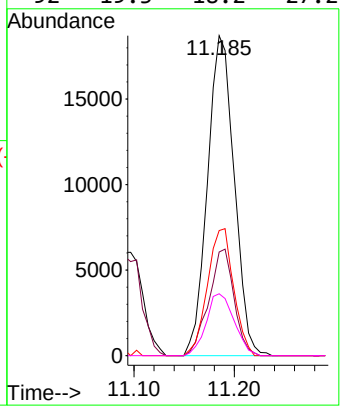




#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:127 Resp: 3458

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	39.1	32.2	48.4
92	19.3	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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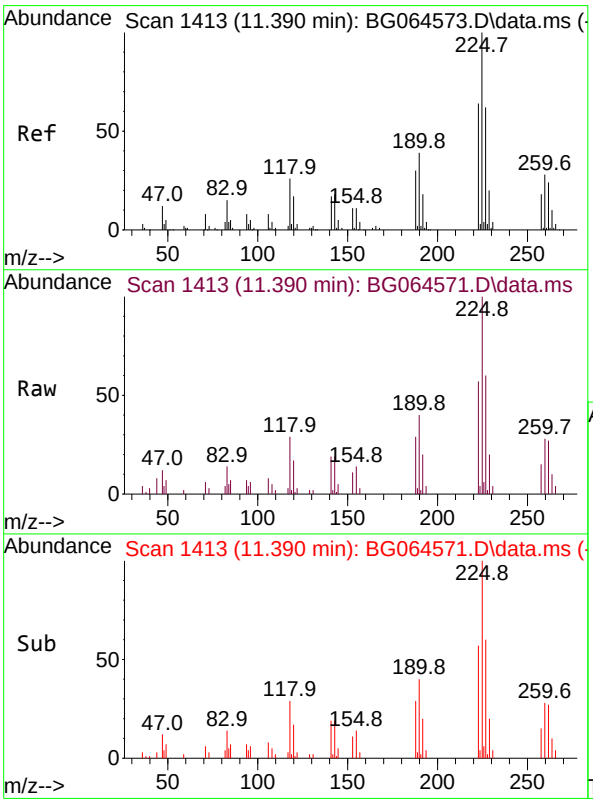
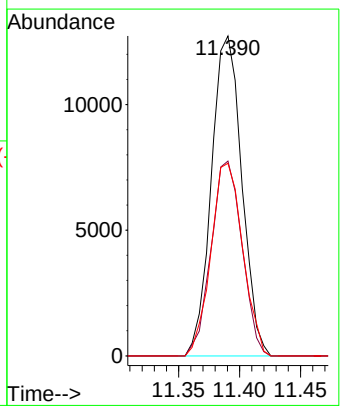
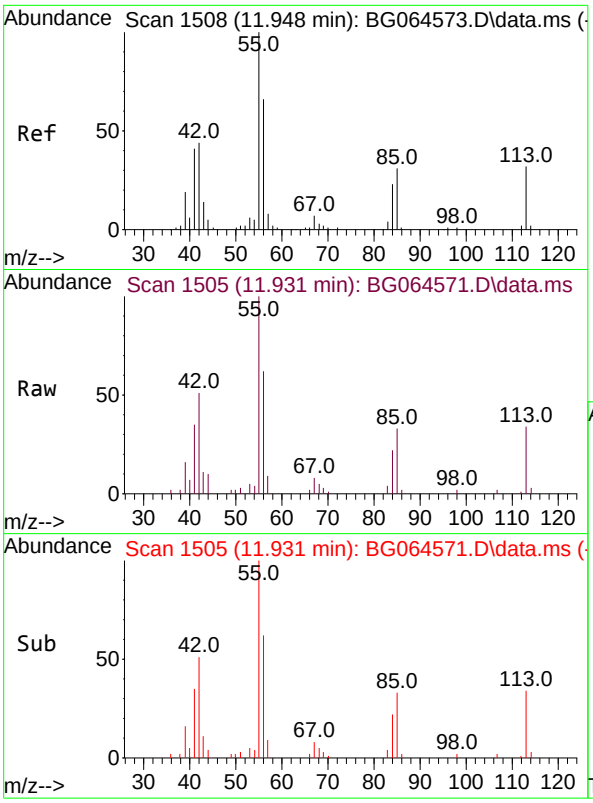


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:225 Resp: 22099

Ion	Ratio	Lower	Upper
225	100		
223	57.6	48.8	73.2
227	57.0	49.5	74.3

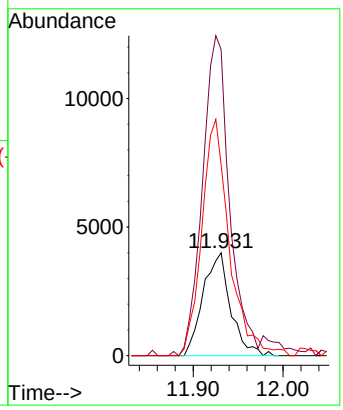




#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:113 Resp: 852

Ion	Ratio	Lower	Upper
113	100		
55	297.7	290.1	330.1
56	185.5	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
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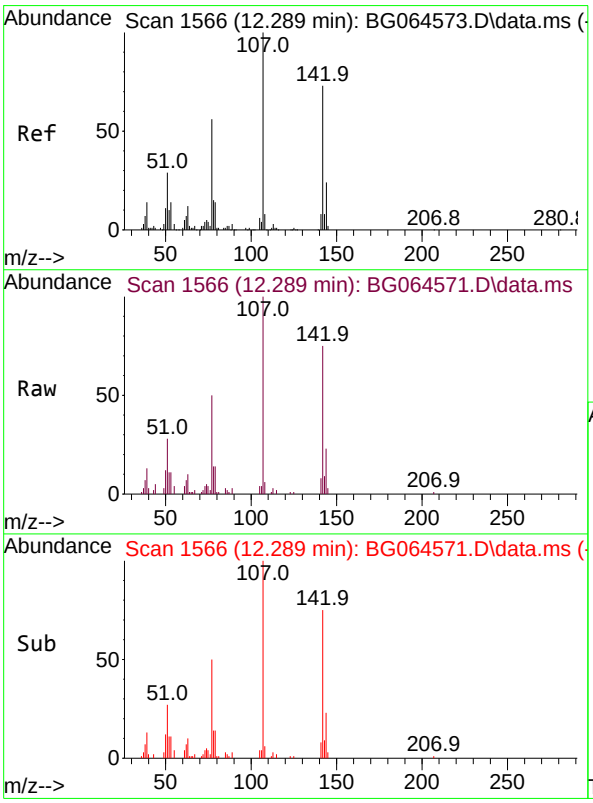
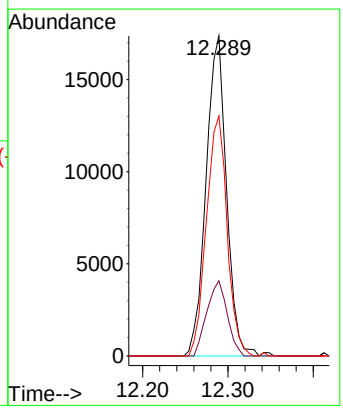
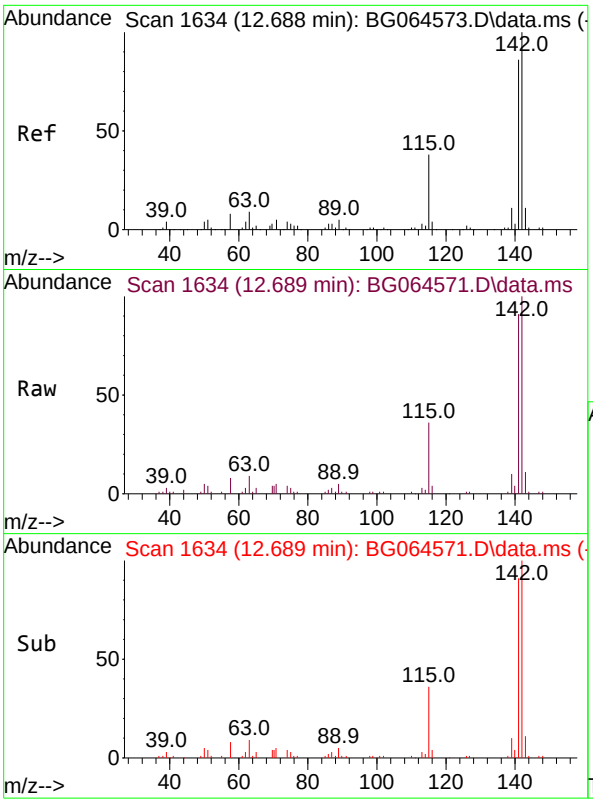


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 28904

Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.1	28.7
142	74.9	58.6	87.8

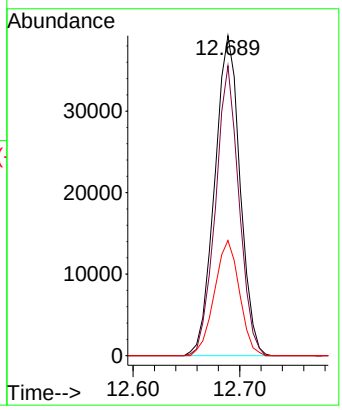




#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 6507

Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.9	103.3
115	36.0	30.6	46.0



Instrument :
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ClientSampleId :
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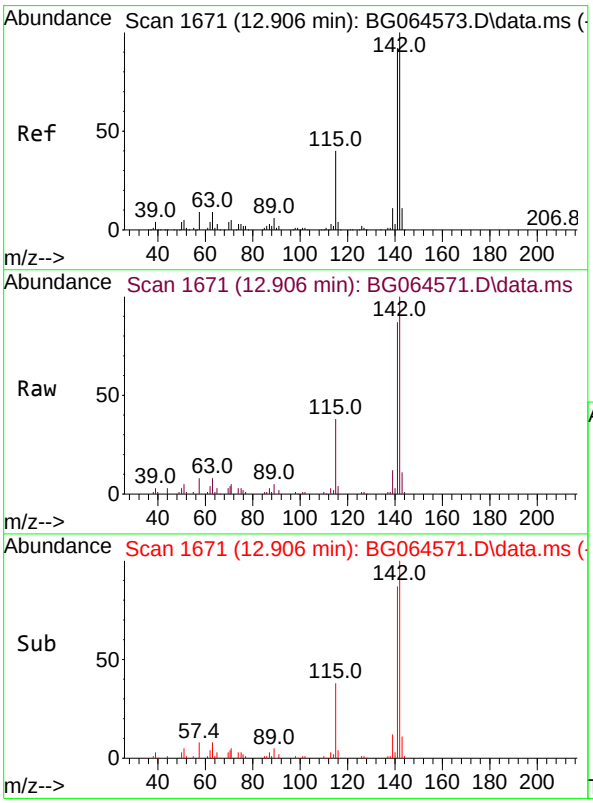
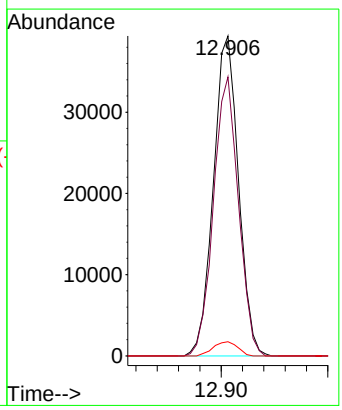
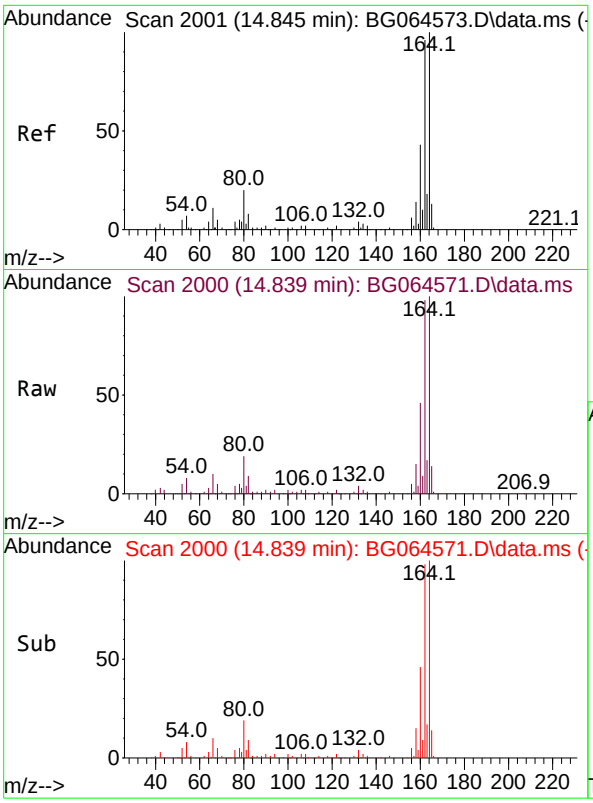


#38
1-Methylnaphthalene
Concen: 10.540 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 64384

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.3	109.9
116	4.4	3.1	4.7

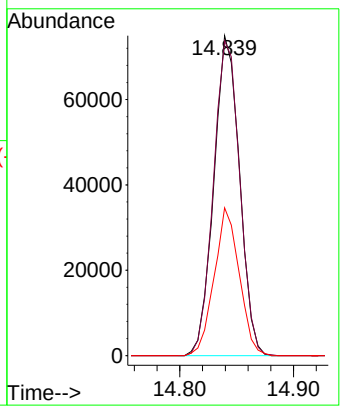




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:164 Resp: 11761

Ion	Ratio	Lower	Upper
164	100		
162	98.4	77.0	115.6
160	46.2	34.4	51.6



Instrument :
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ClientSampleId :
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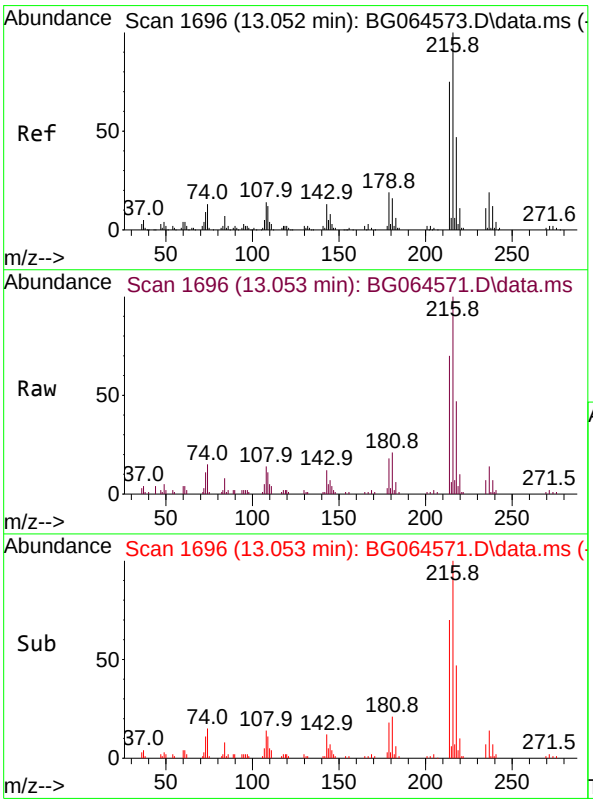
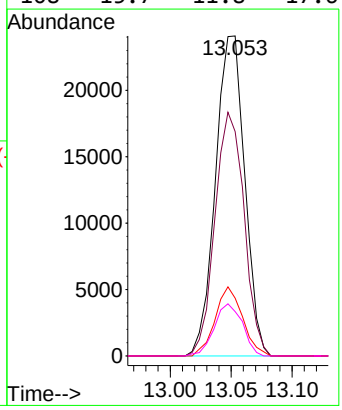
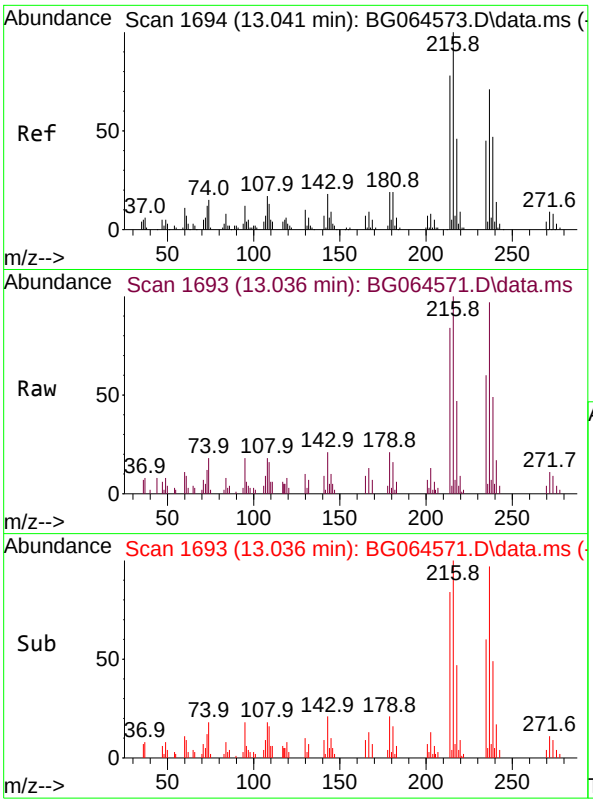


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.4	92.2
179	20.2	15.4	23.0
108	15.7	11.8	17.6

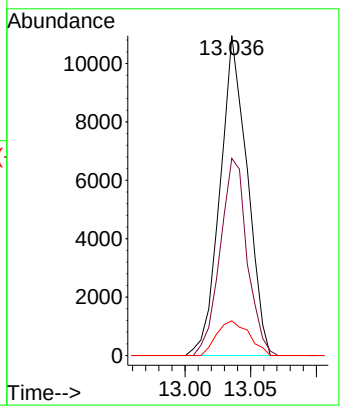




#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:237 Resp: 1573

Ion	Ratio	Lower	Upper
237	100		
235	61.6	44.1	84.1
272	10.9	0.0	32.4



Instrument :
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ClientSampleId :
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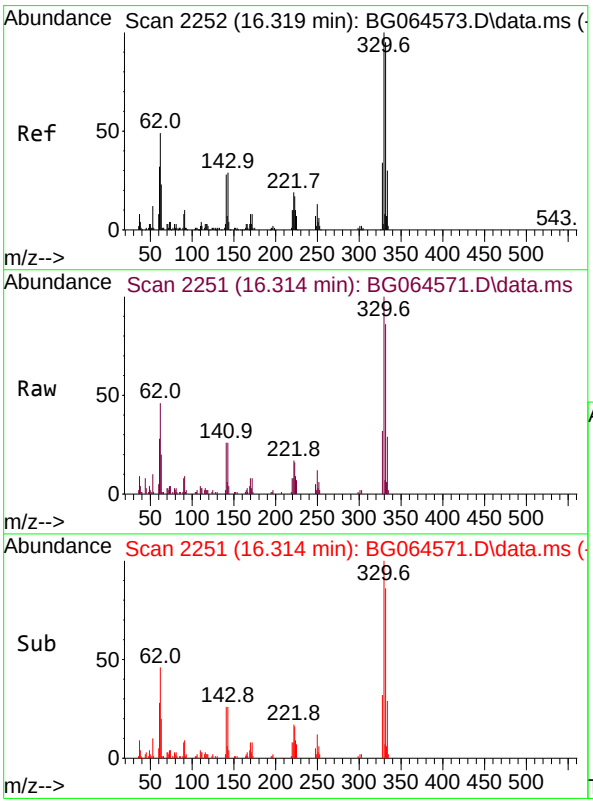
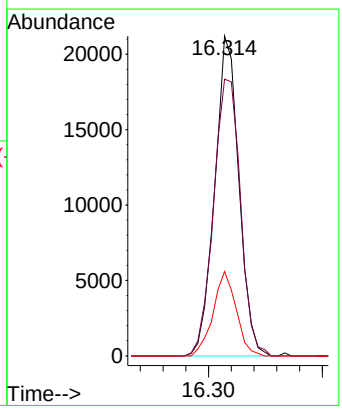
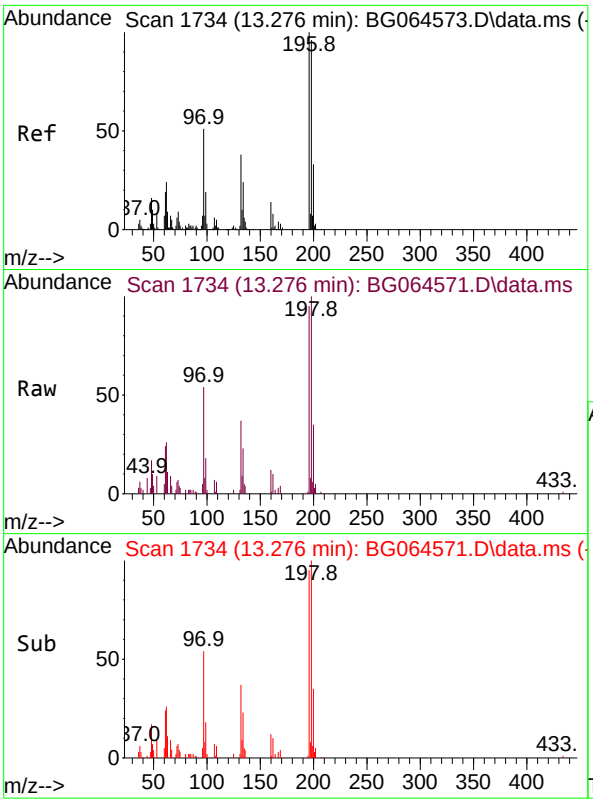


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:330 Resp: 31236

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	25.2	21.8	32.6

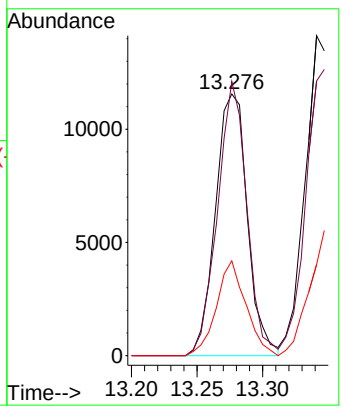




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 1958

Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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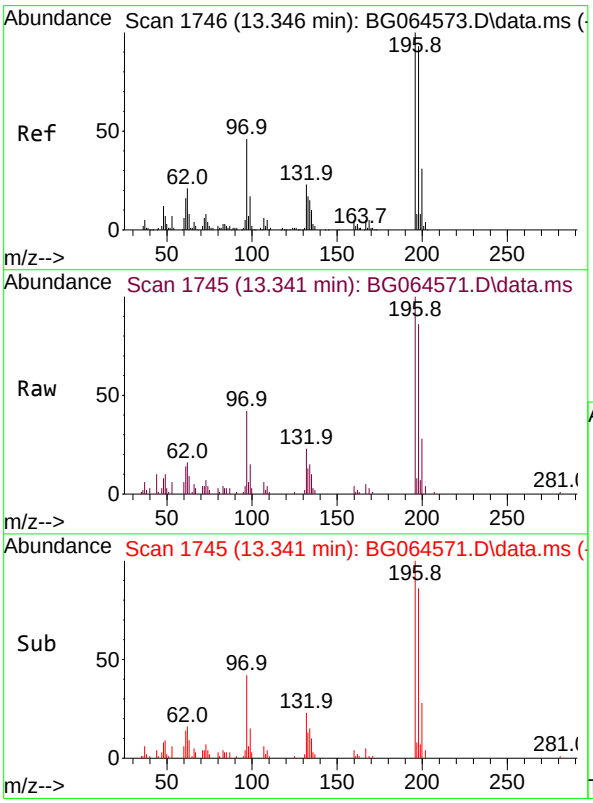
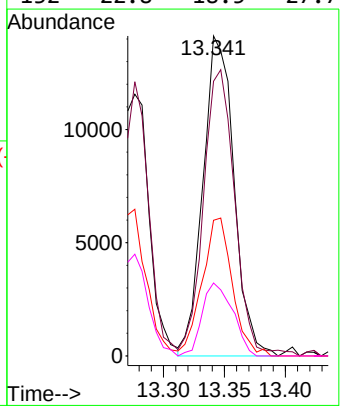
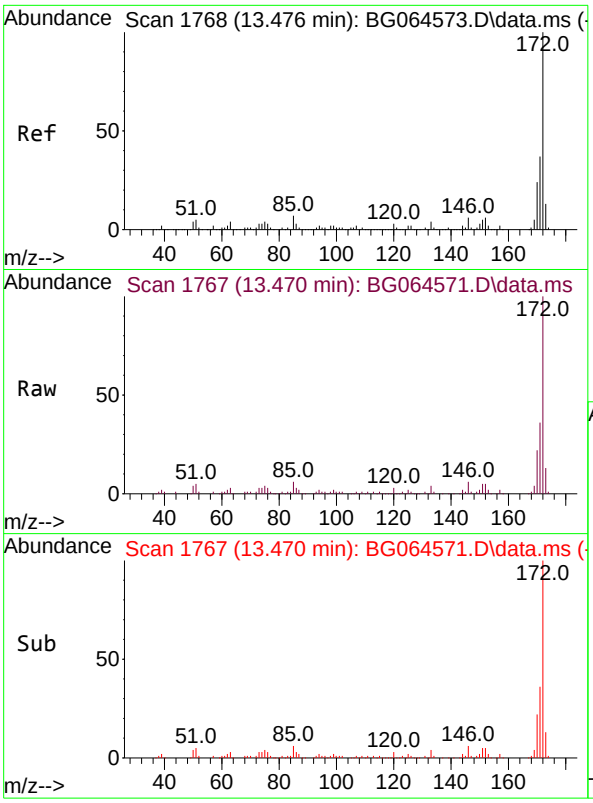


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 24973

Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7

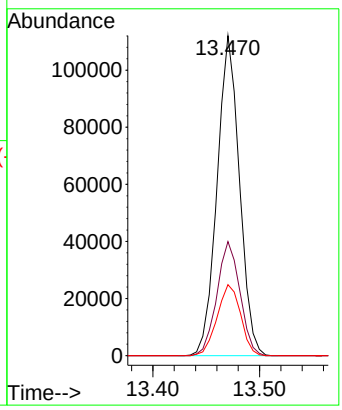




#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:172 Resp: 16334

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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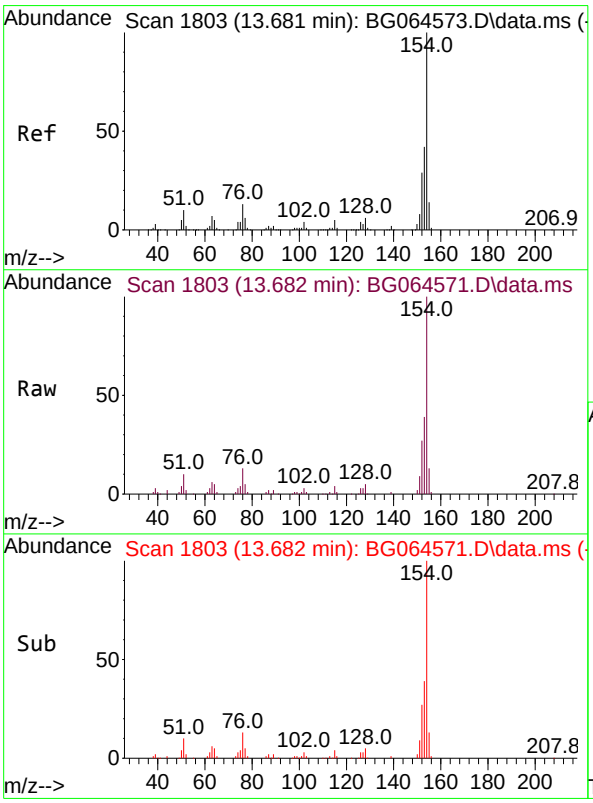
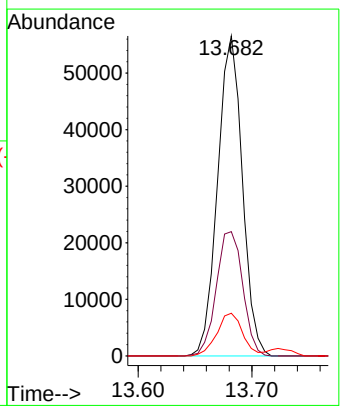
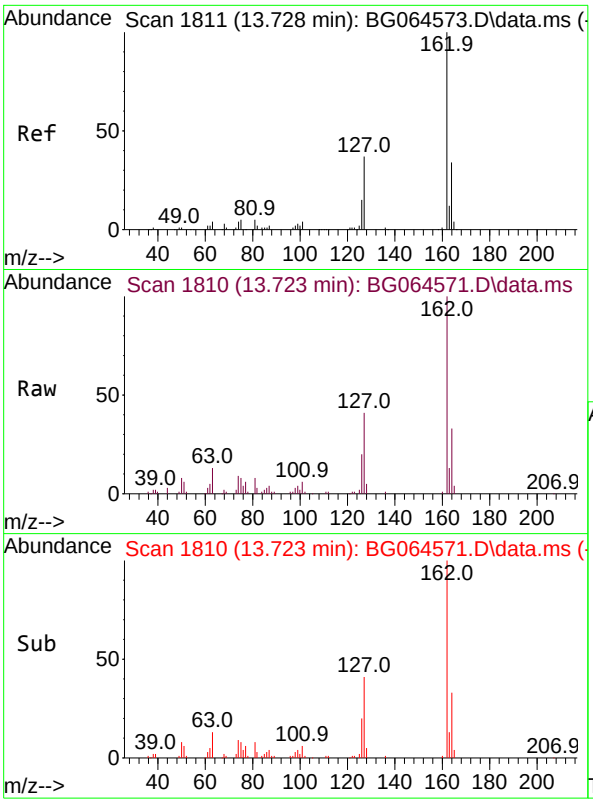


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 85287

Ion	Ratio	Lower	Upper
154	100		
153	38.8	22.4	62.4
76	13.3	0.0	33.5

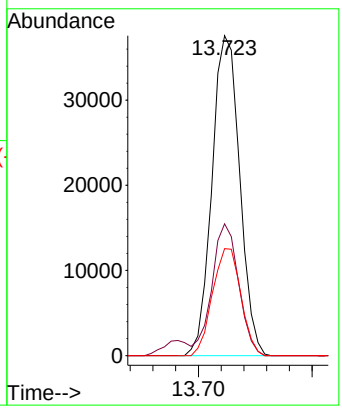




#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 18
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 6363

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
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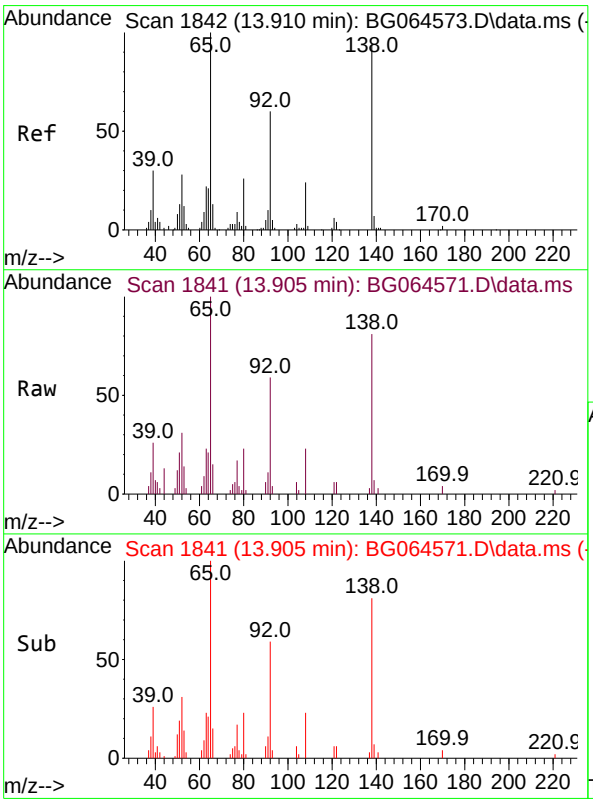
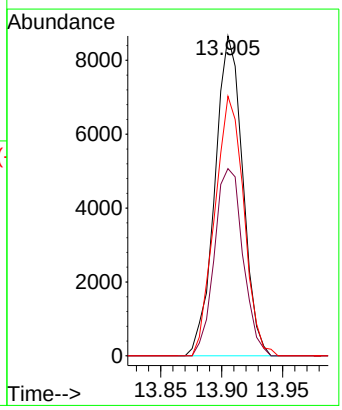
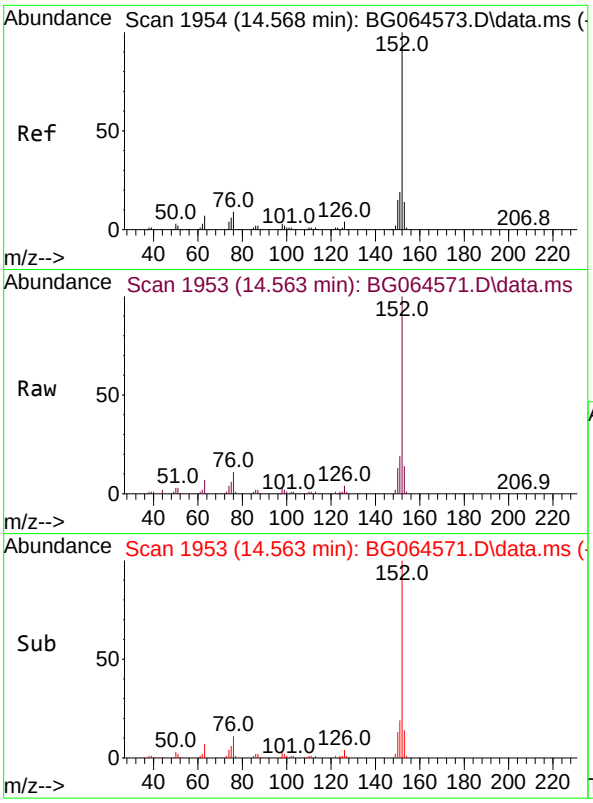


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 65 Resp: 13764

Ion	Ratio	Lower	Upper
65	100		
92	58.5	48.3	72.5
138	81.1	74.9	112.3

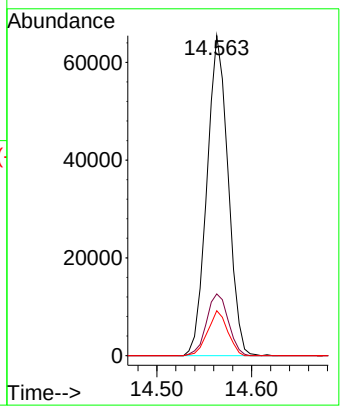




#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 10152

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
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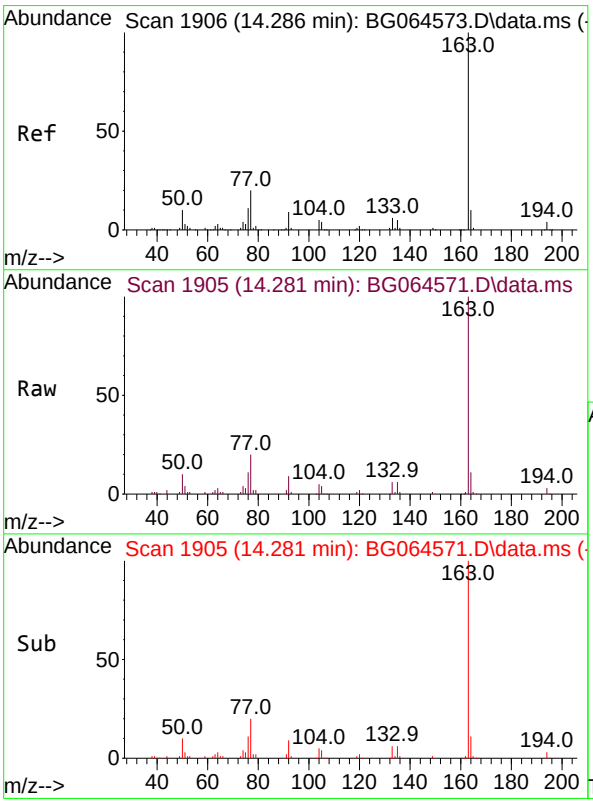
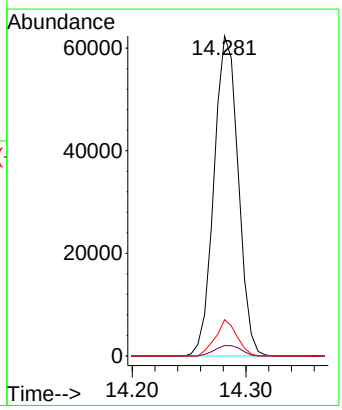
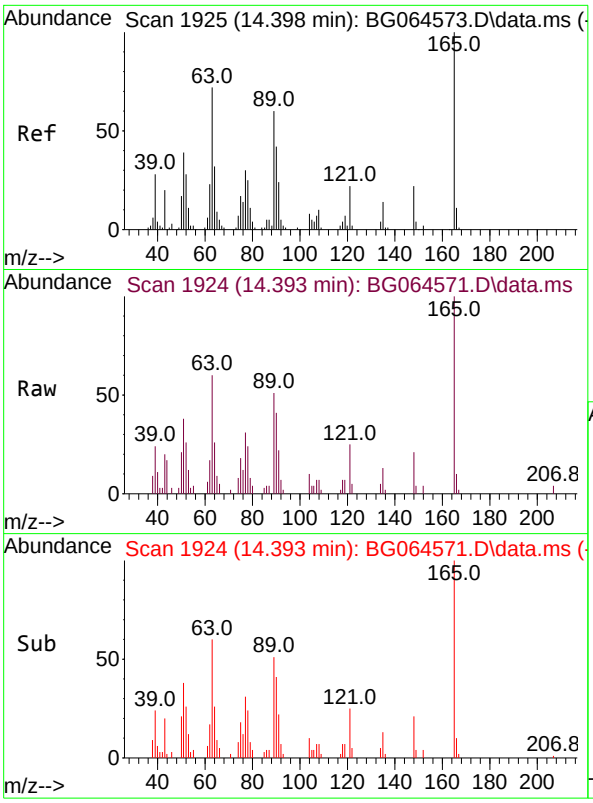


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:163 Resp: 92308

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	11.3	7.7	11.5

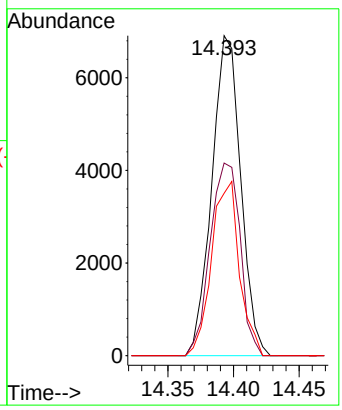




#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 10601

Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.4	86.0
89	50.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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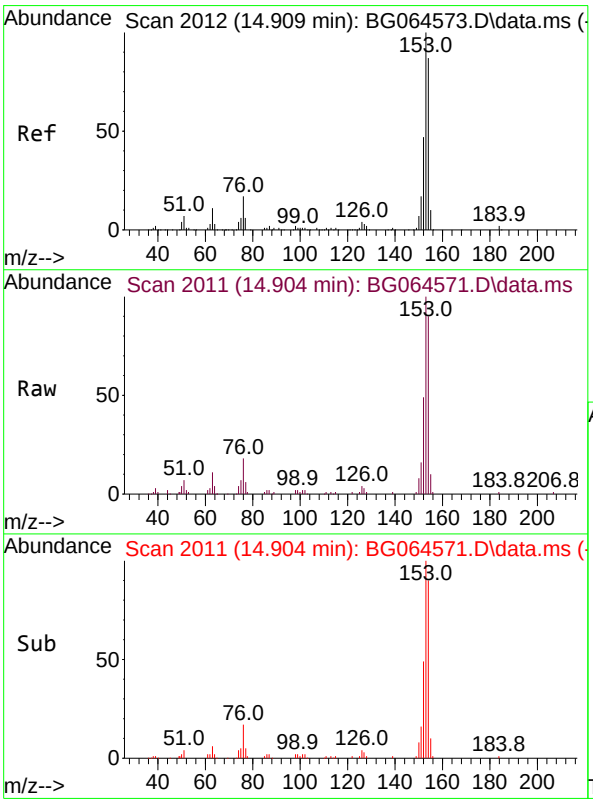
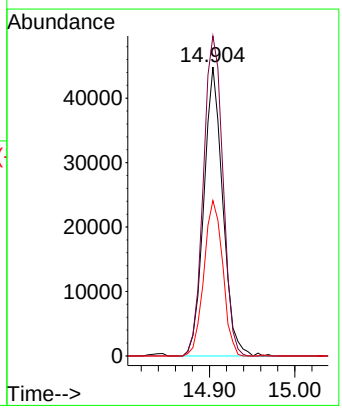
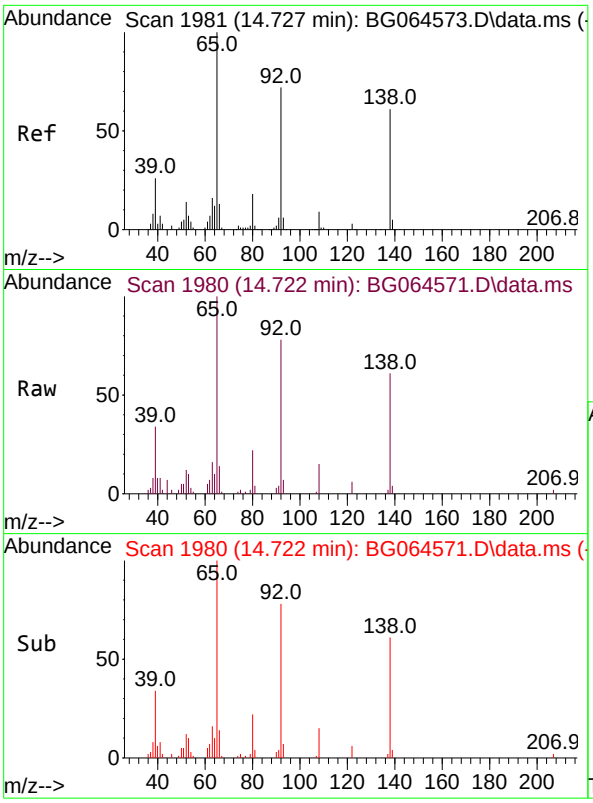


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 69273

Ion	Ratio	Lower	Upper
154	100		
153	110.8	92.2	138.4
152	53.8	43.2	64.8

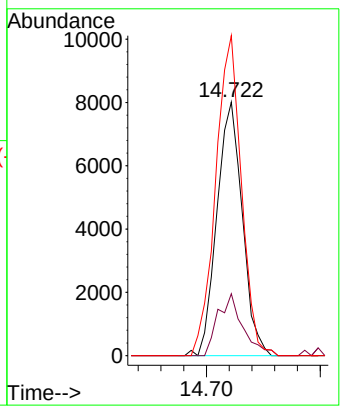




#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 1241

Ion	Ratio	Lower	Upper
138	100		
108	24.4	11.4	17.0#
92	126.2	95.3	142.9



Instrument :
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ClientSampleId :
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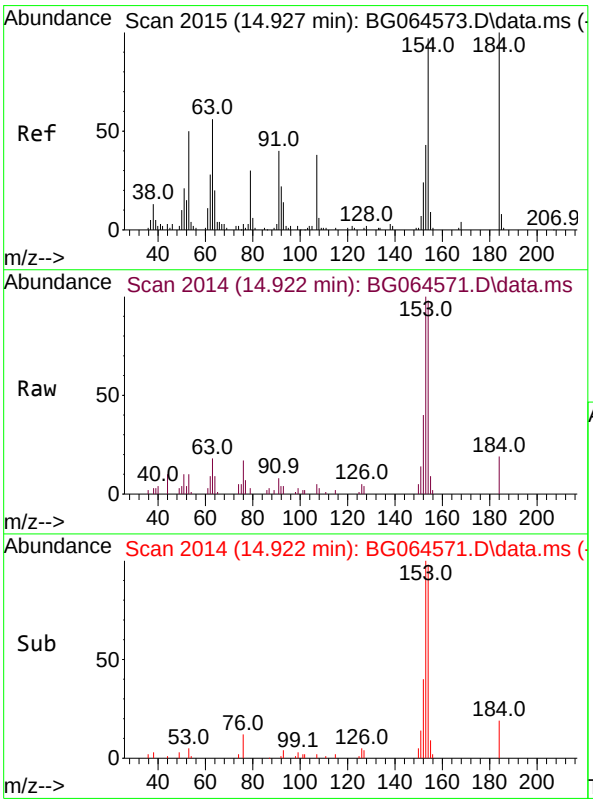
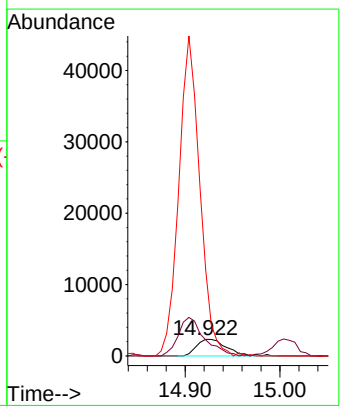
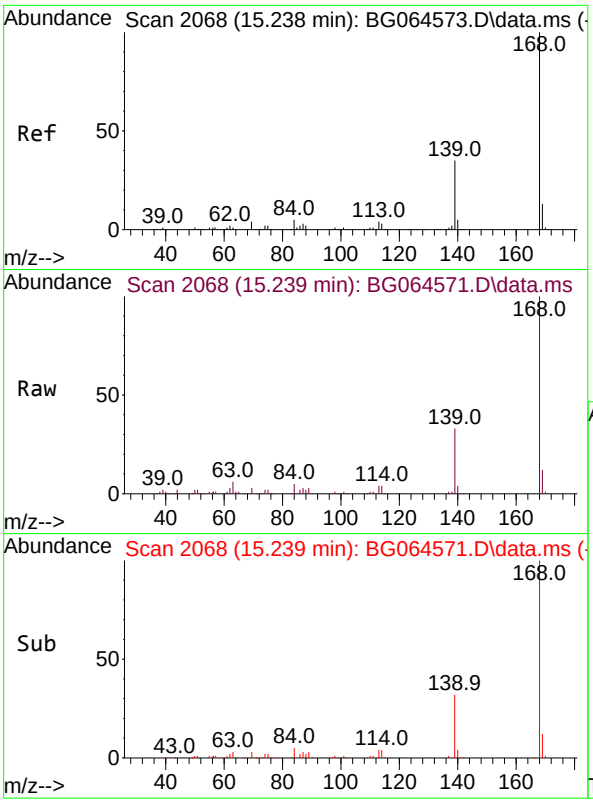


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 5082

Ion	Ratio	Lower	Upper
184	100		
63	95.9	56.6	85.0#
154	514.8	158.6	238.0#

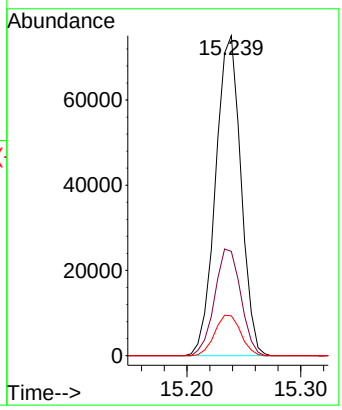




#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:168 Resp: 11599

Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.8	41.8
169	12.4	10.3	15.5



Instrument :
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ClientSampleId :
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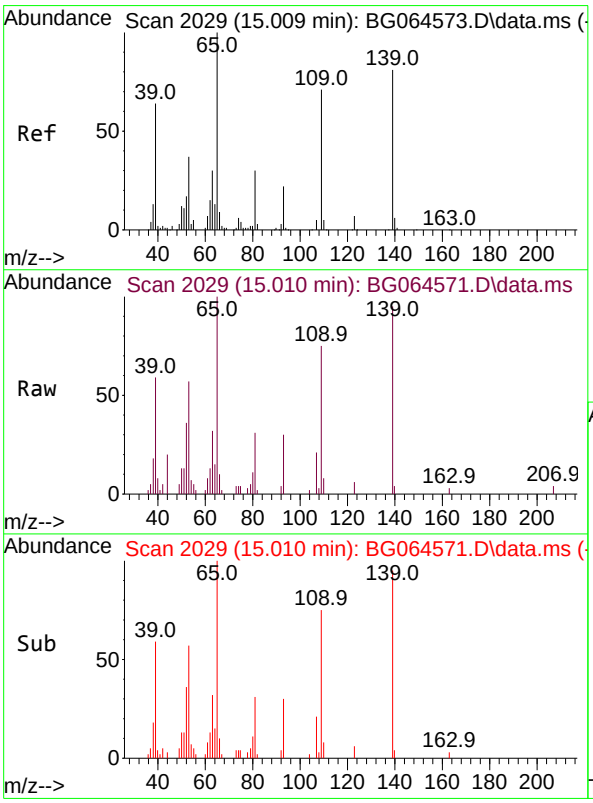
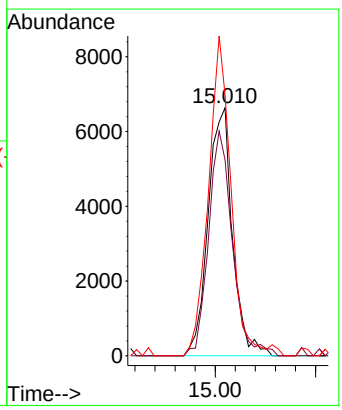
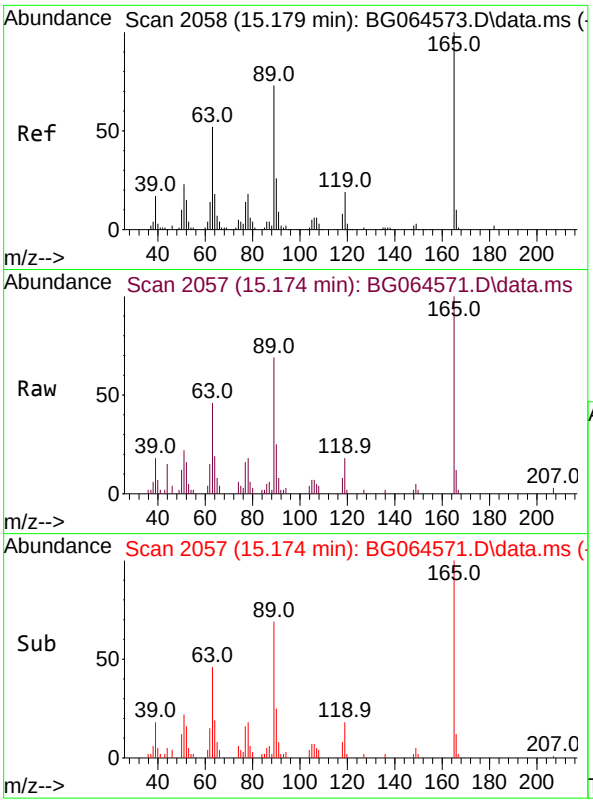


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 11207

Ion	Ratio	Lower	Upper
139	100		
109	78.9	67.8	107.8
65	105.0	103.7	143.7

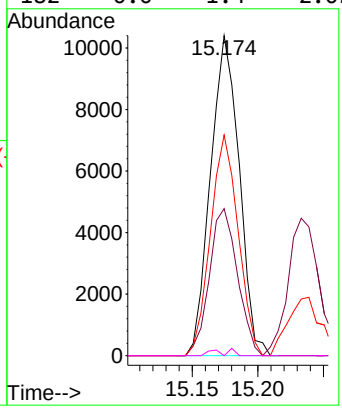




#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 1579

Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0#



Instrument :
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ClientSampleId :
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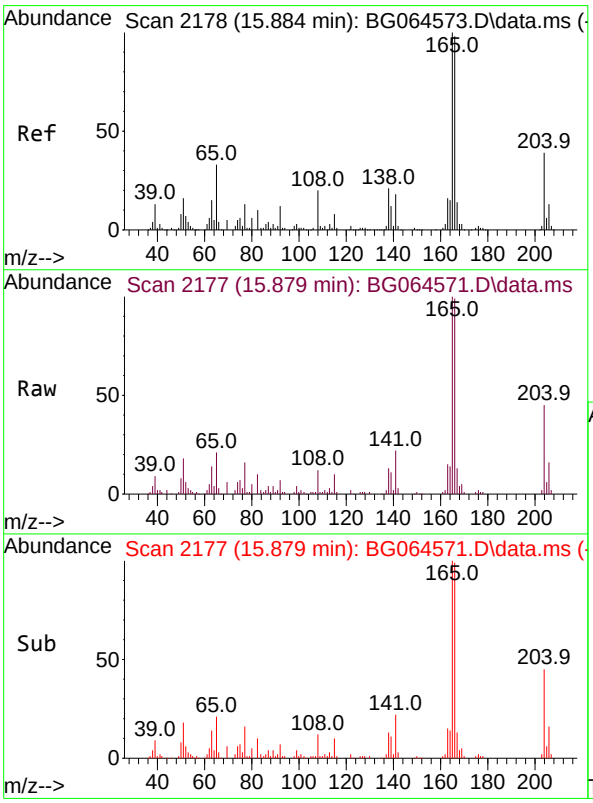
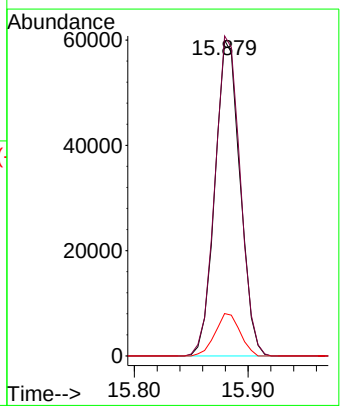
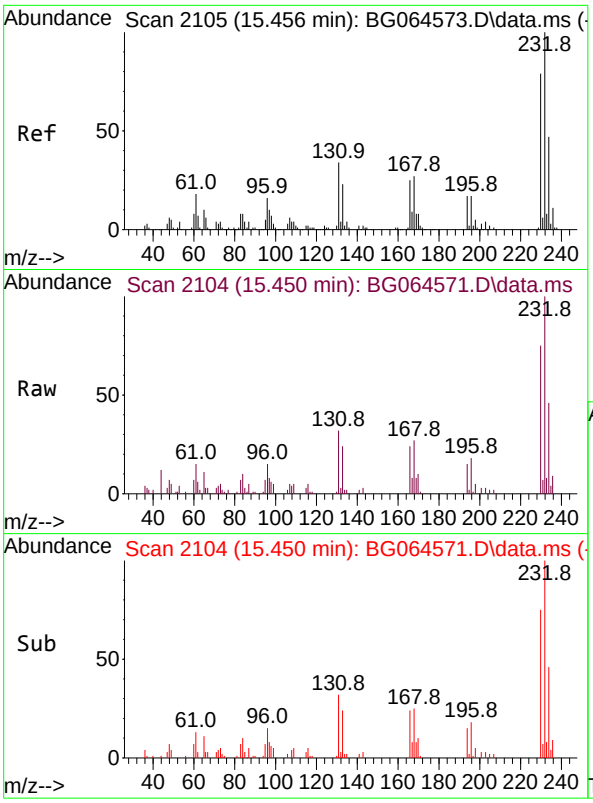


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:166 Resp: 91712

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	13.4	11.4	17.0

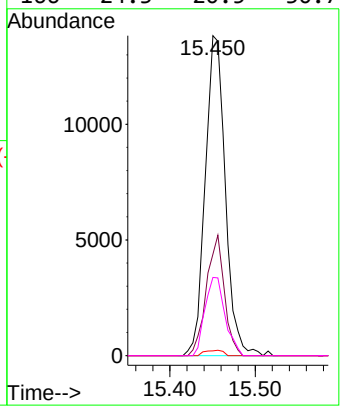




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:232 Resp: 2264

Ion	Ratio	Lower	Upper
232	100		
131	33.5	26.7	40.1
130	1.5	1.6	2.4#
166	24.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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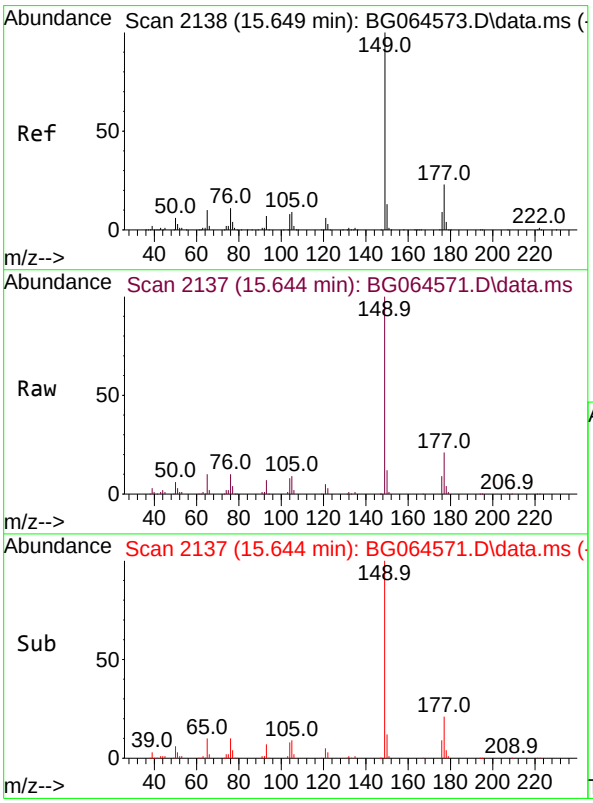
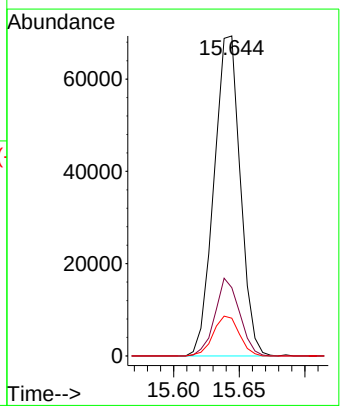
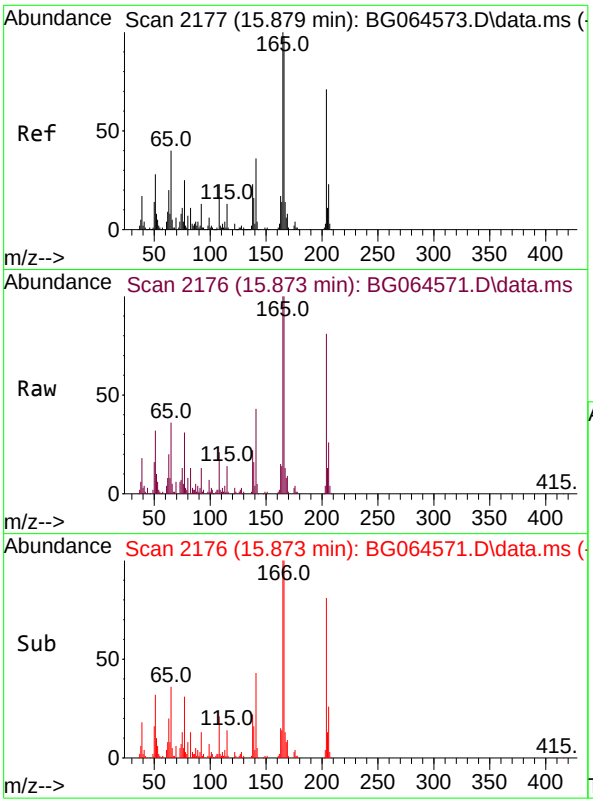


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 96719

Ion	Ratio	Lower	Upper
149	100		
177	21.3	18.0	27.0
150	11.8	10.2	15.4

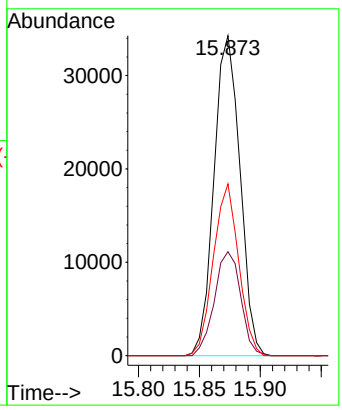




#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:204 Resp: 5081

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	53.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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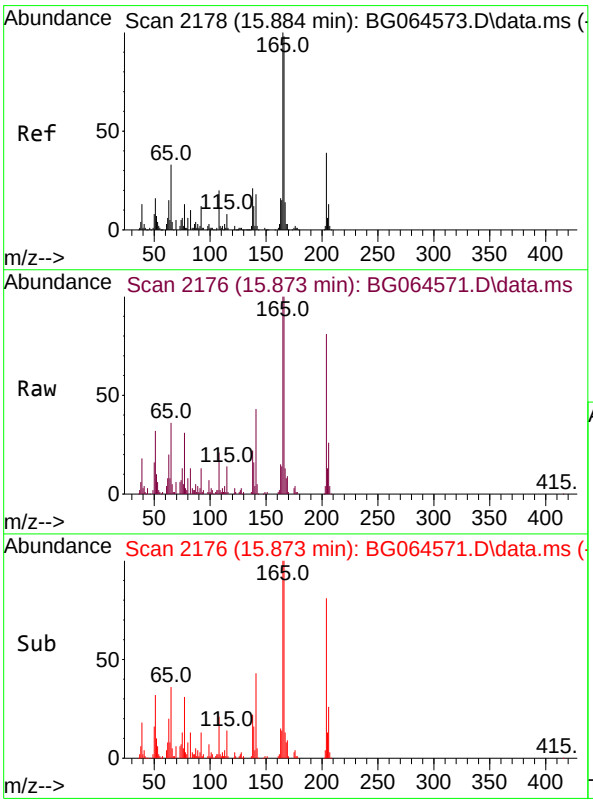
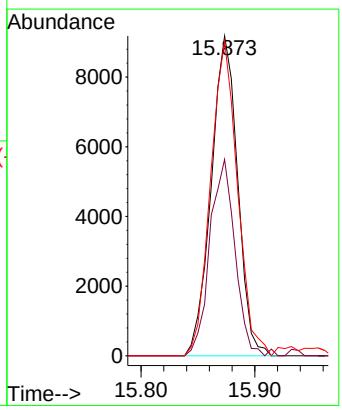
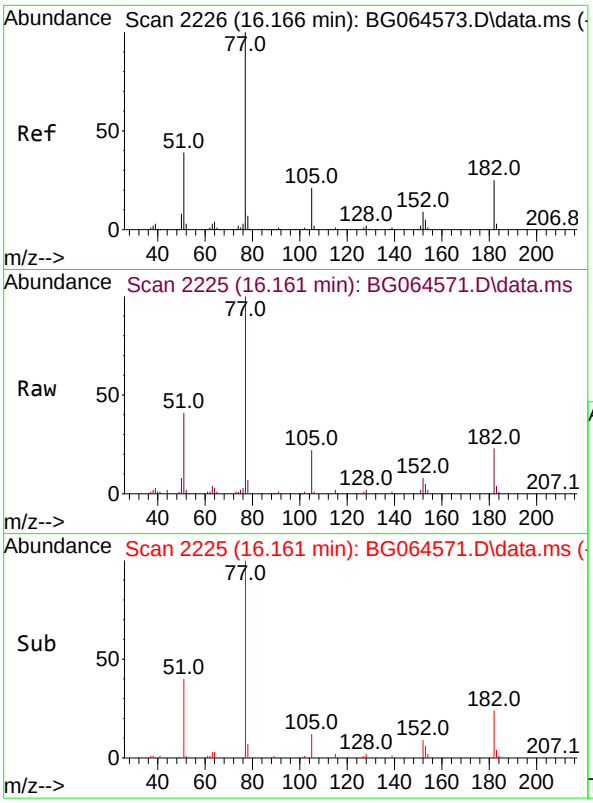


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 14819

Ion	Ratio	Lower	Upper
138	100		
92	61.4	36.1	76.1
108	98.5	75.6	115.6

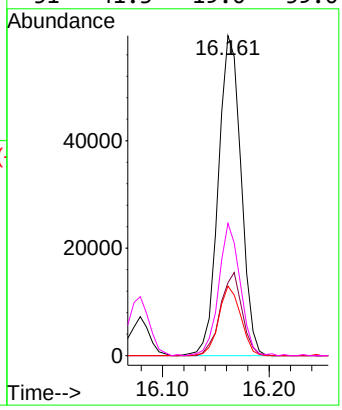




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 8844

Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.9	44.9
105	21.7	1.3	41.3
51	41.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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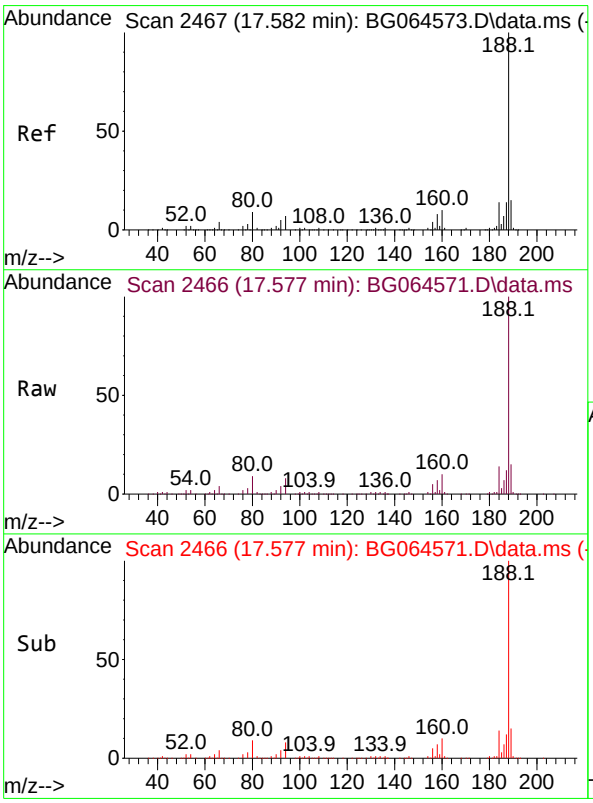
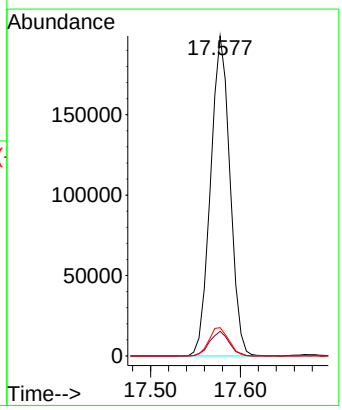
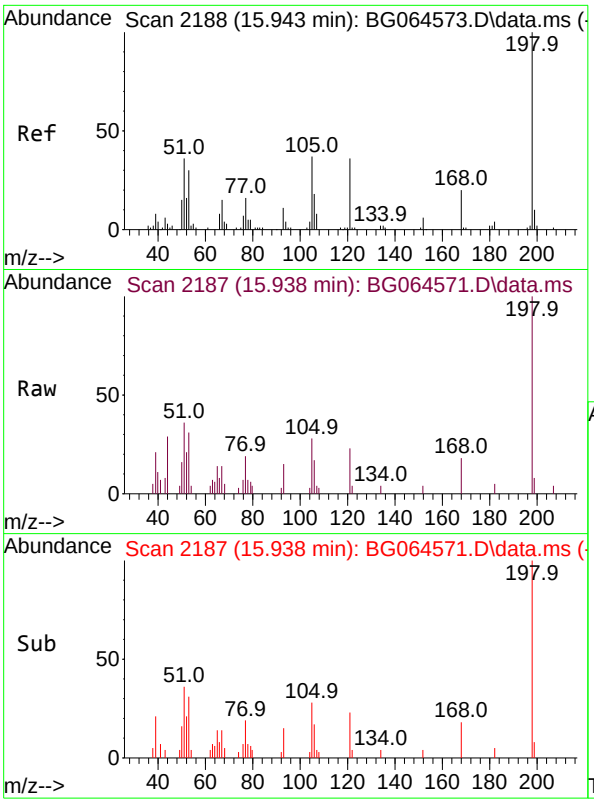


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:188 Resp: 300549

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	8.8	6.8	10.2

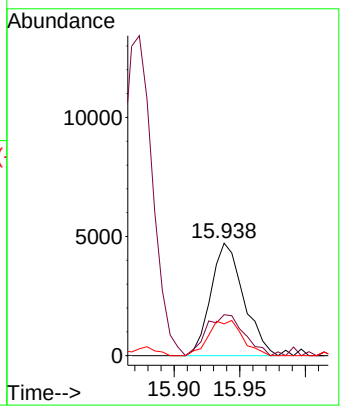




#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:198 Resp: 819

Ion	Ratio	Lower	Upper
198	100		
51	36.4	24.7	64.7
105	28.3	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
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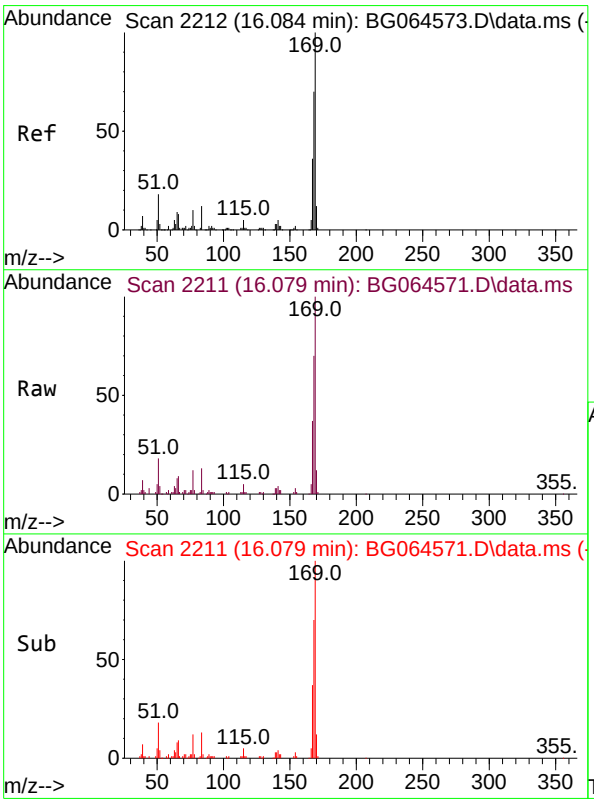
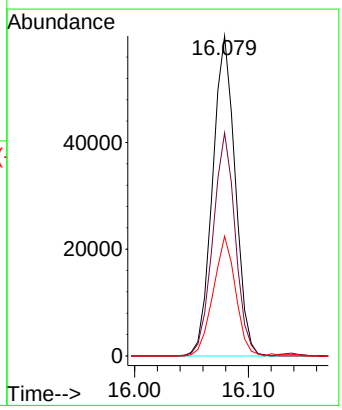
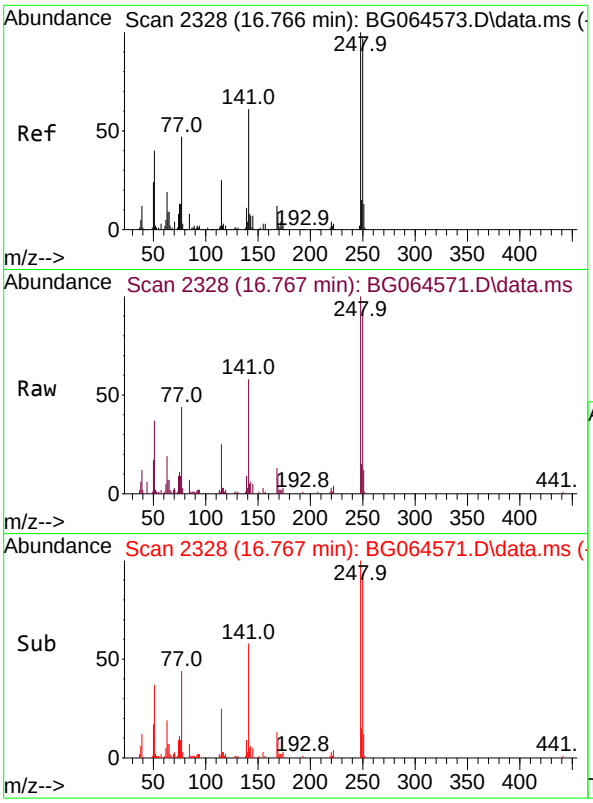


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:169 Resp: 82787

Ion	Ratio	Lower	Upper
169	100		
168	69.7	56.3	84.5
167	37.4	29.0	43.6

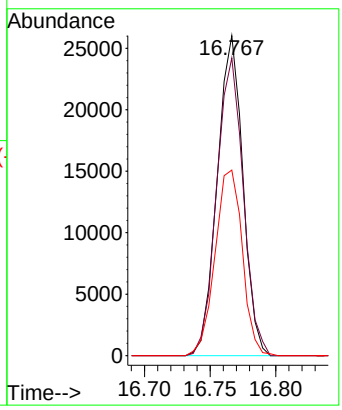




#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:248 Resp: 3543

Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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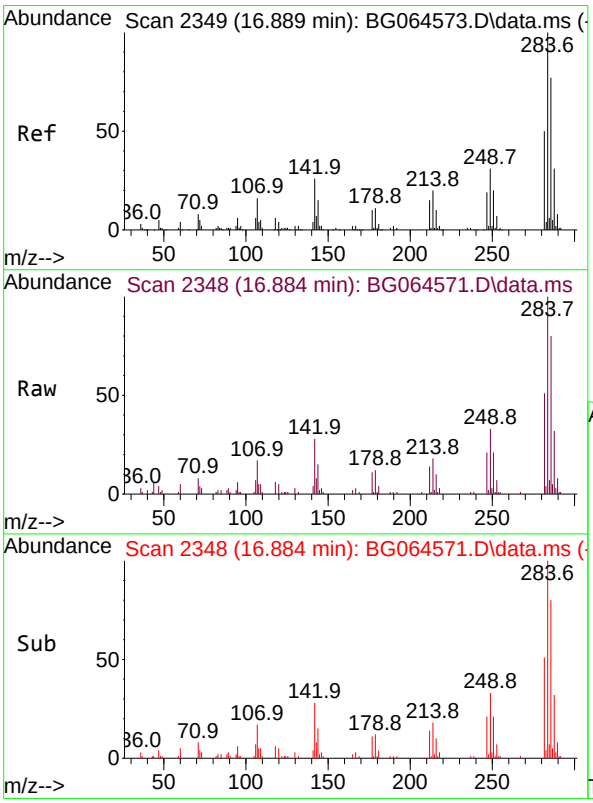
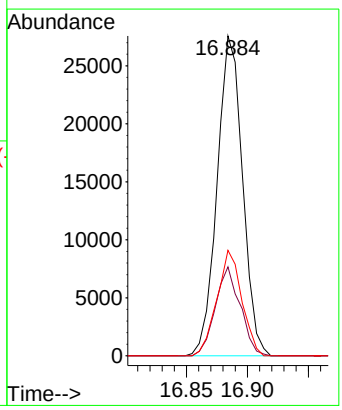
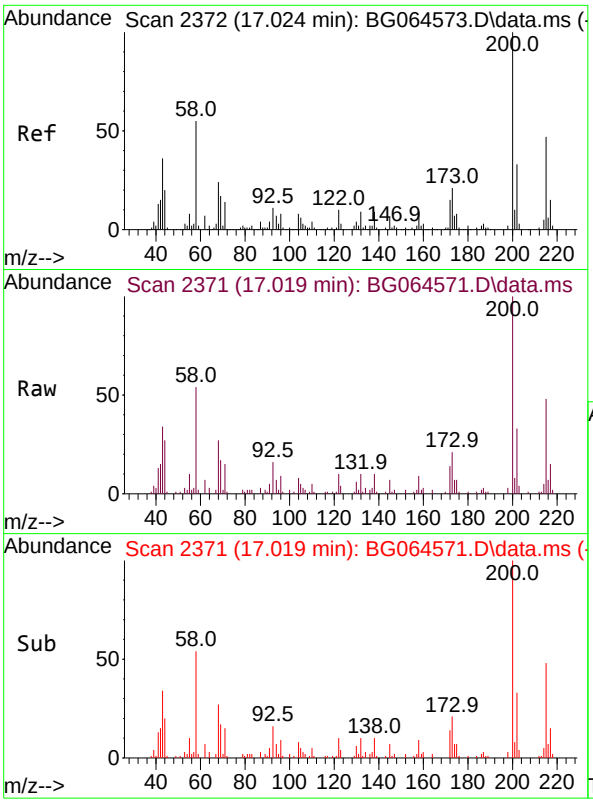


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:284 Resp: 39975

Ion	Ratio	Lower	Upper
284	100		
142	27.8	21.0	31.6
249	35.9	24.9	37.3

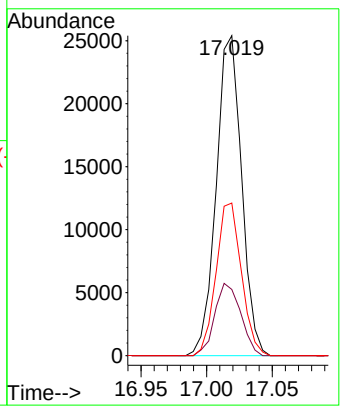




#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:200 Resp: 3418

Ion	Ratio	Lower	Upper
200	100		
173	20.7	0.9	40.9
215	47.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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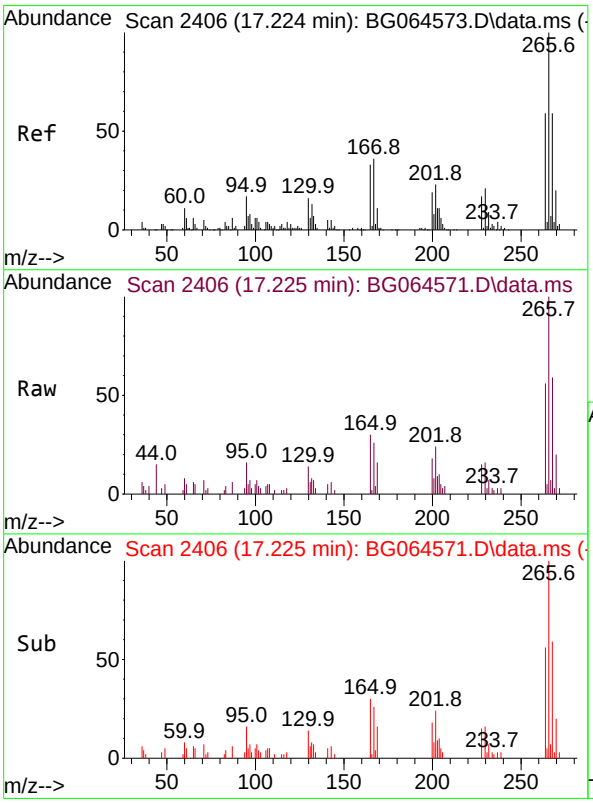
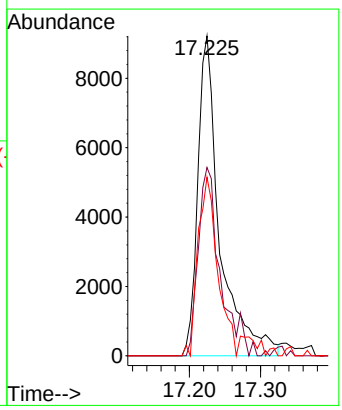
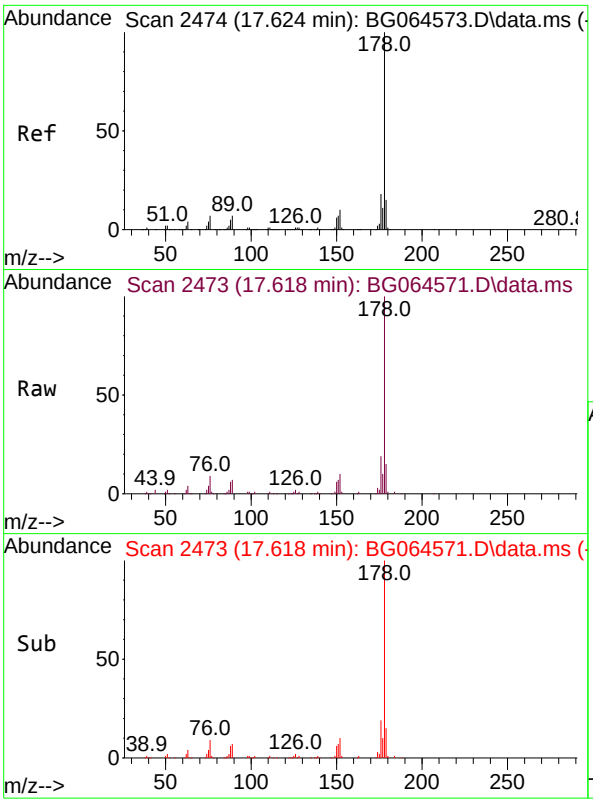


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:266 Resp: 19859

Ion	Ratio	Lower	Upper
266	100		
268	58.9	50.3	75.5
264	61.2	47.3	70.9

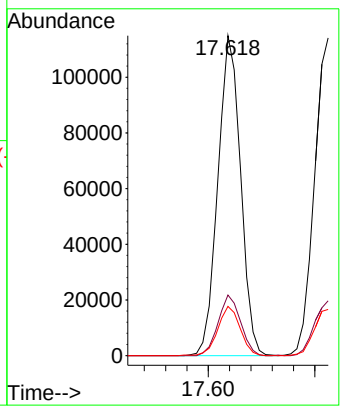




#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 170294

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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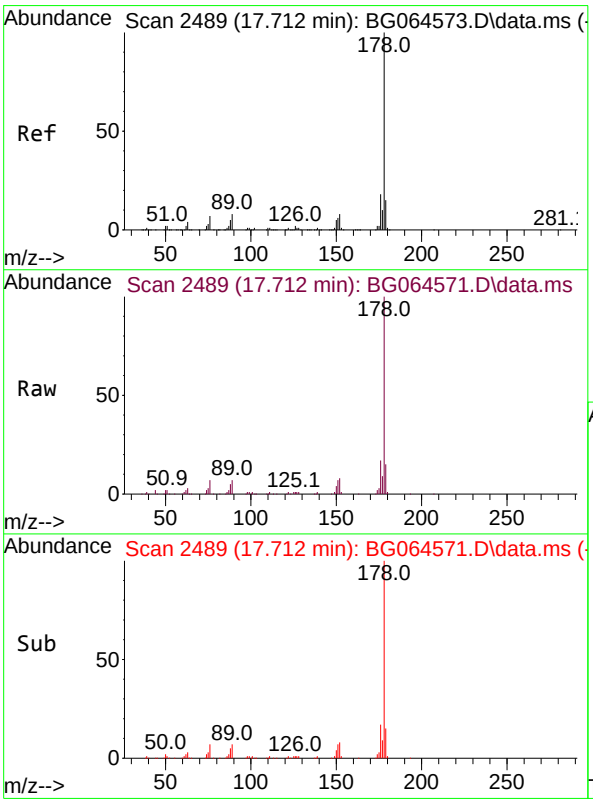
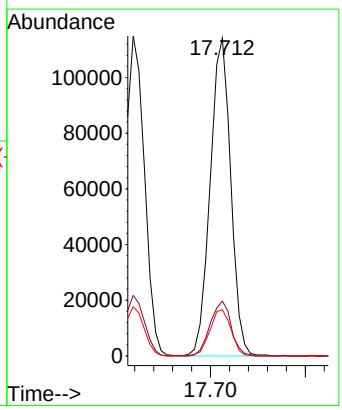
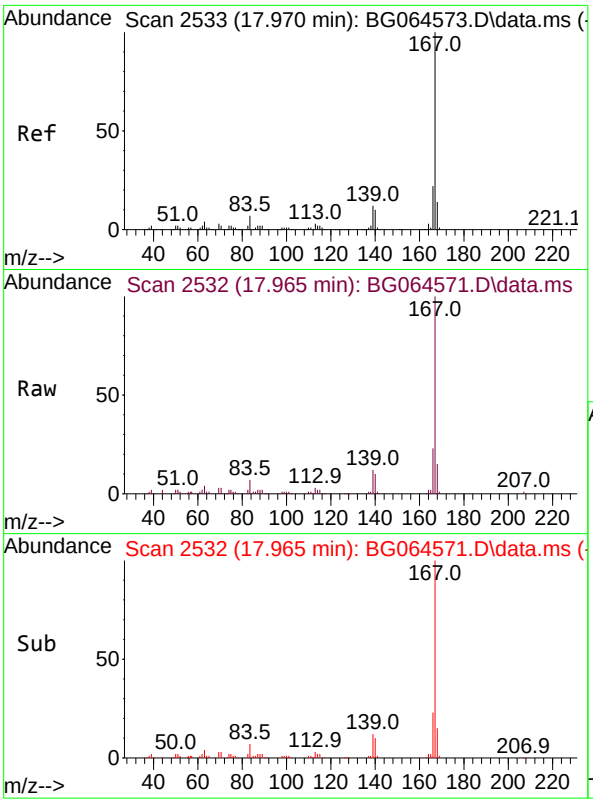


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 171860

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.4	21.6
179	14.5	12.4	18.6

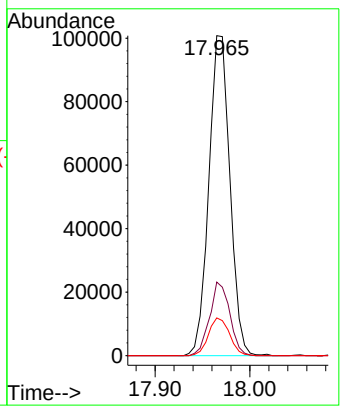




#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:167 Resp: 15590

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	11.8	9.7	14.5



Instrument :
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ClientSampleId :
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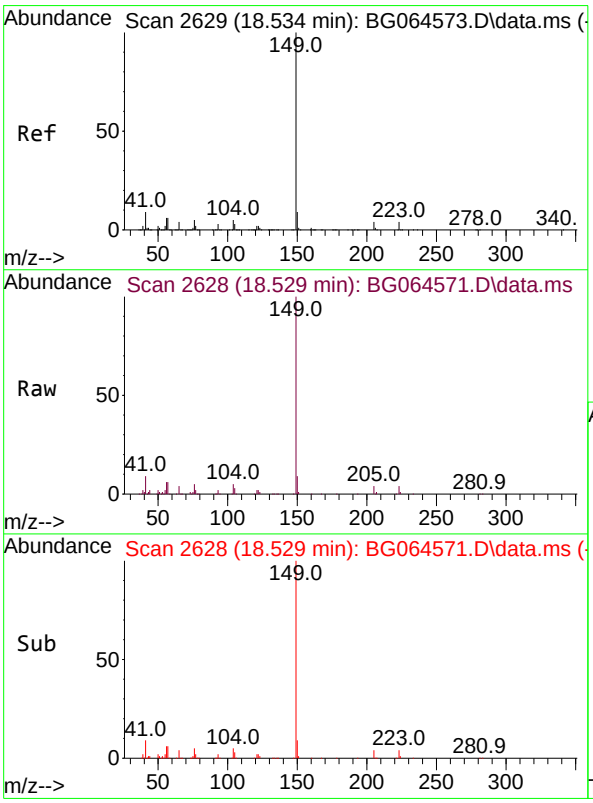
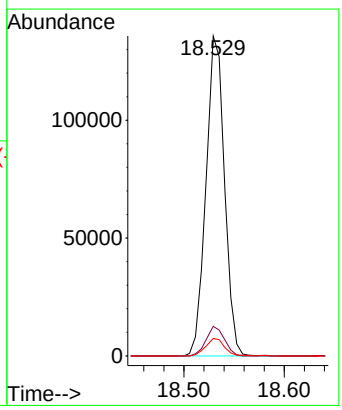
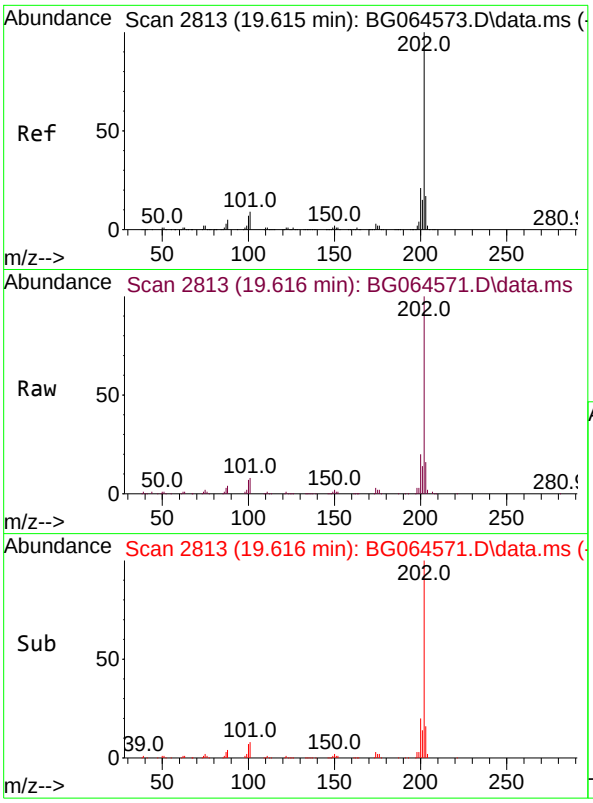


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 173716

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1

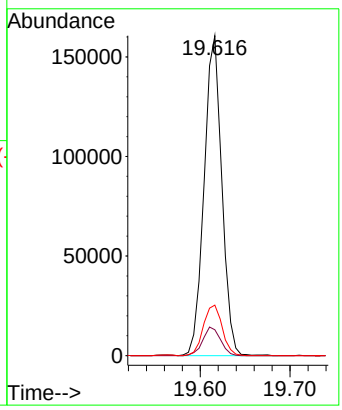




#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 219838

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	15.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
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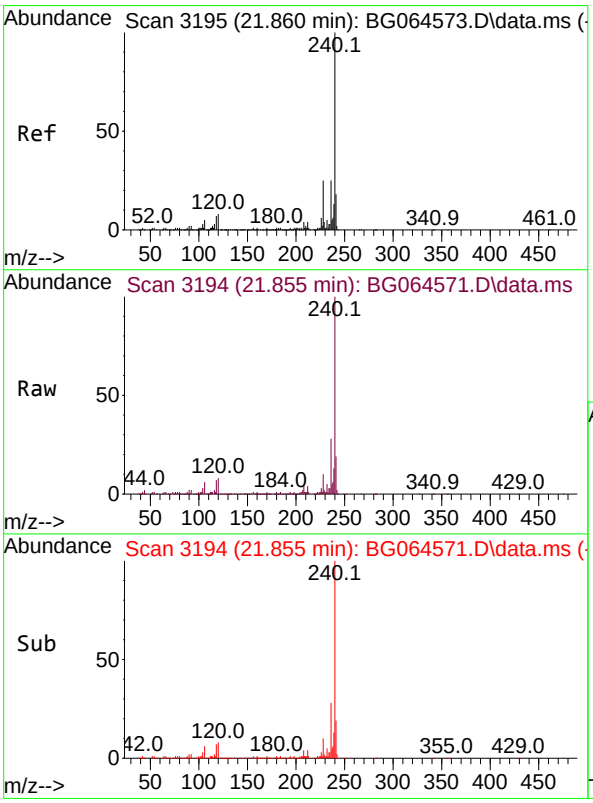
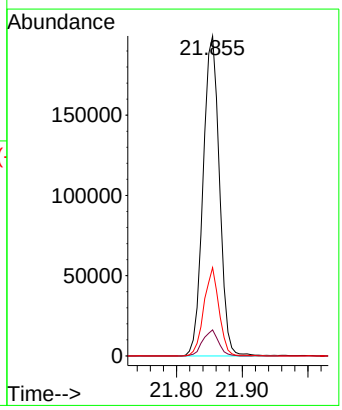
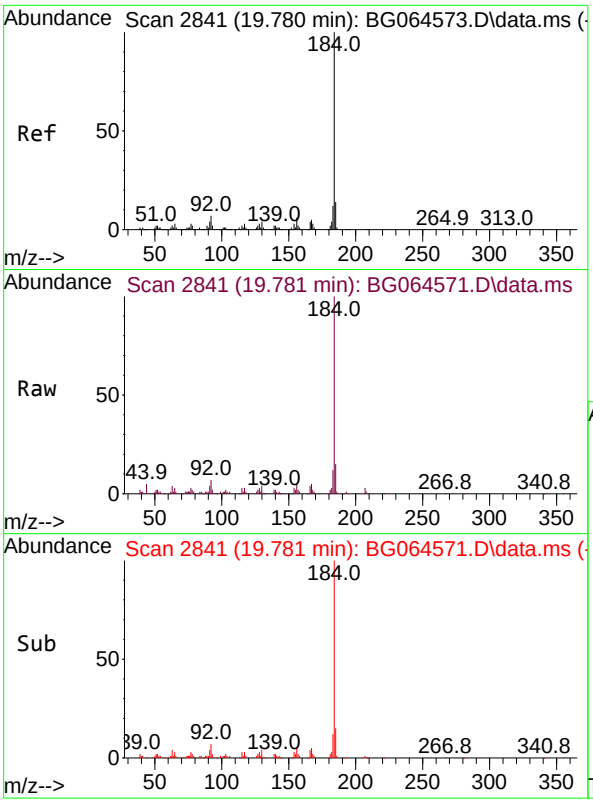


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:240 Resp: 343958

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	27.6	20.2	30.2





#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 6742

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	12.3	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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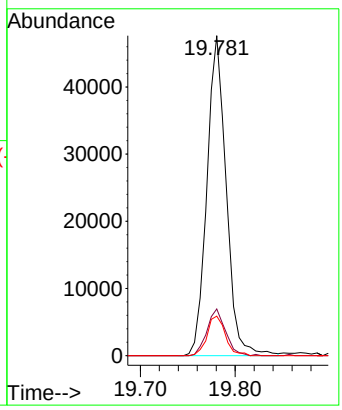
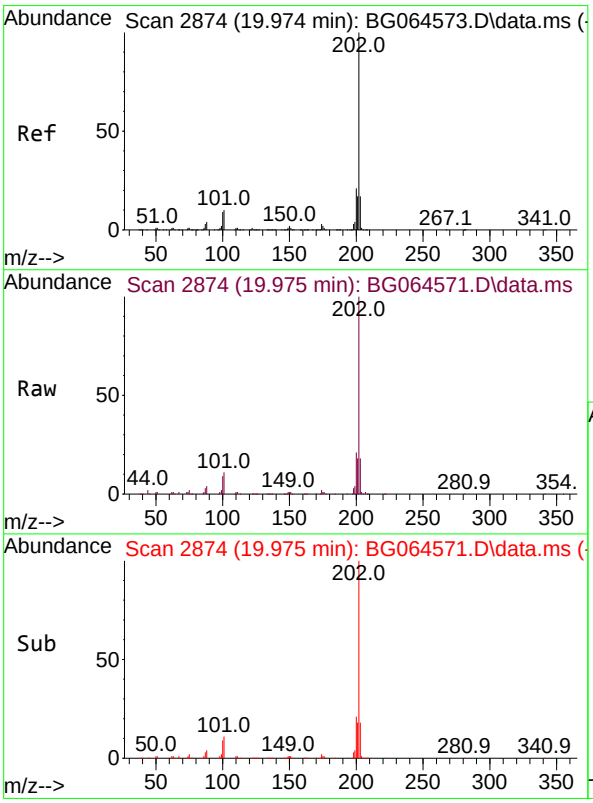
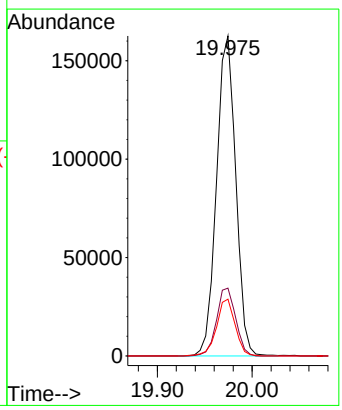


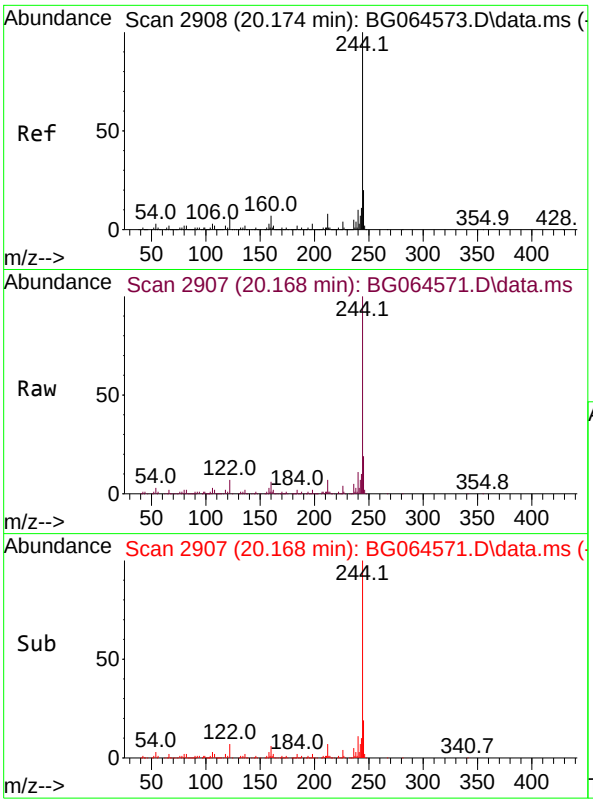


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 228905

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	13.8	20.6

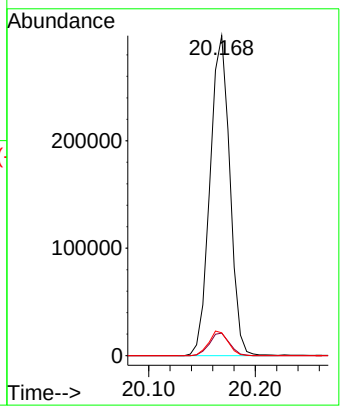




#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:244 Resp: 385094

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	7.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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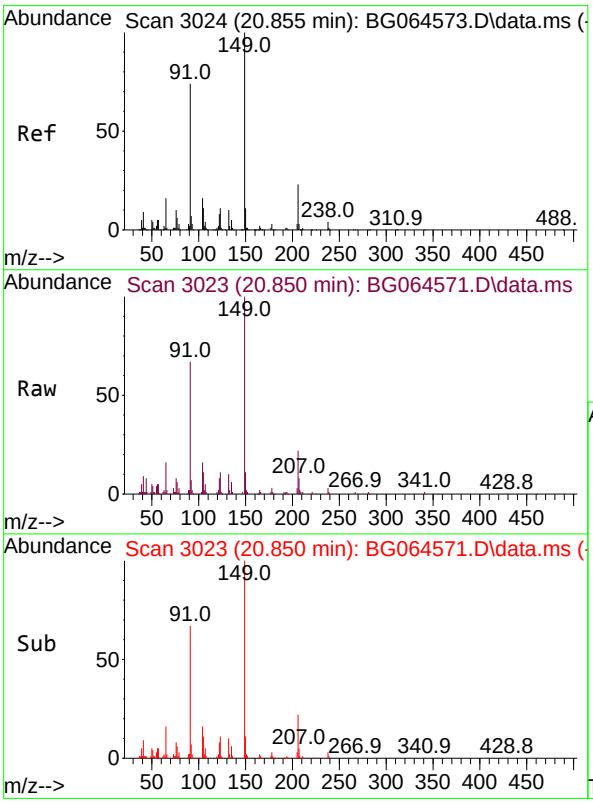
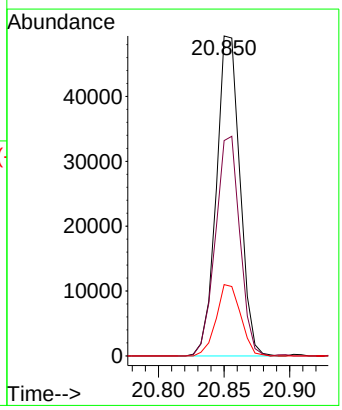
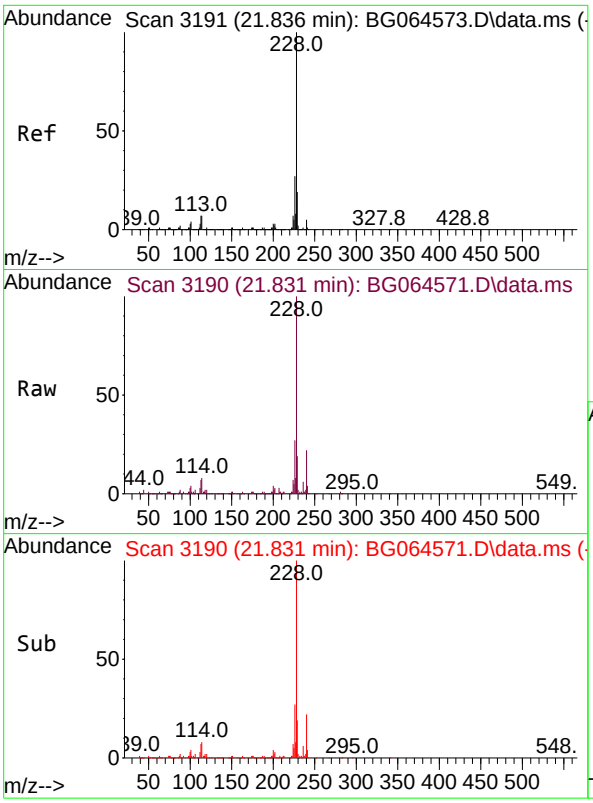


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 61669

Ion	Ratio	Lower	Upper
149	100		
91	67.3	59.2	88.8
206	22.3	18.1	27.1

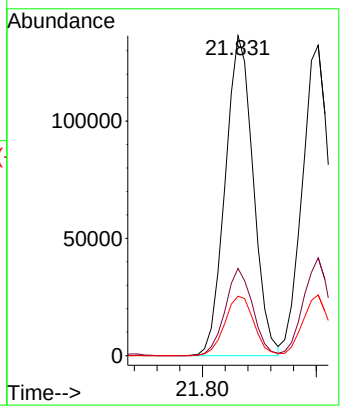




#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 233051

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	18.6	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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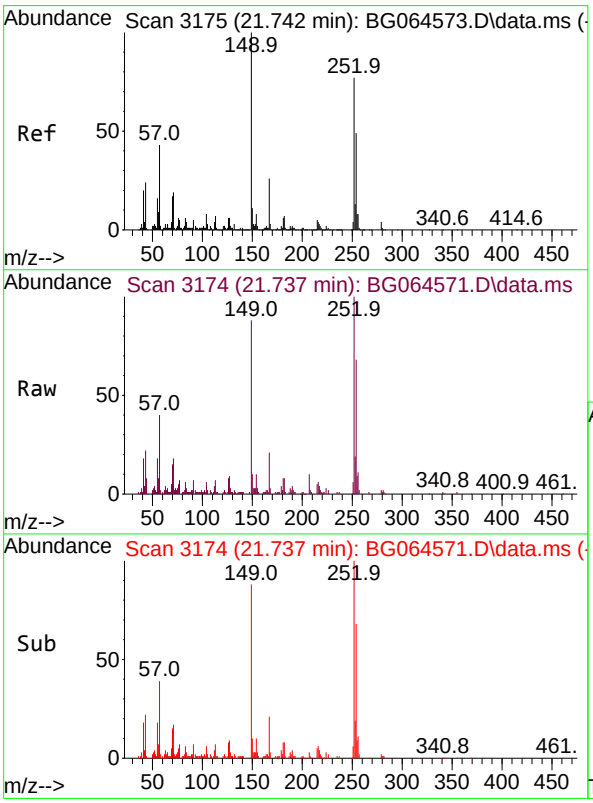
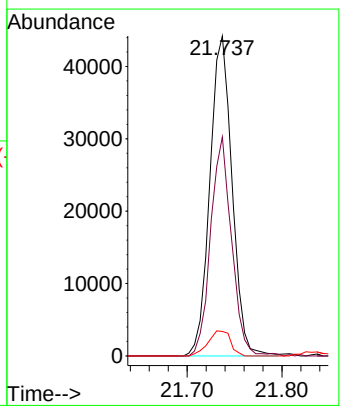
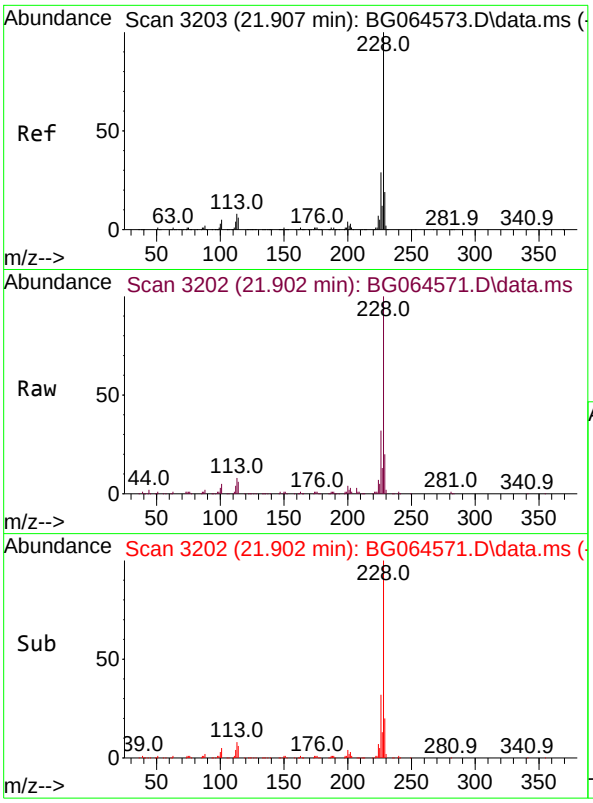


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 71951

Ion	Ratio	Lower	Upper
252	100		
254	68.4	50.8	76.2
126	7.6	5.8	8.6





#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 22201

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.3	34.9
229	19.6	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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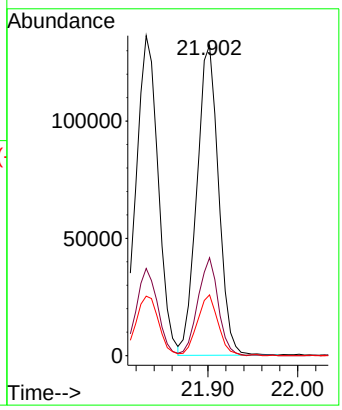
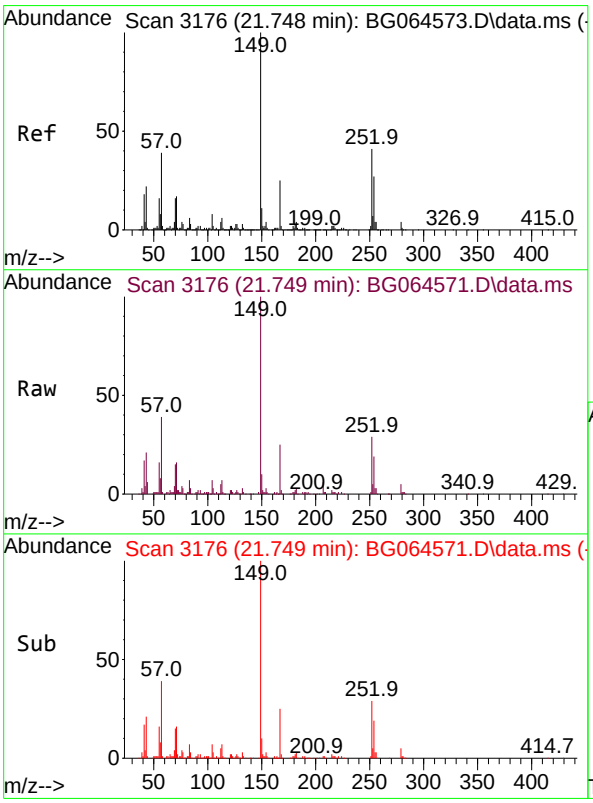
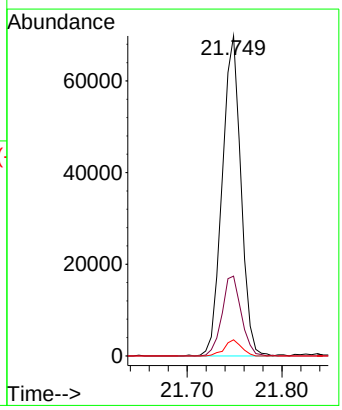


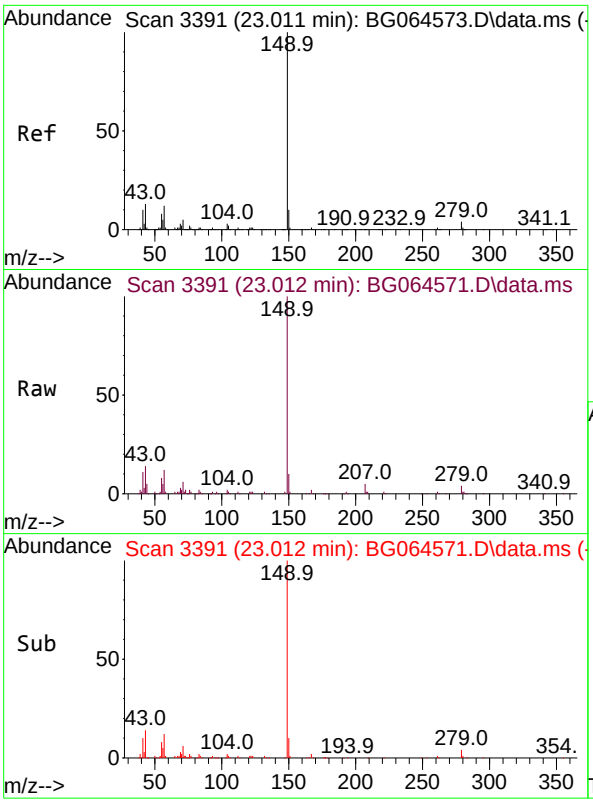


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 95500

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.0	30.0
279	5.0	3.1	4.7#

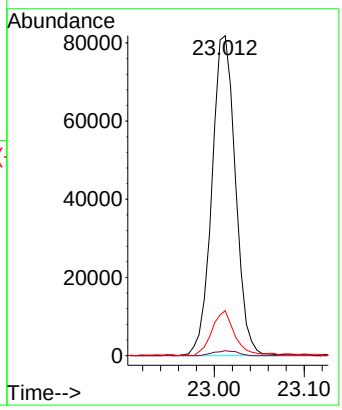




#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 14987

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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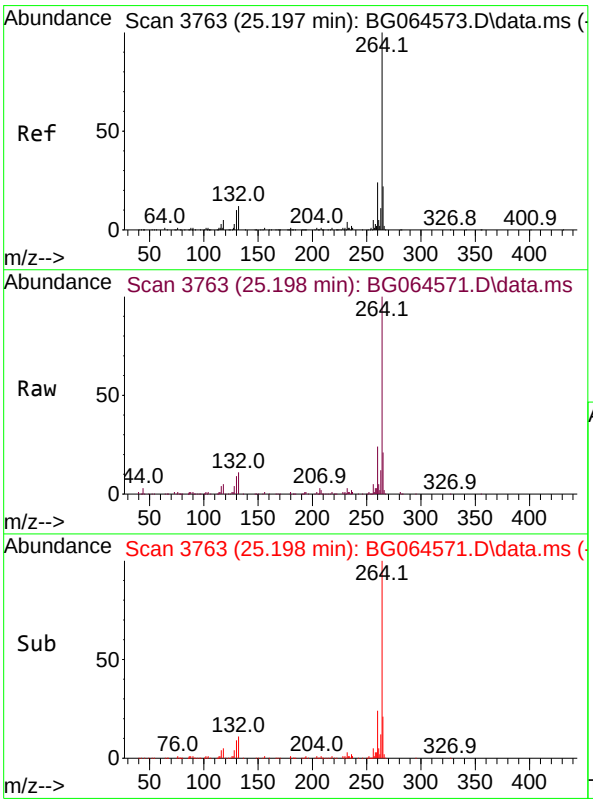
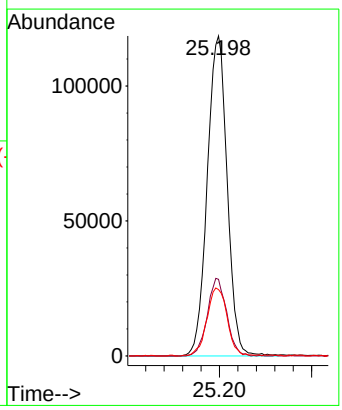
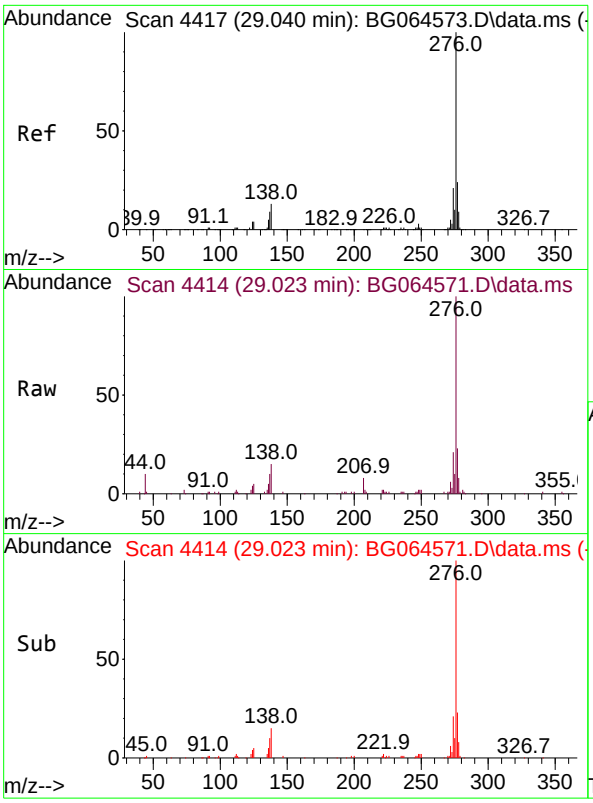


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:264 Resp: 354939

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.7	17.6	26.4

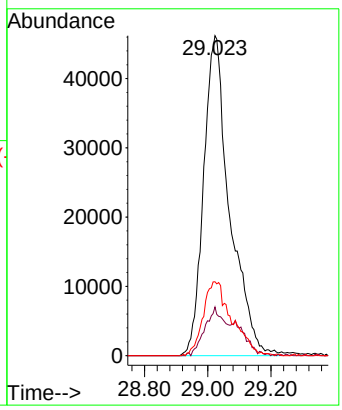




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 44
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 26454

Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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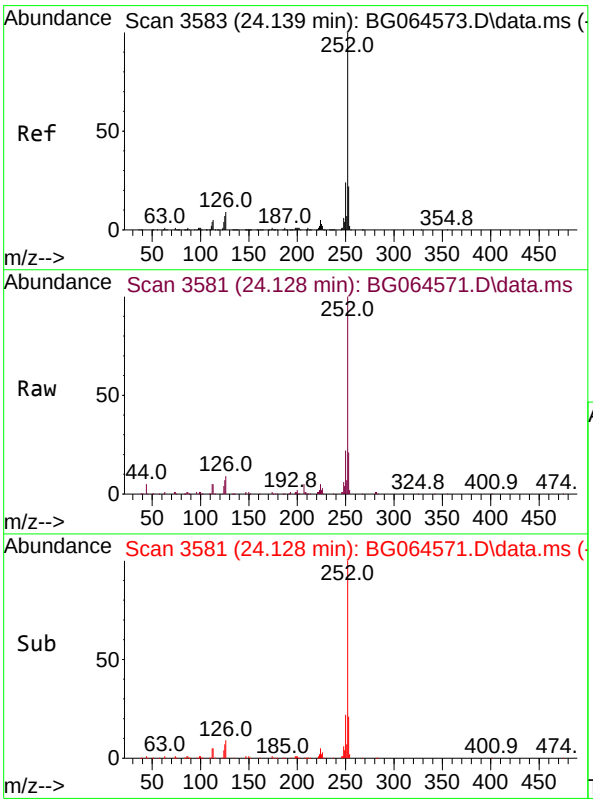
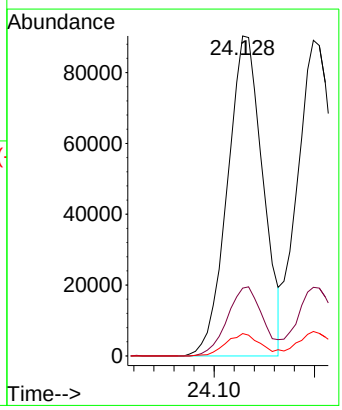
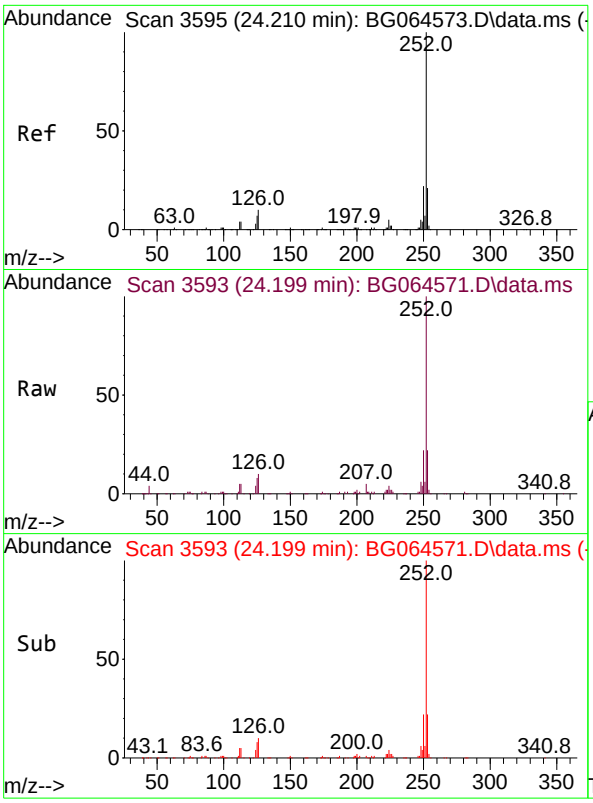


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 221197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.0	5.6	8.4

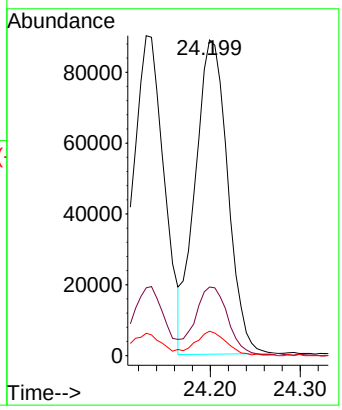




#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

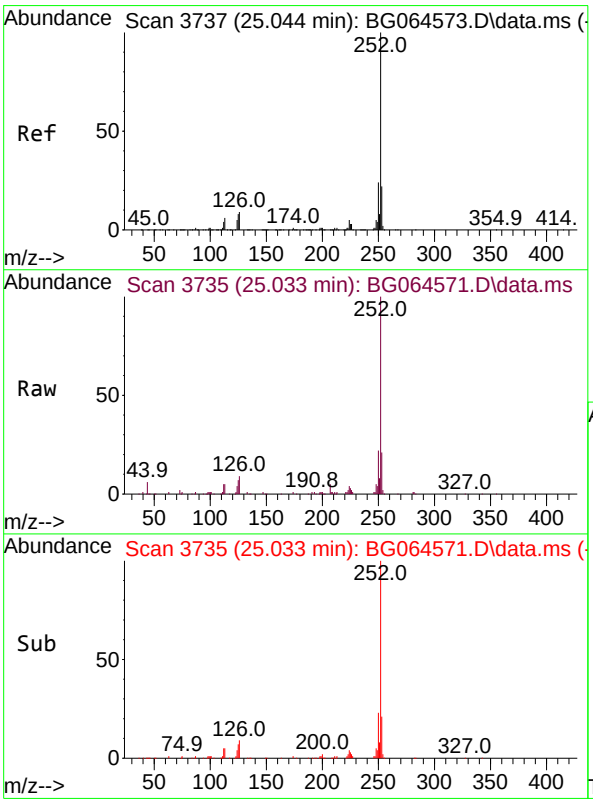
Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

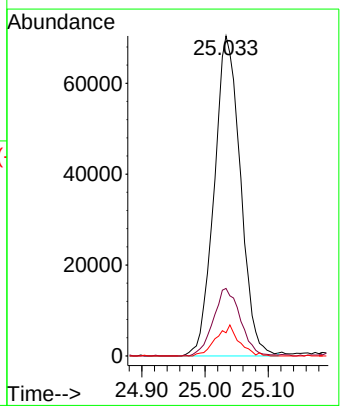
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

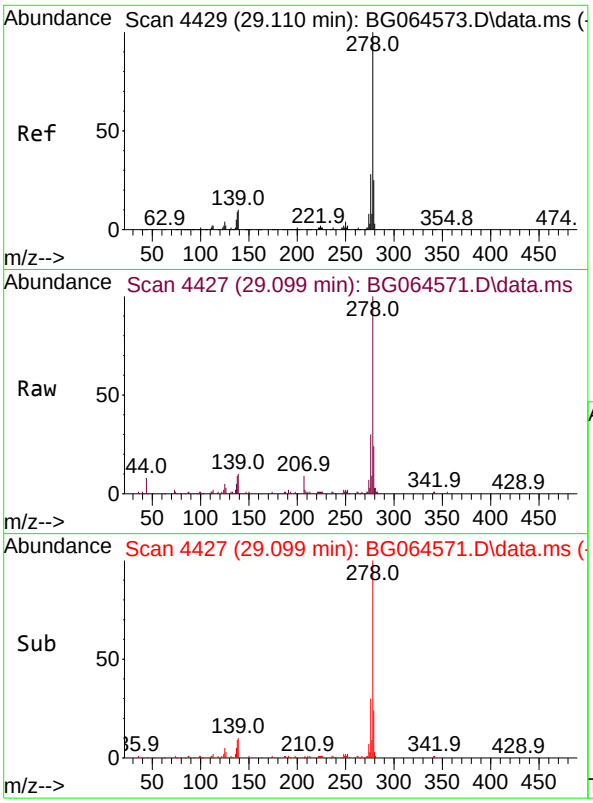


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 202985

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	7.2	6.1	9.1

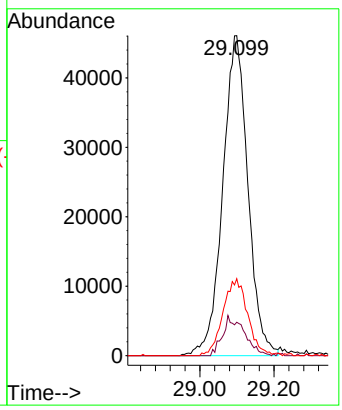




#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:278 Resp: 21711

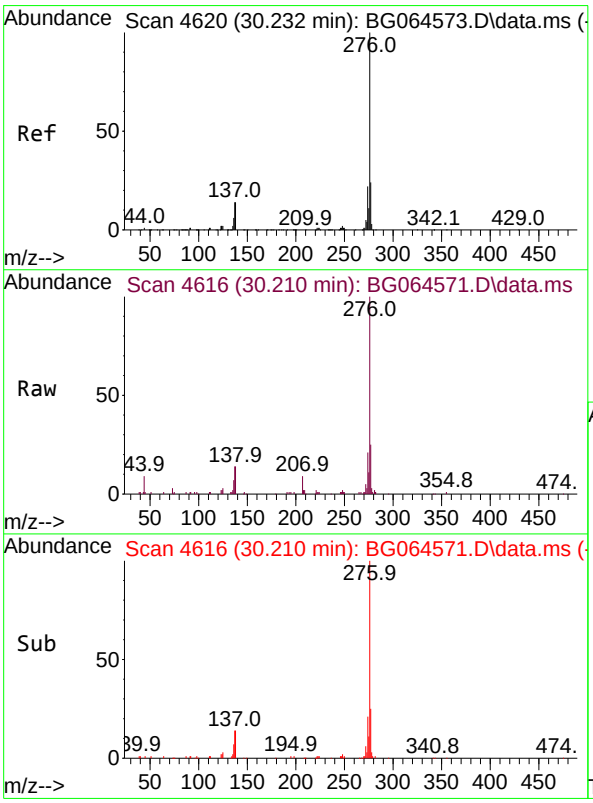
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

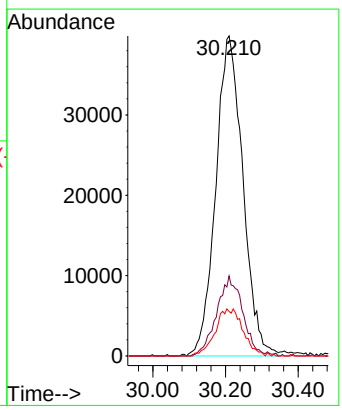
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 10.173 ng
RT: 30.210 min Scan# 4616
Delta R.T. -0.023 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 206153

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	13.9	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng		0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng		0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng		0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng		0.00
86) Perylene-d12	25.198	264	430370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.744	112	108123	38.764	ng		0.00
7) Phenol-d6	7.348	99	146608	38.304	ng		0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng		0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng		99
3) Pyridine	3.999	79	72660	19.593	ng		96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	#	90
6) Aniline	7.530	93	99762	19.155	ng		99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng		93
9) Benzaldehyde	7.342	77	46540	22.273	ng		97
10) Phenol	7.377	94	81849	19.337	ng		97
11) bis(2-Chloroethyl)ether	7.624	93	60495	19.439	ng		93
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.757	ng		94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng		99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng		97
17) 2-Methylphenol	8.646	107	55174	19.632	ng		97
18) Hexachloroethane	9.322	117	23663	19.735	ng		97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	#	94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng		94
22) Acetophenone	9.040	105	101737	19.328	ng		96
24) Nitrobenzene	9.422	77	66292	19.012	ng		95
25) Isophorone	9.951	82	148388	19.290	ng		98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng		92
27) 2,4-Dimethylphenol	10.192	122	54972	19.211	ng		90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng		97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng		96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng		97
31) Naphthalene	11.096	128	208734	19.552	ng		99
32) Benzoic acid	10.274	122	31567m	18.155	ng		
33) 4-Chloroaniline	11.190	127	79067	19.055	ng		96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng		98
35) Caprolactam	11.931	113	22010	18.635	ng		93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng		92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng		97
38) 1-Methylnaphthalene	12.906	142	149456	19.266	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng		99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng		93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng		94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng		99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng		98
49) Acenaphthylene	14.563	152	242914	19.454	ng		98
50) Dimethylphthalate	14.281	163	219575	19.452	ng		99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng		96
52) Acenaphthene	14.904	154	164542	19.287	ng		96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	#	99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	#	29
55) Dibenzofuran	15.239	168	269419	19.534	ng		98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng		90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	#	96
58) Fluorene	15.885	166	210426	19.536	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng		99
60) Diethylphthalate	15.644	149	223398	19.382	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng		98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng		99
63) Azobenzene	16.161	77	203101	19.205	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng		92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng		98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng		96
69) Atrazine	17.019	200	88832	21.392	ng		95
70) Pentachlorophenol	17.219	266	54275	18.022	ng		88
71) Phenanthrene	17.618	178	383359	19.624	ng		99
72) Anthracene	17.712	178	393312	19.792	ng		100
73) Carbazole	17.971	167	350722	20.014	ng		99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng		100
75) Fluoranthene	19.616	202	492924	20.142	ng		99
77) Benzidine	19.780	184	194070	21.201	ng		99
78) Pyrene	19.974	202	524431	19.646	ng		99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng		97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng		99
83) Chrysene	21.901	228	502125	19.479	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng		100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng		99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng		99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng		98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng		99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng		97
92) Benzo(g,h,i)perylene	30.221	276	468496	19.067	ng		99

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

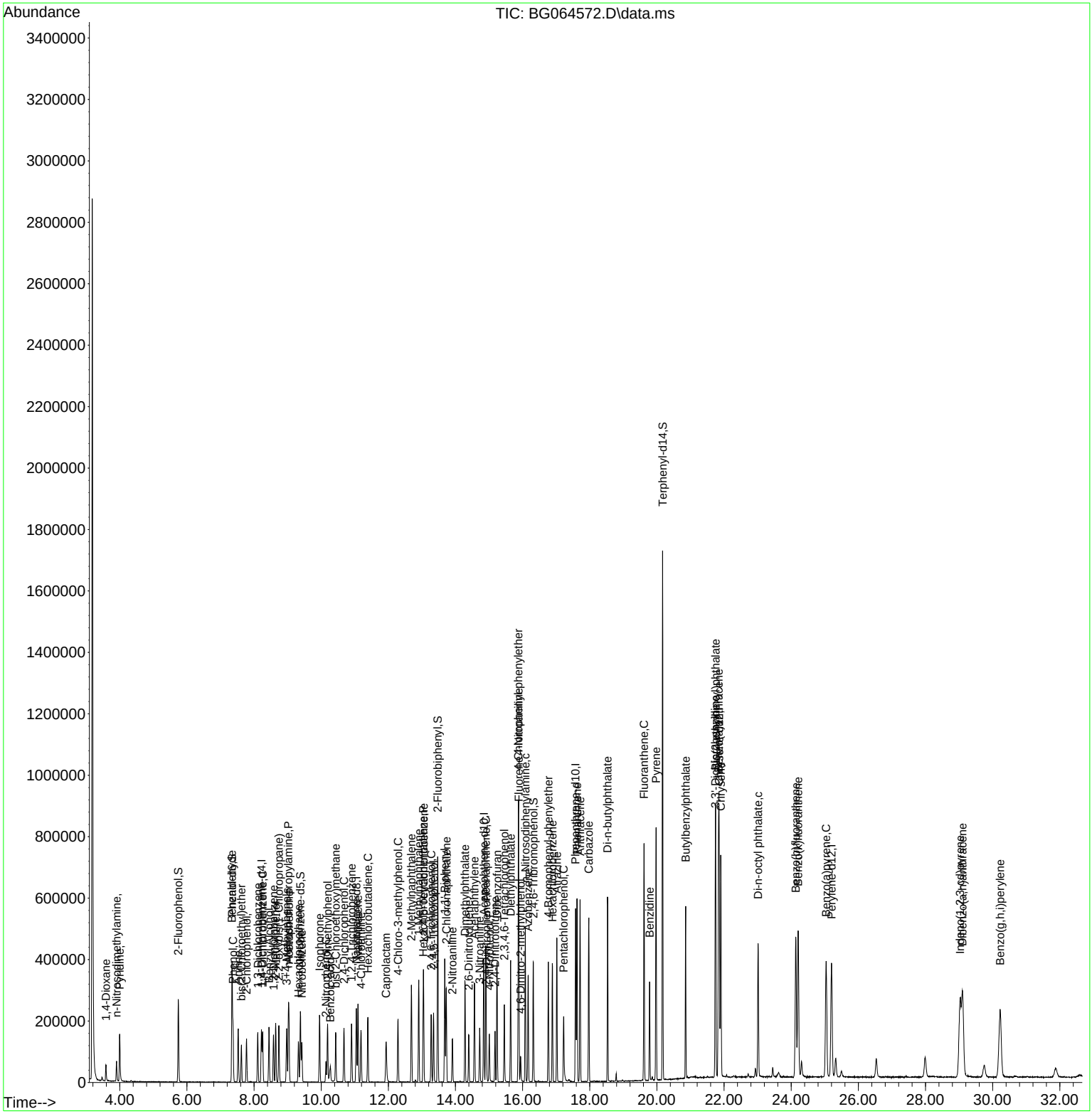
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

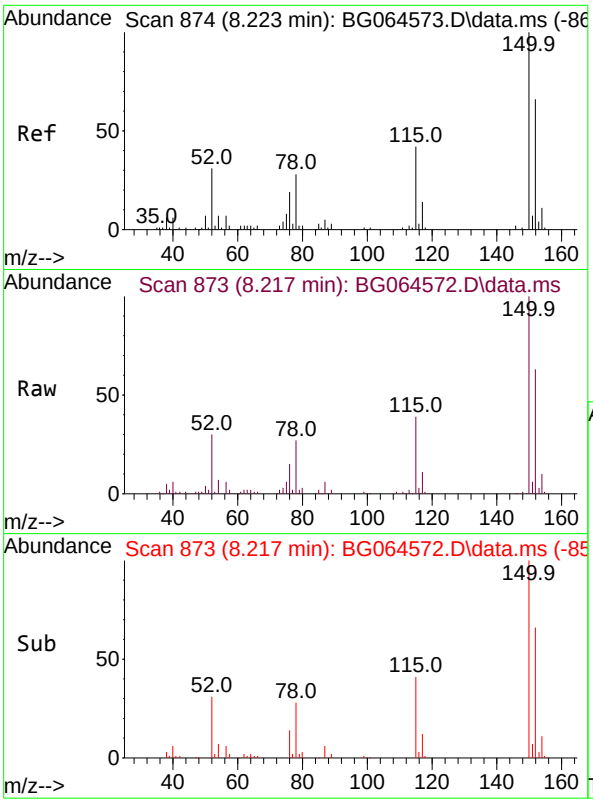
Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

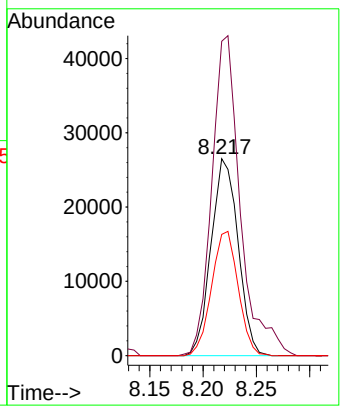




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 4681

Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
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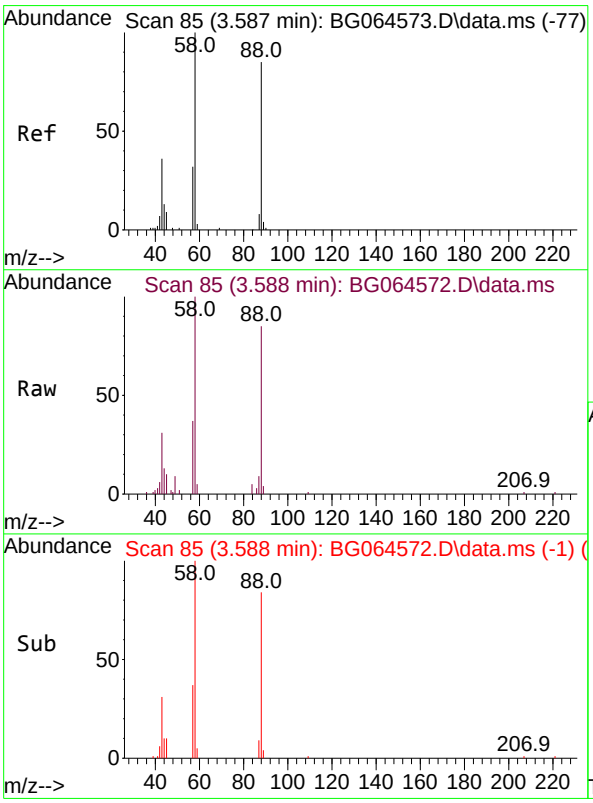
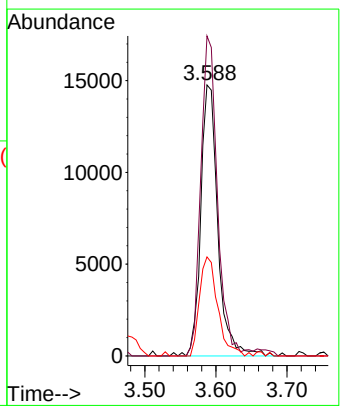
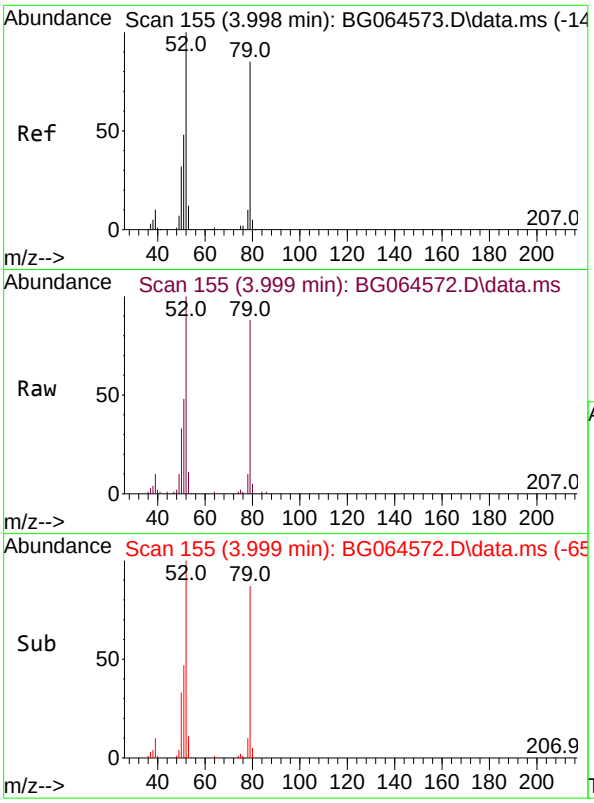


#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 88 Resp: 24533

Ion	Ratio	Lower	Upper
88	100		
58	114.9	92.4	138.6
43	38.9	33.0	49.6

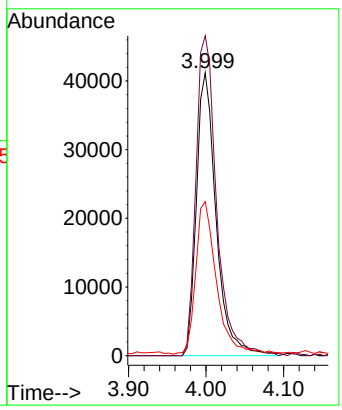




#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 7266

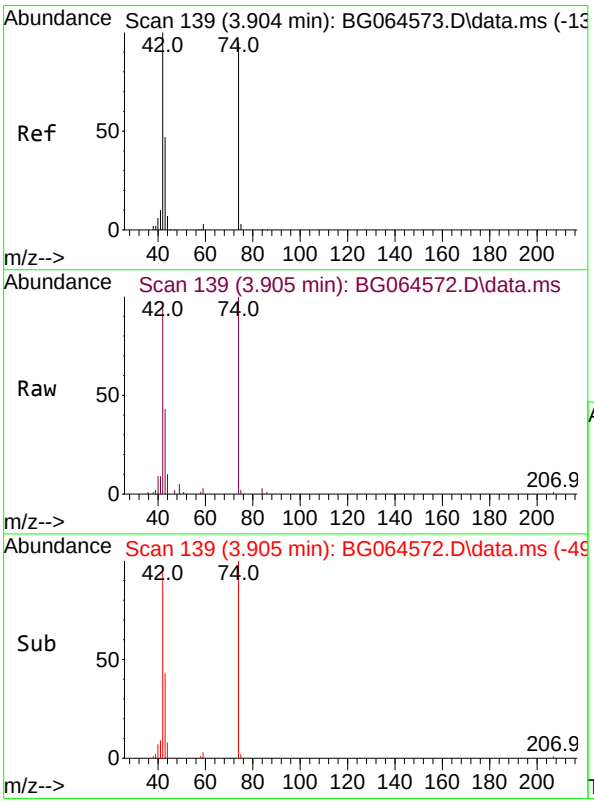
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

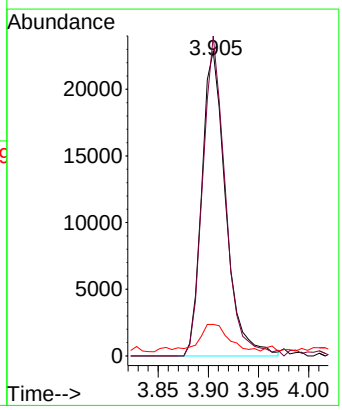
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

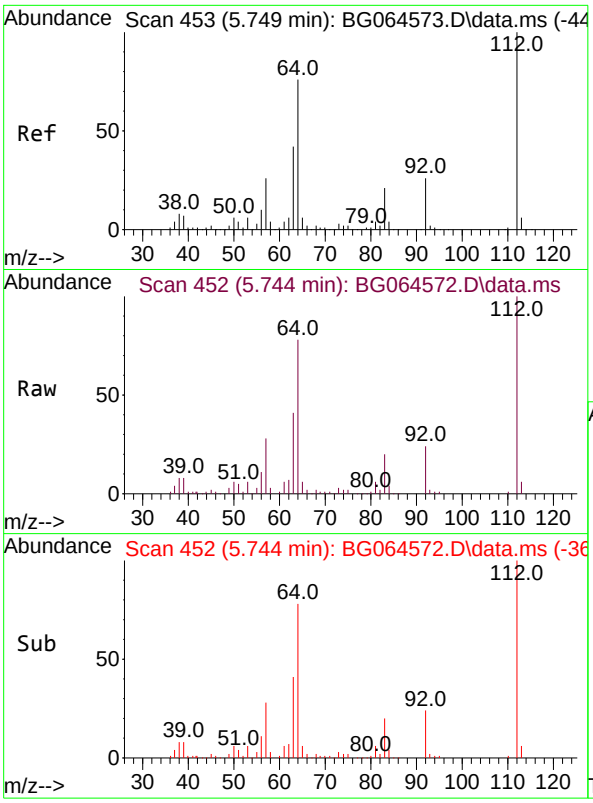


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 42 Resp: 37799

Ion	Ratio	Lower	Upper
42	100		
74	105.0	76.1	114.1
44	10.3	6.3	9.5#

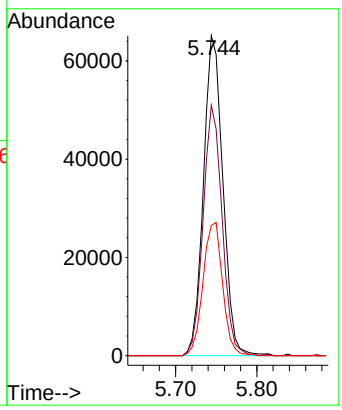




#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:112 Resp: 10812

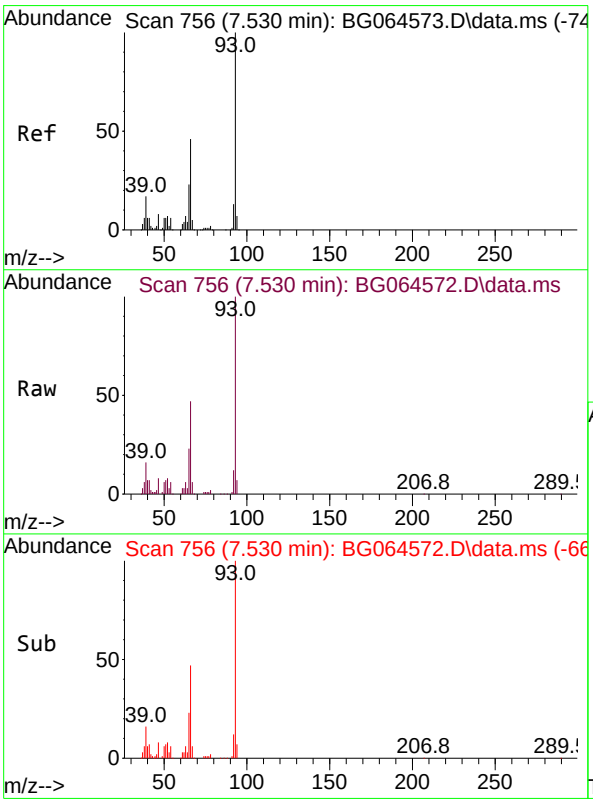
Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	40.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

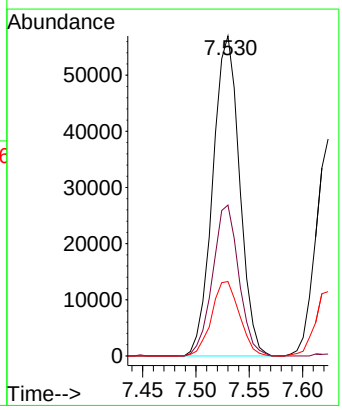
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

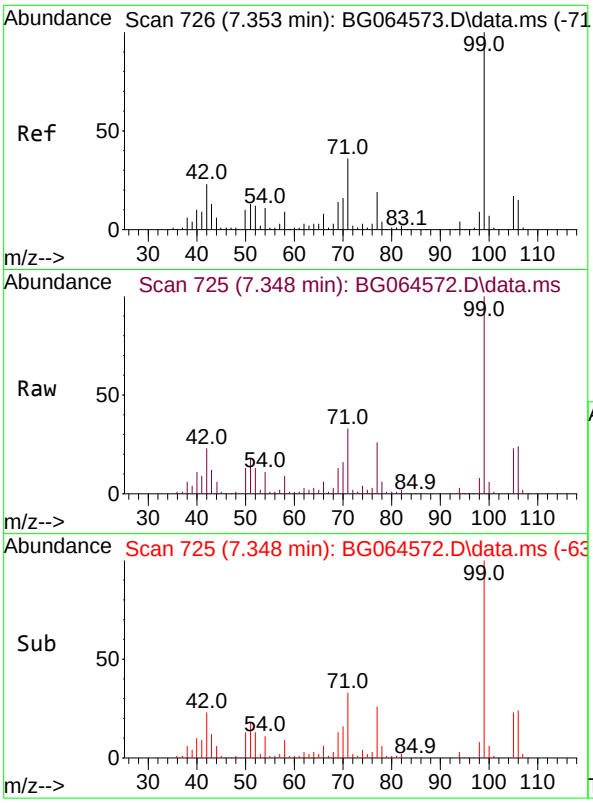


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 99762

Ion	Ratio	Lower	Upper
93	100		
66	47.2	37.0	55.6
65	23.2	18.3	27.5

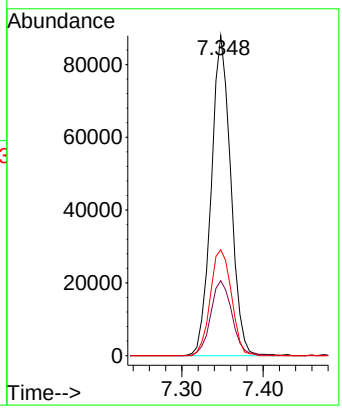




#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 99 Resp: 14660

Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	33.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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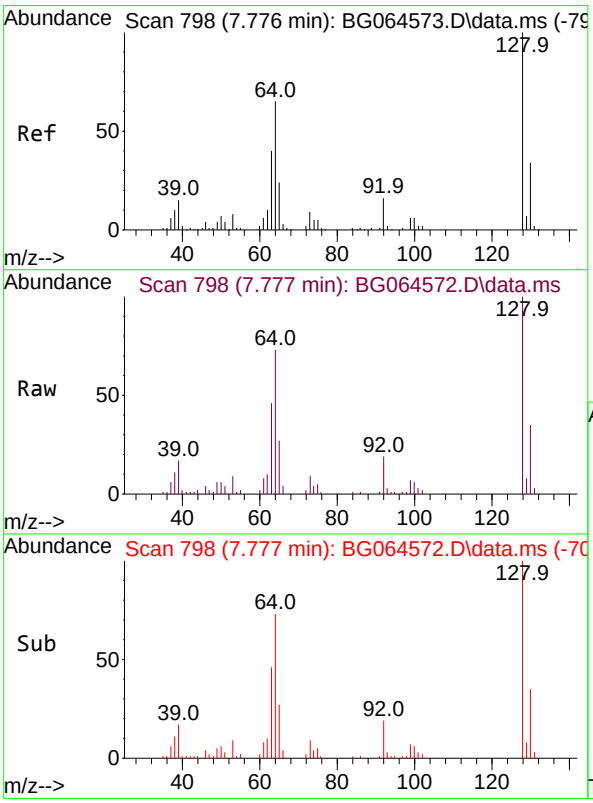
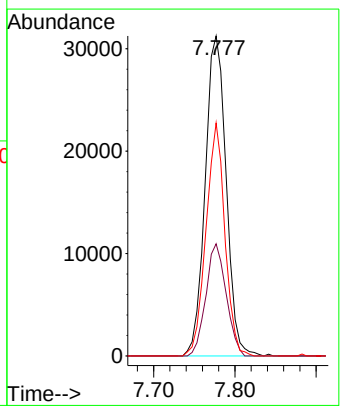
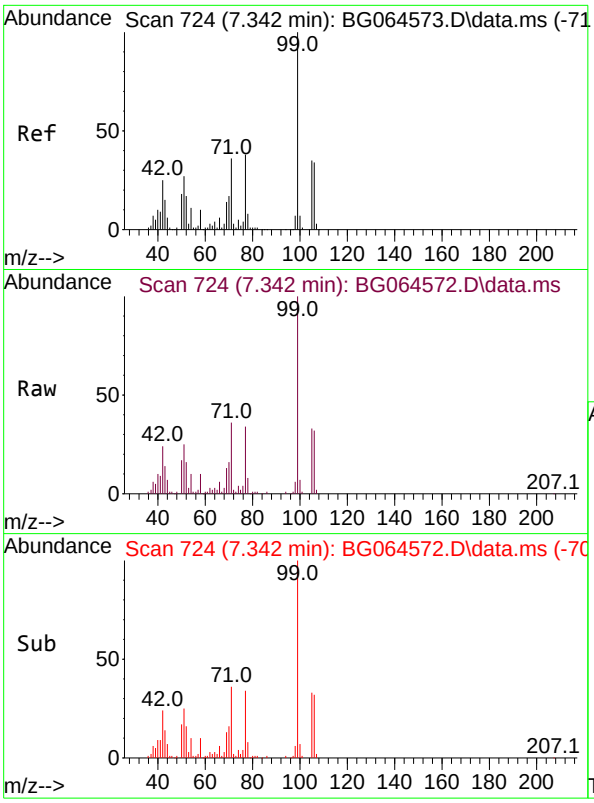


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 56018

Ion	Ratio	Lower	Upper
128	100		
130	35.0	13.5	53.5
64	72.8	45.2	85.2

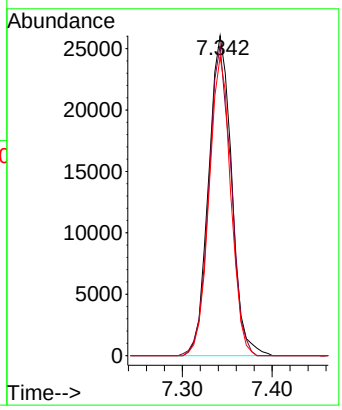




#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 4654

Ion	Ratio	Lower	Upper
77	100		
105	96.8	72.9	112.9
106	93.4	70.8	110.8



Instrument :
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ClientSampleId :
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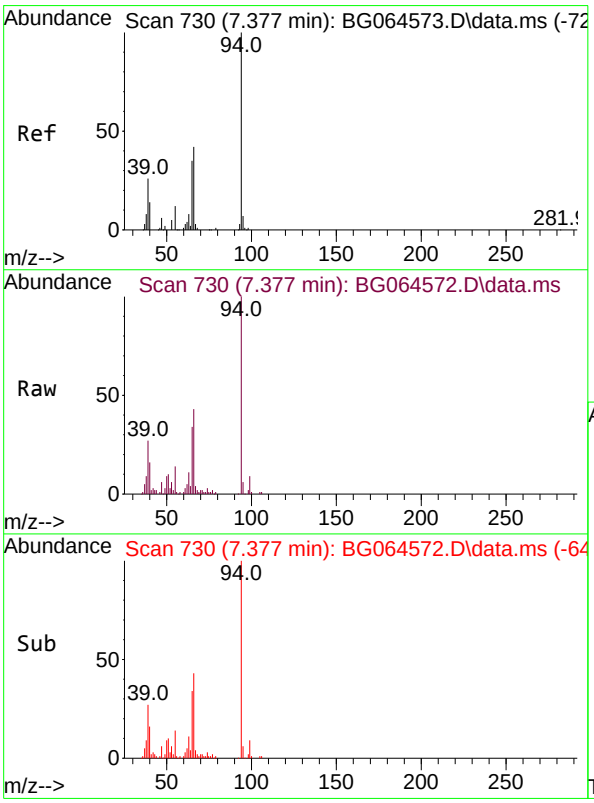
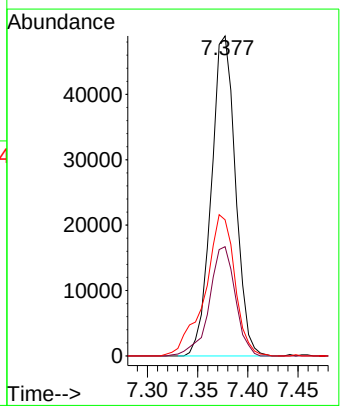
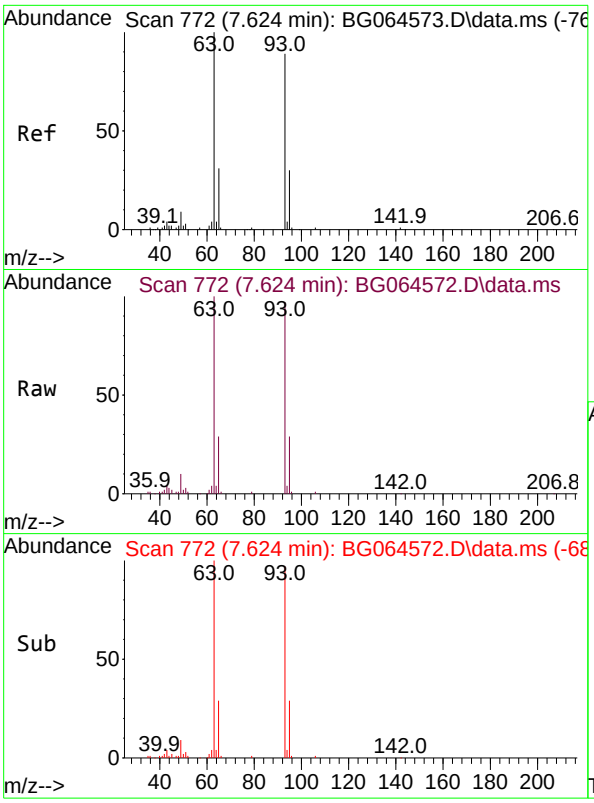


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 94 Resp: 81849

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	42.5	24.0	64.0

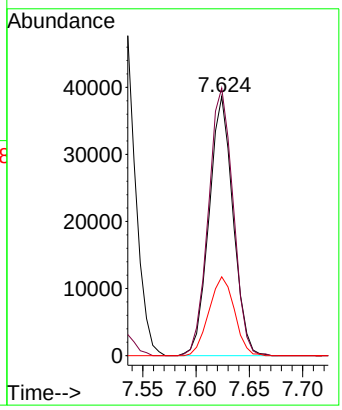




#11
bis(2-Chloroethyl)ether
Concen: 19.439 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 6049

Ion	Ratio	Lower	Upper
93	100		
63	103.3	91.3	131.3
95	30.4	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
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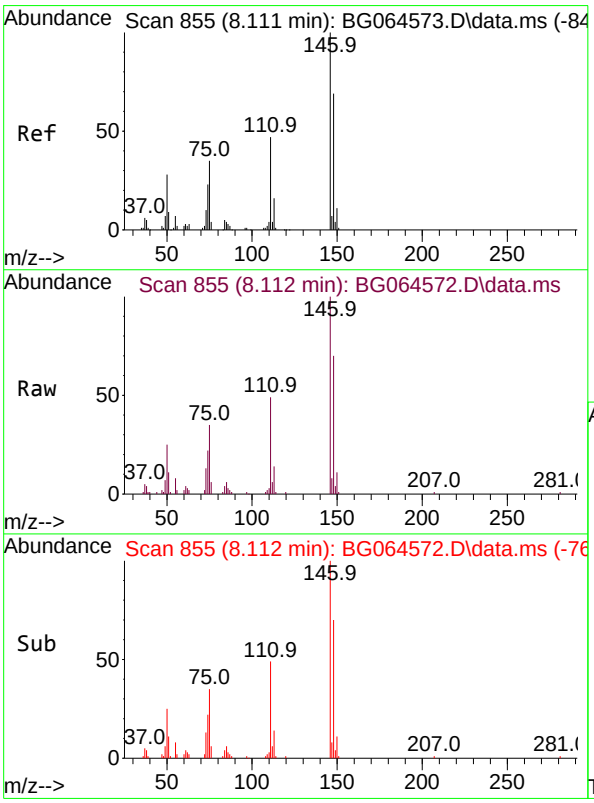
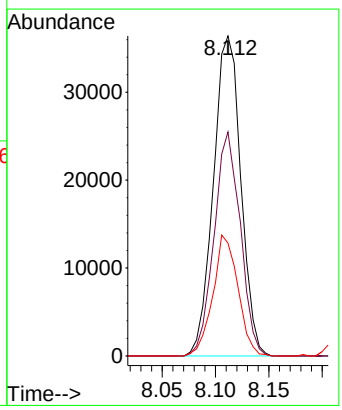
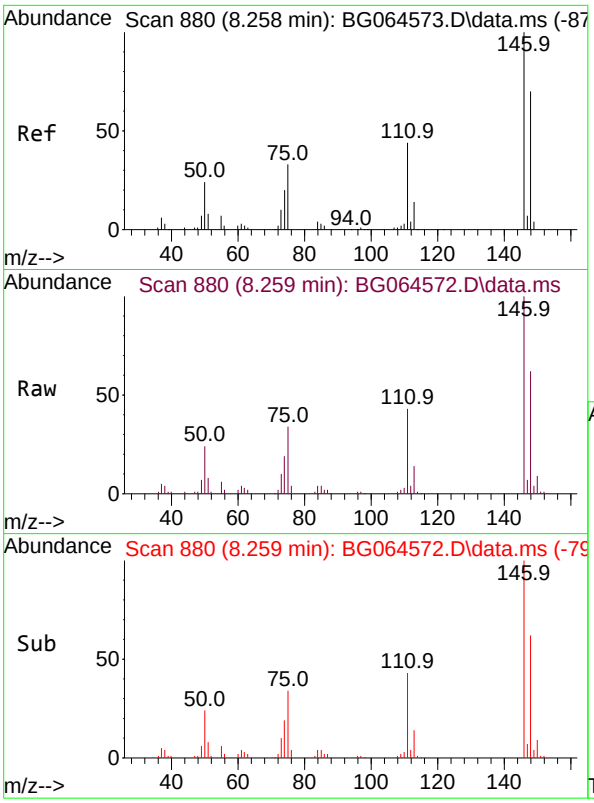


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 65241

Ion	Ratio	Lower	Upper
146	100		
148	70.0	55.3	82.9
75	35.2	28.2	42.2

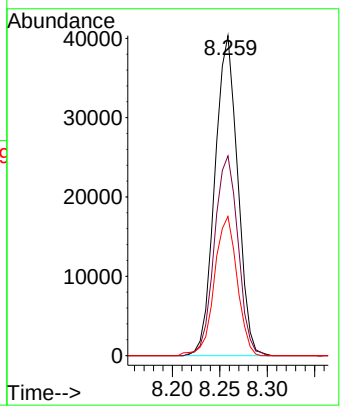




#13
1,4-Dichlorobenzene
Concen: 19.757 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 6750

Ion	Ratio	Lower	Upper
146	100		
148	62.4	56.2	84.4
111	43.5	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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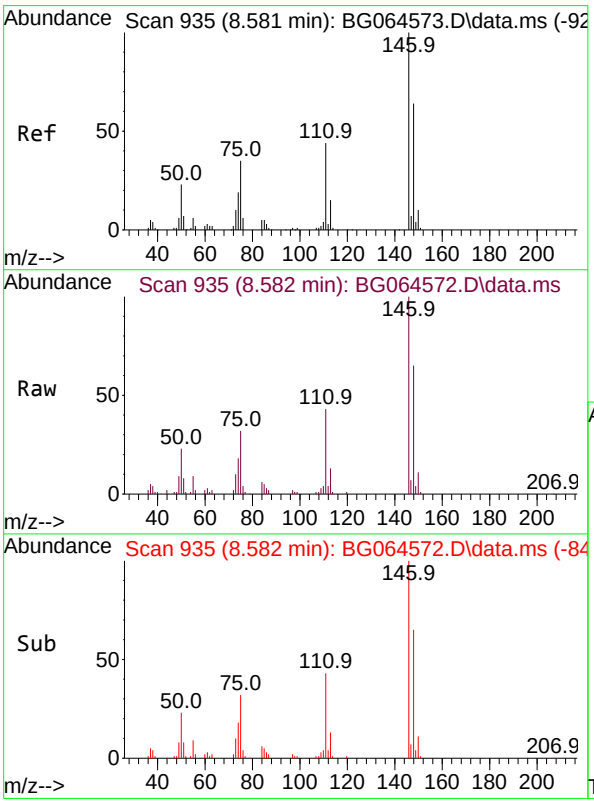
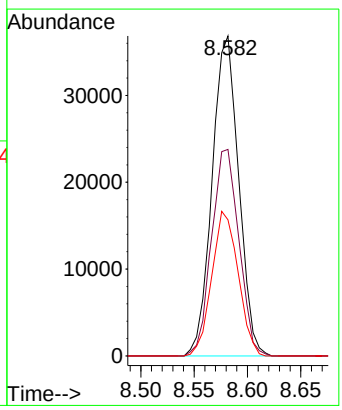
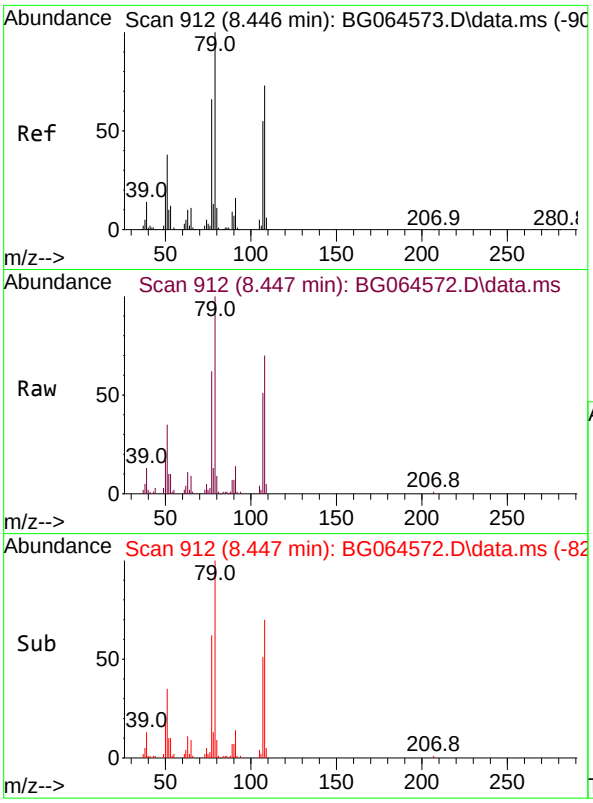


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 63867

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.5	77.3
111	42.5	35.0	52.6

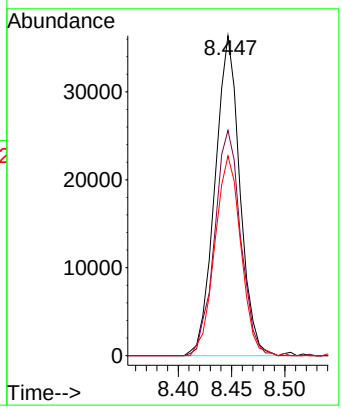




#15
Benzyl Alcohol
Concen: 18.732 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 5912

Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
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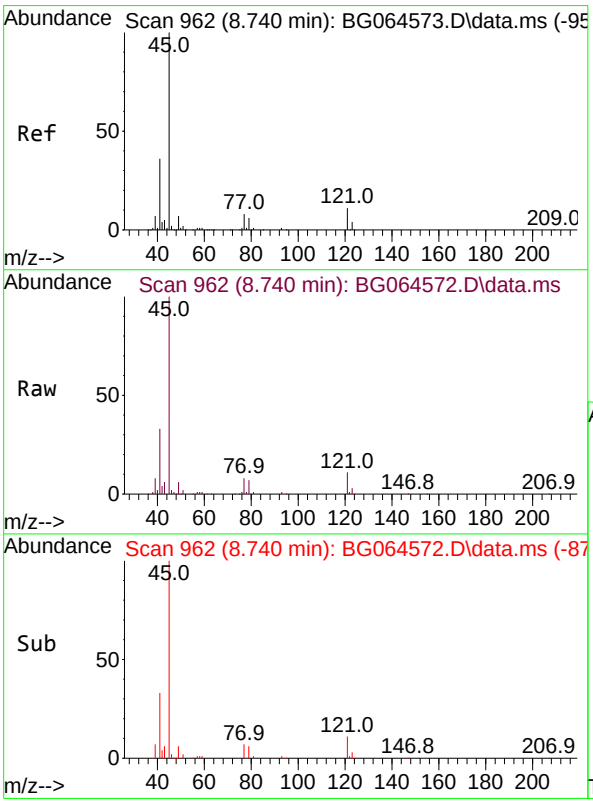
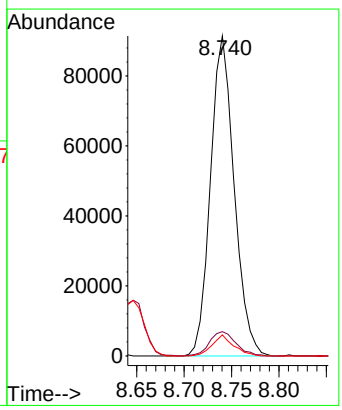
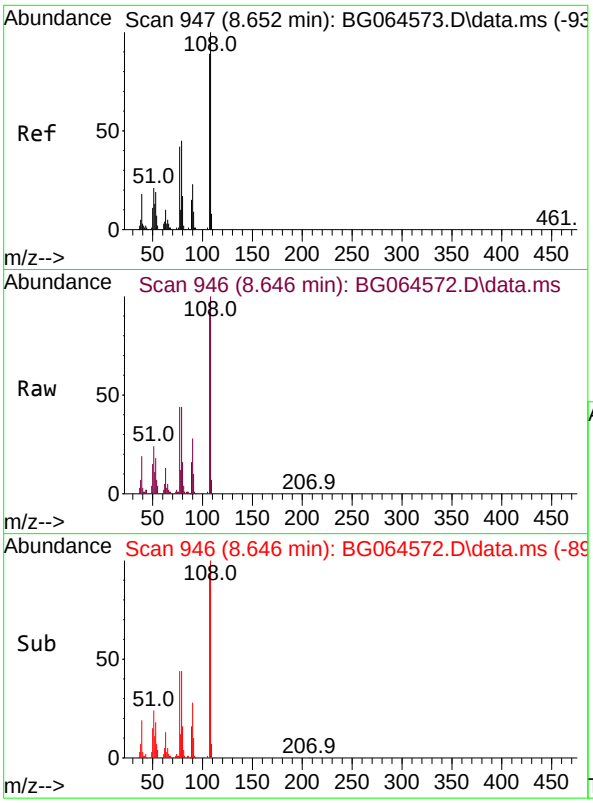


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 45 Resp: 158985

Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.6	0.0	25.6

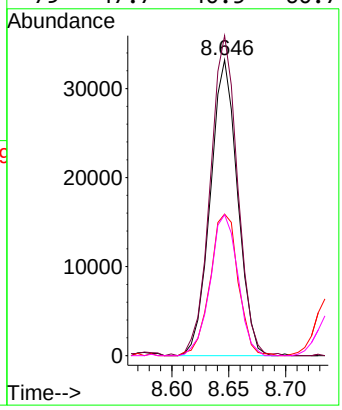




#17
2-Methylphenol
Concen: 19.632 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 5517

Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.0	135.0
77	47.9	37.8	56.8
79	47.7	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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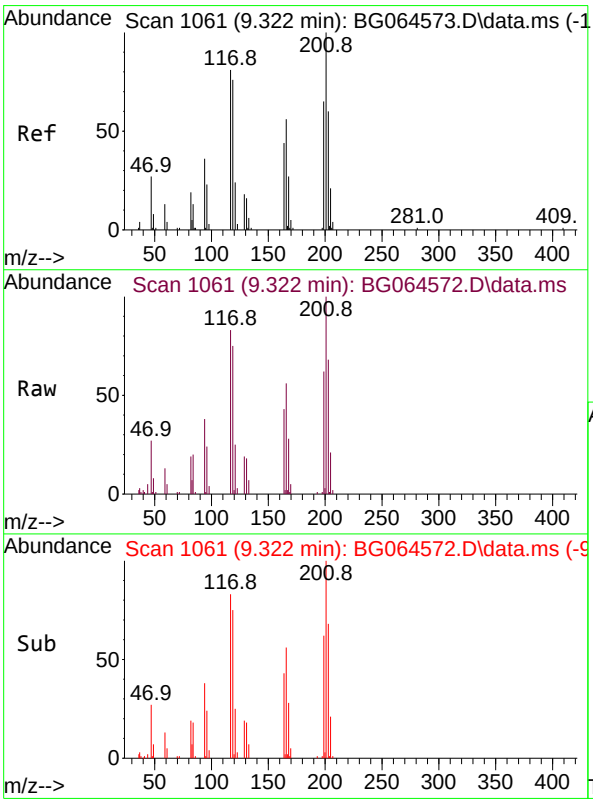
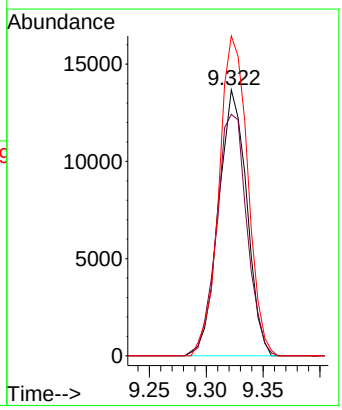
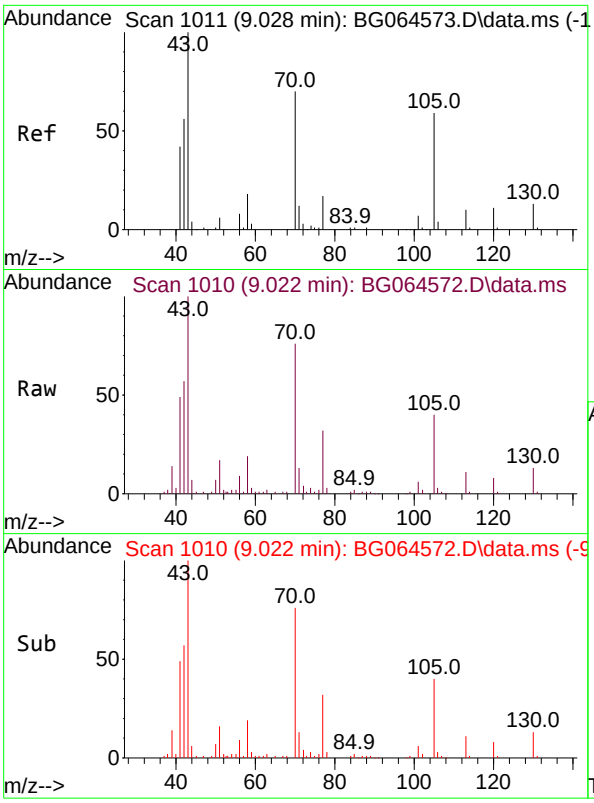


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:117 Resp: 23663

Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.4	113.2
201	120.3	99.2	148.8

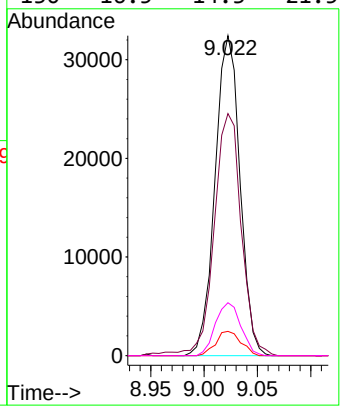




#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 70 Resp: 5285

Ion	Ratio	Lower	Upper
70	100		
42	75.6	65.2	97.8
101	7.6	7.9	11.9#
130	16.5	14.3	21.5



Instrument :
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ClientSampleId :
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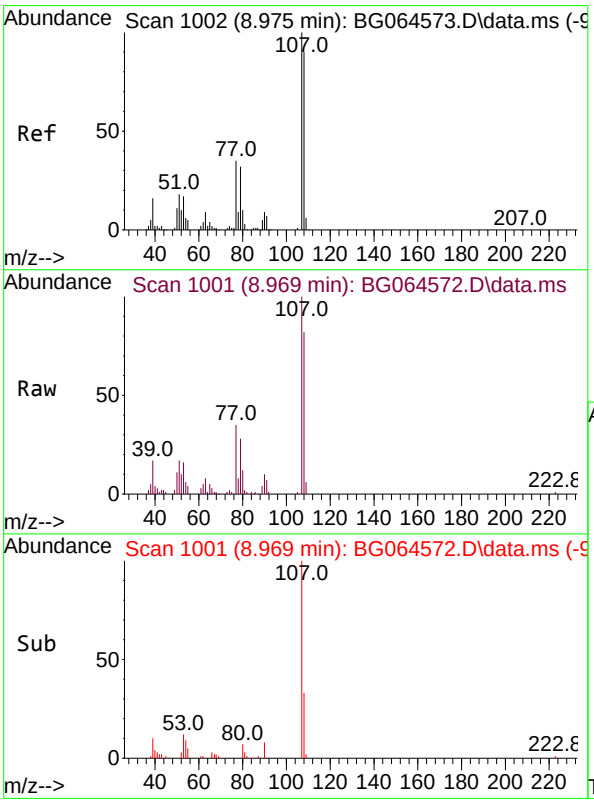
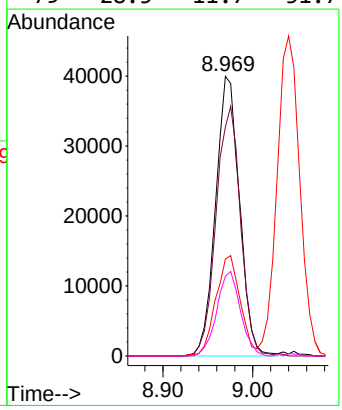
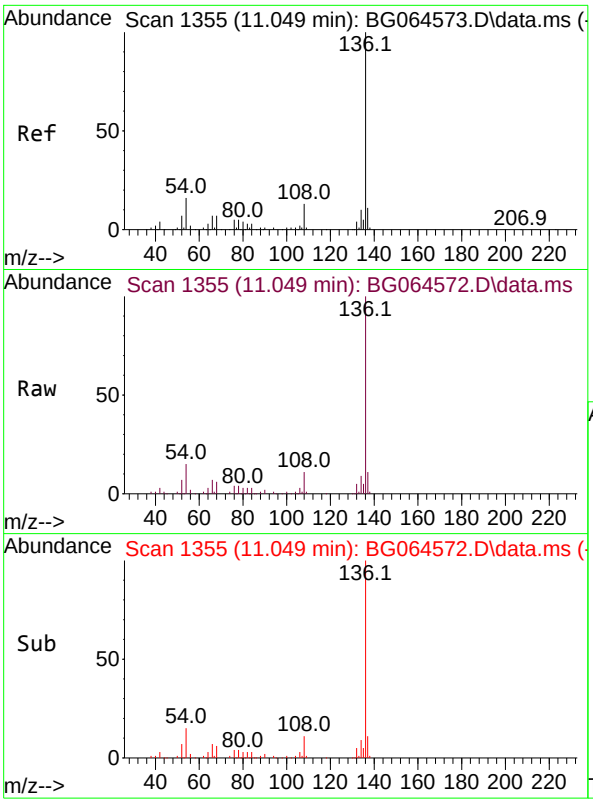


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

Ion	Ratio	Lower	Upper
107	100		
108	81.9	70.3	110.3
77	34.6	14.6	54.6
79	28.5	11.7	51.7

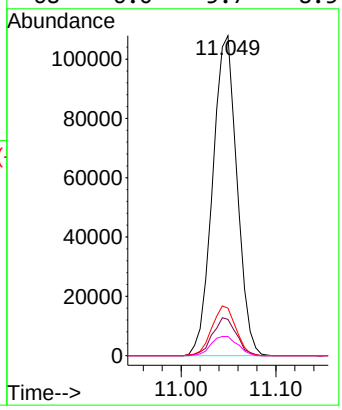




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:136 Resp: 19255

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	14.8	12.6	19.0
68	6.0	5.7	8.5



Instrument :
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ClientSampleId :
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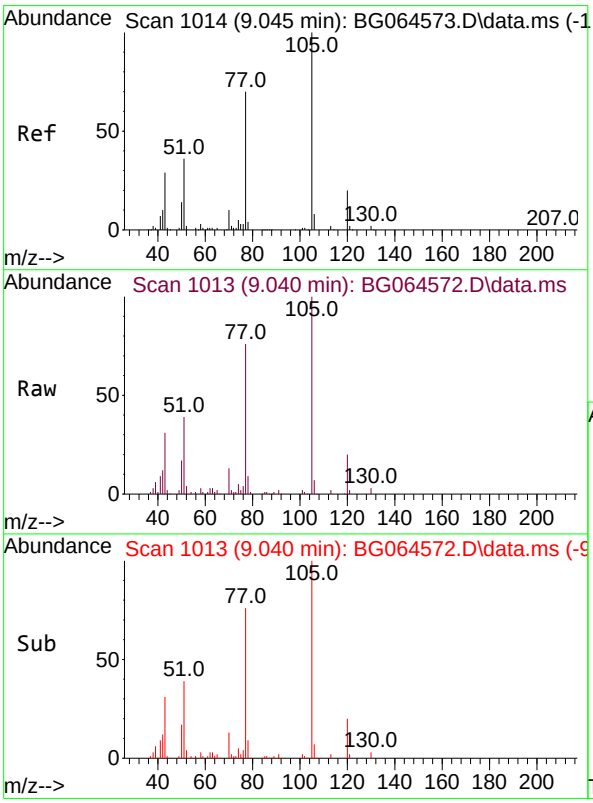
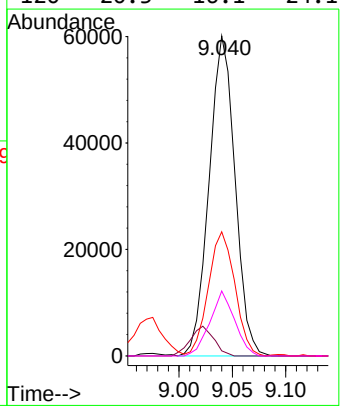
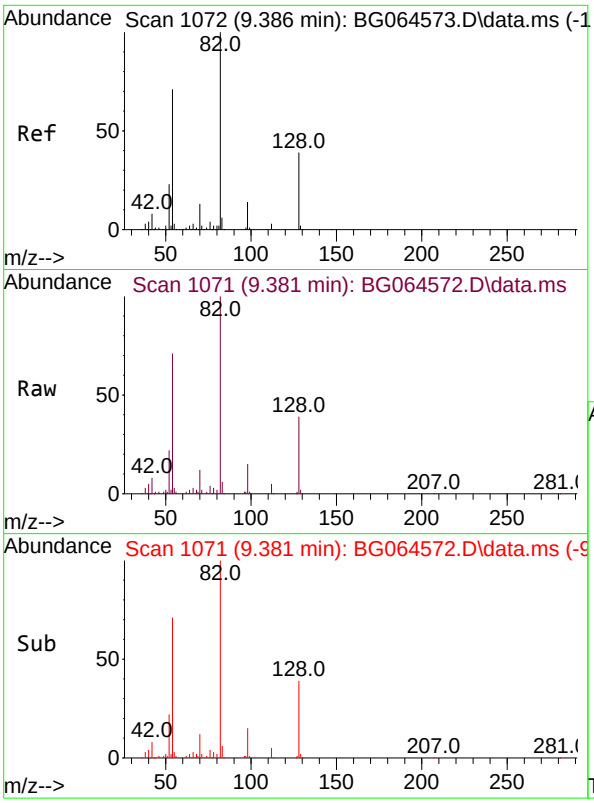


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:105 Resp: 101737

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.5	2.3
51	38.8	33.7	50.5
120	20.3	16.1	24.1

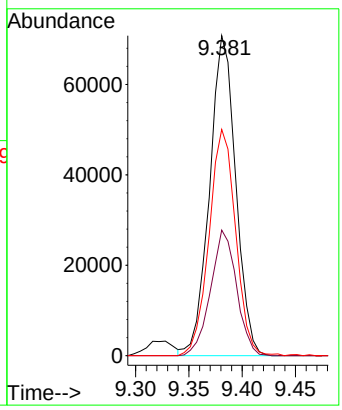




#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 12110

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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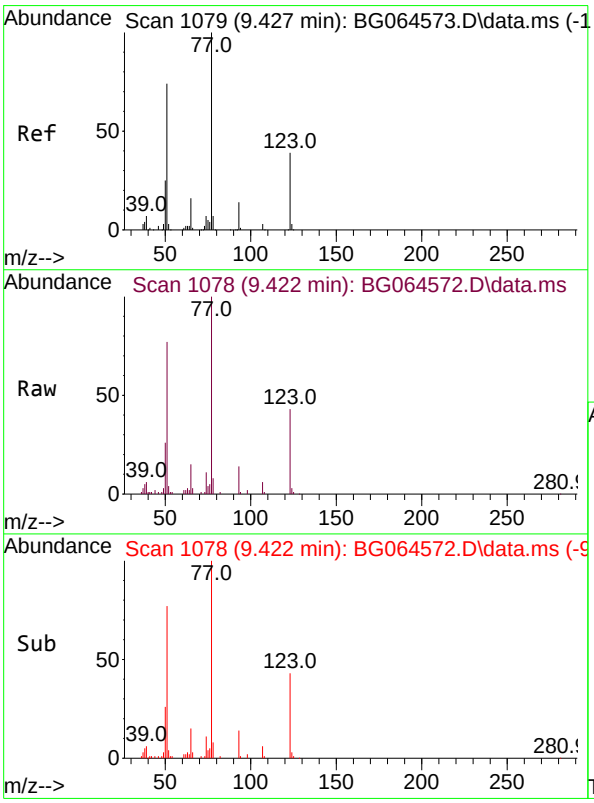
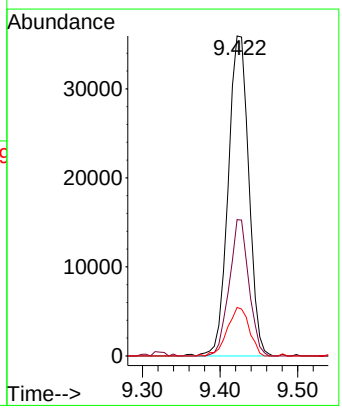
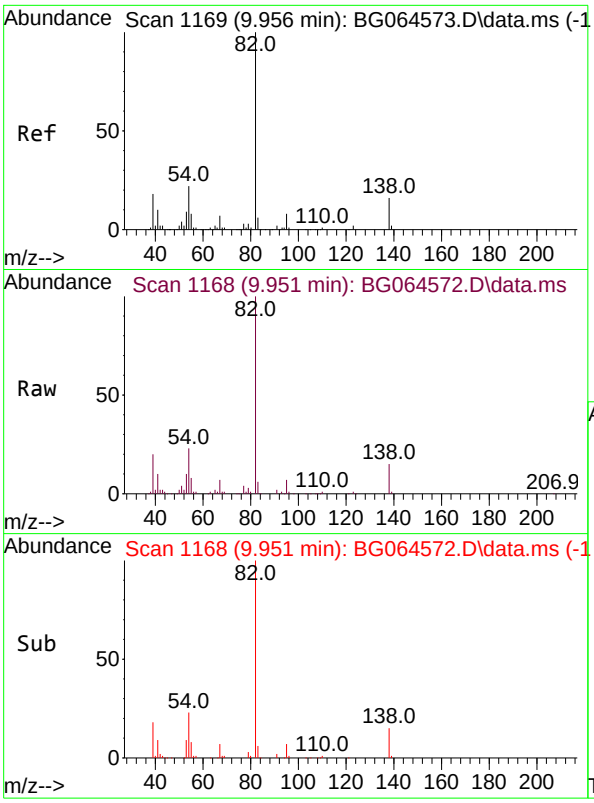


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 66292

Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.0	46.6
65	15.1	12.7	19.1

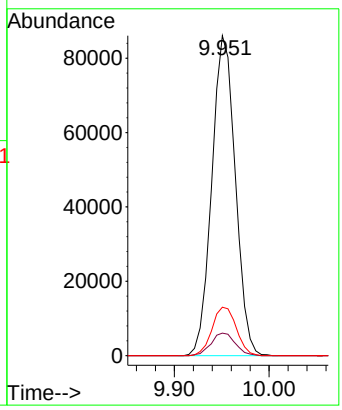




#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 14838

Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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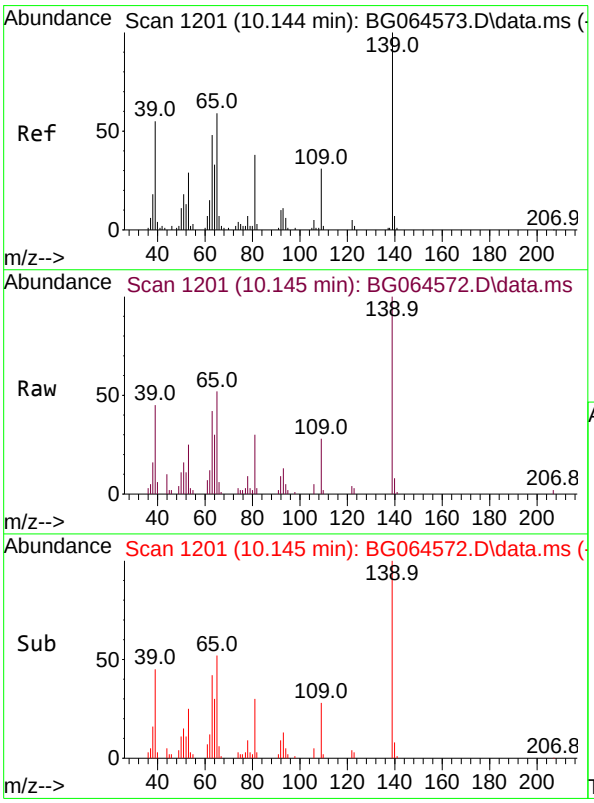
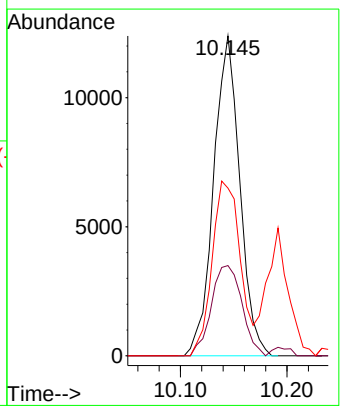
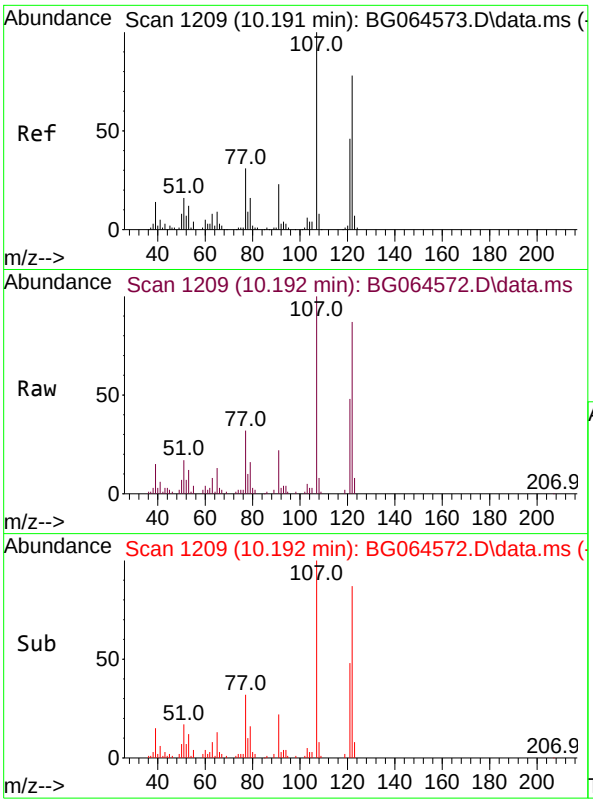


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 21166

Ion	Ratio	Lower	Upper
139	100		
109	28.2	24.6	37.0
65	52.4	47.5	71.3

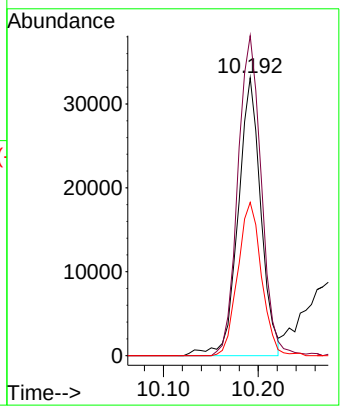




#27
2,4-Dimethylphenol
Concen: 19.211 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 5497

Ion	Ratio	Lower	Upper
122	100		
107	115.2	103.0	154.4
121	55.1	47.8	71.8



Instrument :
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ClientSampleId :
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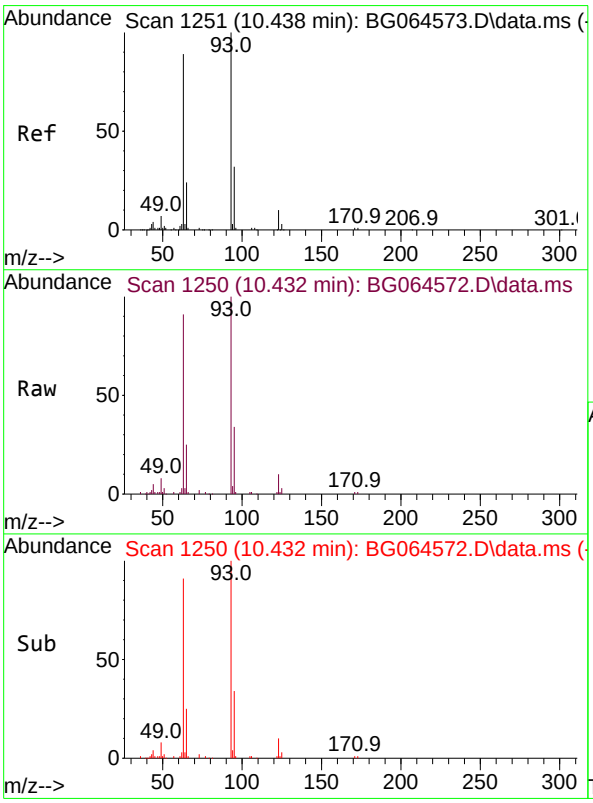
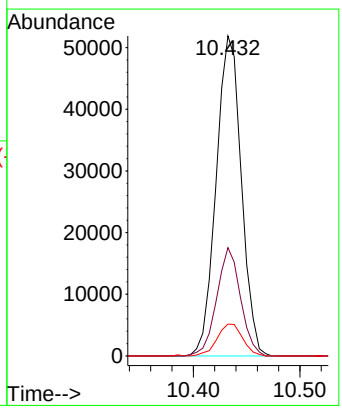
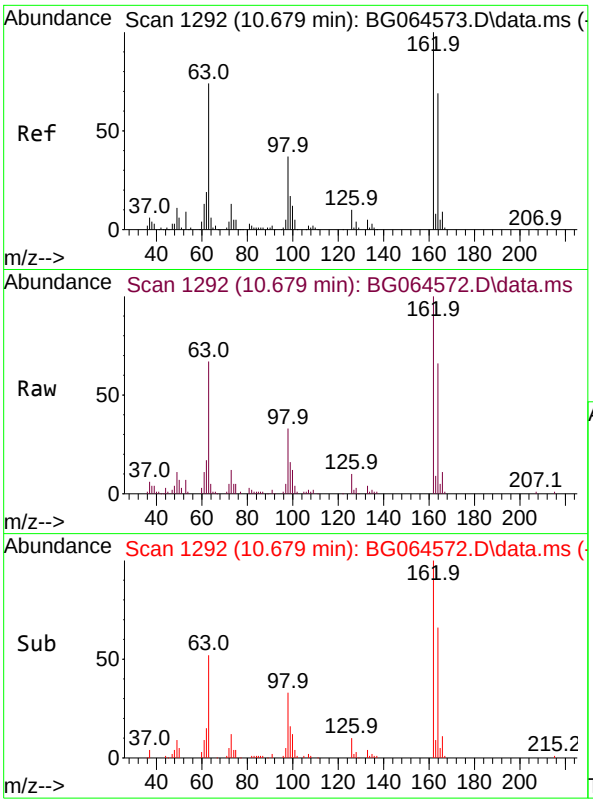


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 85225

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	9.9	8.4	12.6

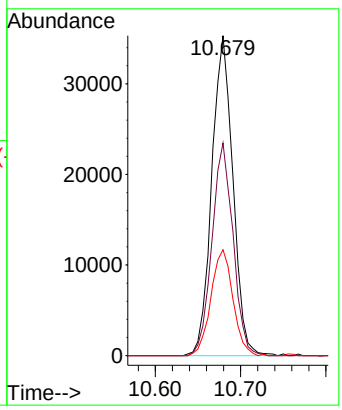




#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 6069

Ion	Ratio	Lower	Upper
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9



Instrument :
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ClientSampleId :
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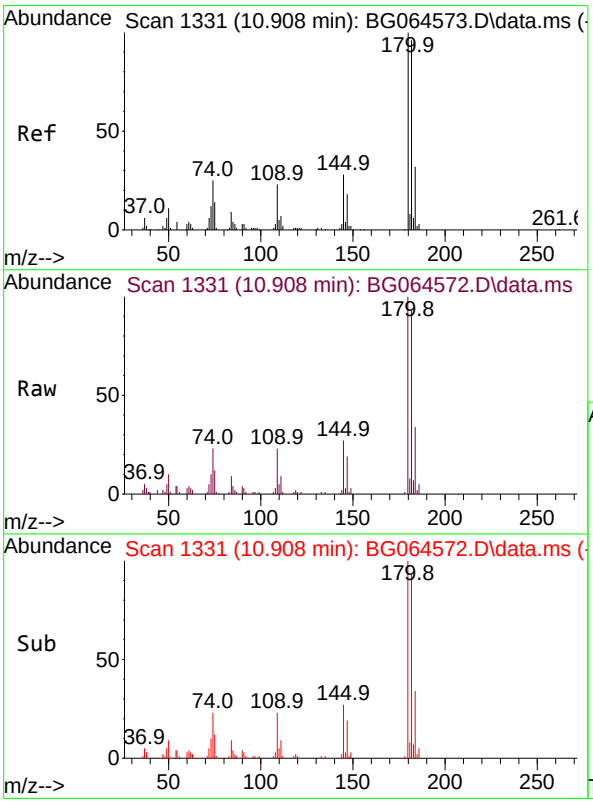
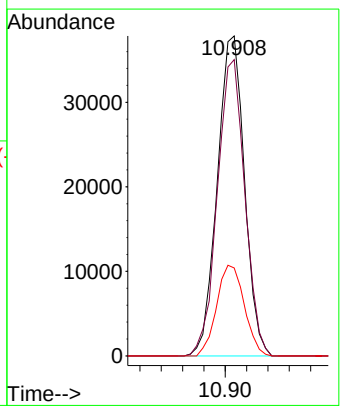
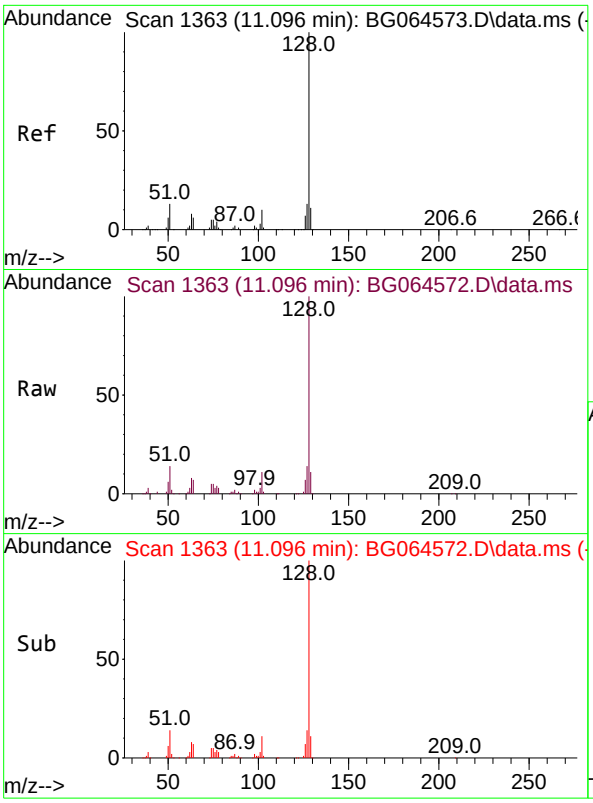


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:180 Resp: 67078

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1

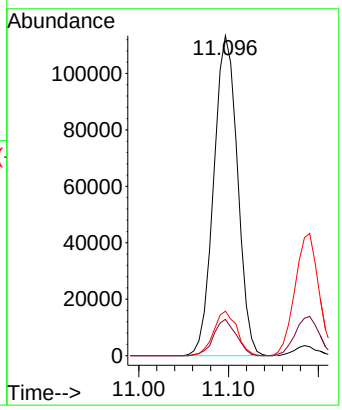




#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 20873

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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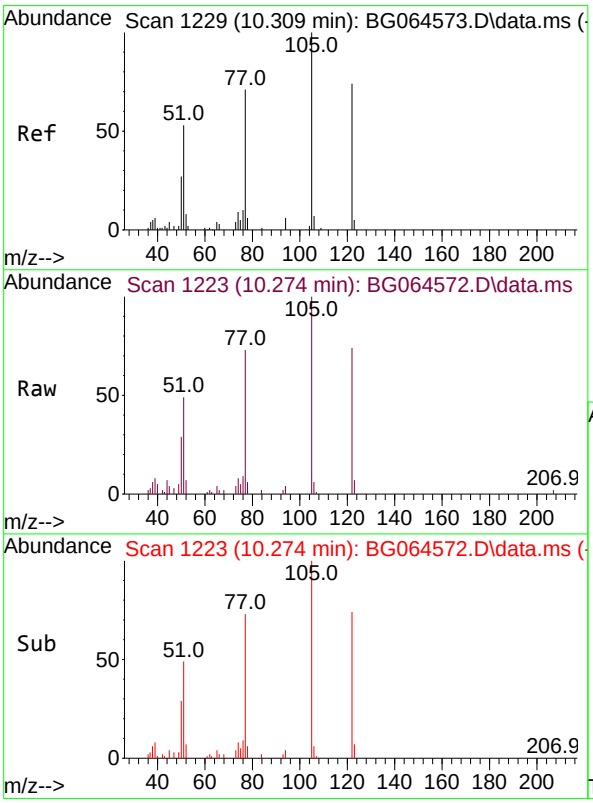
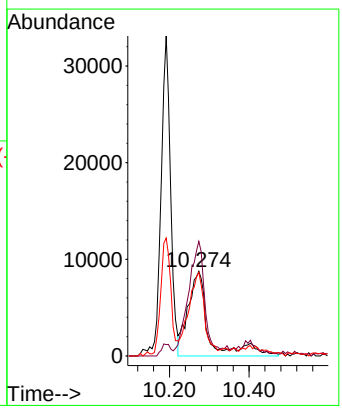
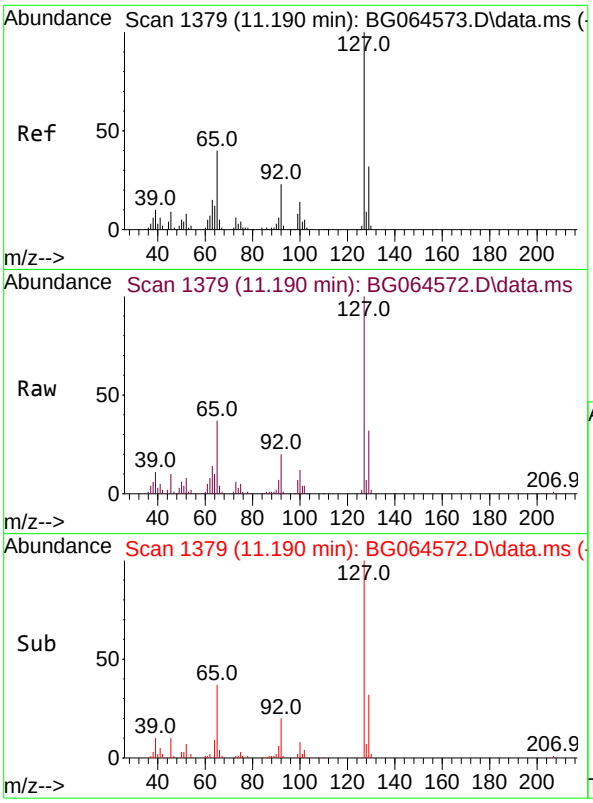


#32
Benzoic acid
Concen: 18.155 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.035 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 31567

Ion	Ratio	Lower	Upper
122	100		
105	135.4	104.2	144.2
77	99.0	70.2	110.2

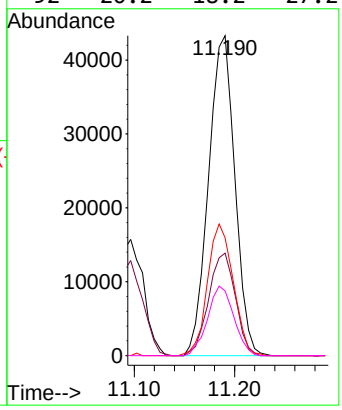




#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:127 Resp: 7906

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	36.8	32.2	48.4
92	20.2	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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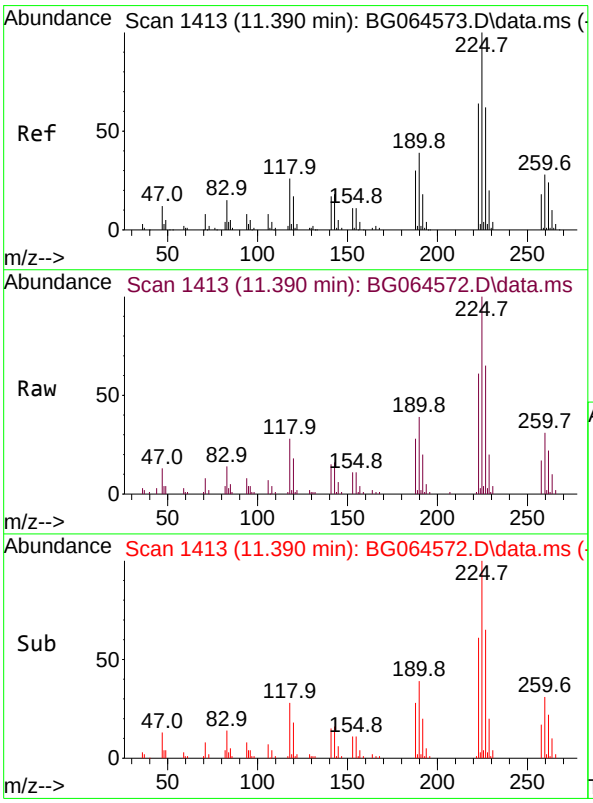
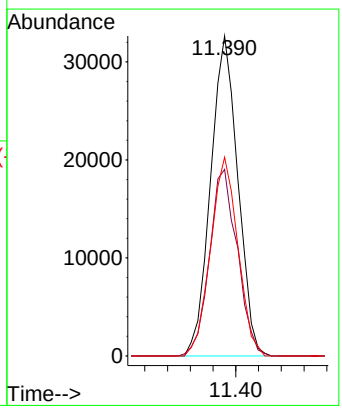
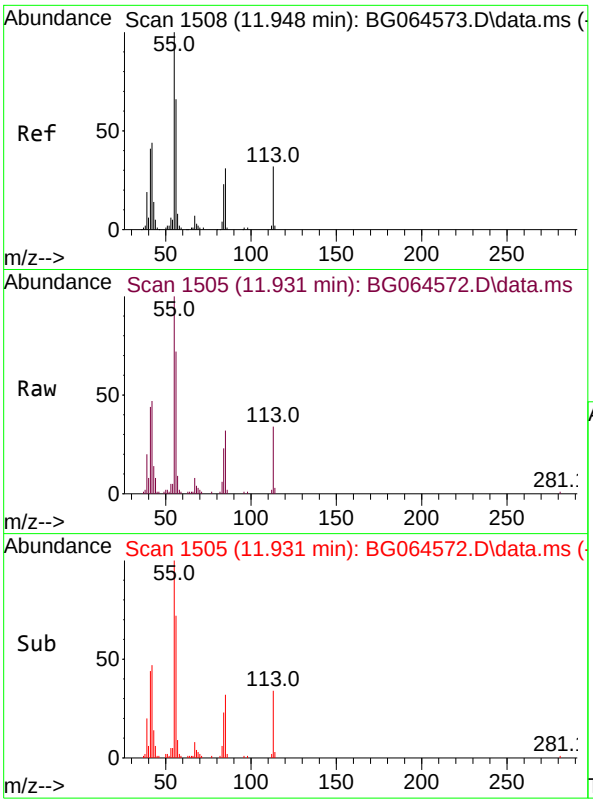


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:225 Resp: 54233

Ion	Ratio	Lower	Upper
225	100		
223	58.3	48.8	73.2
227	62.1	49.5	74.3





#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:113 Resp: 2201

Ion	Ratio	Lower	Upper
113	100		
55	295.5	290.1	330.1
56	212.3	183.8	223.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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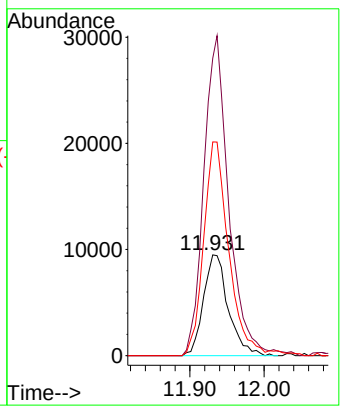
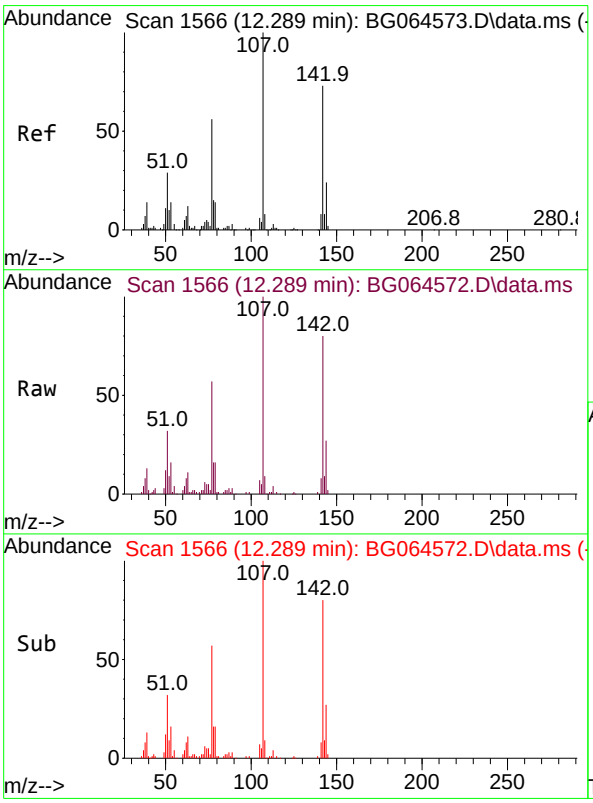
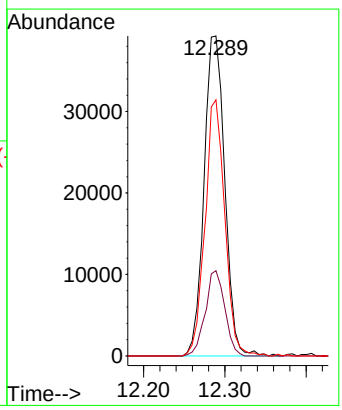


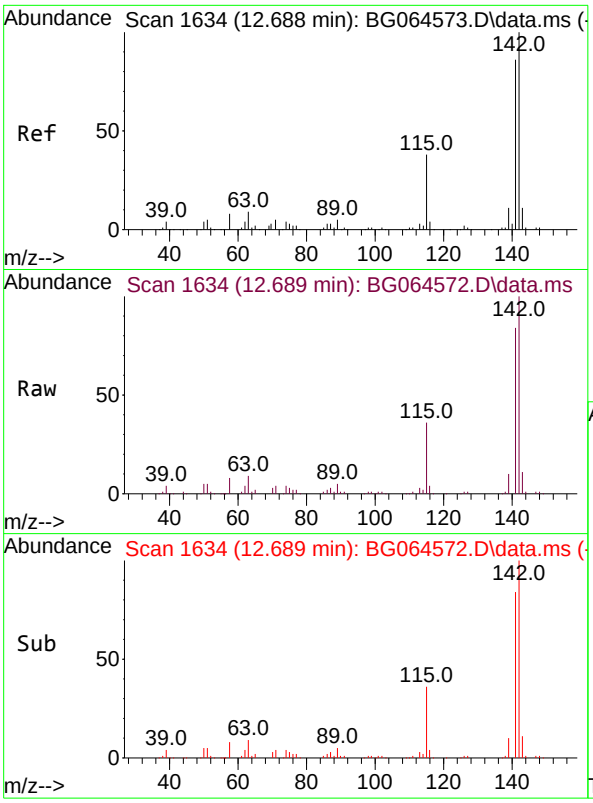


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 69582

Ion	Ratio	Lower	Upper
107	100		
144	26.6	19.1	28.7
142	80.0	58.6	87.8

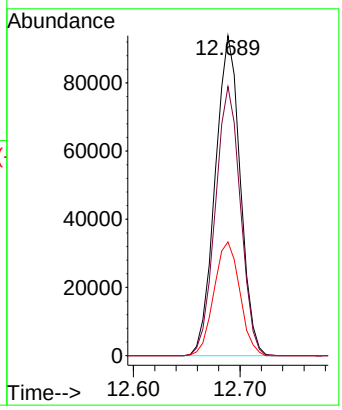




#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 15344

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.9	103.3
115	35.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
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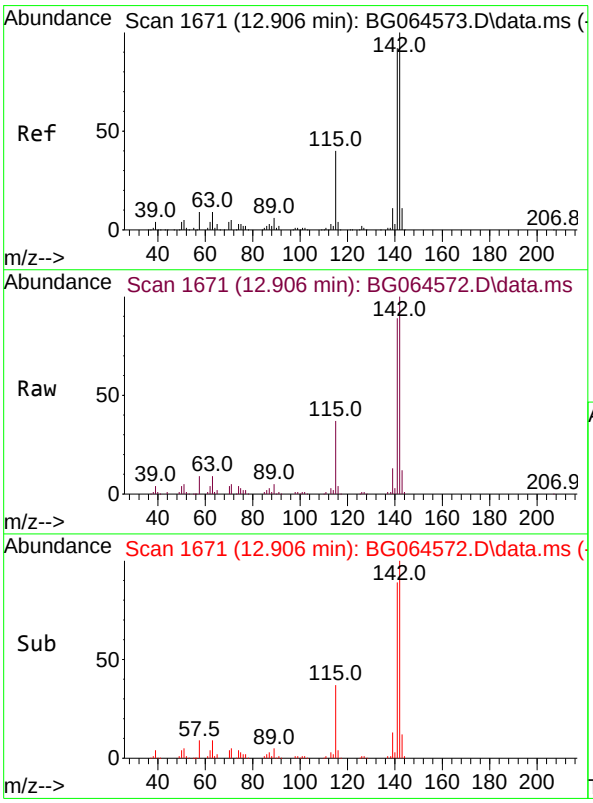
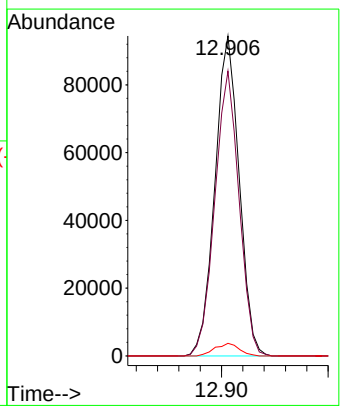
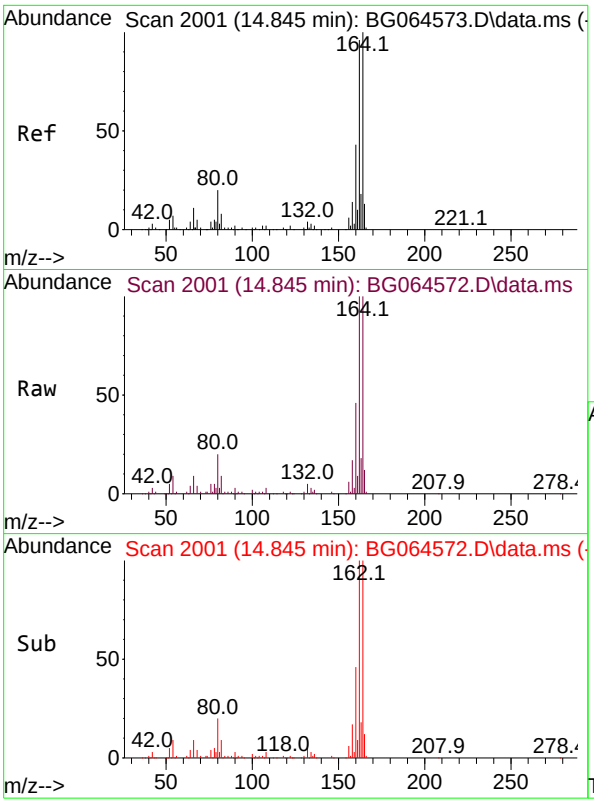


#38
1-Methylnaphthalene
Concen: 19.266 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 149456

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.3	109.9
116	3.9	3.1	4.7

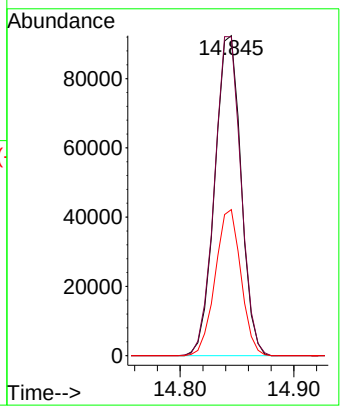




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:164 Resp: 14752

Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.0	115.6
160	45.6	34.4	51.6



Instrument :
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ClientSampleId :
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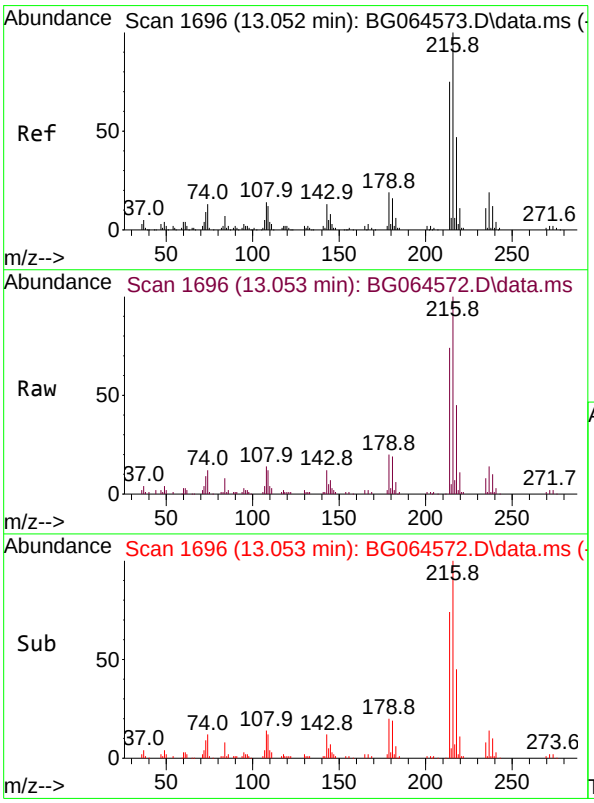
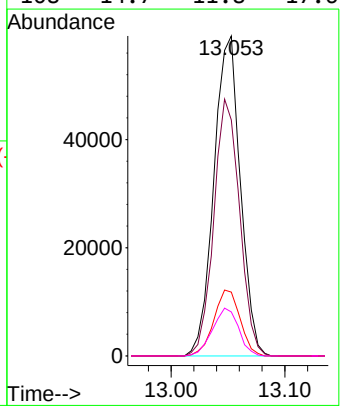
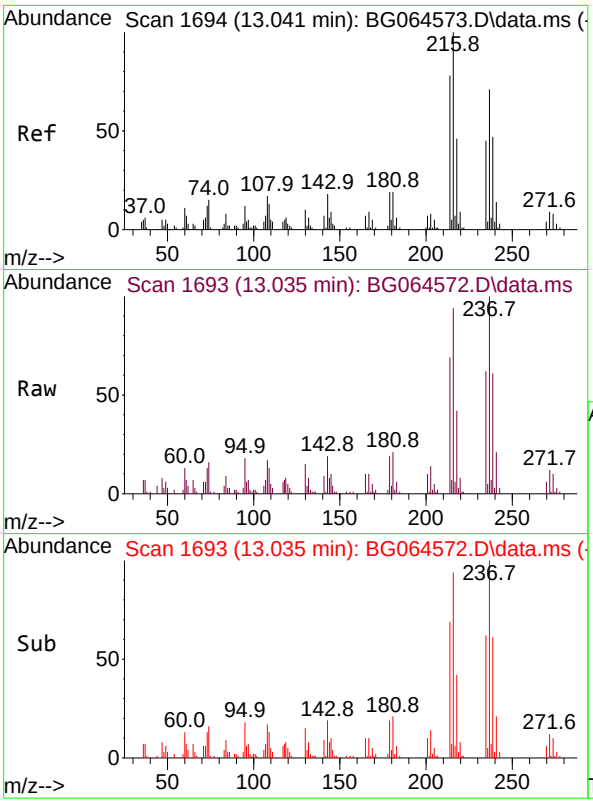


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:216 Resp: 95653

Ion	Ratio	Lower	Upper
216	100		
214	78.1	61.4	92.2
179	20.4	15.4	23.0
108	14.7	11.8	17.6

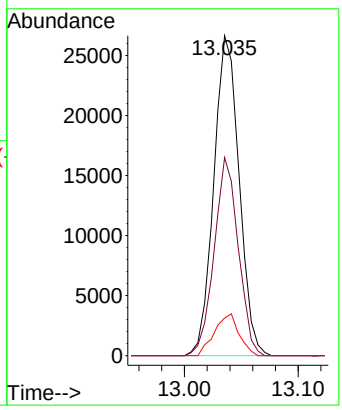




#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:237 Resp: 4117

Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.1	84.1
272	11.7	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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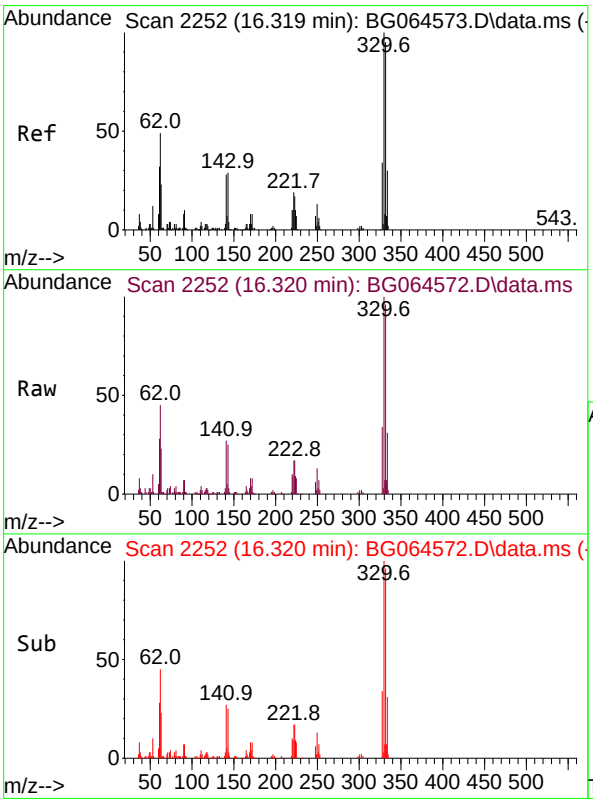
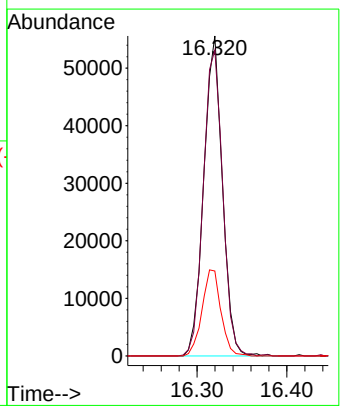
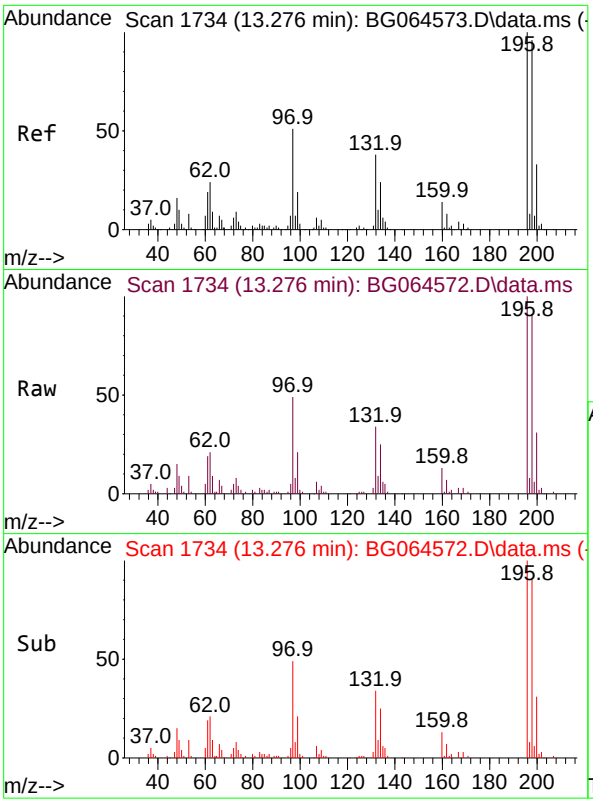


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:330 Resp: 80231

Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.0	117.0
141	27.2	21.8	32.6

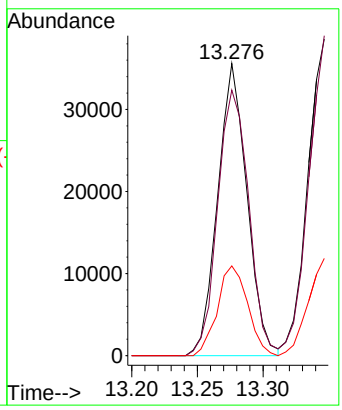




#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 5529

Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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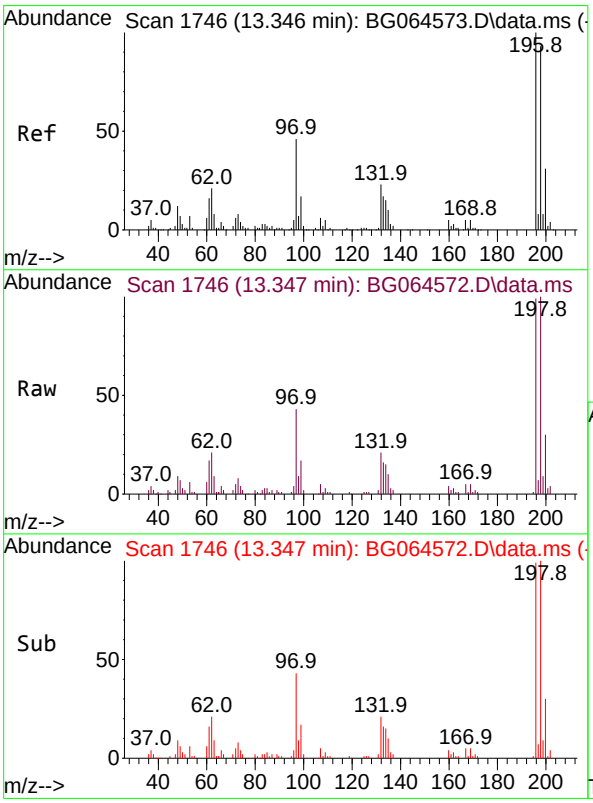
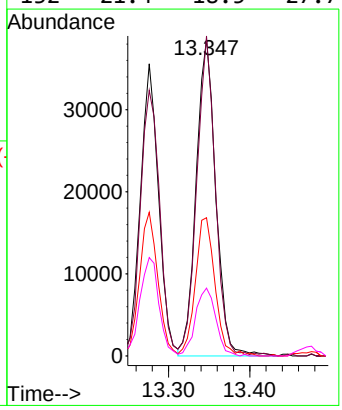
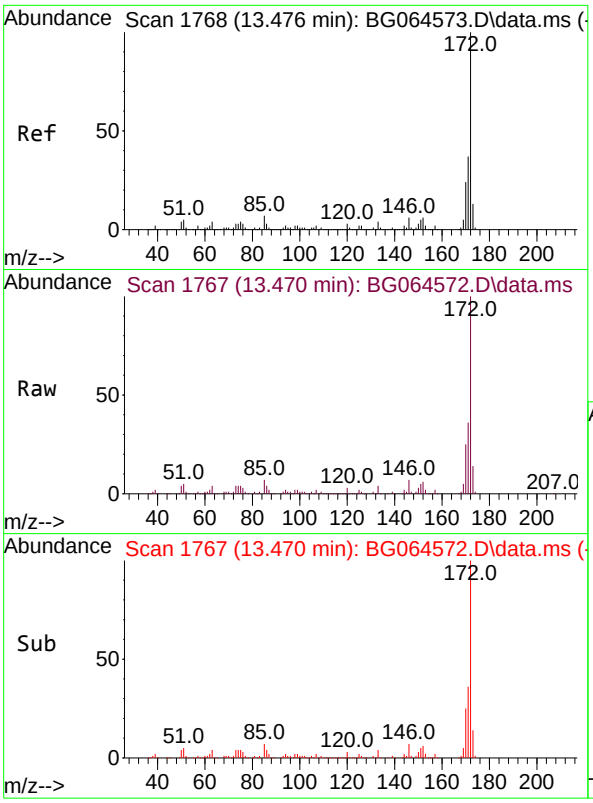


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 64753

Ion	Ratio	Lower	Upper
196	100		
198	101.1	74.2	111.4
97	43.6	37.0	55.6
132	21.4	18.5	27.7

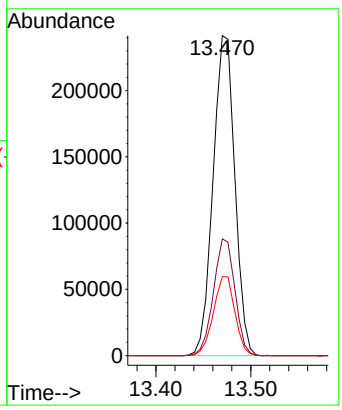




#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:172 Resp: 38525

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.1	28.7



Instrument :
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ClientSampleId :
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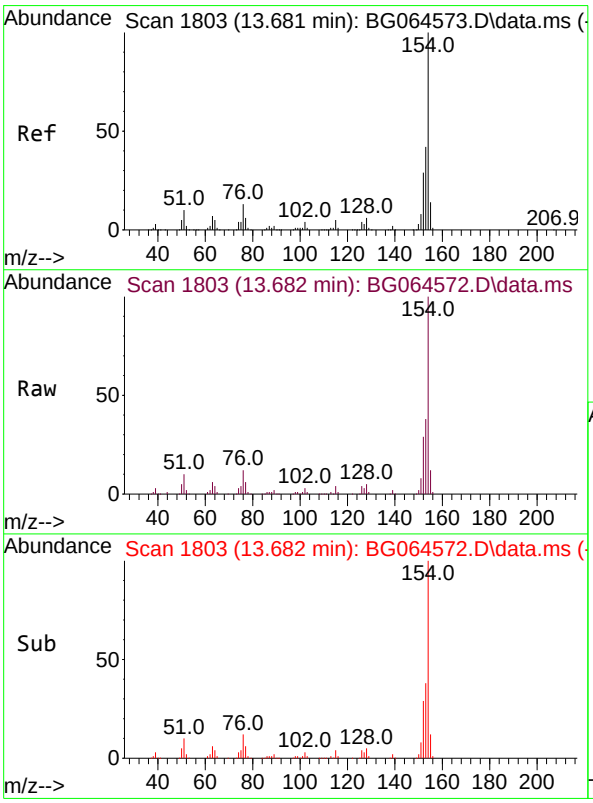
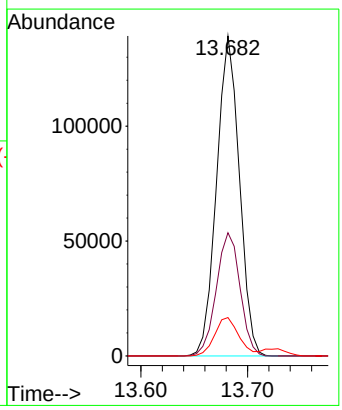
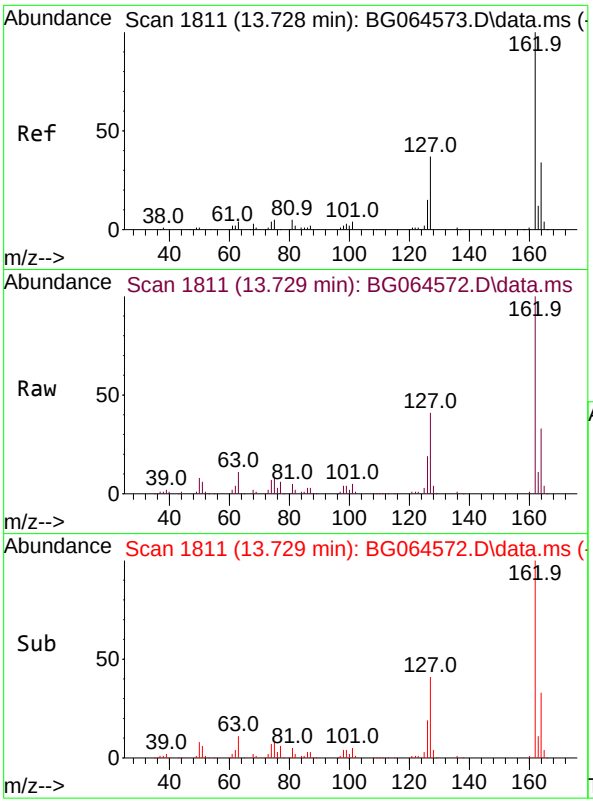


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 206656

Ion	Ratio	Lower	Upper
154	100		
153	38.5	22.4	62.4
76	12.0	0.0	33.5

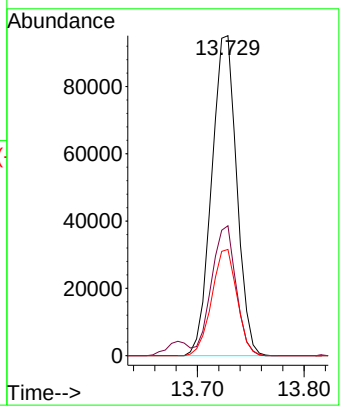




#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 15535

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3



Instrument :
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ClientSampleId :
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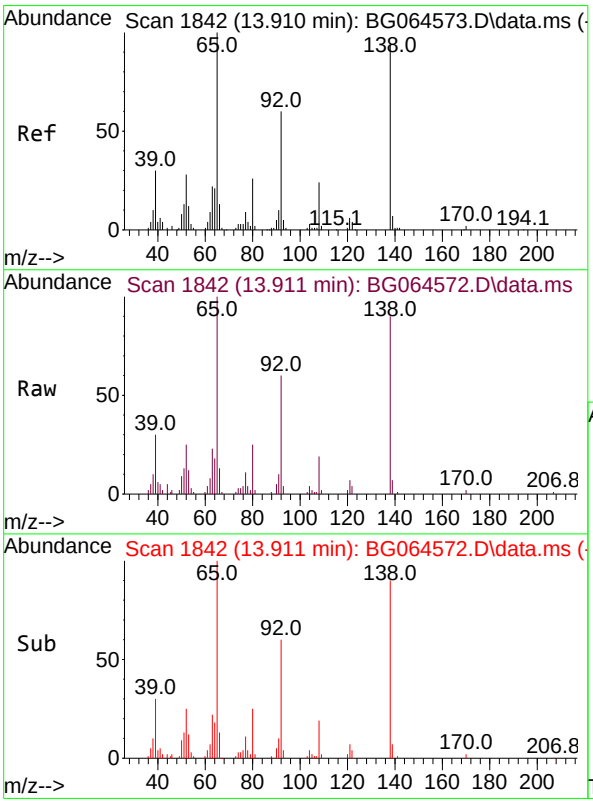
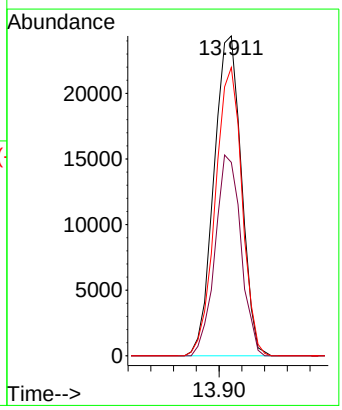
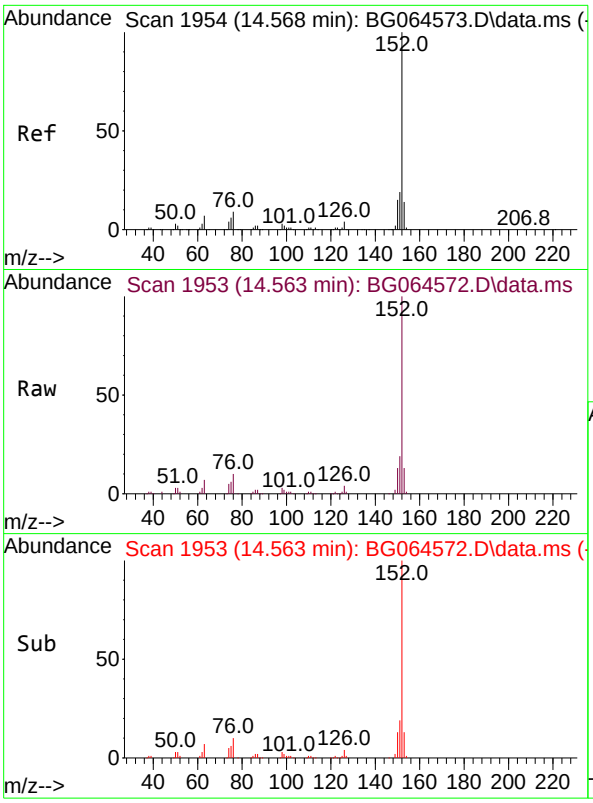


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 65 Resp: 40854

Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.3	72.5
138	90.1	74.9	112.3

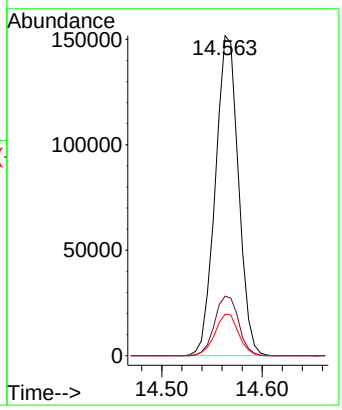




#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 242914

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.9	11.0	16.4



Instrument :
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ClientSampleId :
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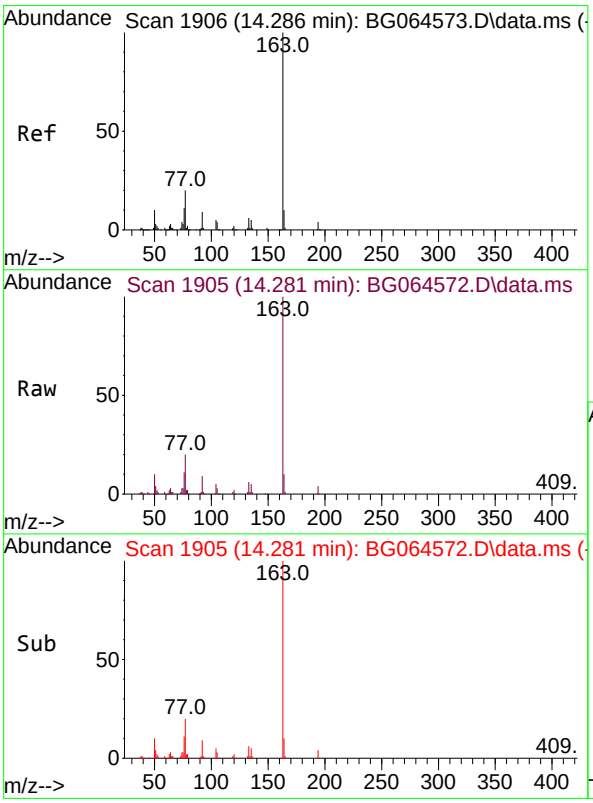
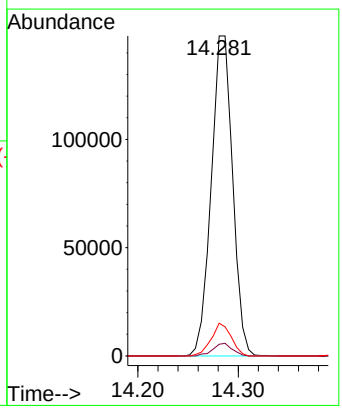
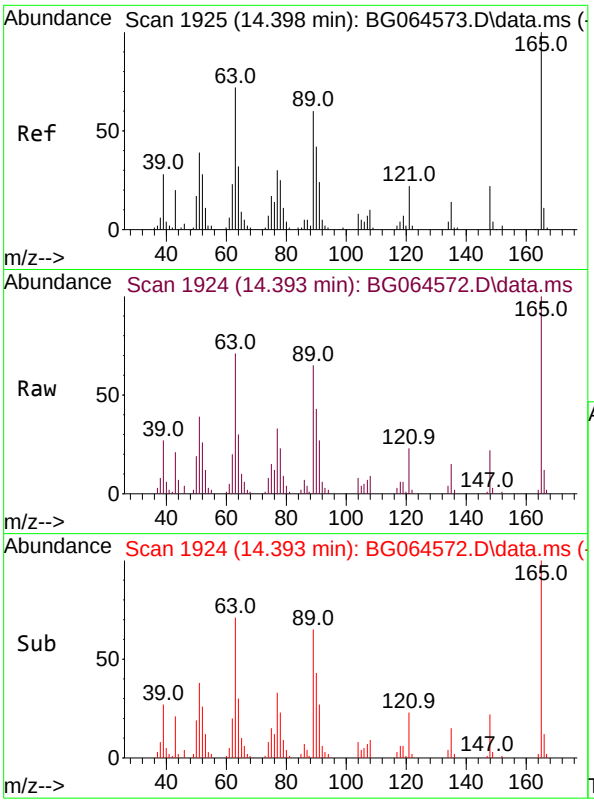


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:163 Resp: 219575

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.2	7.7	11.5

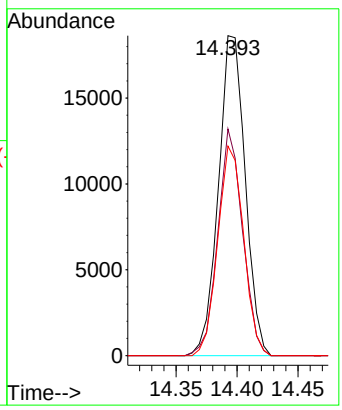




#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 2842

Ion	Ratio	Lower	Upper
165	100		
63	70.8	57.4	86.0
89	65.5	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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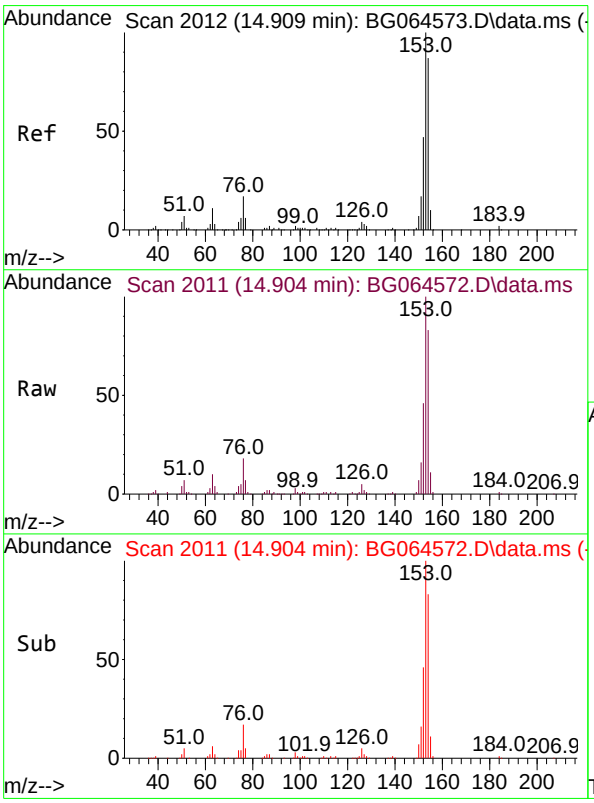
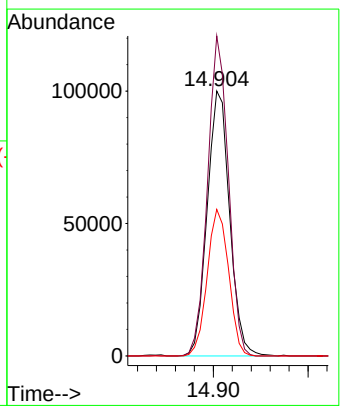
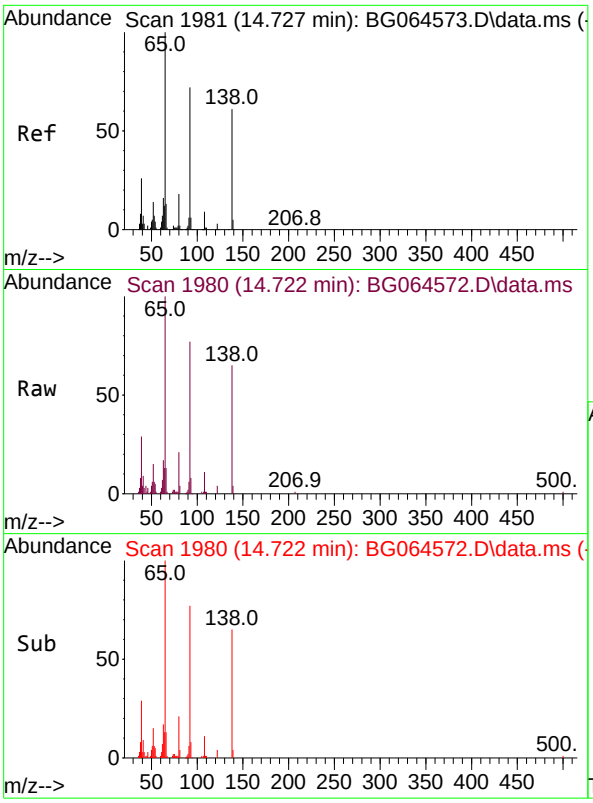


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 164542

Ion	Ratio	Lower	Upper
154	100		
153	120.8	92.2	138.4
152	55.3	43.2	64.8

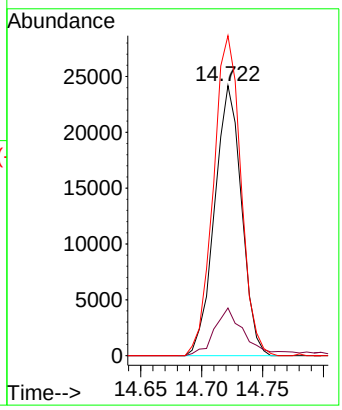




#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 3723

Ion	Ratio	Lower	Upper
138	100		
108	17.6	11.4	17.0#
92	118.5	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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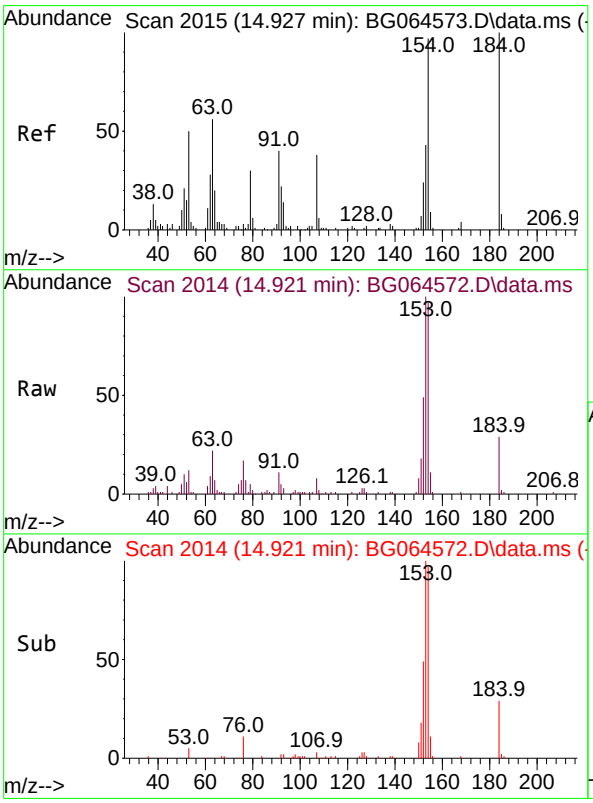
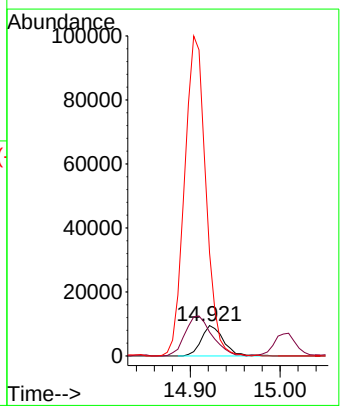
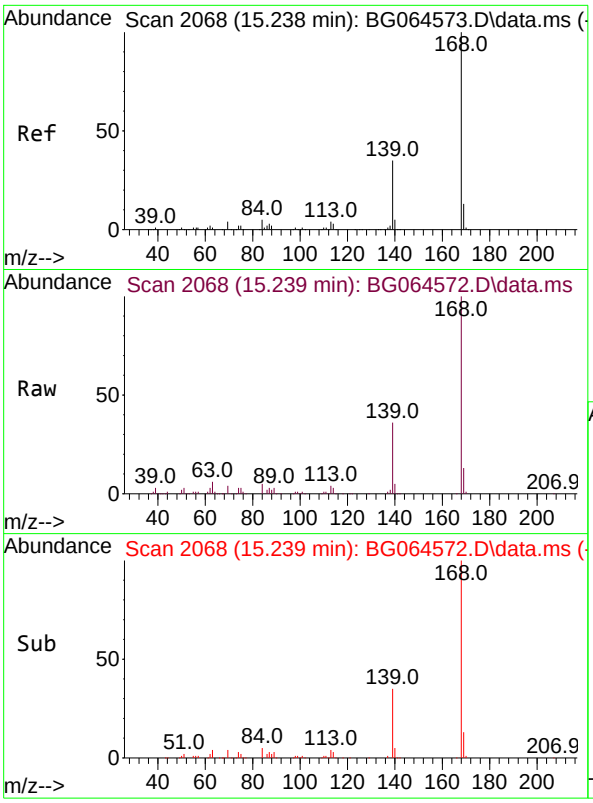


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 16182

Ion	Ratio	Lower	Upper
184	100		
63	78.3	56.6	85.0
154	339.0	158.6	238.0#

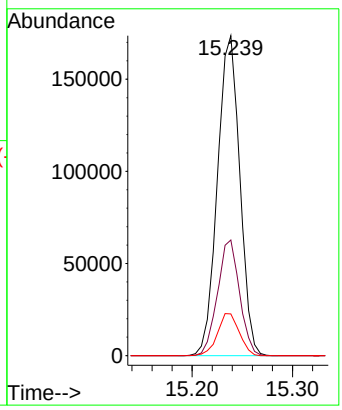




#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:168 Resp: 26941

Ion	Ratio	Lower	Upper
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
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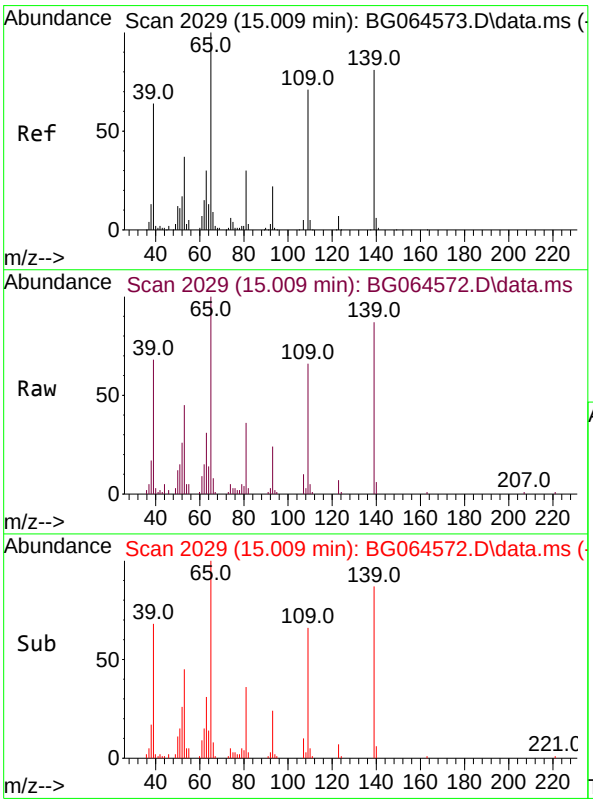
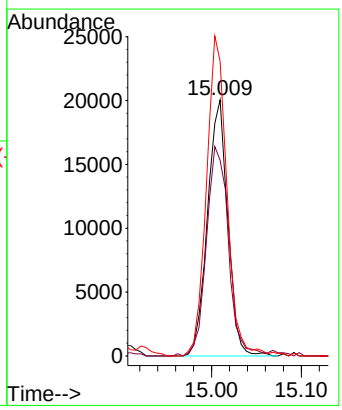
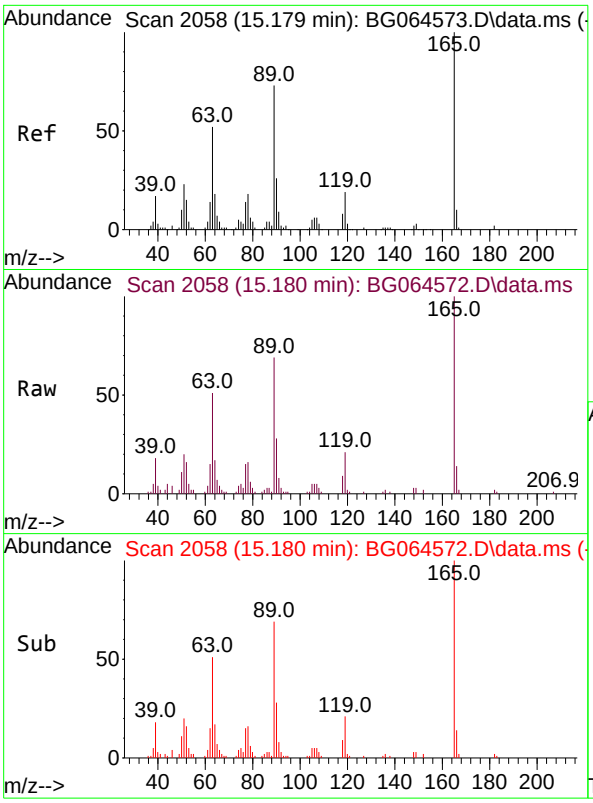


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 31366

Ion	Ratio	Lower	Upper
139	100		
109	76.4	67.8	107.8
65	115.0	103.7	143.7

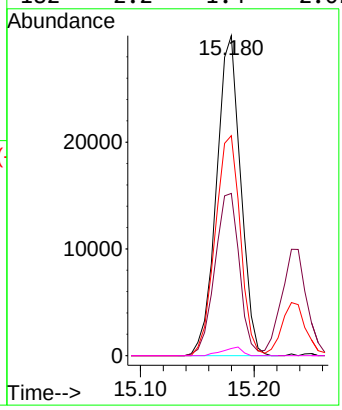




#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 4420

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	68.7	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
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ClientSampleId :
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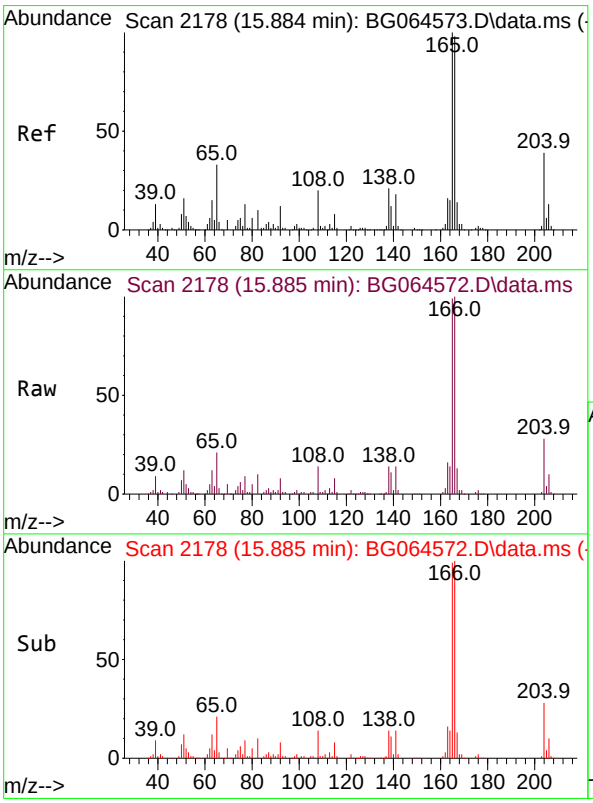
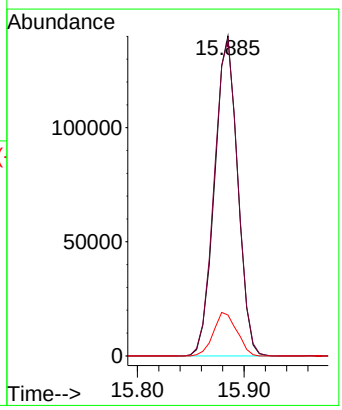
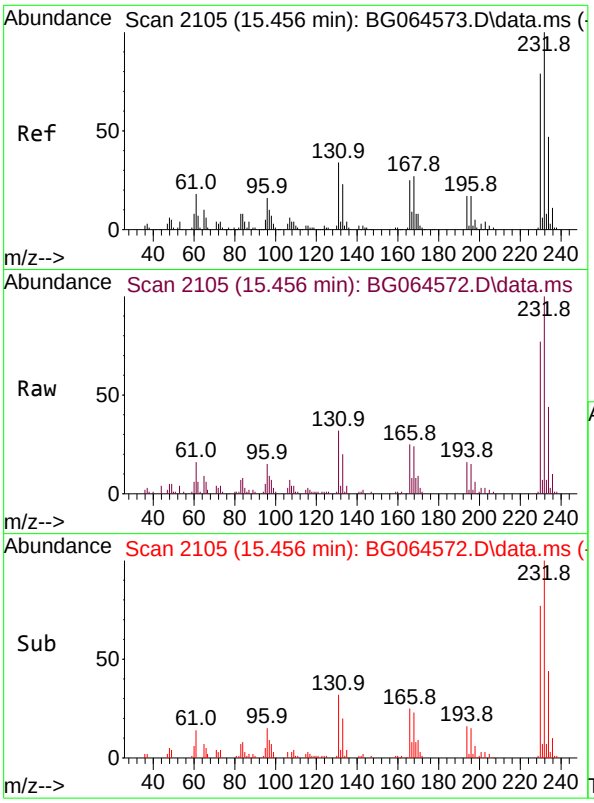


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:166 Resp: 210426

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.5	122.3
167	12.8	11.4	17.0

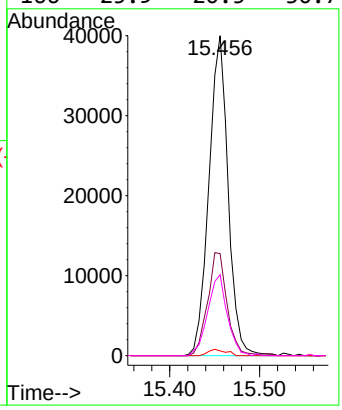




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:232 Resp: 59314

Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	25.9	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
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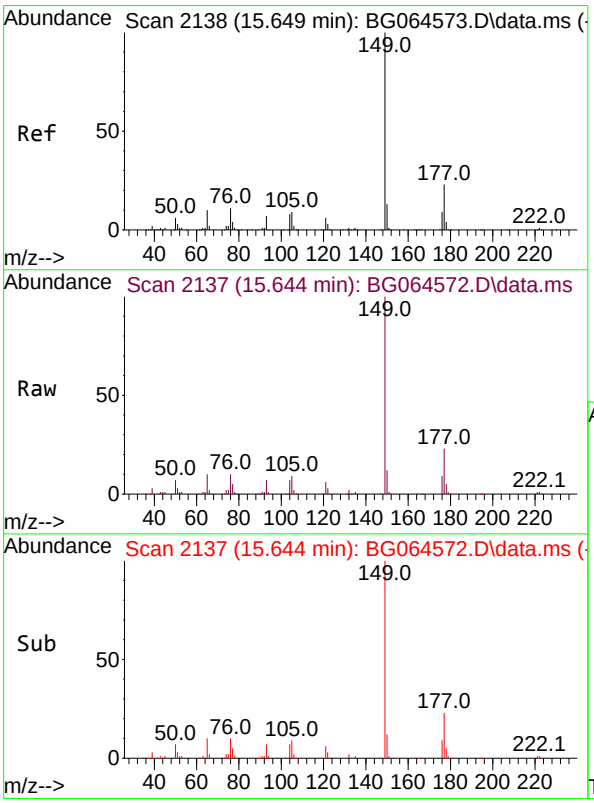
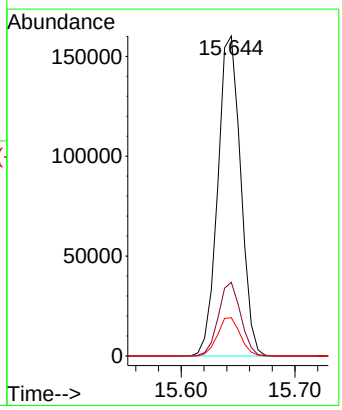
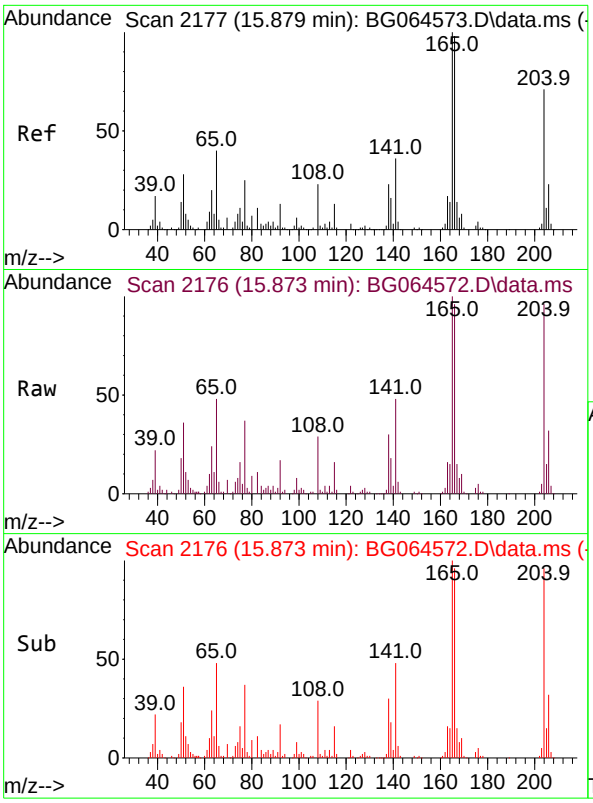


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 223398

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	11.9	10.2	15.4

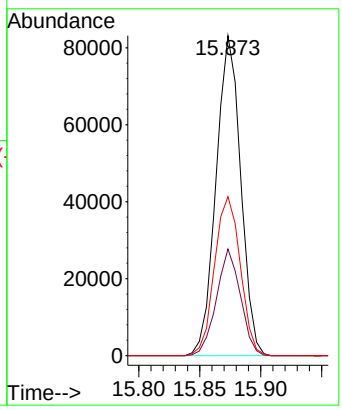




#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:204 Resp: 11686

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	49.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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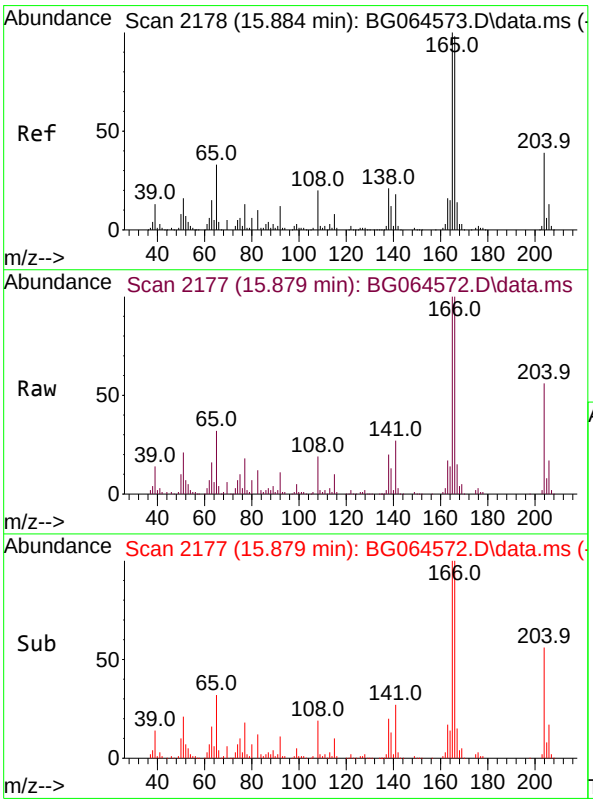
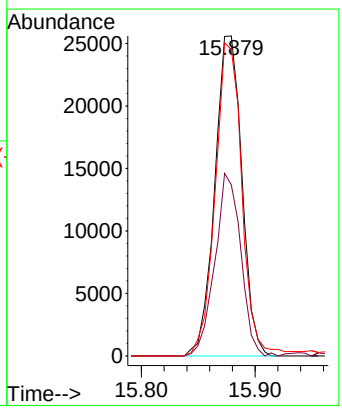
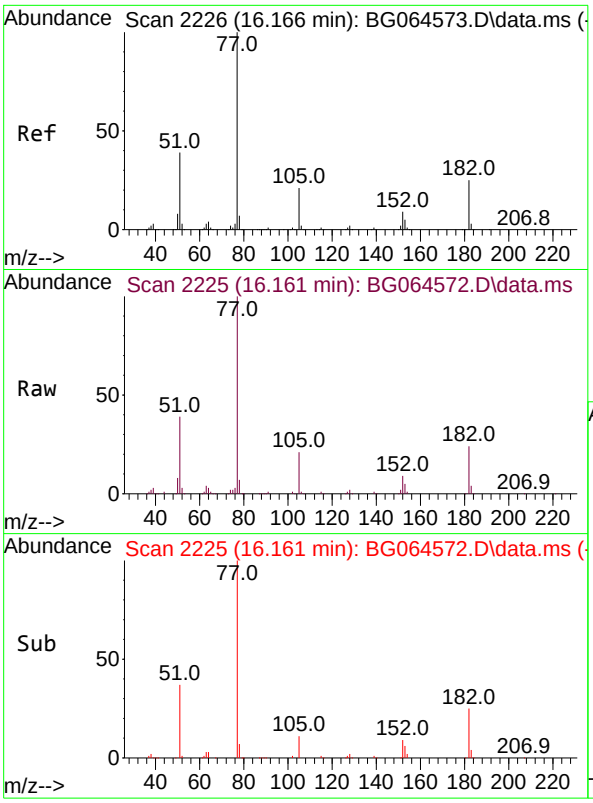


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 42261

Ion	Ratio	Lower	Upper
138	100		
92	53.4	36.1	76.1
108	95.8	75.6	115.6

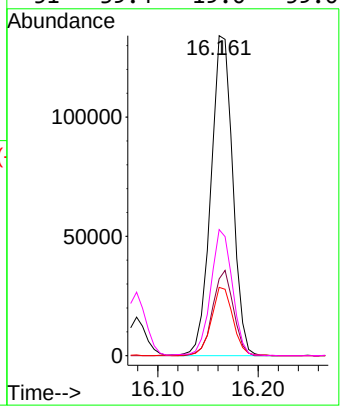




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 20310

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	21.3	1.3	41.3
51	39.4	19.0	59.0



Instrument :
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ClientSampleId :
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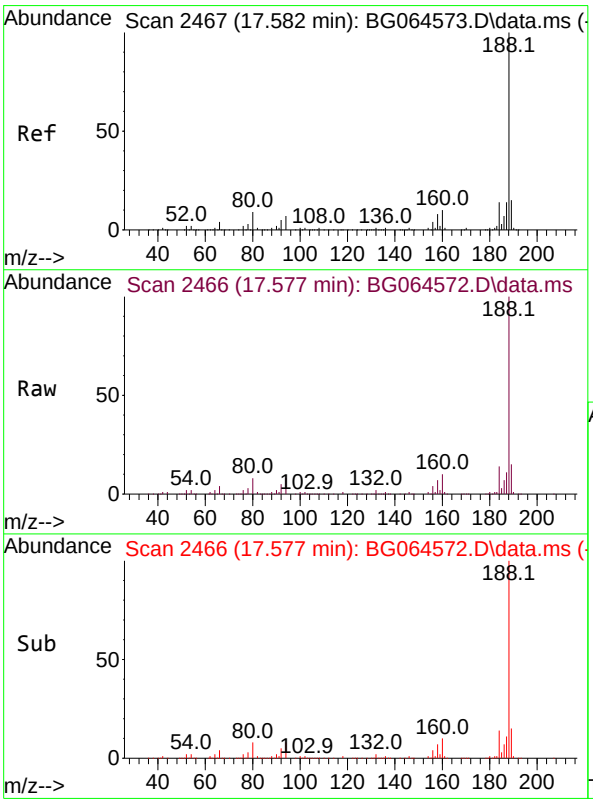
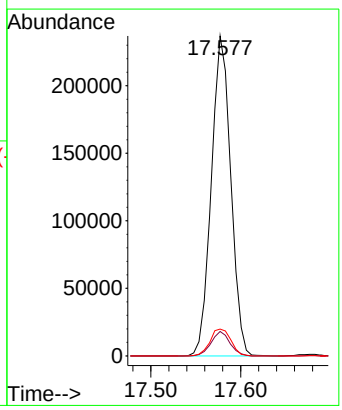
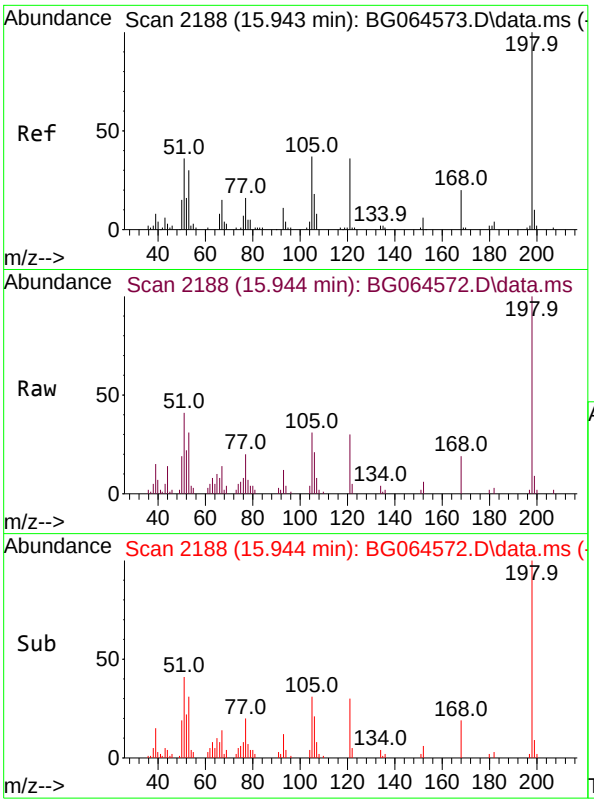


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:188 Resp: 357228

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2

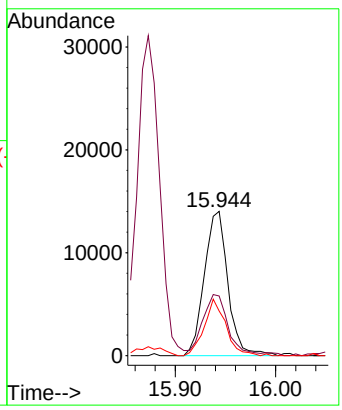




#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:198 Resp: 2284

Ion	Ratio	Lower	Upper
198	100		
51	41.3	24.7	64.7
105	30.8	18.0	58.0



Instrument :
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ClientSampleId :
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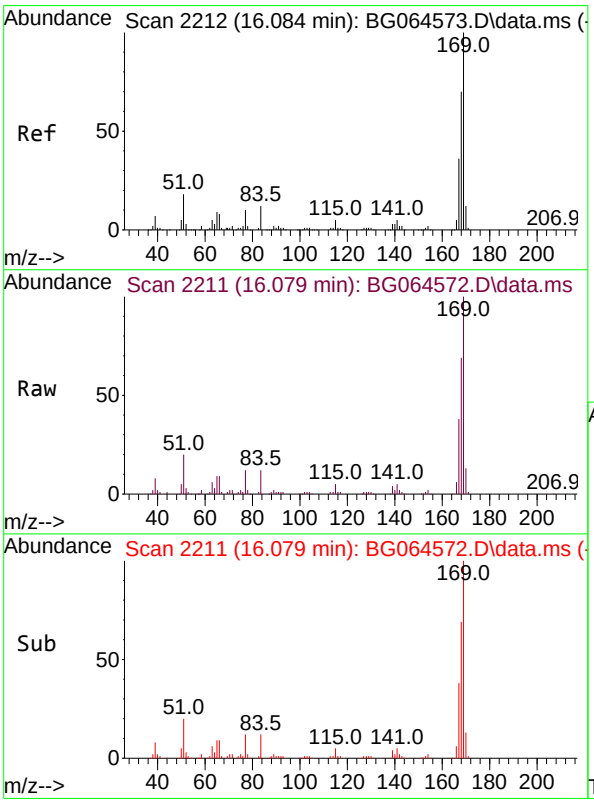
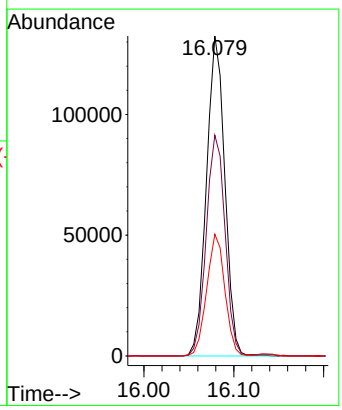
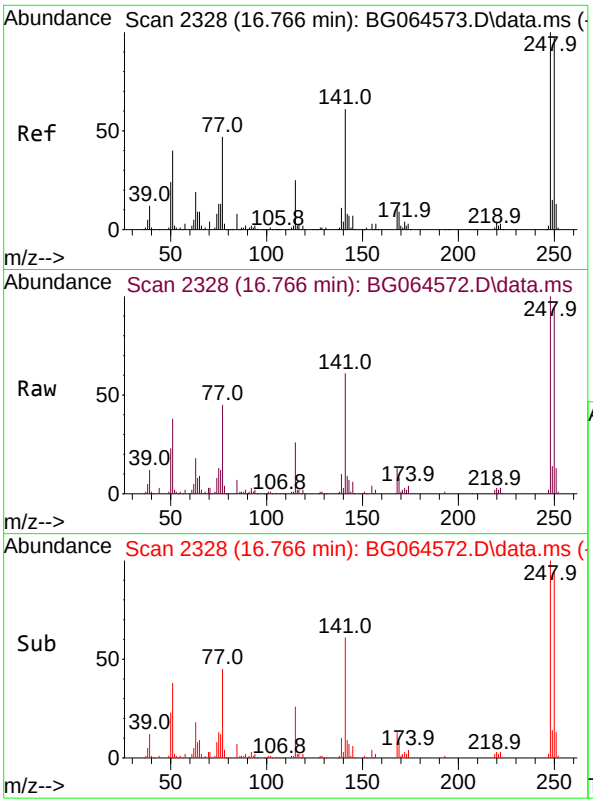


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:169 Resp: 187560

Ion	Ratio	Lower	Upper
169	100		
168	69.0	56.3	84.5
167	38.0	29.0	43.6

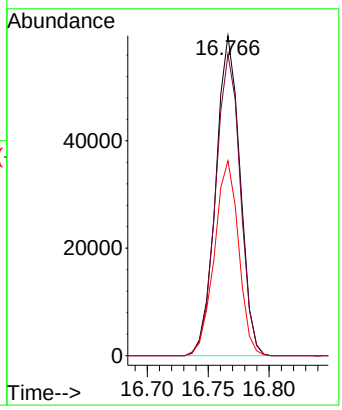




#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:248 Resp: 8231

Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	60.9	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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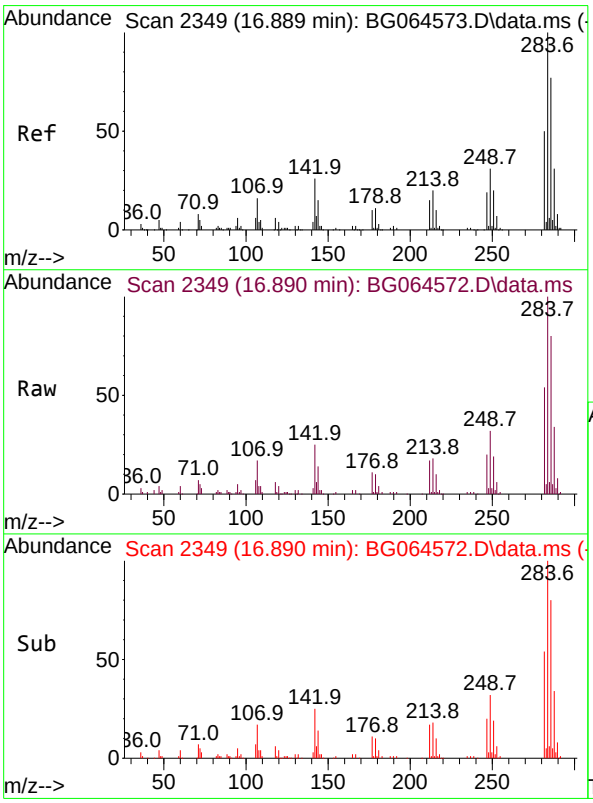
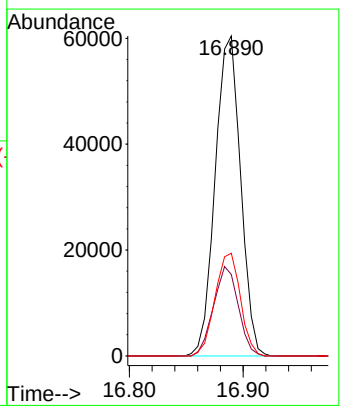
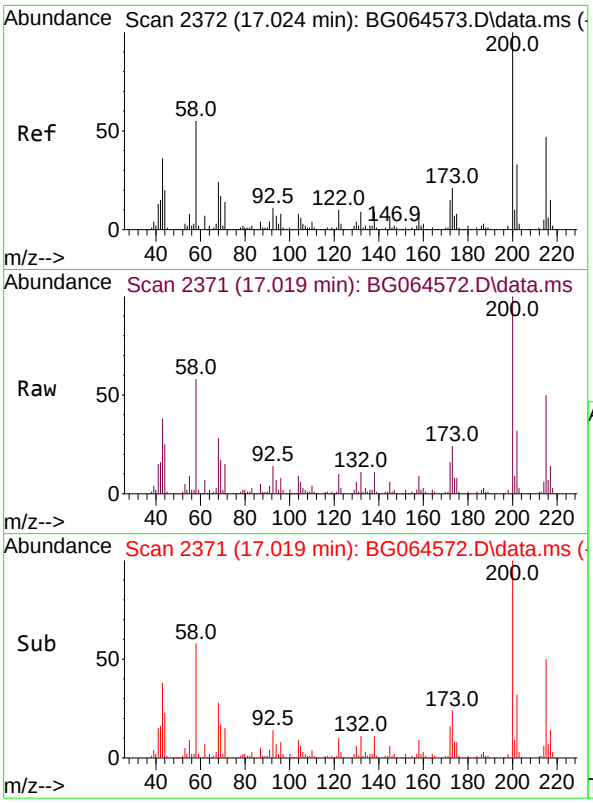


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:284 Resp: 93647

Ion	Ratio	Lower	Upper
284	100		
142	25.4	21.0	31.6
249	34.6	24.9	37.3

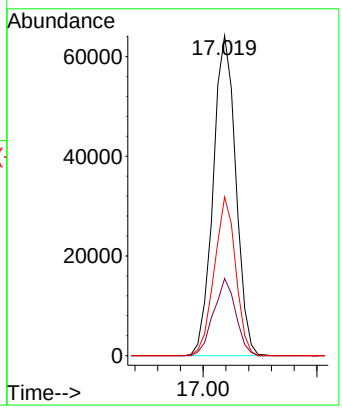




#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:200 Resp: 8883

Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	49.6	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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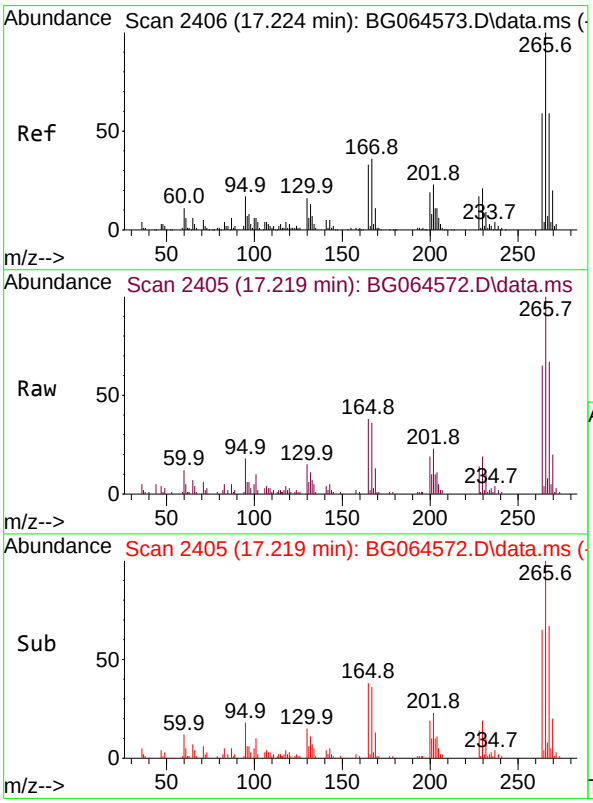
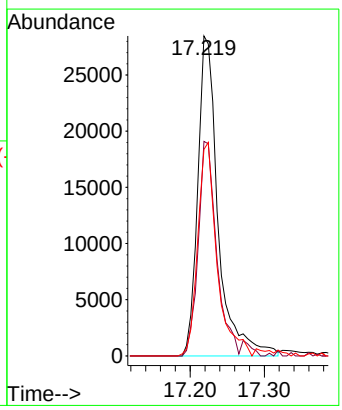
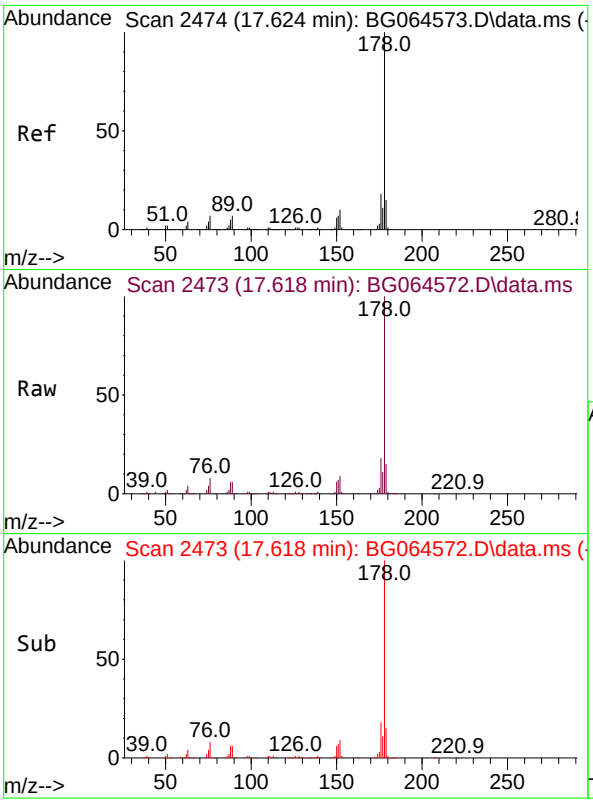


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:266 Resp: 54275

Ion	Ratio	Lower	Upper
266	100		
268	71.7	50.3	75.5
264	68.9	47.3	70.9

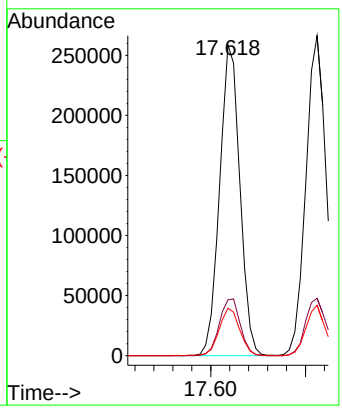




#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 383359

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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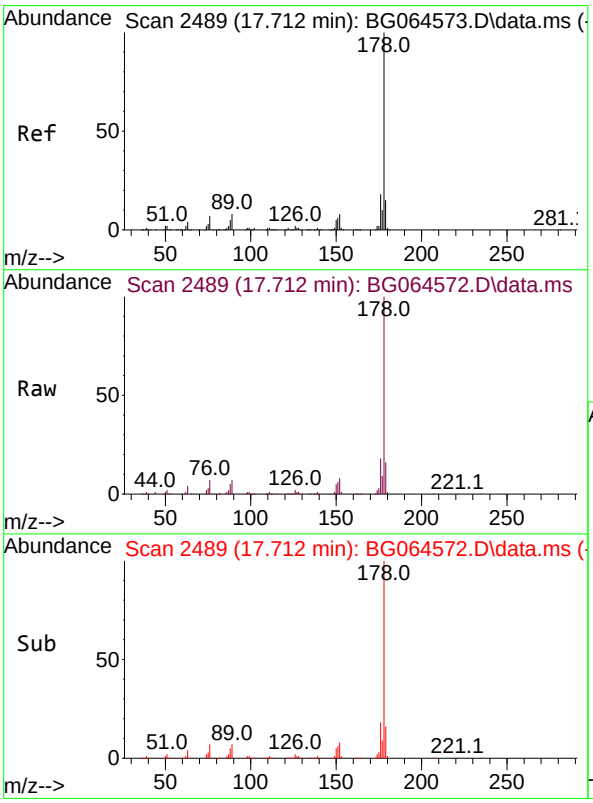
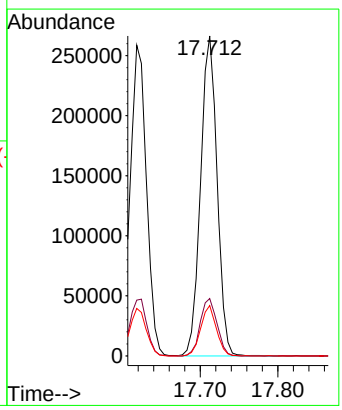
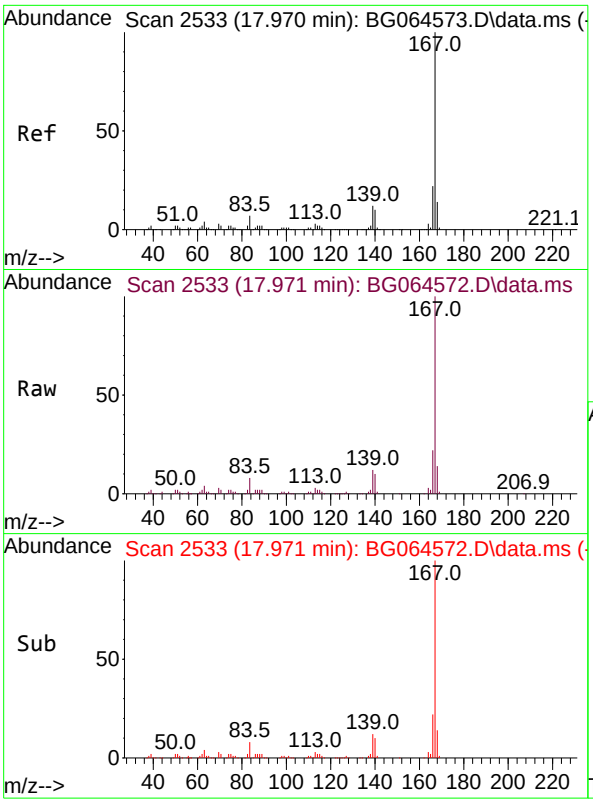


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 393312

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.7	12.4	18.6

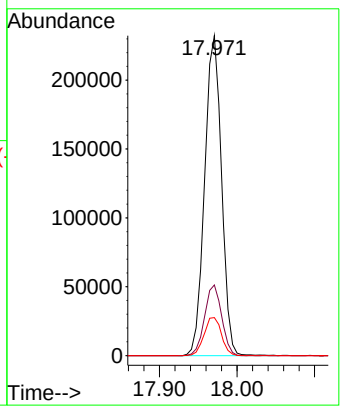




#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:167 Resp: 35072

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.9	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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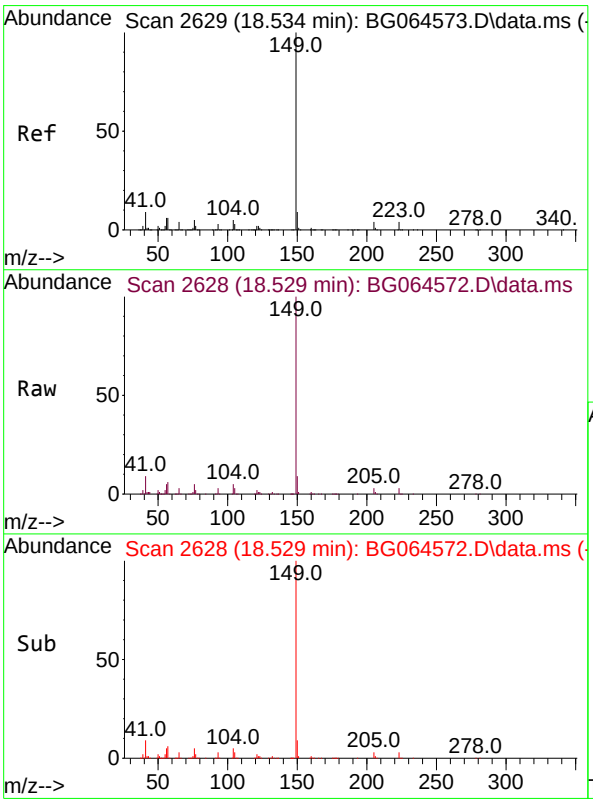
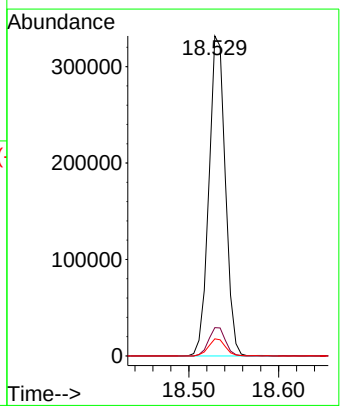
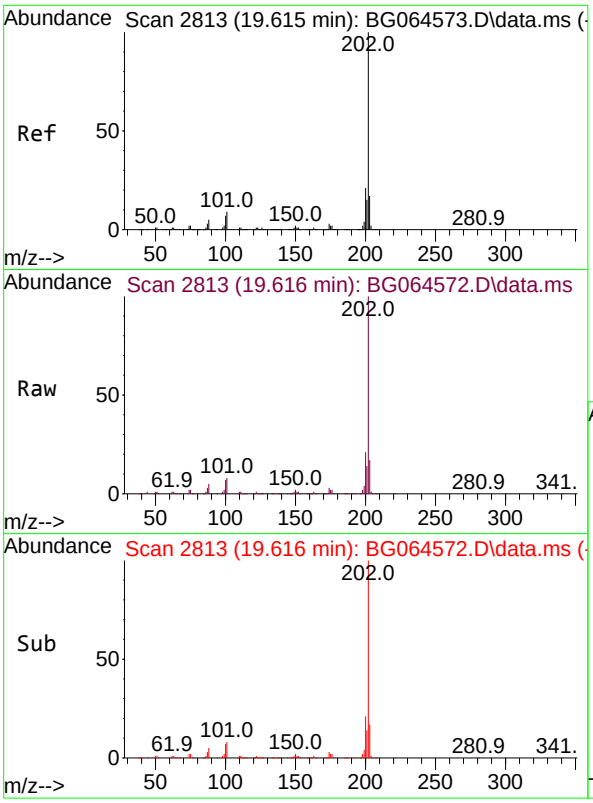


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 421239

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

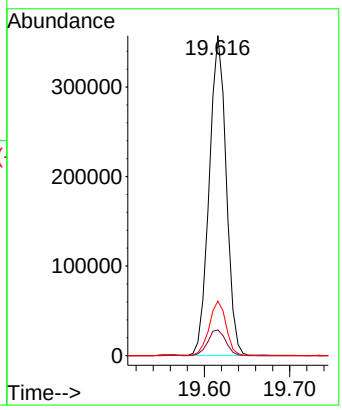




#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 49292

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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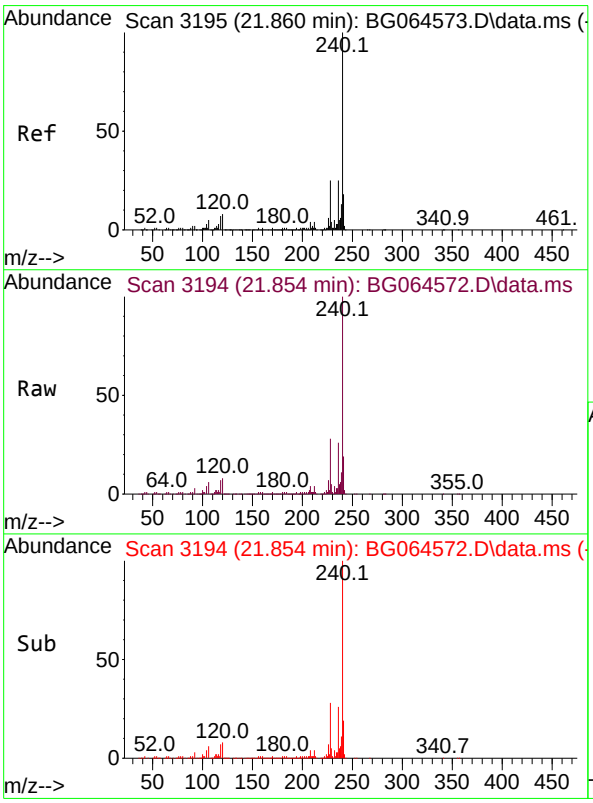
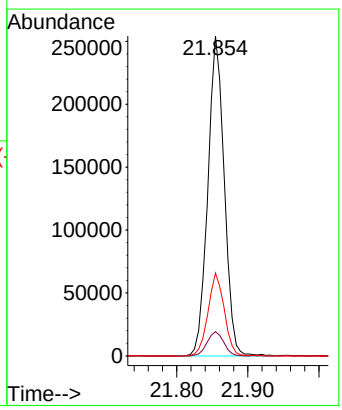
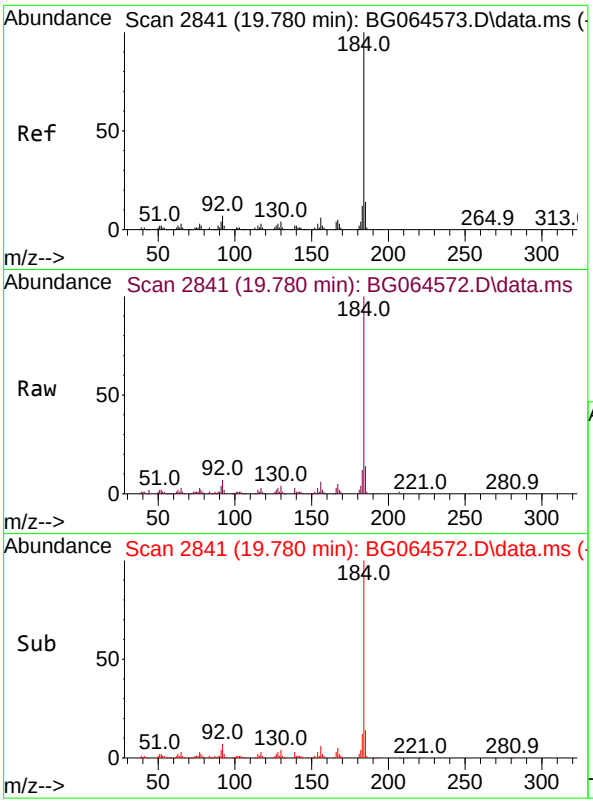


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:240 Resp: 408574

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.9	20.2	30.2

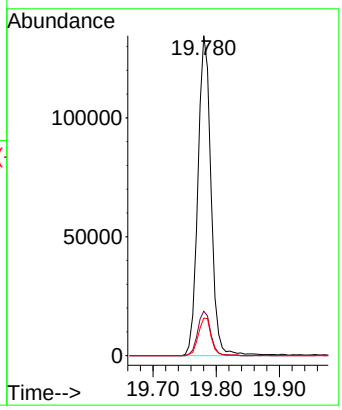




#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 19407

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.7	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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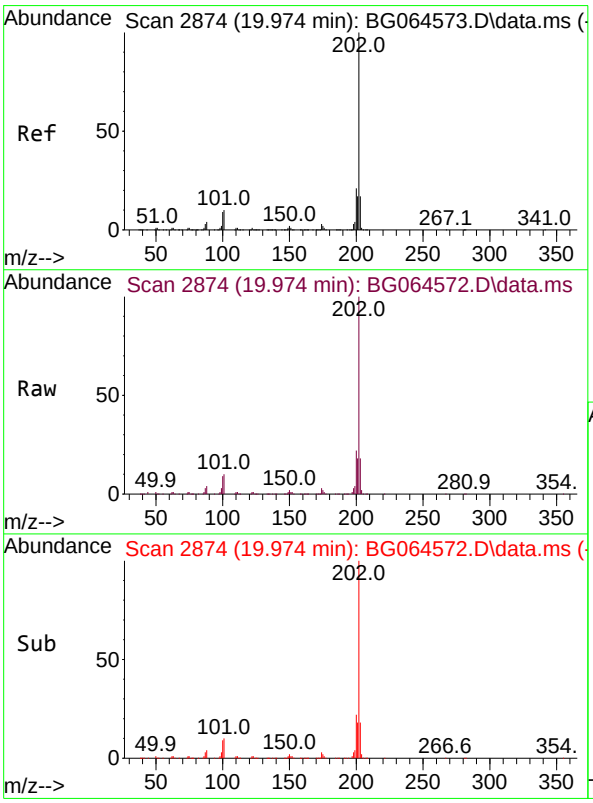
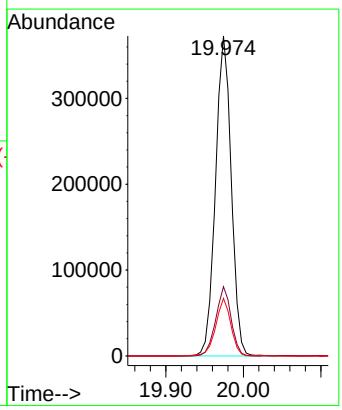
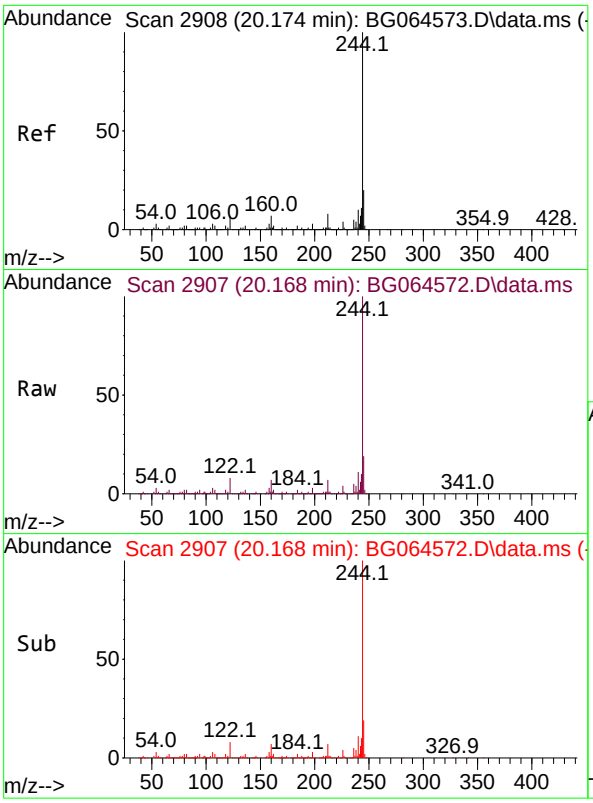


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 524431

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.0	13.8	20.6

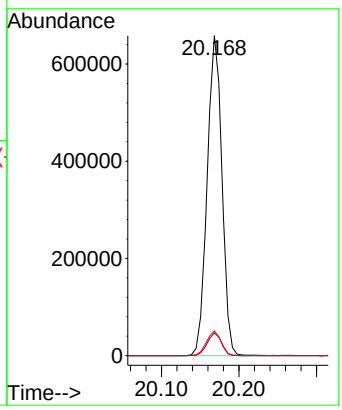




#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:244 Resp: 870741

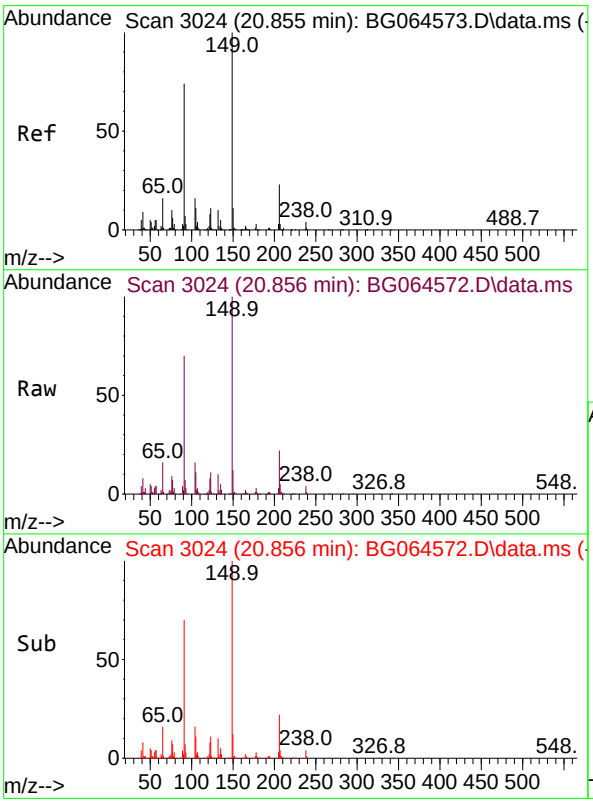
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

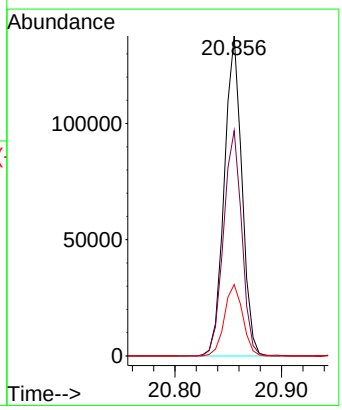
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

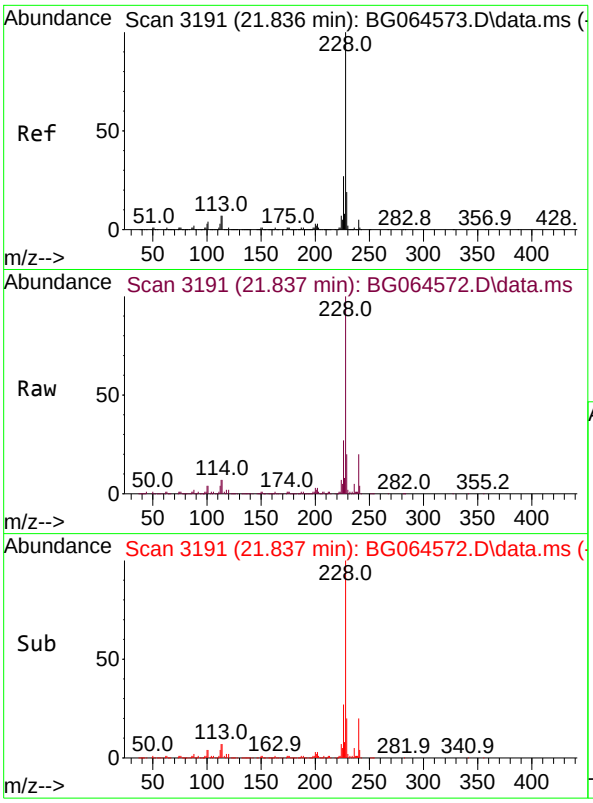


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 158394

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.2	88.8
206	22.3	18.1	27.1

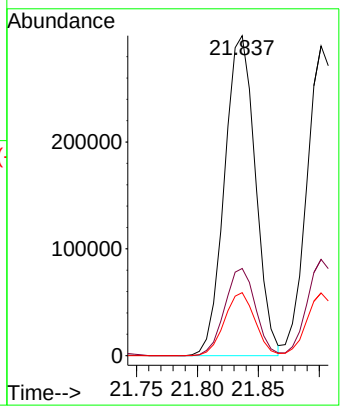




#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 52800

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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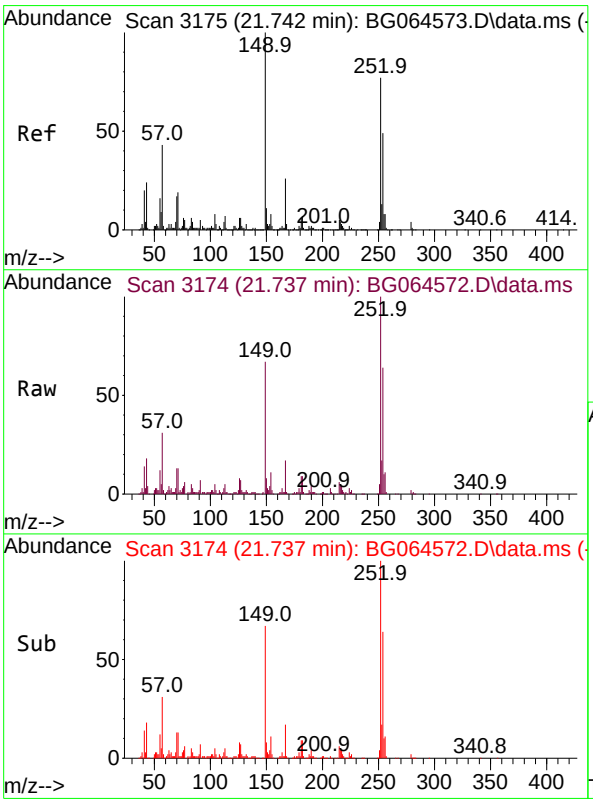
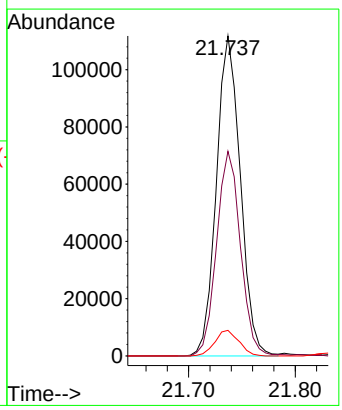
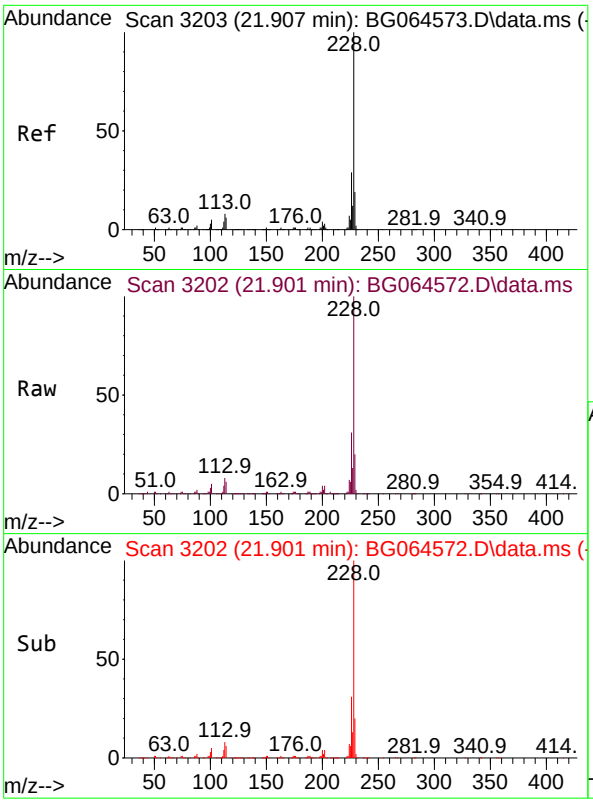


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 174803

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6

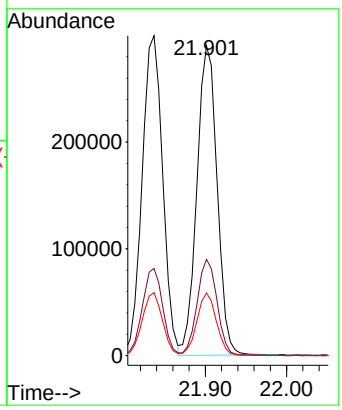




#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 50212

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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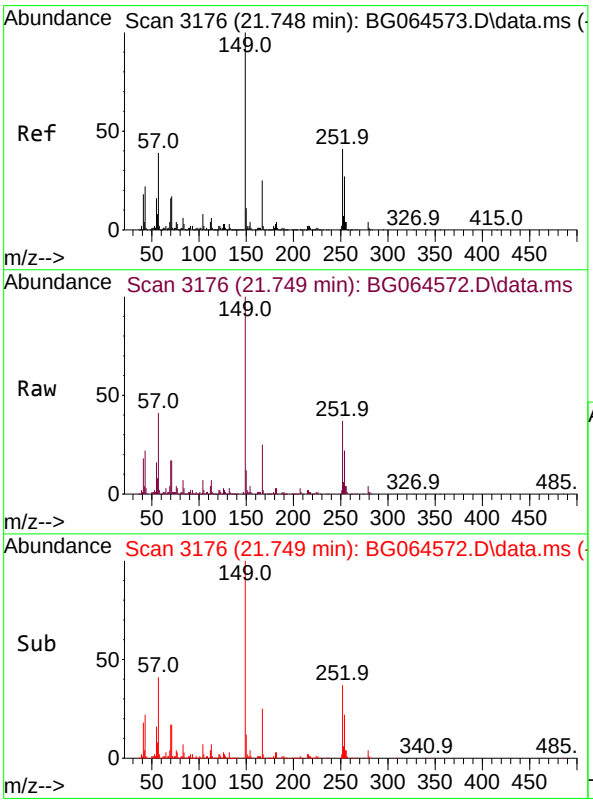
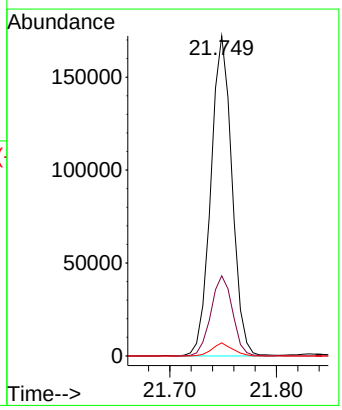
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

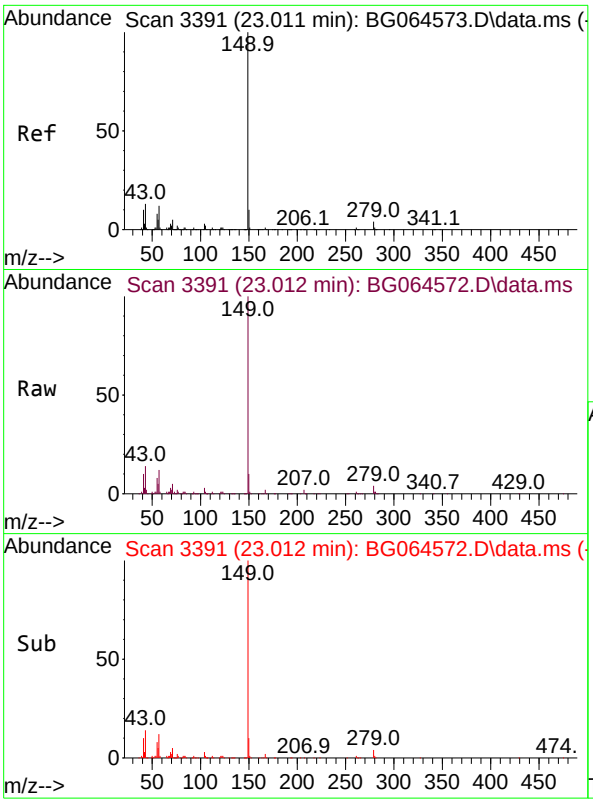


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 237524

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	4.1	3.1	4.7

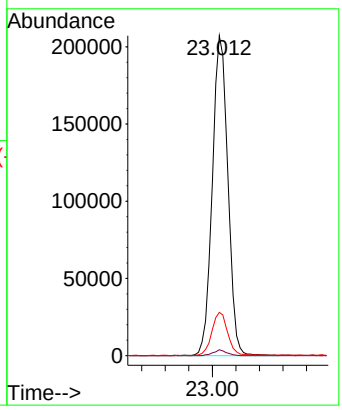




#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 38089

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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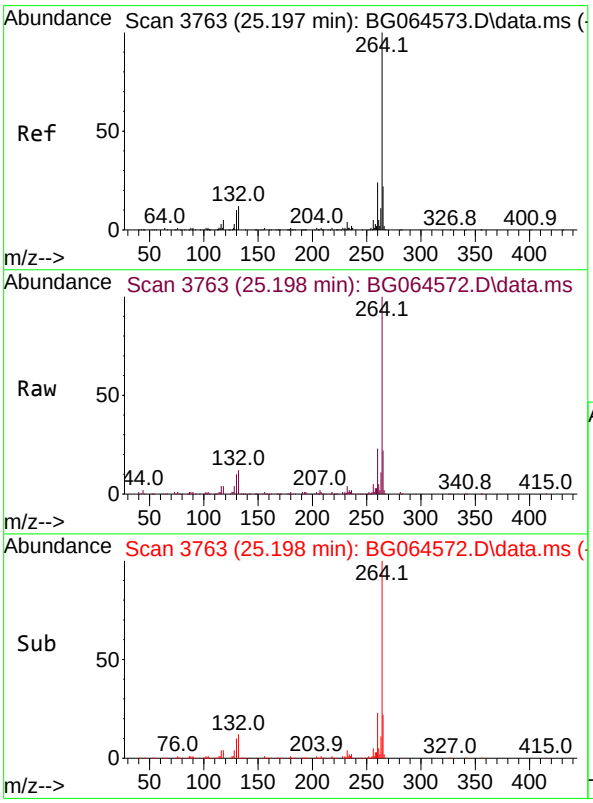
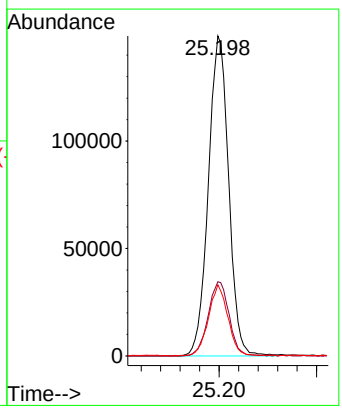
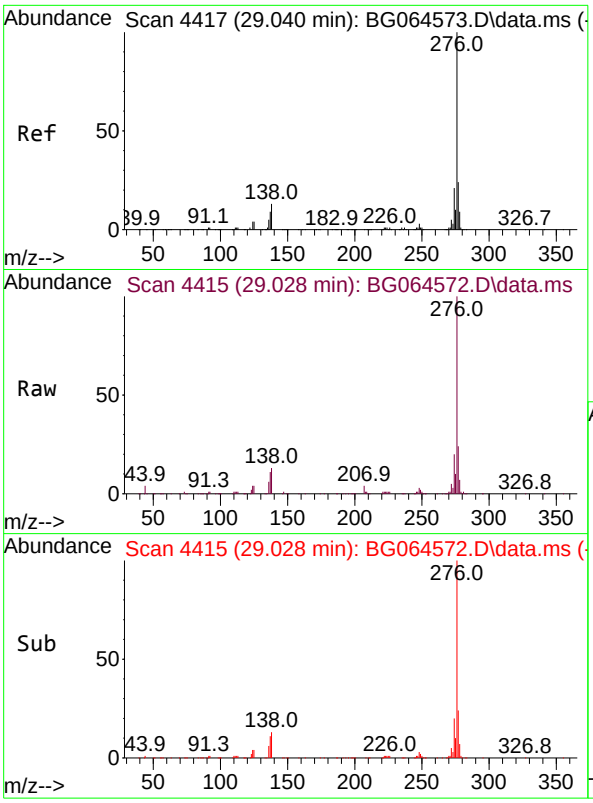


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:264 Resp: 430370

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.2	17.6	26.4

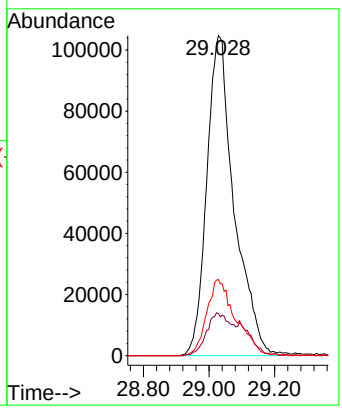




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 606702

Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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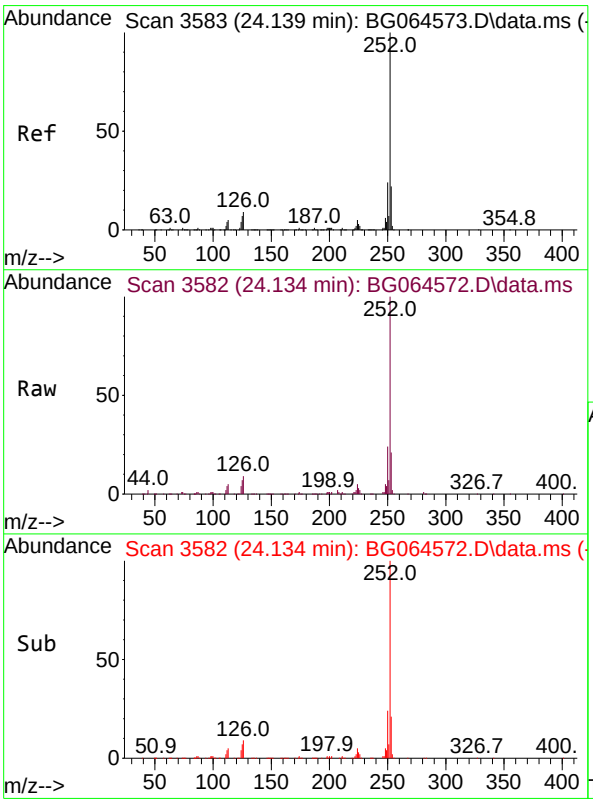
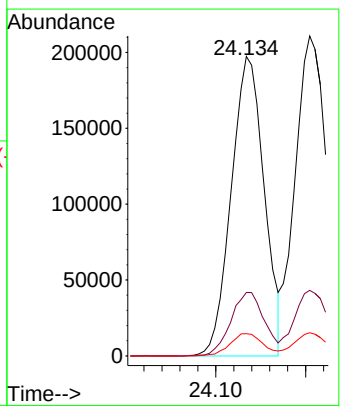
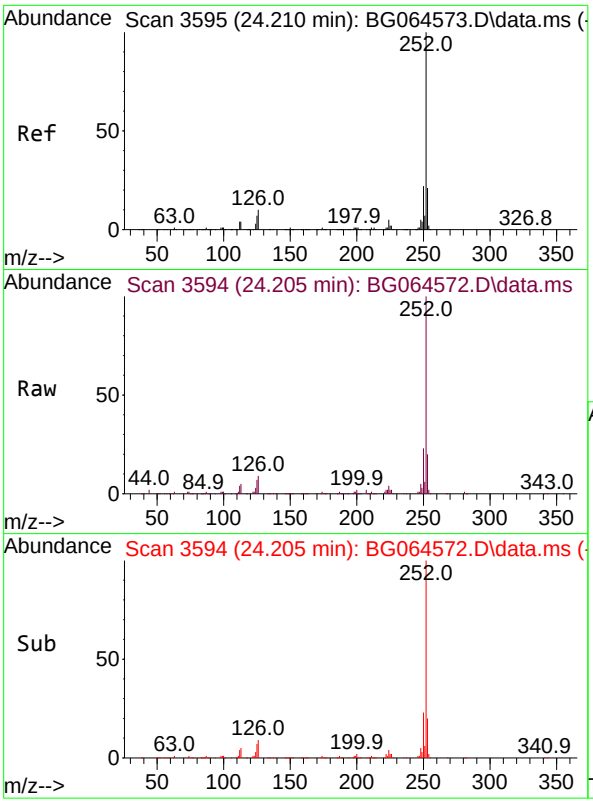


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 503145

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.4	5.6	8.4

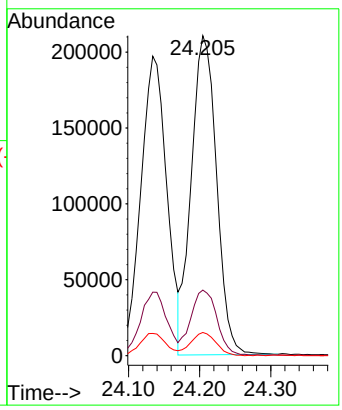




#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 51891

Ion	Ratio	Lower	Upper
252	100		
253	20.5	16.8	25.2
125	7.2	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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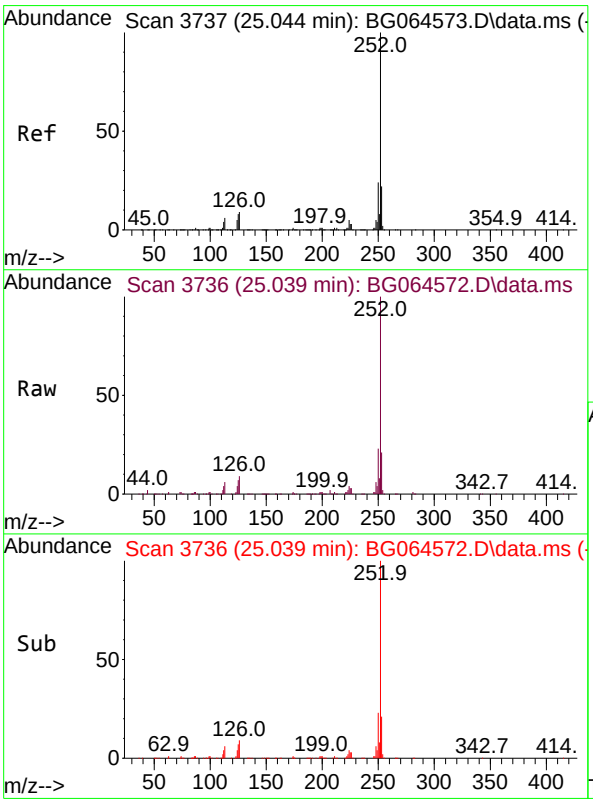
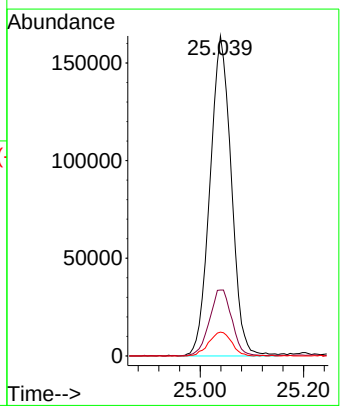
Supervised By :mohammad ahmed 11/05/2025

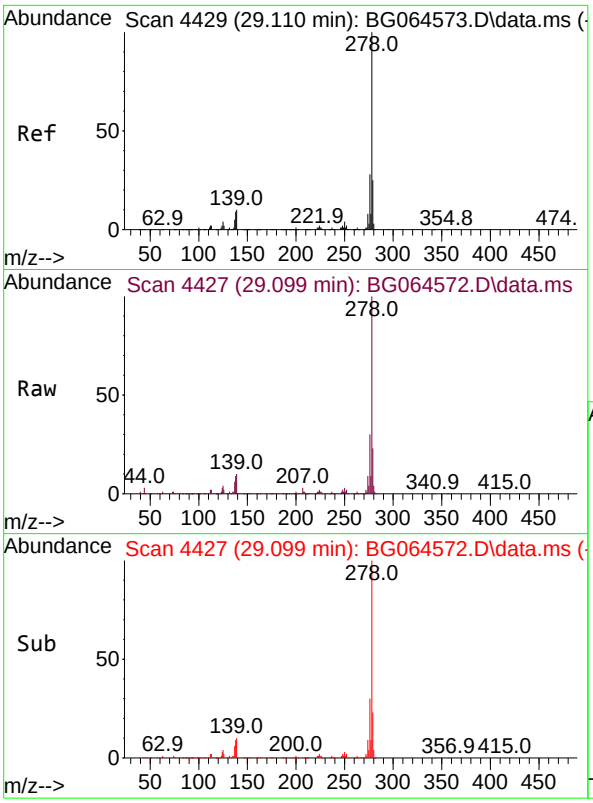


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 470556

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	7.4	6.1	9.1

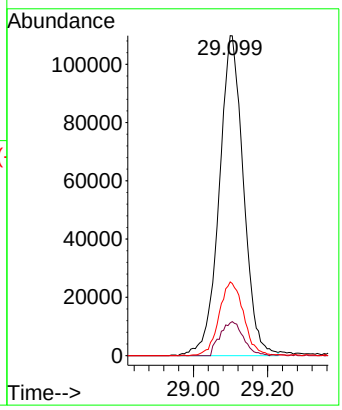




#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:278 Resp: 49839

Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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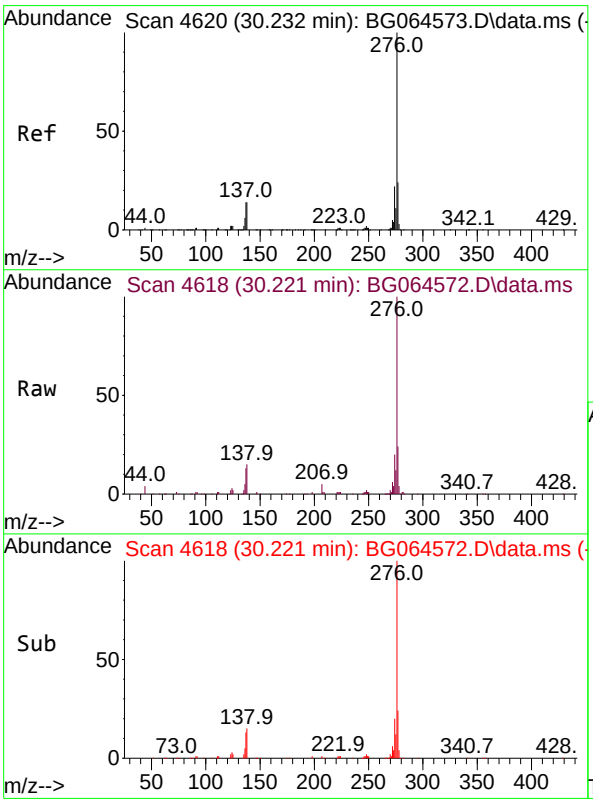
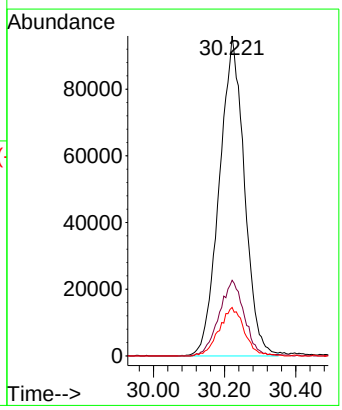
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 19.067 ng
RT: 30.221 min Scan# 4618
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 468496

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.1	11.3	16.9



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.624	93	111183	41.613	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.037	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.652	107	102315	42.405	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	45.129	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	73604m	40.425	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.362	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694	ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885	ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182	ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303	ng	100
49) Acenaphthylene	14.568	152	466393	42.209	ng	100
50) Dimethylphthalate	14.286	163	428475	42.894	ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696	ng	100
52) Acenaphthene	14.909	154	319250	42.289	ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762	ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390	ng	100
55) Dibenzofuran	15.238	168	512547	41.995	ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765	ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962	ng	100
58) Fluorene	15.884	166	399745	41.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030	ng	100
60) Diethylphthalate	15.649	149	432571	42.412	ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270	ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662	ng	100
63) Azobenzene	16.166	77	401676	42.922	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770	ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563	ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265	ng	100
69) Atrazine	17.024	200	153706	42.203	ng	100
70) Pentachlorophenol	17.224	266	112769	42.694	ng	100
71) Phenanthrene	17.624	178	728184	42.500	ng	100
72) Anthracene	17.712	178	743567	42.663	ng	100
73) Carbazole	17.970	167	646319	42.053	ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711	ng	100
75) Fluoranthene	19.615	202	902557	42.050	ng	100
77) Benzidine	19.780	184	325845	43.697	ng	100
78) Pyrene	19.974	202	939110	43.186	ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601	ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723	ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131	ng	100
83) Chrysene	21.907	228	894813	42.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494	ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688	ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624	ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108	ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878	ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635	ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430	ng	100
92) Benzo(g,h,i)perylene	30.232	276	851248	42.492	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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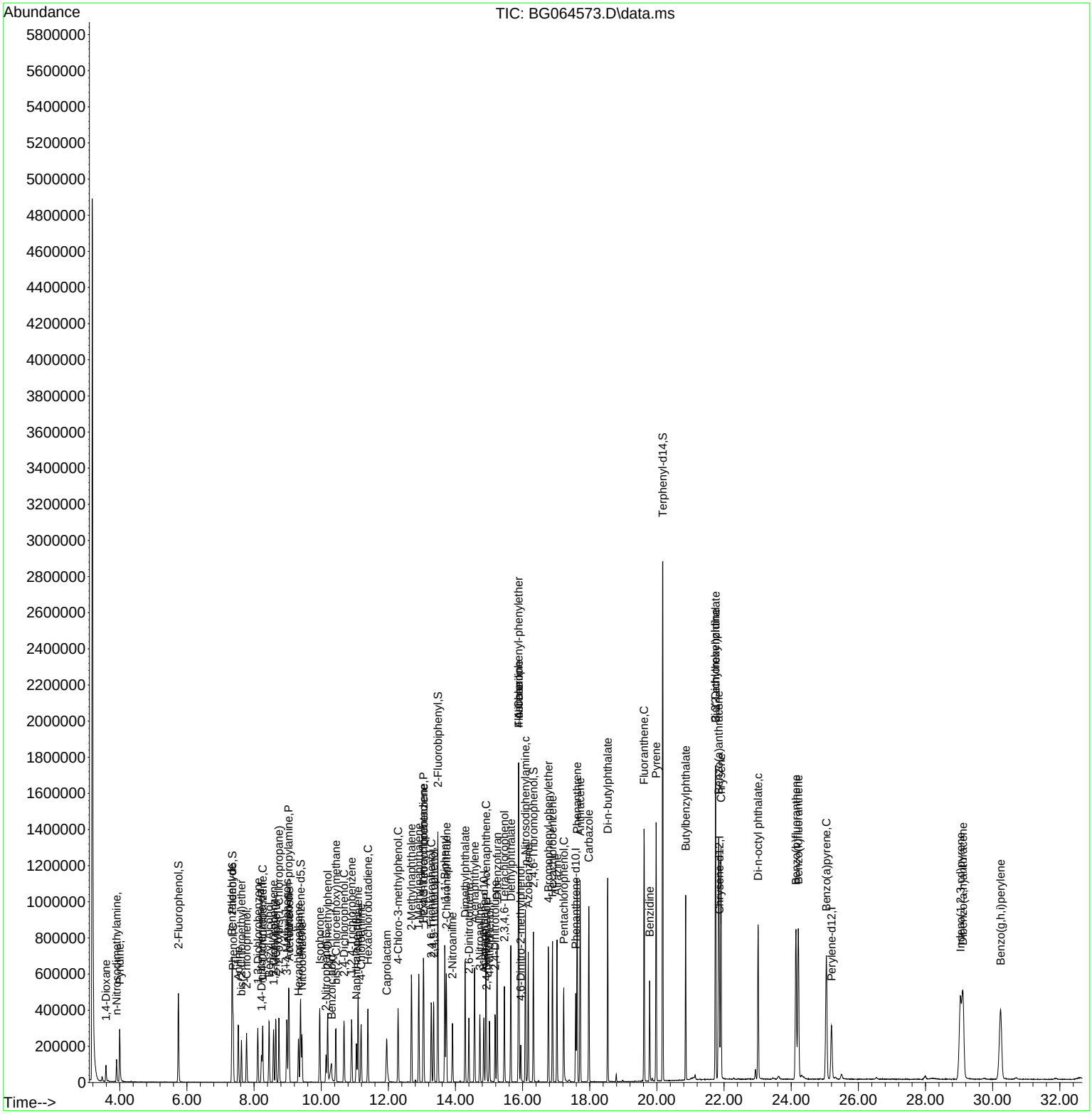
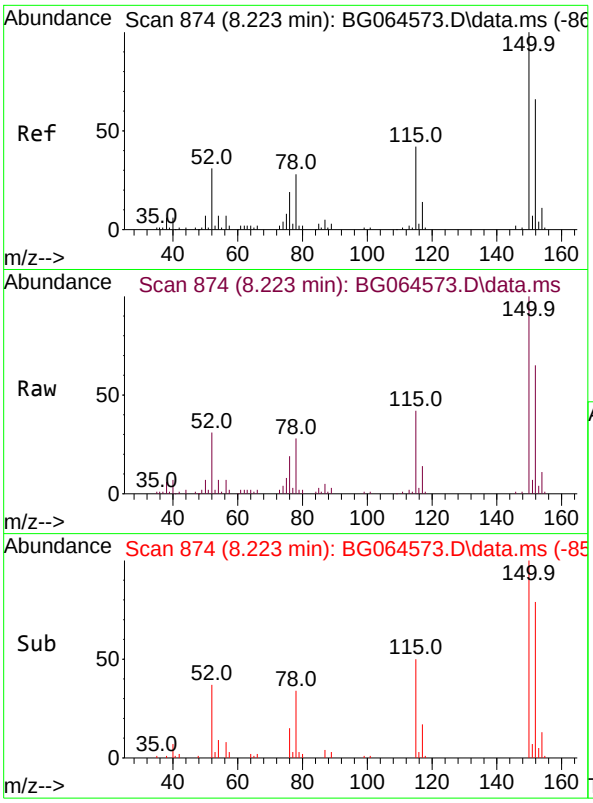
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

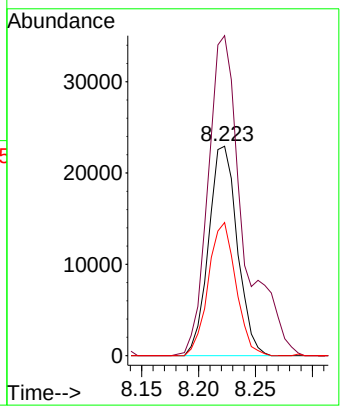




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 4019

Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	63.5	50.8	76.2



Instrument :
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ClientSampleId :
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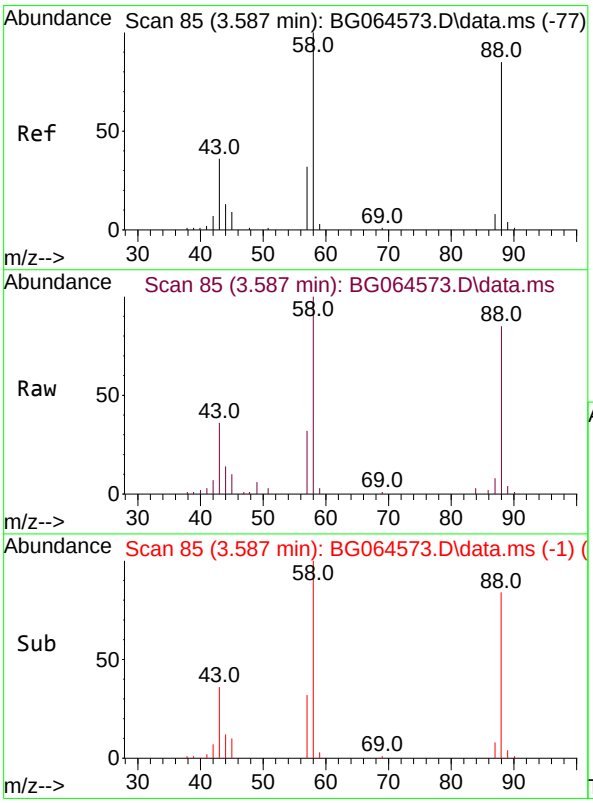
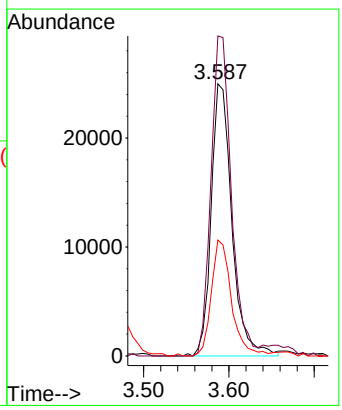
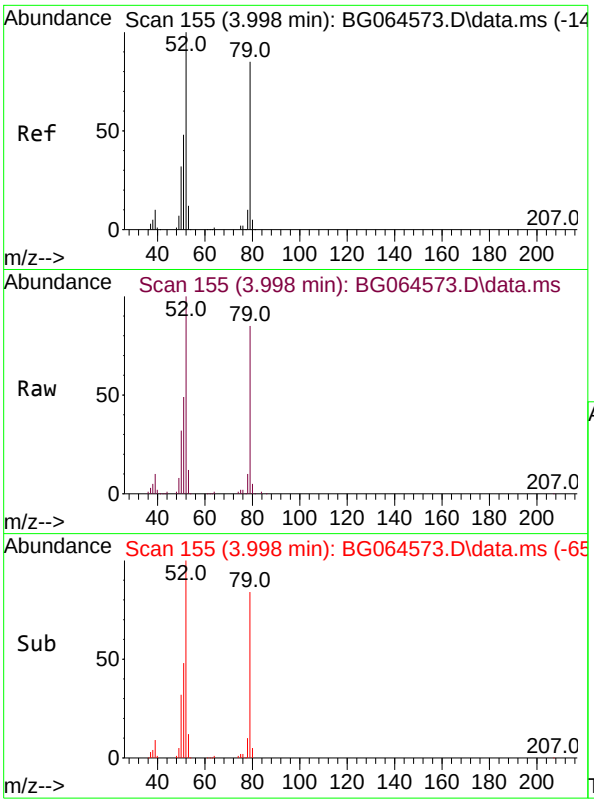


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 88 Resp: 42215

Ion	Ratio	Lower	Upper
88	100		
58	115.5	92.4	138.6
43	41.3	33.0	49.6

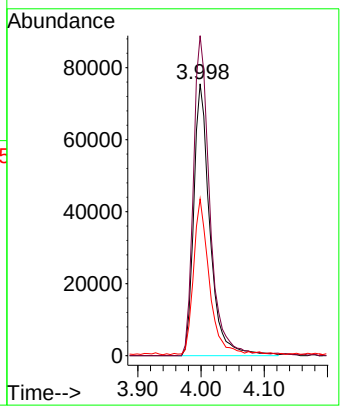




#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 13415

Ion	Ratio	Lower	Upper
79	100		
52	117.7	94.2	141.2
51	57.6	46.1	69.1



Instrument :
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ClientSampleId :
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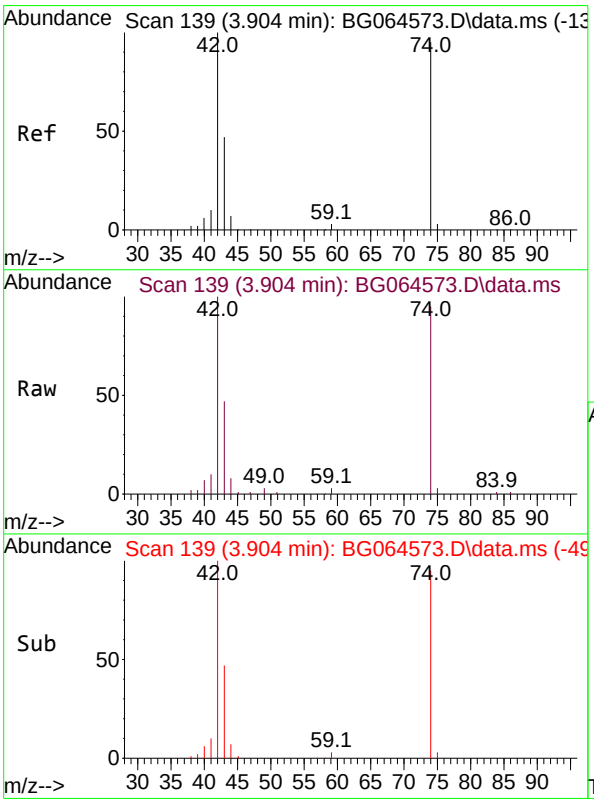
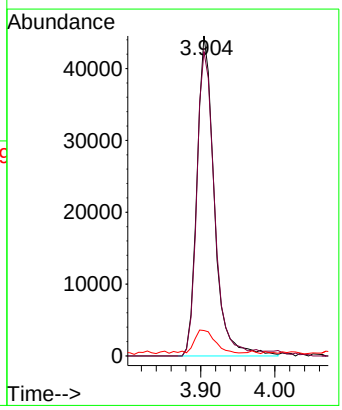
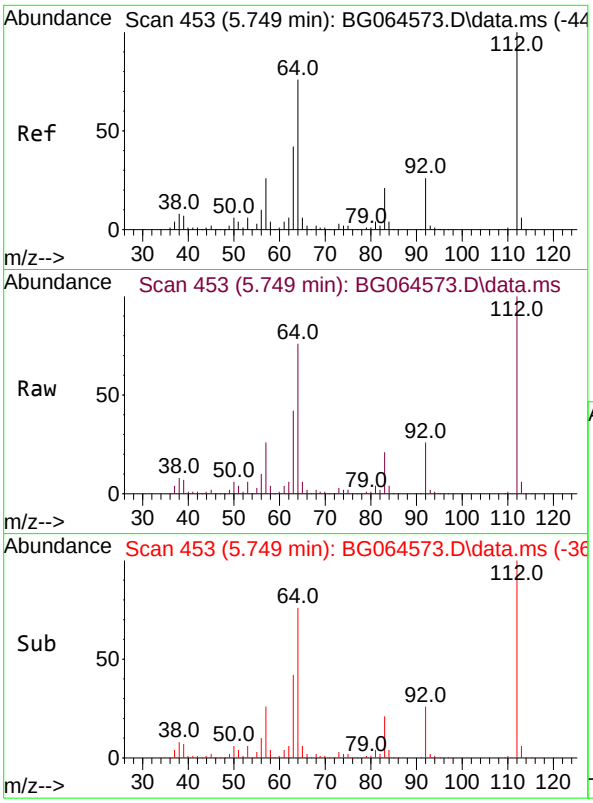


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367

Ion	Ratio	Lower	Upper
42	100		
74	95.1	76.1	114.1
44	7.9	6.3	9.5

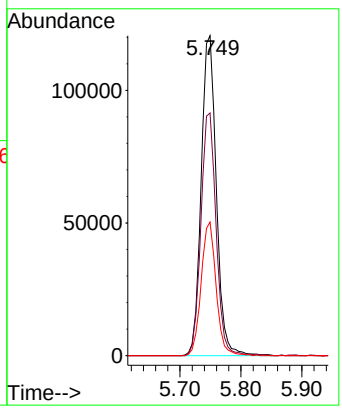




#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:112 Resp: 20780

Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.7	91.1
63	41.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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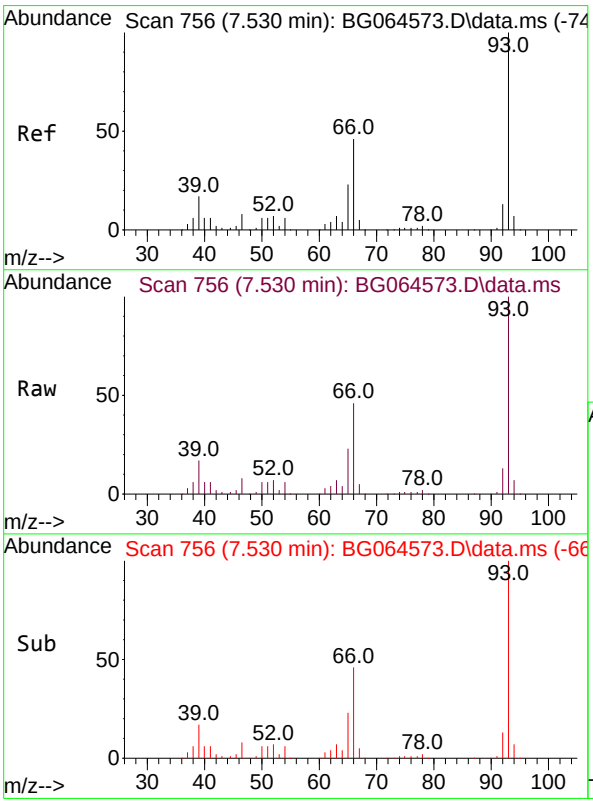
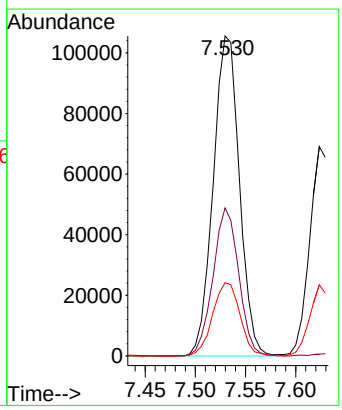
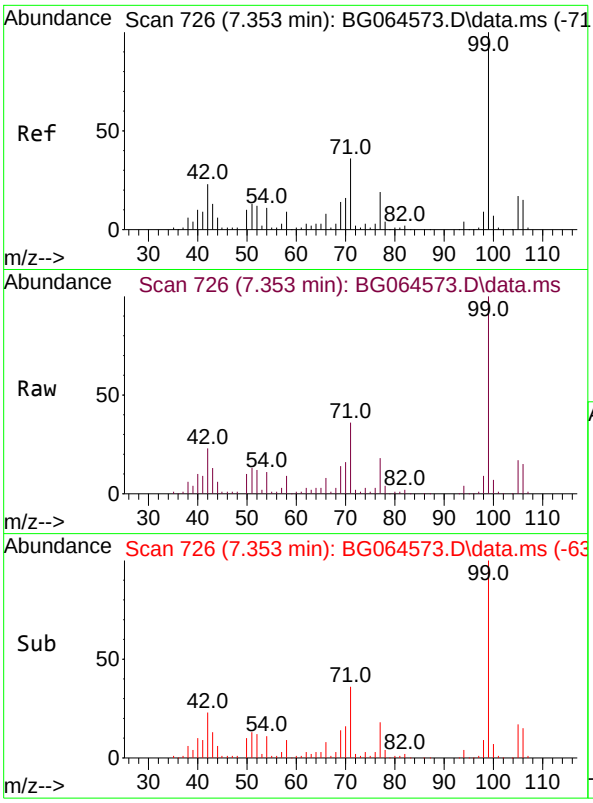


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 191799

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.0	55.6
65	22.9	18.3	27.5

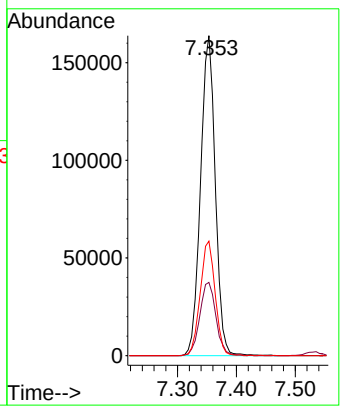




#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 99 Resp: 28469

Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.3	27.5
71	35.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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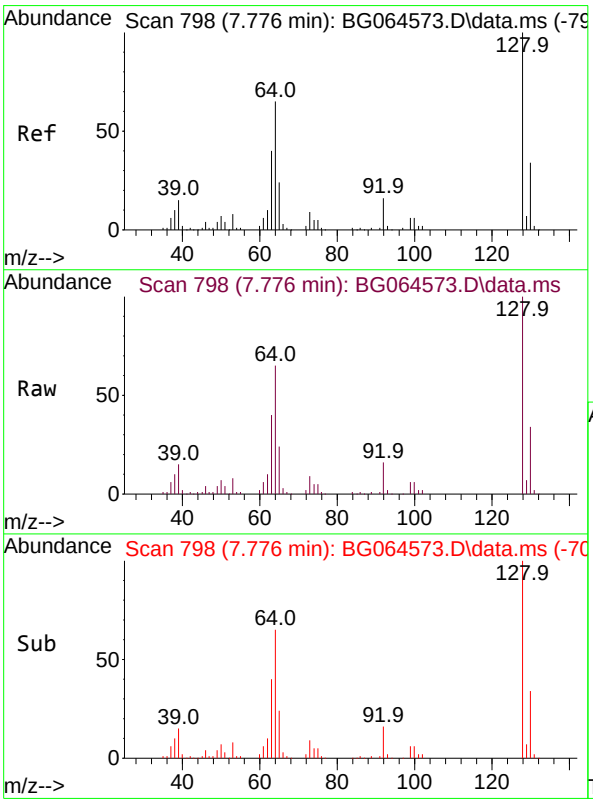
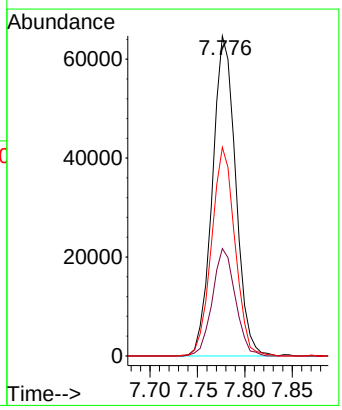
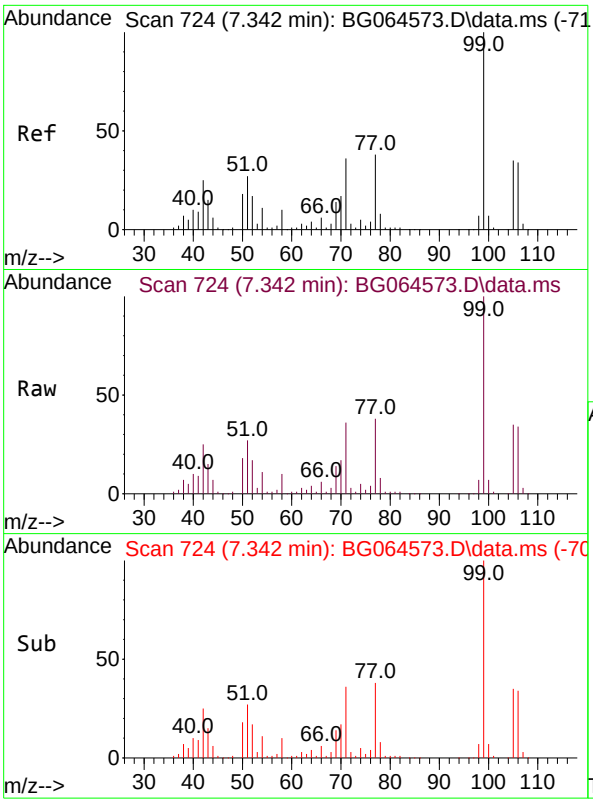


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 110414

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	65.2	45.2	85.2

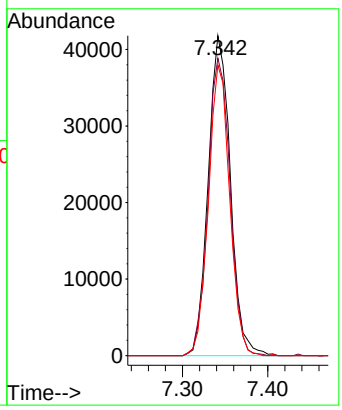




#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 7555

Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.8	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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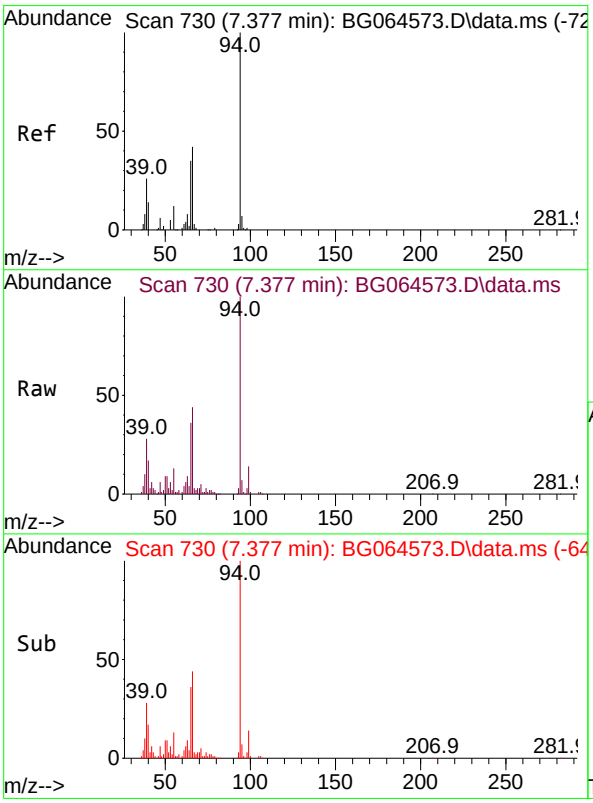
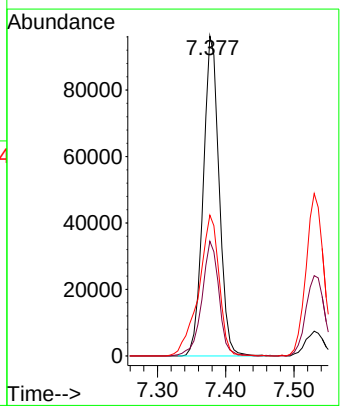
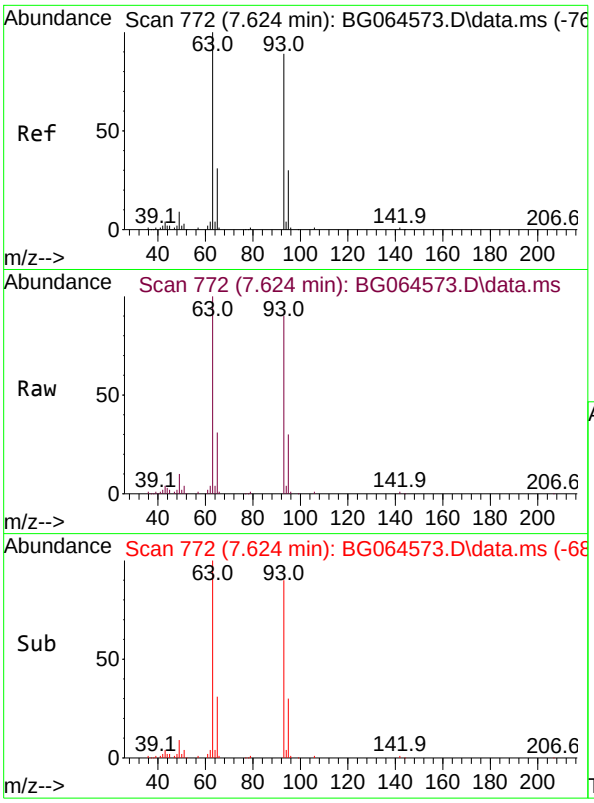


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.8	55.8
66	44.0	24.0	64.0

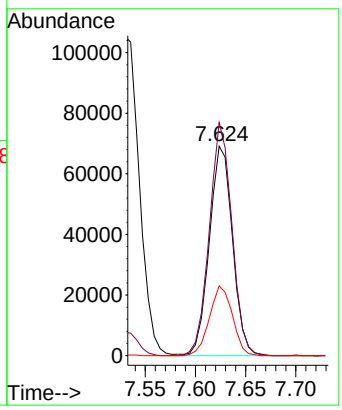




#11
bis(2-Chloroethyl)ether
Concen: 41.613 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 11118

Ion	Ratio	Lower	Upper
93	100		
63	111.3	91.3	131.3
95	33.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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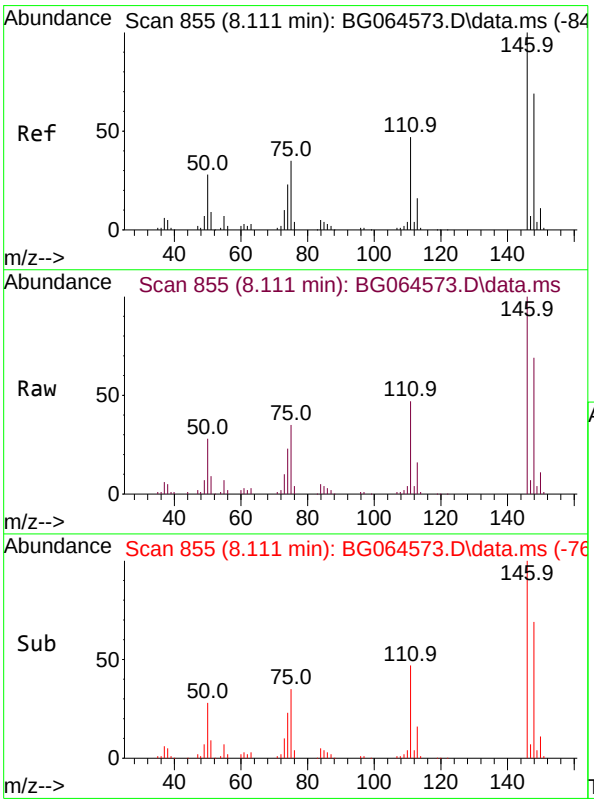
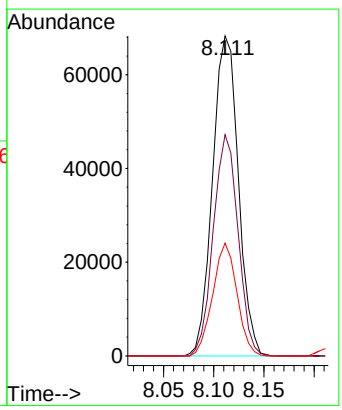
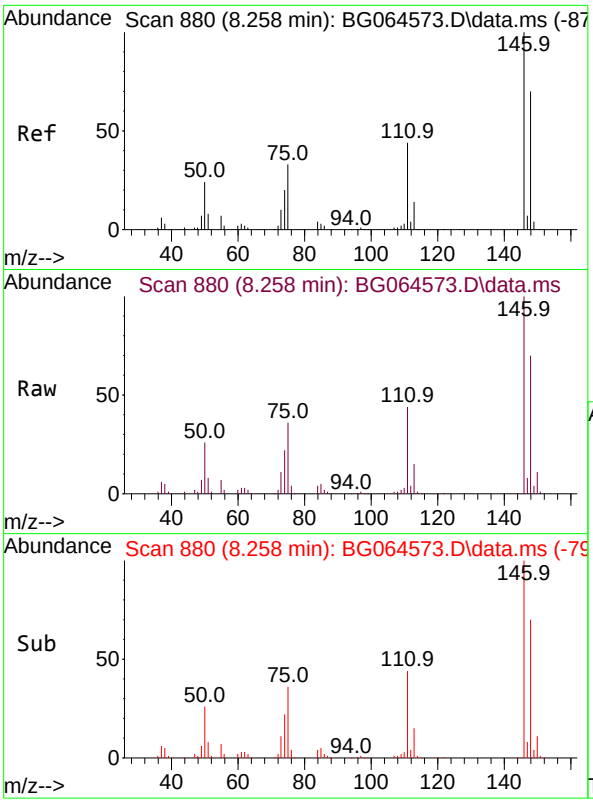


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 122224

Ion	Ratio	Lower	Upper
146	100		
148	69.1	55.3	82.9
75	35.2	28.2	42.2

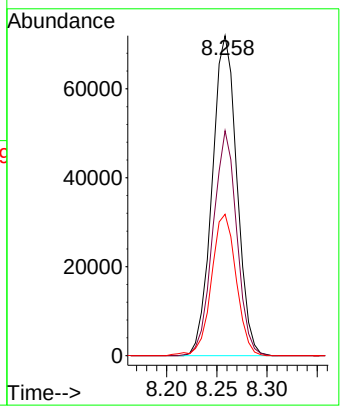




#13
1,4-Dichlorobenzene
Concen: 42.037 ng
RT: 8.258 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 12331

Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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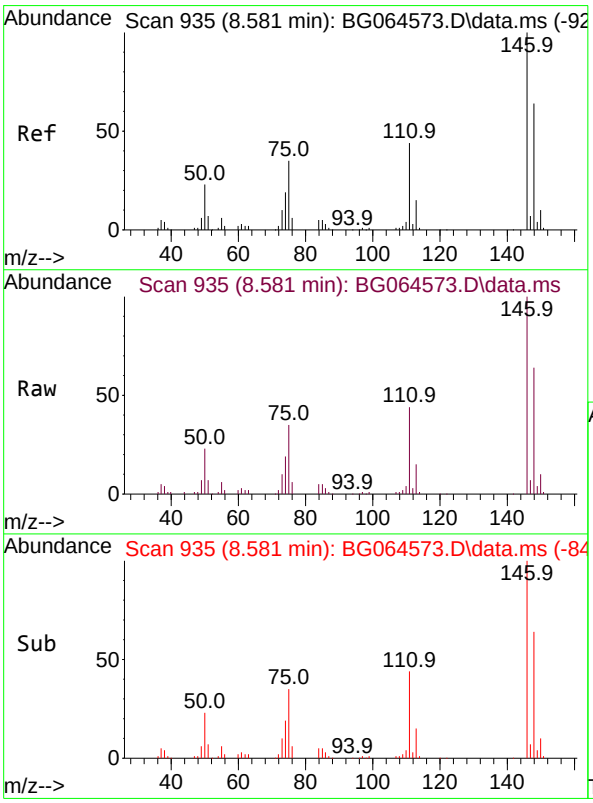
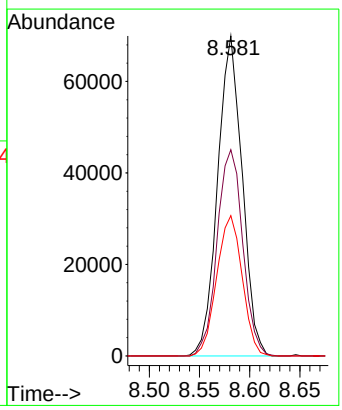
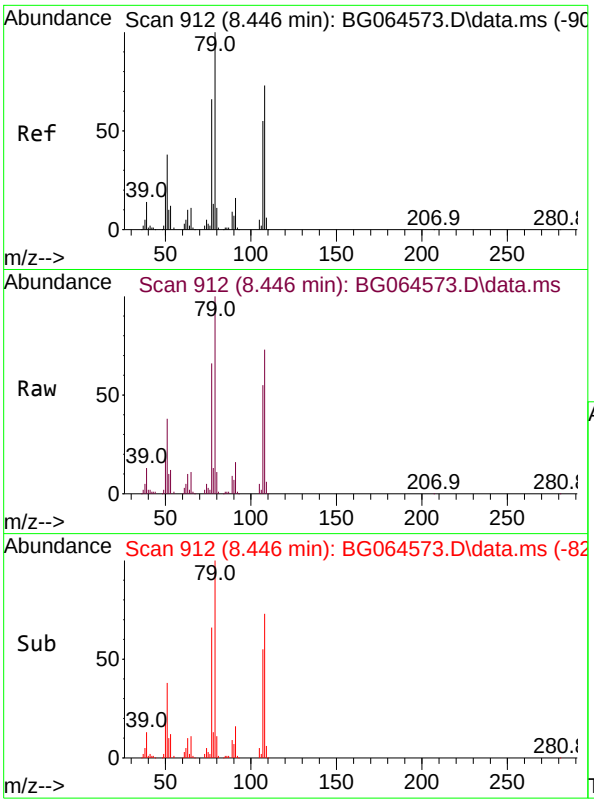


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 119228

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	43.8	35.0	52.6

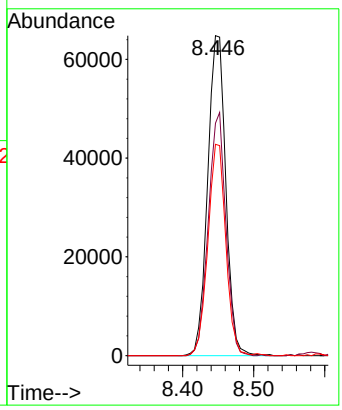




#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 11452

Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.1	87.1
77	66.0	52.8	79.2



Instrument :
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ClientSampleId :
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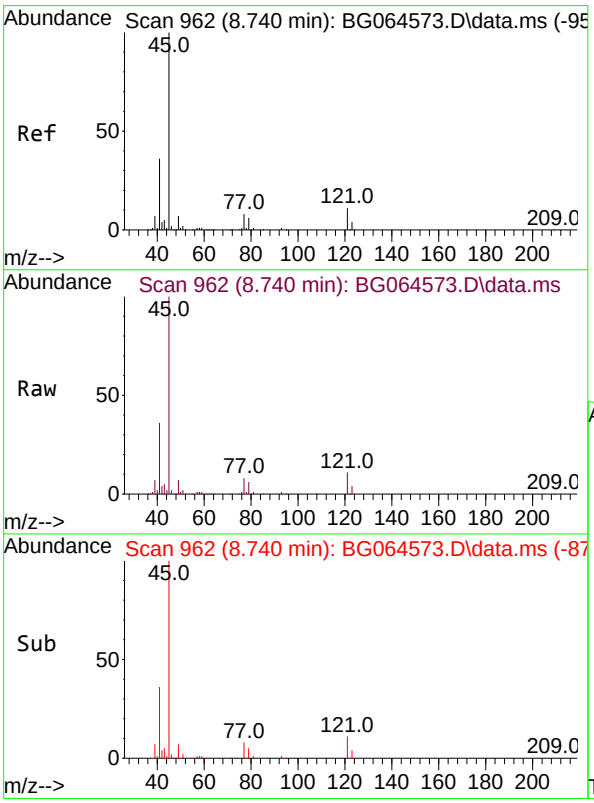
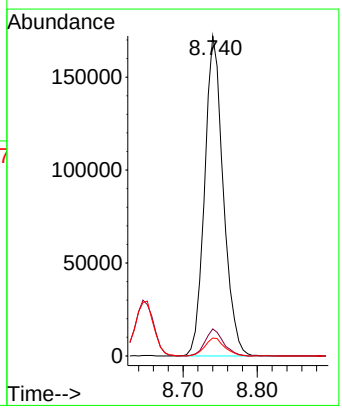
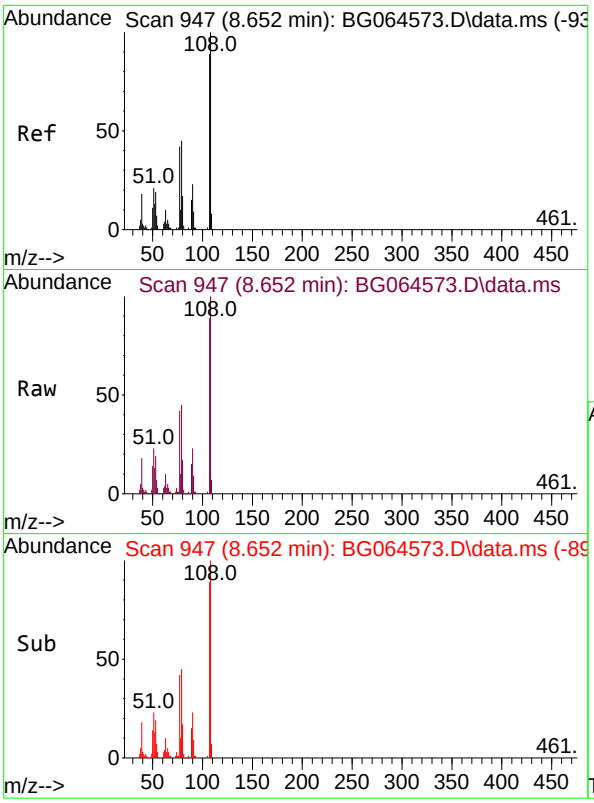


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 45 Resp: 300095

Ion	Ratio	Lower	Upper
45	100		
77	8.5	0.0	28.5
79	5.6	0.0	25.6

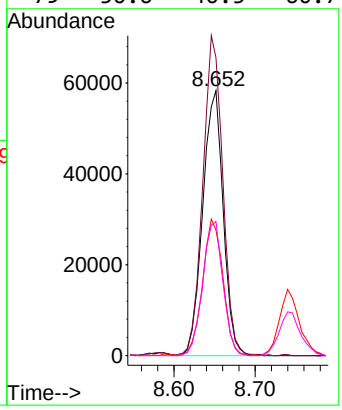




#17
2-Methylphenol
Concen: 42.405 ng
RT: 8.652 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 10231

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	47.3	37.8	56.8
79	50.6	40.5	60.7



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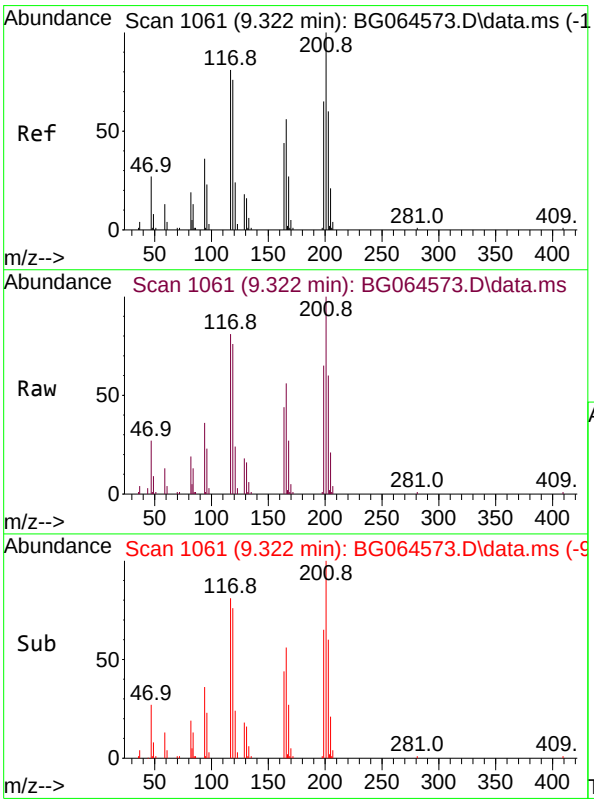
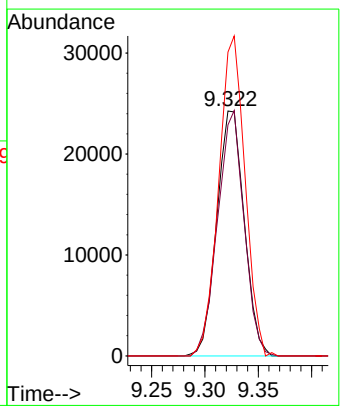
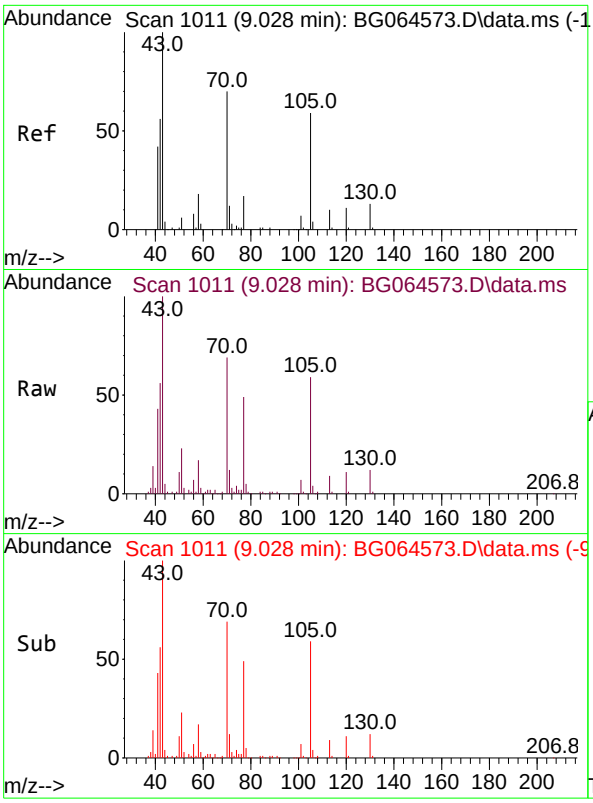


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:117 Resp: 43488

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
201	124.0	99.2	148.8

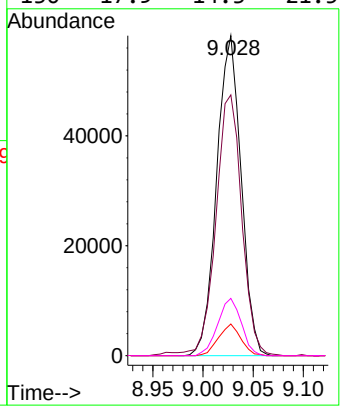




#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 70 Resp: 9864

Ion	Ratio	Lower	Upper
70	100		
42	81.5	65.2	97.8
101	9.9	7.9	11.9
130	17.9	14.3	21.5



Instrument :
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ClientSampleId :
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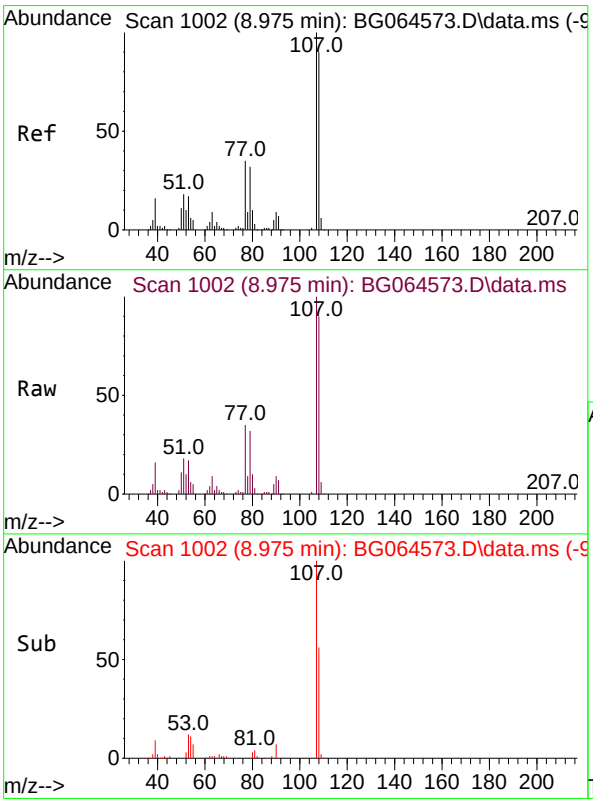
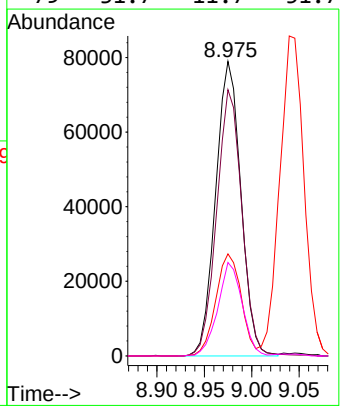
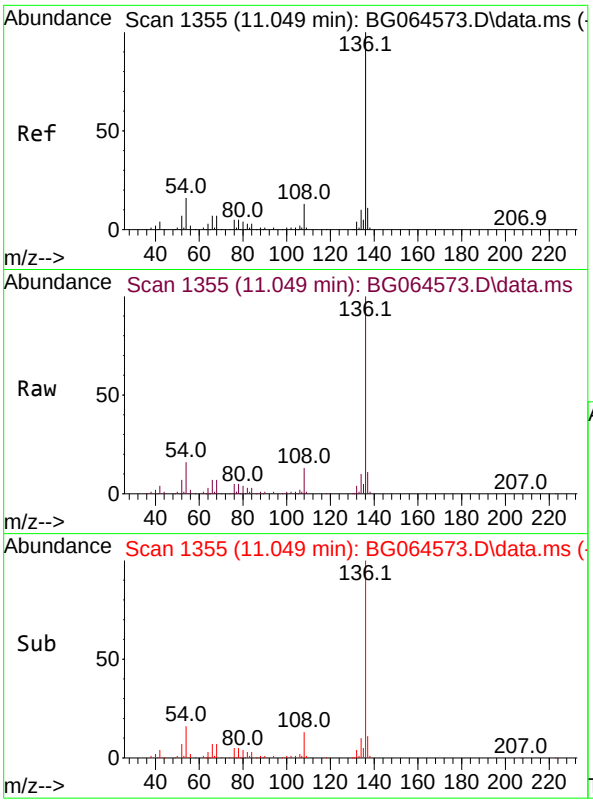


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 146177

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.3	110.3
77	34.6	14.6	54.6
79	31.7	11.7	51.7

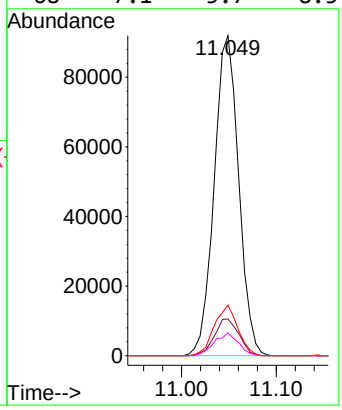




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:136 Resp: 16479

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	15.8	12.6	19.0
68	7.1	5.7	8.5



Instrument :
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ClientSampleId :
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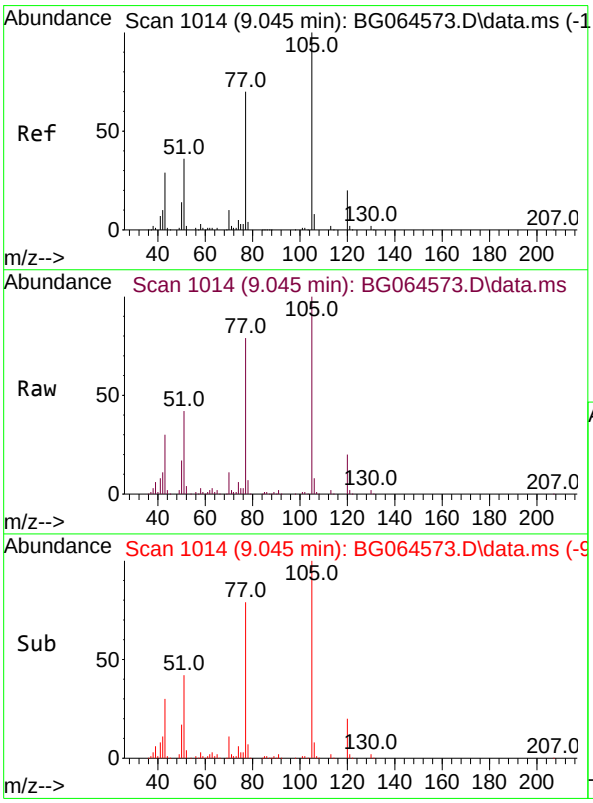
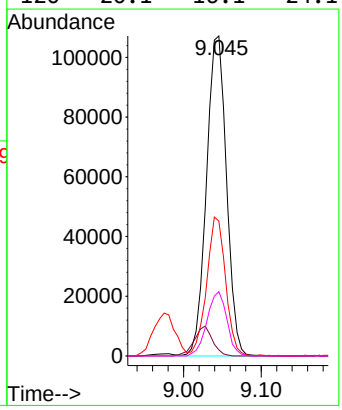
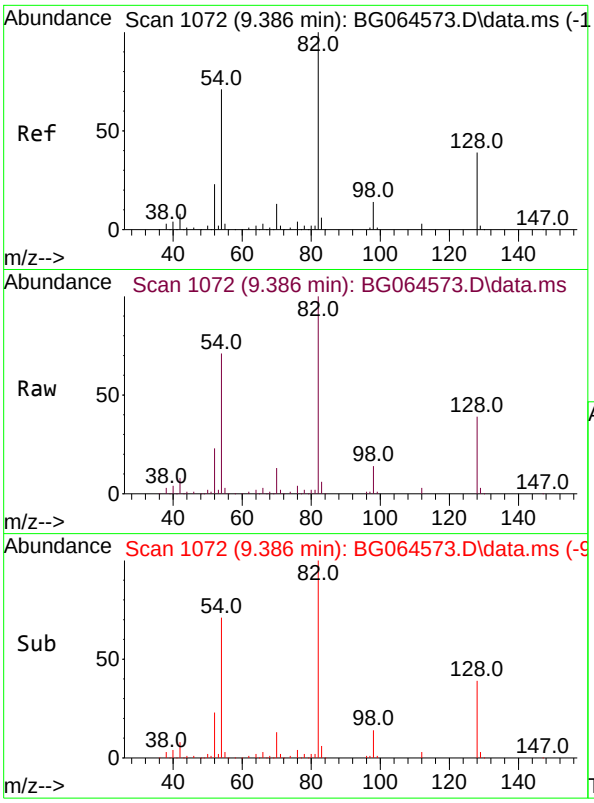


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	42.1	33.7	50.5
120	20.1	16.1	24.1

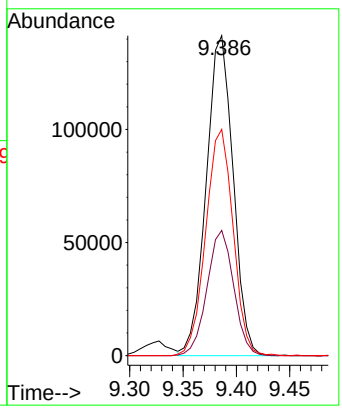




#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 24834

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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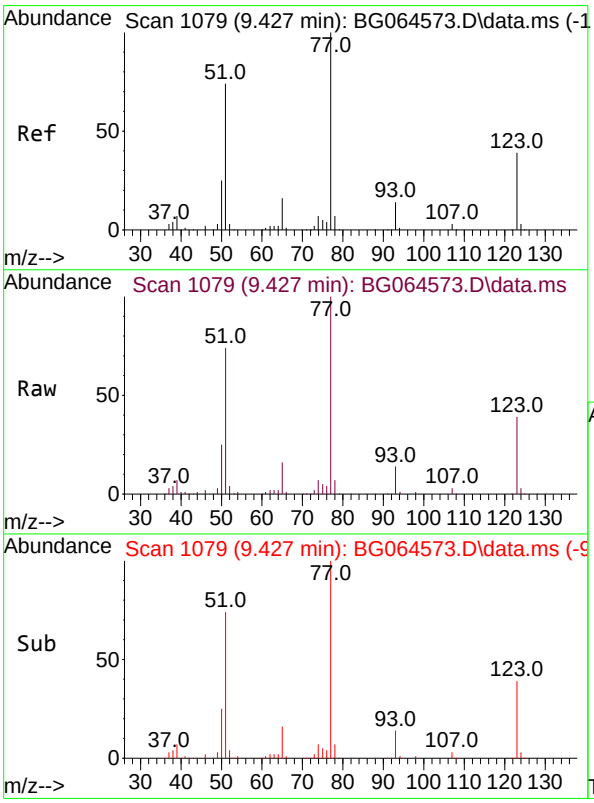
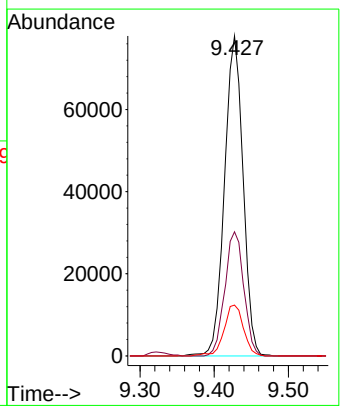
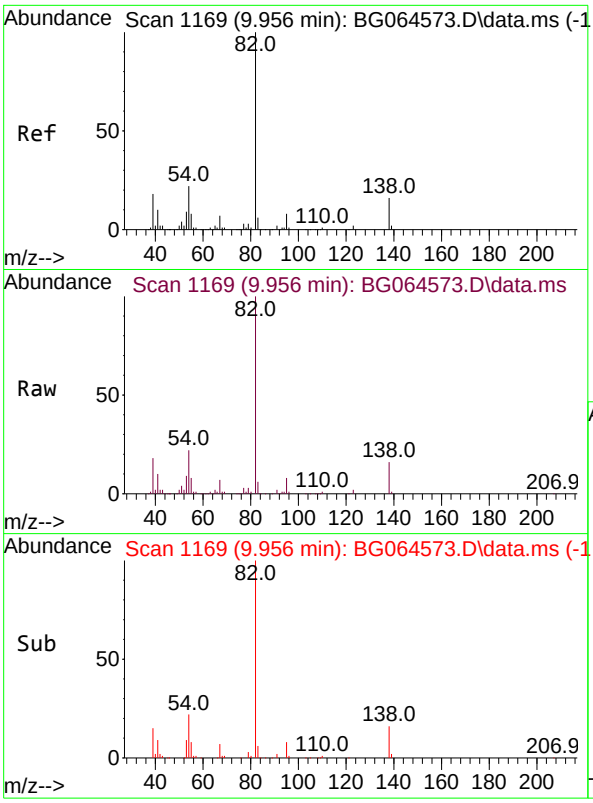


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 135107

Ion	Ratio	Lower	Upper
77	100		
123	38.8	31.0	46.6
65	15.9	12.7	19.1

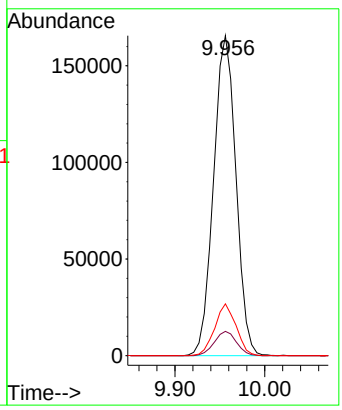




#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 28643

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
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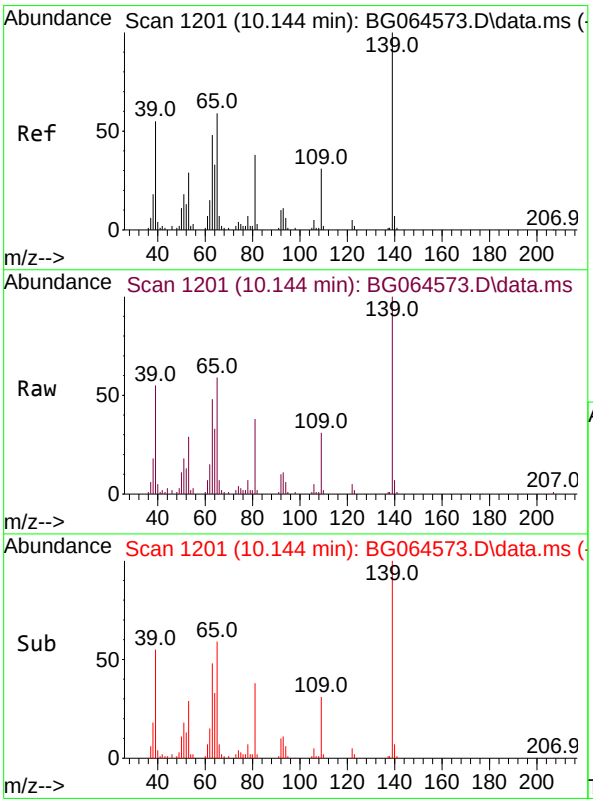
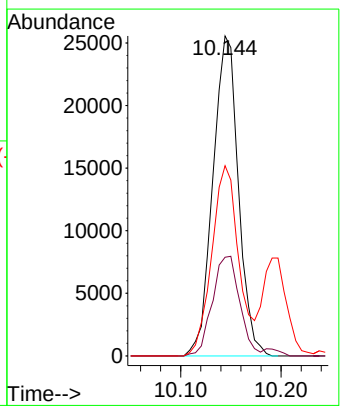
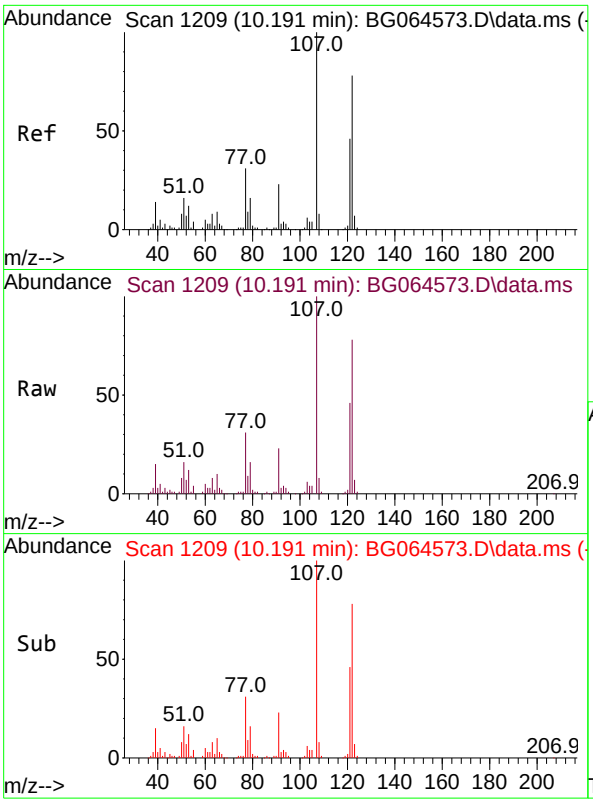


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 45134

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	59.4	47.5	71.3

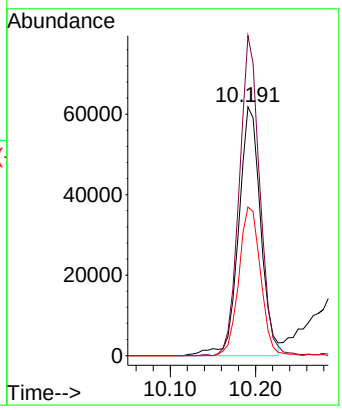




#27
2,4-Dimethylphenol
Concen: 45.129 ng
RT: 10.191 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 11051

Ion	Ratio	Lower	Upper
122	100		
107	128.7	103.0	154.4
121	59.8	47.8	71.8



Instrument :
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ClientSampleId :
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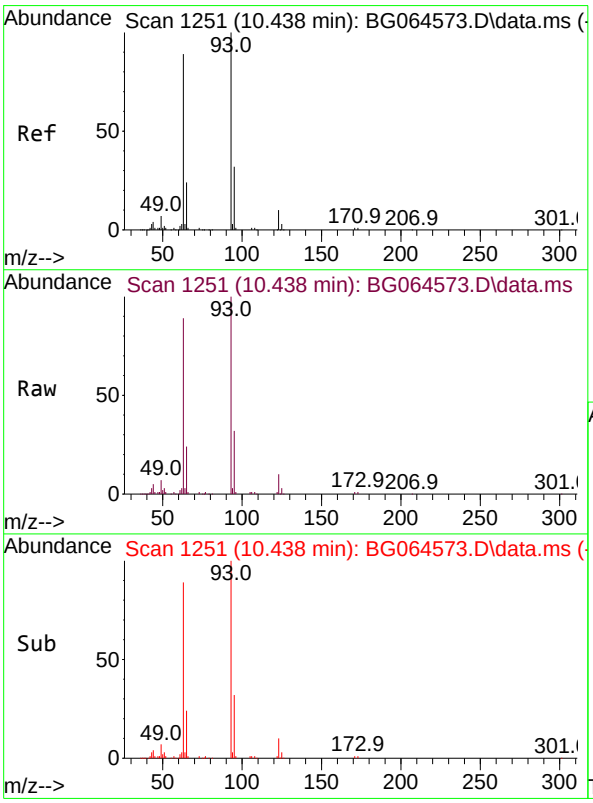
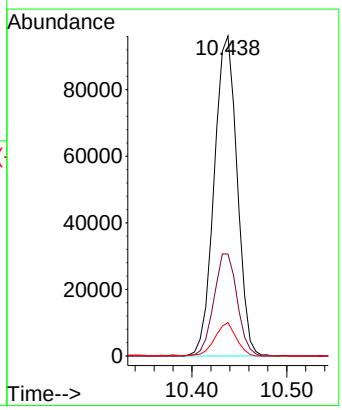
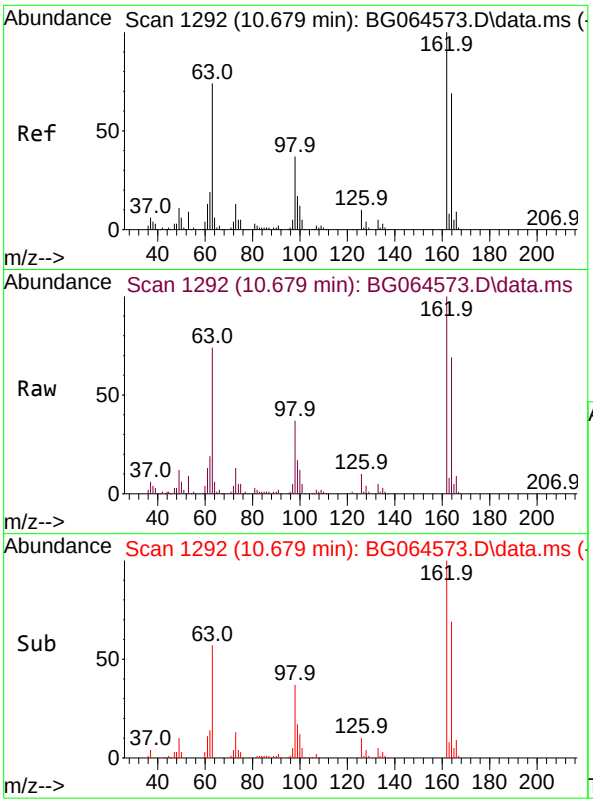


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 161449

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.5	8.4	12.6

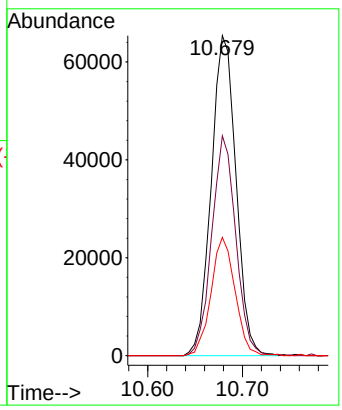




#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 11866

Ion	Ratio	Lower	Upper
162	100		
164	68.7	48.7	88.7
98	36.9	16.9	56.9



Instrument :
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ClientSampleId :
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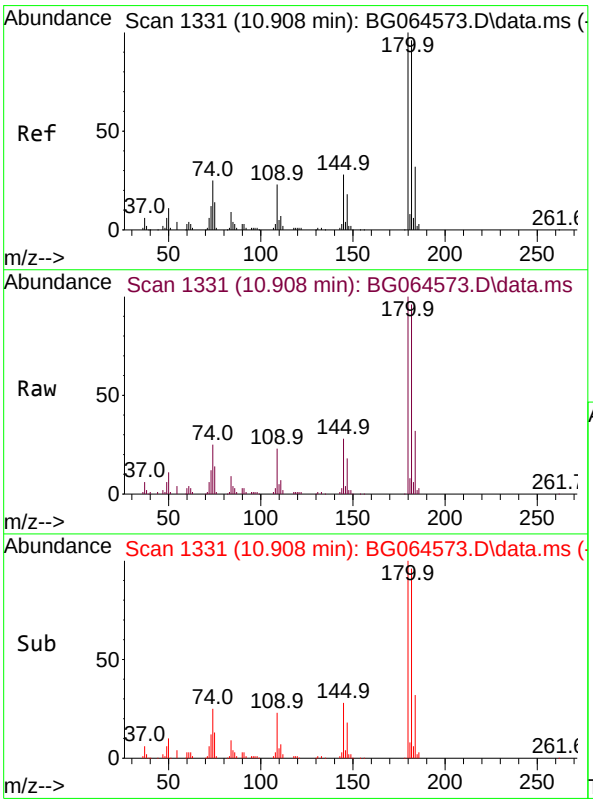
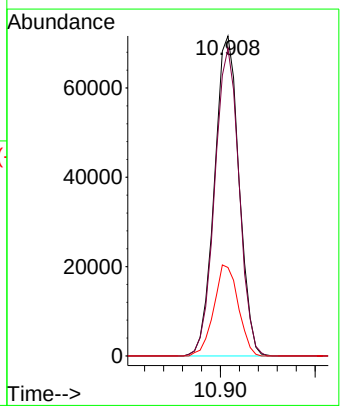
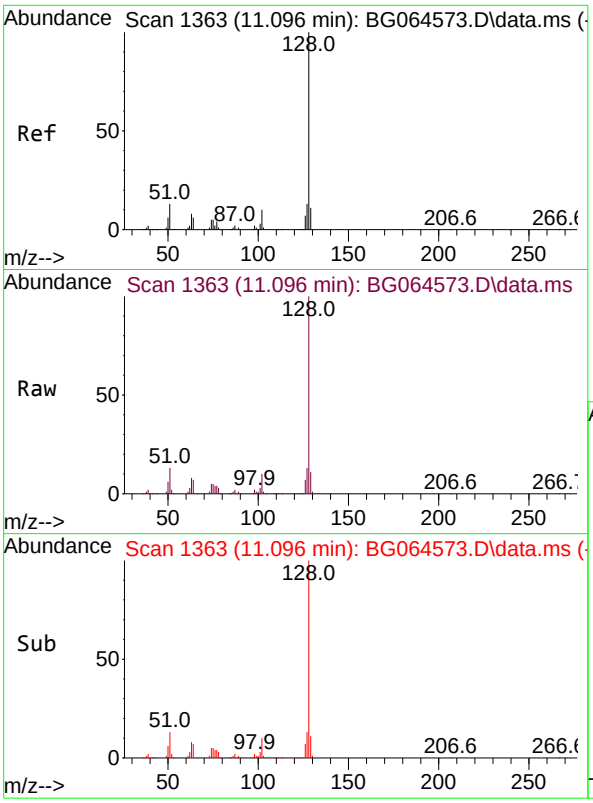


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:180 Resp: 128902

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	27.6	22.1	33.1

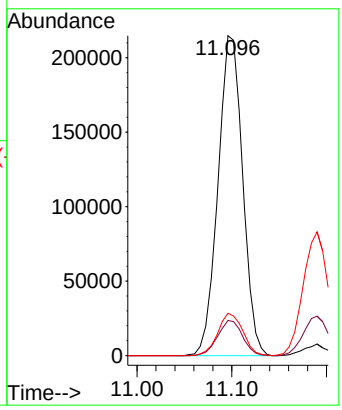




#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 38803

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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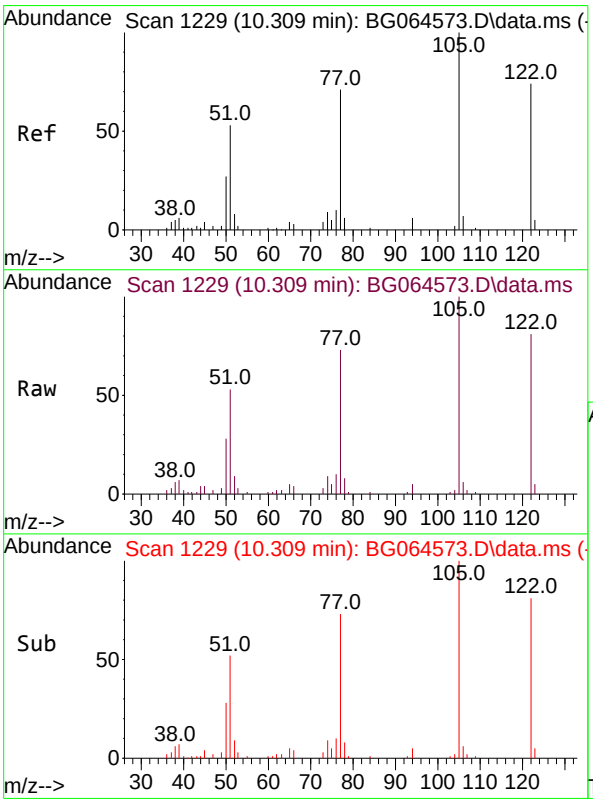
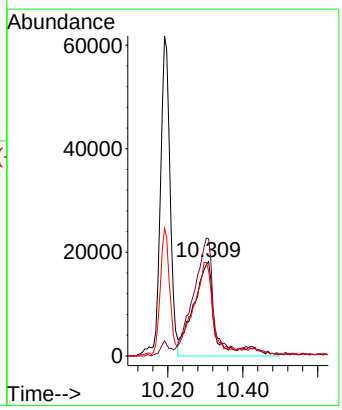
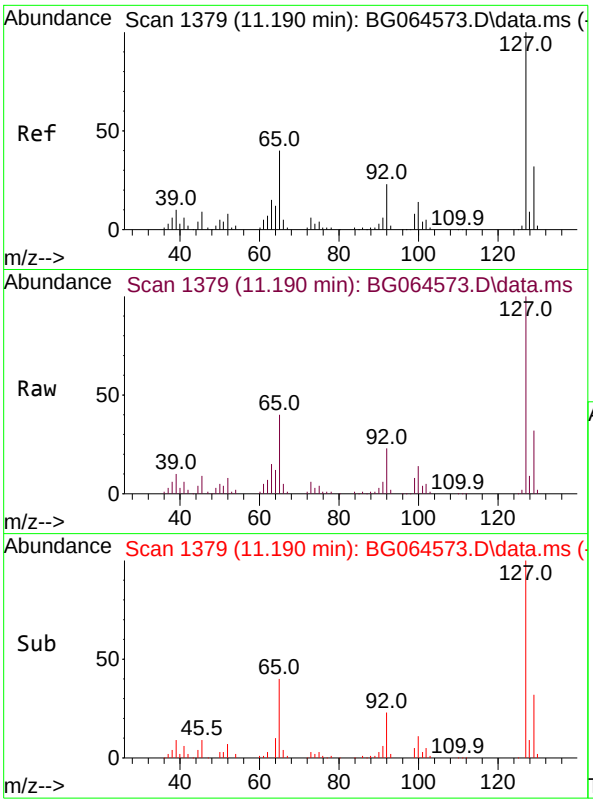


#32
Benzoic acid
Concen: 40.425 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 73604

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.2	144.2
77	90.2	70.2	110.2

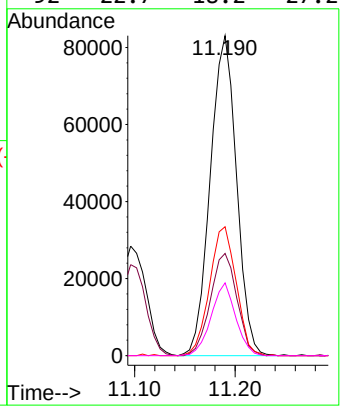




#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:127 Resp: 15123

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.3	32.2	48.4
92	22.7	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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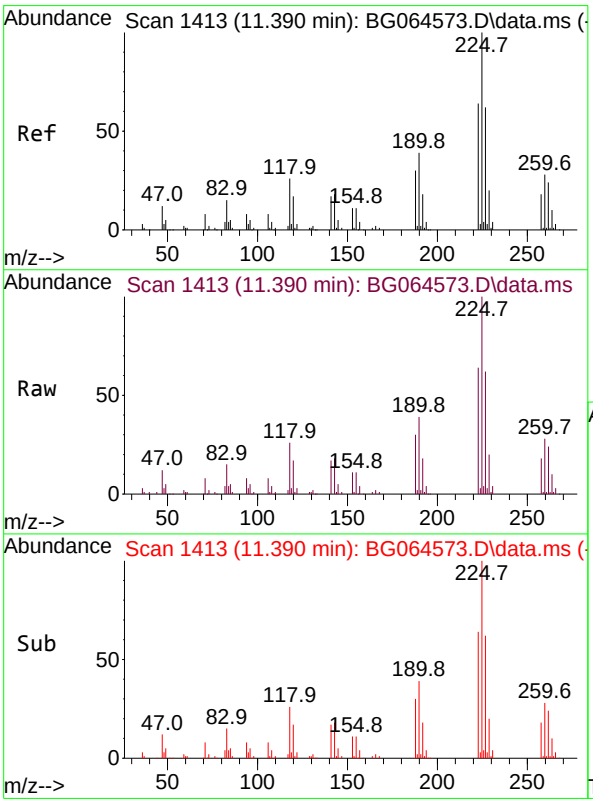
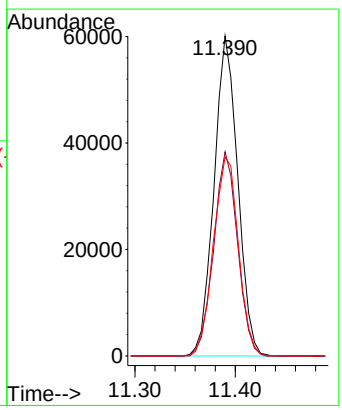
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

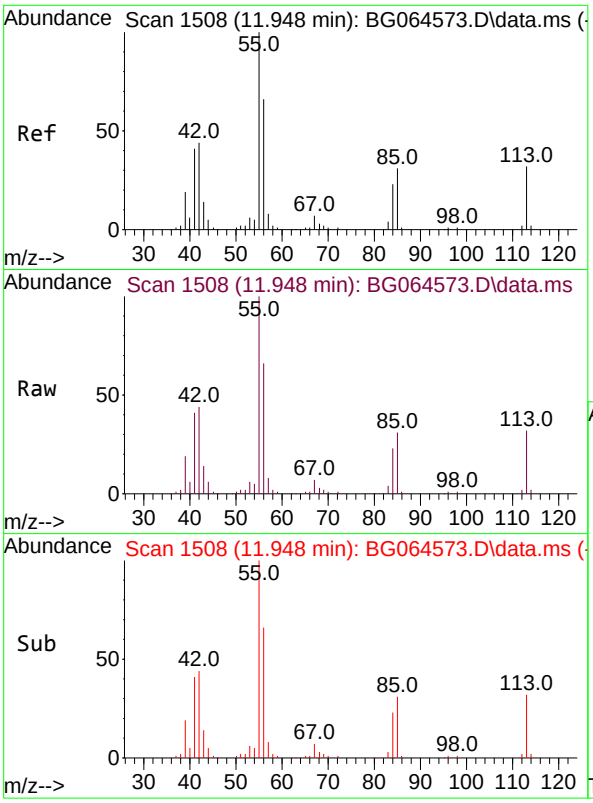


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:225 Resp: 98683

Ion	Ratio	Lower	Upper
225	100		
223	61.0	48.8	73.2
227	61.9	49.5	74.3

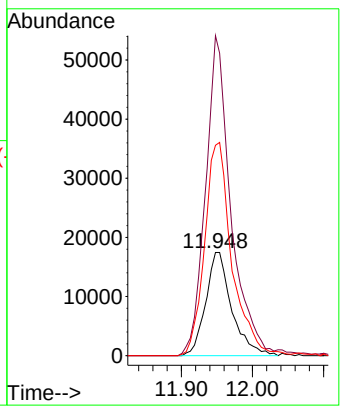




#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:113 Resp: 4420

Ion	Ratio	Lower	Upper
113	100		
55	310.1	290.1	330.1
56	203.8	183.8	223.8



Instrument :
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ClientSampleId :
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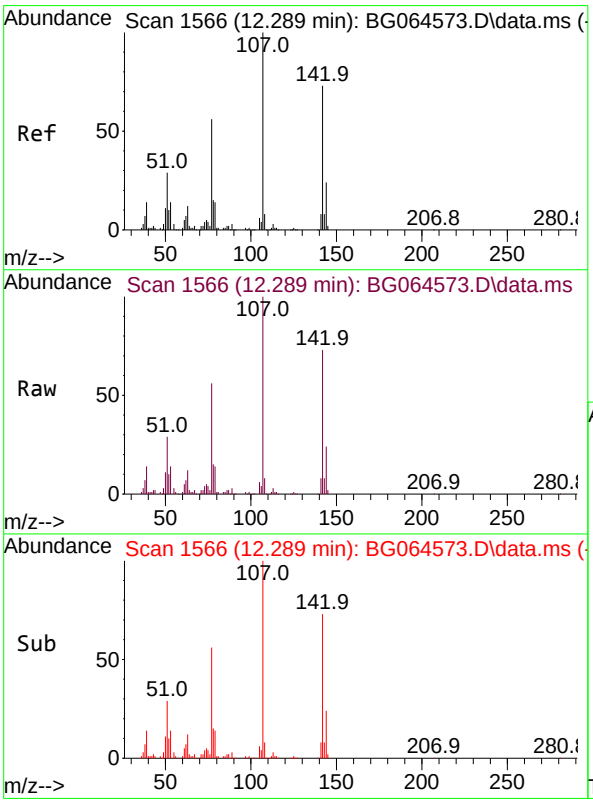
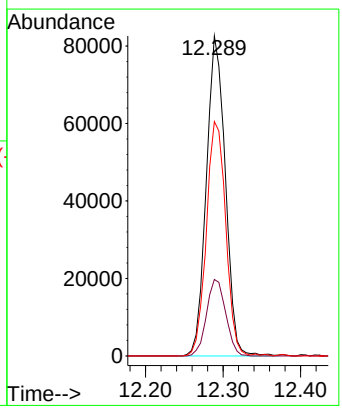
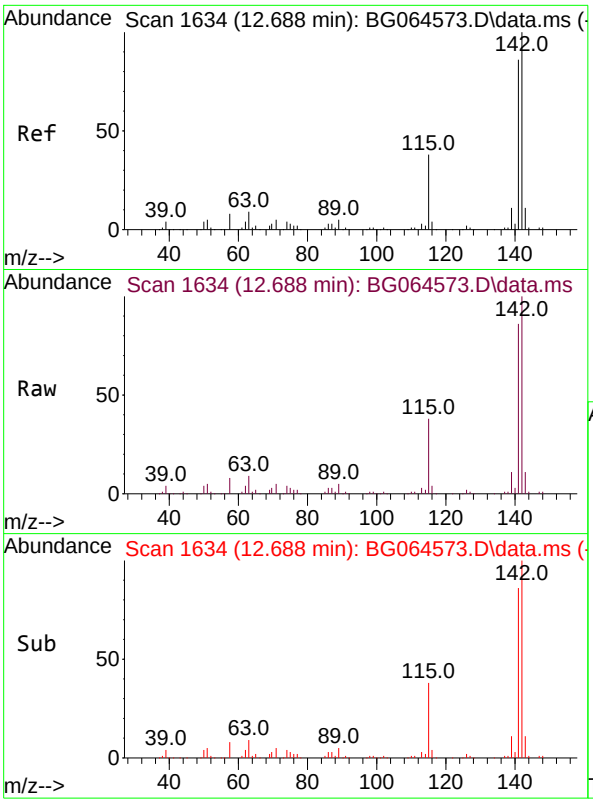


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 140272

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	73.2	58.6	87.8

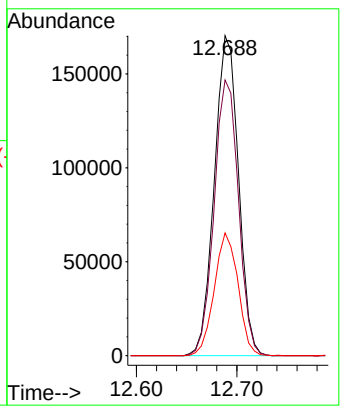




#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 28508

Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	38.3	30.6	46.0



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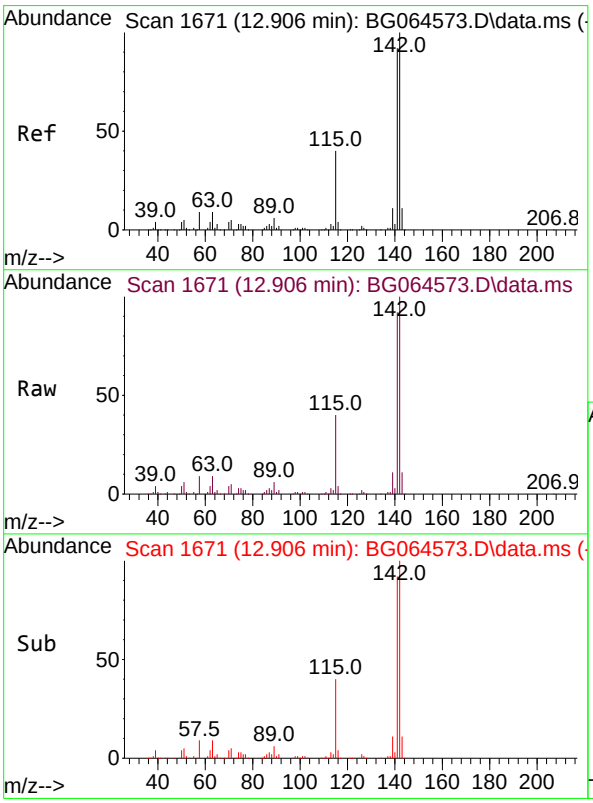
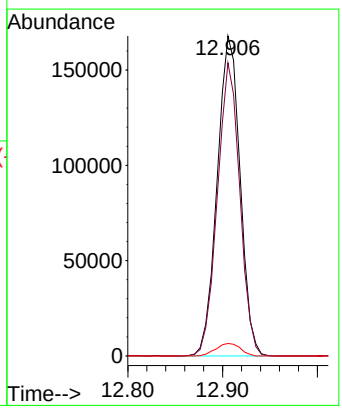
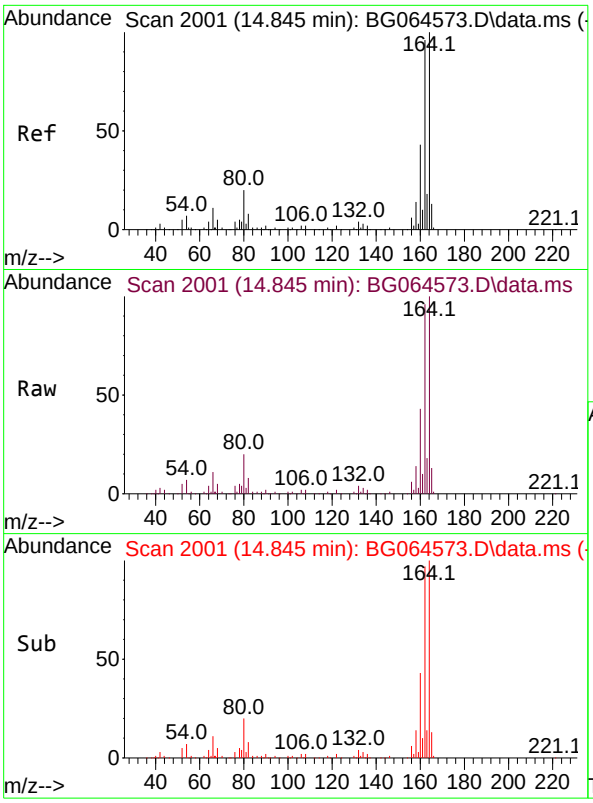


#38
1-Methylnaphthalene
Concen: 42.362 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 281256

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	3.9	3.1	4.7

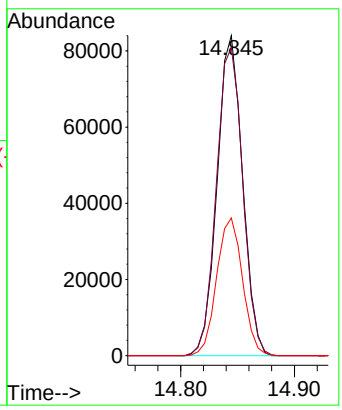




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:164 Resp: 13054

Ion	Ratio	Lower	Upper
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6



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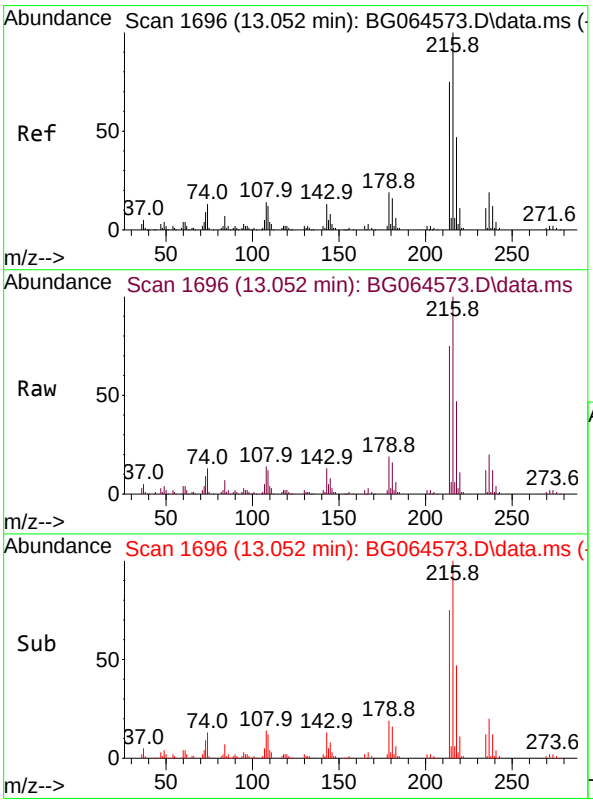
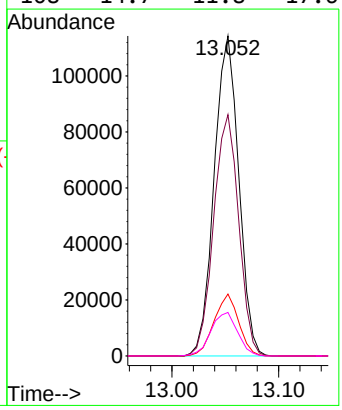
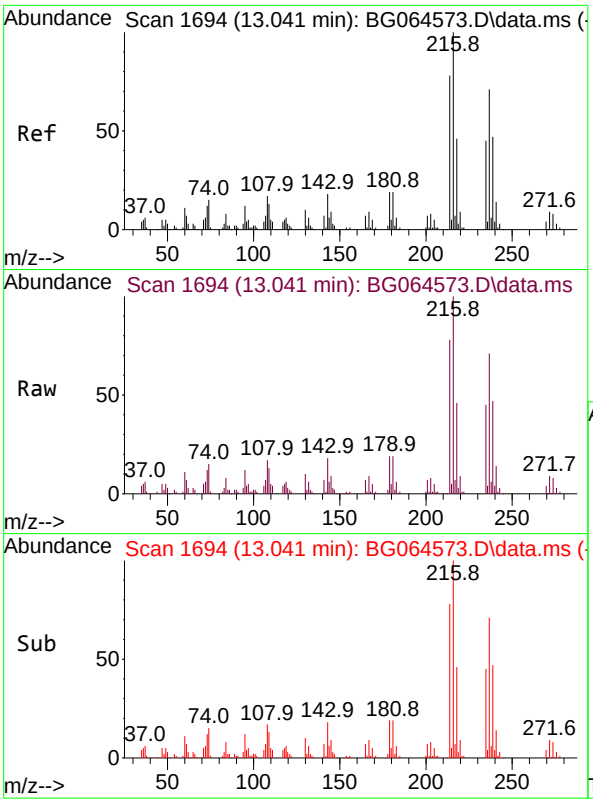


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:216 Resp: 183376

Ion	Ratio	Lower	Upper
216	100		
214	76.8	61.4	92.2
179	19.2	15.4	23.0
108	14.7	11.8	17.6

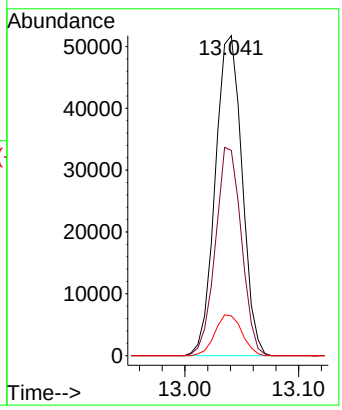




#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:237 Resp: 8450

Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.1	84.1
272	12.4	0.0	32.4



Instrument :
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ClientSampleId :
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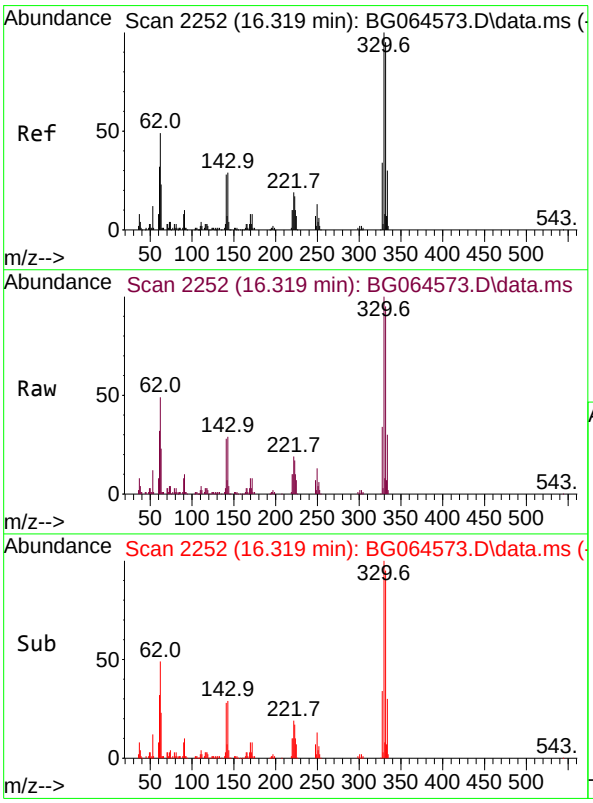
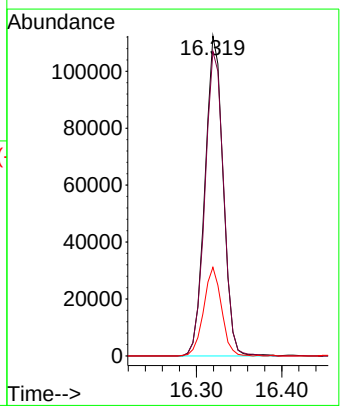
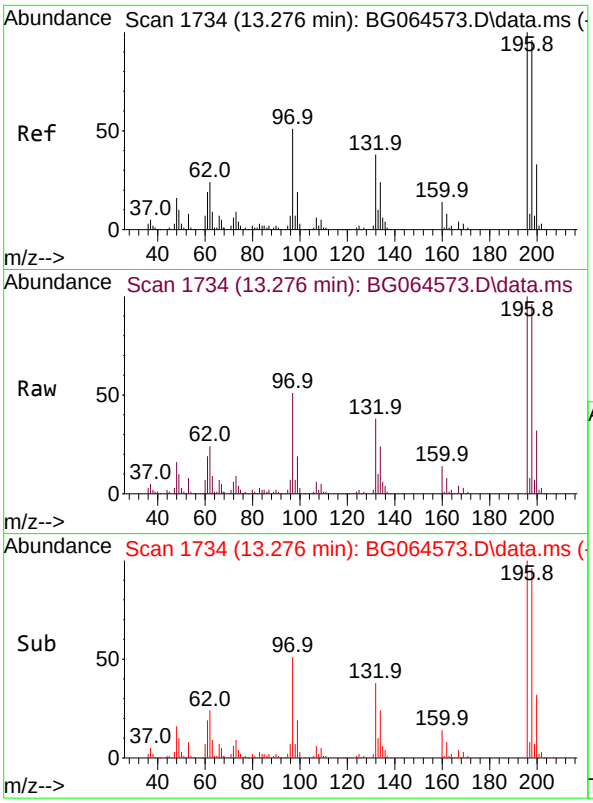


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:330 Resp: 165976

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 44.097 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 11050

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	32.5	26.0	39.0

Instrument :
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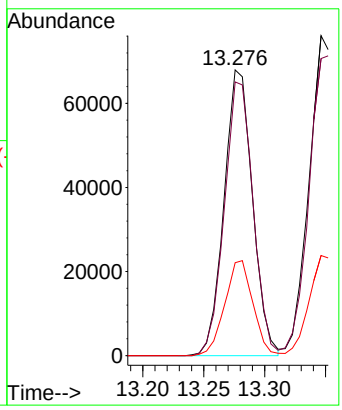
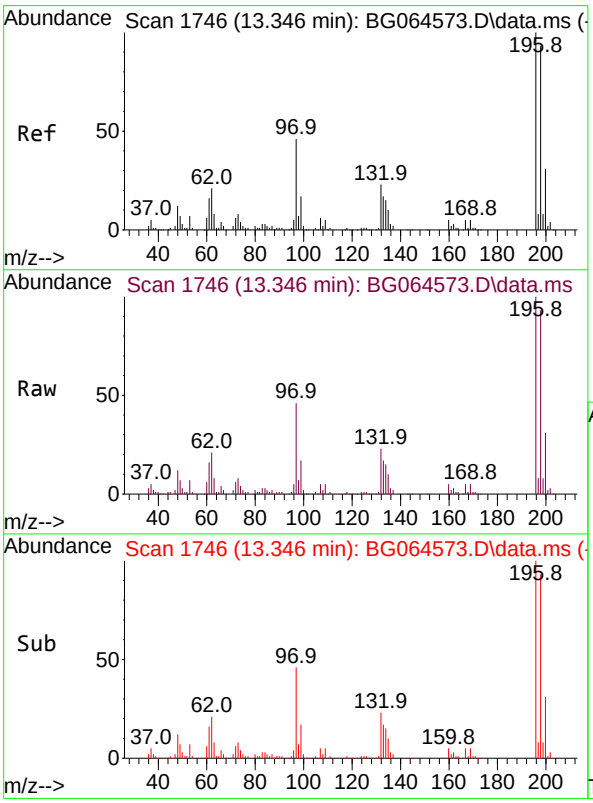
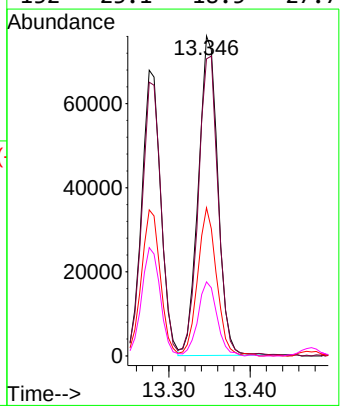


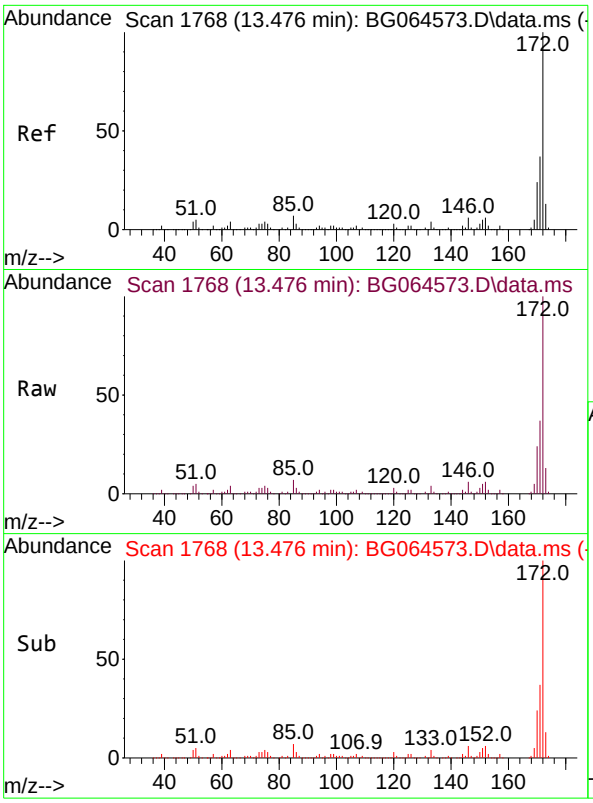


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

Ion	Ratio	Lower	Upper
196	100		
198	92.8	74.2	111.4
97	46.3	37.0	55.6
132	23.1	18.5	27.7

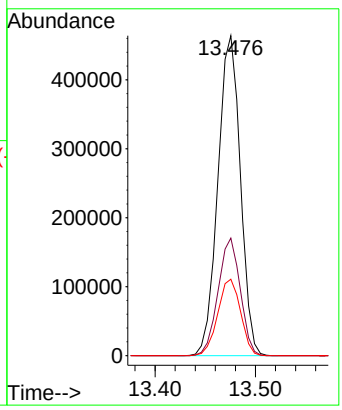




#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:172 Resp: 72247

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7



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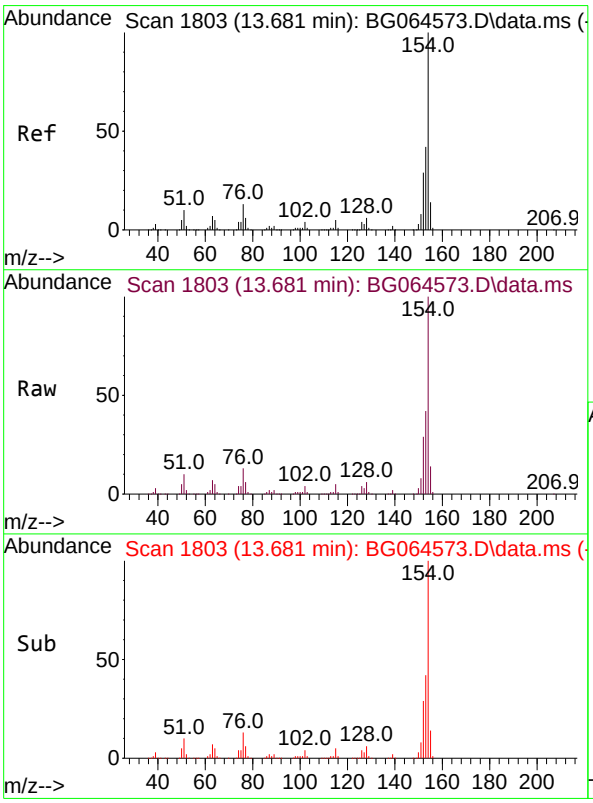
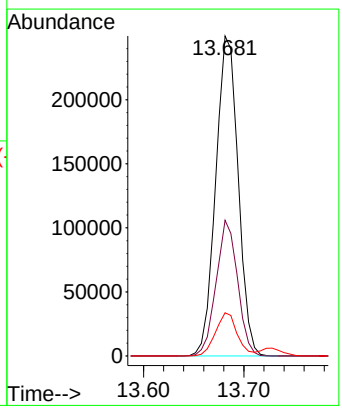
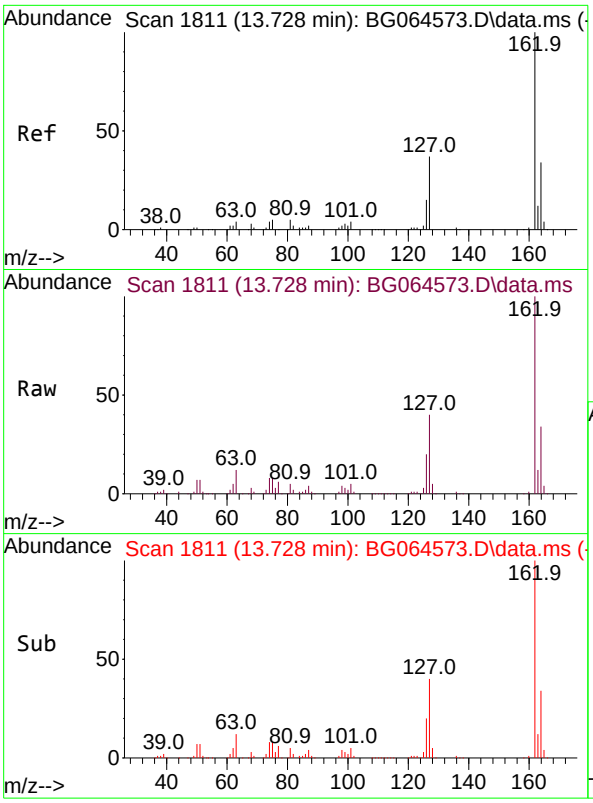


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 388718

Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.4	62.4
76	13.5	0.0	33.5

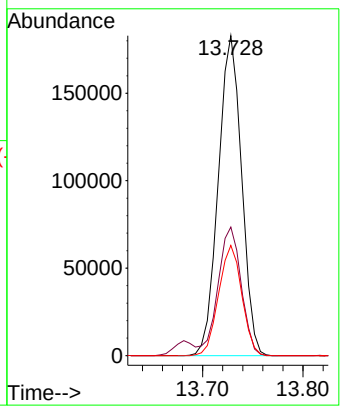




#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 29550

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3



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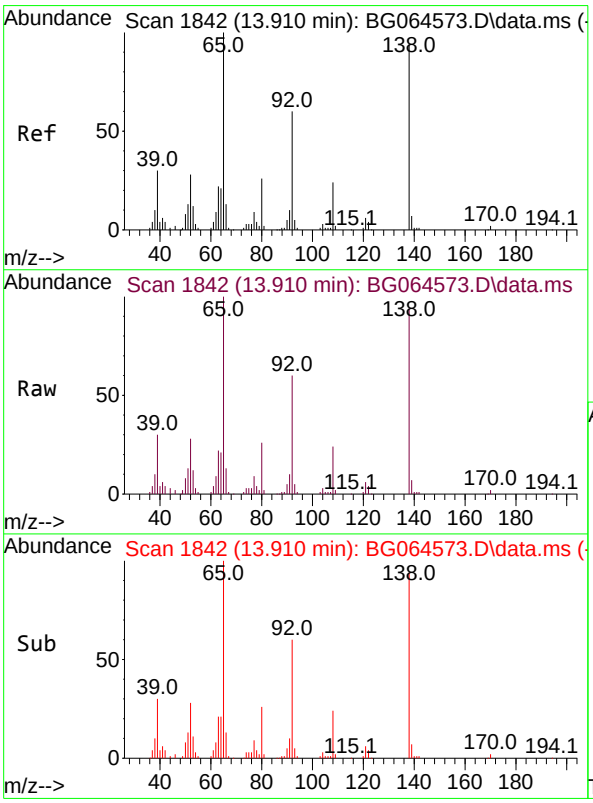
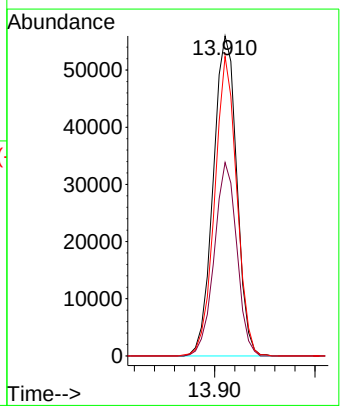
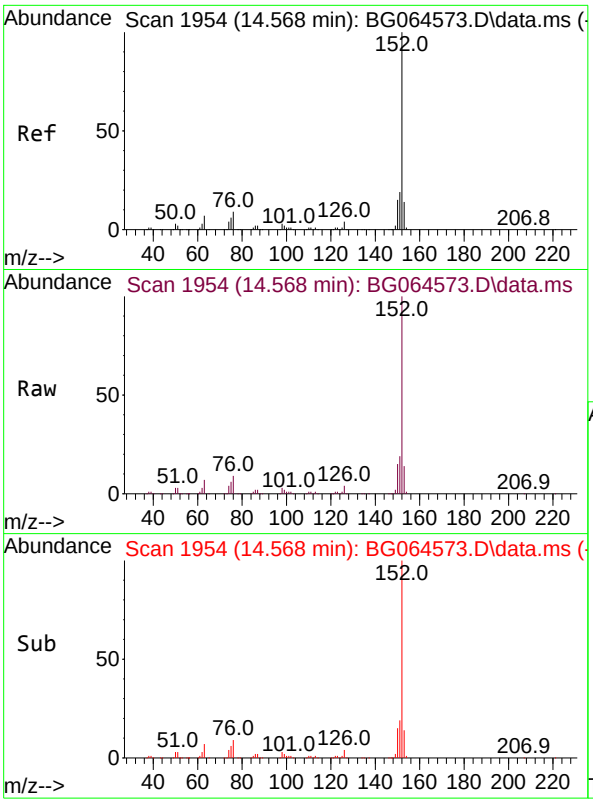


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 65 Resp: 90958

Ion	Ratio	Lower	Upper
65	100		
92	60.4	48.3	72.5
138	93.6	74.9	112.3





#49
Acenaphthylene
Concen: 42.209 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 46639

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.7	11.0	16.4

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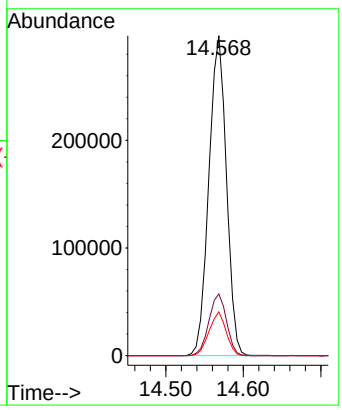
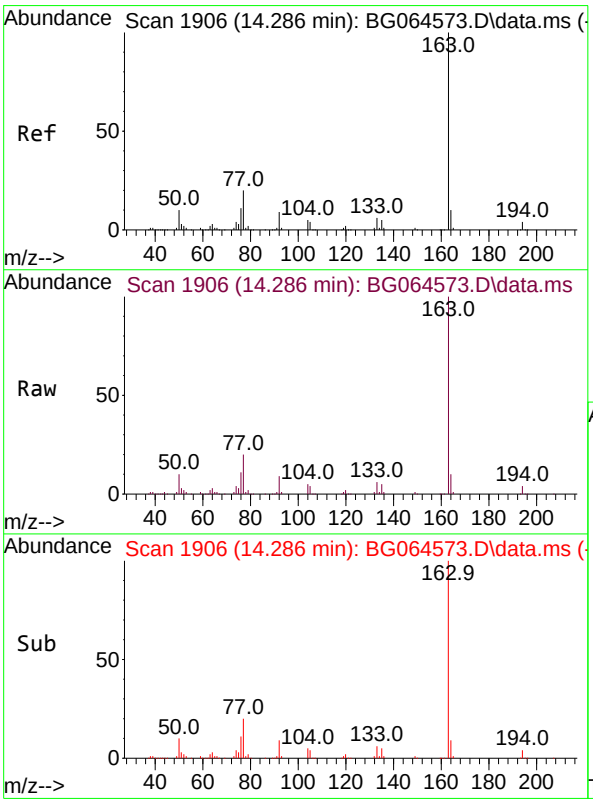
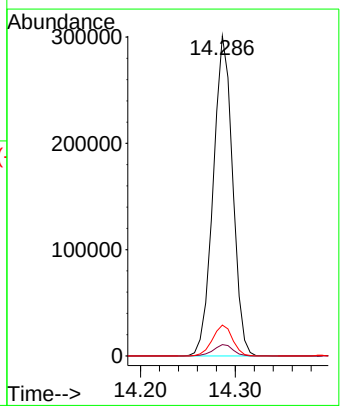


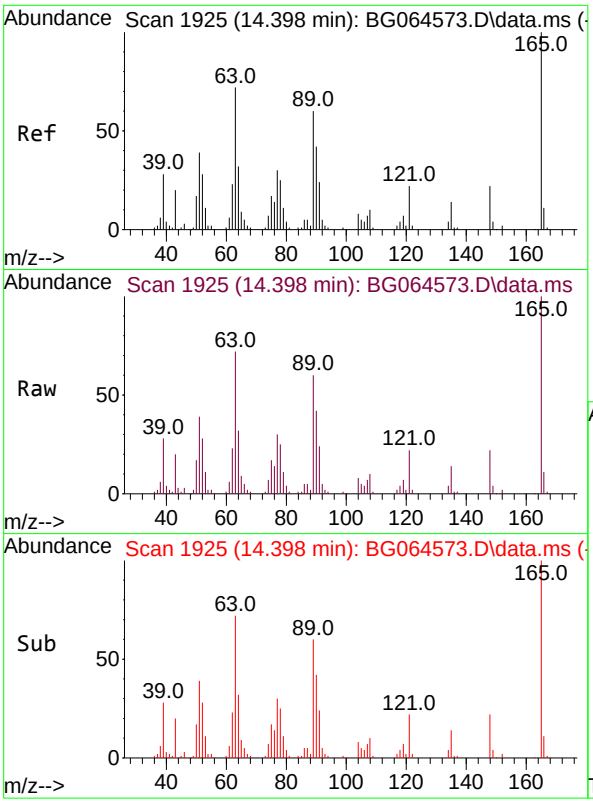


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:163 Resp: 428475

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.6	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 6445

Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	59.8	47.8	71.8

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ClientSampleId :
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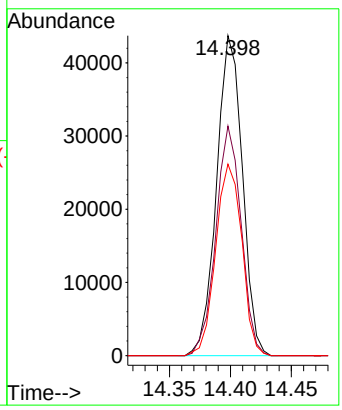
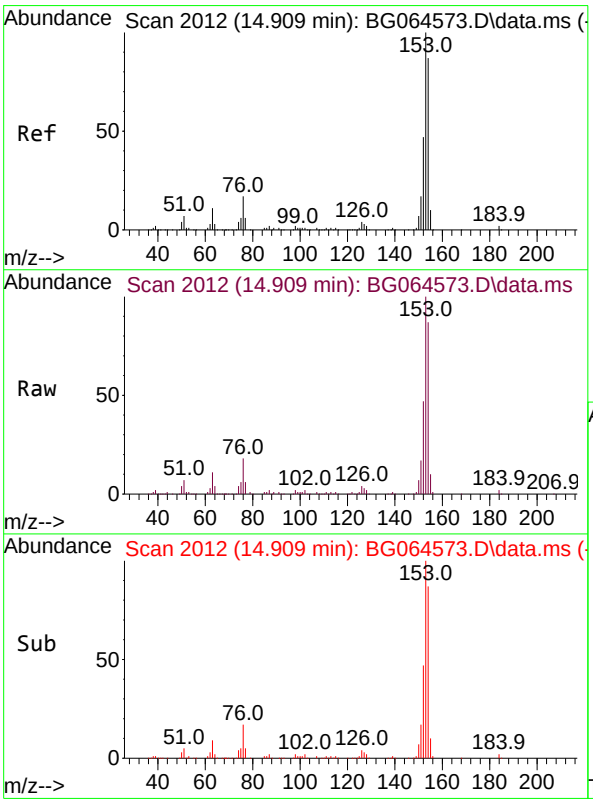
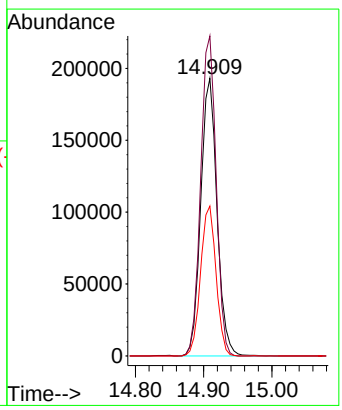


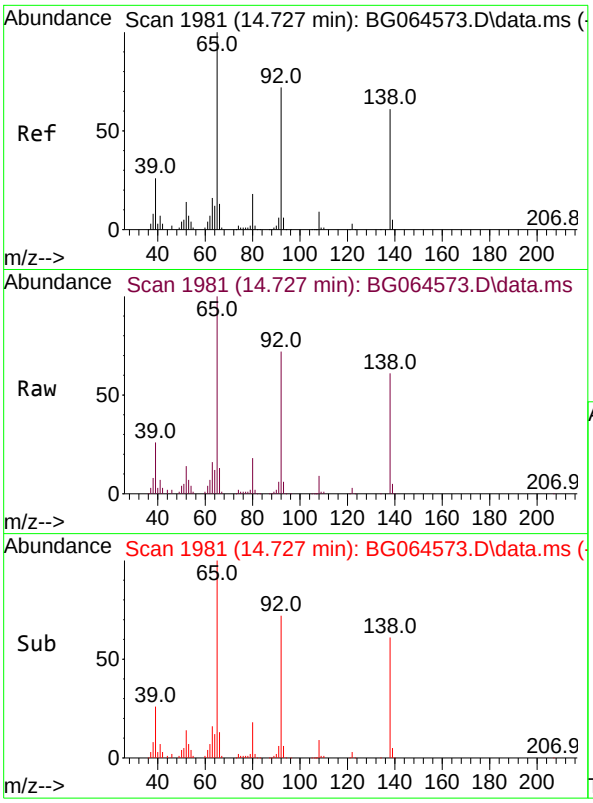


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.2	138.4
152	54.0	43.2	64.8

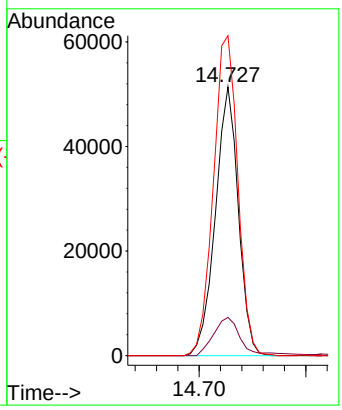




#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 7684

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	119.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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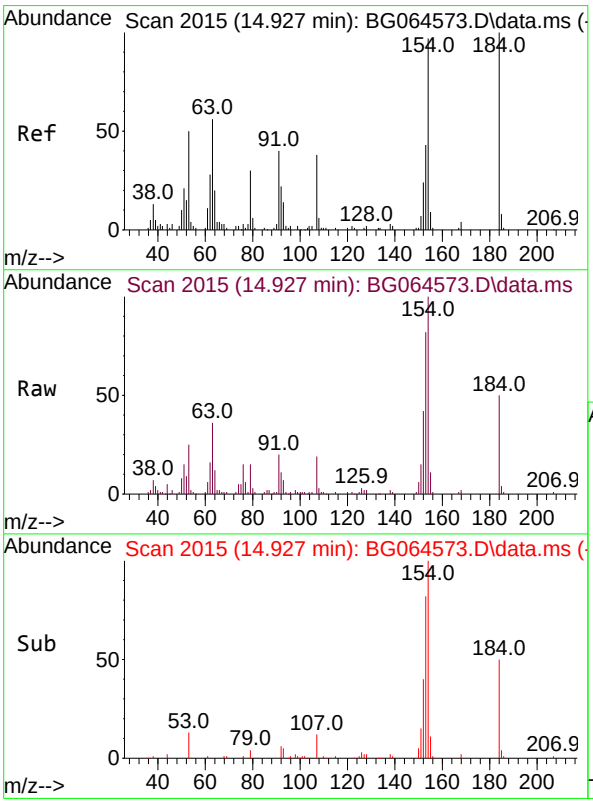
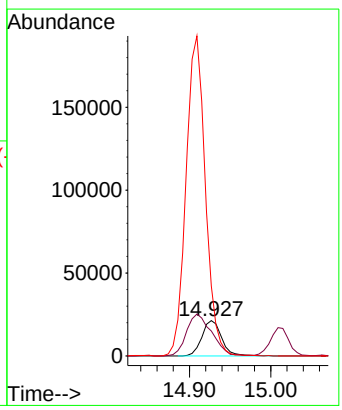
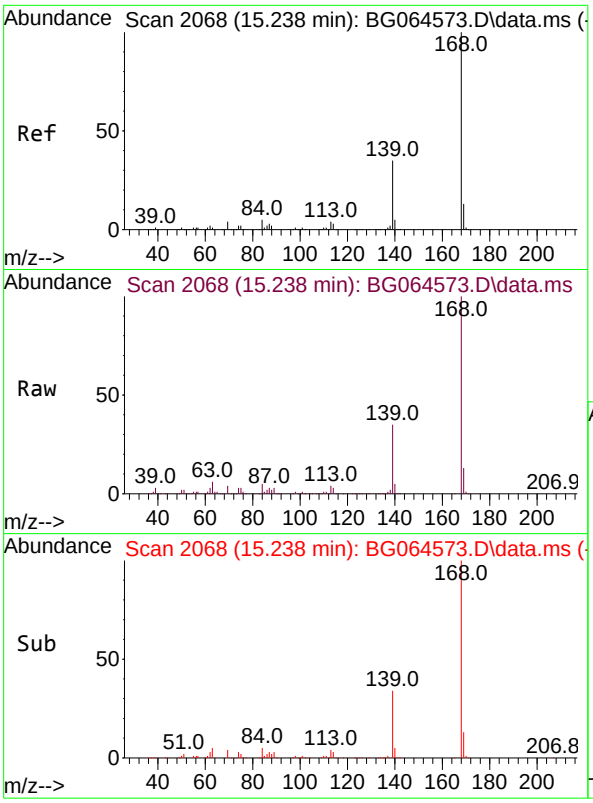


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 35677

Ion	Ratio	Lower	Upper
184	100		
63	70.8	56.6	85.0
154	198.3	158.6	238.0

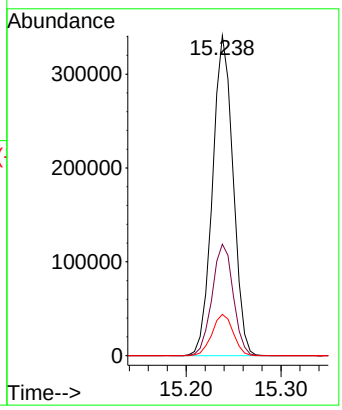




#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:168 Resp: 51254

Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	12.9	10.3	15.5



Instrument :
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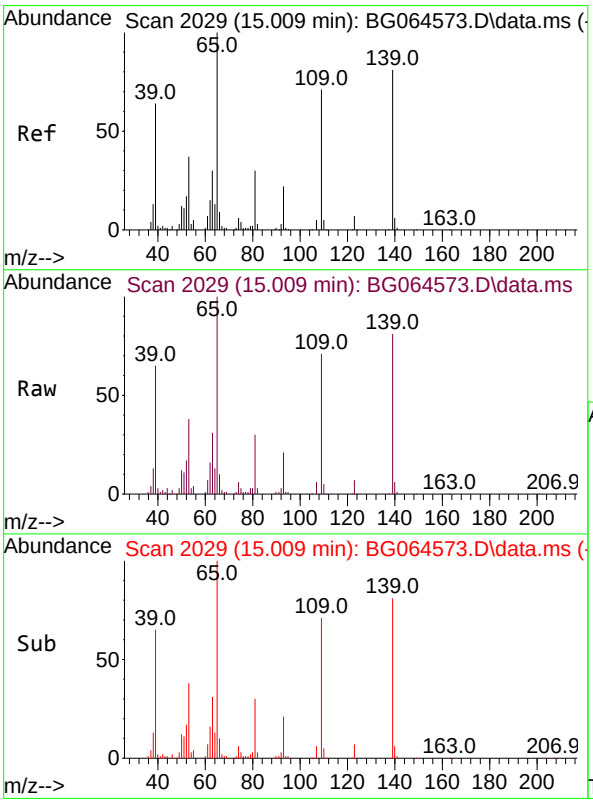
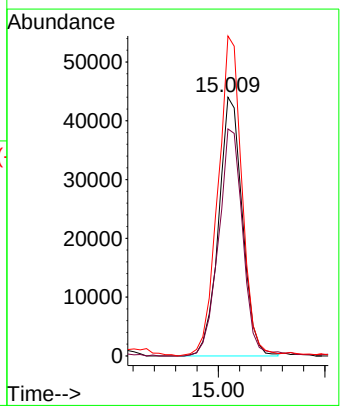
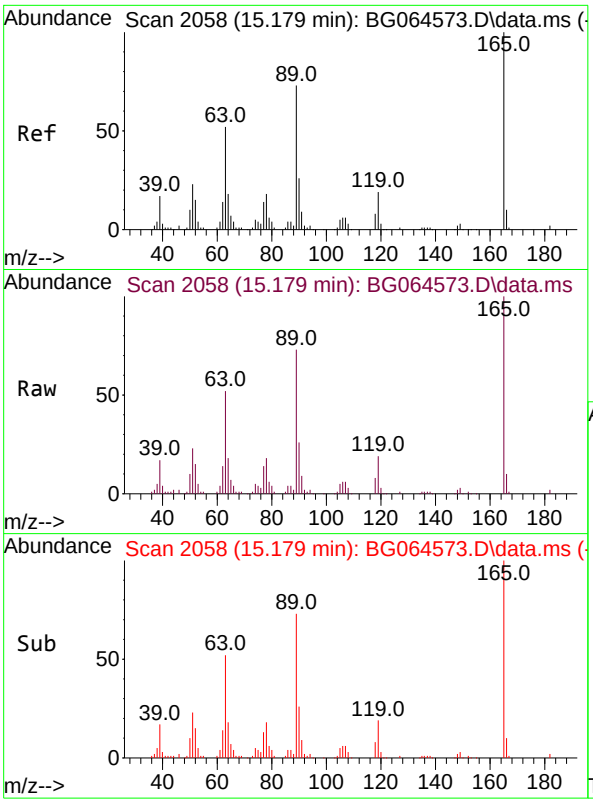


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 68064

Ion	Ratio	Lower	Upper
139	100		
109	87.8	67.8	107.8
65	123.7	103.7	143.7

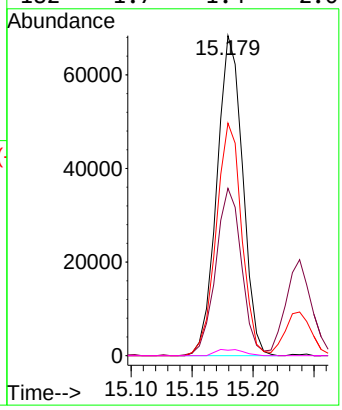




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 10044

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	72.6	58.1	87.1
182	1.7	1.4	2.0



Instrument :
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ClientSampleId :
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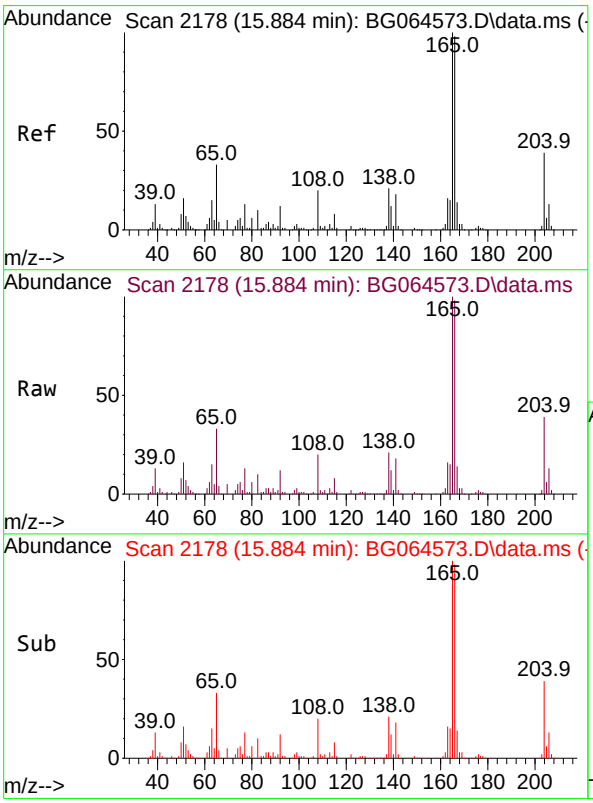
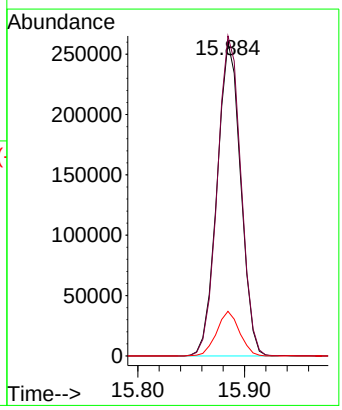
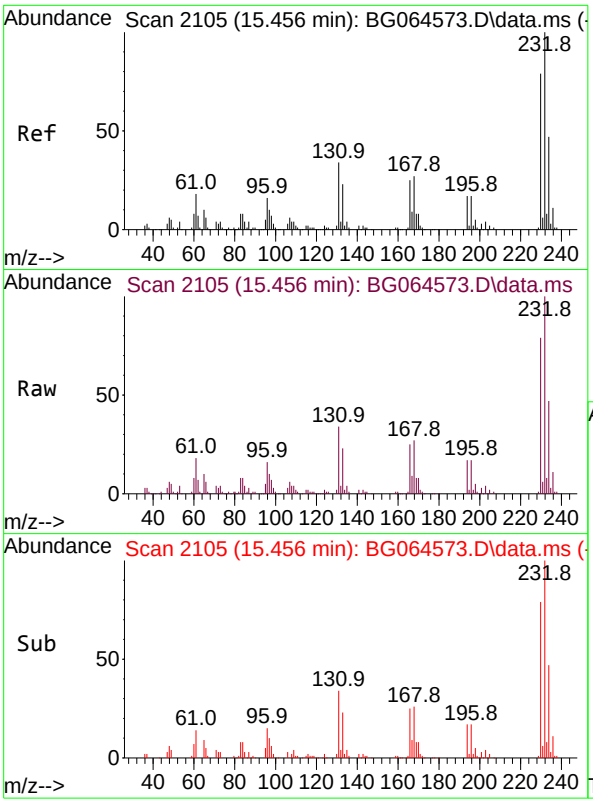


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:166 Resp: 399745

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.2	11.4	17.0

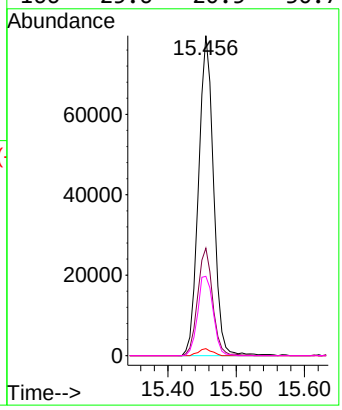




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:232 Resp: 12176

Ion	Ratio	Lower	Upper
232	100		
131	33.4	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
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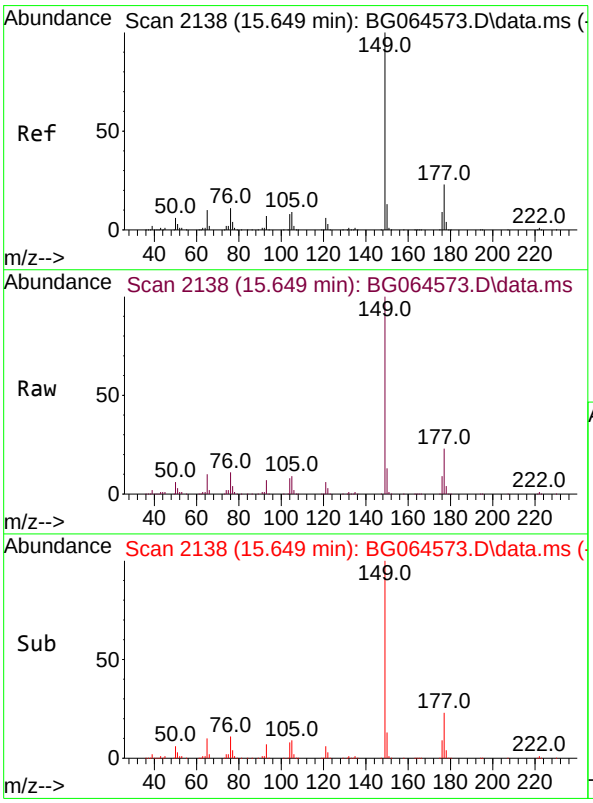
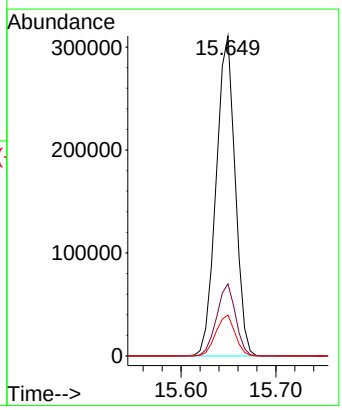
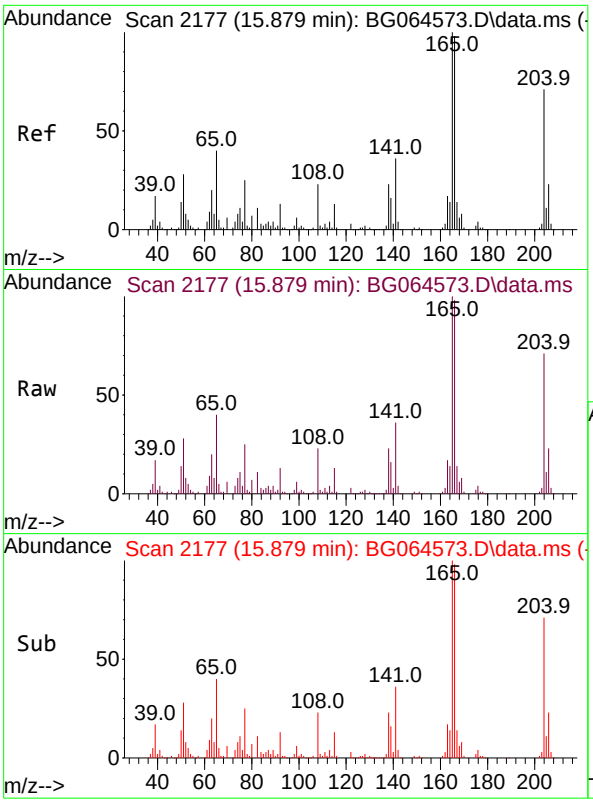


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 432571

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4

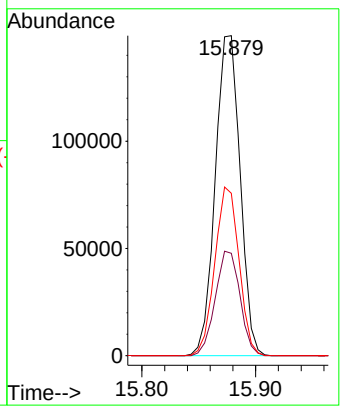




#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:204 Resp: 22610

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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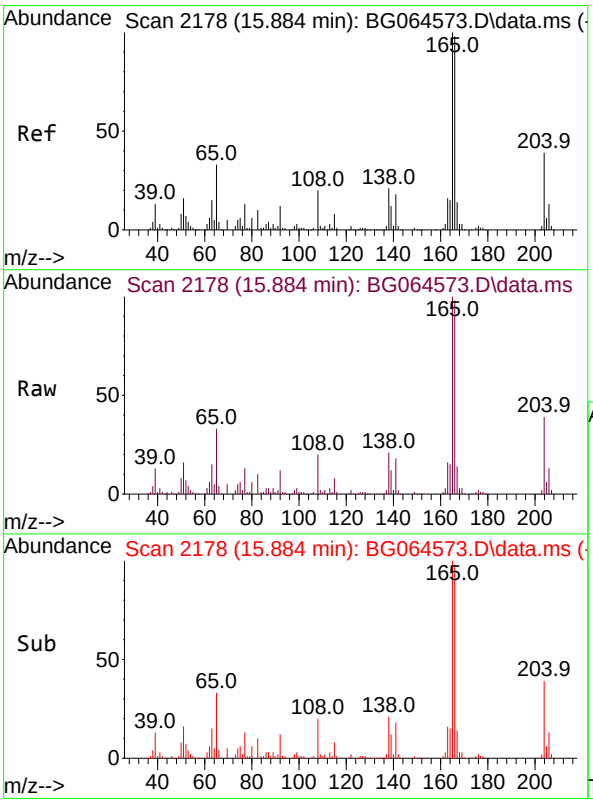
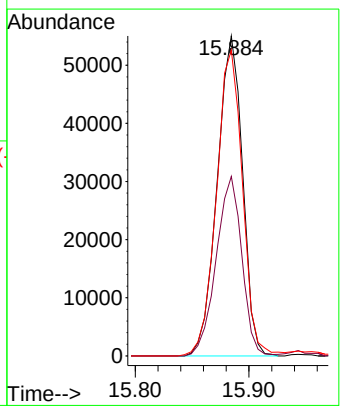
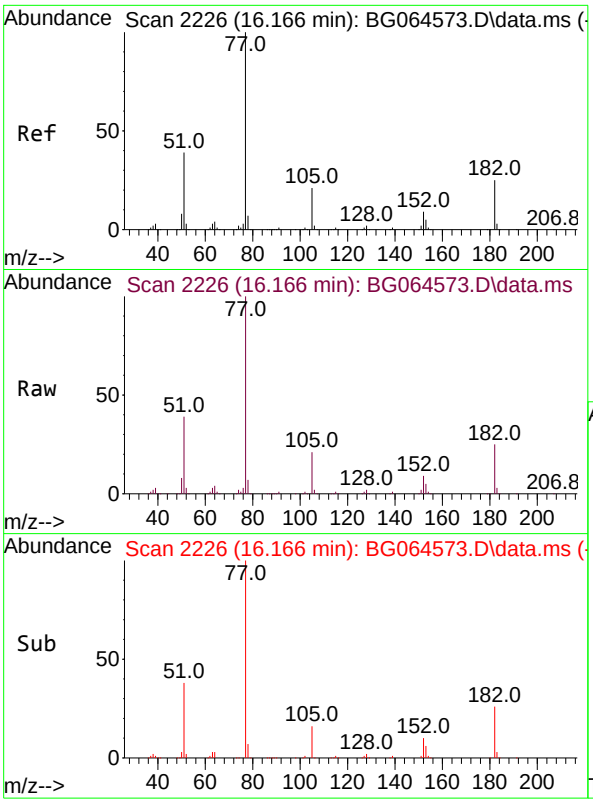


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 85297

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	95.6	75.6	115.6

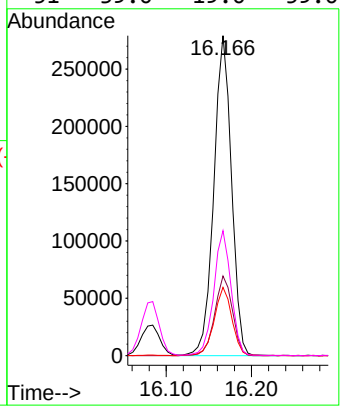




#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 40167

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.9	44.9
105	21.3	1.3	41.3
51	39.0	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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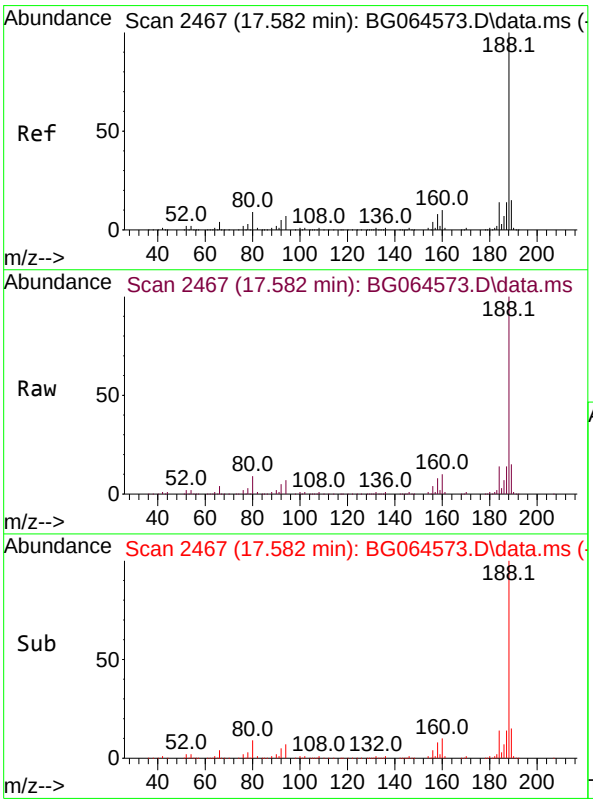
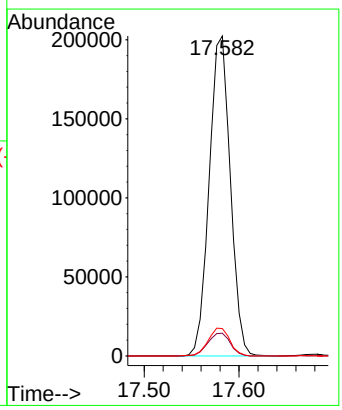
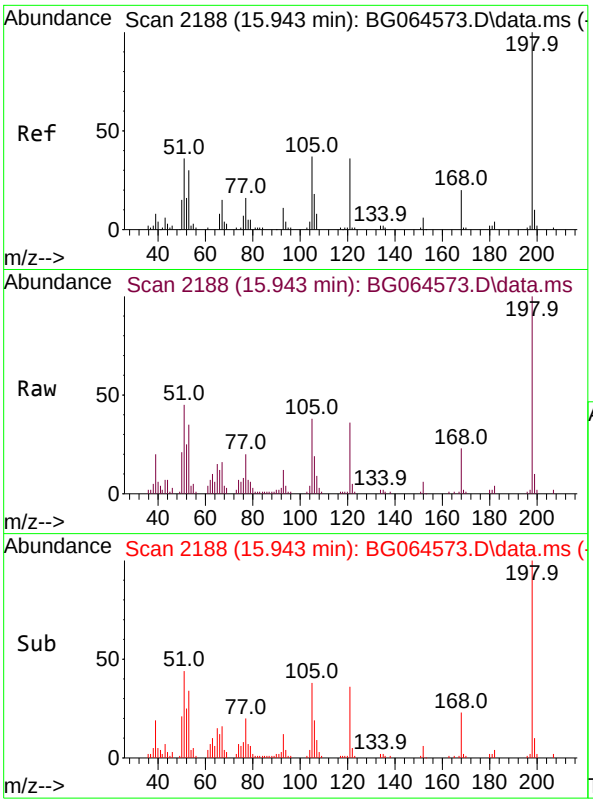


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.5	6.8	10.2

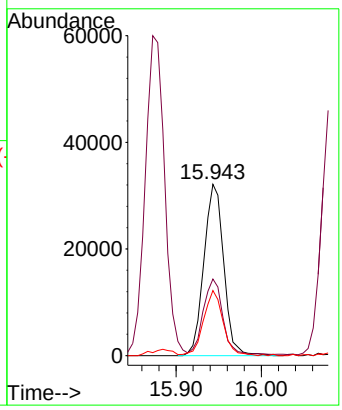




#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:198 Resp: 5182

Ion	Ratio	Lower	Upper
198	100		
51	44.7	24.7	64.7
105	38.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
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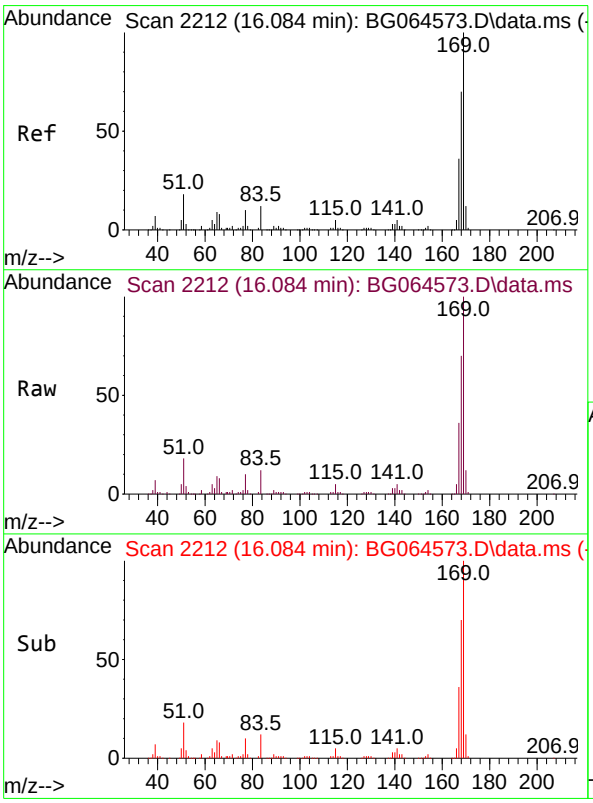
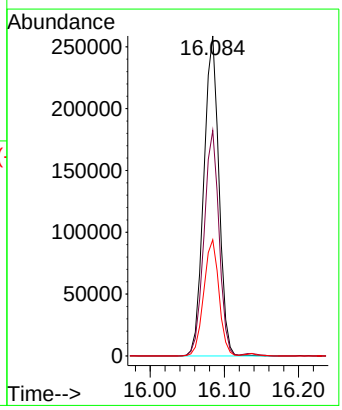
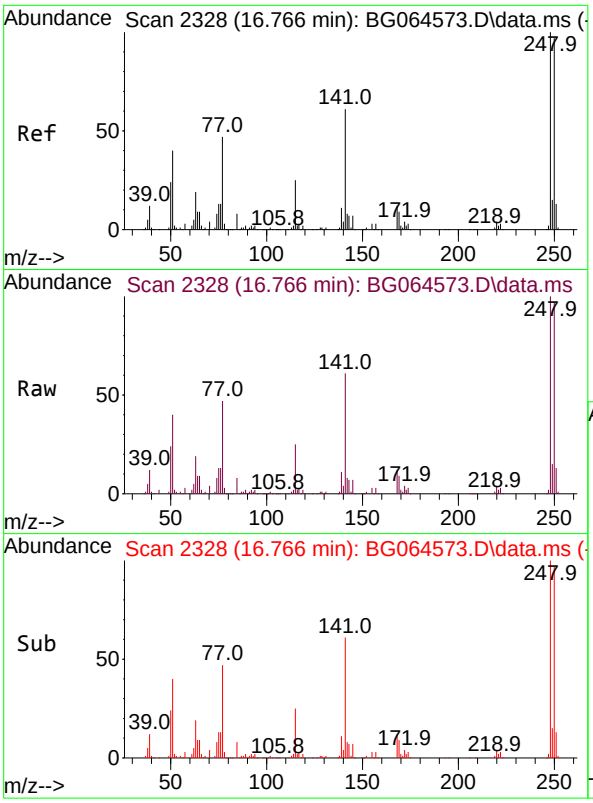


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:169 Resp: 365624

Ion	Ratio	Lower	Upper
169	100		
168	70.4	56.3	84.5
167	36.3	29.0	43.6

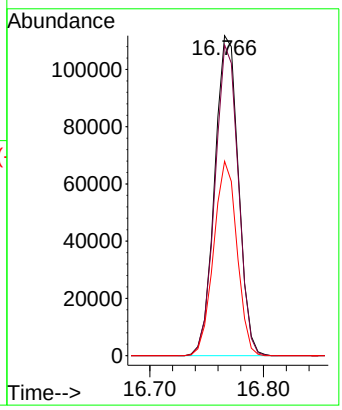




#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:248 Resp: 16174

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	60.7	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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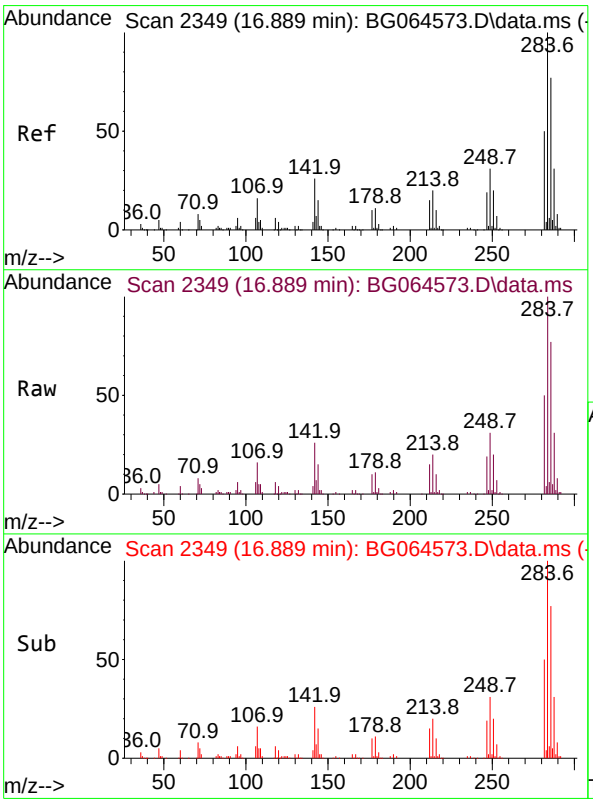
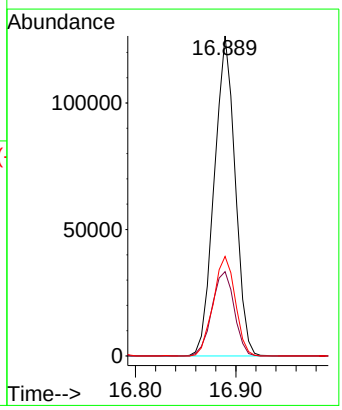
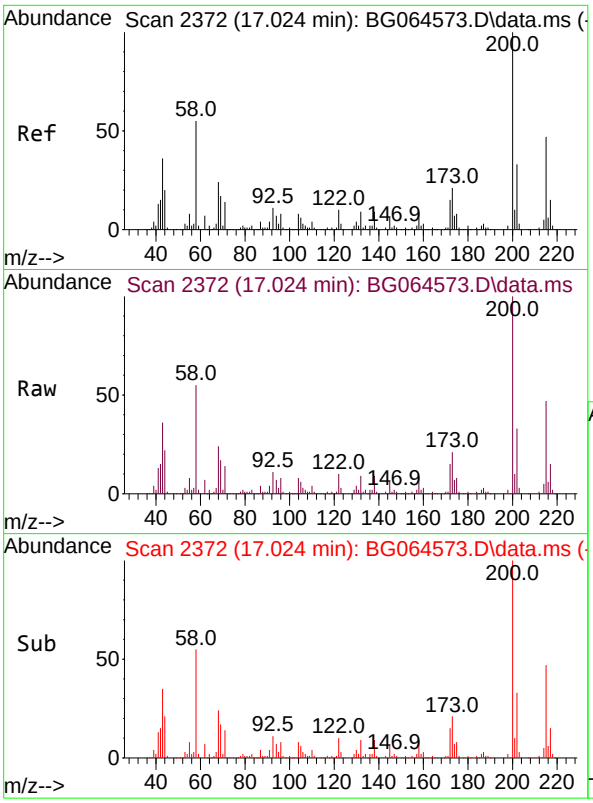


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:284 Resp: 183262

Ion	Ratio	Lower	Upper
284	100		
142	26.3	21.0	31.6
249	31.1	24.9	37.3

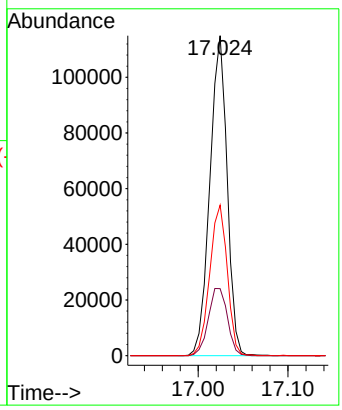




#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 153706

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
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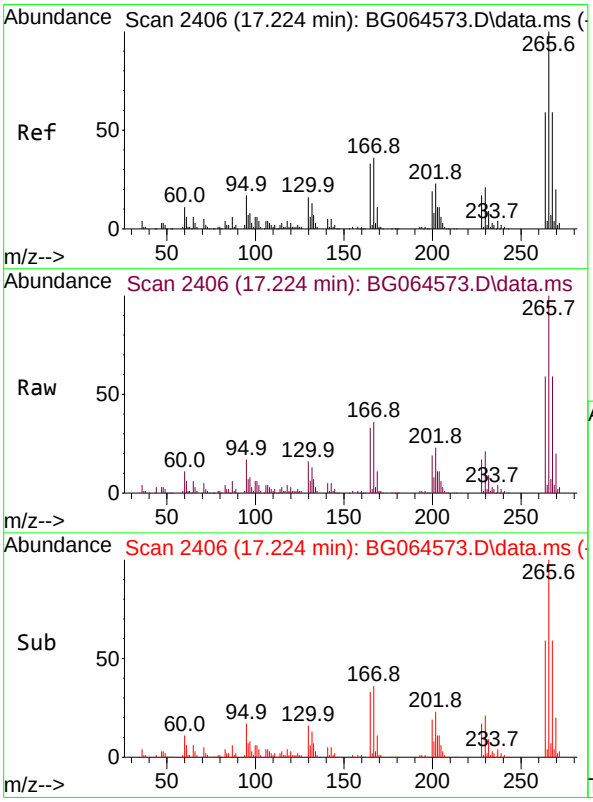
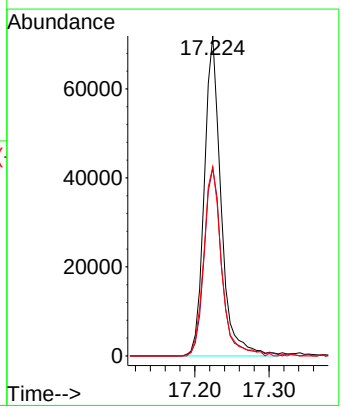
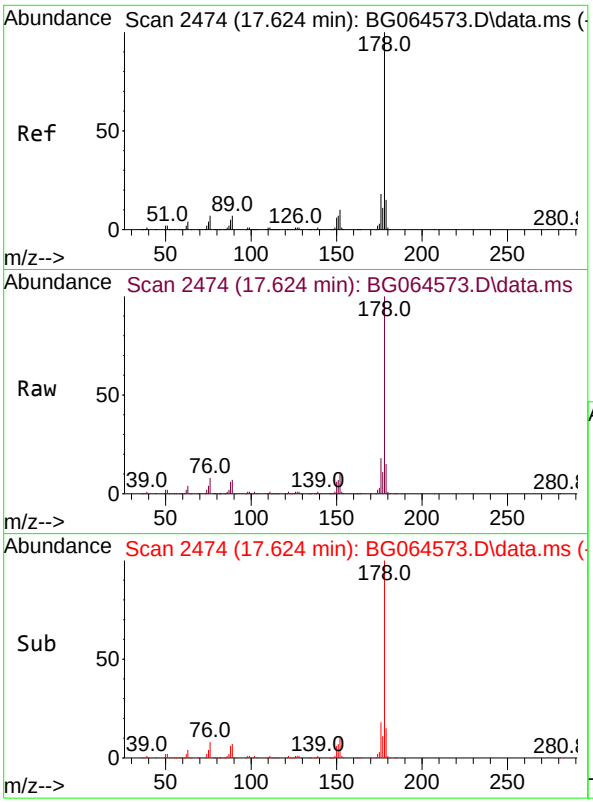


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:266 Resp: 112769

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.3	75.5
264	59.1	47.3	70.9

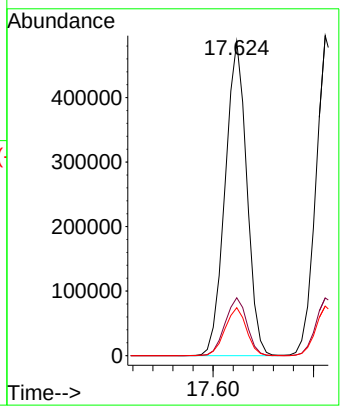




#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 72818

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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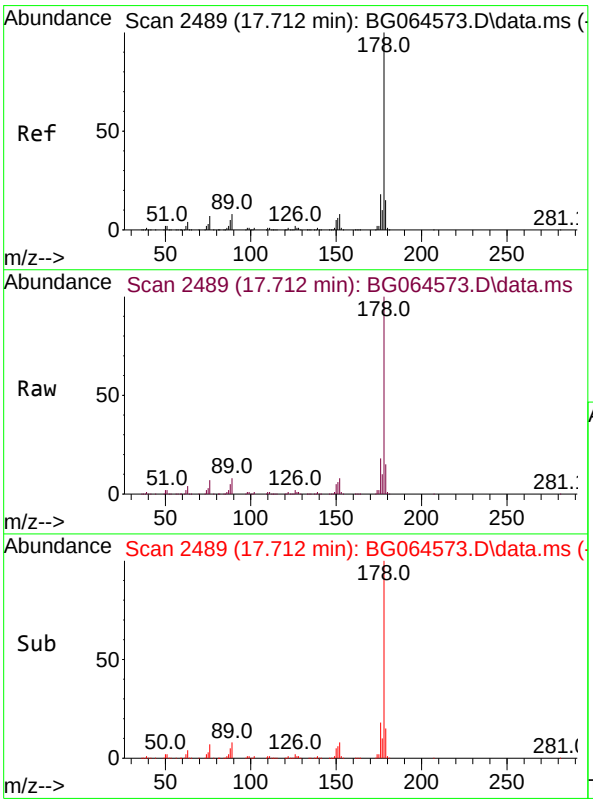
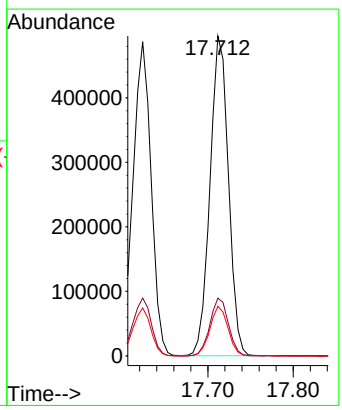
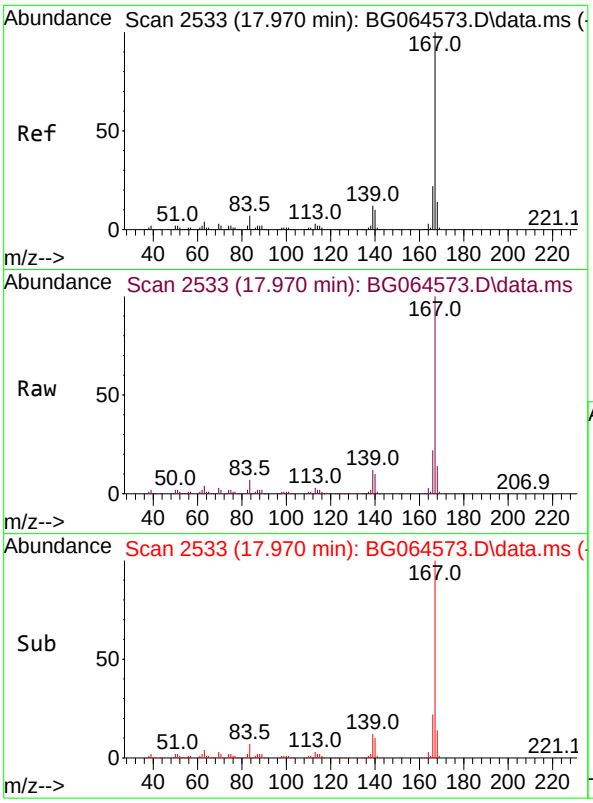


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 743567

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.5	12.4	18.6

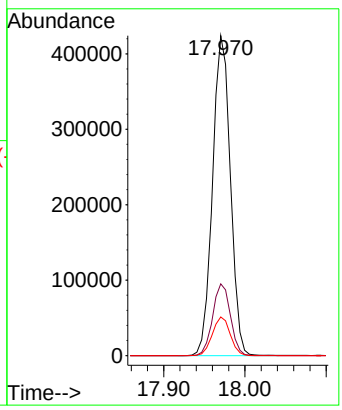




#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:167 Resp: 64631

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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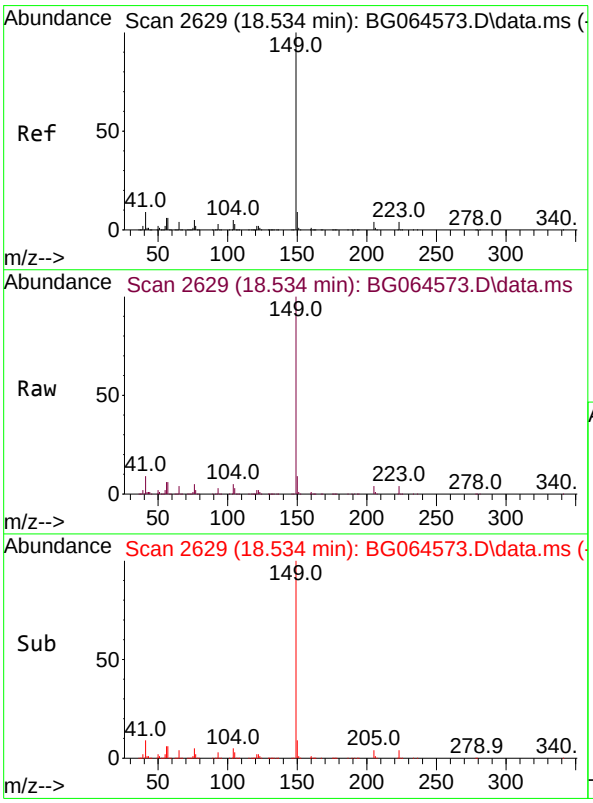
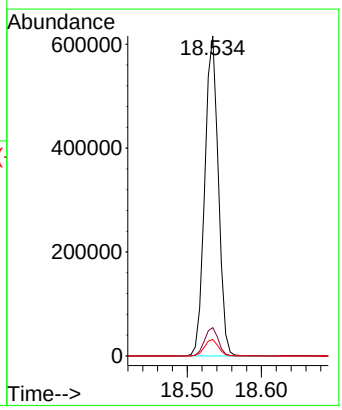
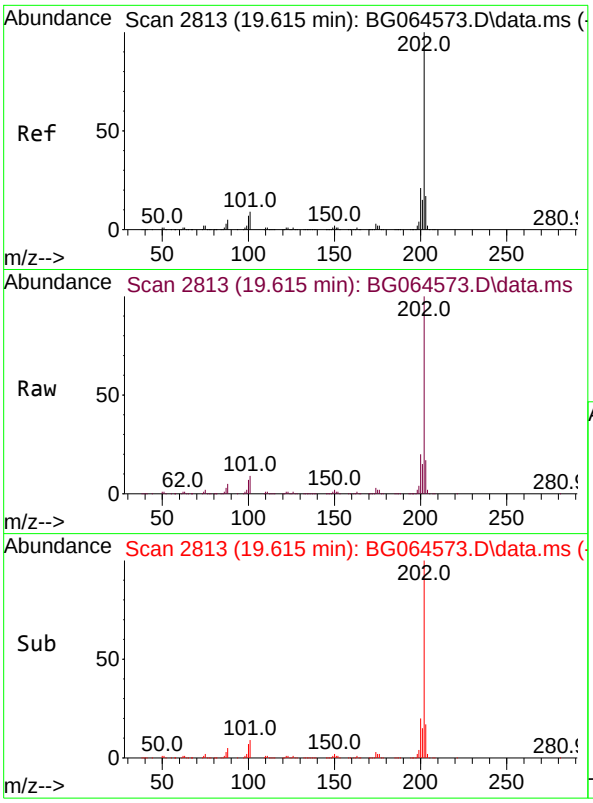


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 776847

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.1	4.1	6.1

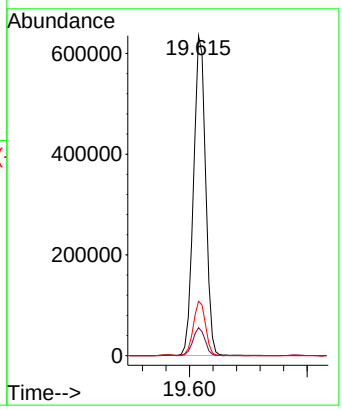




#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 90255

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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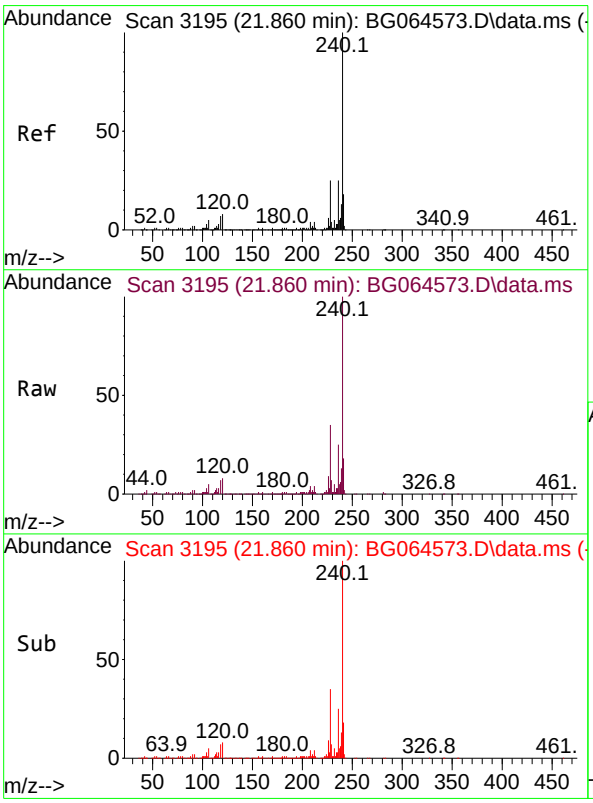
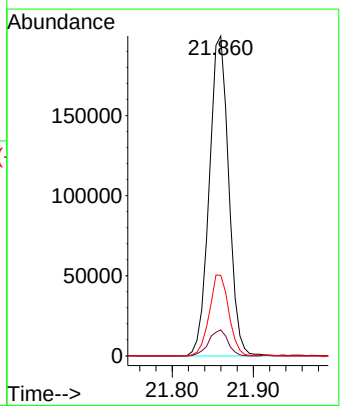
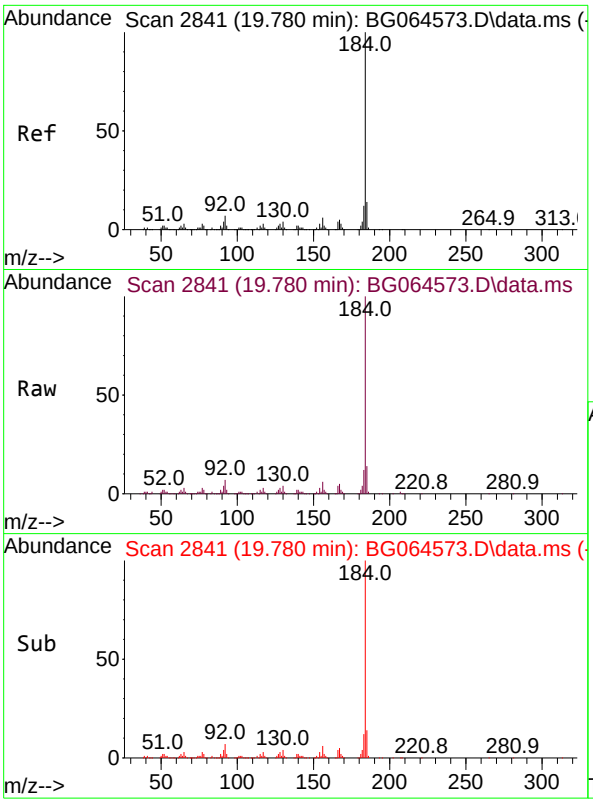


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:240 Resp: 332834

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.2	20.2	30.2

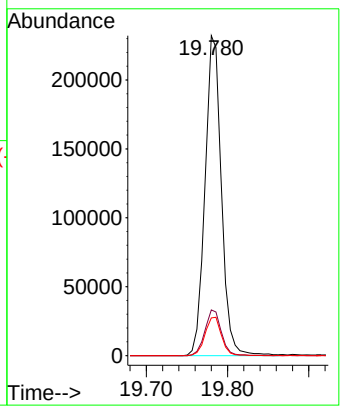




#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 32584

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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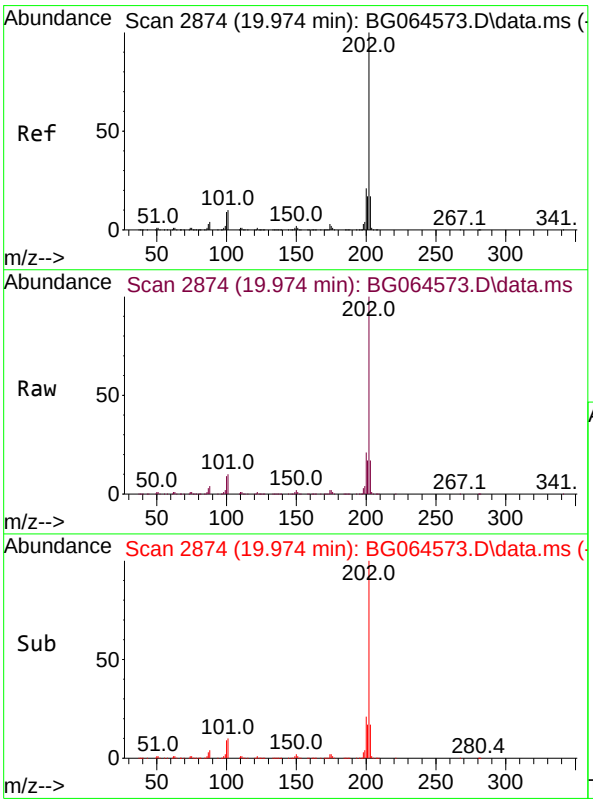
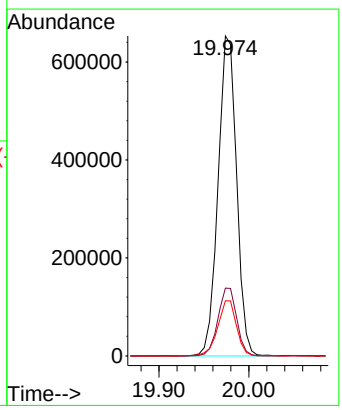
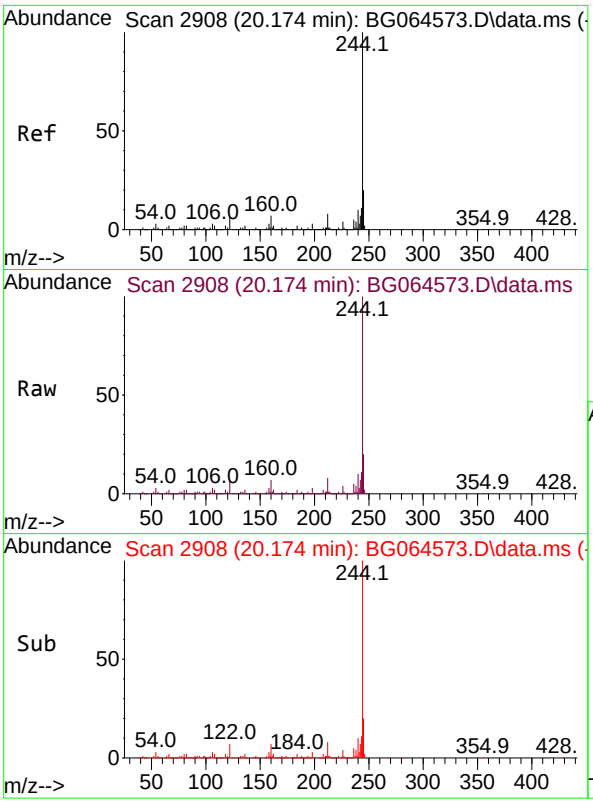


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 939110

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.2	13.8	20.6





#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:244 Resp: 152102

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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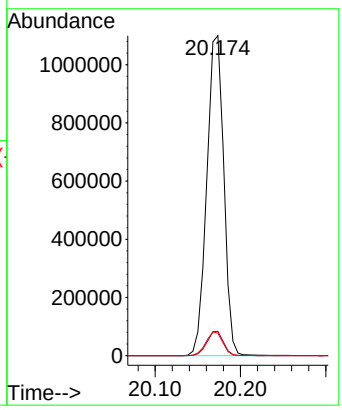
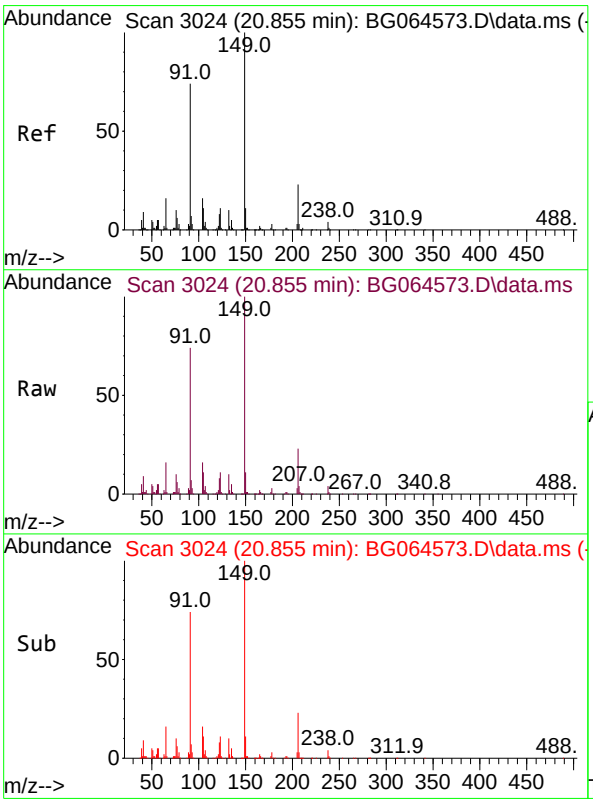
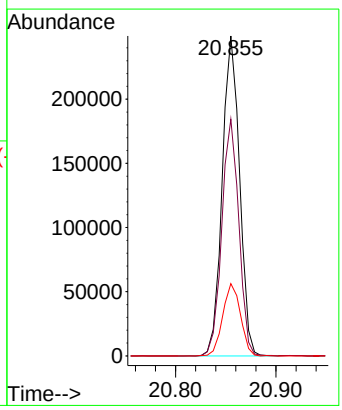


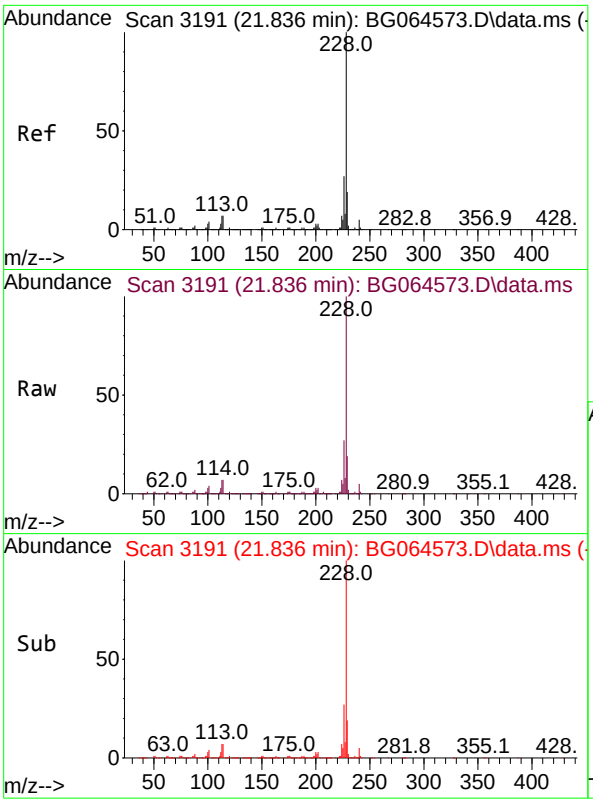


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 299706

Ion	Ratio	Lower	Upper
149	100		
91	74.0	59.2	88.8
206	22.6	18.1	27.1

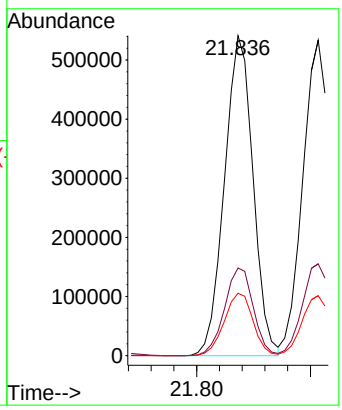




#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 94283

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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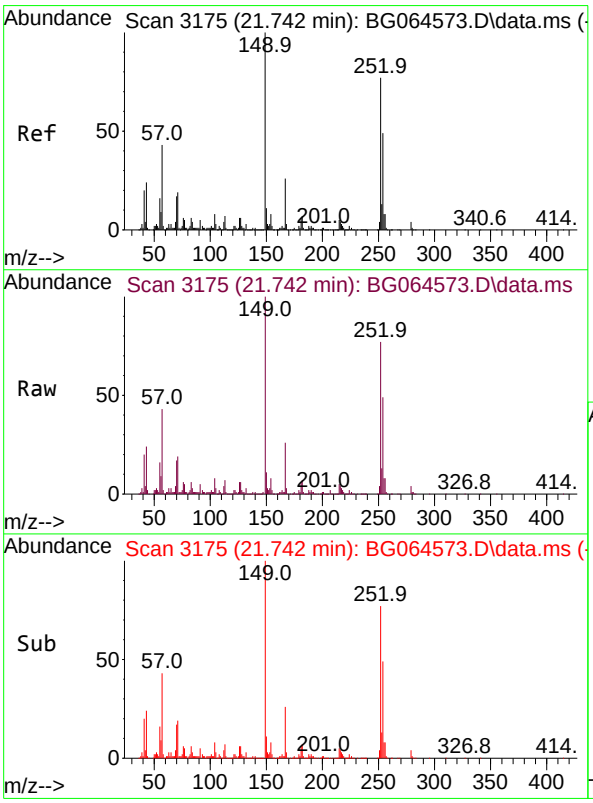
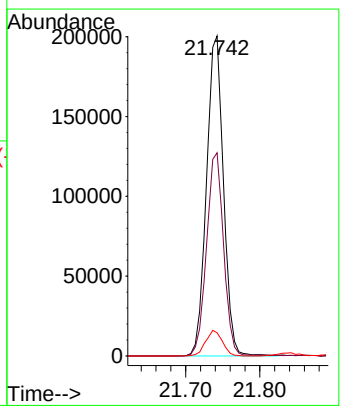
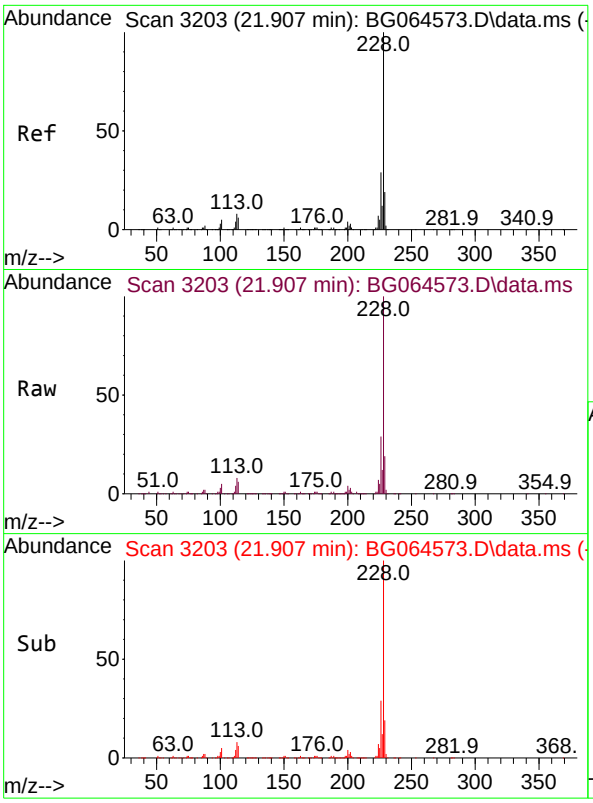


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 317851

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	7.2	5.8	8.6

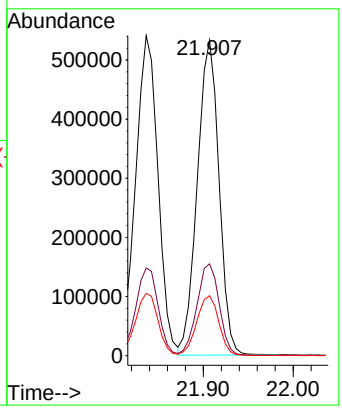




#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 89481

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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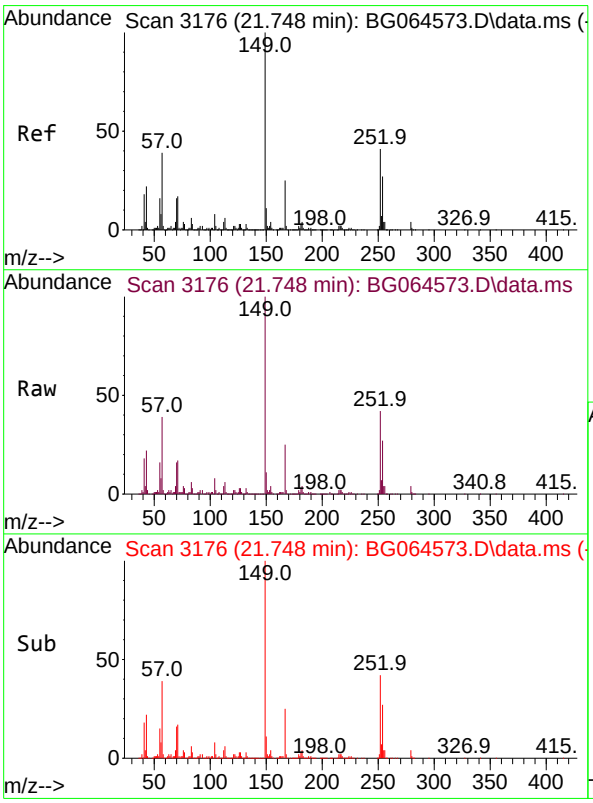
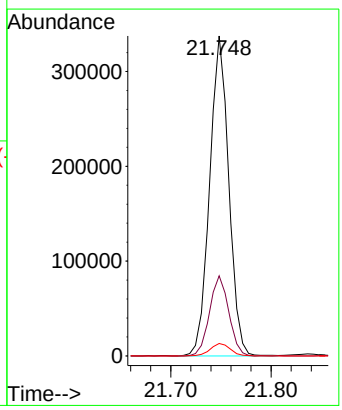
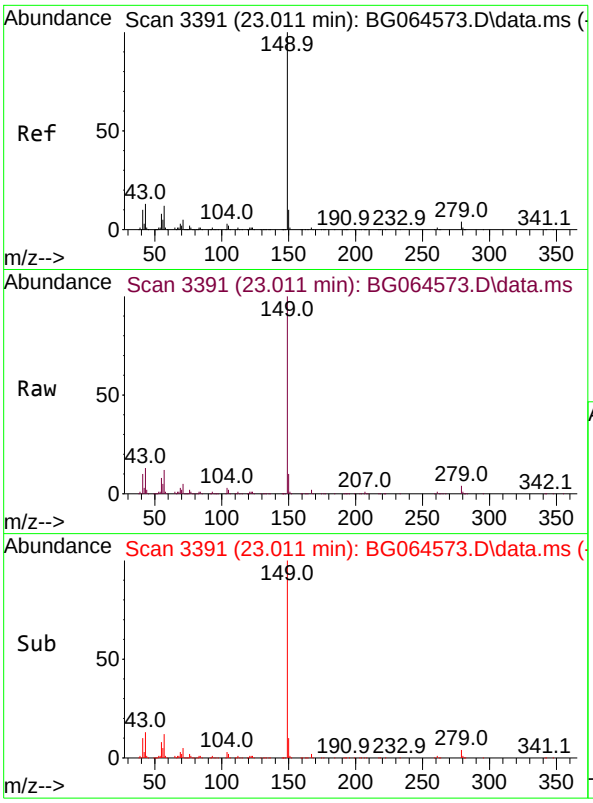


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 446785

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	3.9	3.1	4.7

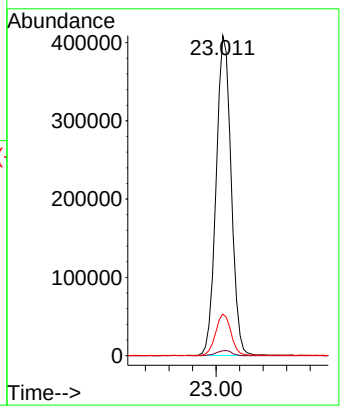




#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 72336

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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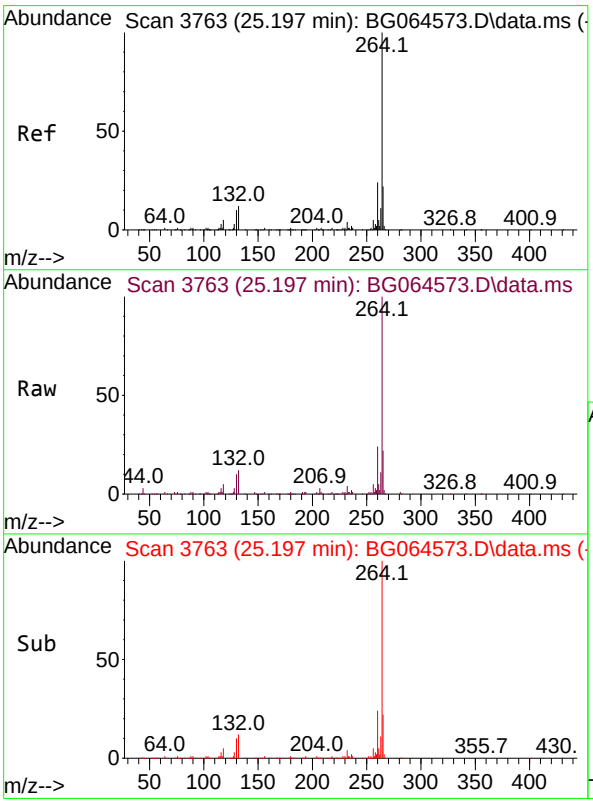
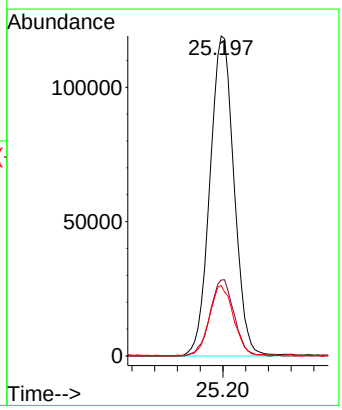
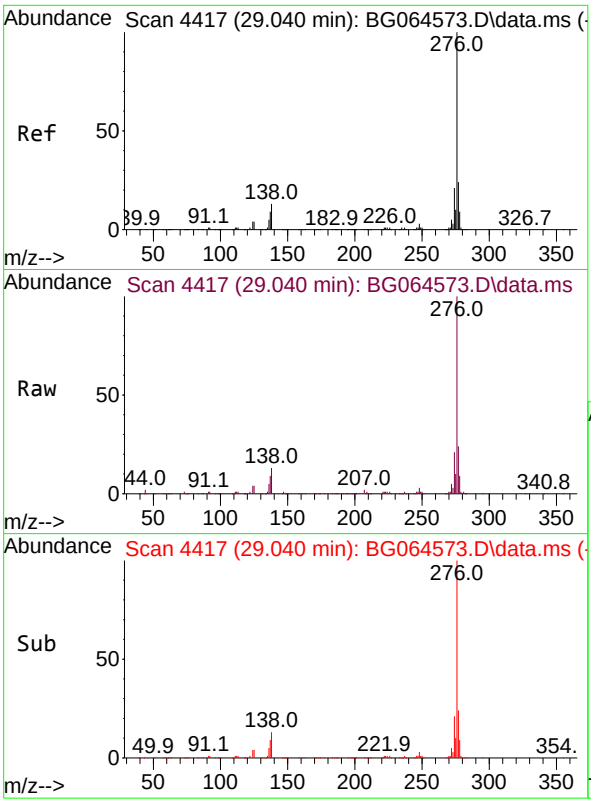


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:264 Resp: 350897

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.0	17.6	26.4

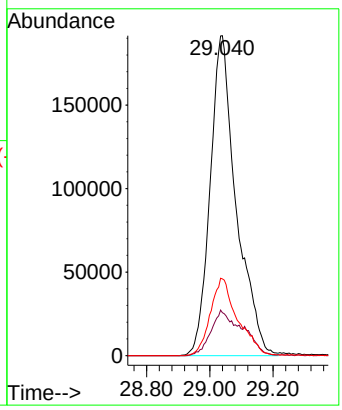




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 110025

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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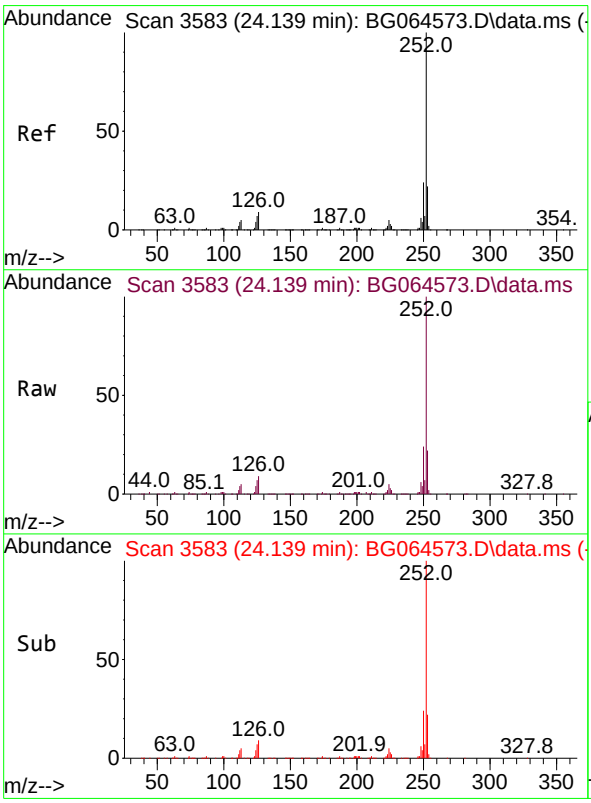
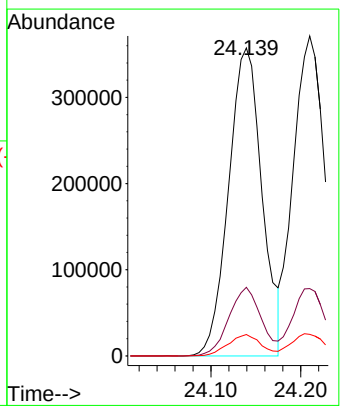
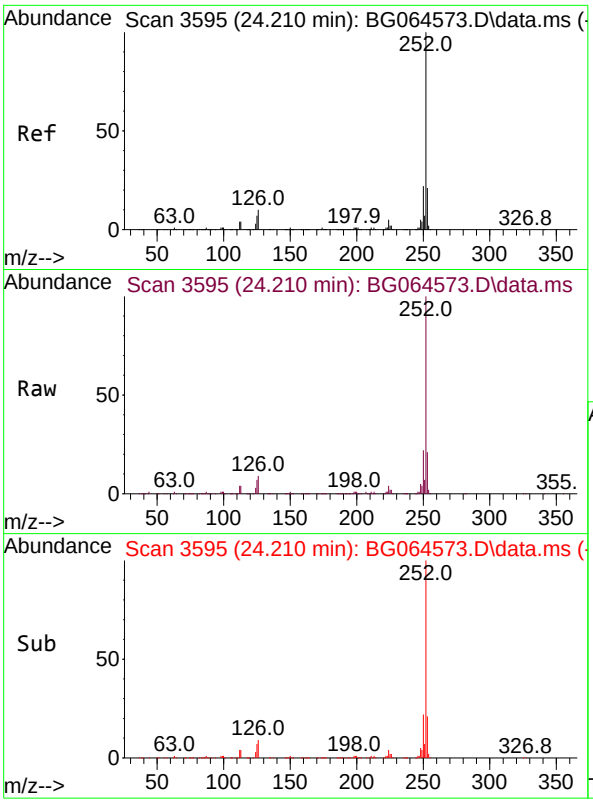


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 927550

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.0	5.6	8.4

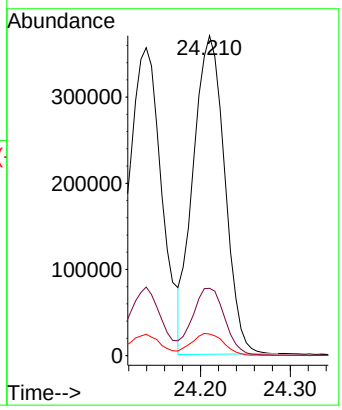




#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 90170

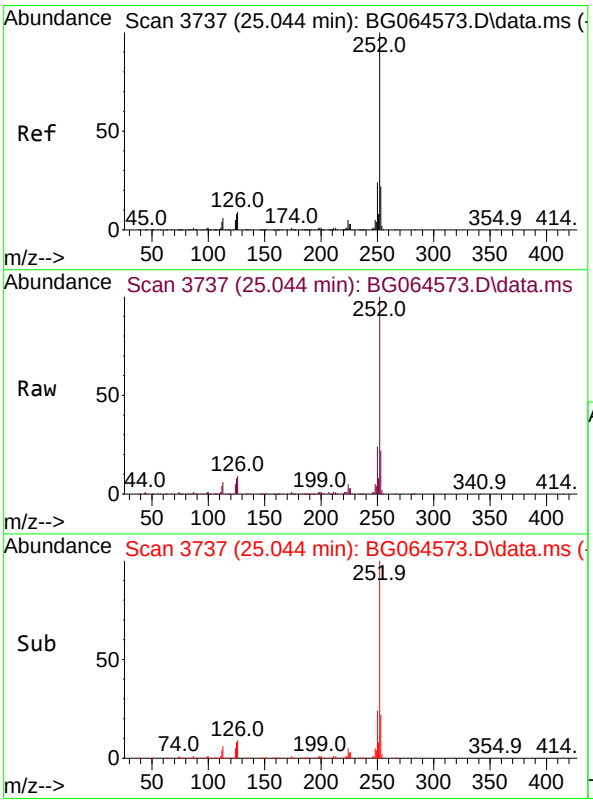
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

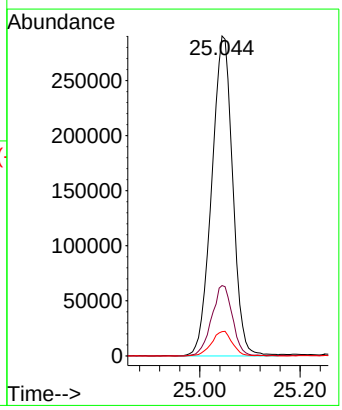
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

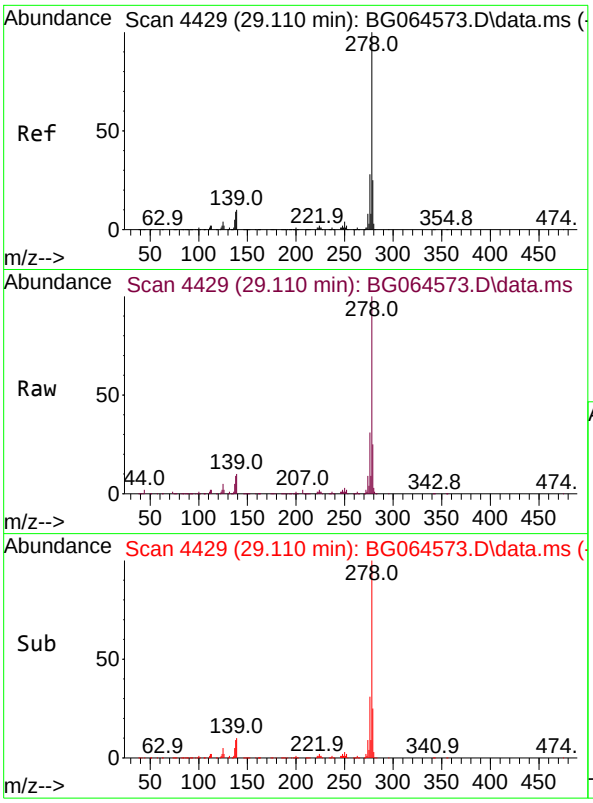


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 843258

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.6	6.1	9.1

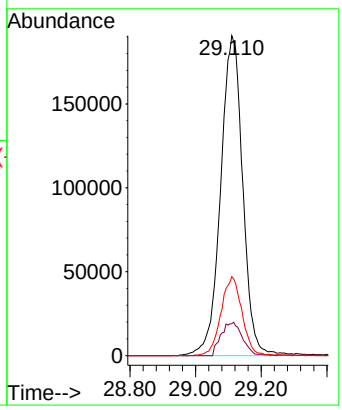




#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:278 Resp: 889808

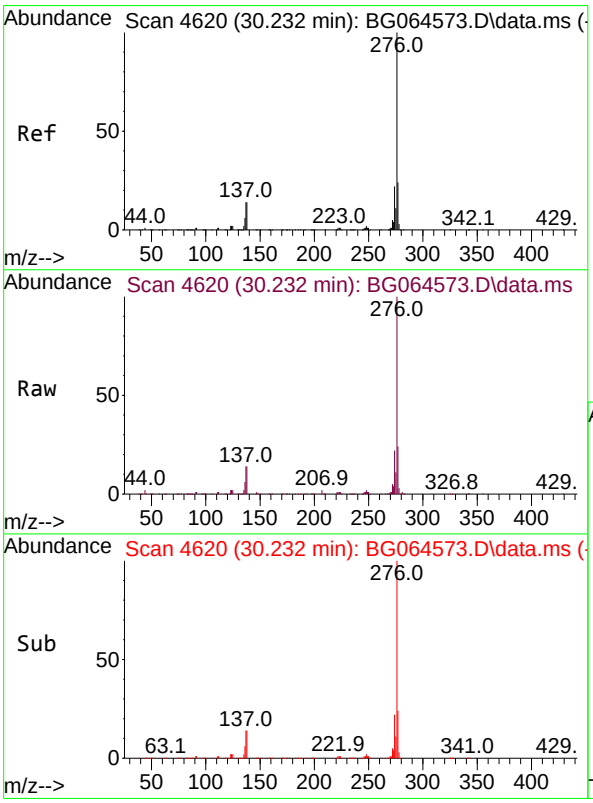
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

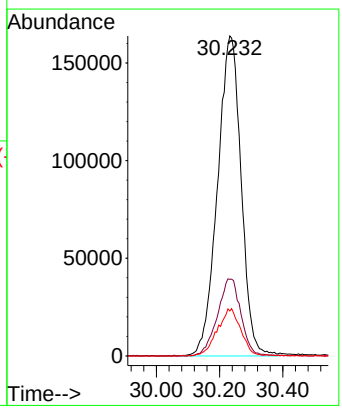
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 42.492 ng
RT: 30.232 min Scan# 4620
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 851248

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	14.1	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng		0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng		0.00
86) Perylene-d12	25.205	264	350916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	318446	132.728	ng		0.00
7) Phenol-d6	7.355	99	450449	136.821	ng		0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng		0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng		0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng		0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng		98
3) Pyridine	4.001	79	209372	65.637	ng		98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng		94
6) Aniline	7.532	93	294791	65.803	ng		98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng		98
9) Benzaldehyde	7.344	77	118559	65.963	ng		98
10) Phenol	7.379	94	244914	67.267	ng		98
11) bis(2-Chloroethyl)ether	7.626	93	174337	65.126	ng		100
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.156	ng		95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng		98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng		100
17) 2-Methylphenol	8.648	107	162536	67.237	ng		98
18) Hexachloroethane	9.324	117	67237	65.193	ng		99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng		99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng		98
22) Acetophenone	9.048	105	297413	64.759	ng	#	96
24) Nitrobenzene	9.430	77	220774	72.567	ng		98
25) Isophorone	9.958	82	449298	66.940	ng		99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng		98
27) 2,4-Dimethylphenol	10.193	122	173061	69.317	ng		97
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng		99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng		96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng		95
31) Naphthalene	11.098	128	605239	64.976	ng		99
32) Benzoic acid	10.340	122	130898m	65.612	ng		
33) 4-Chloroaniline	11.192	127	245101	67.699	ng		98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng		97
35) Caprolactam	11.968	113	71319	69.206	ng		96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng		100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng		98
38) 1-Methylnaphthalene	12.908	142	442677	65.402	ng		99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng		100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng		99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng		96
46)	1,1'-Biphenyl	13.683	154	606860	63.233	ng		98
47)	2-Chloronaphthalene	13.730	162	463792	64.022	ng		98
48)	2-Nitroaniline	13.913	65	163796	66.052	ng		95
49)	Acenaphthylene	14.571	152	739728	64.738	ng		100
50)	Dimethylphthalate	14.289	163	688128	66.616	ng		99
51)	2,6-Dinitrotoluene	14.400	165	114588	65.951	ng		95
52)	Acenaphthene	14.911	154	510499	65.392	ng		98
53)	3-Nitroaniline	14.729	138	131776	74.231	ng		91
54)	2,4-Dinitrophenol	14.929	184	66900	65.082	ng	#	75
55)	Dibenzofuran	15.240	168	804964	63.779	ng		97
56)	4-Nitrophenol	15.017	139	114408	69.512	ng		97
57)	2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	#	100
58)	Fluorene	15.887	166	627437	63.656	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng		99
60)	Diethylphthalate	15.652	149	695924	65.982	ng		99
61)	4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng		99
62)	4-Nitroaniline	15.893	138	143839	72.832	ng		98
63)	Azobenzene	16.169	77	633520	65.464	ng		99
65)	4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng		93
66)	n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng		99
67)	4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng		100
68)	Hexachlorobenzene	16.891	284	293831	67.001	ng		96
69)	Atrazine	17.026	200	254070	67.378	ng		97
70)	Pentachlorophenol	17.226	266	193954	70.923	ng		91
71)	Phenanthrene	17.626	178	1147317	64.676	ng		99
72)	Anthracene	17.714	178	1171223	64.905	ng		99
73)	Carbazole	17.972	167	1000680	62.887	ng		99
74)	Di-n-butylphthalate	18.536	149	1165396	63.334	ng		99
75)	Fluoranthene	19.618	202	1364891	61.419	ng		98
77)	Benzidine	19.782	184	544918	71.348	ng		99
78)	Pyrene	19.976	202	1437669	64.549	ng		99
80)	Butylbenzylphthalate	20.857	149	477358	70.914	ng		98
81)	Benzo(a)anthracene	21.839	228	1462488	64.702	ng		99
82)	3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng		99
83)	Chrysene	21.909	228	1389821	64.621	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng		98
85)	Di-n-octyl phthalate	23.014	149	1142651	67.379	ng		100
87)	Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng		98
88)	Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng		99
89)	Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng		99
90)	Benzo(a)pyrene	25.052	252	1311701	66.315	ng		100
91)	Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng		99
92)	Benzo(g,h,i)perylene	30.246	276	1347382	67.253	ng		98

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

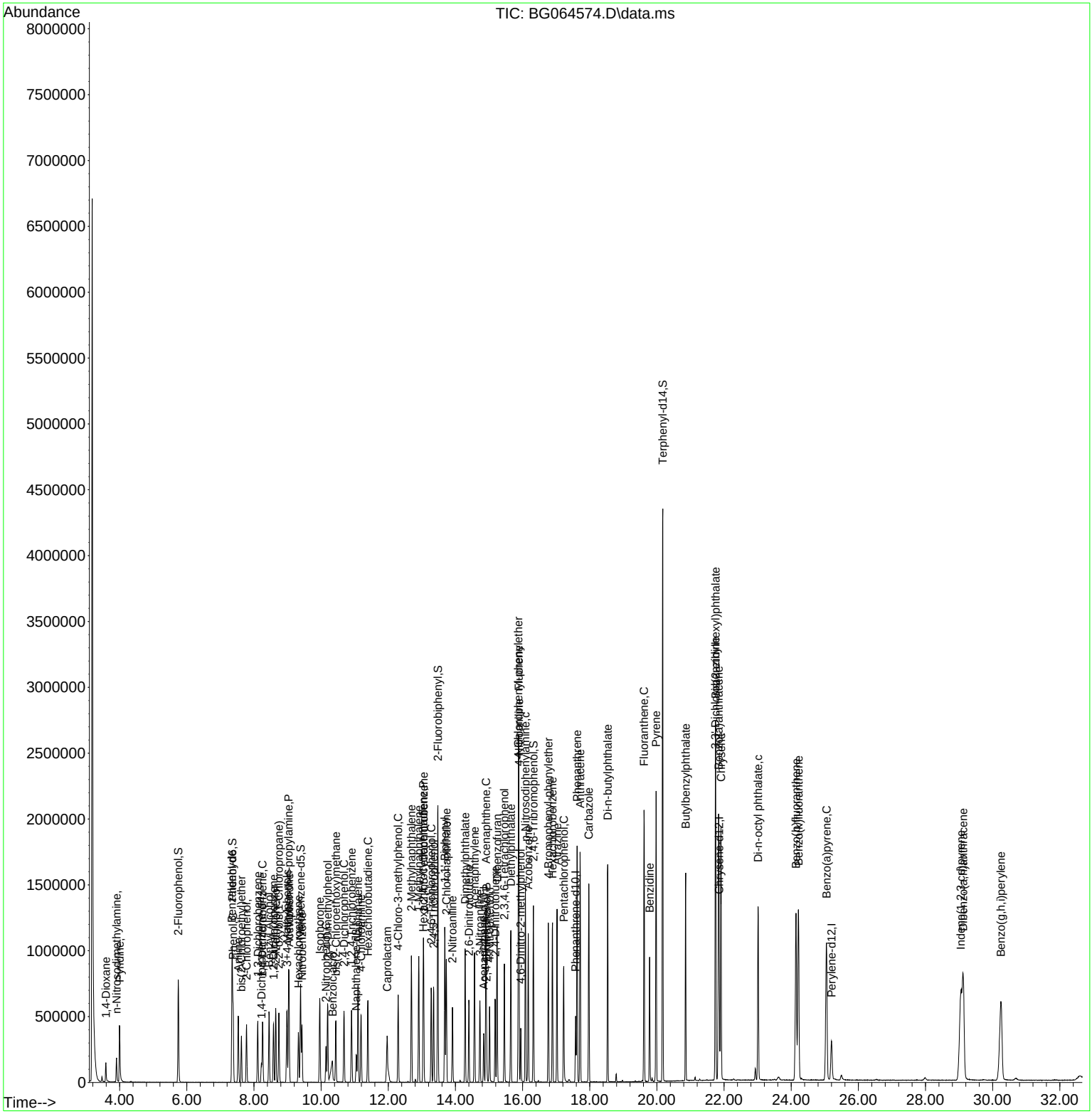
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

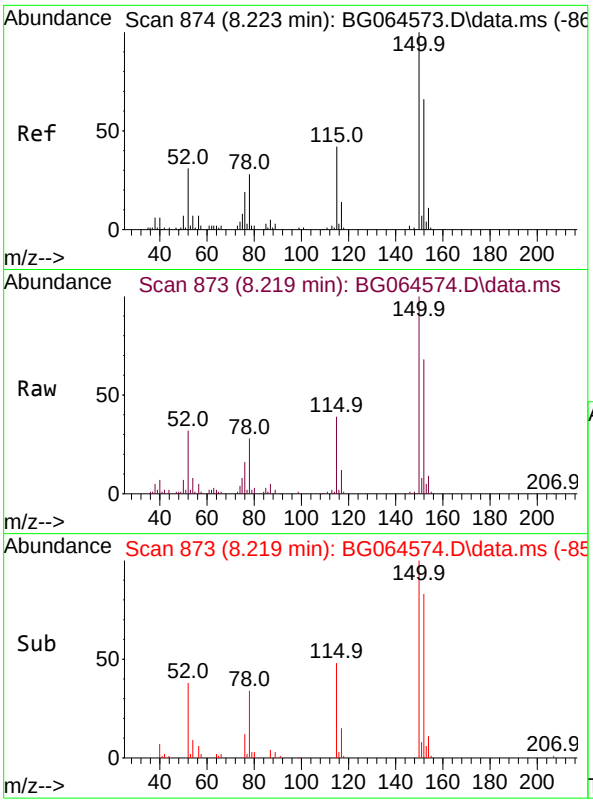
Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

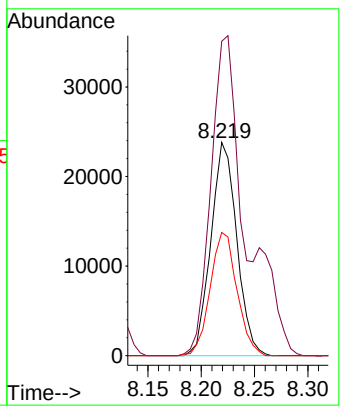




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

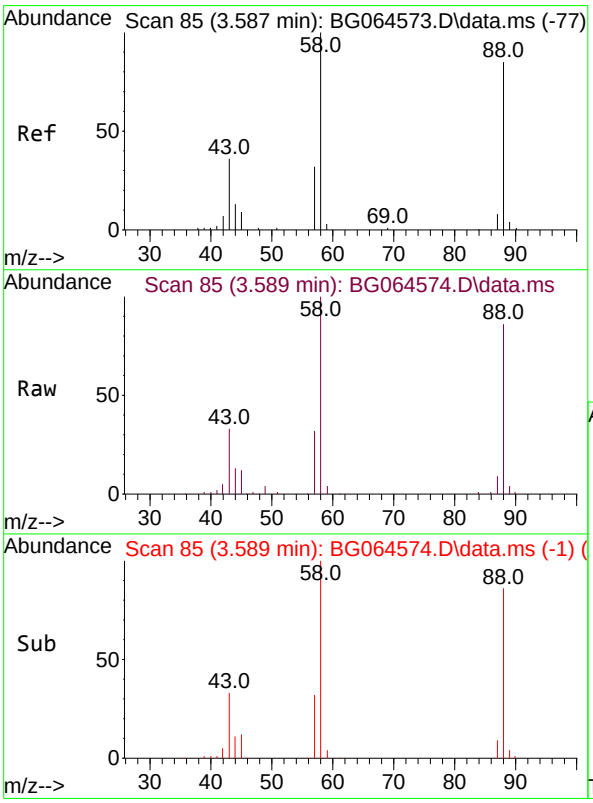
Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

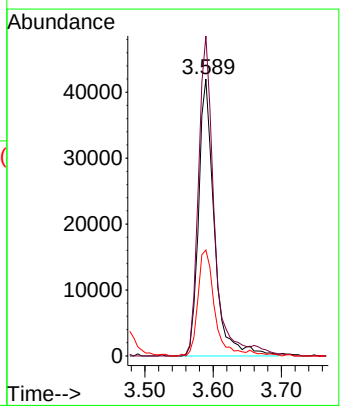
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

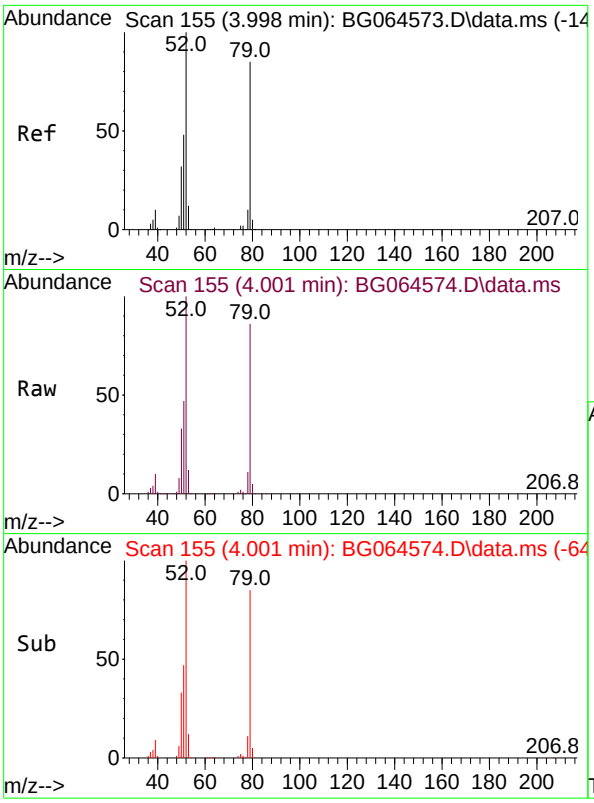


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 88 Resp: 67487

Ion	Ratio	Lower	Upper
88	100		
58	113.3	92.4	138.6
43	40.0	33.0	49.6

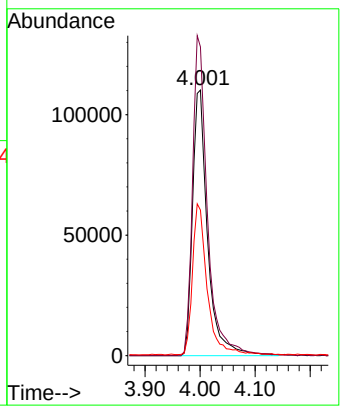




#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

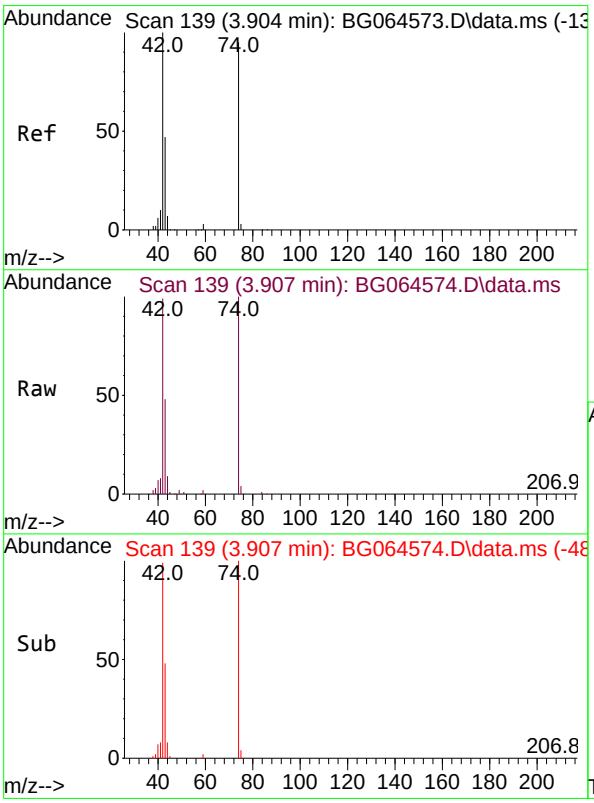
Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

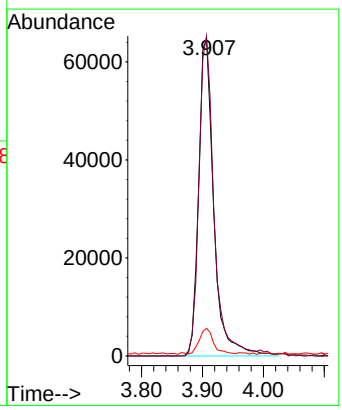
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

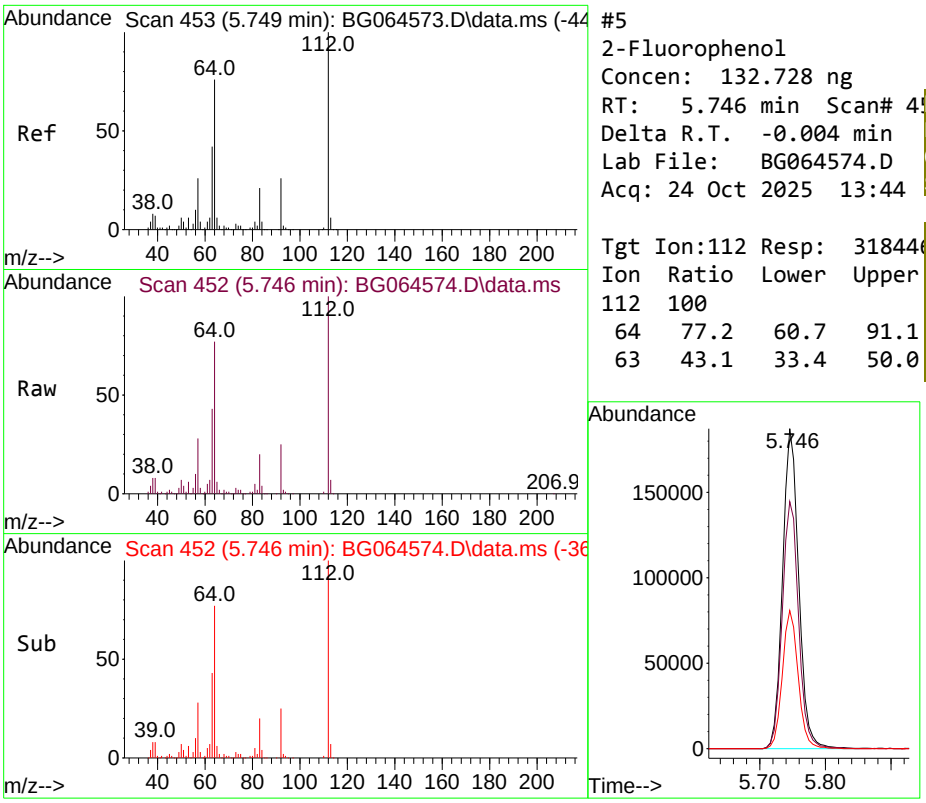


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 42 Resp: 111310

Ion	Ratio	Lower	Upper
42	100		
74	100.7	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

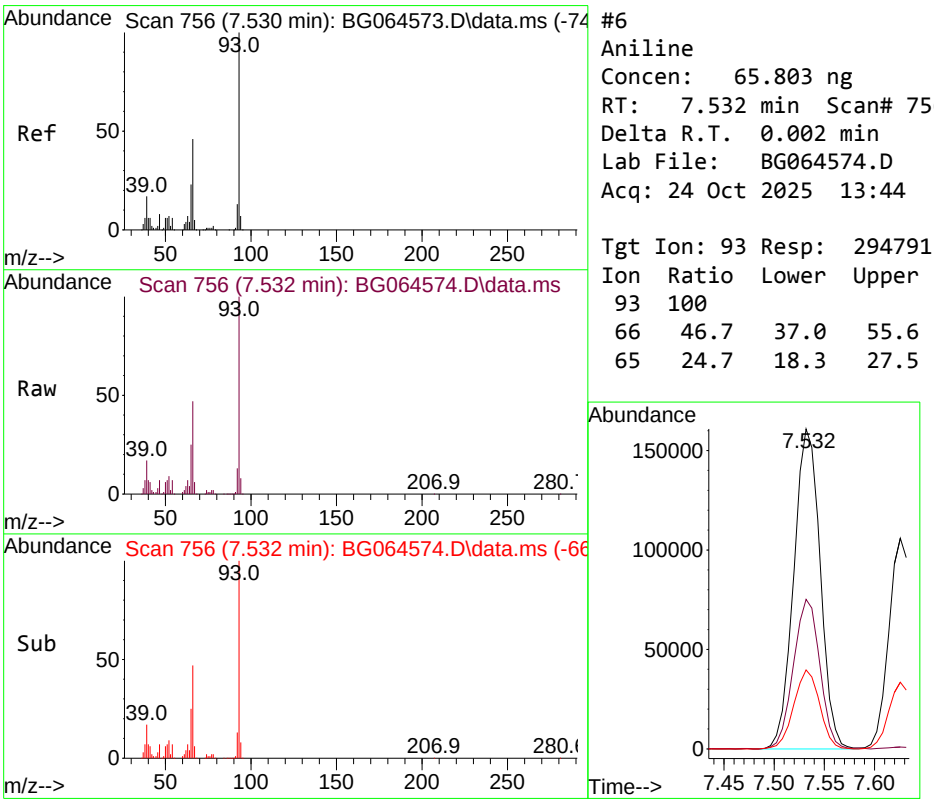
Tgt Ion:112 Resp: 31844

Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	43.1	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

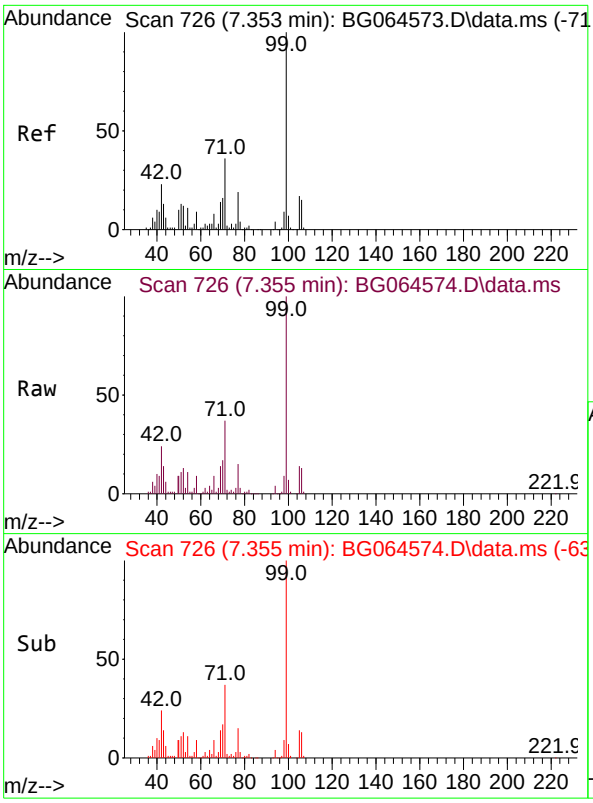
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 294791

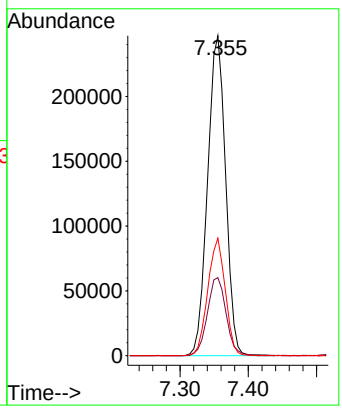
Ion	Ratio	Lower	Upper
93	100		
66	46.7	37.0	55.6
65	24.7	18.3	27.5



#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 99 Resp: 45044

Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.7	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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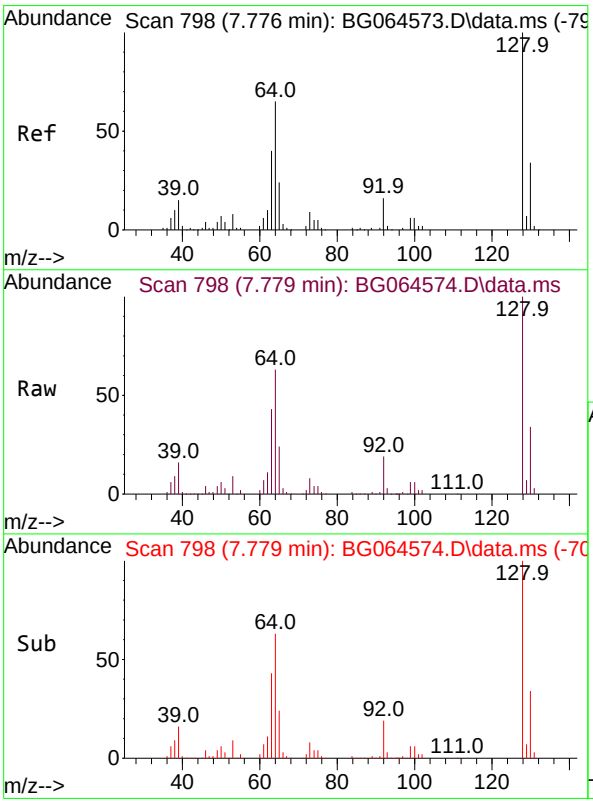
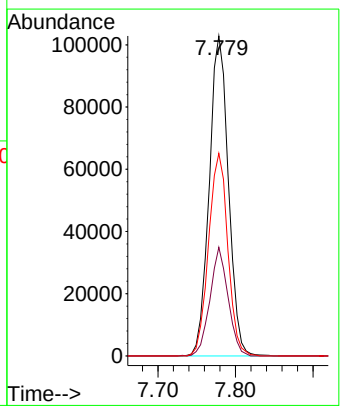
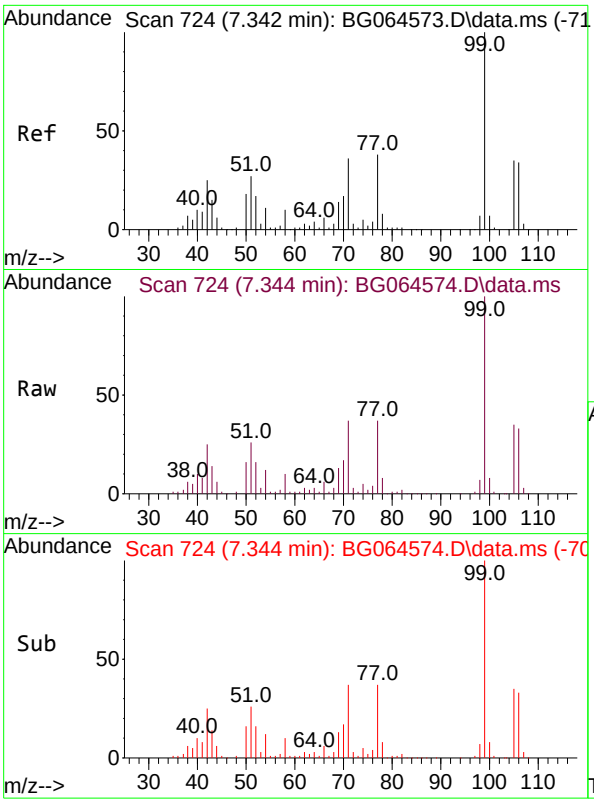


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 176533

Ion	Ratio	Lower	Upper
128	100		
130	33.9	13.5	53.5
64	63.3	45.2	85.2

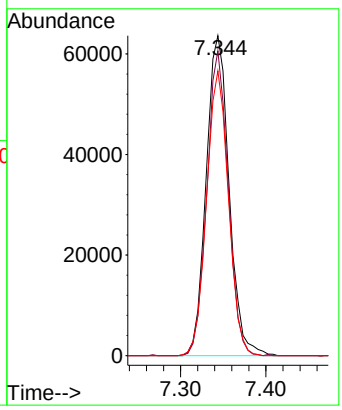




#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 11855

Ion	Ratio	Lower	Upper
77	100		
105	95.2	72.9	112.9
106	89.0	70.8	110.8



Instrument :
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ClientSampleId :
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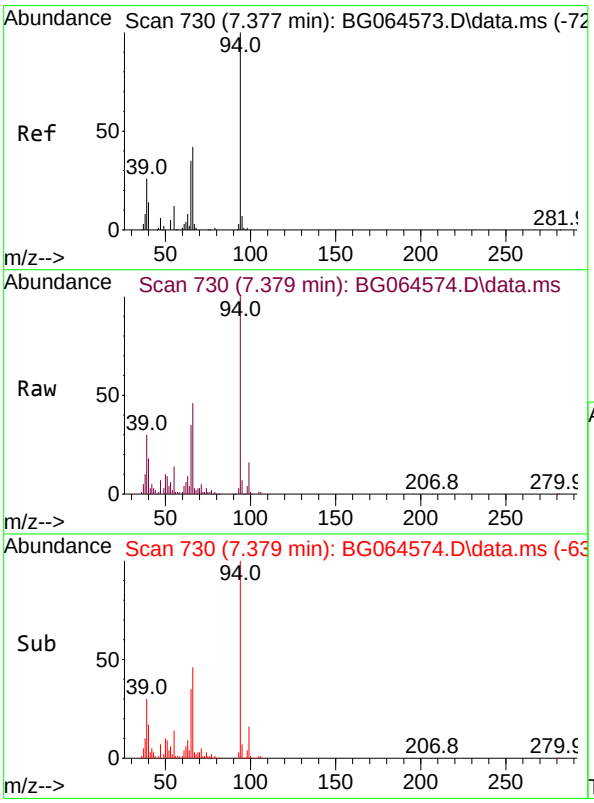
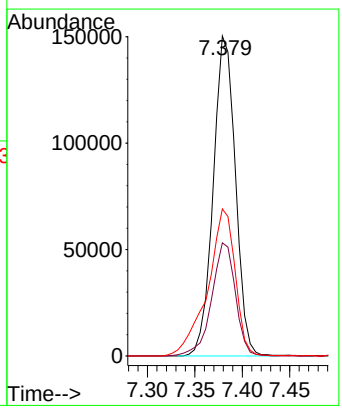
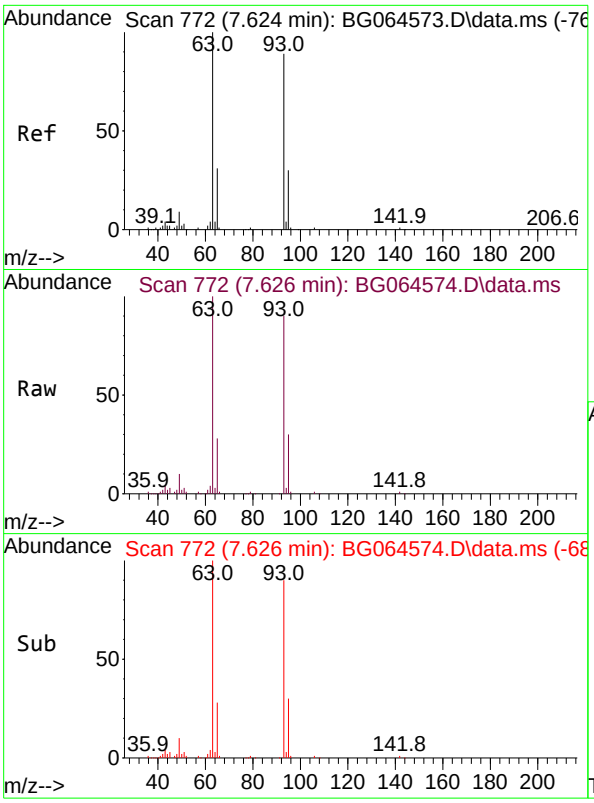


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 94 Resp: 244914

Ion	Ratio	Lower	Upper
94	100		
65	35.3	15.8	55.8
66	45.9	24.0	64.0

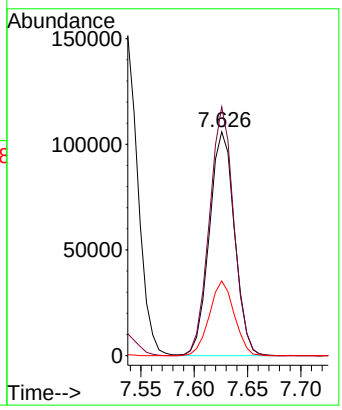




#11
bis(2-Chloroethyl)ether
Concen: 65.126 ng
RT: 7.626 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 17433

Ion	Ratio	Lower	Upper
93	100		
63	111.2	91.3	131.3
95	33.3	13.3	53.3



Instrument :
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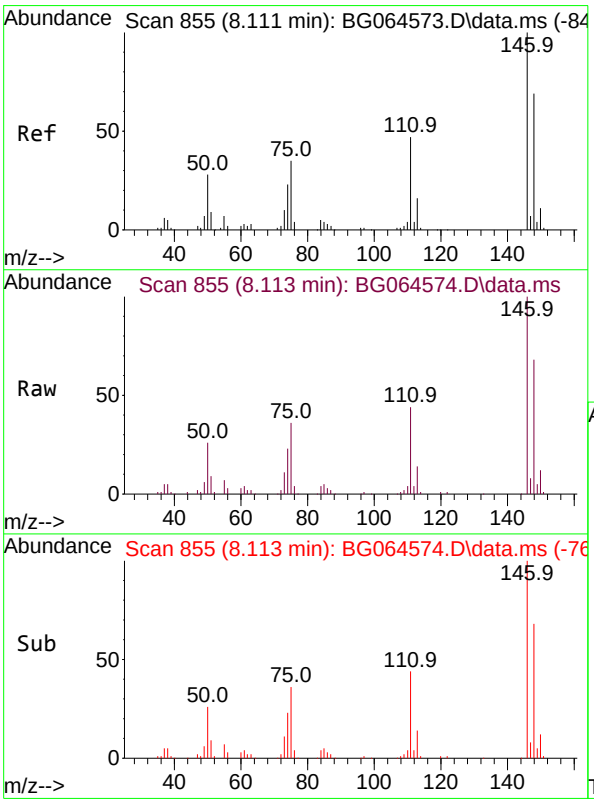
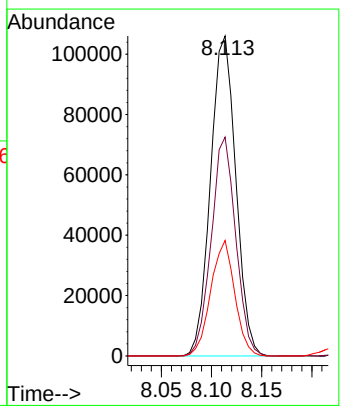
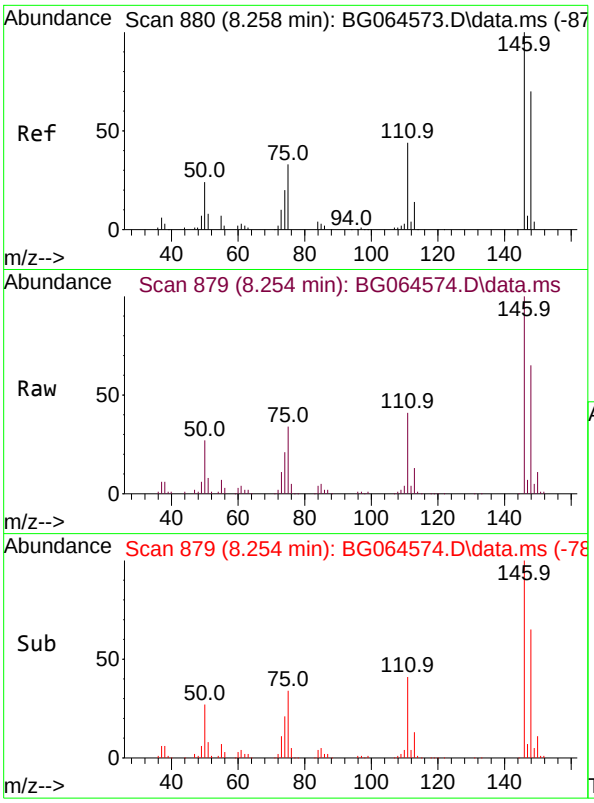


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 186290

Ion	Ratio	Lower	Upper
146	100		
148	68.4	55.3	82.9
75	36.1	28.2	42.2

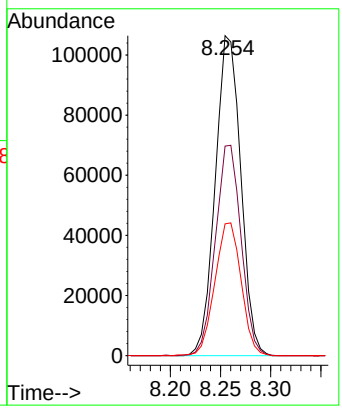




#13
1,4-Dichlorobenzene
Concen: 64.156 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 18855

Ion	Ratio	Lower	Upper
146	100		
148	65.5	56.2	84.4
111	41.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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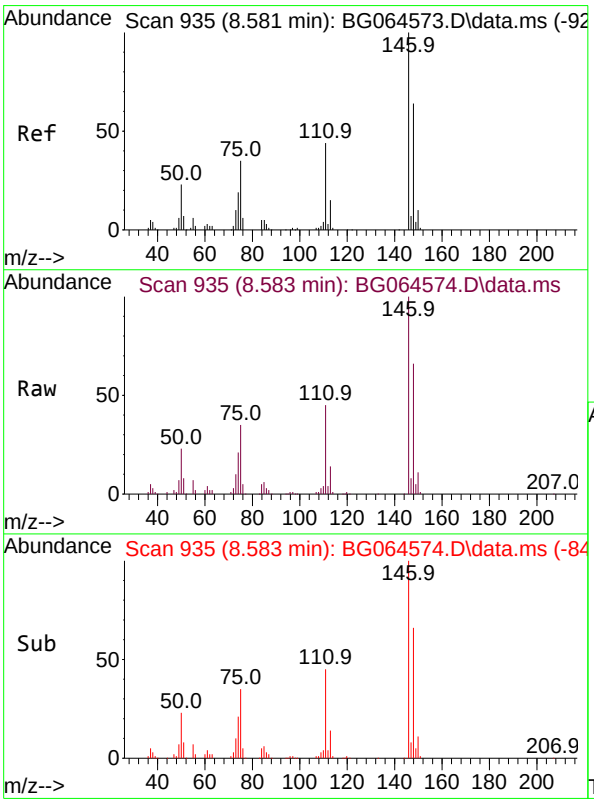
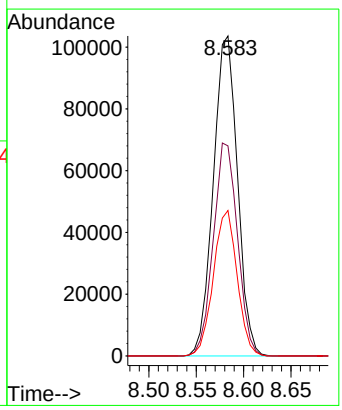
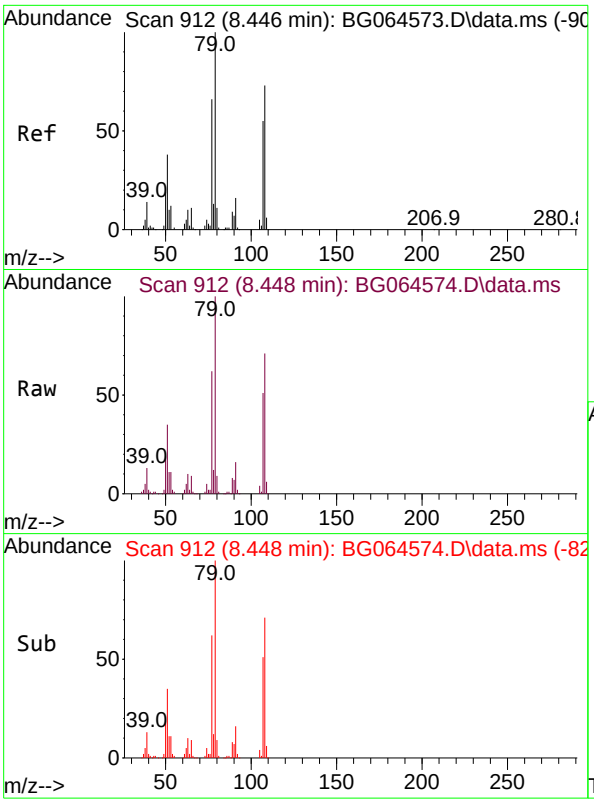


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 183593

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.5	77.3
111	45.4	35.0	52.6





#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 18515

Ion	Ratio	Lower	Upper
79	100		
108	71.1	58.1	87.1
77	61.8	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
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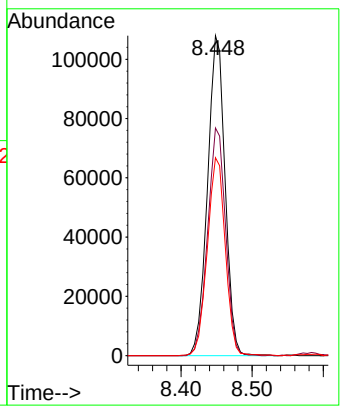
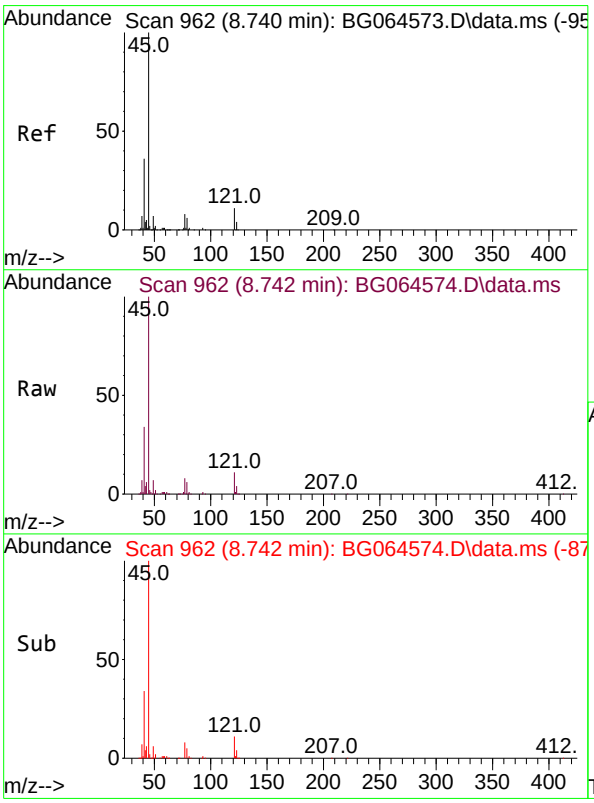
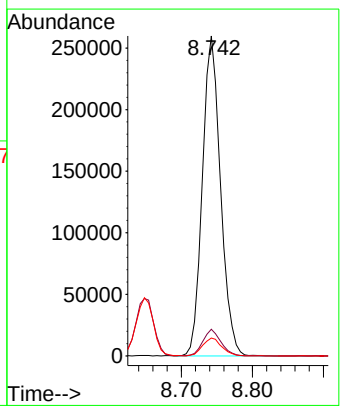


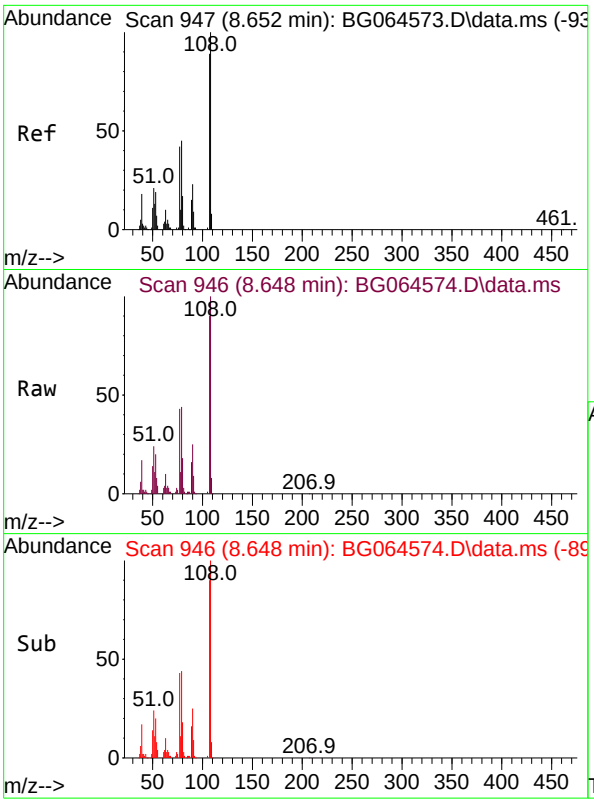


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 45 Resp: 459295

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.5
79	5.6	0.0	25.6

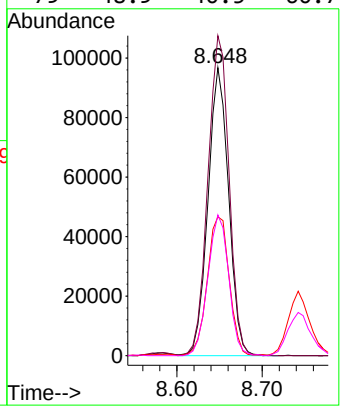




#17
2-Methylphenol
Concen: 67.237 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 16253

Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.0	135.0
77	48.2	37.8	56.8
79	48.9	40.5	60.7



Instrument :
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ClientSampleId :
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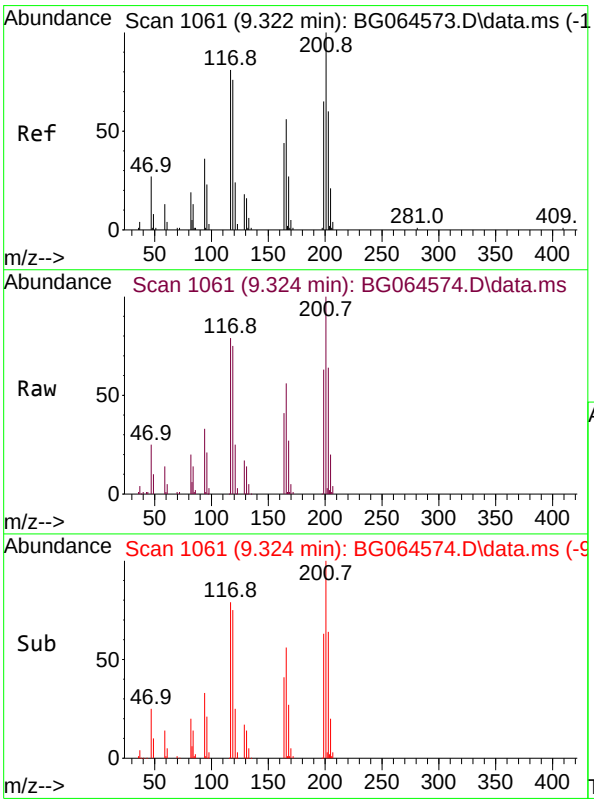
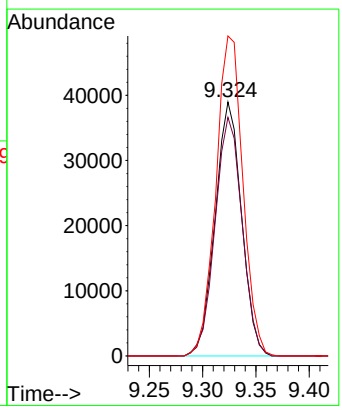
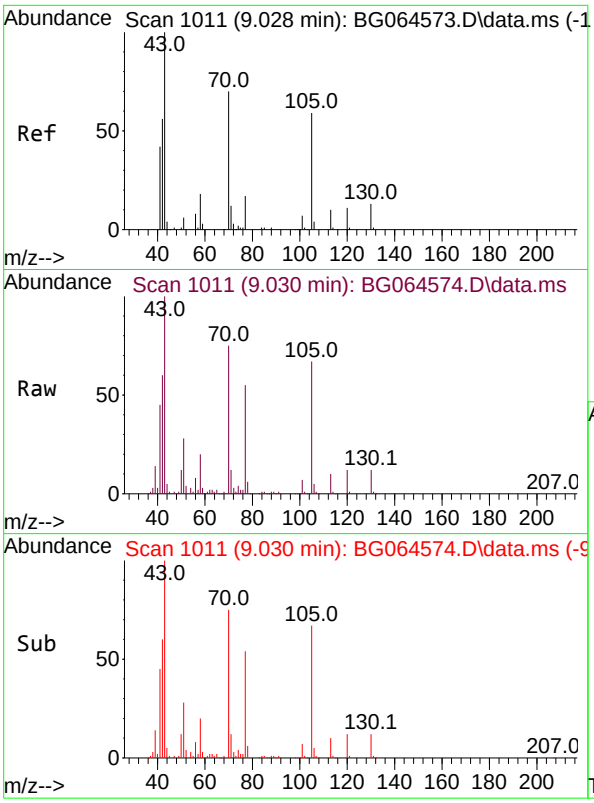


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:117 Resp: 67237

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
201	126.1	99.2	148.8

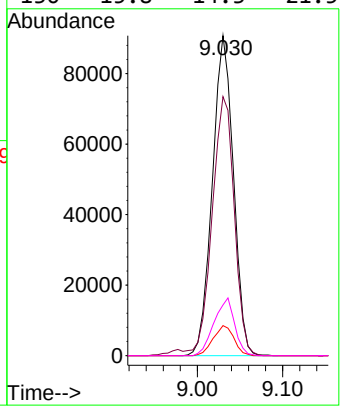




#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 70 Resp: 15568

Ion	Ratio	Lower	Upper
70	100		
42	80.9	65.2	97.8
101	9.4	7.9	11.9
130	15.8	14.3	21.5



Instrument :
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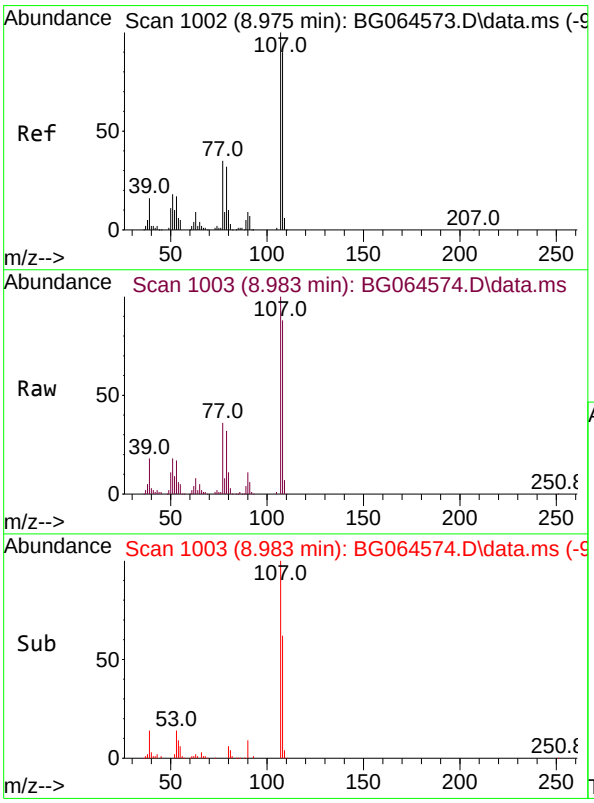
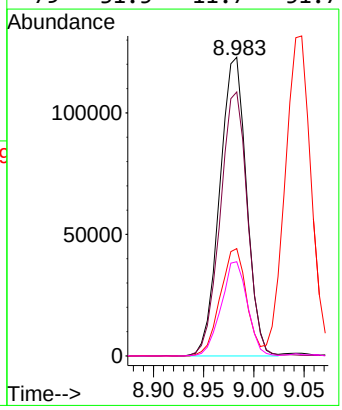
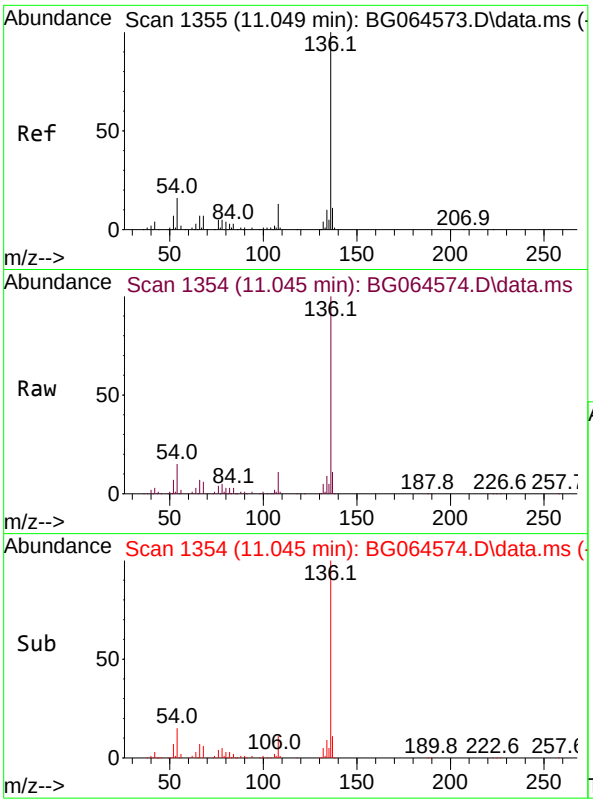


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.3	110.3
77	35.9	14.6	54.6
79	31.5	11.7	51.7

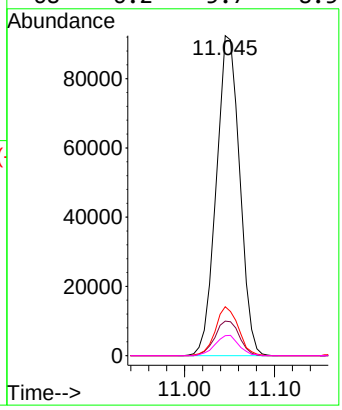




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:136 Resp: 16800

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	15.3	12.6	19.0
68	6.2	5.7	8.5



Instrument :
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ClientSampleId :
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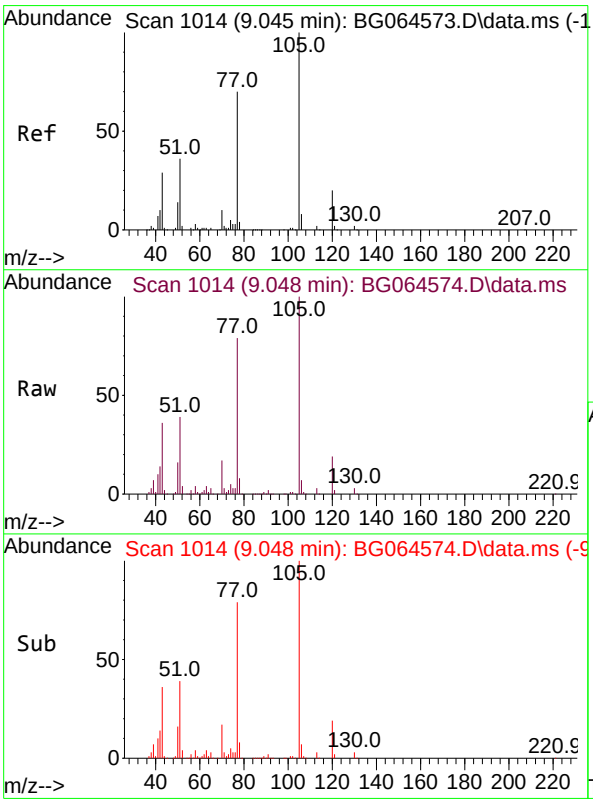
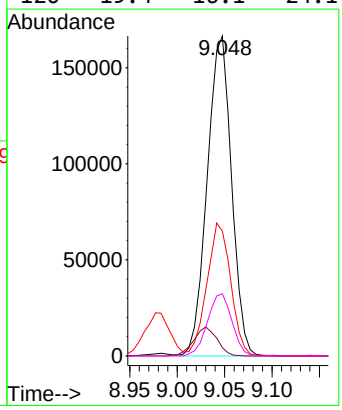
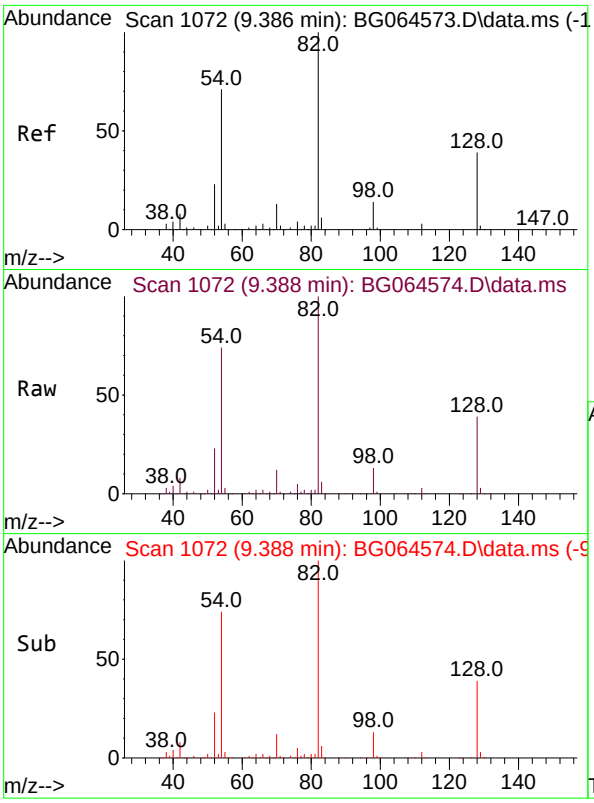


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	39.0	33.7	50.5
120	19.4	16.1	24.1

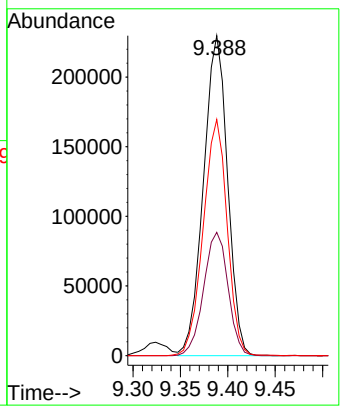




#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 40626

Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.3	46.9
54	73.8	56.6	84.8



Instrument :
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ClientSampleId :
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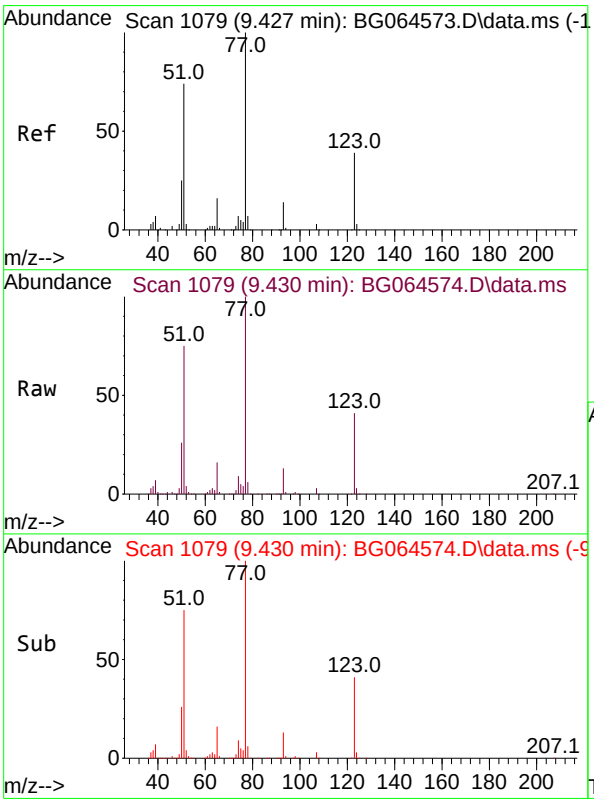
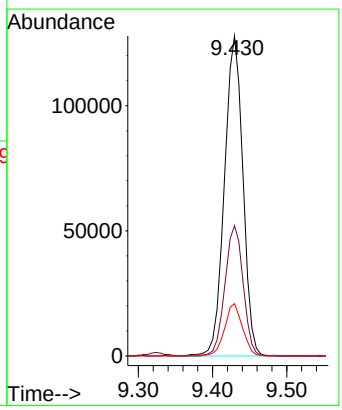
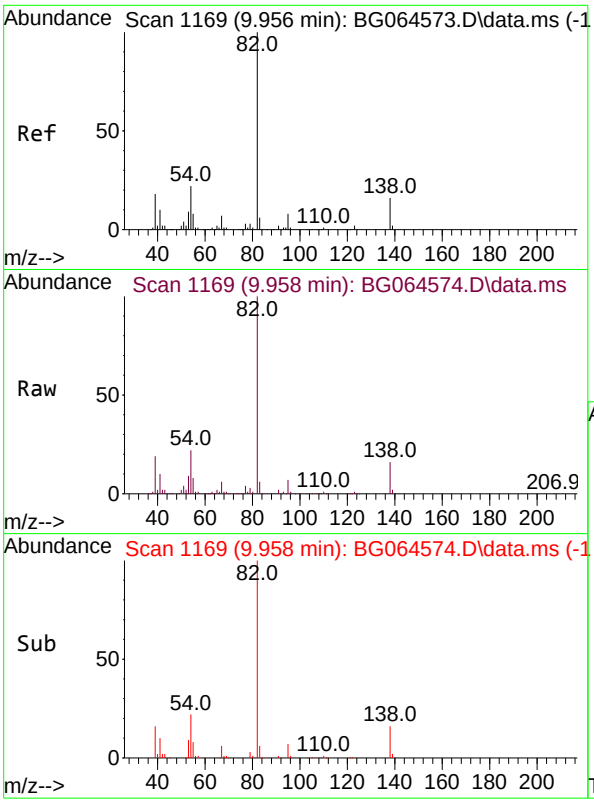


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 220774

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.3	12.7	19.1

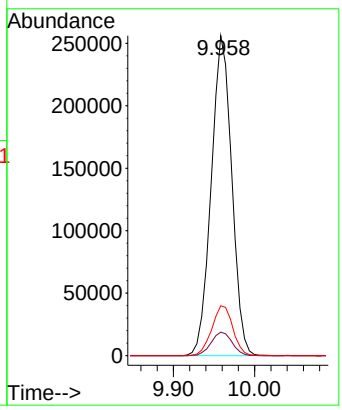




#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 449298

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.6	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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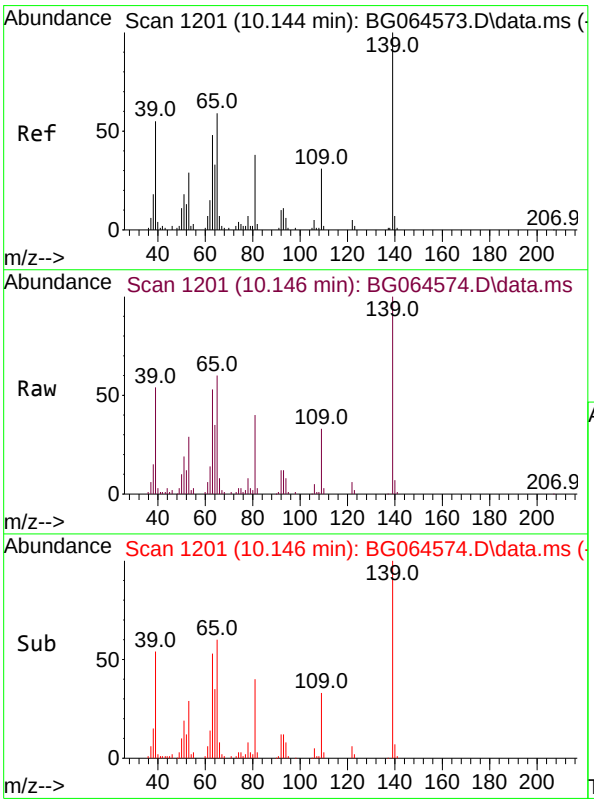
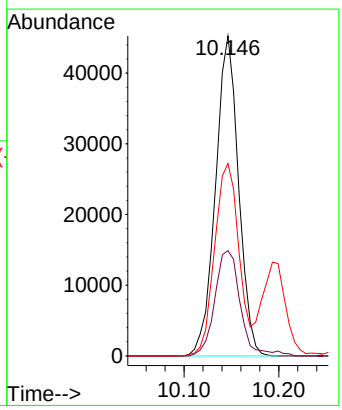
Supervised By :mohammad ahmed 11/05/2025

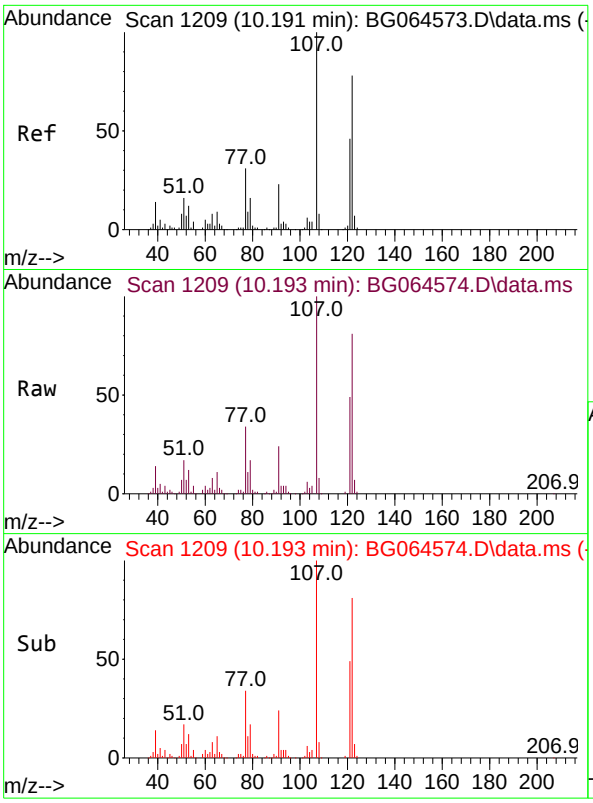


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 76368

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	60.1	47.5	71.3

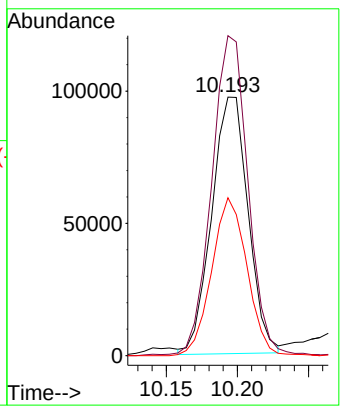




#27
2,4-Dimethylphenol
Concen: 69.317 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 17306

Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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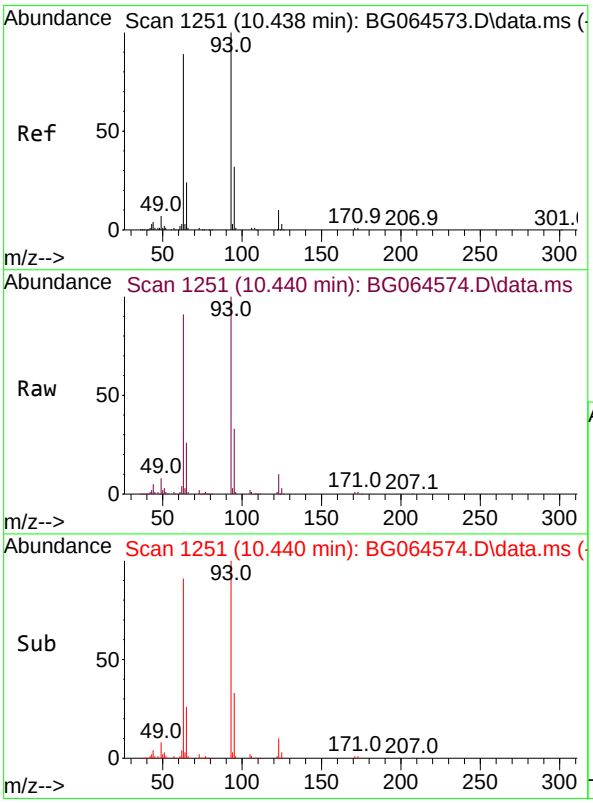
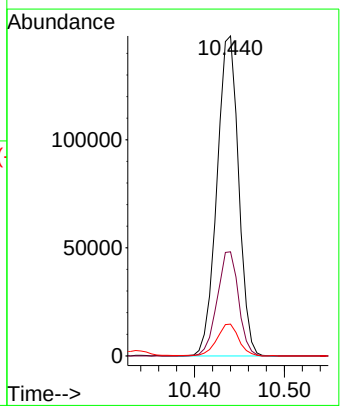
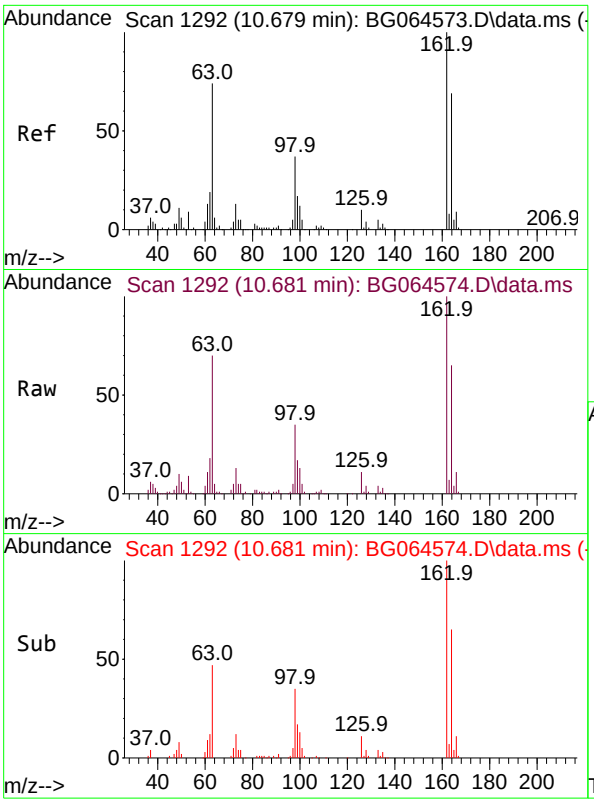


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 248699

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.9	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 70.056 ng
RT: 10.681 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 18823

Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	35.2	16.9	56.9

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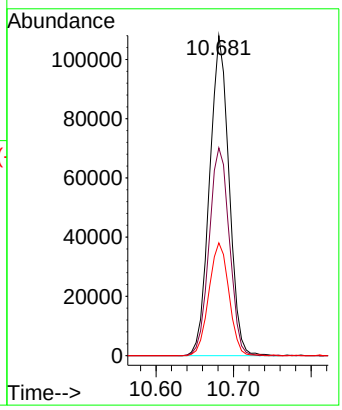
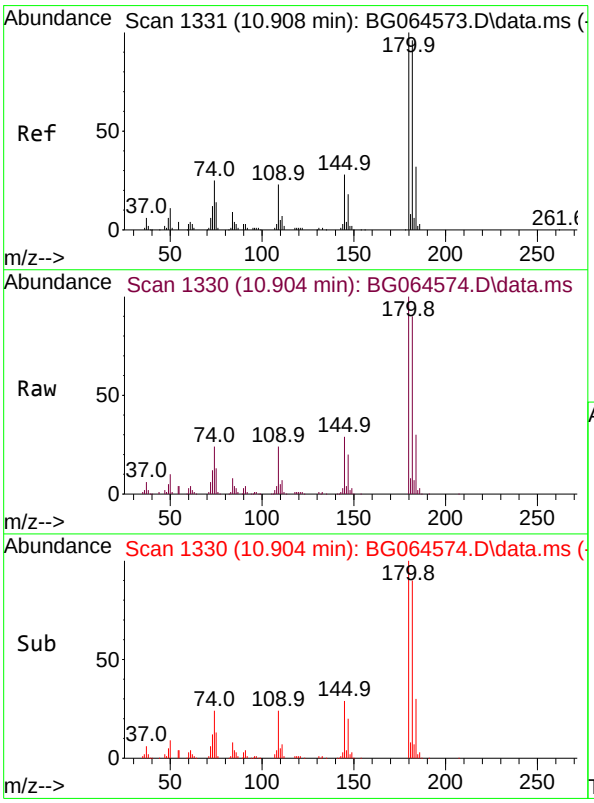
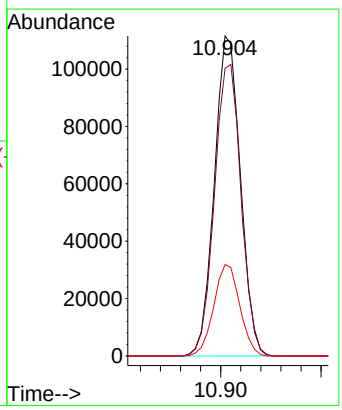


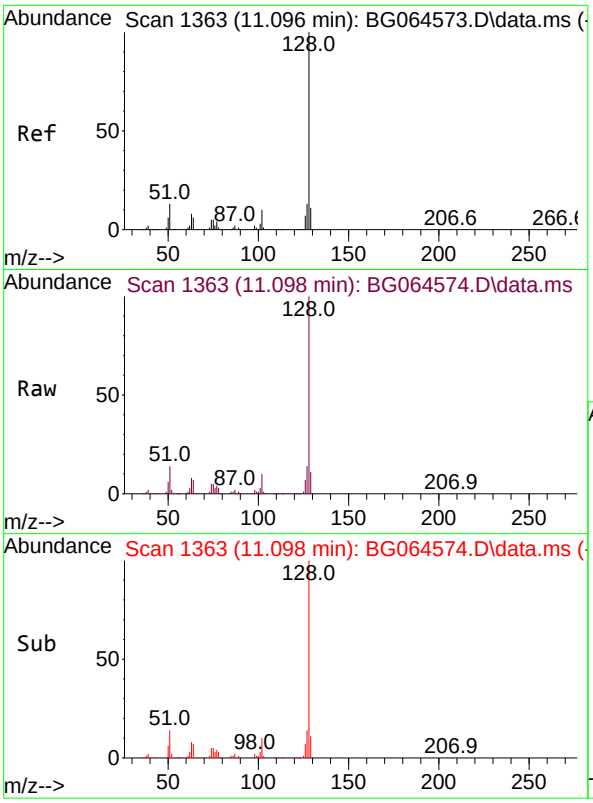


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:180 Resp: 200988

Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.9	115.3
145	28.5	22.1	33.1

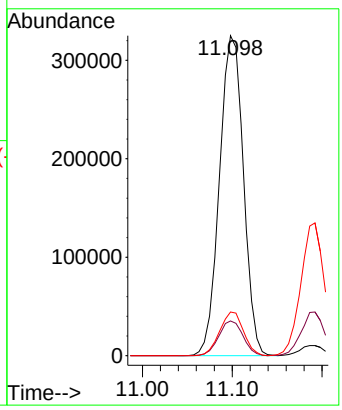




#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 60523

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	15.8



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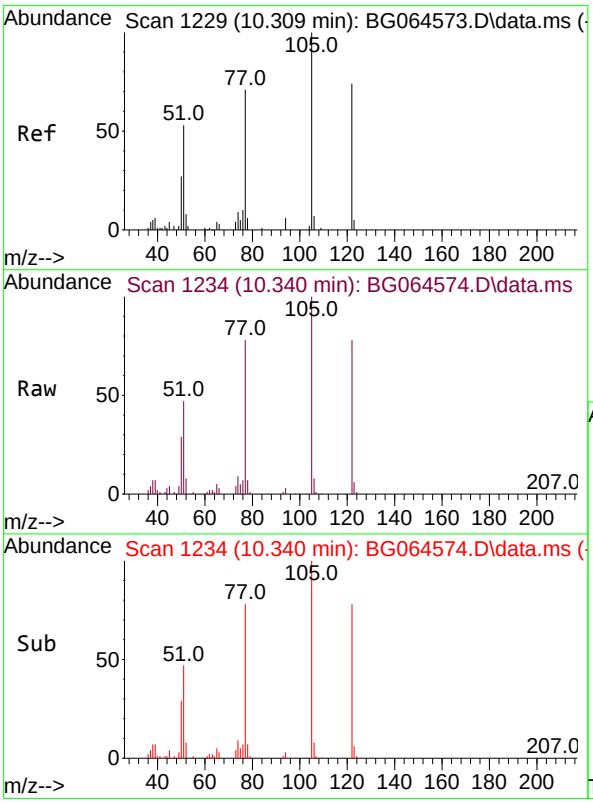
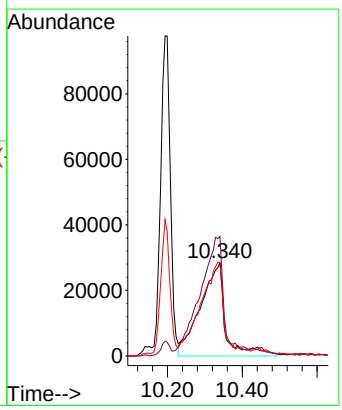
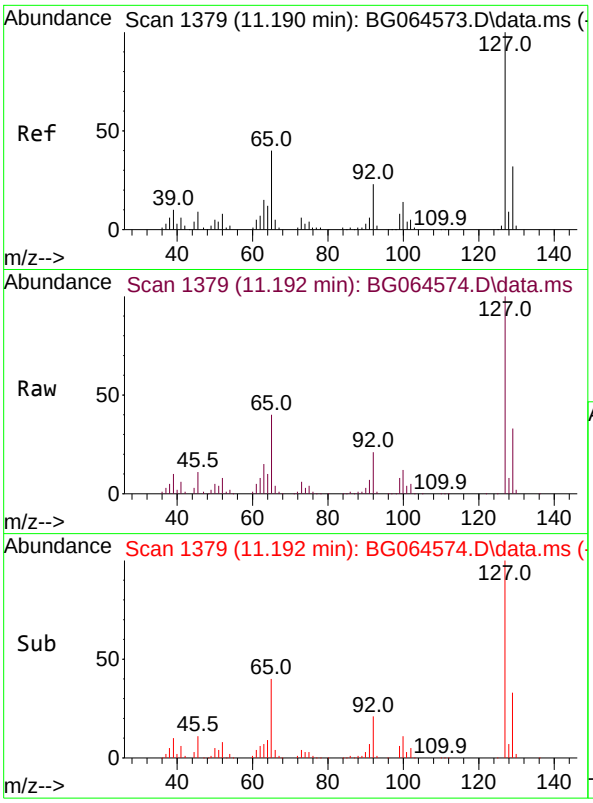


#32
Benzoic acid
Concen: 65.612 ng m
RT: 10.340 min Scan# 1234
Delta R.T. 0.031 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 130898

Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.2	144.2
77	99.8	70.2	110.2

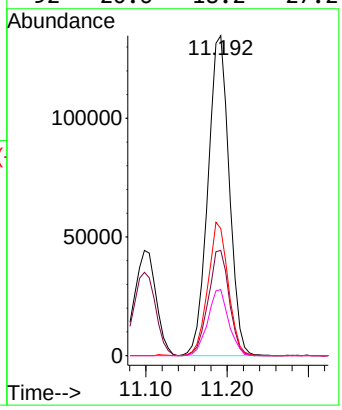




#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:127 Resp: 245101

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	39.7	32.2	48.4
92	20.6	18.2	27.2



Instrument :
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ClientSampleId :
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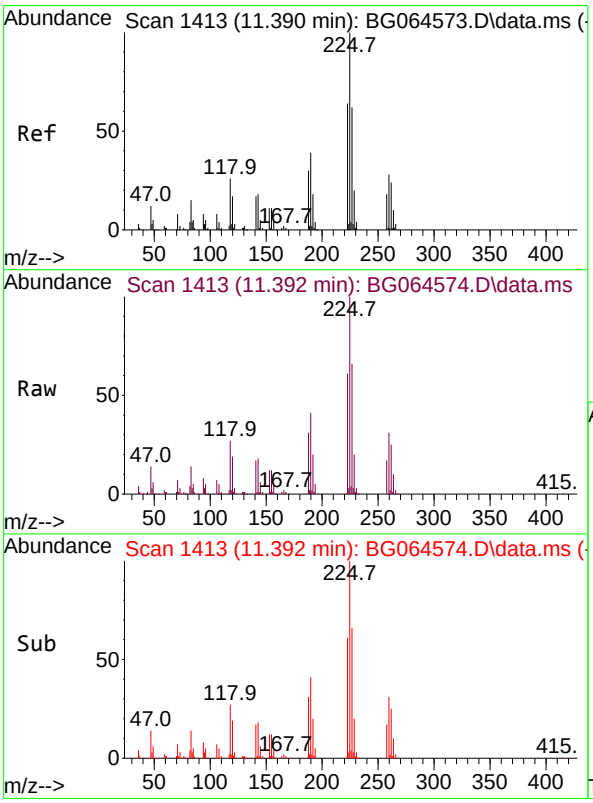
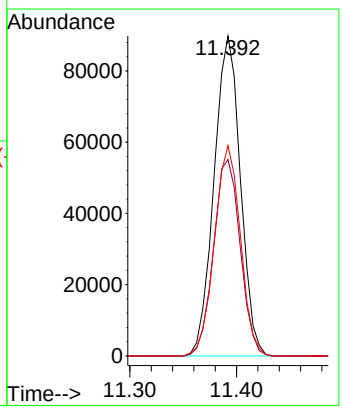
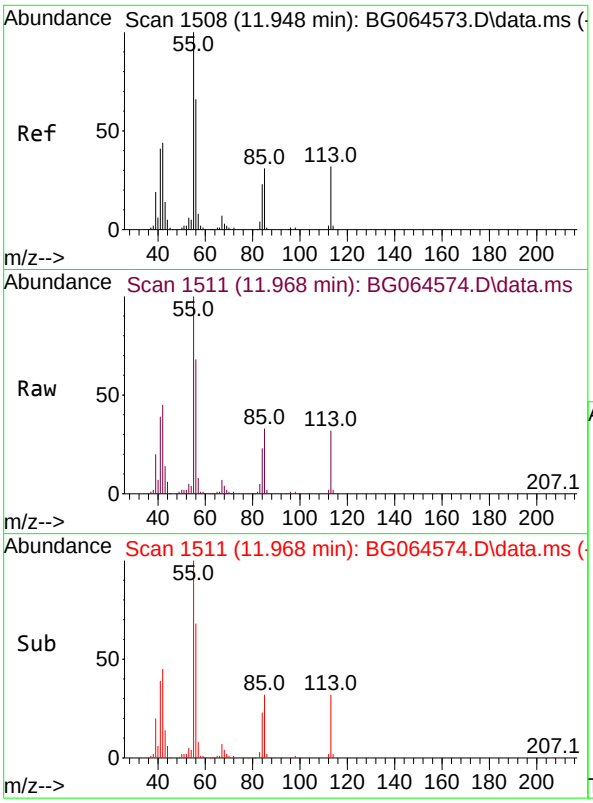


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:225 Resp: 154303

Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.8	73.2
227	65.7	49.5	74.3

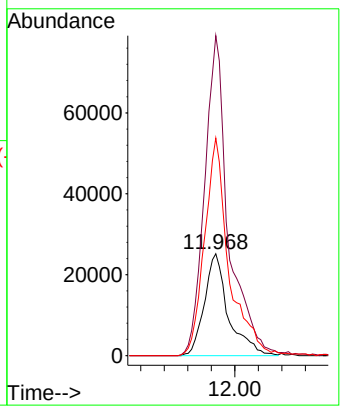




#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. 0.020 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:113 Resp: 7131

Ion	Ratio	Lower	Upper
113	100		
55	314.3	290.1	330.1
56	213.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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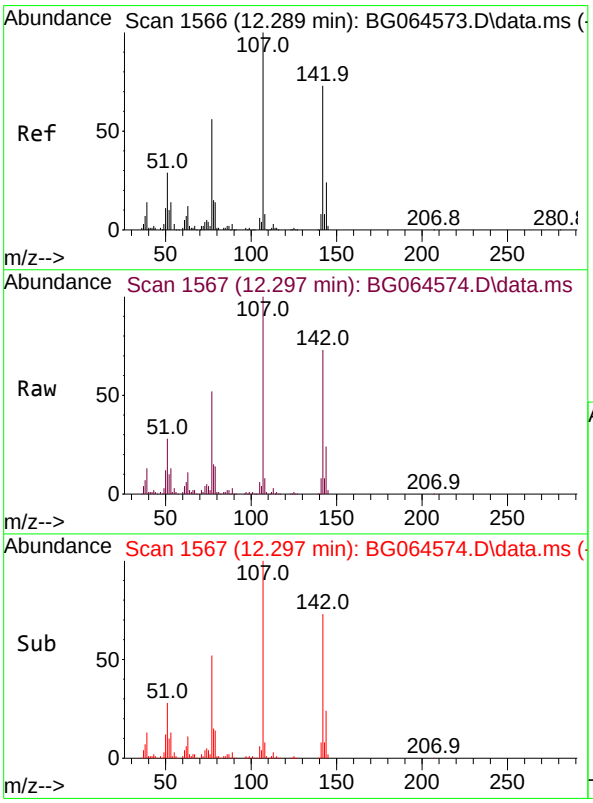
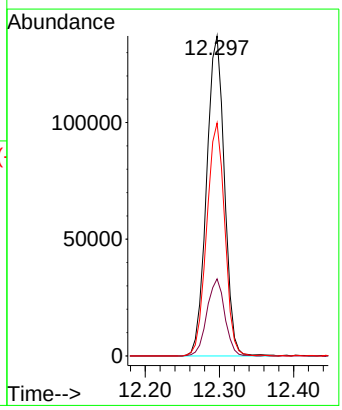
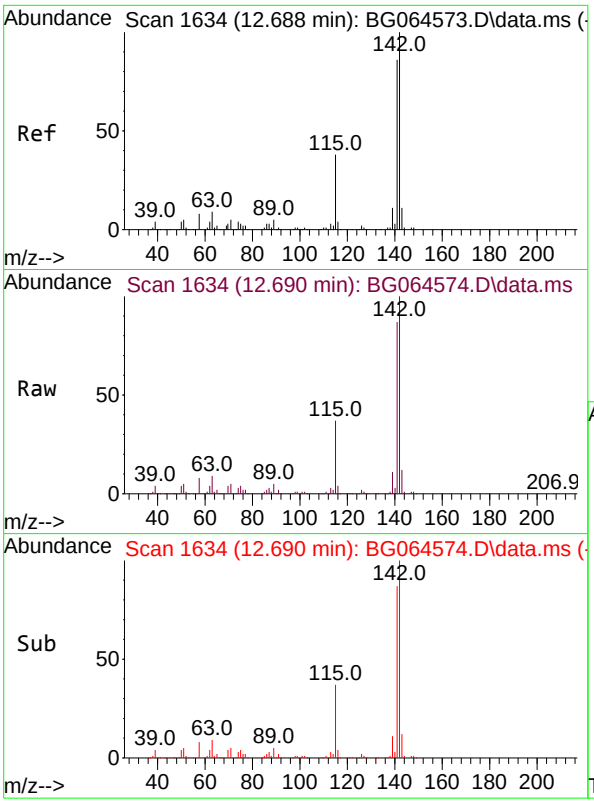


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228833

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.1	28.7
142	72.8	58.6	87.8

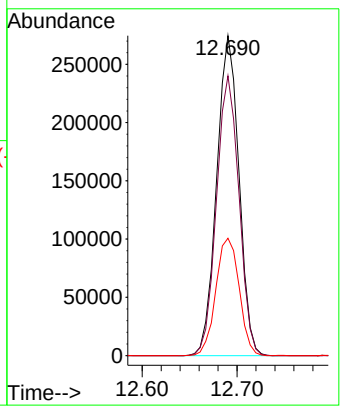




#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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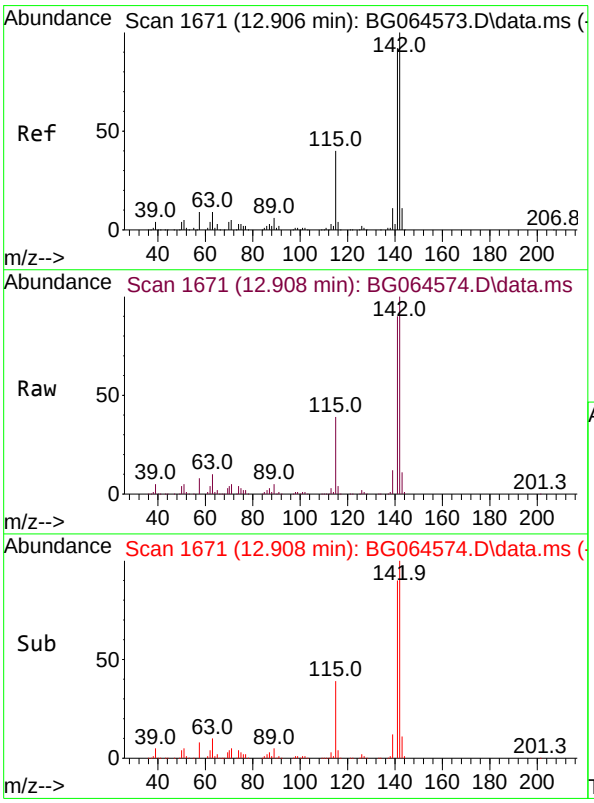
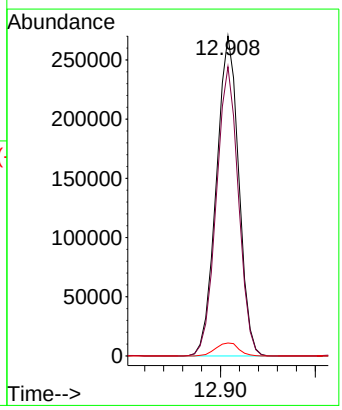
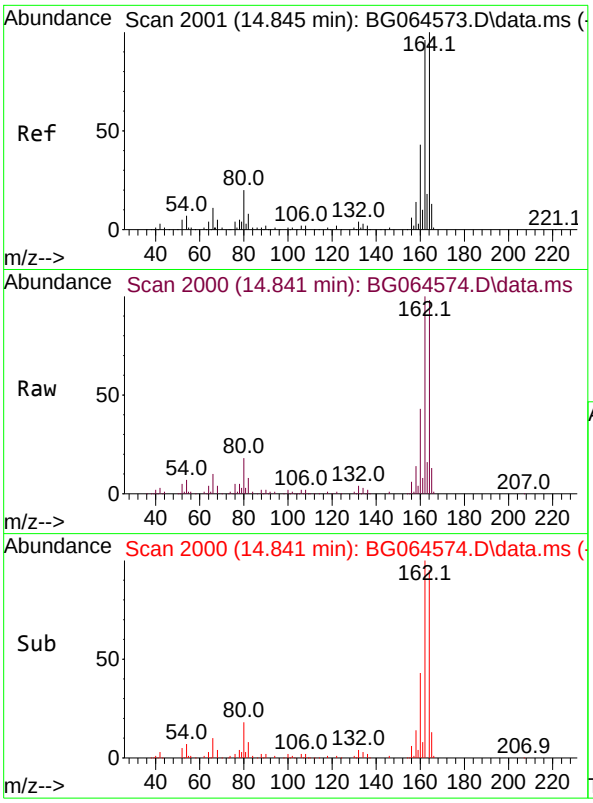


#38
1-Methylnaphthalene
Concen: 65.402 ng
RT: 12.908 min Scan# 1671
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 442677

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.3	109.9
116	4.0	3.1	4.7

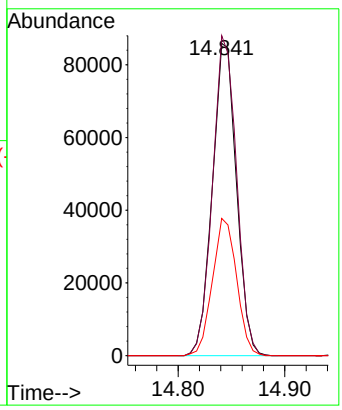




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:164 Resp: 13499

Ion	Ratio	Lower	Upper
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6



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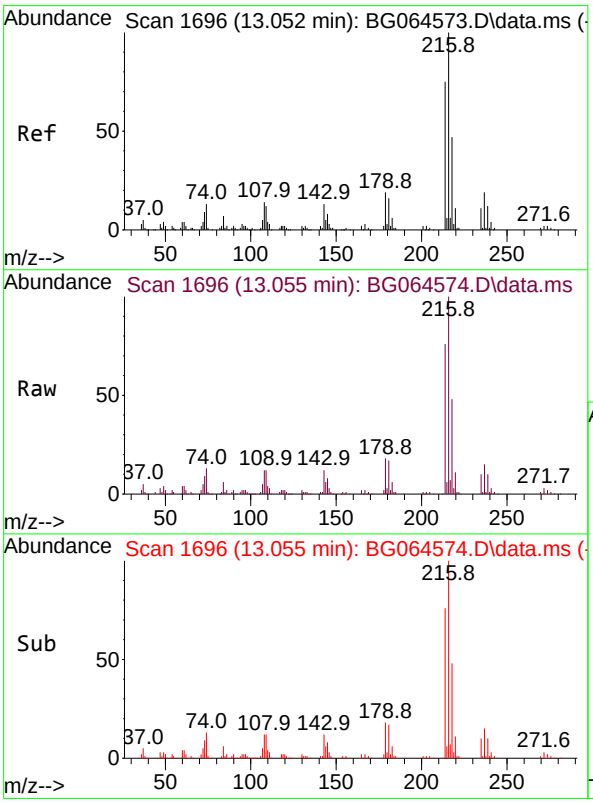
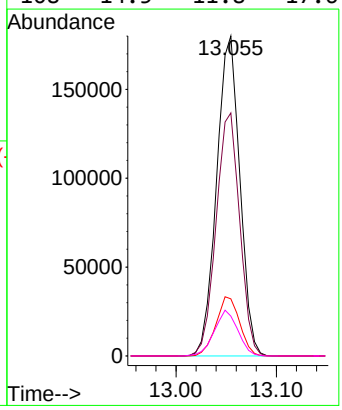
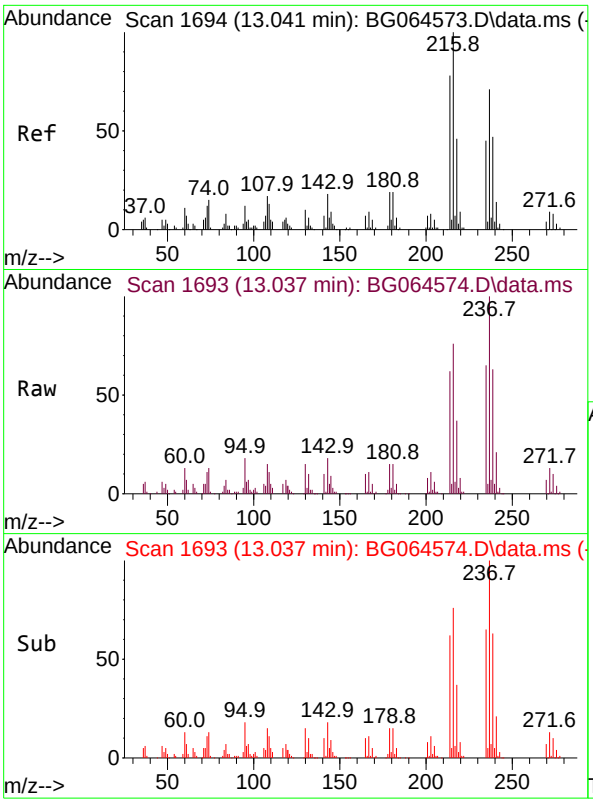


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:216 Resp: 290173

Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.4	92.2
179	18.8	15.4	23.0
108	14.5	11.8	17.6

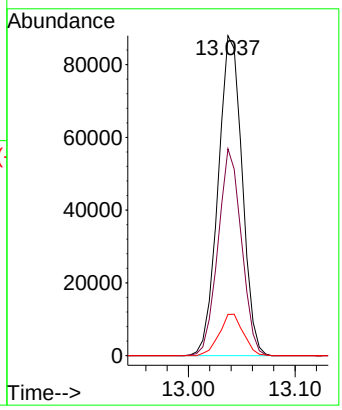




#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:237 Resp: 13772

Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.1	84.1
272	12.9	0.0	32.4



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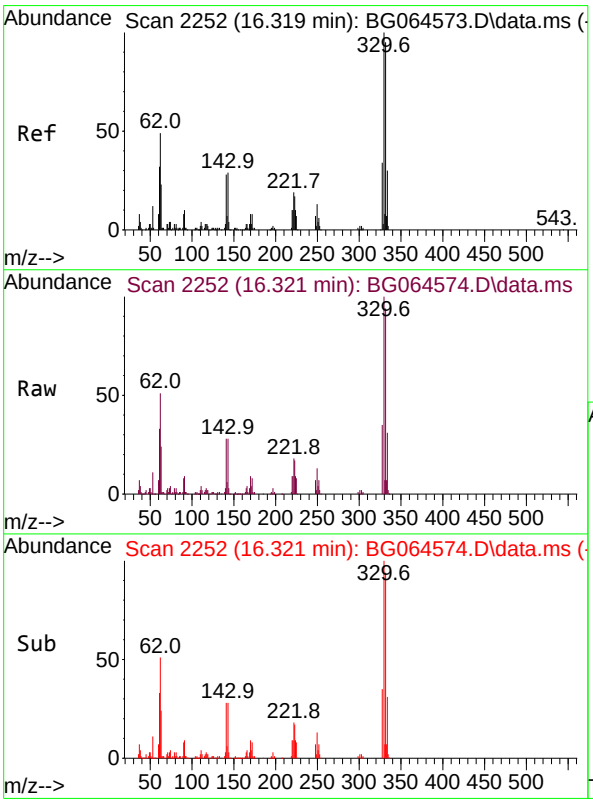
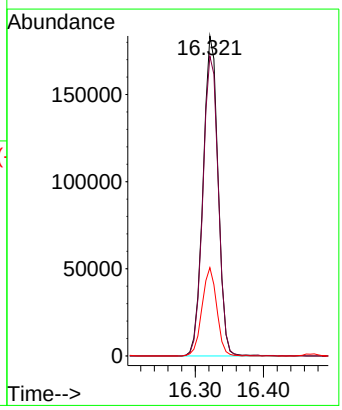
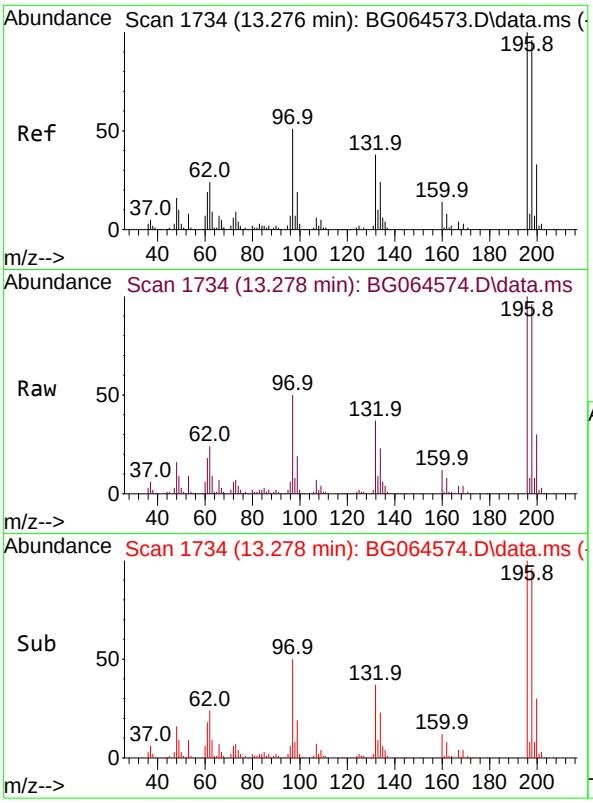


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.0	21.8	32.6

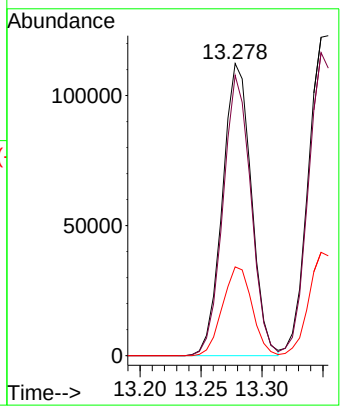




#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 18477

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
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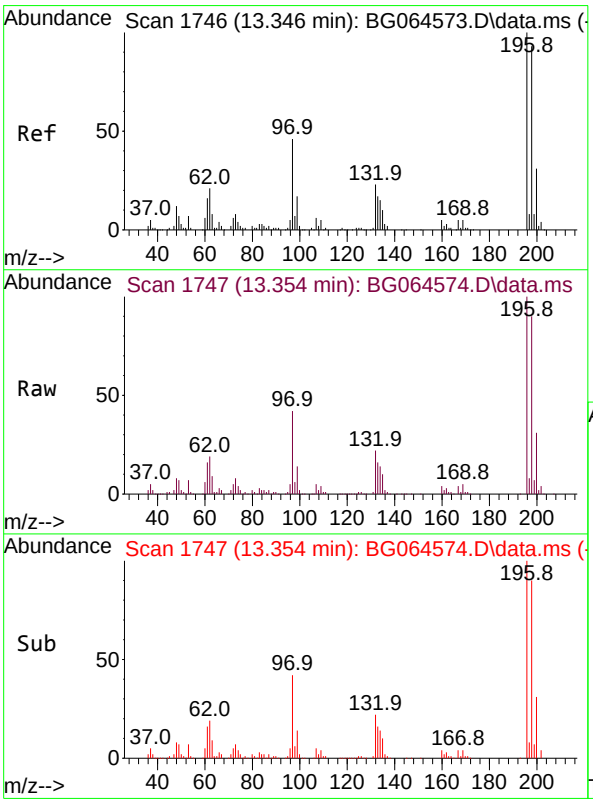
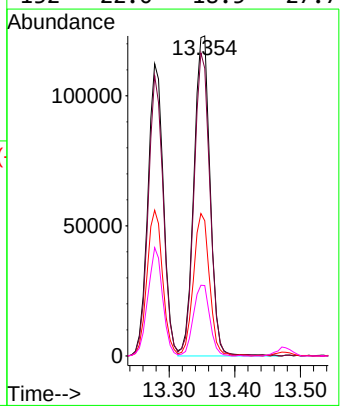
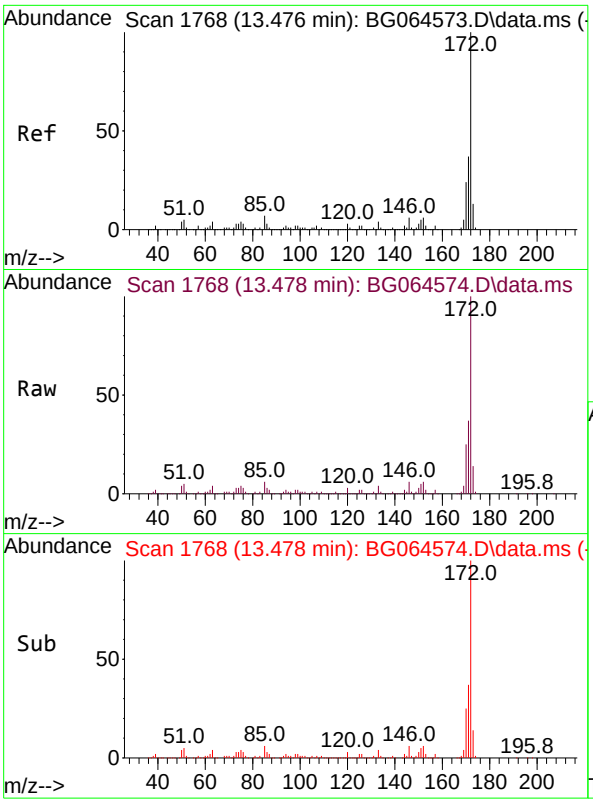


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

Ion	Ratio	Lower	Upper
196	100		
198	89.8	74.2	111.4
97	42.2	37.0	55.6
132	22.0	18.5	27.7

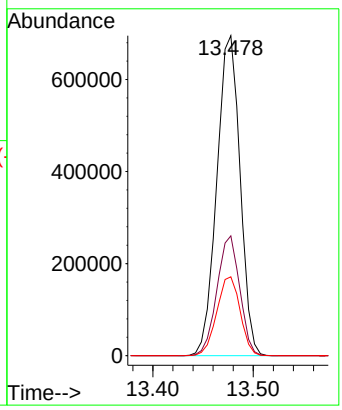




#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:172 Resp: 1120989

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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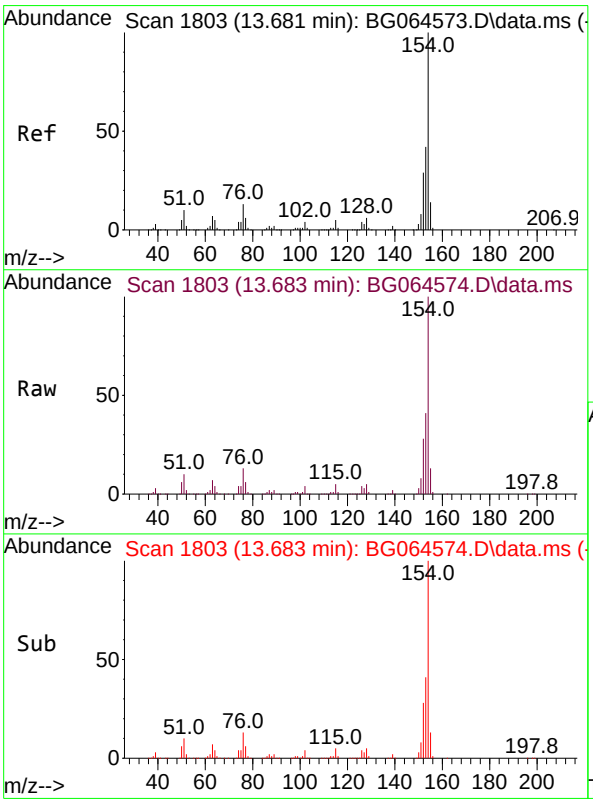
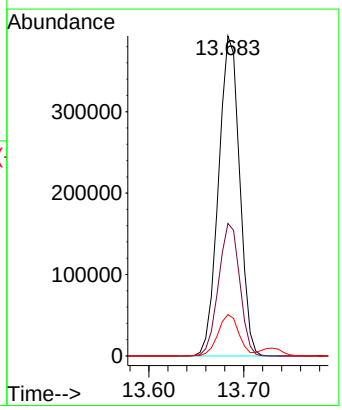
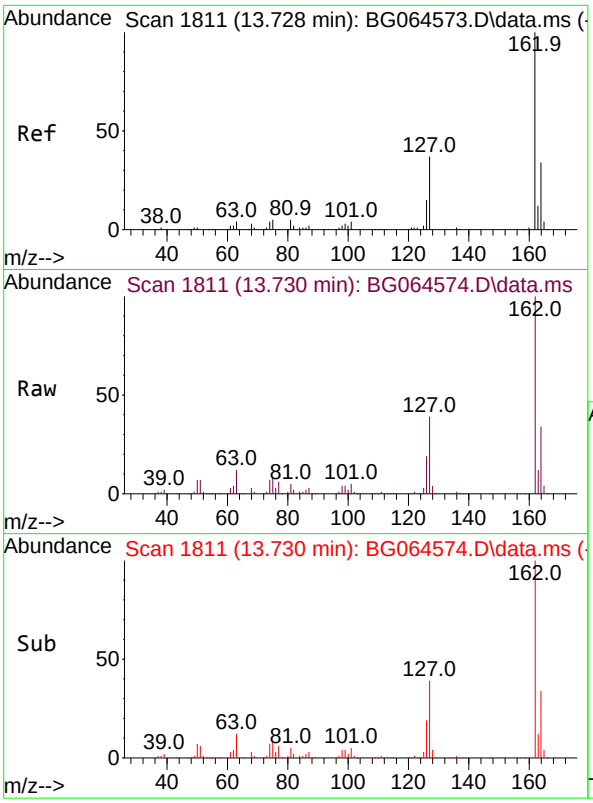


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 606860

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	12.9	0.0	33.5

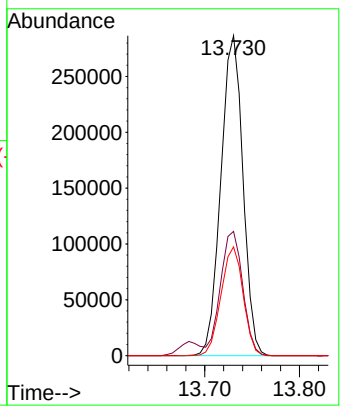




#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 463791

Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.2
164	34.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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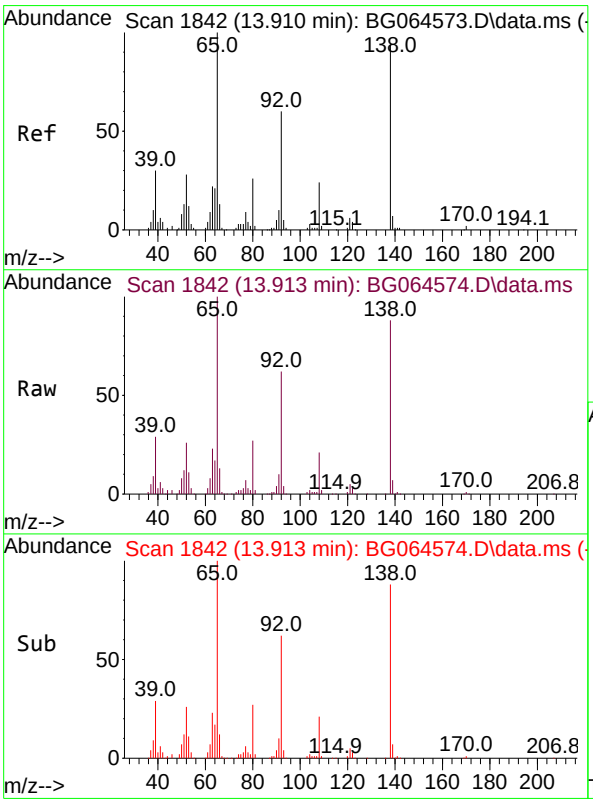
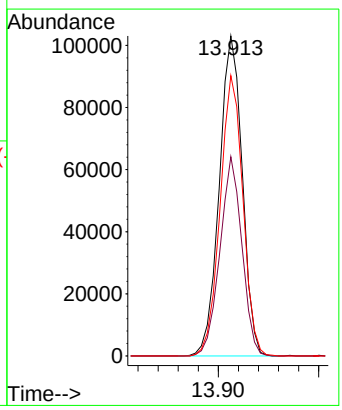
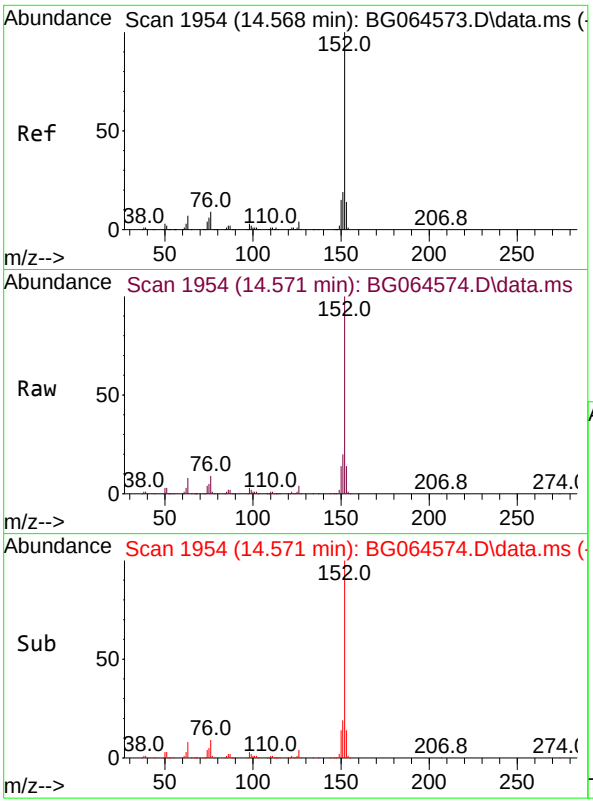


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 65 Resp: 163796

Ion	Ratio	Lower	Upper
65	100		
92	62.2	48.3	72.5
138	87.6	74.9	112.3

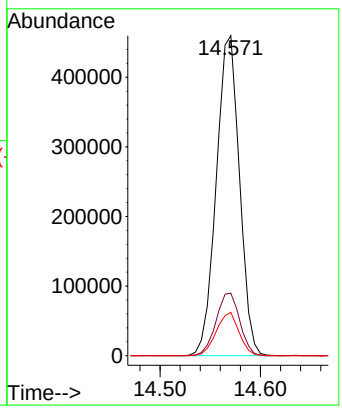




#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 739728

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
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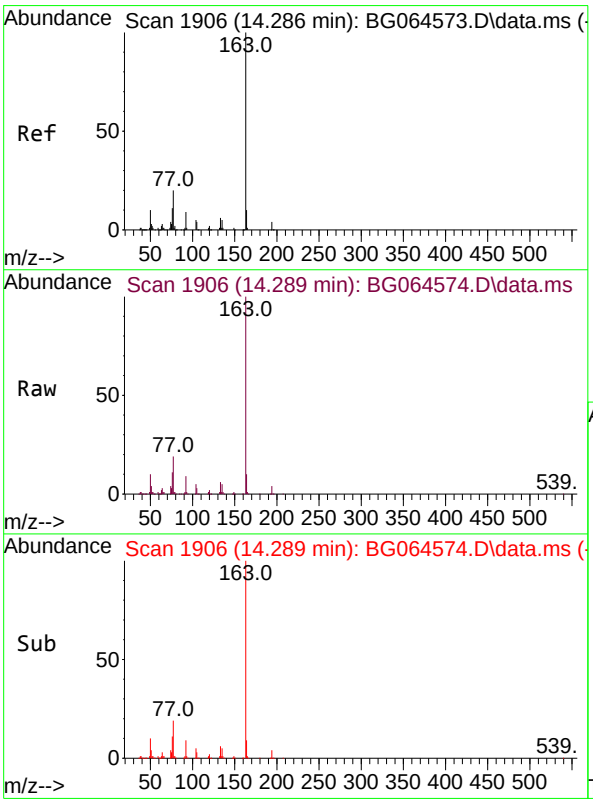
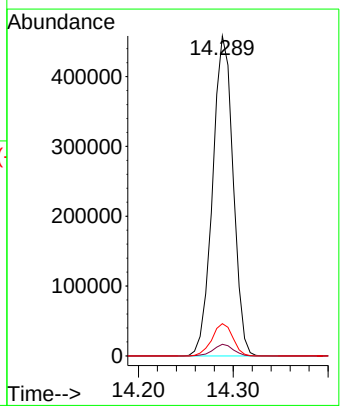
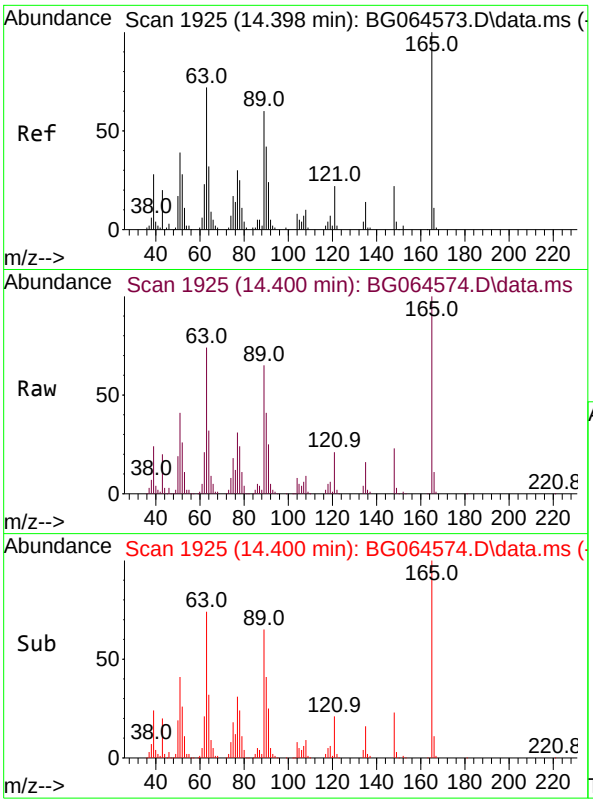


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:163 Resp: 688128

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5

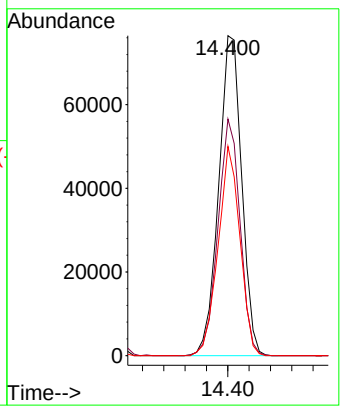




#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 114588

Ion	Ratio	Lower	Upper
165	100		
63	73.9	57.4	86.0
89	65.4	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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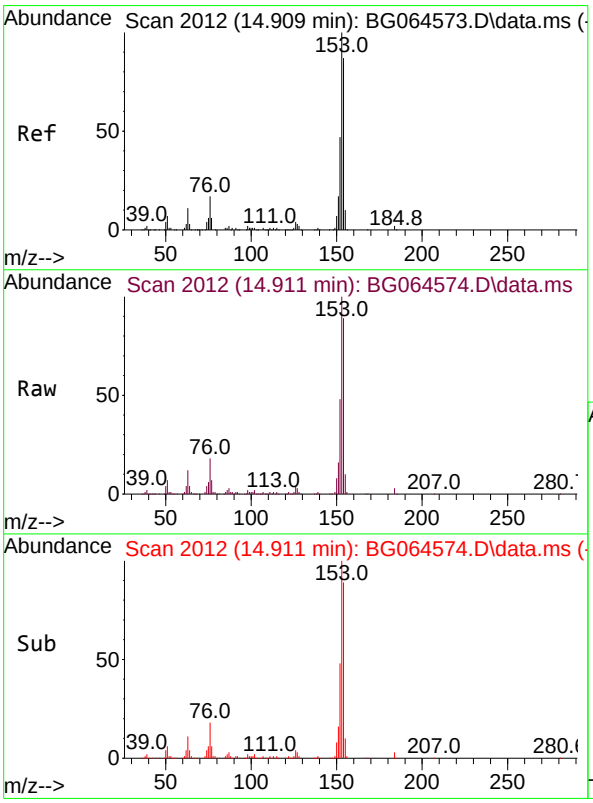
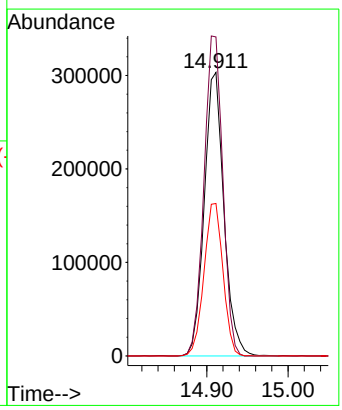
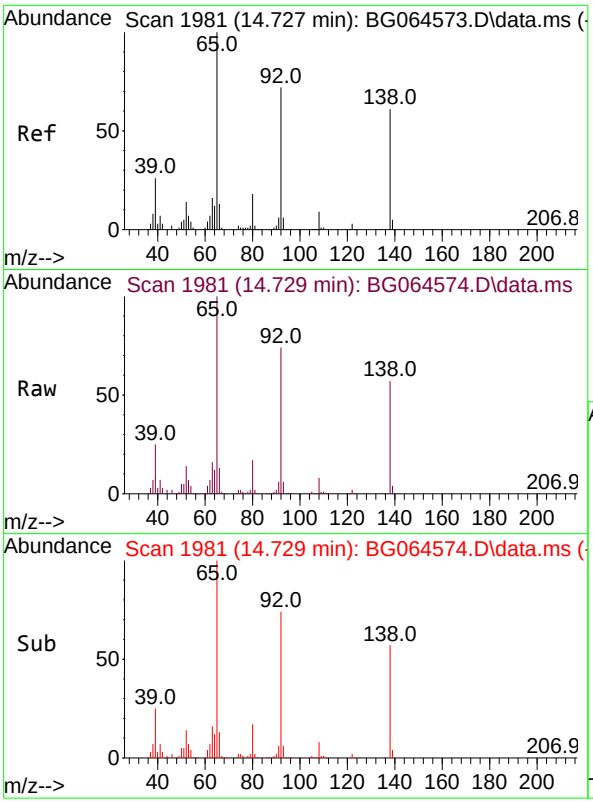


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 510499

Ion	Ratio	Lower	Upper
154	100		
153	112.5	92.2	138.4
152	53.8	43.2	64.8

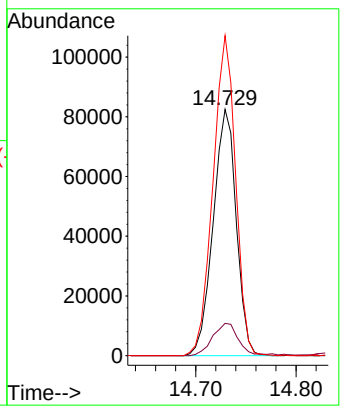




#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 13177

Ion	Ratio	Lower	Upper
138	100		
108	13.1	11.4	17.0
92	130.0	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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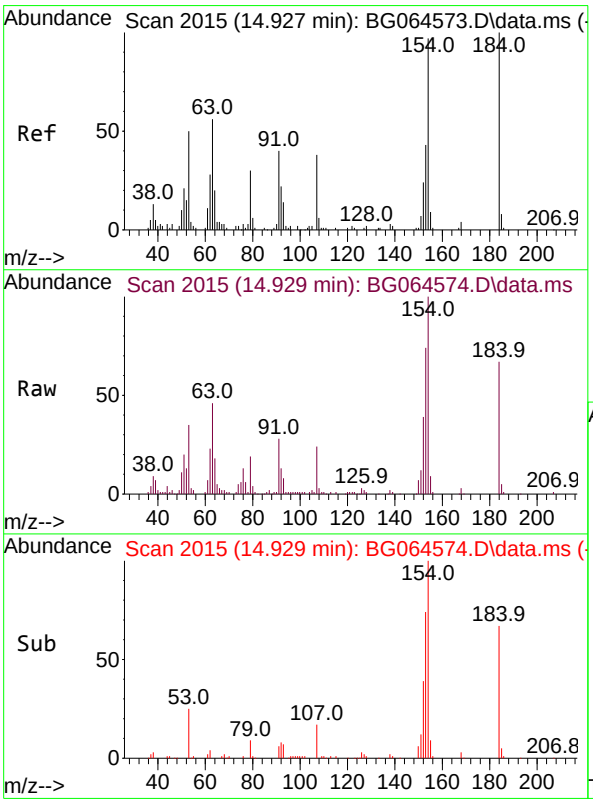
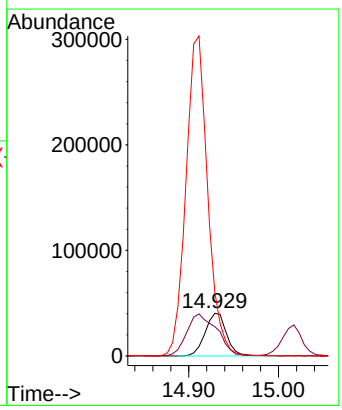
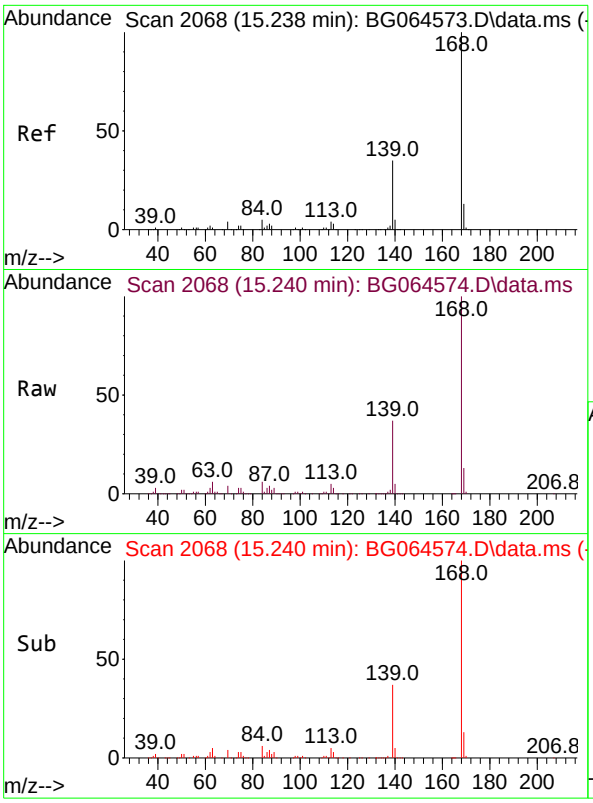


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 66900

Ion	Ratio	Lower	Upper
184	100		
63	68.5	56.6	85.0
154	149.4	158.6	238.0#

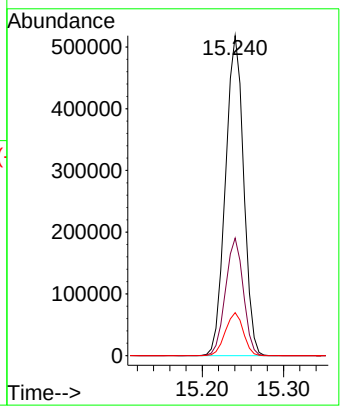




#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 80496

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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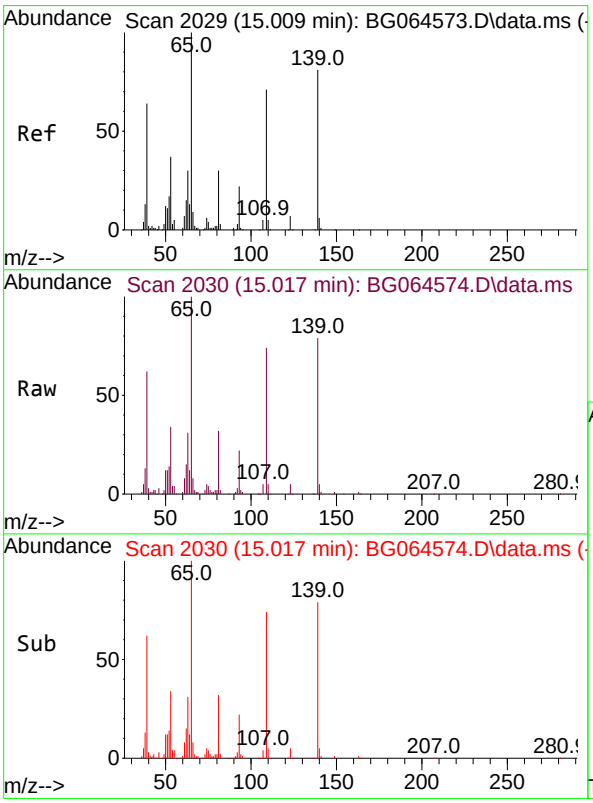
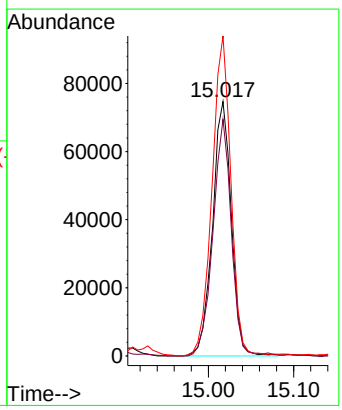
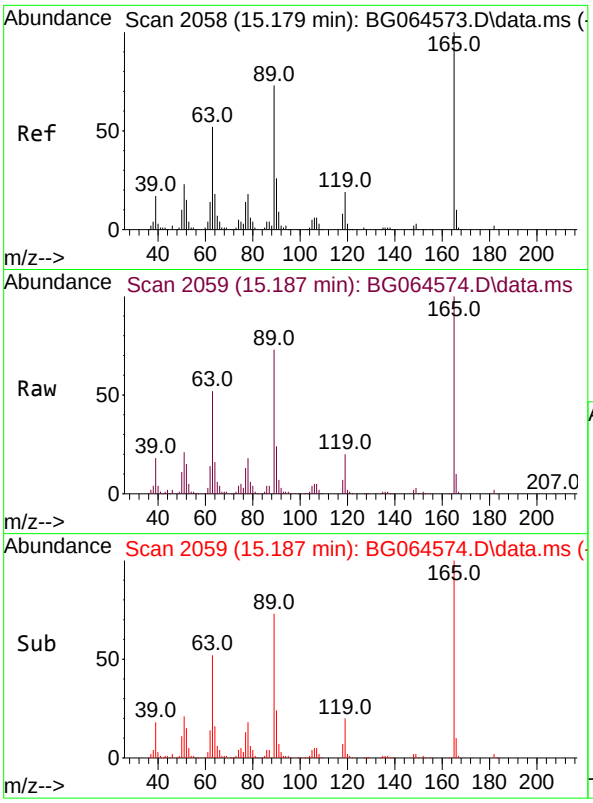


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 114408

Ion	Ratio	Lower	Upper
139	100		
109	93.0	67.8	107.8
65	125.8	103.7	143.7

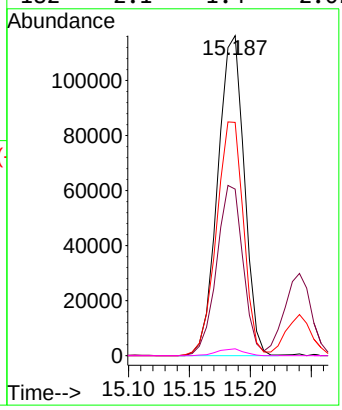




#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 17580

Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.8	62.8
89	72.9	58.1	87.1
182	2.1	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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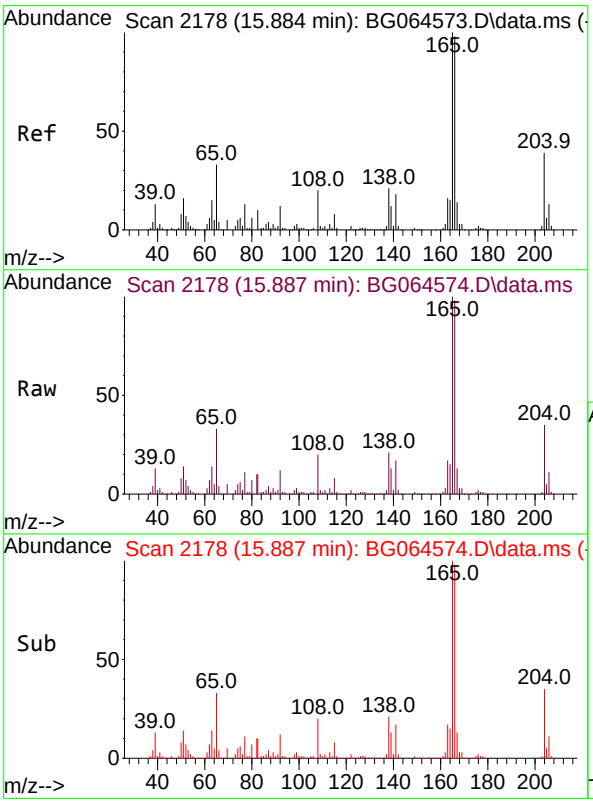
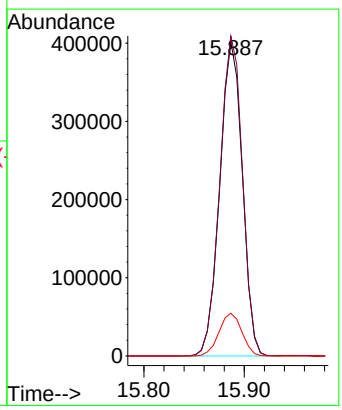
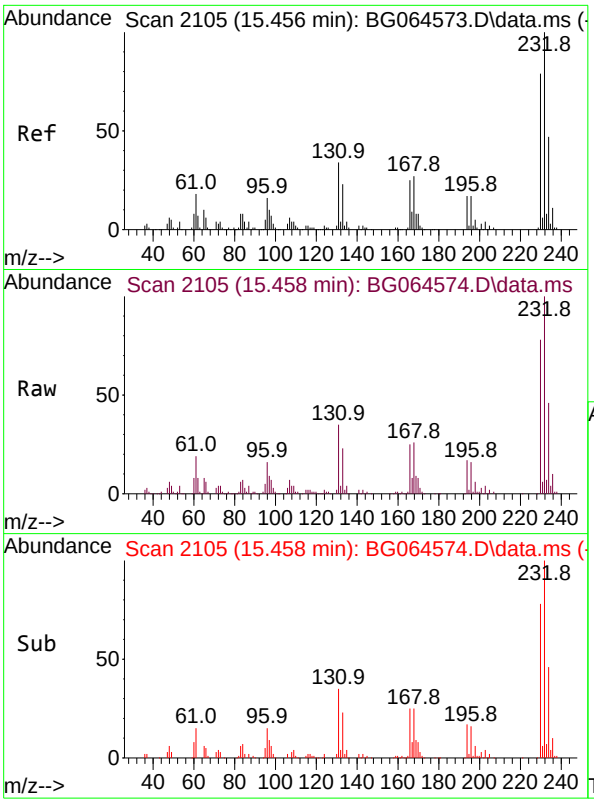


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:166 Resp: 627437

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.5	122.3
167	13.5	11.4	17.0

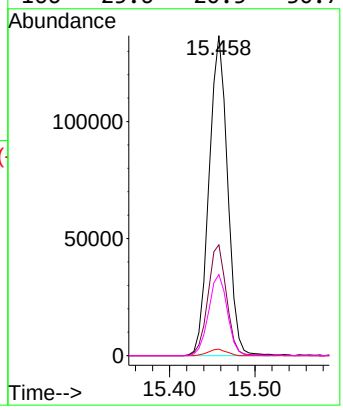




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:232 Resp: 20552

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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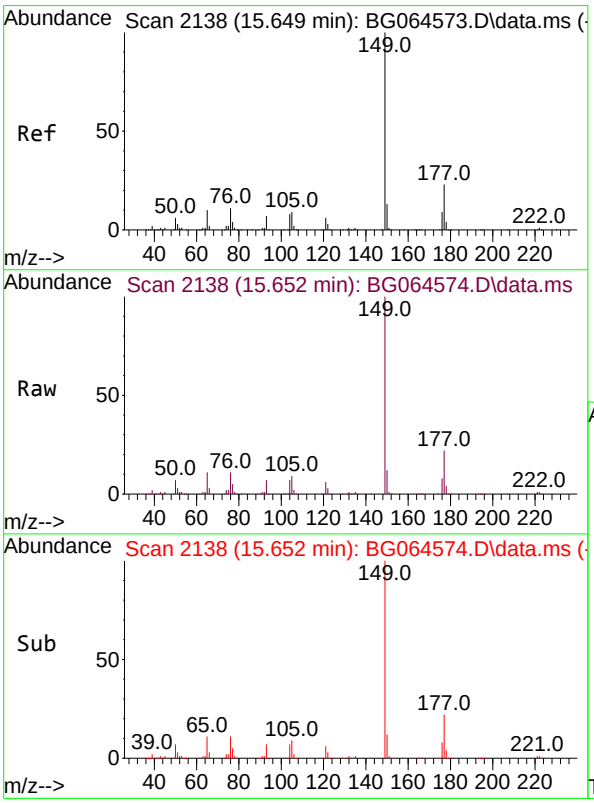
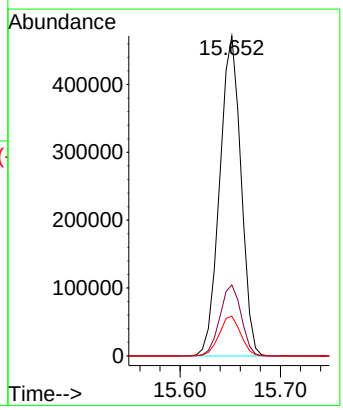
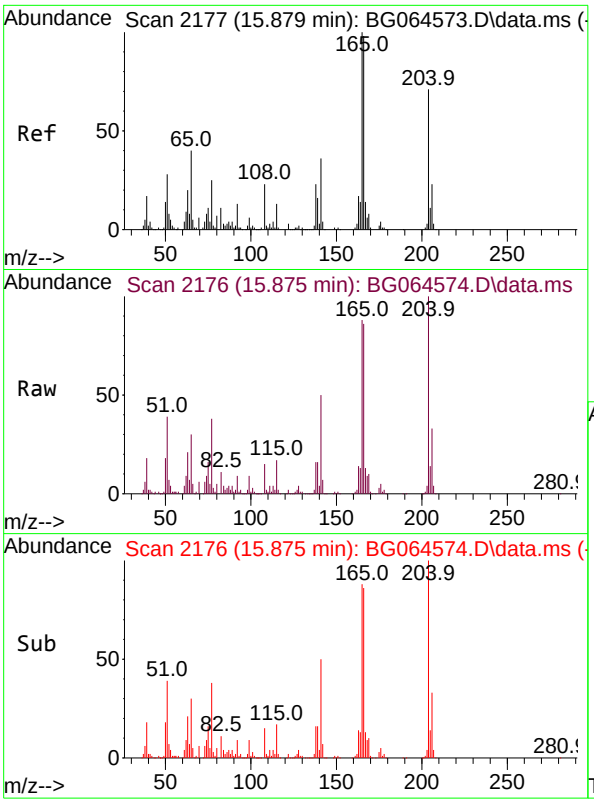


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 695924

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:204 Resp: 359759

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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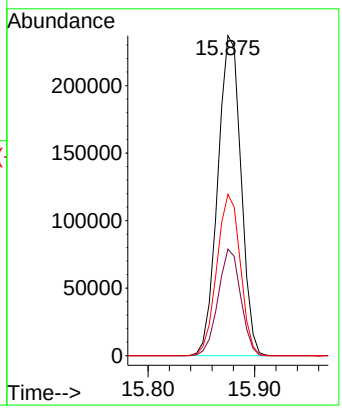
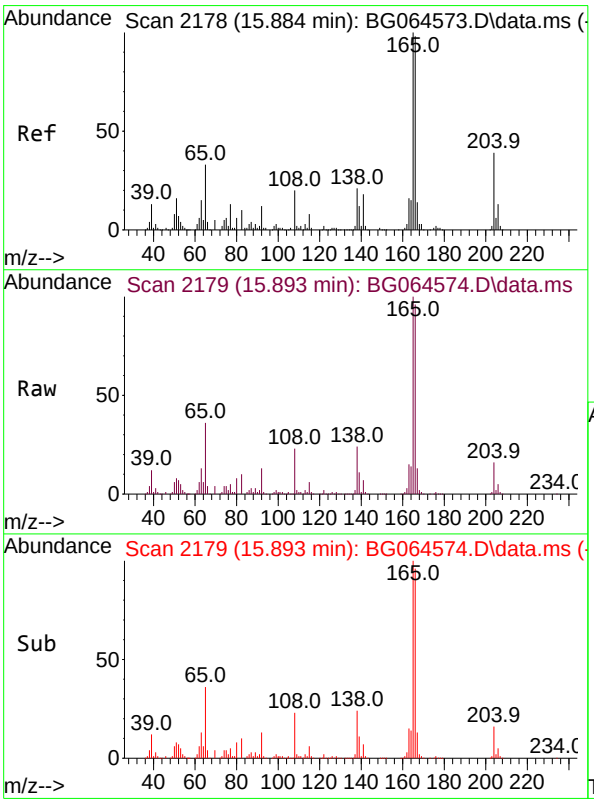
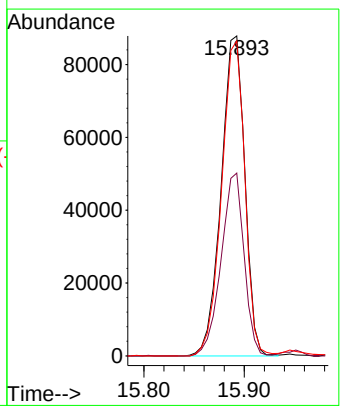


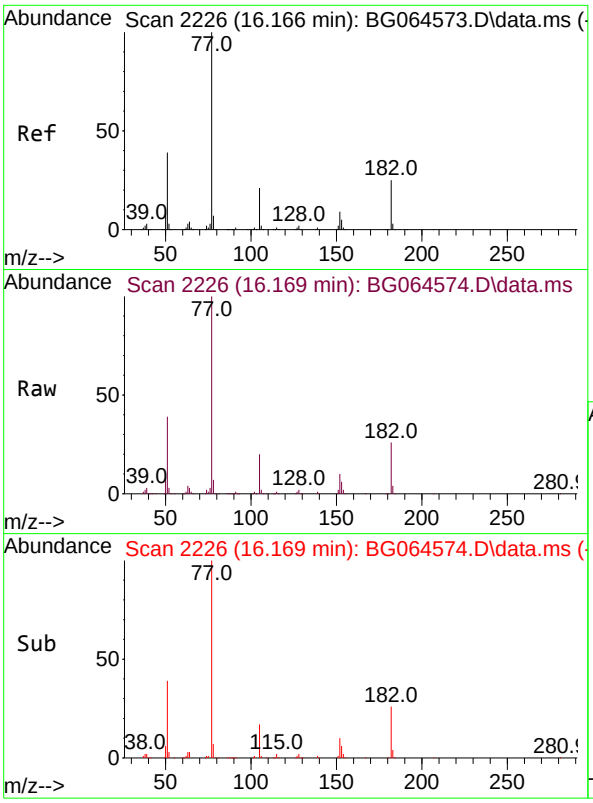


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 143839

Ion	Ratio	Lower	Upper
138	100		
92	57.1	36.1	76.1
108	98.4	75.6	115.6

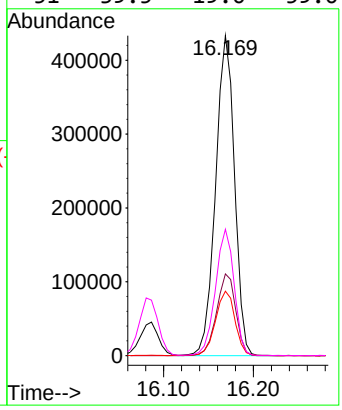




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 63352

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	20.1	1.3	41.3
51	39.5	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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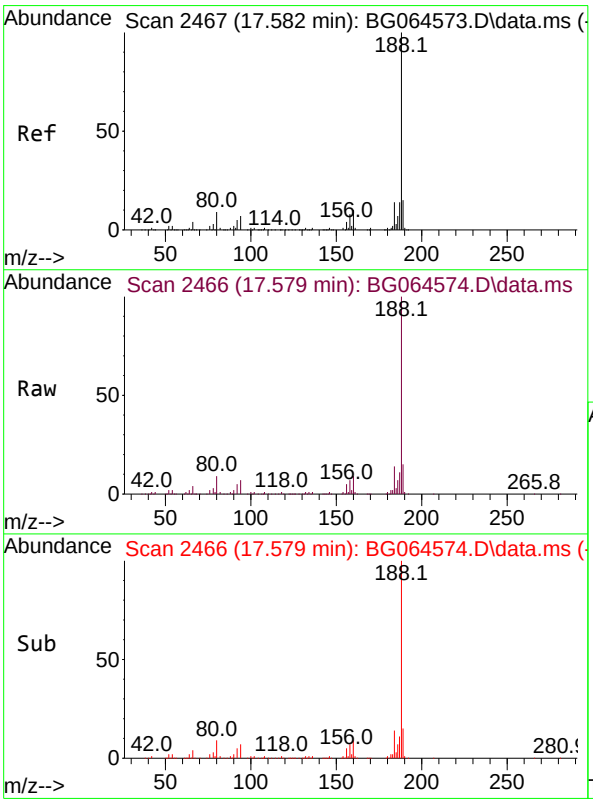
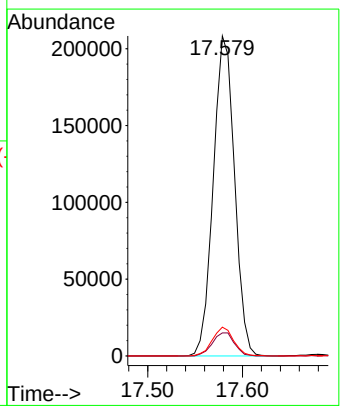
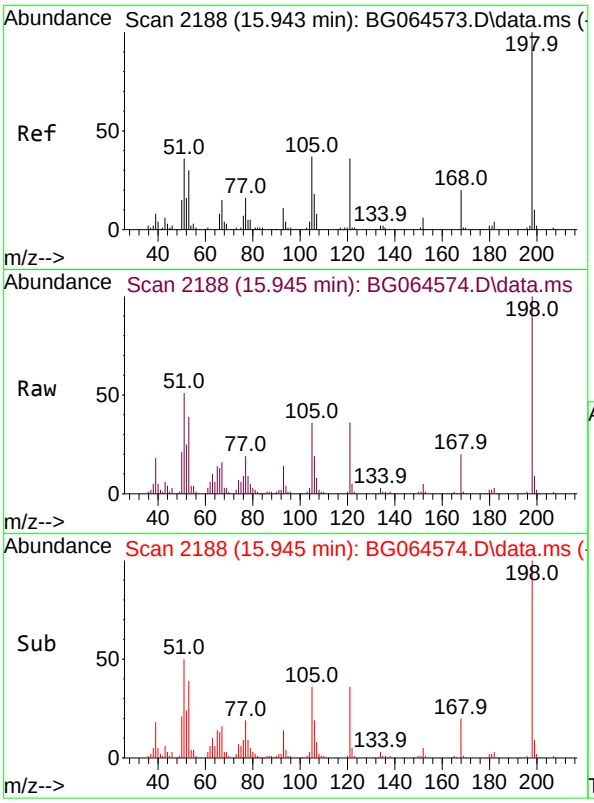


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:188 Resp: 324385

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	9.0	6.8	10.2

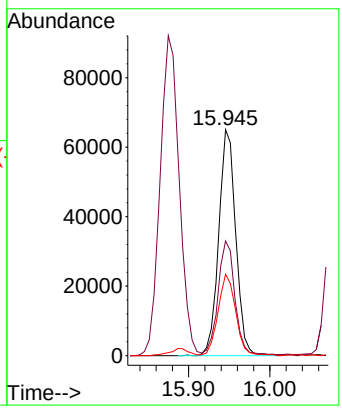




#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:198 Resp: 9433

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	36.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
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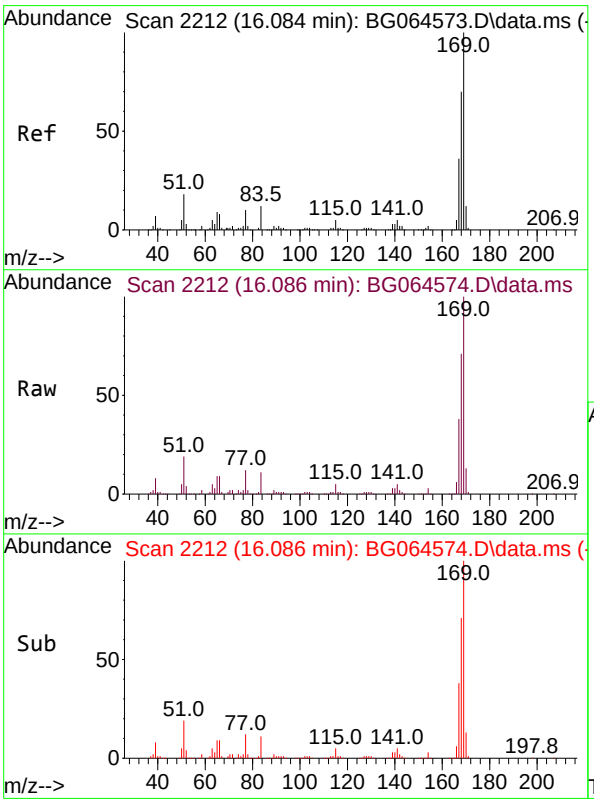
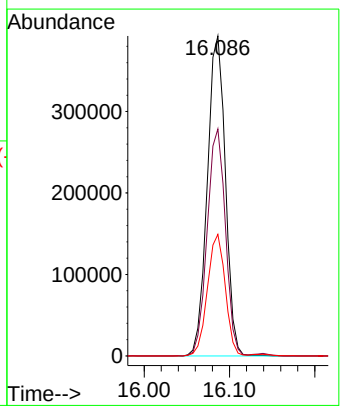
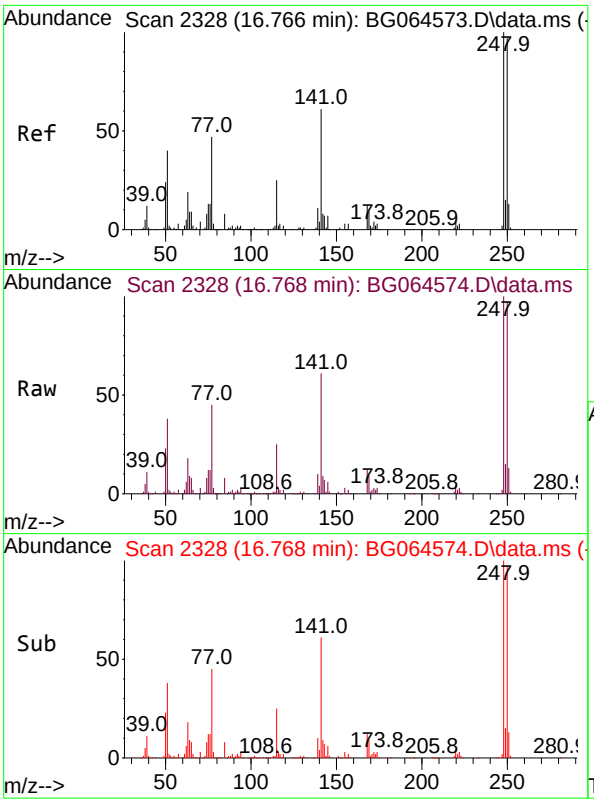


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:169 Resp: 577835

Ion	Ratio	Lower	Upper
169	100		
168	70.9	56.3	84.5
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:248 Resp: 25655

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	60.8	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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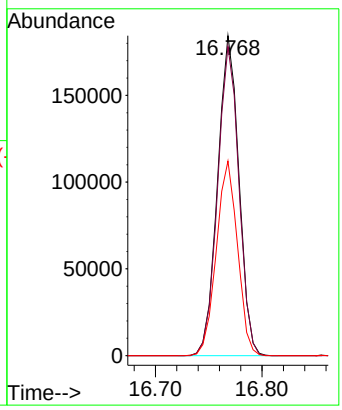
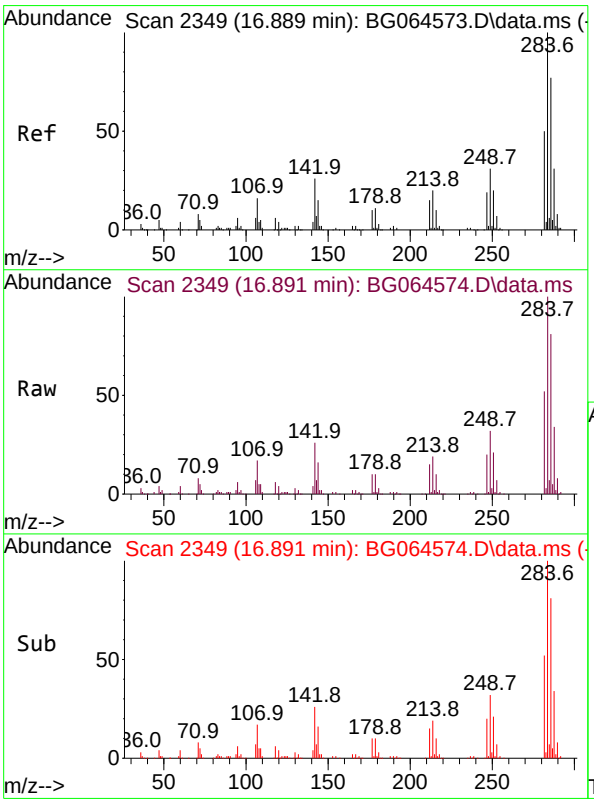
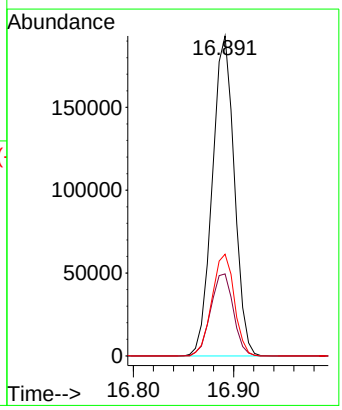


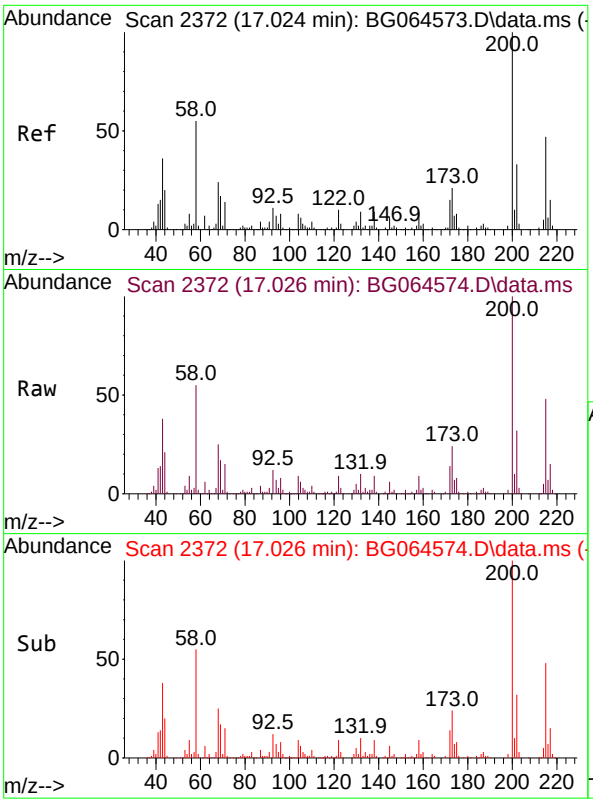


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:284 Resp: 293831

Ion	Ratio	Lower	Upper
284	100		
142	25.6	21.0	31.6
249	34.5	24.9	37.3

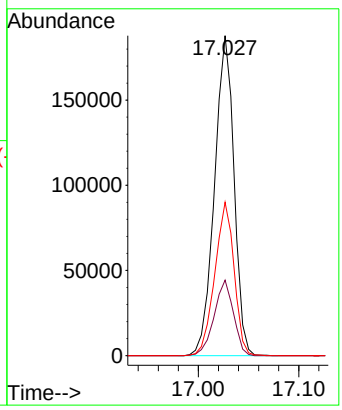




#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:200 Resp: 25407

Ion	Ratio	Lower	Upper
200	100		
173	23.6	0.9	40.9
215	47.9	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
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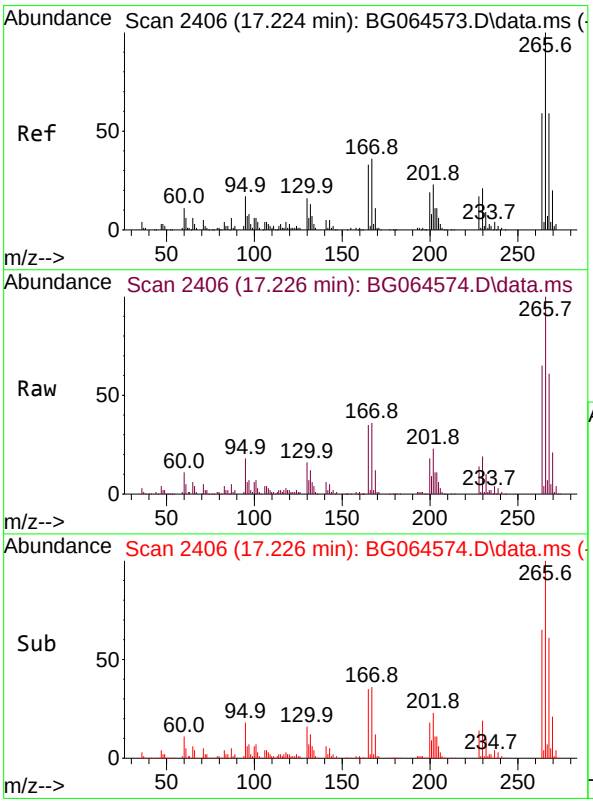
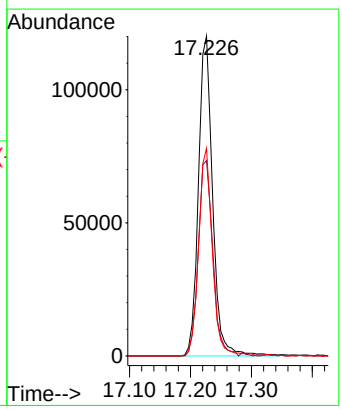
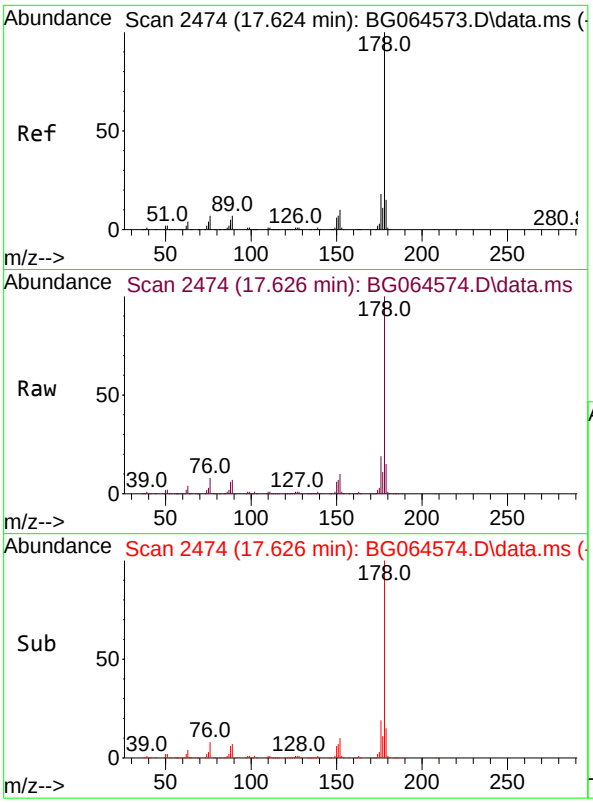


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:266 Resp: 193954

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.3	75.5
264	69.3	47.3	70.9

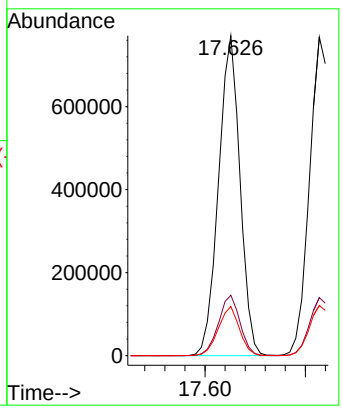




#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 114731

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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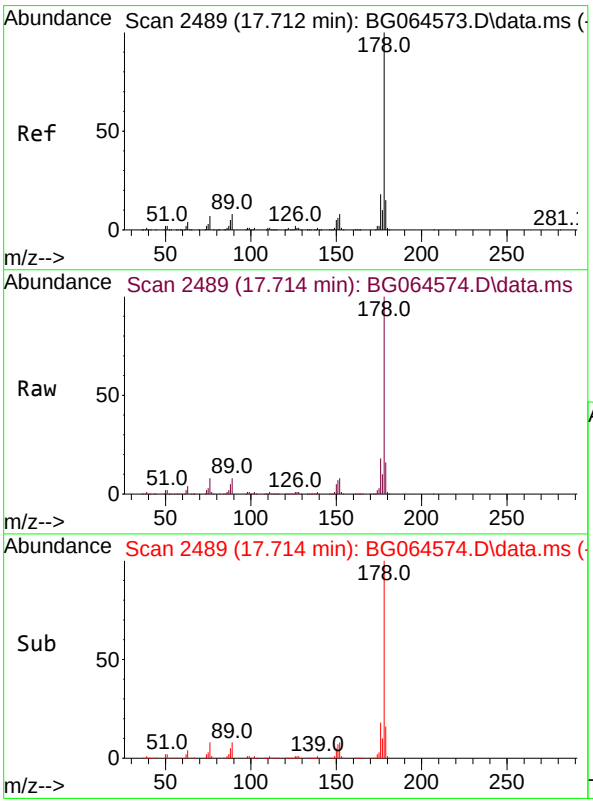
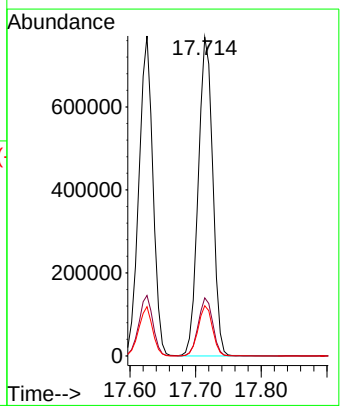
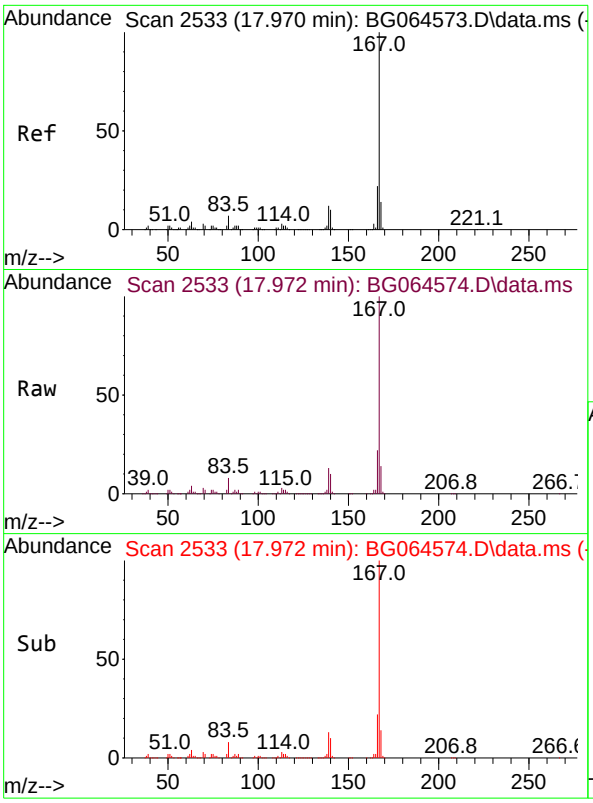


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 1171223

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.8	12.4	18.6

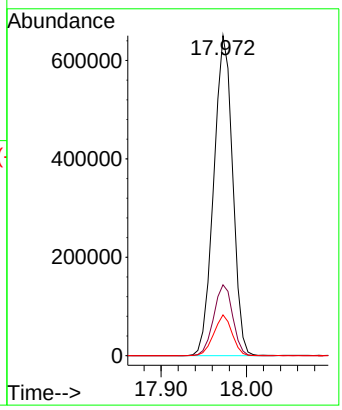




#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:167 Resp: 100068

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.7	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
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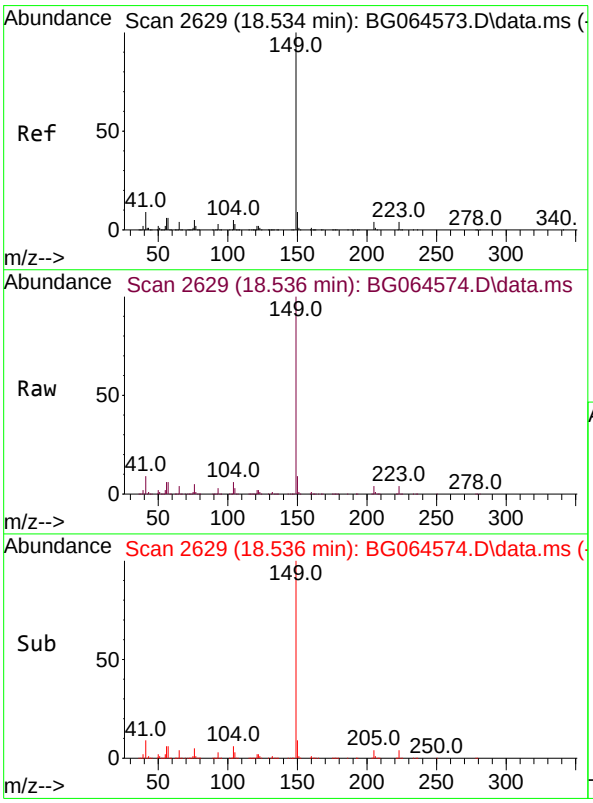
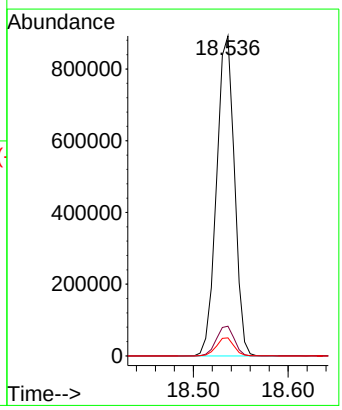
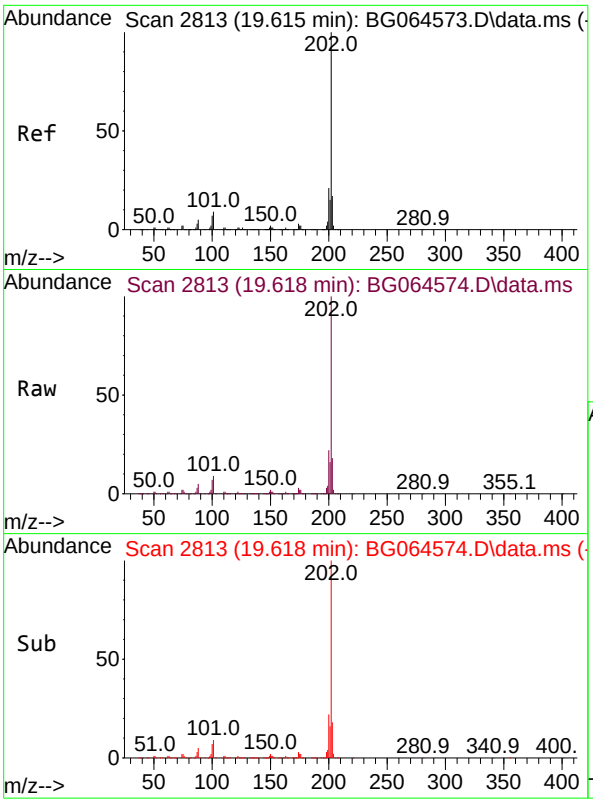


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 1165396

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.6	4.1	6.1

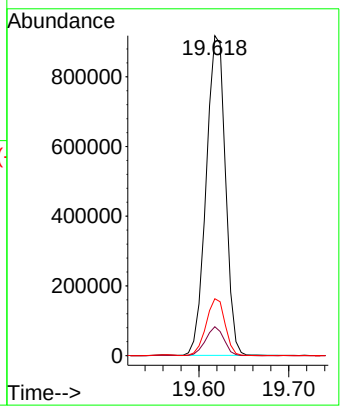




#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 136489

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
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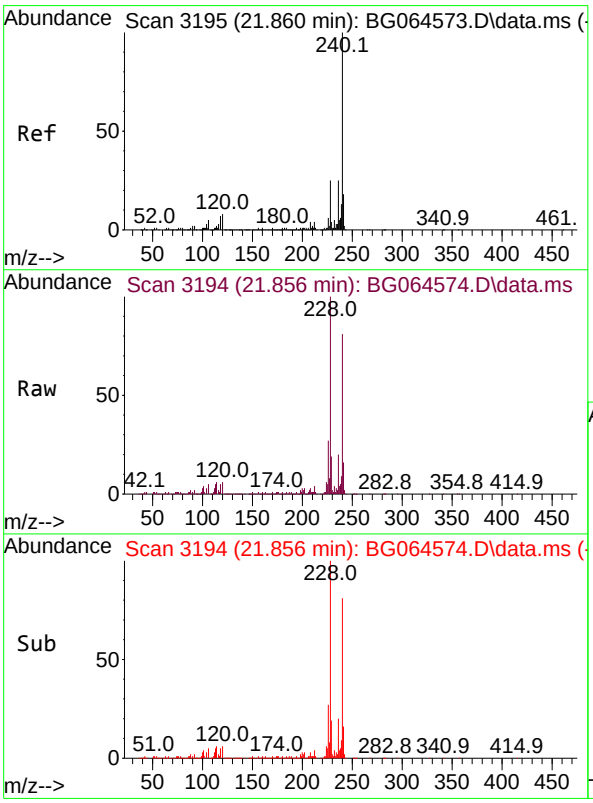
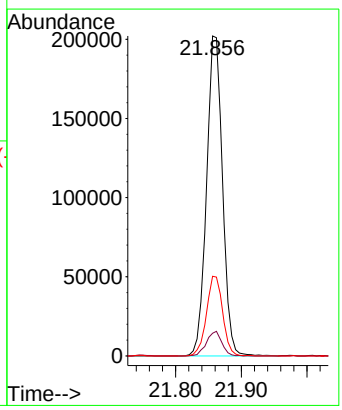
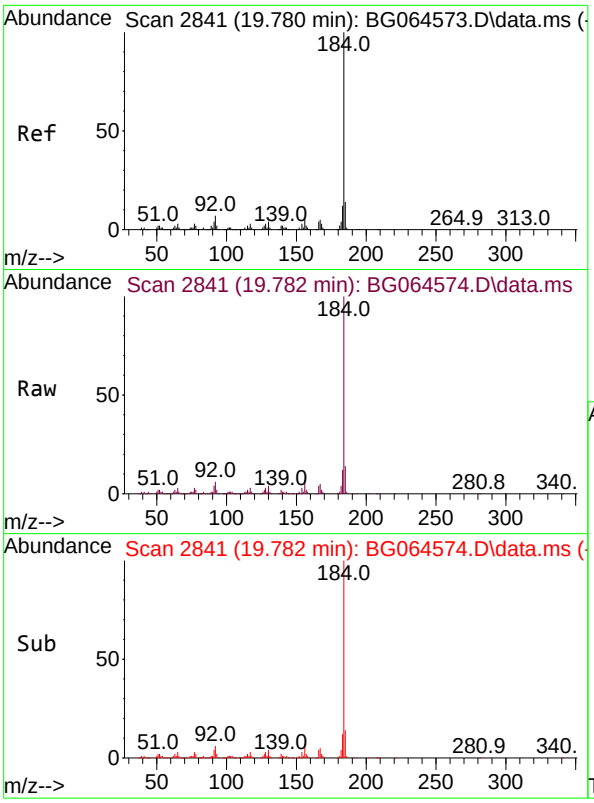


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:240 Resp: 340896

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	24.9	20.2	30.2

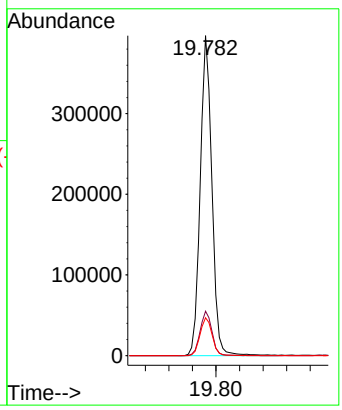




#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 544918

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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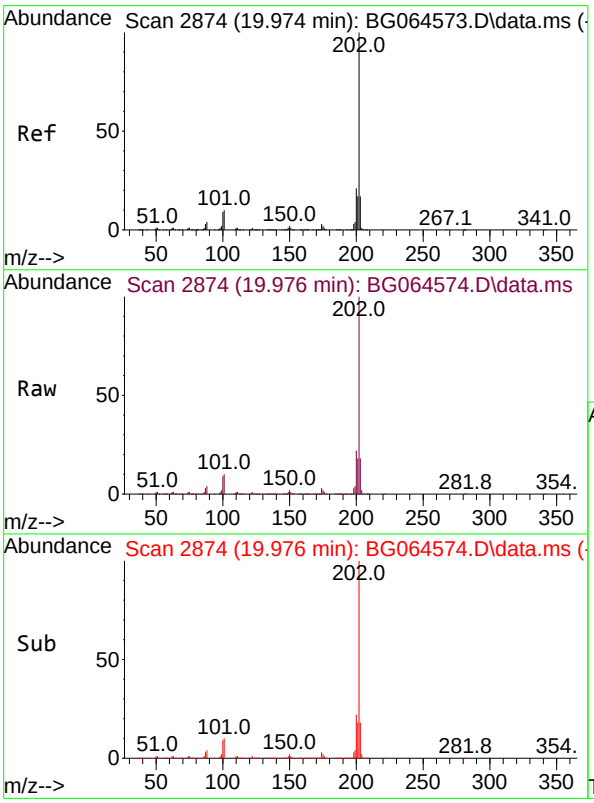
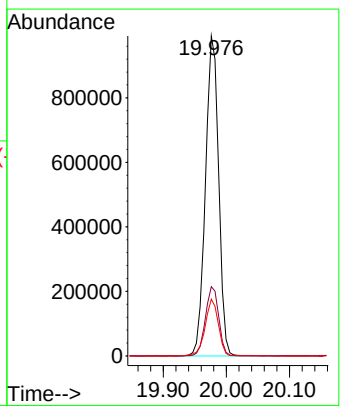
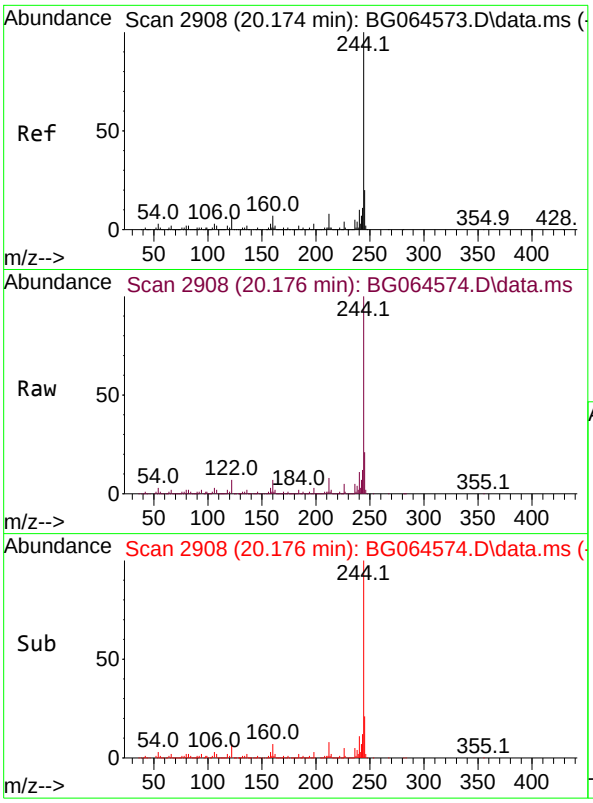


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 1437669

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.7	13.8	20.6

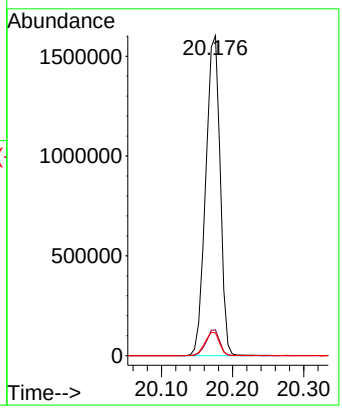




#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:244 Resp: 225370

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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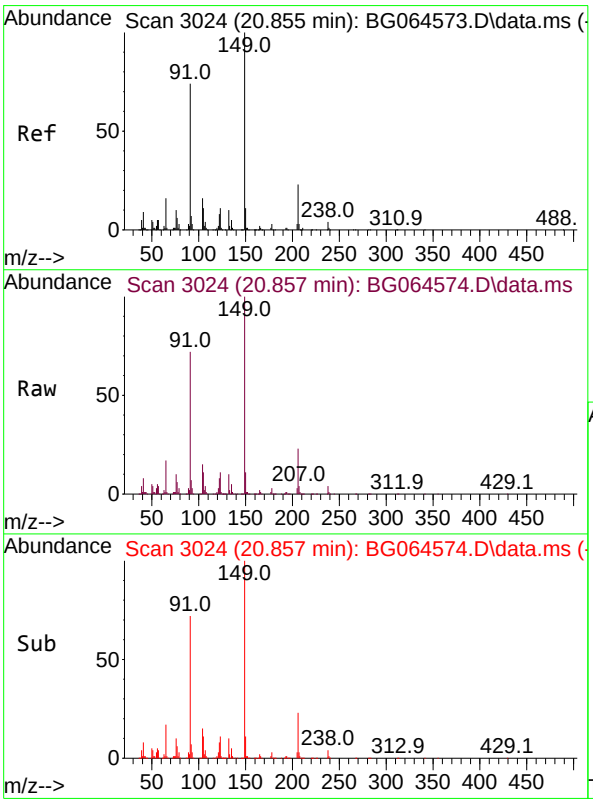
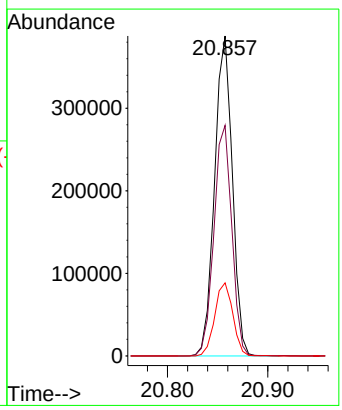
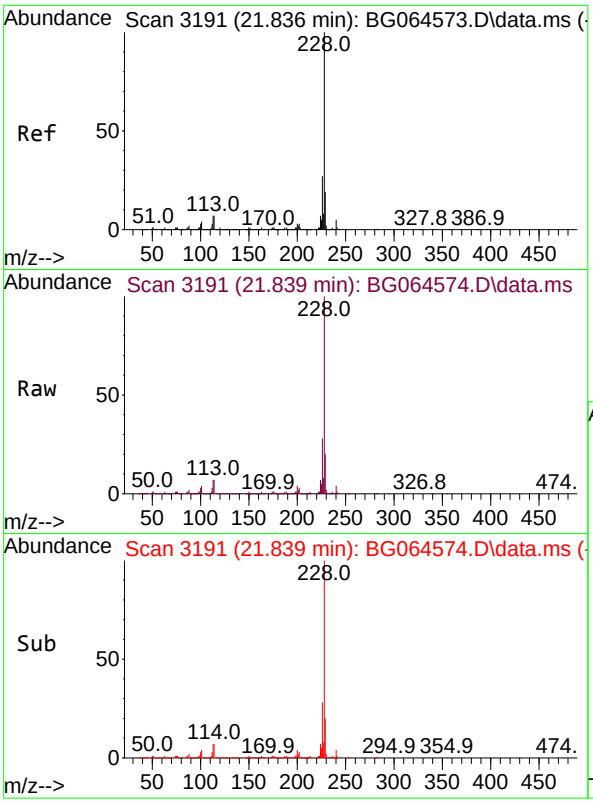


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 477358

Ion	Ratio	Lower	Upper
149	100		
91	72.0	59.2	88.8
206	22.8	18.1	27.1

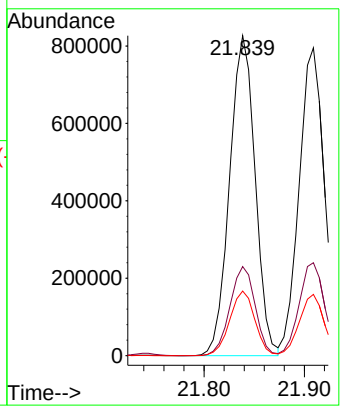




#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 146248

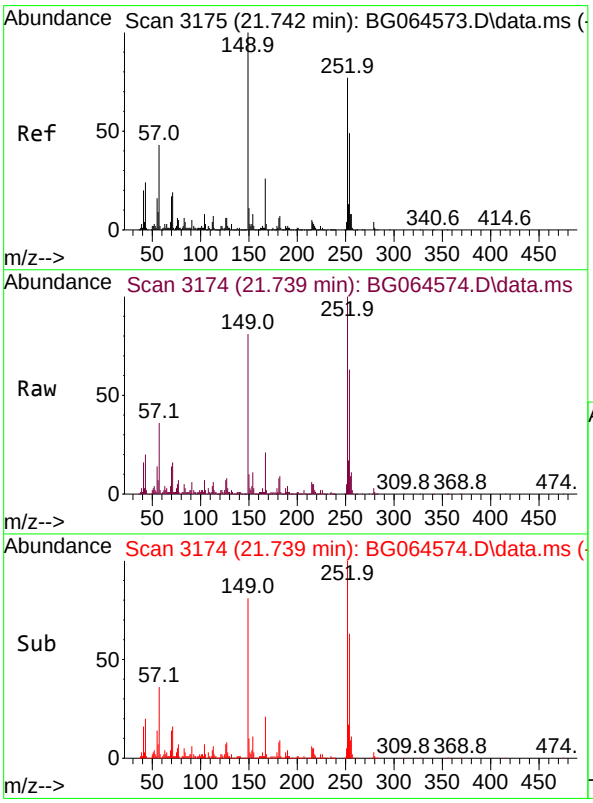
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

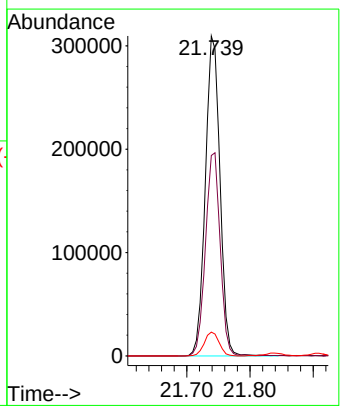
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

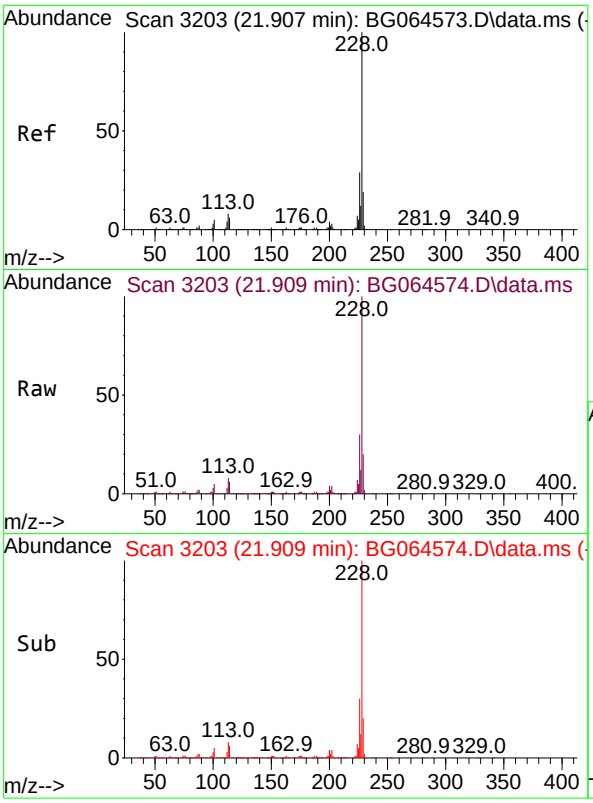


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 497174

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	7.4	5.8	8.6

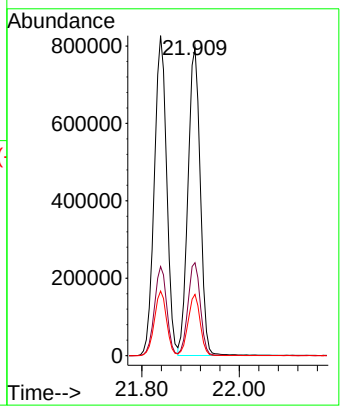




#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 138982

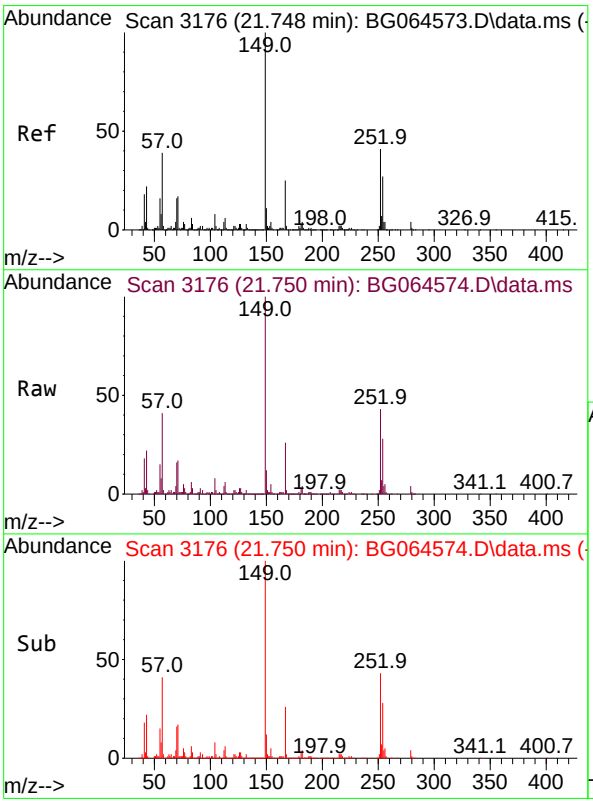
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

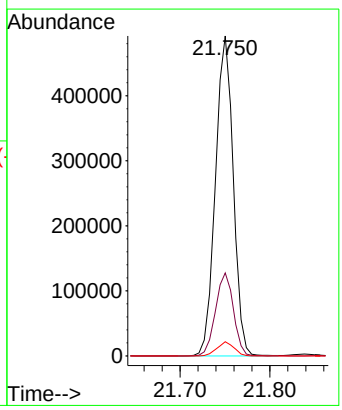
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

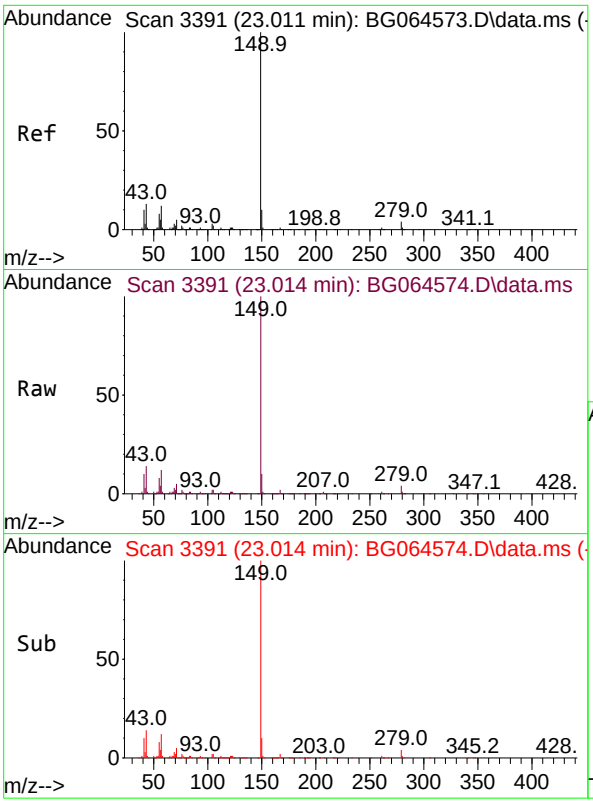


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 681649

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.0	30.0
279	4.4	3.1	4.7

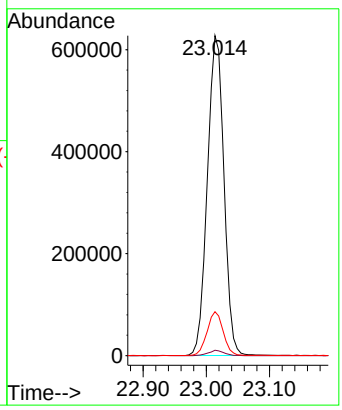




#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 114265

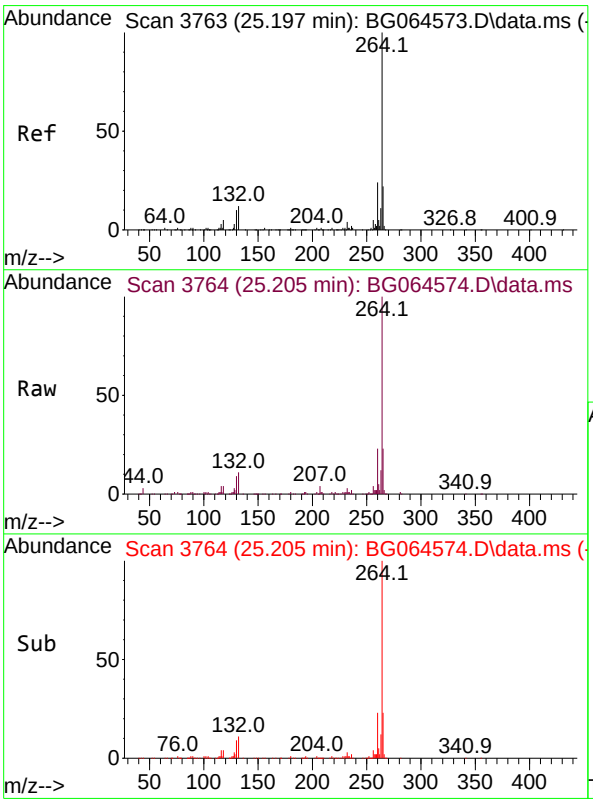
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

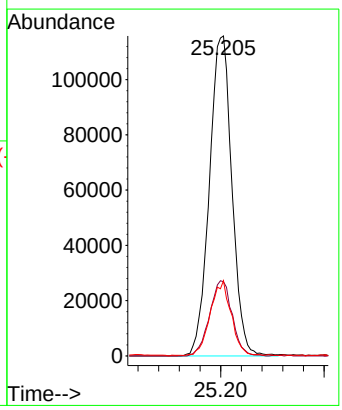
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

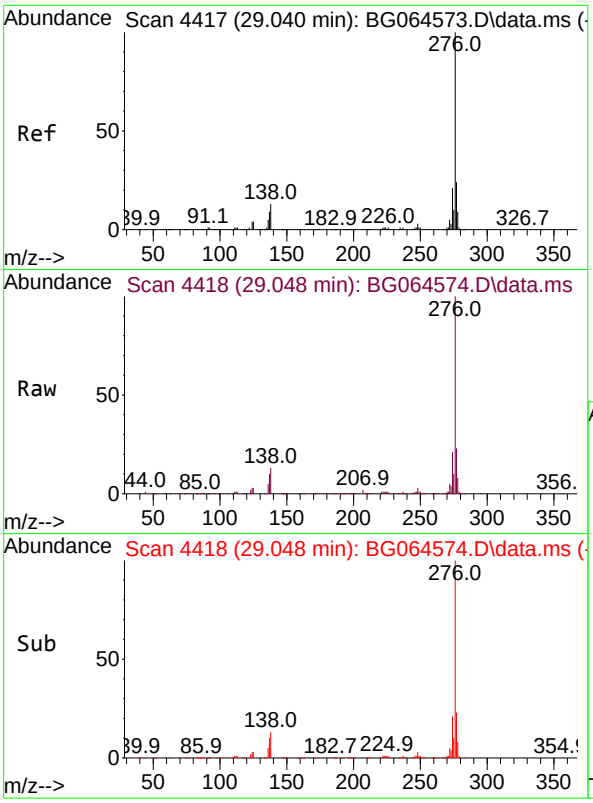


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:264 Resp: 350916

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	23.5	17.6	26.4

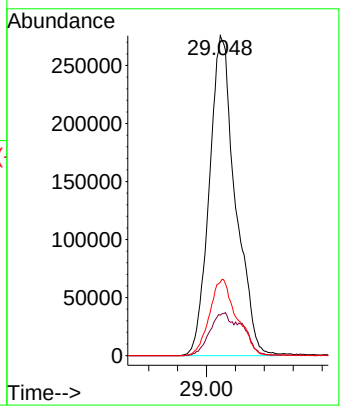




#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 172903

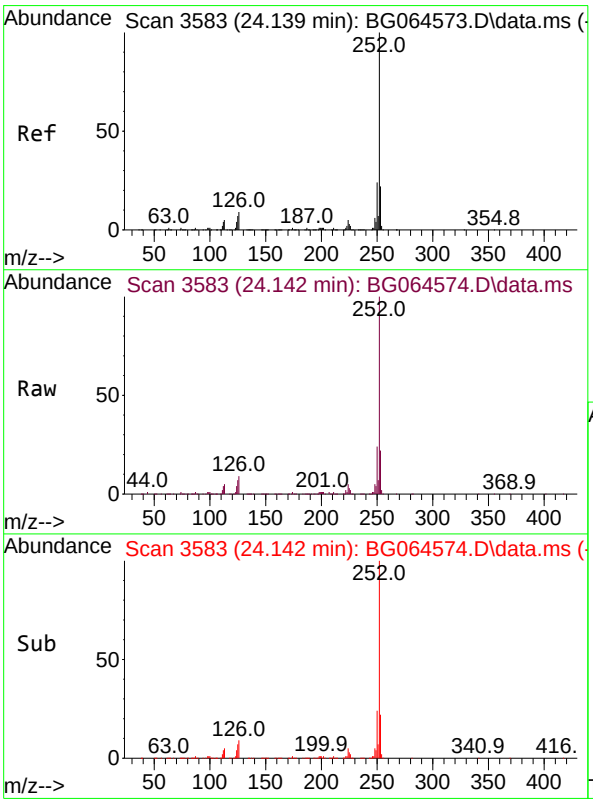
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

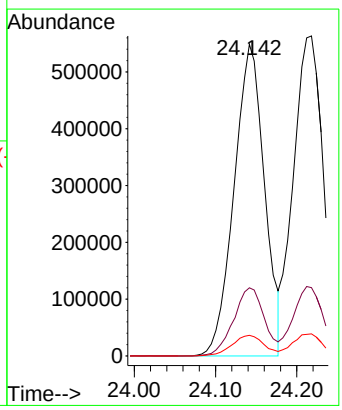
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

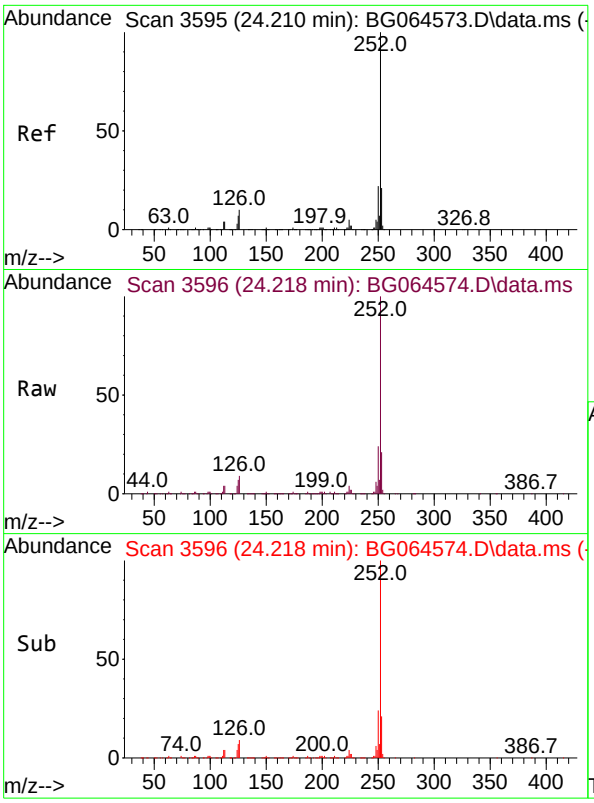


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1424640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.6	5.6	8.4

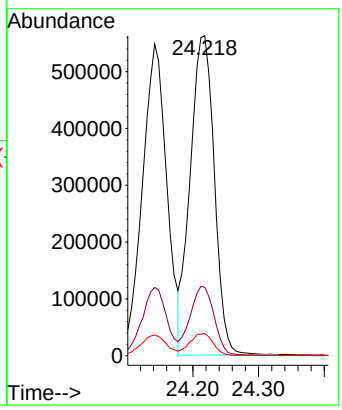




#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 143631

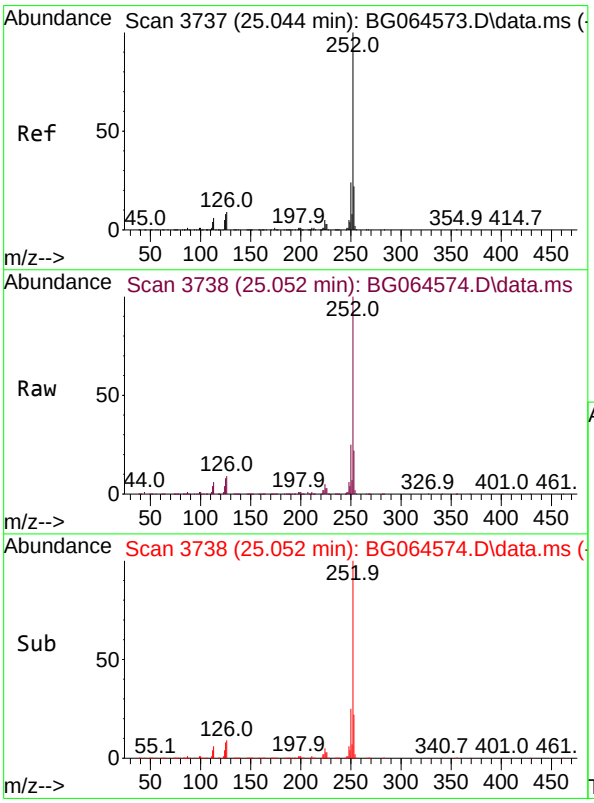
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

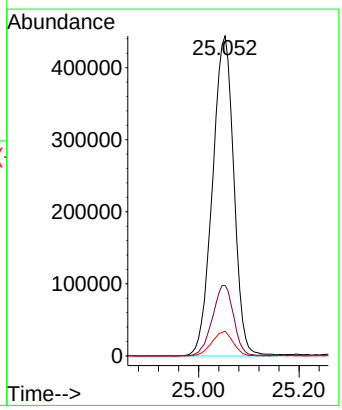
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

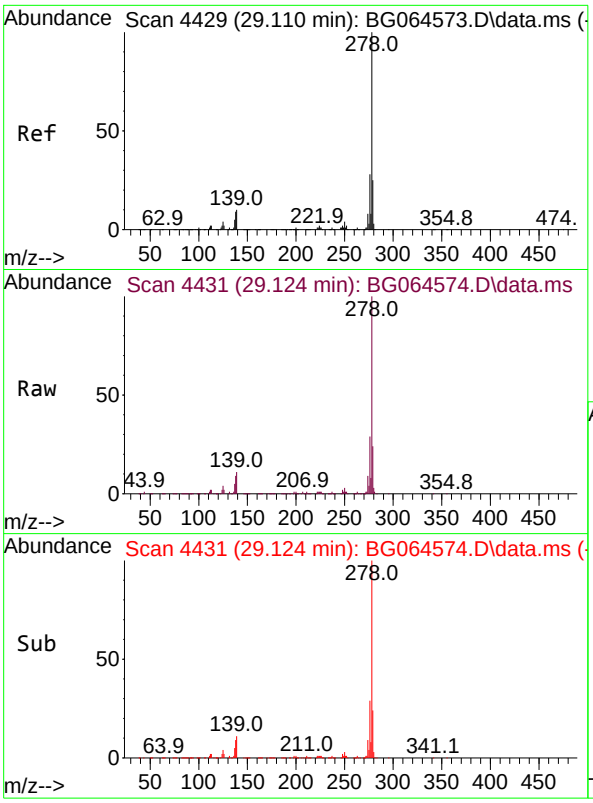


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1311701

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.7	6.1	9.1

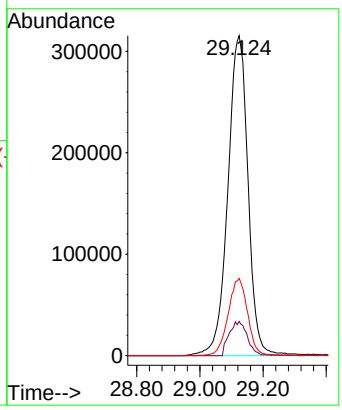




#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:278 Resp: 139423

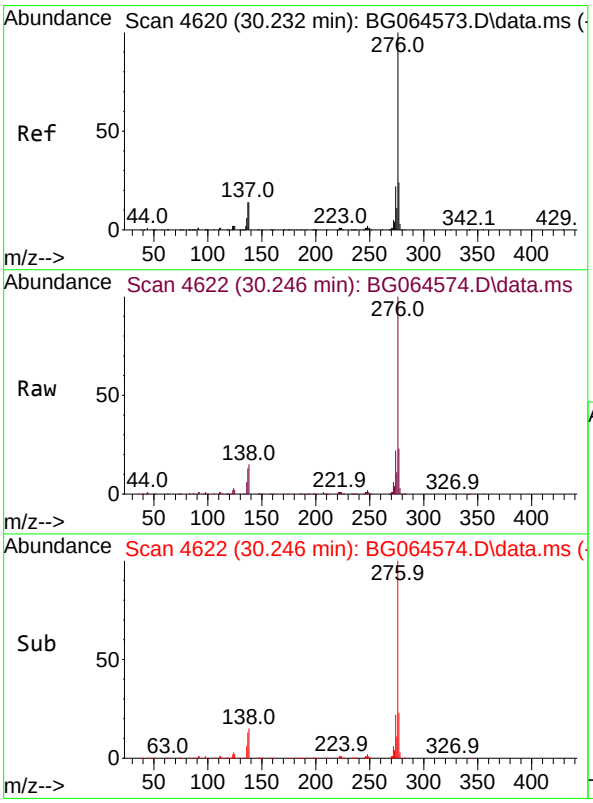
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

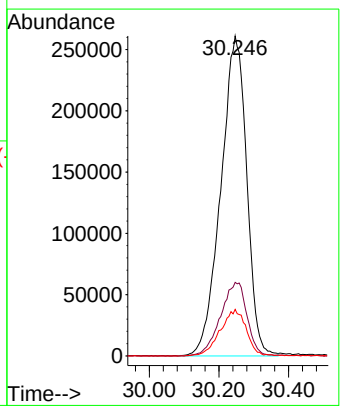
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 67.253 ng
RT: 30.246 min Scan# 4622
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1347382

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	14.5	11.3	16.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng		0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng		0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng		0.00
86) Perylene-d12	25.201	264	382372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	411587	151.948	ng		0.00
7) Phenol-d6	7.357	99	554287	149.124	ng		0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng		0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng		0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng		99
3) Pyridine	3.996	79	259519	72.062	ng		96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng		99
6) Aniline	7.533	93	364528	72.073	ng		99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng		99
9) Benzaldehyde	7.339	77	120456	59.361	ng		94
10) Phenol	7.386	94	307886	74.900	ng		98
11) bis(2-Chloroethyl)ether	7.627	93	217960	72.119	ng		96
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.502	ng		97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng		98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng		99
17) 2-Methylphenol	8.649	107	203667	74.625	ng		97
18) Hexachloroethane	9.325	117	87876	75.469	ng		98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng		99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng		98
22) Acetophenone	9.049	105	365265	74.412	ng	#	99
24) Nitrobenzene	9.431	77	273231	84.025	ng		97
25) Isophorone	9.966	82	539122	75.150	ng		100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng		94
27) 2,4-Dimethylphenol	10.195	122	208054	77.967	ng		97
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng		99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng		97
31) Naphthalene	11.100	128	744985	74.828	ng		99
32) Benzoic acid	10.342	122	169962m	77.917	ng		
33) 4-Chloroaniline	11.188	127	290611	75.100	ng		98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng		99
35) Caprolactam	11.975	113	83266	75.596	ng		93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng		99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng		99
38) 1-Methylnaphthalene	12.909	142	527717	72.945	ng		98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng		99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng		99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng		99
46)	1,1'-Biphenyl	13.685	154	713186	74.977	ng		100
47)	2-Chloronaphthalene	13.732	162	547242	76.218	ng		99
48)	2-Nitroaniline	13.914	65	196580	79.301	ng		95
49)	Acenaphthylene	14.566	152	858511	75.806	ng		99
50)	Dimethylphthalate	14.290	163	782708	76.450	ng		98
51)	2,6-Dinitrotoluene	14.402	165	135769	78.216	ng		98
52)	Acenaphthene	14.913	154	589213	76.150	ng		99
53)	3-Nitroaniline	14.731	138	159072	90.409	ng		96
54)	2,4-Dinitrophenol	14.930	184	82655	79.755	ng	#	65
55)	Dibenzofuran	15.242	168	923386	73.816	ng		99
56)	4-Nitrophenol	15.018	139	142966	87.640	ng		98
57)	2,4-Dinitrotoluene	15.189	165	212164	79.117	ng		96
58)	Fluorene	15.888	166	711212	72.801	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng		99
60)	Diethylphthalate	15.653	149	803621	76.874	ng		100
61)	4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng		99
62)	4-Nitroaniline	15.894	138	173159	88.462	ng		96
63)	Azobenzene	16.170	77	723988	75.482	ng		99
65)	4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng		95
66)	n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng		98
67)	4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng		99
68)	Hexachlorobenzene	16.893	284	341338	75.724	ng		96
69)	Atrazine	17.028	200	281950	72.745	ng		97
70)	Pentachlorophenol	17.228	266	235472	83.771	ng		93
71)	Phenanthrene	17.627	178	1340610	73.525	ng		99
72)	Anthracene	17.715	178	1367044	73.704	ng		99
73)	Carbazole	17.974	167	1195960	73.122	ng		99
74)	Di-n-butylphthalate	18.538	149	1433446	75.790	ng		100
75)	Fluoranthene	19.619	202	1663673	72.835	ng		98
77)	Benzidine	19.783	184	556525	68.376	ng		98
78)	Pyrene	19.977	202	1737788	73.215	ng		99
80)	Butylbenzylphthalate	20.859	149	595333	82.988	ng		98
81)	Benzo(a)anthracene	21.840	228	1805628	74.959	ng		99
82)	3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng		99
83)	Chrysene	21.910	228	1704533	74.368	ng		97
84)	Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng		98
85)	Di-n-octyl phthalate	23.015	149	1432956	79.289	ng		100
87)	Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng		98
88)	Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng		99
89)	Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng		98
90)	Benzo(a)pyrene	25.060	252	1649779	76.546	ng		99
91)	Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng		98
92)	Benzo(g,h,i)perylene	30.265	276	1669976	76.498	ng		99

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

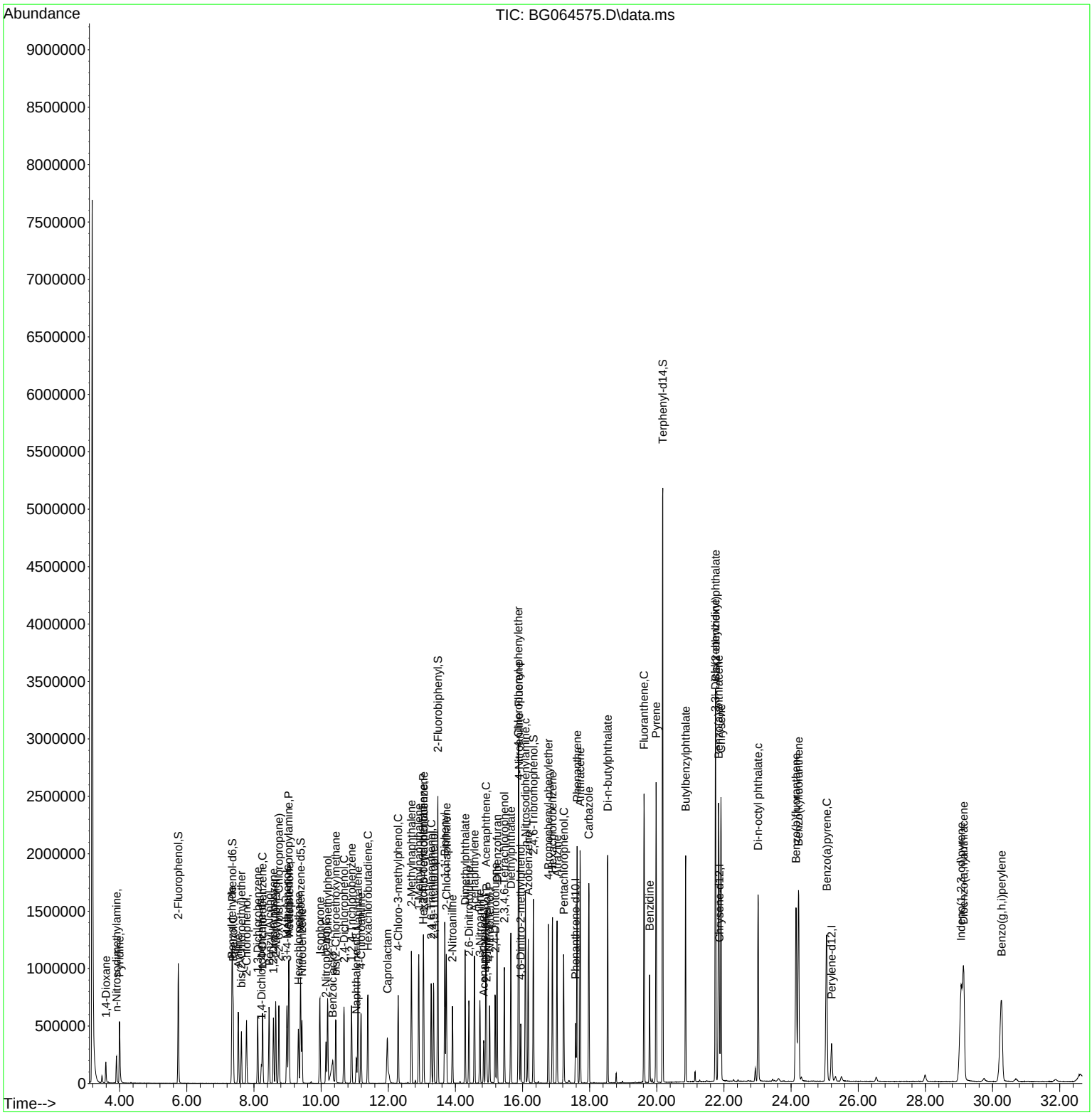
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

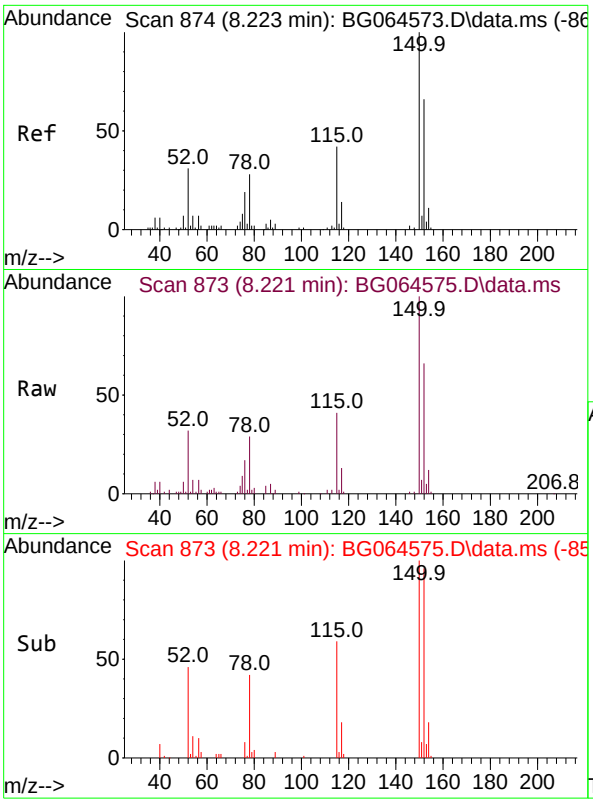
Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

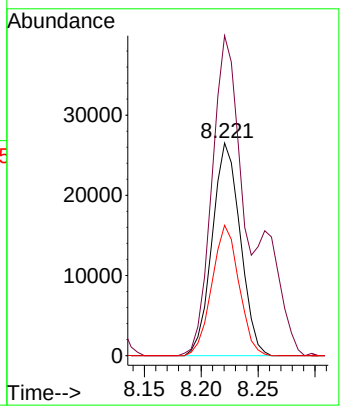




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 4546

Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.4
115	61.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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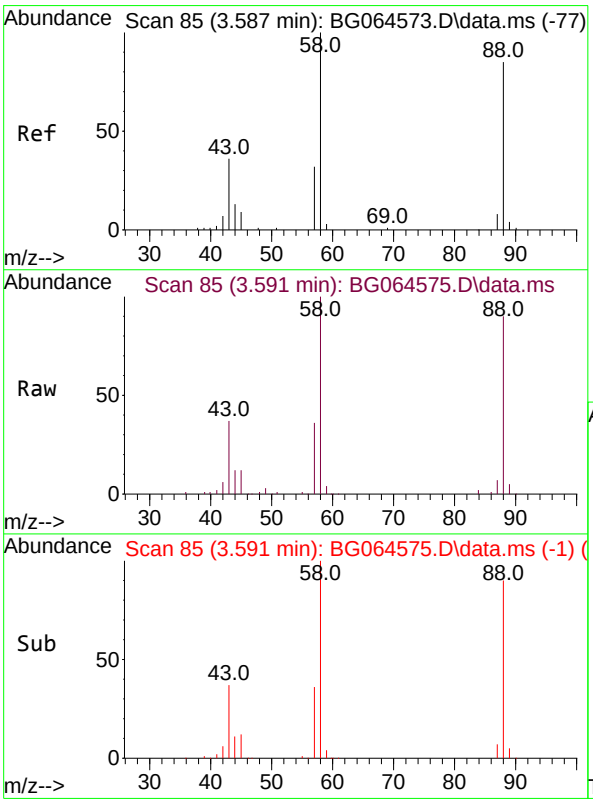
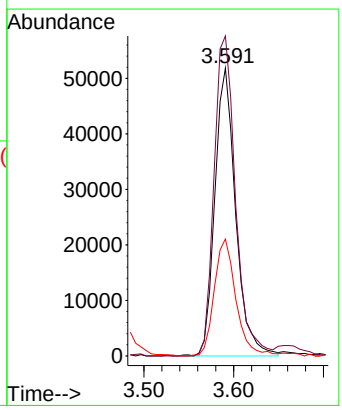
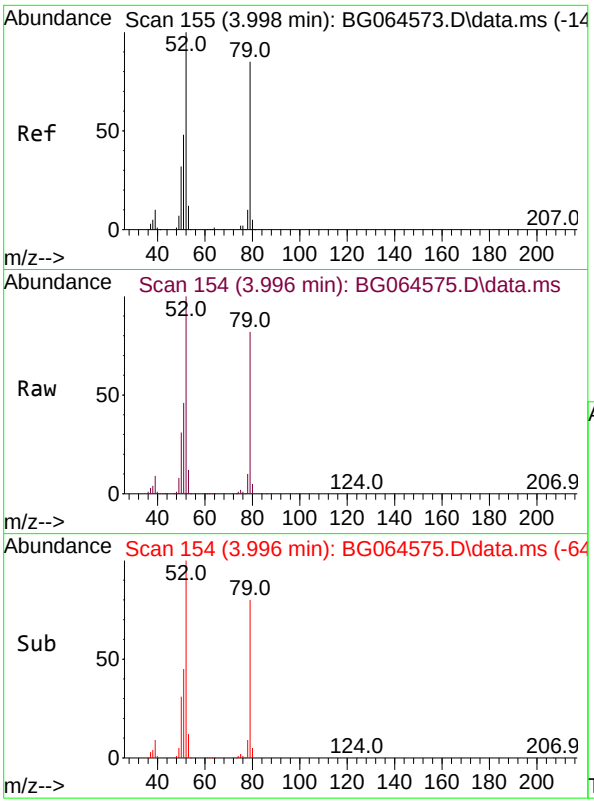


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 88 Resp: 83655

Ion	Ratio	Lower	Upper
88	100		
58	114.3	92.4	138.6
43	42.2	33.0	49.6

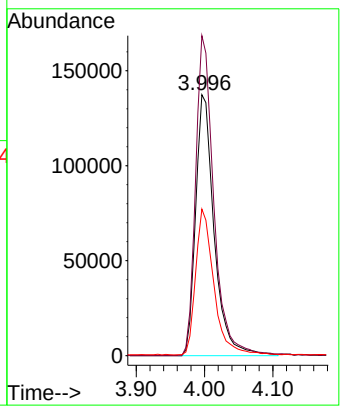




#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 25951

Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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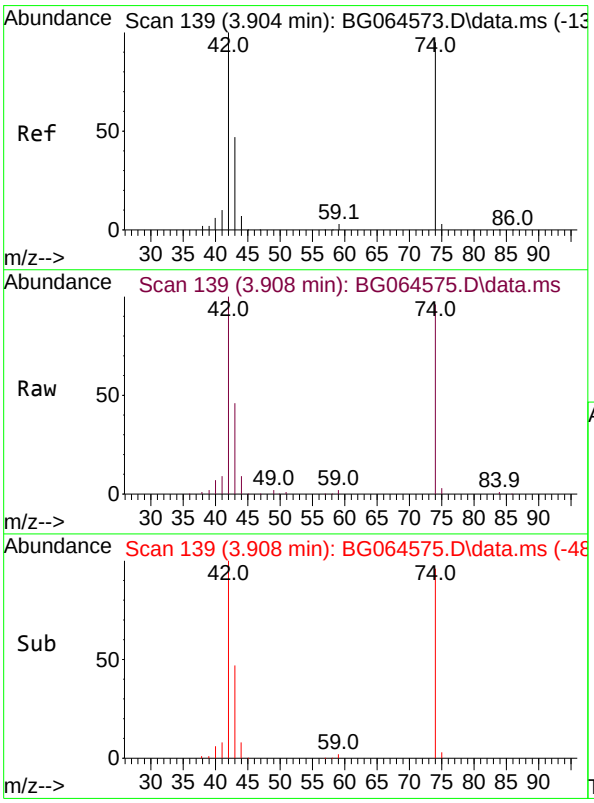
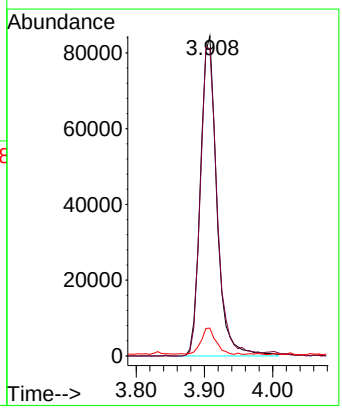
Supervised By :mohammad ahmed 11/05/2025

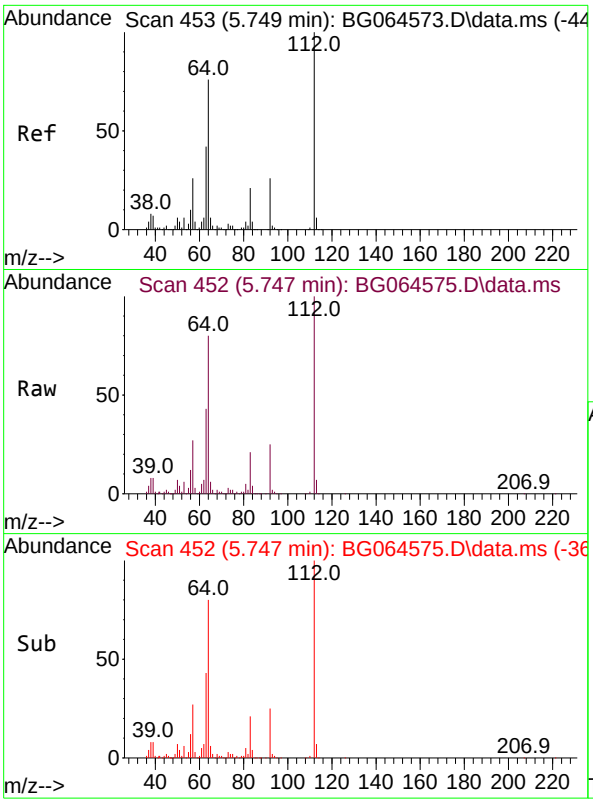


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 42 Resp: 141185

Ion	Ratio	Lower	Upper
42	100		
74	96.0	76.1	114.1
44	8.7	6.3	9.5

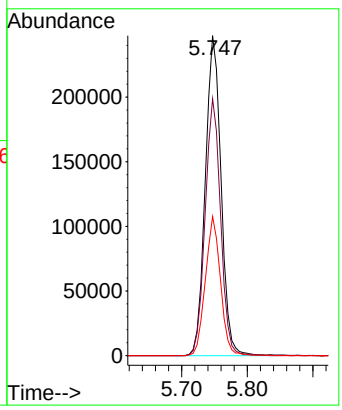




#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:112 Resp: 41158

Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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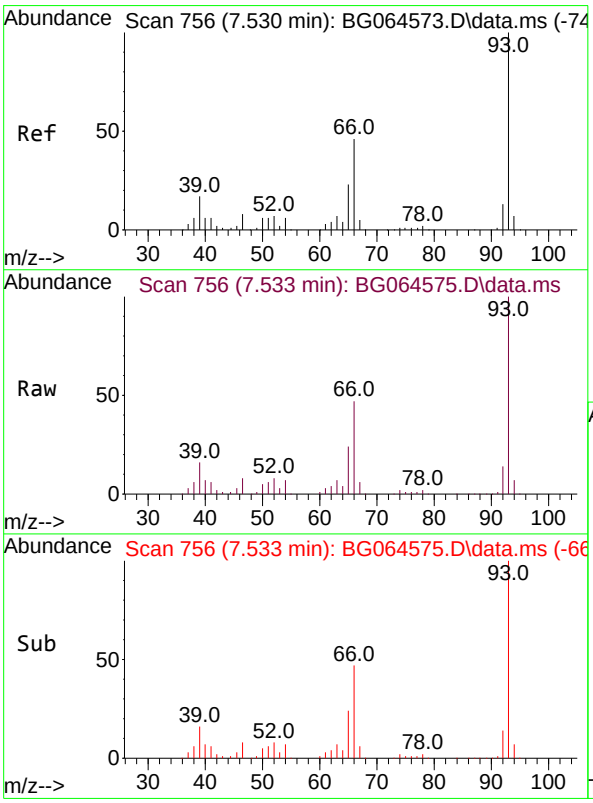
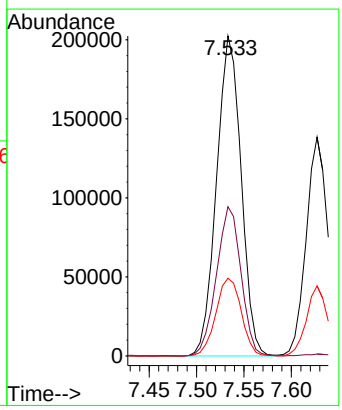
Supervised By :mohammad ahmed 11/05/2025

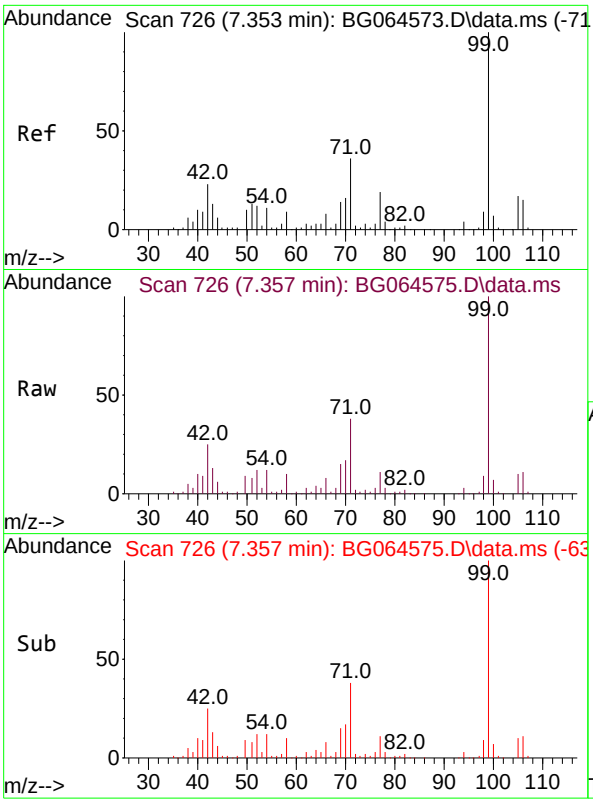


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 364528

Ion	Ratio	Lower	Upper
93	100		
66	46.6	37.0	55.6
65	24.3	18.3	27.5

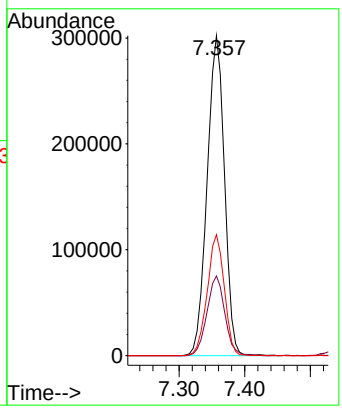




#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 99 Resp: 55428

Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.3	27.5
71	37.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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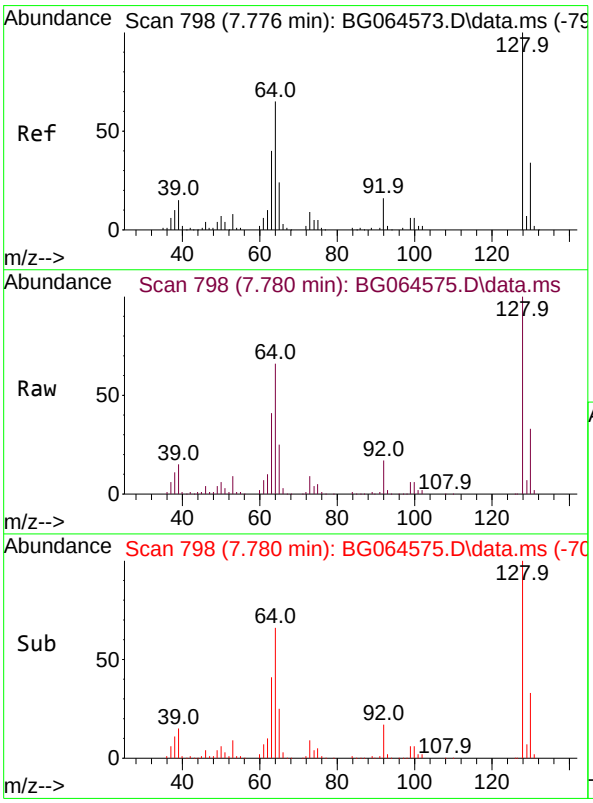
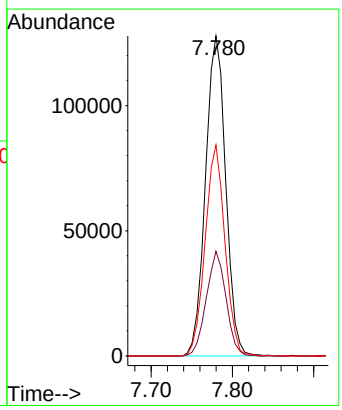
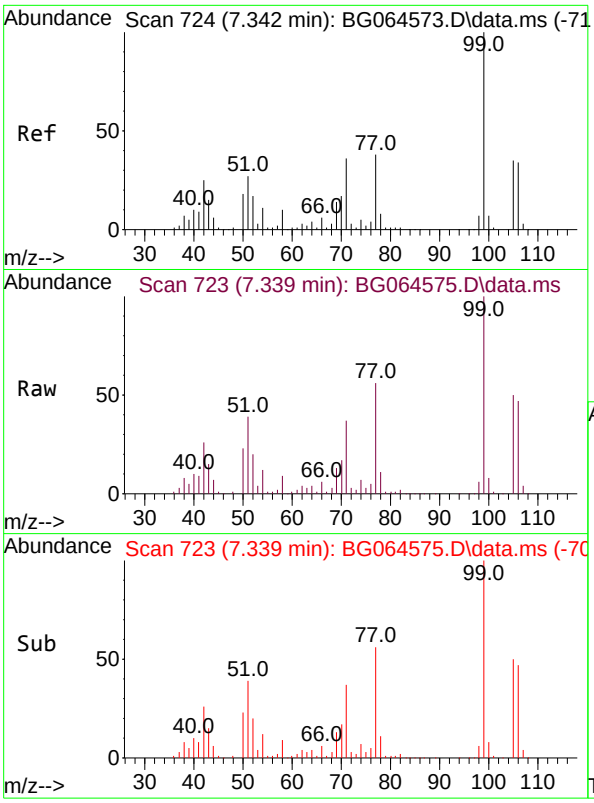


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 221112

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.5	53.5
64	65.9	45.2	85.2

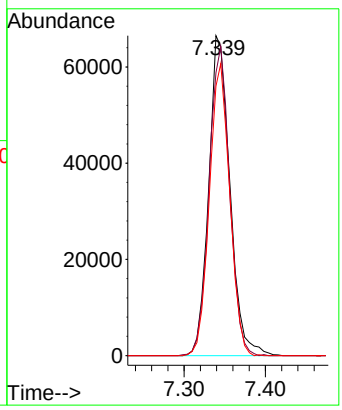




#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 12045

Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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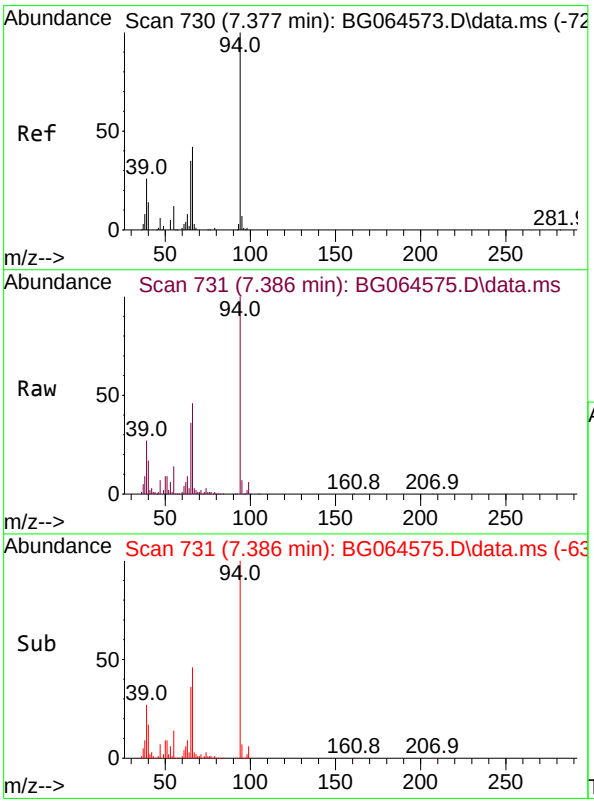
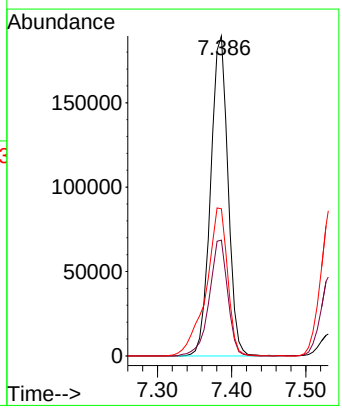
Supervised By :mohammad ahmed 11/05/2025

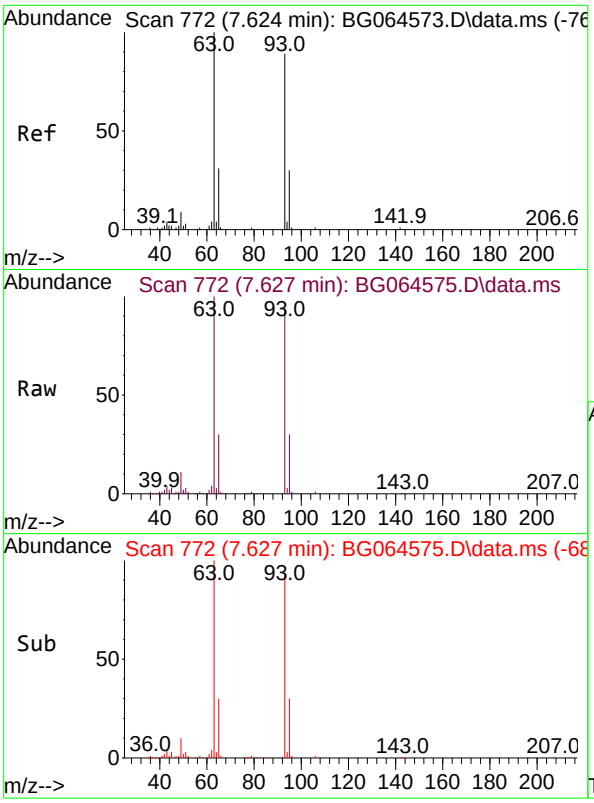


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 94 Resp: 307886

Ion	Ratio	Lower	Upper
94	100		
65	36.2	15.8	55.8
66	46.0	24.0	64.0

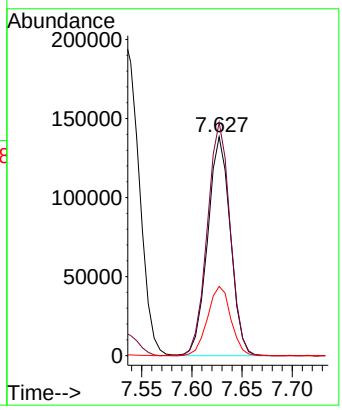




#11
bis(2-Chloroethyl)ether
Concen: 72.119 ng
RT: 7.627 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 21796

Ion	Ratio	Lower	Upper
93	100		
63	106.7	91.3	131.3
95	31.7	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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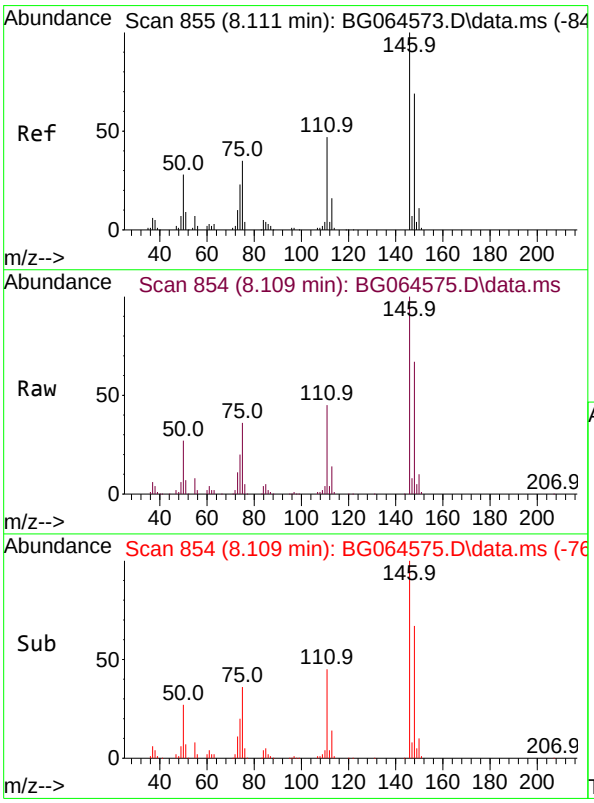
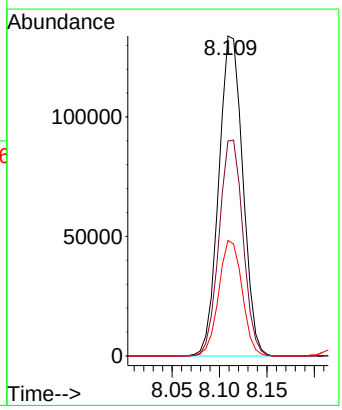
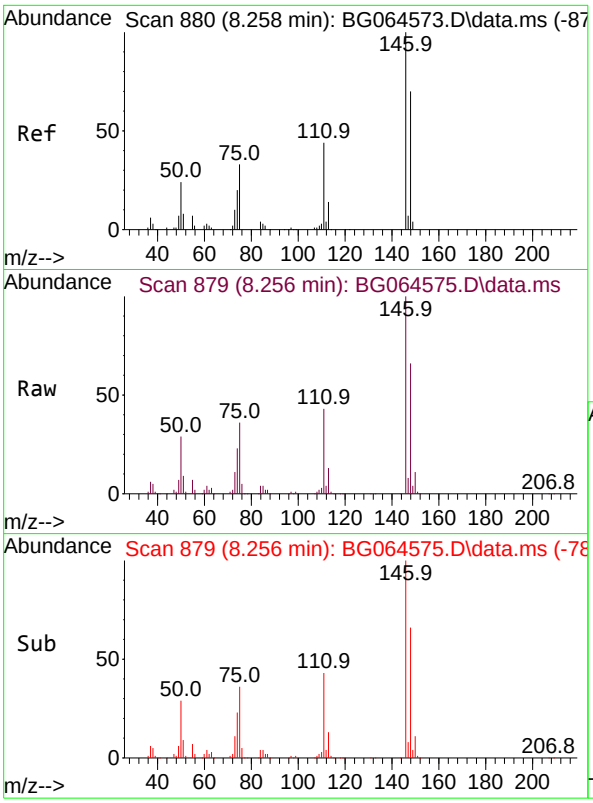


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 236208

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	36.1	28.2	42.2

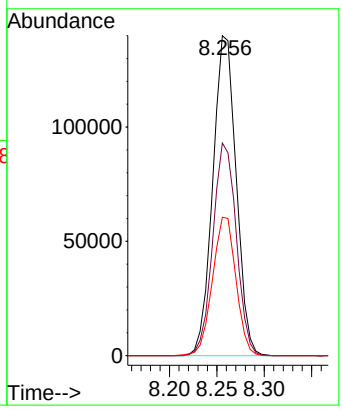




#13
1,4-Dichlorobenzene
Concen: 72.502 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 24057

Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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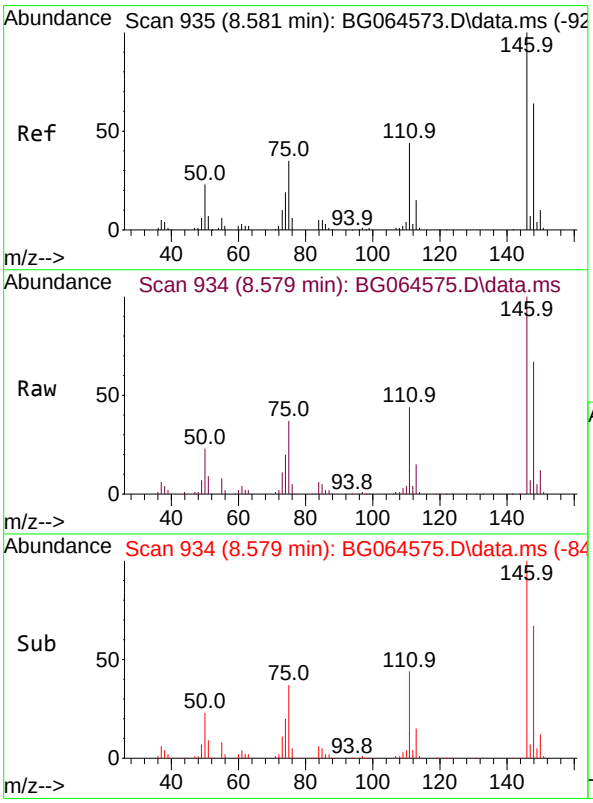
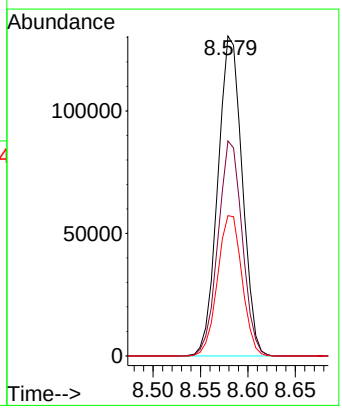
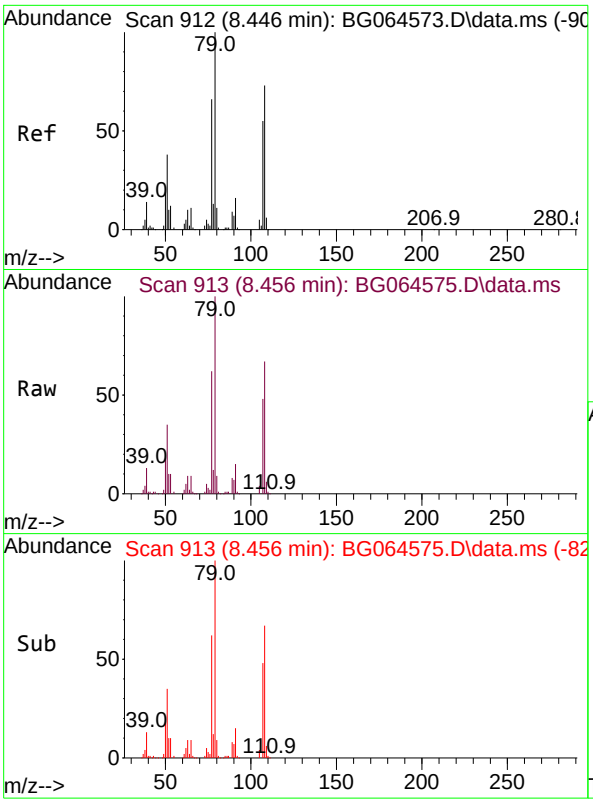


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 233326

Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.5	77.3
111	43.8	35.0	52.6

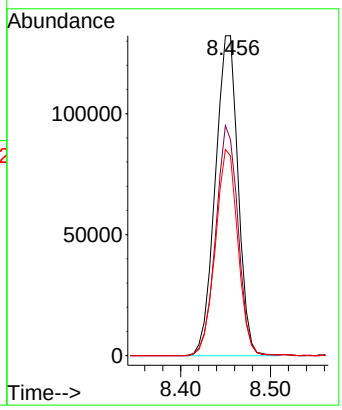




#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 23337

Ion	Ratio	Lower	Upper
79	100		
108	67.5	58.1	87.1
77	62.4	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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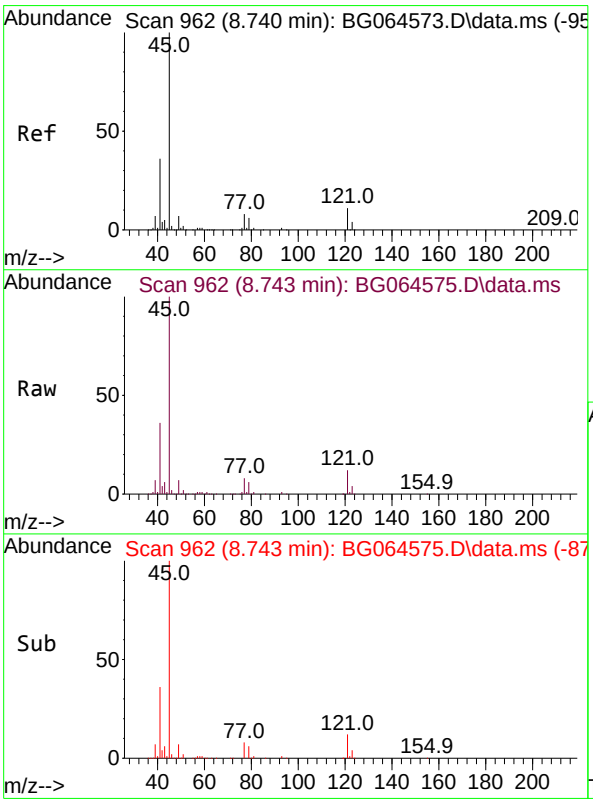
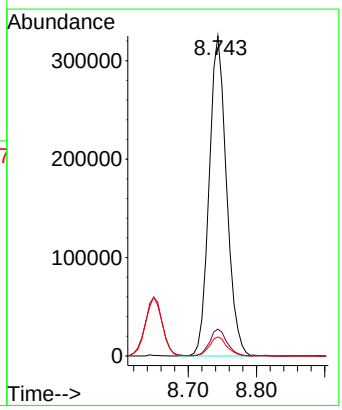
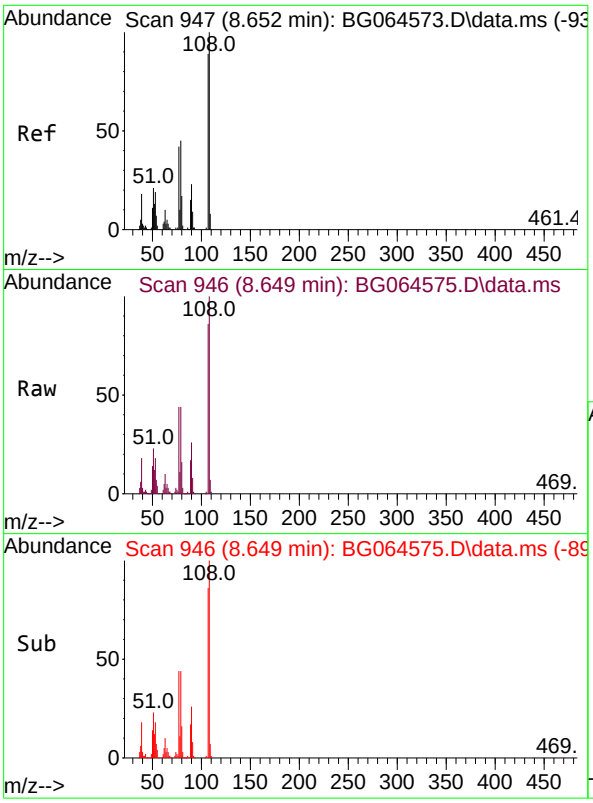


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 45 Resp: 573671

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	28.5
79	5.9	0.0	25.6

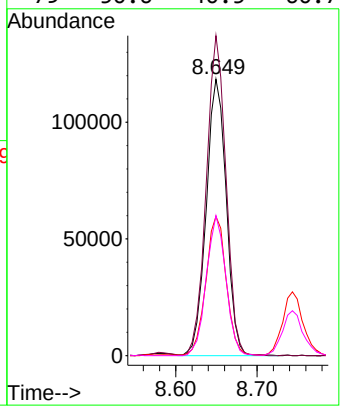




#17
2-Methylphenol
Concen: 74.625 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 20366

Ion	Ratio	Lower	Upper
107	100		
108	115.8	90.0	135.0
77	50.4	37.8	56.8
79	50.6	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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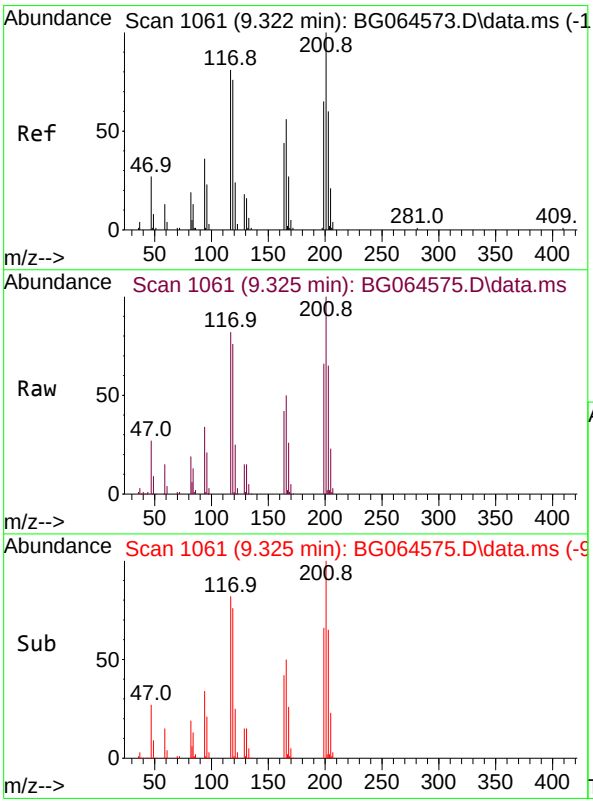
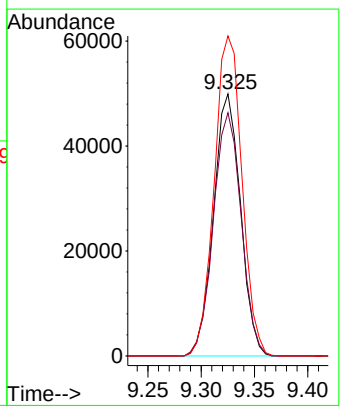
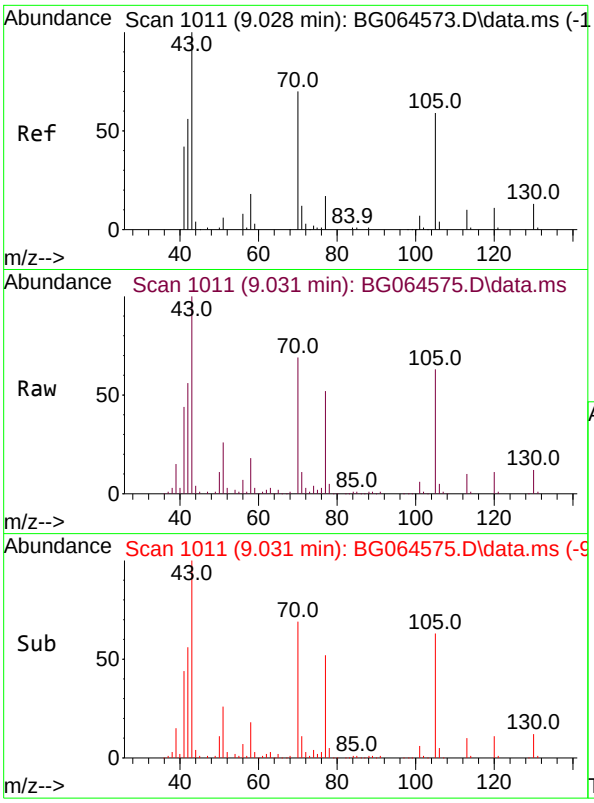


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:117 Resp: 87876

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.4	113.2
201	122.1	99.2	148.8

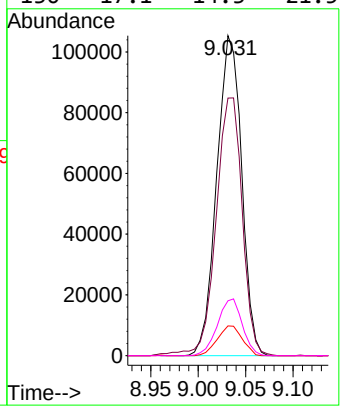




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 70 Resp: 19215

Ion	Ratio	Lower	Upper
70	100		
42	80.5	65.2	97.8
101	9.3	7.9	11.9
130	17.1	14.3	21.5



Instrument :
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ClientSampleId :
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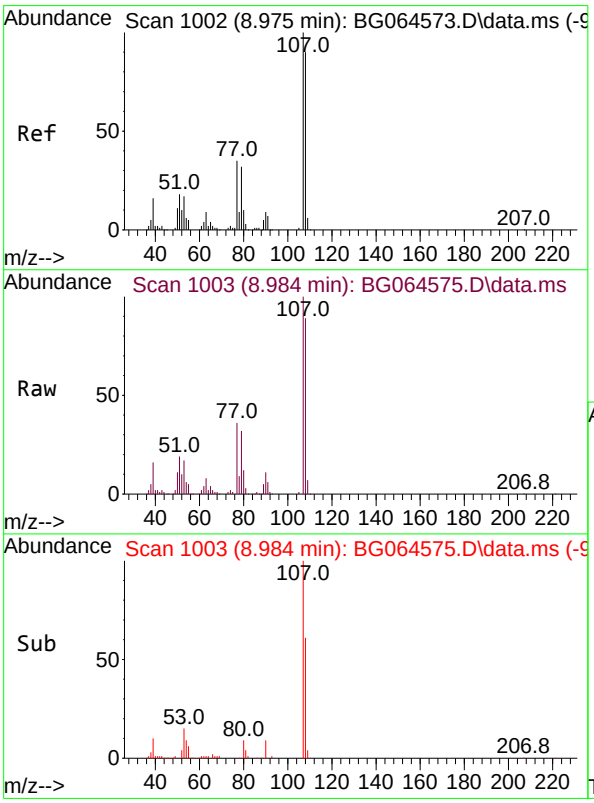
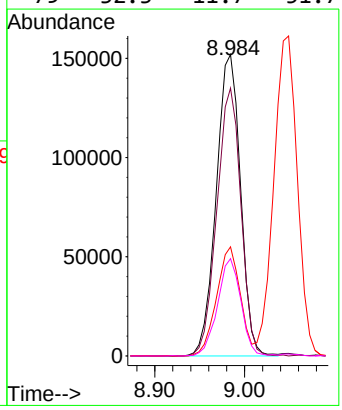
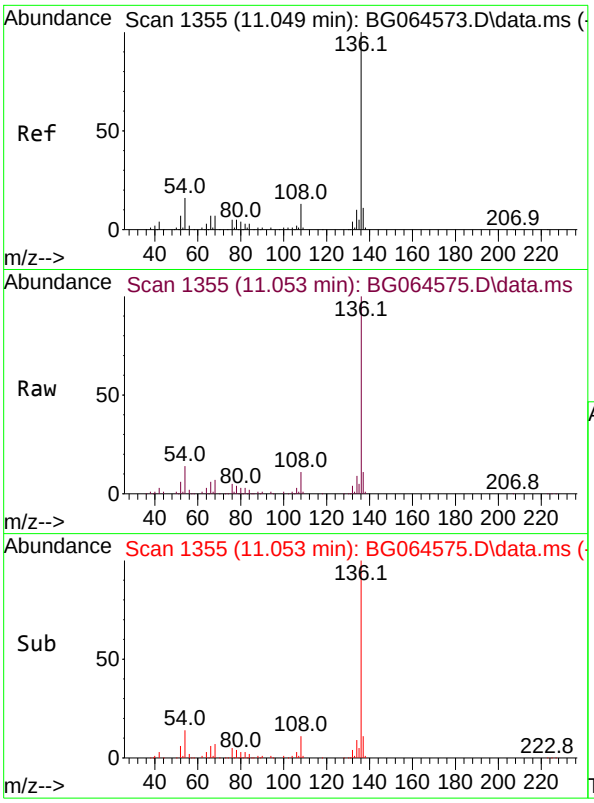


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.3	110.3
77	36.2	14.6	54.6
79	32.3	11.7	51.7

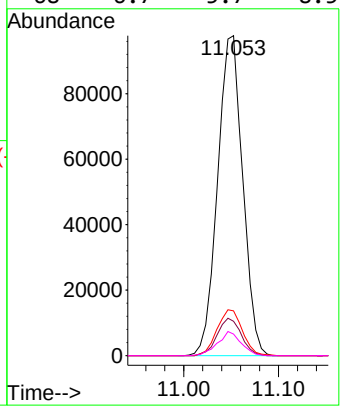




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:136 Resp: 179569

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
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ClientSampleId :
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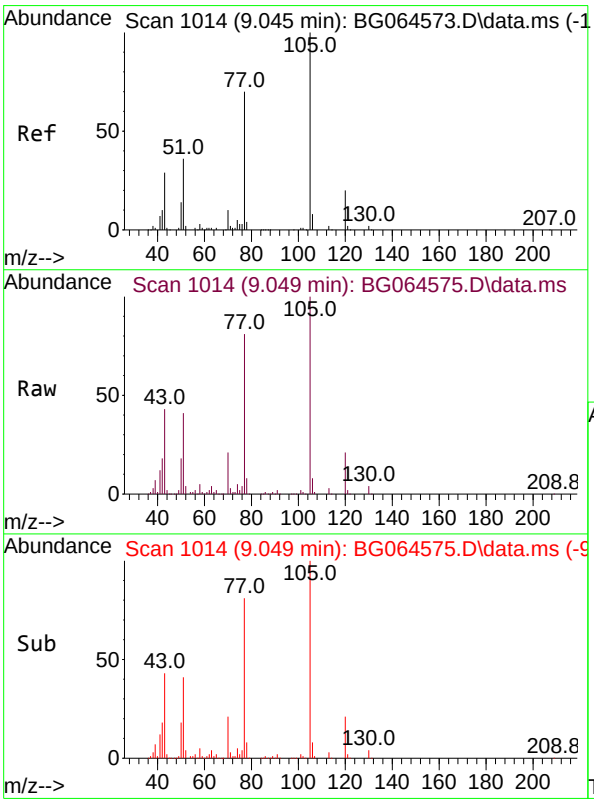
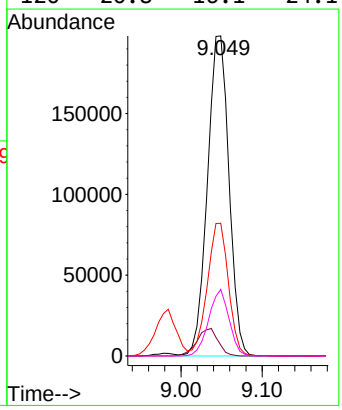
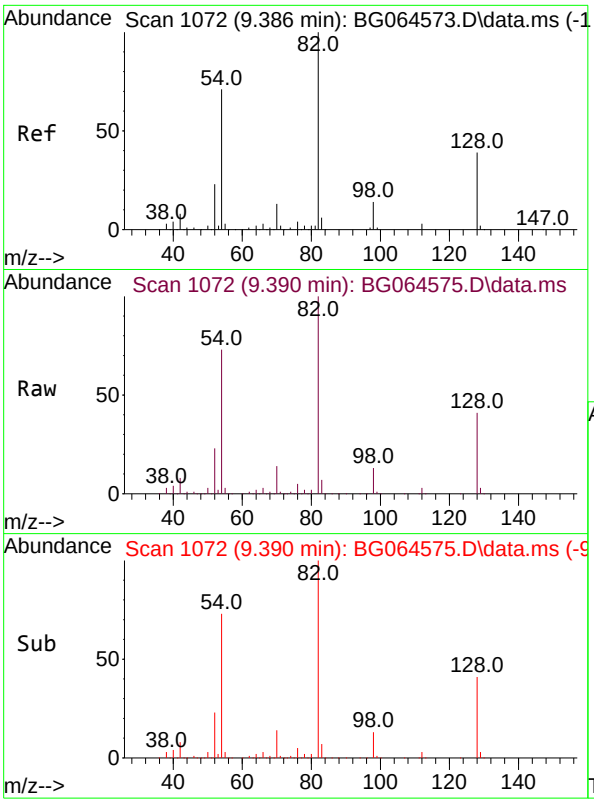


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:105 Resp: 365265

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.5	2.3#
51	41.4	33.7	50.5
120	20.8	16.1	24.1

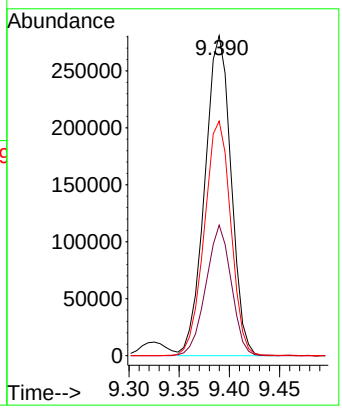




#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 511341

Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	73.3	56.6	84.8



Instrument :
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ClientSampleId :
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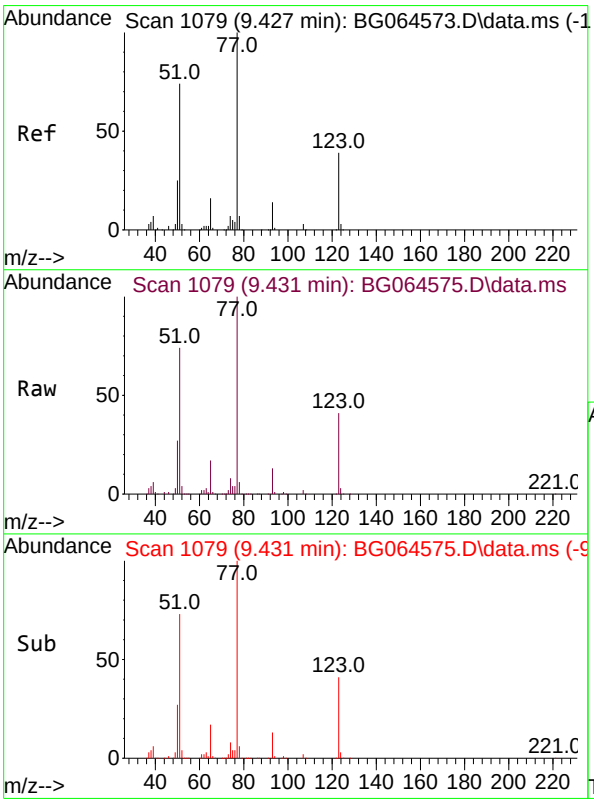
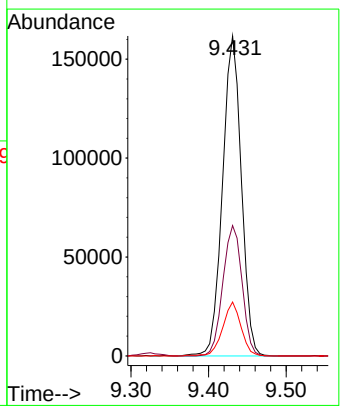
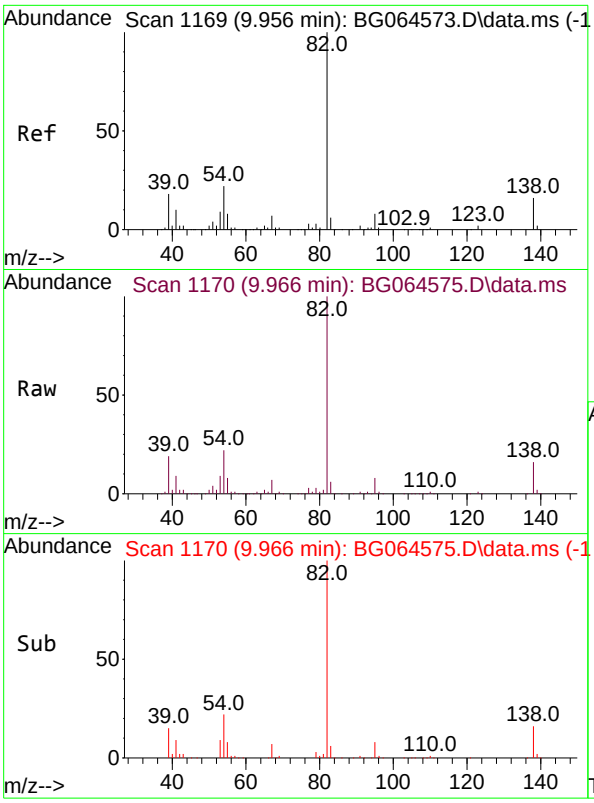


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 273231

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.8	12.7	19.1

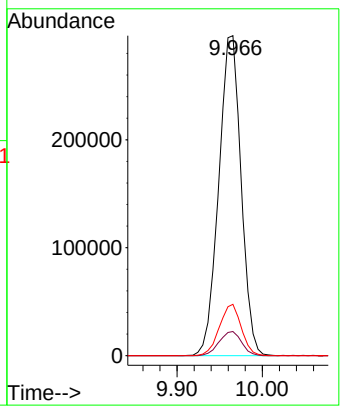




#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 539121

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.0	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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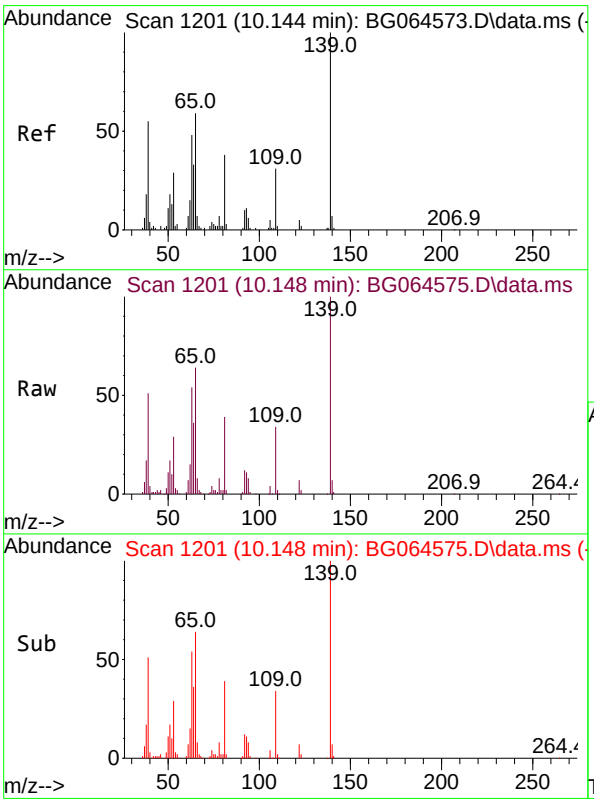
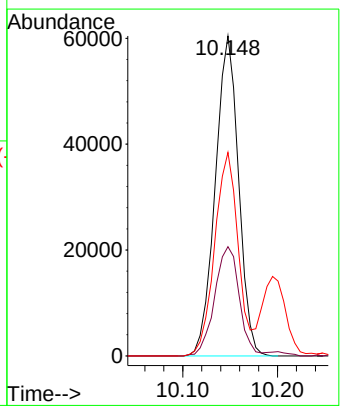
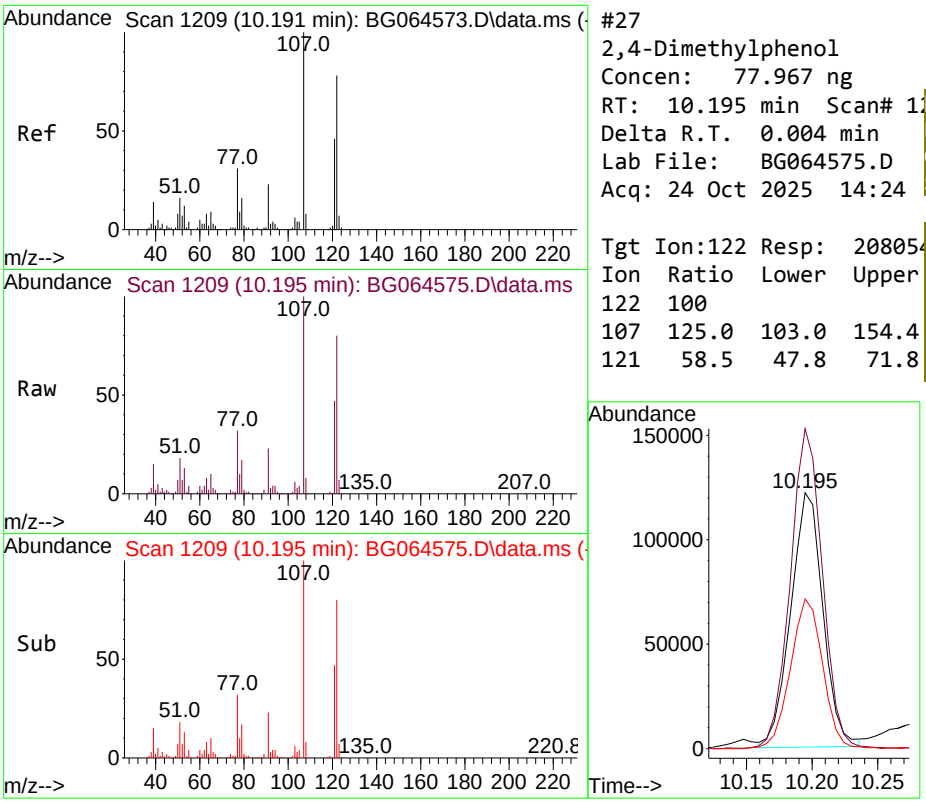


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 103090

Ion	Ratio	Lower	Upper
139	100		
109	34.1	24.6	37.0
65	63.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 77.967 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 20805

Ion	Ratio	Lower	Upper
122	100		
107	125.0	103.0	154.4
121	58.5	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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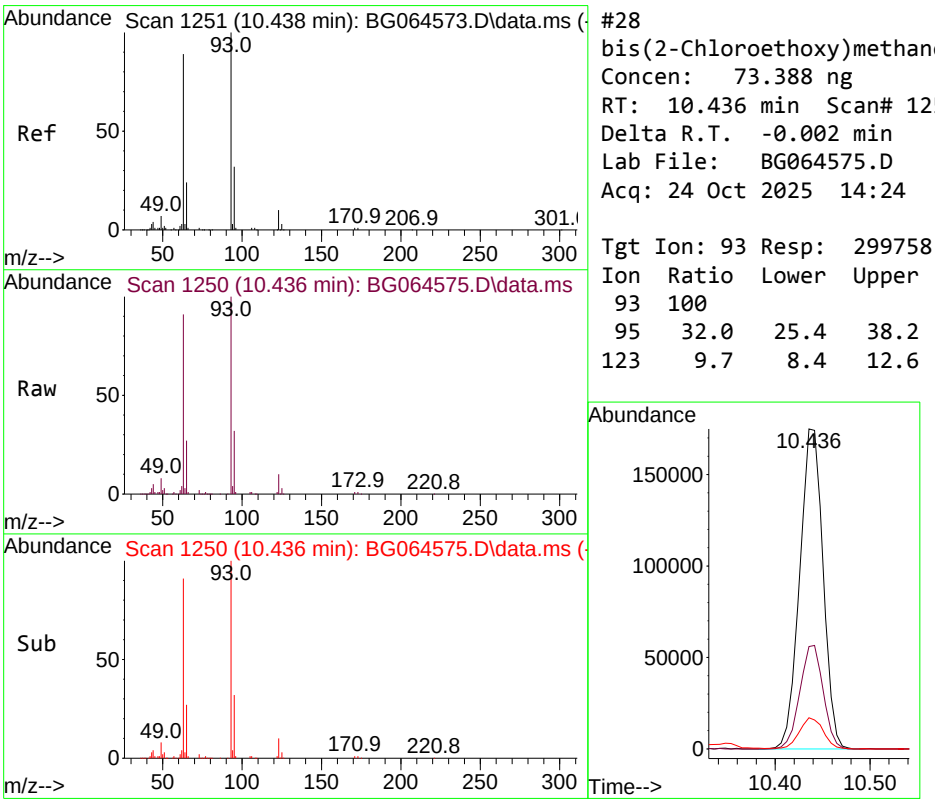
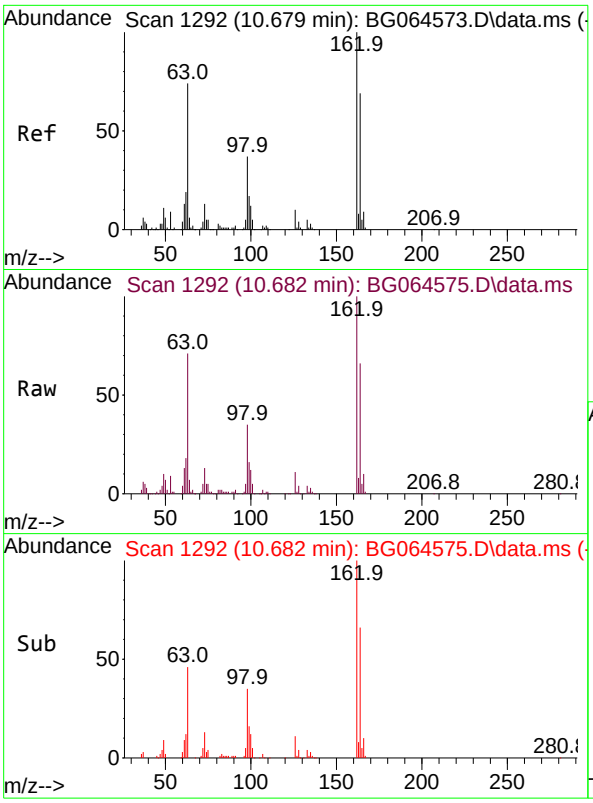


#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 299758

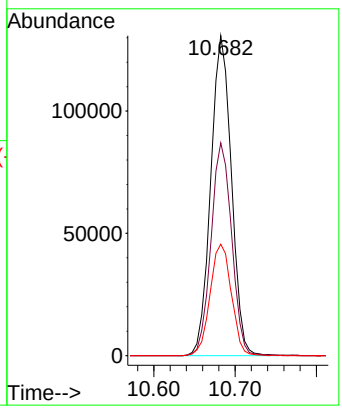
Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.4	38.2
123	9.7	8.4	12.6



#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 23125

Ion	Ratio	Lower	Upper
162	100		
164	66.5	48.7	88.7
98	34.8	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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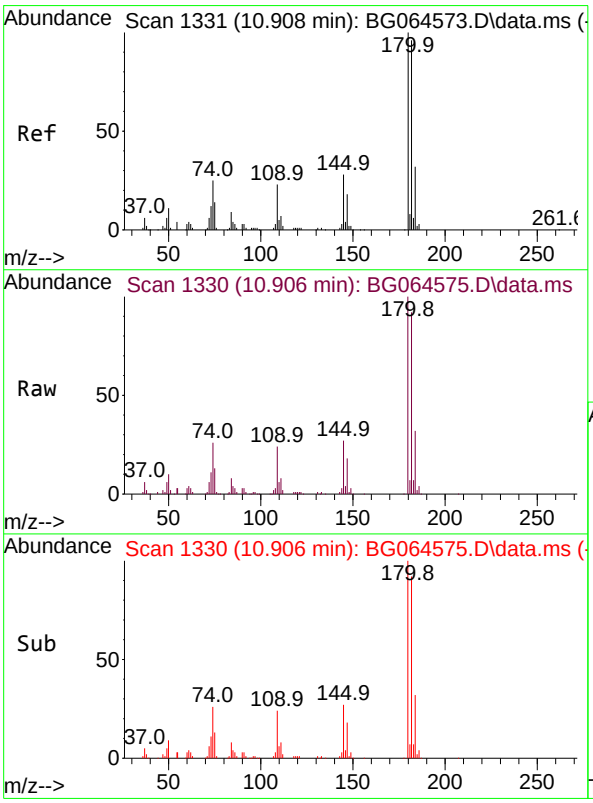
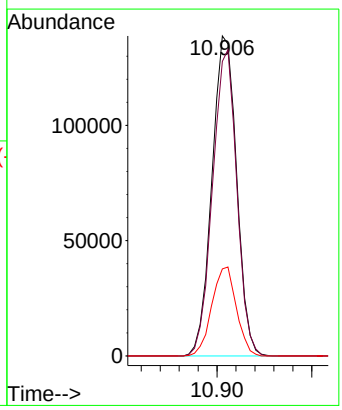
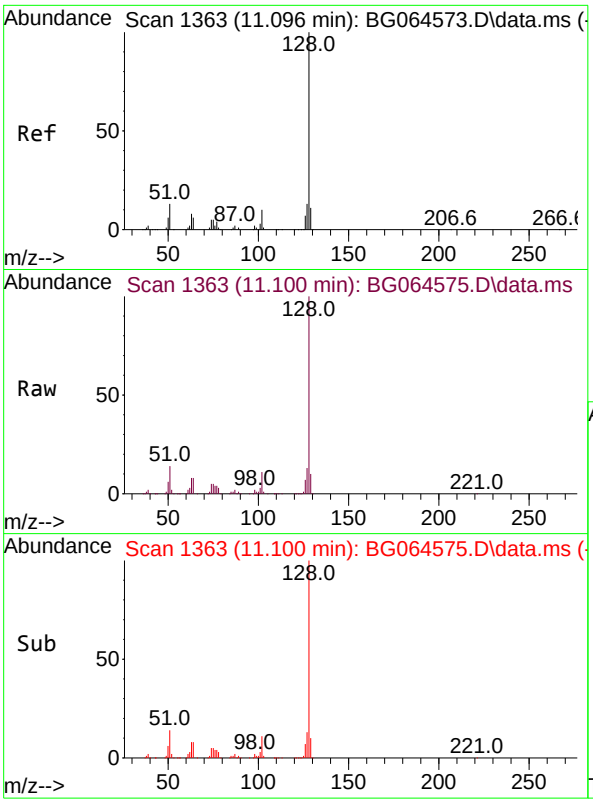


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:180 Resp: 250883

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.9	115.3
145	27.2	22.1	33.1

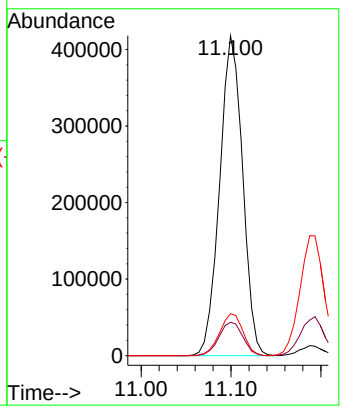




#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 74498

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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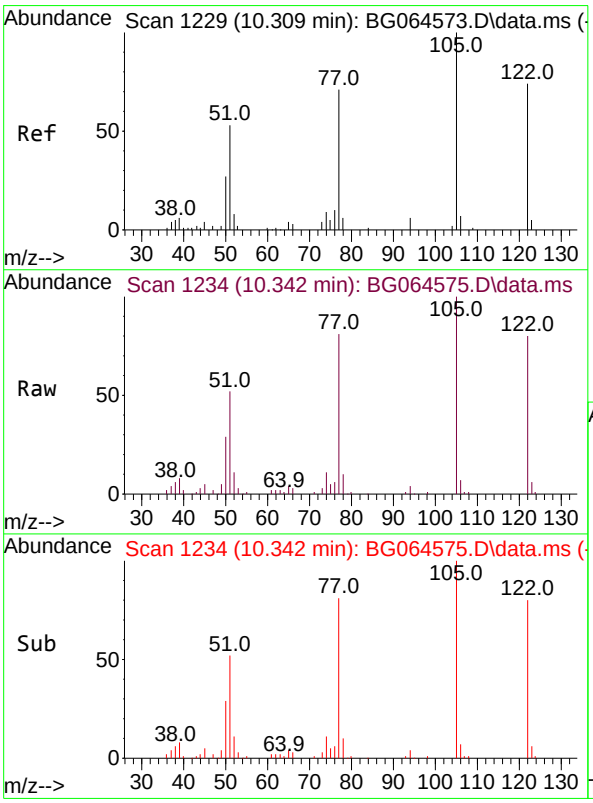
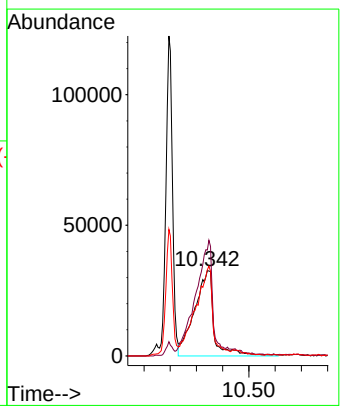
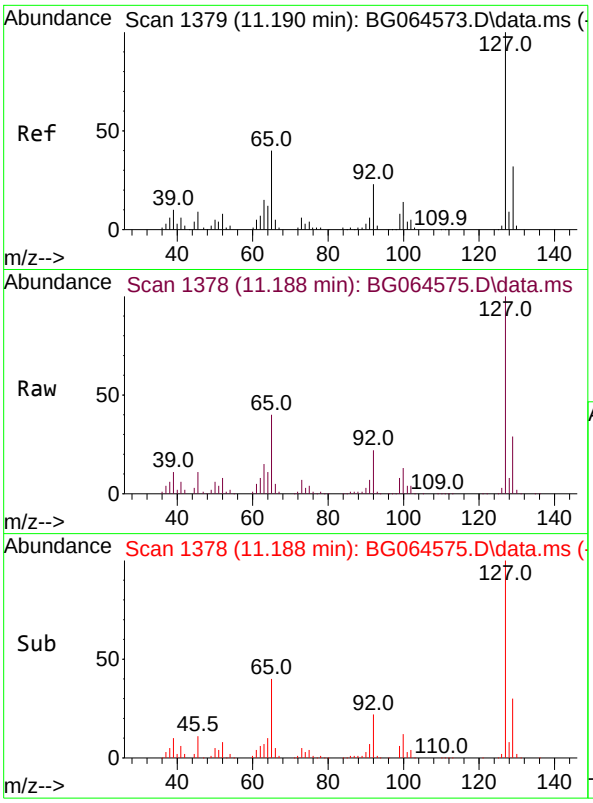


#32
Benzoic acid
Concen: 77.917 ng m
RT: 10.342 min Scan# 1234
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 169962

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.9	70.2	110.2

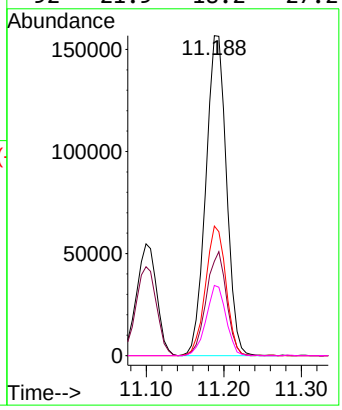




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:127 Resp: 29061

Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.5	38.3
65	40.5	32.2	48.4
92	21.9	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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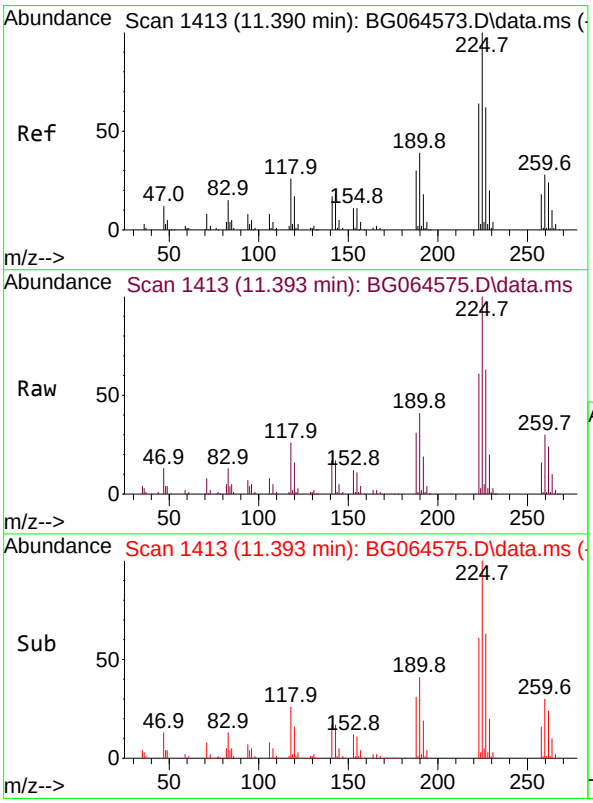
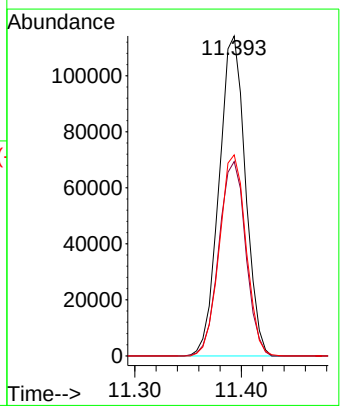
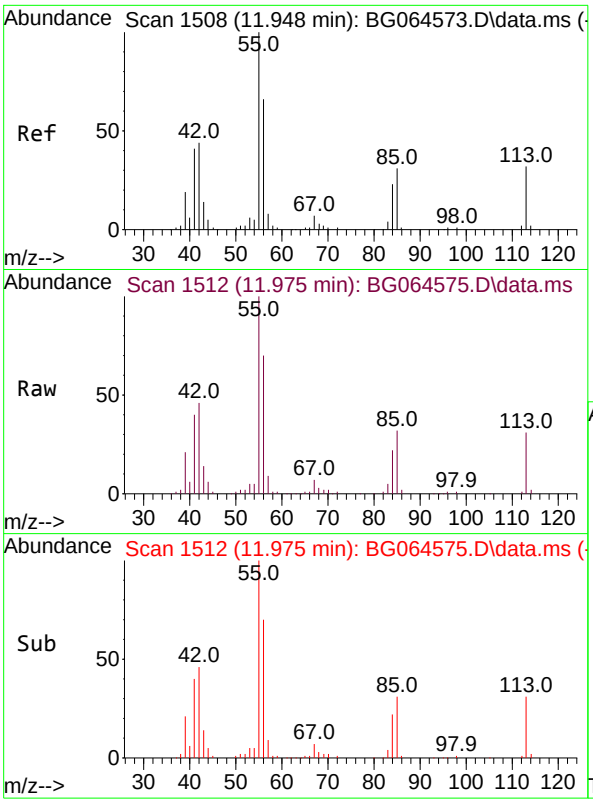


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:225 Resp: 196140

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.8	73.2
227	62.8	49.5	74.3

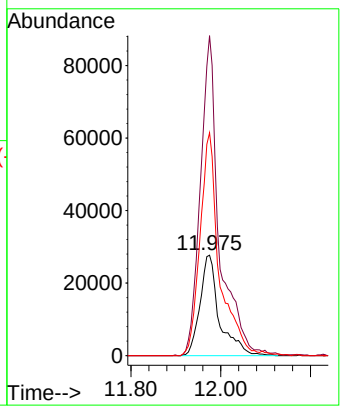




#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:113 Resp: 8326

Ion	Ratio	Lower	Upper
113	100		
55	318.6	290.1	330.1
56	221.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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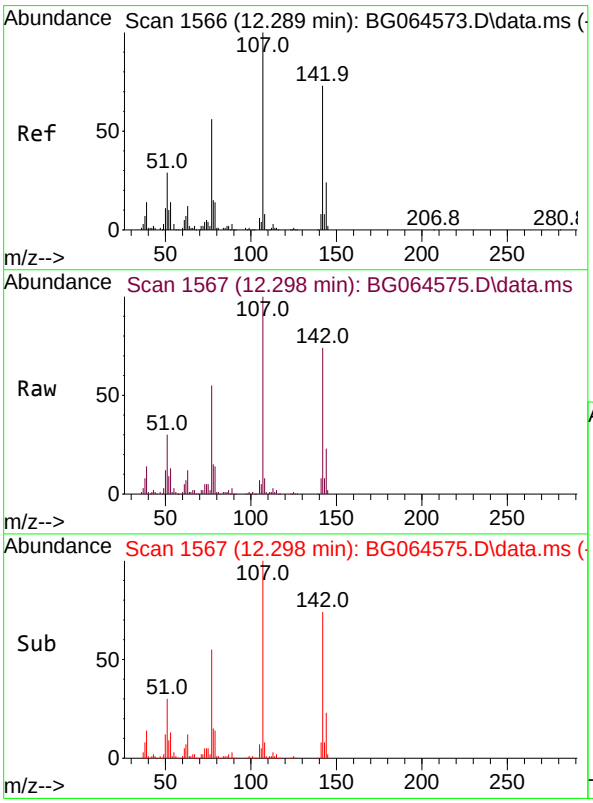
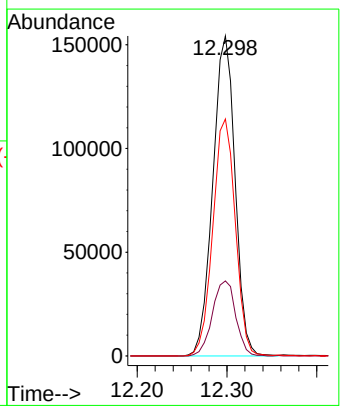
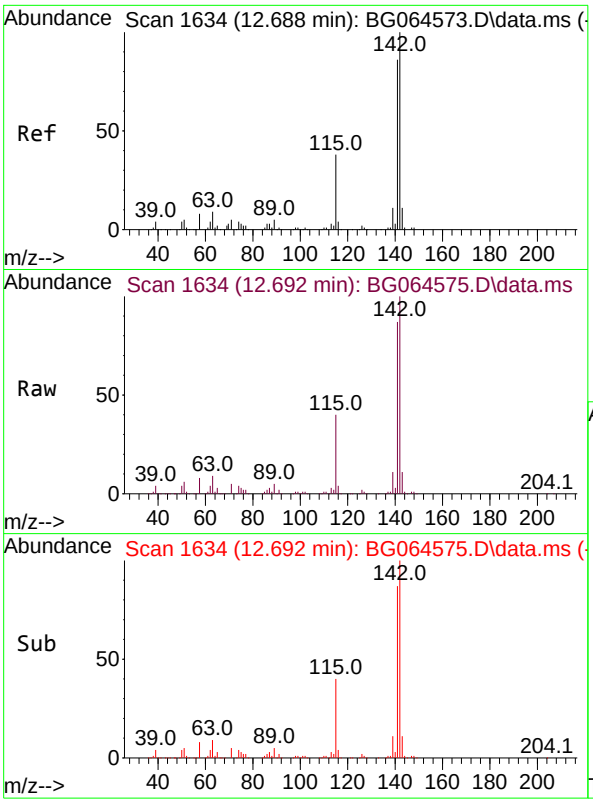


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 265909

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.1	28.7
142	74.0	58.6	87.8

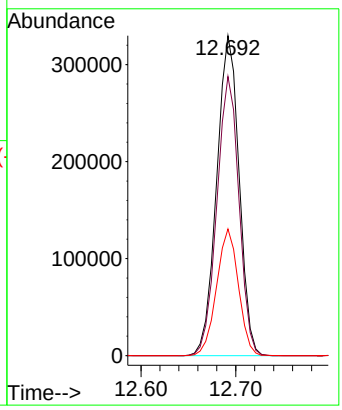




#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 54213

Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0



Instrument :
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ClientSampleId :
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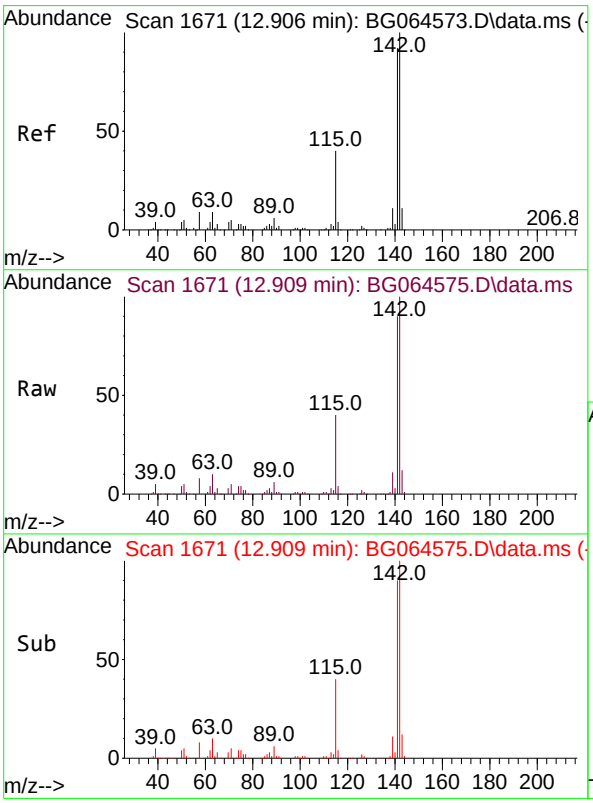
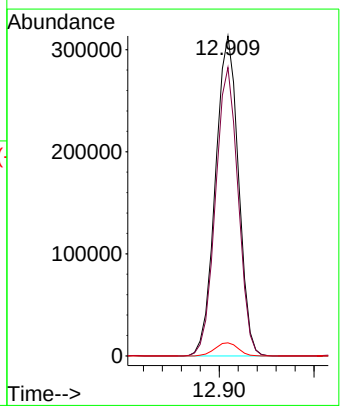
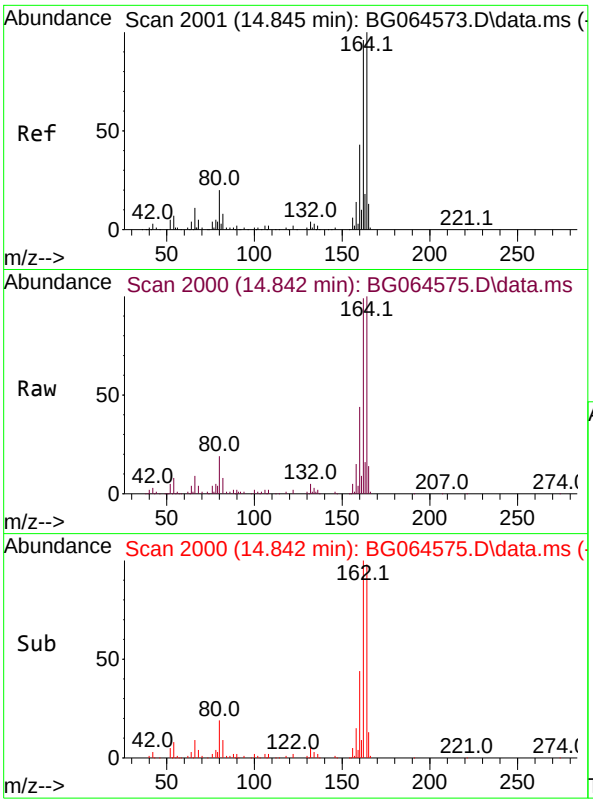


#38
1-Methylnaphthalene
Concen: 72.945 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 527717

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.3	109.9
116	4.1	3.1	4.7

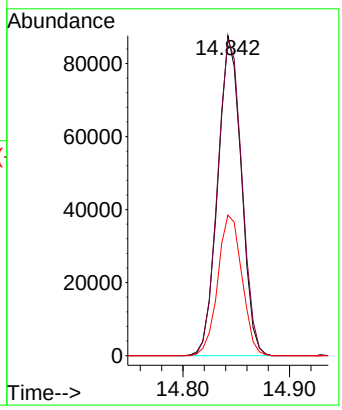




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:164 Resp: 13379

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.0	115.6
160	43.9	34.4	51.6



Instrument :
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ClientSampleId :
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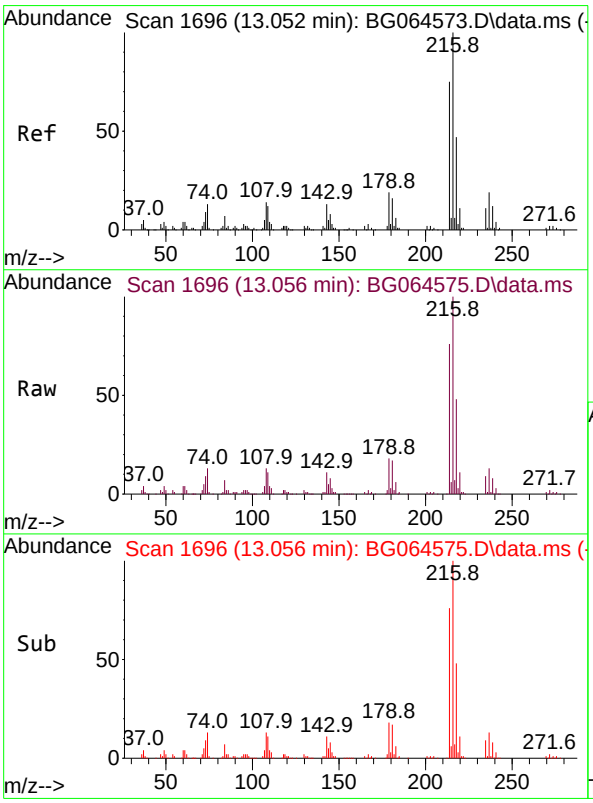
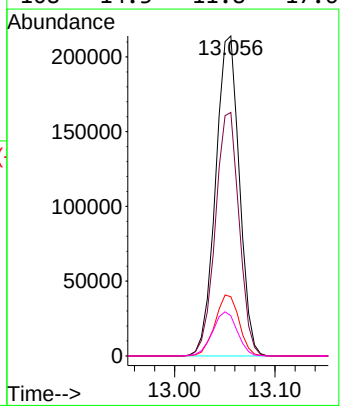
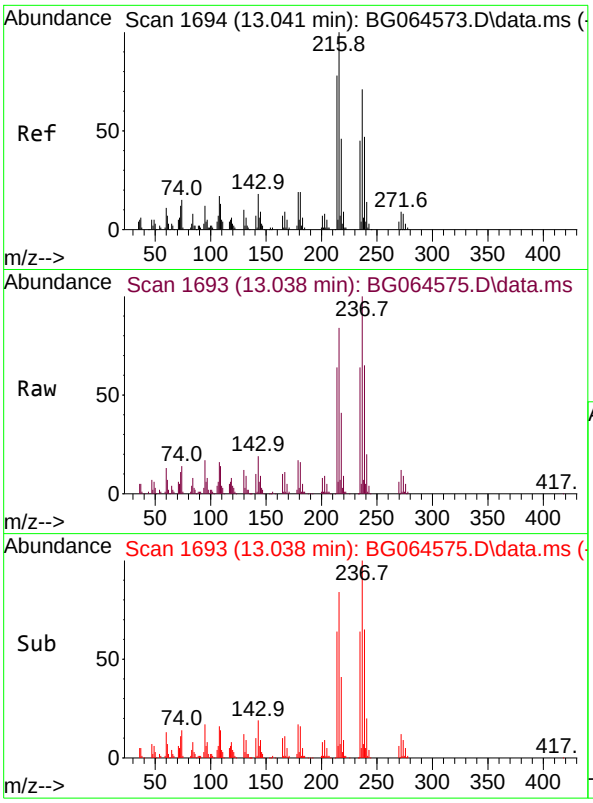


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:216 Resp: 351719

Ion	Ratio	Lower	Upper
216	100		
214	76.1	61.4	92.2
179	19.3	15.4	23.0
108	14.3	11.8	17.6

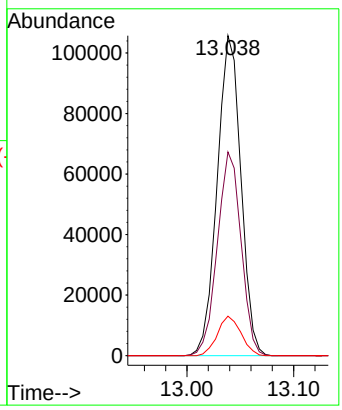




#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:237 Resp: 16346

Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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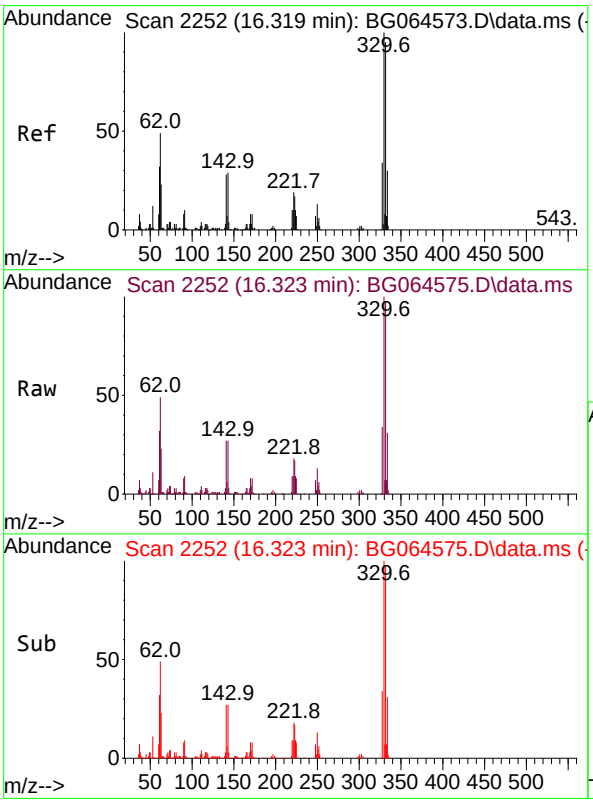
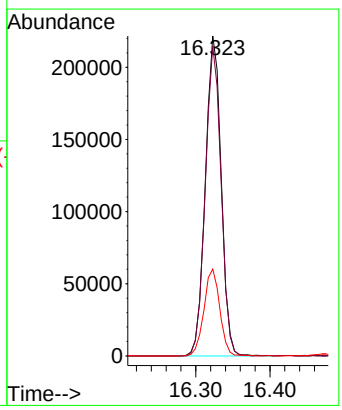
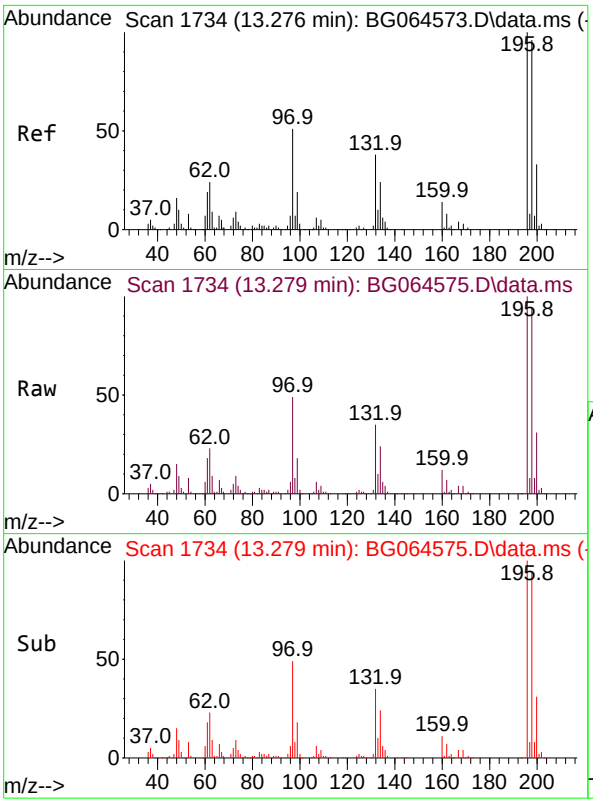


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:330 Resp: 328066

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	27.1	21.8	32.6

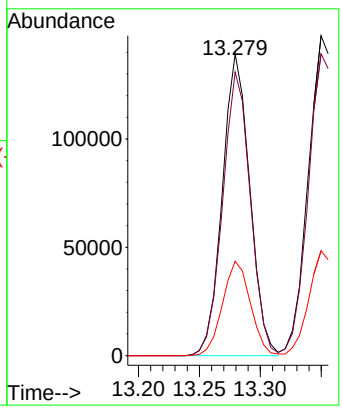




#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 21831

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.6	115.0
200	31.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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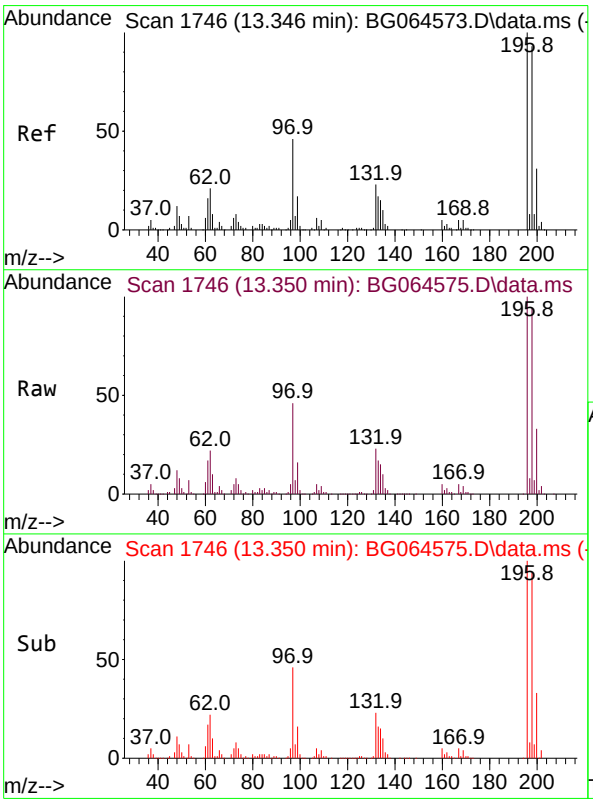
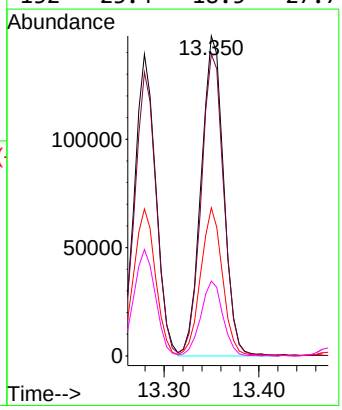
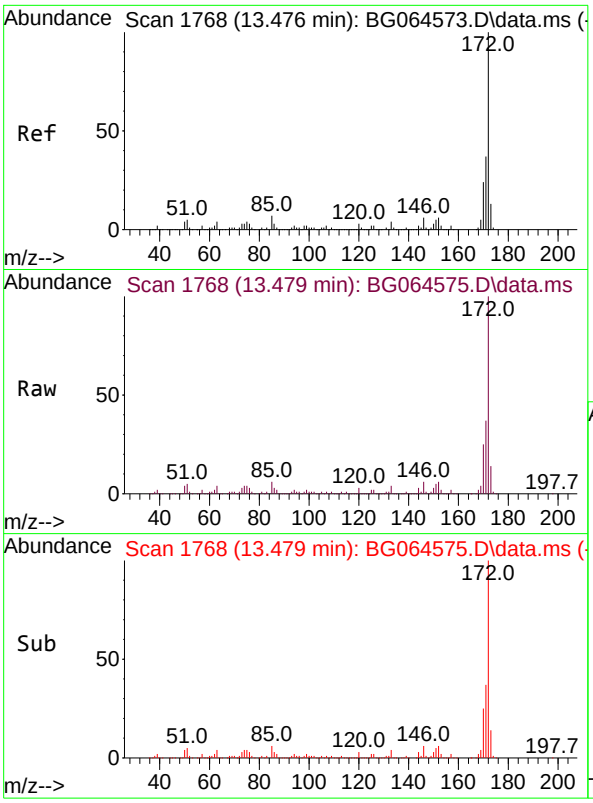


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 243241

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.2	111.4
97	46.3	37.0	55.6
132	23.4	18.5	27.7

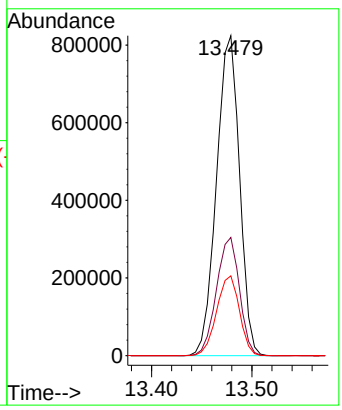




#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:172 Resp: 131489

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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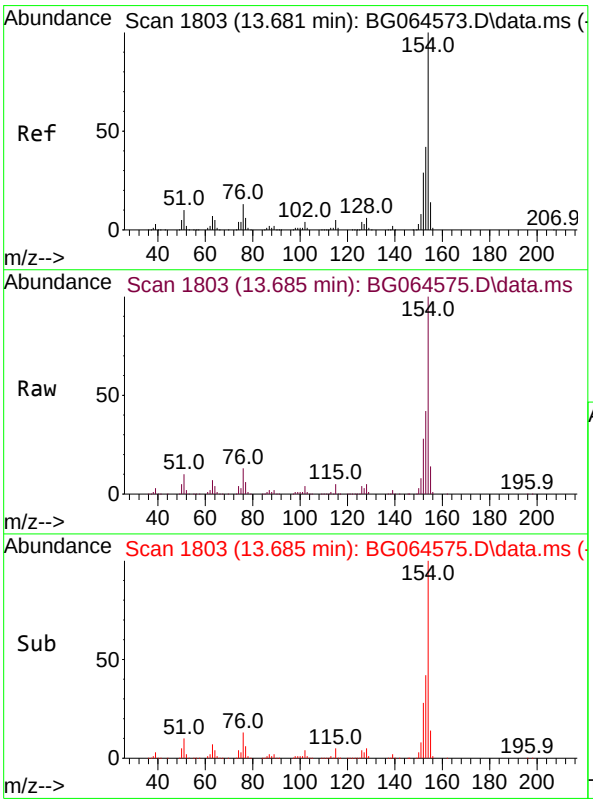
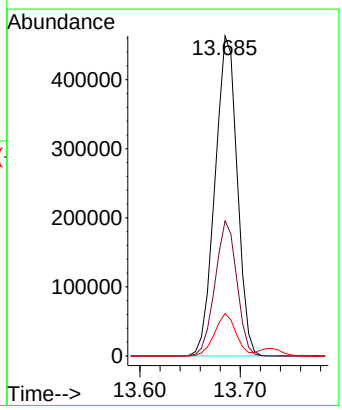
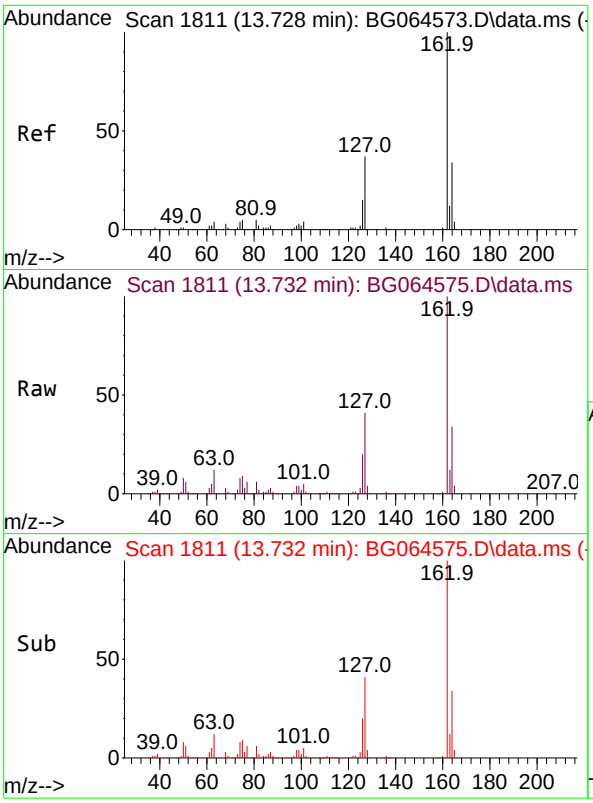


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 713186

Ion	Ratio	Lower	Upper
154	100		
153	42.2	22.4	62.4
76	13.2	0.0	33.5

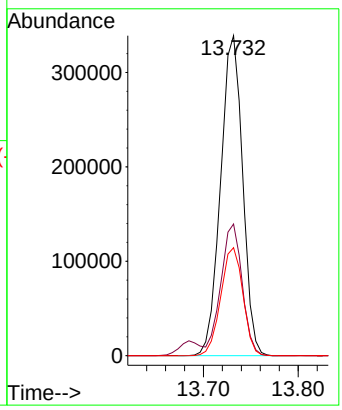




#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 54724

Ion	Ratio	Lower	Upper
162	100		
127	41.1	32.2	48.2
164	33.7	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
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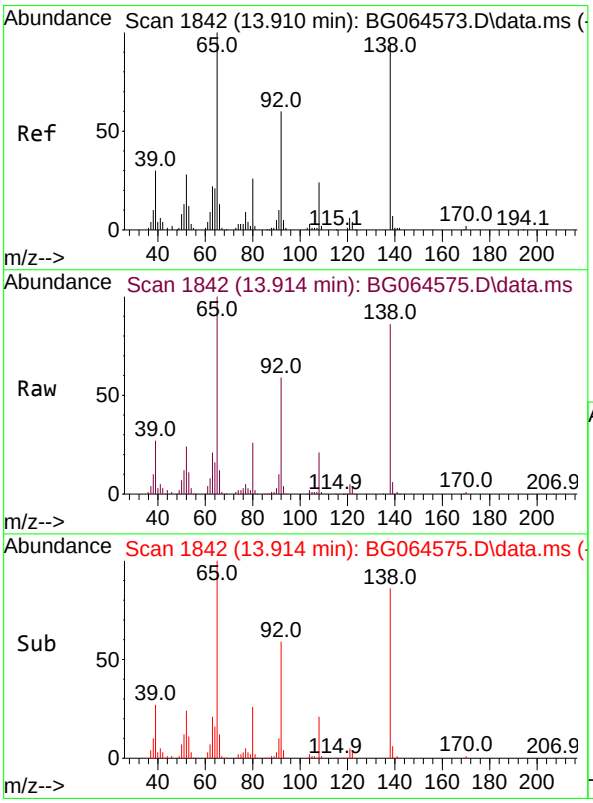
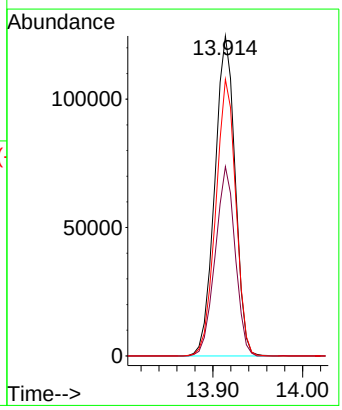
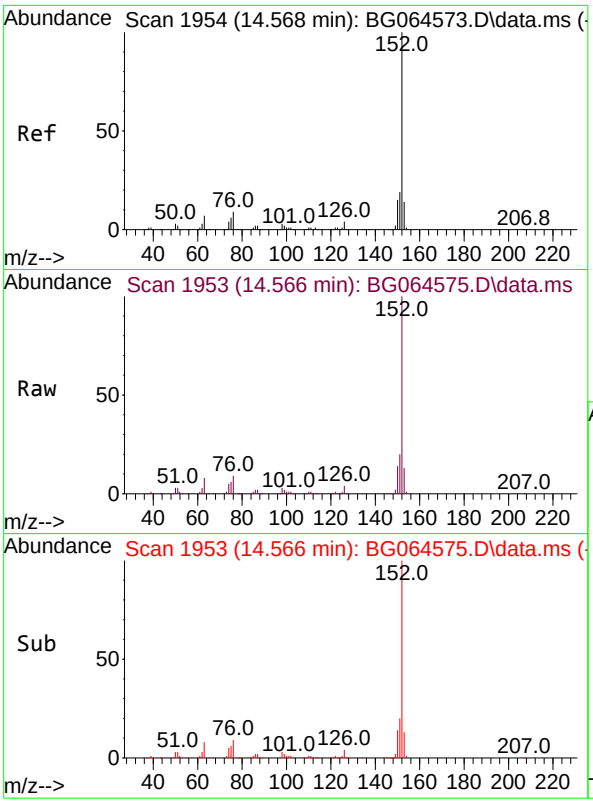


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 65 Resp: 196580

Ion	Ratio	Lower	Upper
65	100		
92	59.1	48.3	72.5
138	86.4	74.9	112.3

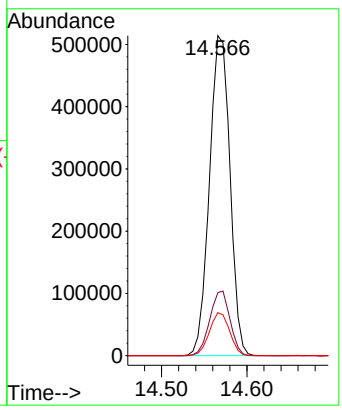




#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 858511

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4



Instrument :
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ClientSampleId :
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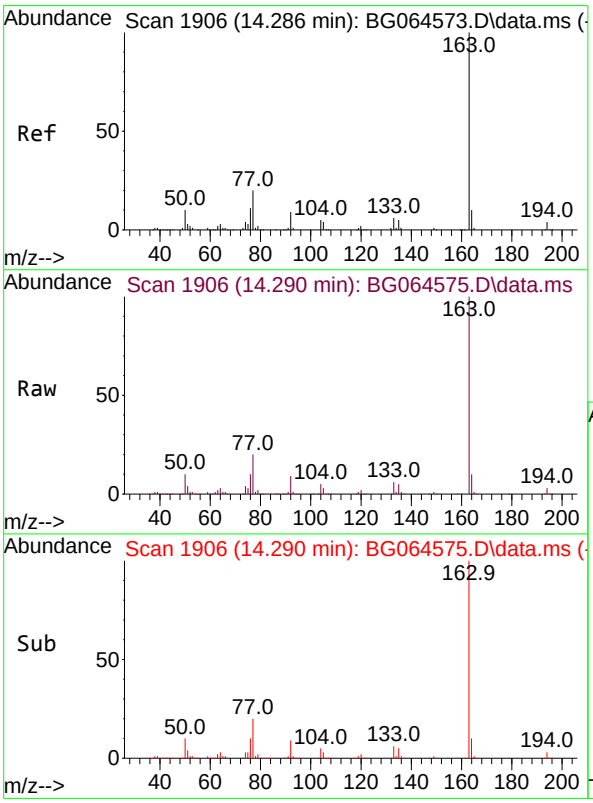
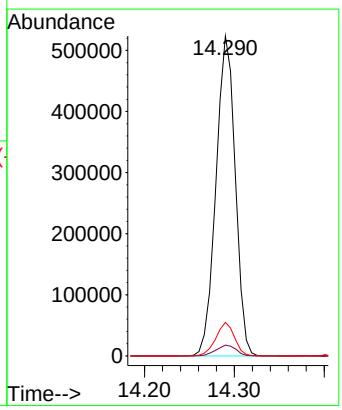
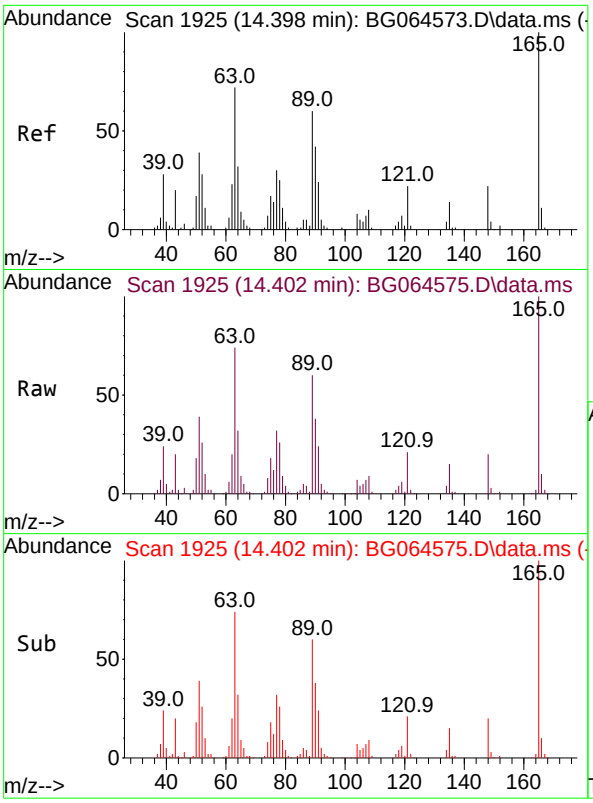


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:163 Resp: 782708

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	7.7	11.5

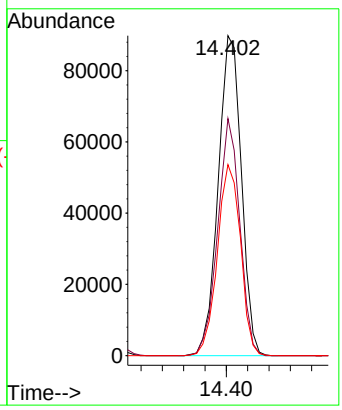




#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 135769

Ion	Ratio	Lower	Upper
165	100		
63	74.1	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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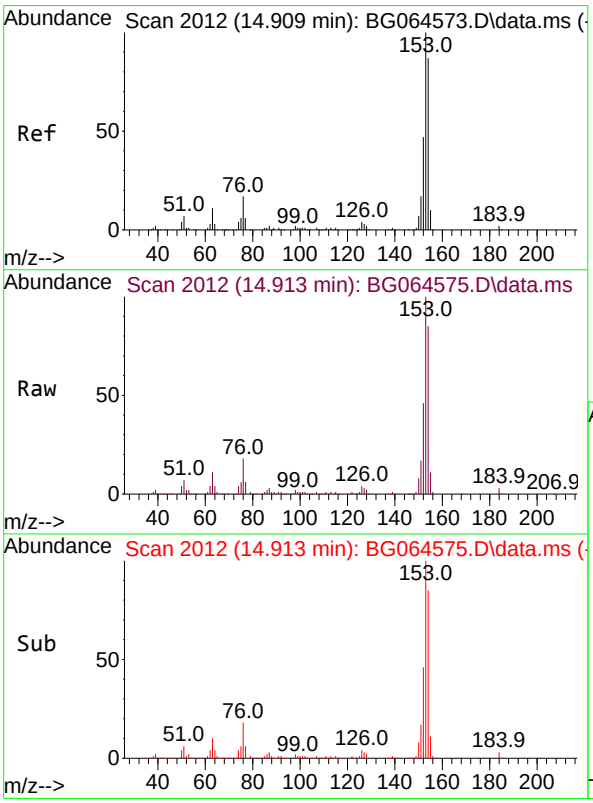
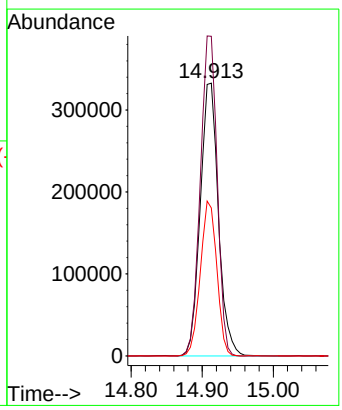
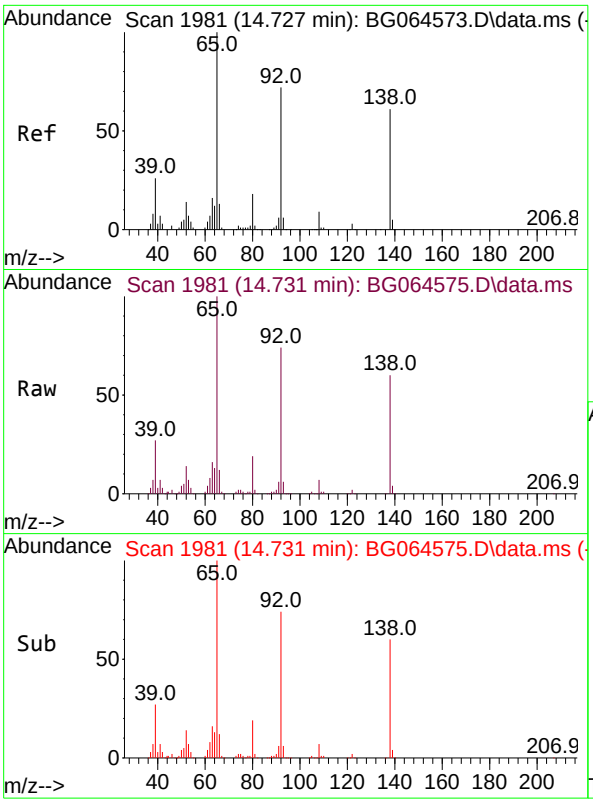


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 589213

Ion	Ratio	Lower	Upper
154	100		
153	117.2	92.2	138.4
152	54.2	43.2	64.8

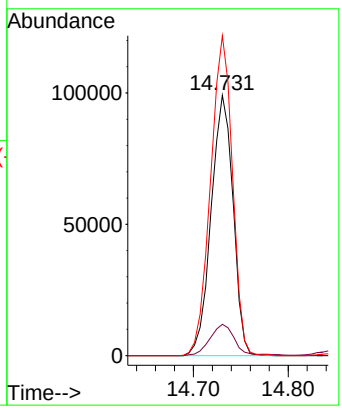




#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 15907

Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	122.9	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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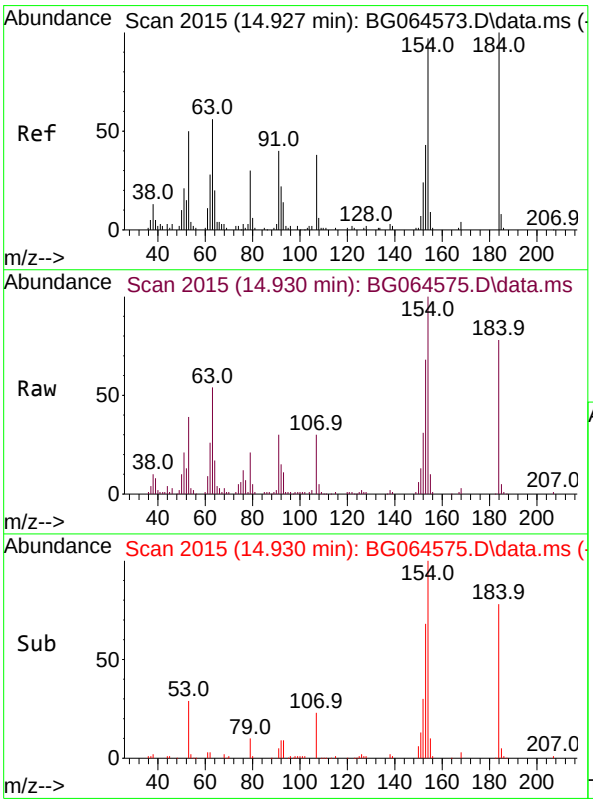
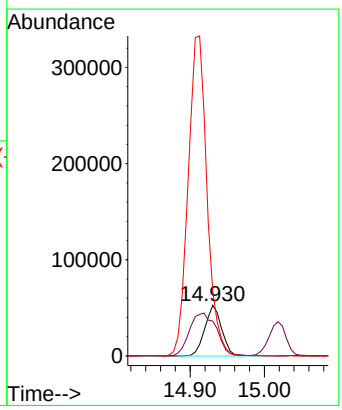
Supervised By :mohammad ahmed 11/05/2025

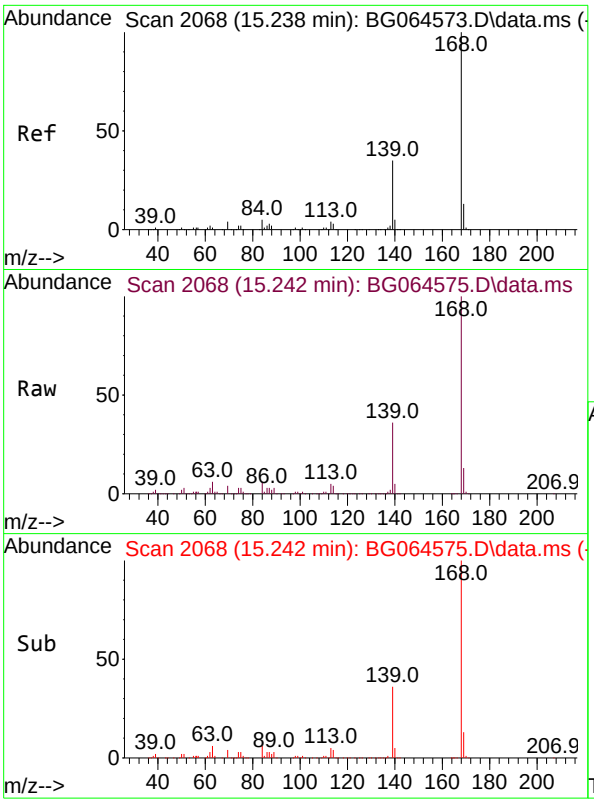


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 82655

Ion	Ratio	Lower	Upper
184	100		
63	69.0	56.6	85.0
154	128.4	158.6	238.0#

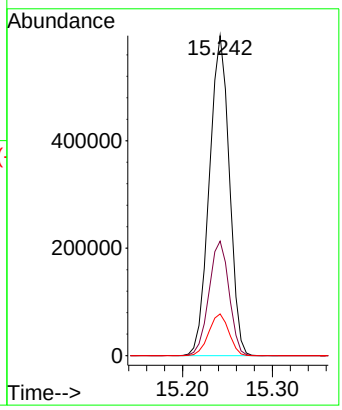




#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:168 Resp: 92338

Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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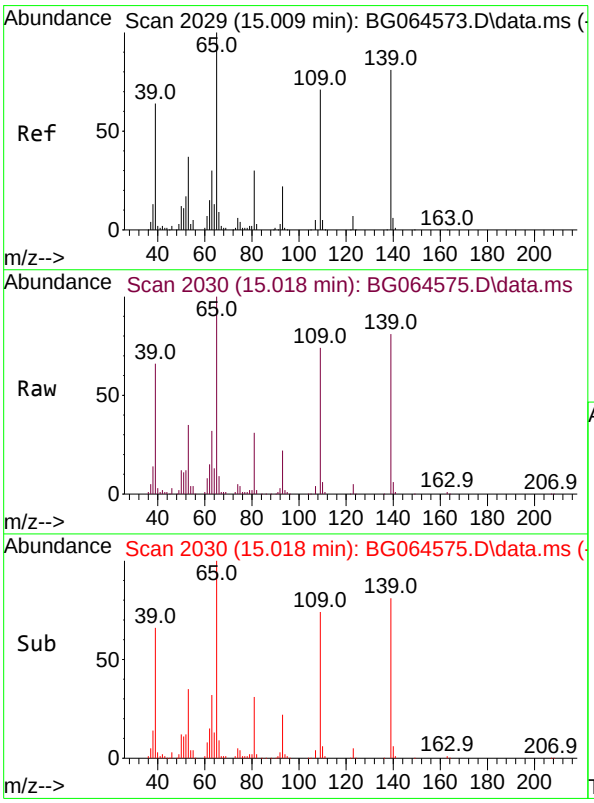
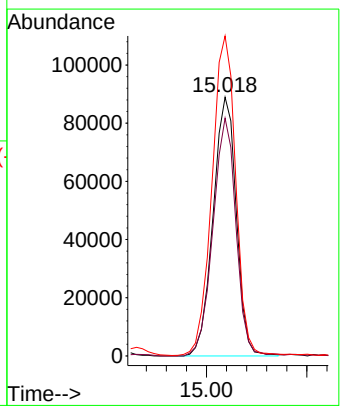
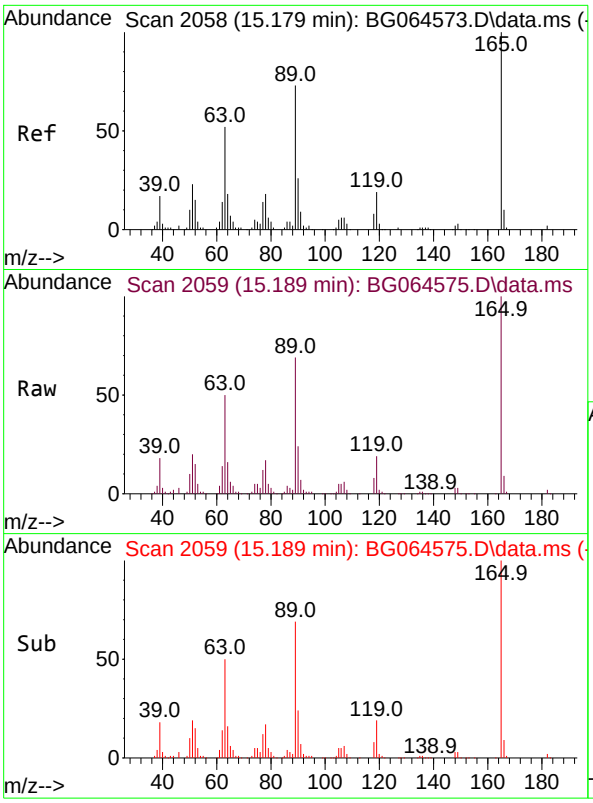


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 142966

Ion	Ratio	Lower	Upper
139	100		
109	91.9	67.8	107.8
65	123.7	103.7	143.7

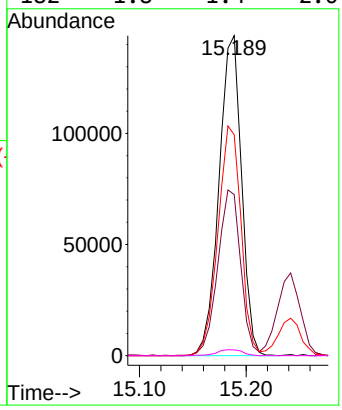




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2
Delta R.T. 0.010 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 21216

Ion	Ratio	Lower	Upper
165	100		
63	50.3	41.8	62.8
89	69.0	58.1	87.1
182	1.8	1.4	2.0



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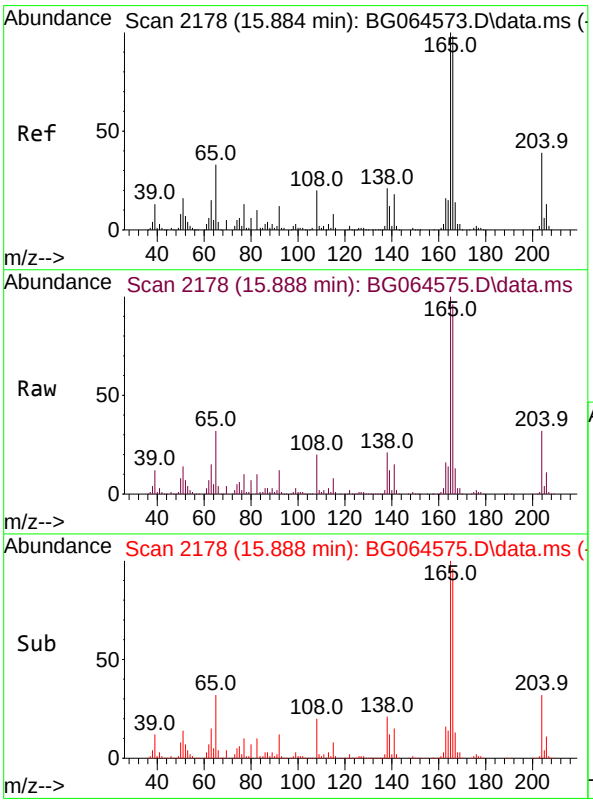
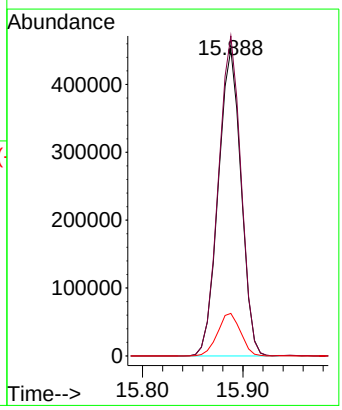
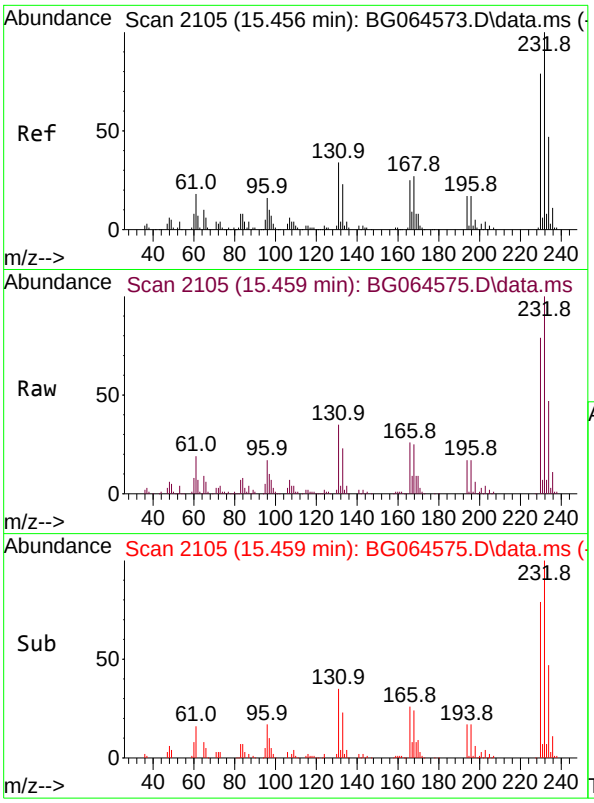


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:166 Resp: 711212

Ion	Ratio	Lower	Upper
166	100		
165	104.4	81.5	122.3
167	13.8	11.4	17.0

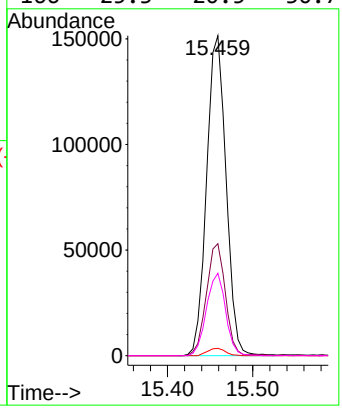




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:232 Resp: 240094

Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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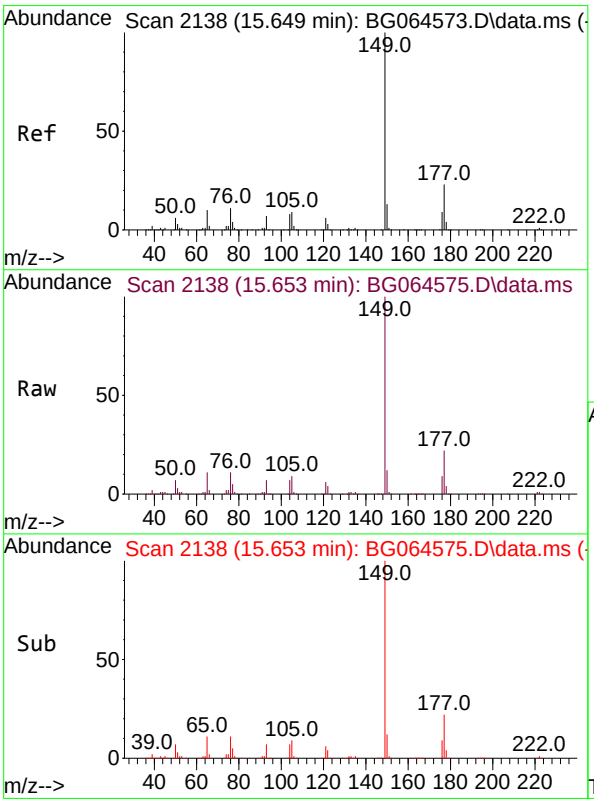
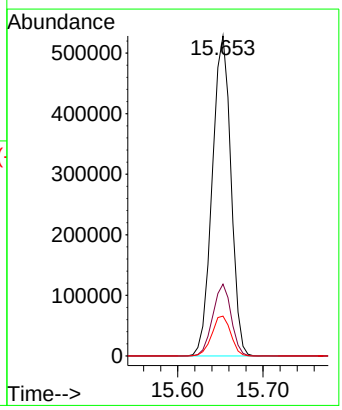
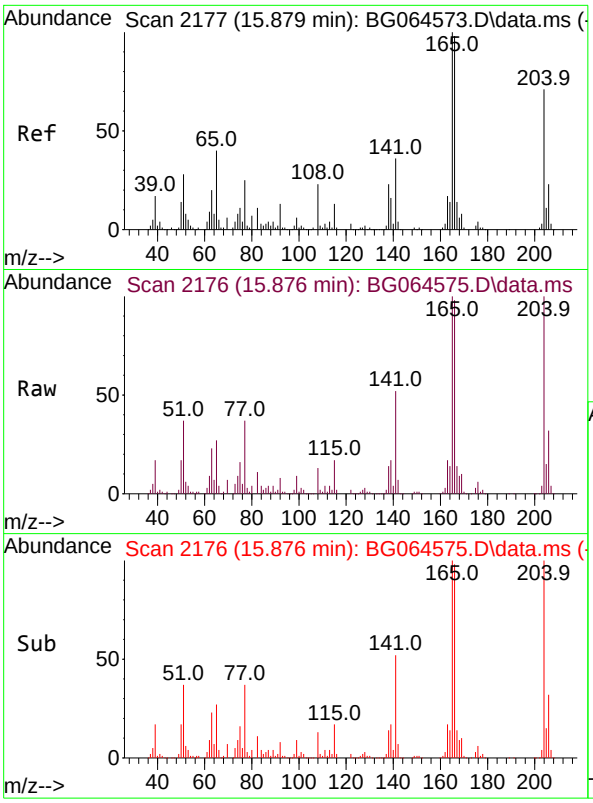


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 803621

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.4	10.2	15.4

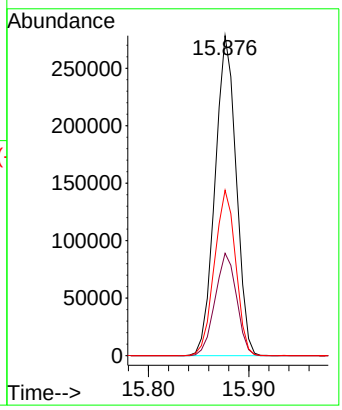




#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:204 Resp: 40823

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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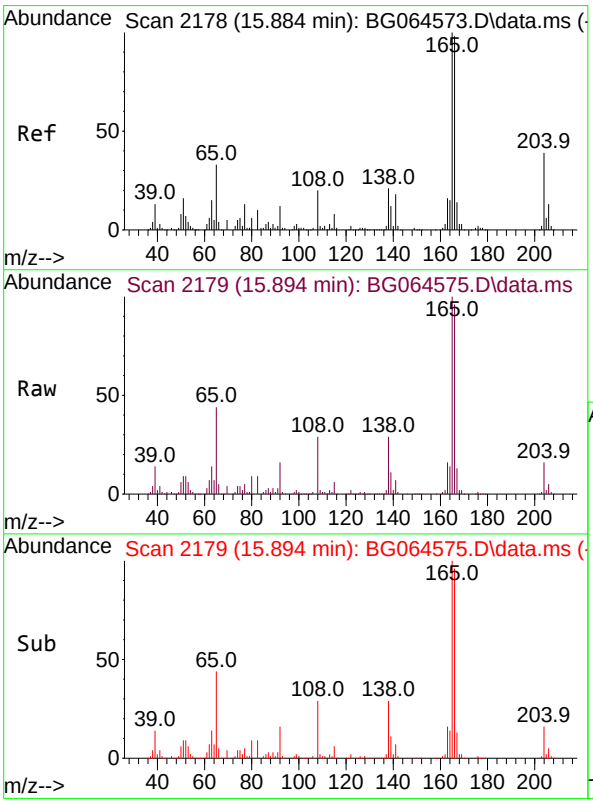
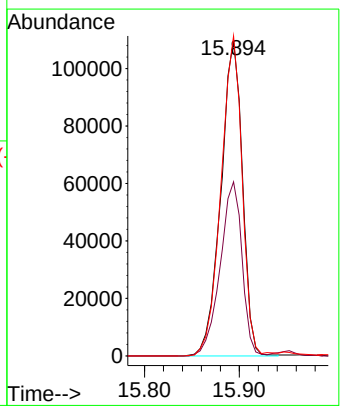
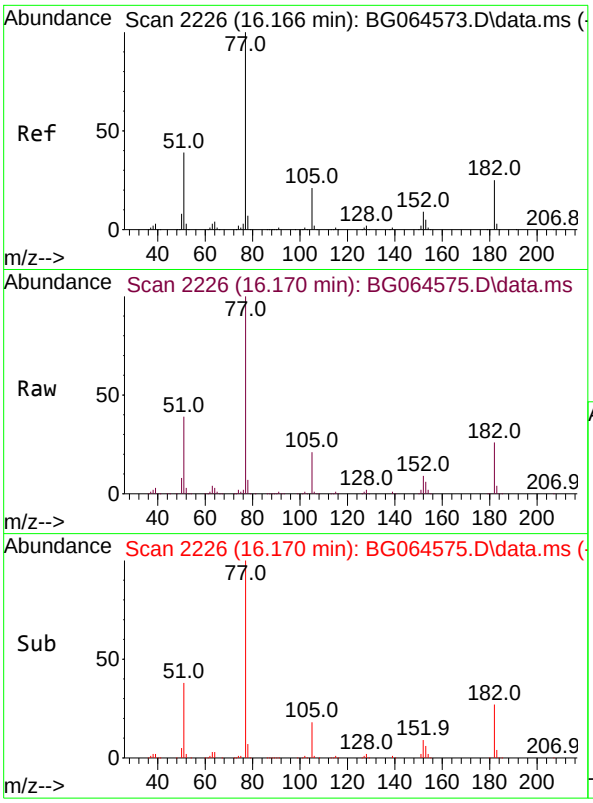


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 173159

Ion	Ratio	Lower	Upper
138	100		
92	55.1	36.1	76.1
108	101.4	75.6	115.6

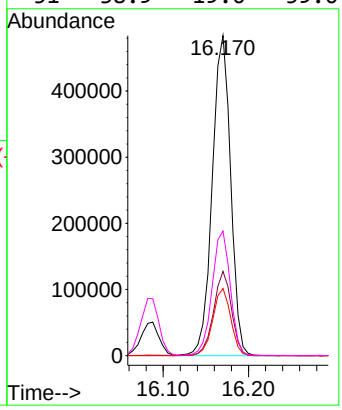




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 72398

Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	21.0	1.3	41.3
51	38.9	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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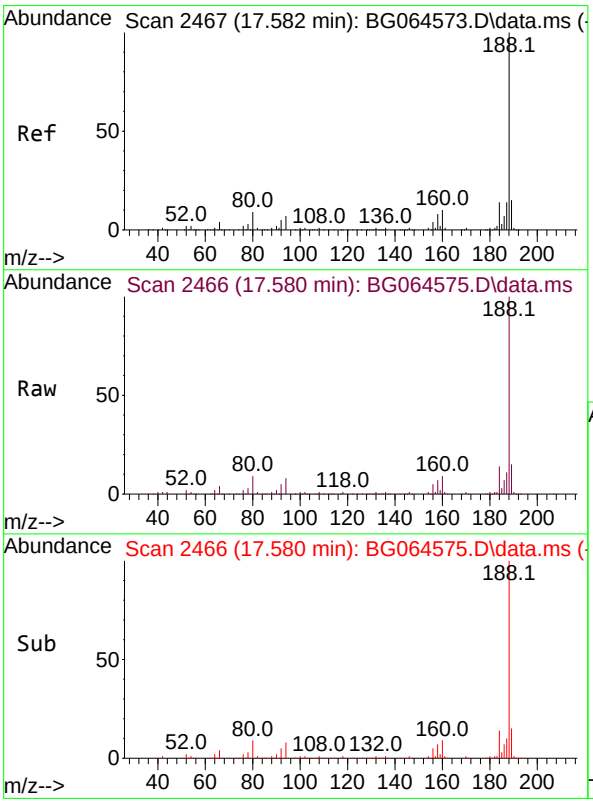
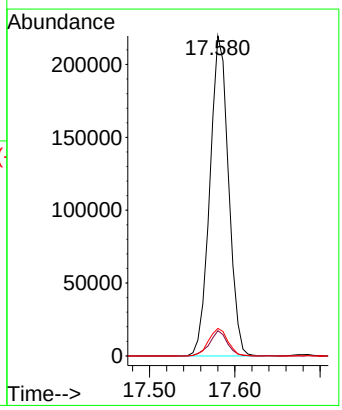
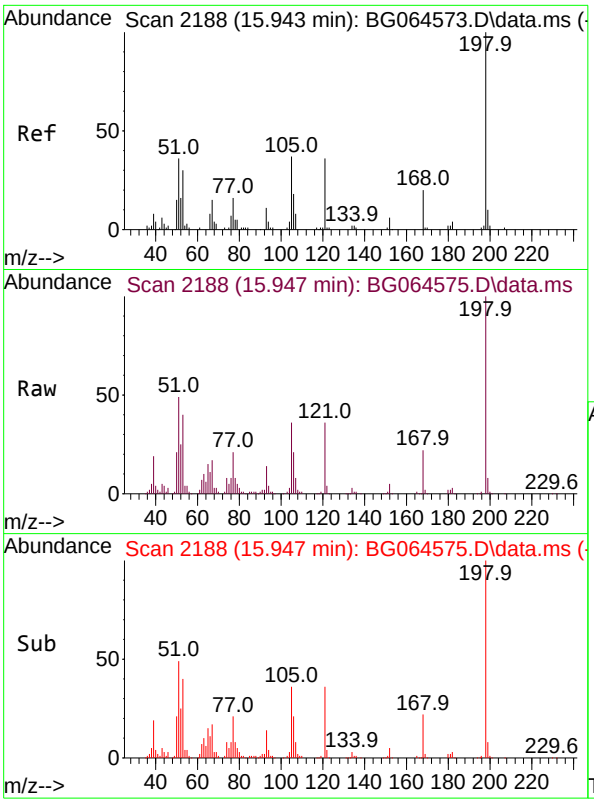


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:188 Resp: 333421

Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.7	8.5
80	8.6	6.8	10.2

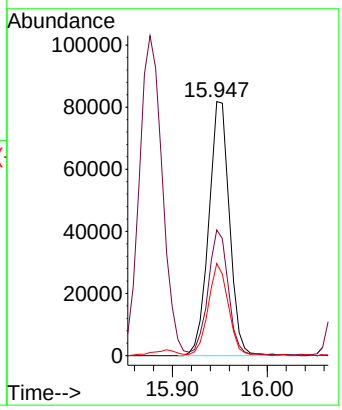




#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:198 Resp: 12410

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	36.3	18.0	58.0



Instrument :
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ClientSampleId :
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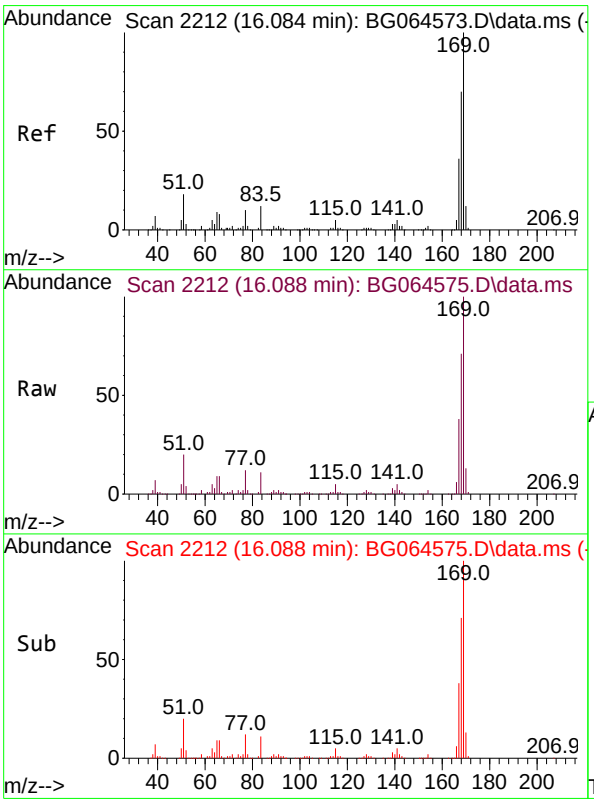
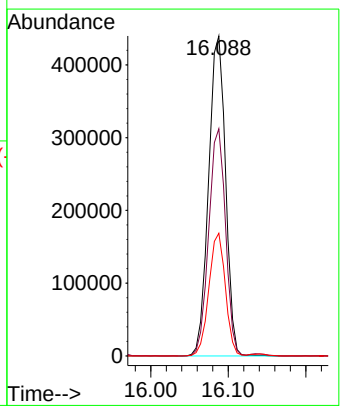
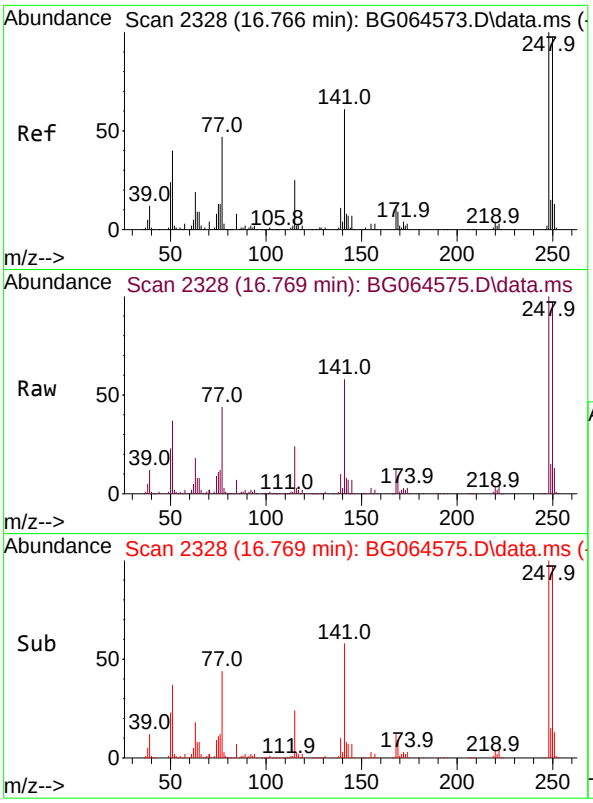


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:169 Resp: 666665

Ion	Ratio	Lower	Upper
169	100		
168	71.0	56.3	84.5
167	38.3	29.0	43.6

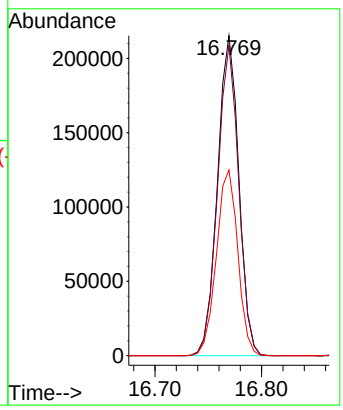




#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:248 Resp: 29934

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.0	48.6	72.8



Instrument :
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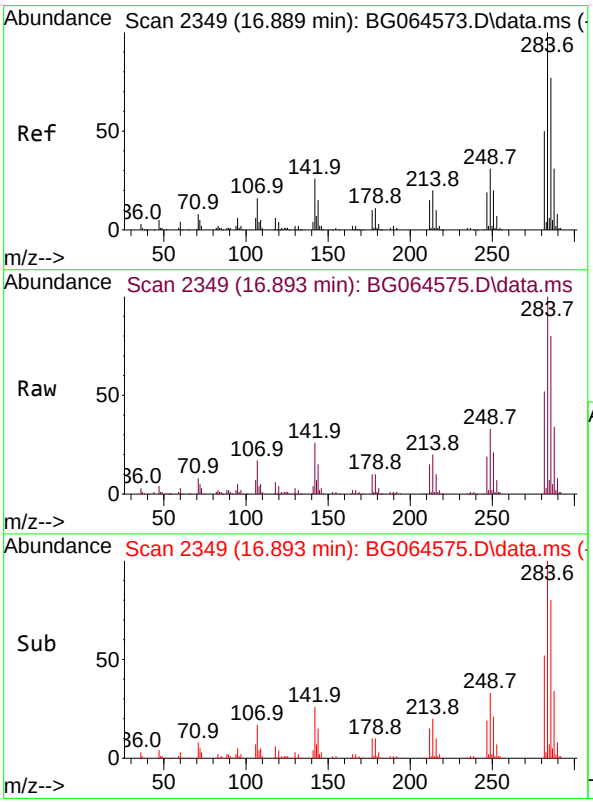
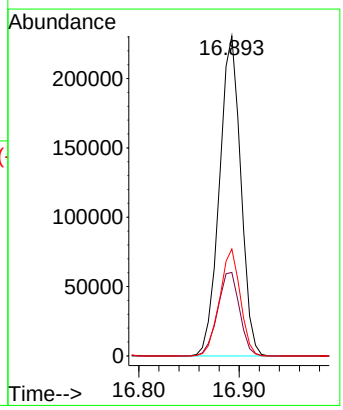
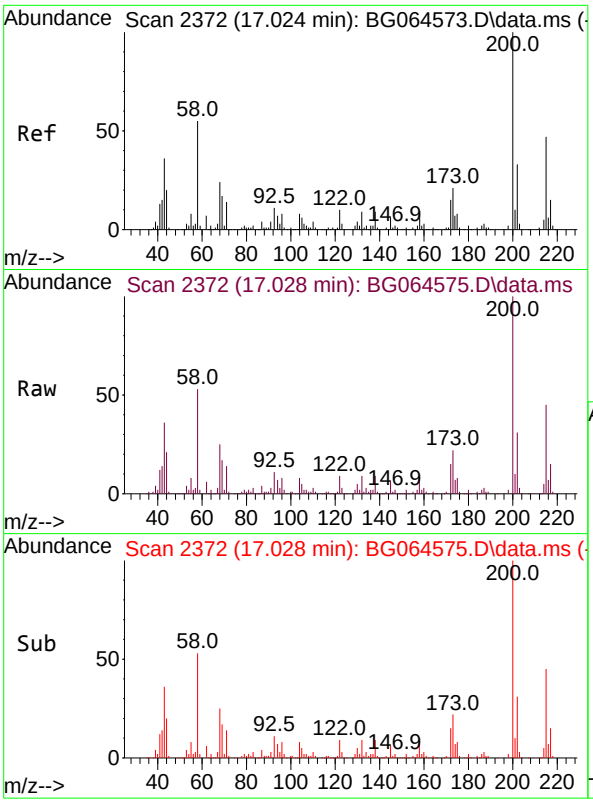


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:284 Resp: 341338

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.0	31.6
249	35.4	24.9	37.3

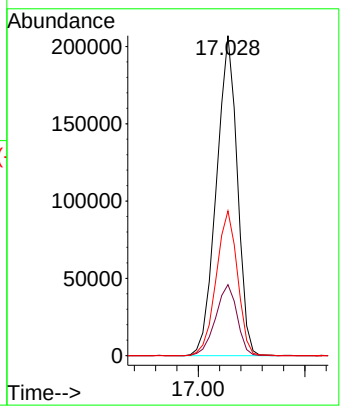




#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:200 Resp: 28195

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	45.2	27.0	67.0



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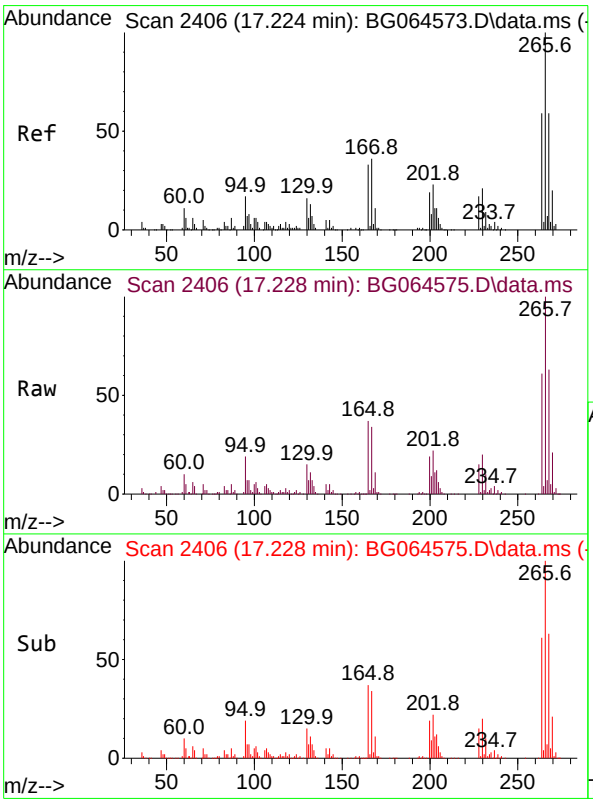
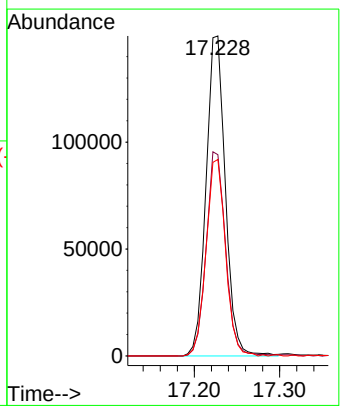
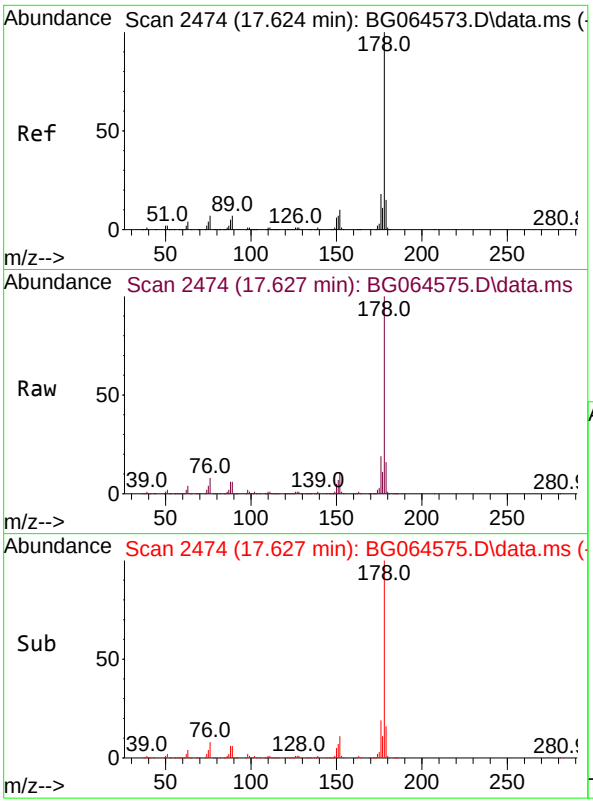


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:266 Resp: 235472

Ion	Ratio	Lower	Upper
266	100		
268	67.7	50.3	75.5
264	65.8	47.3	70.9

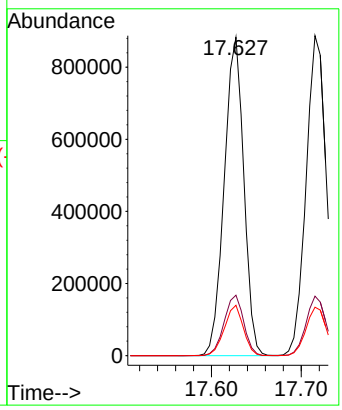




#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 134061

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4



Instrument :
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ClientSampleId :
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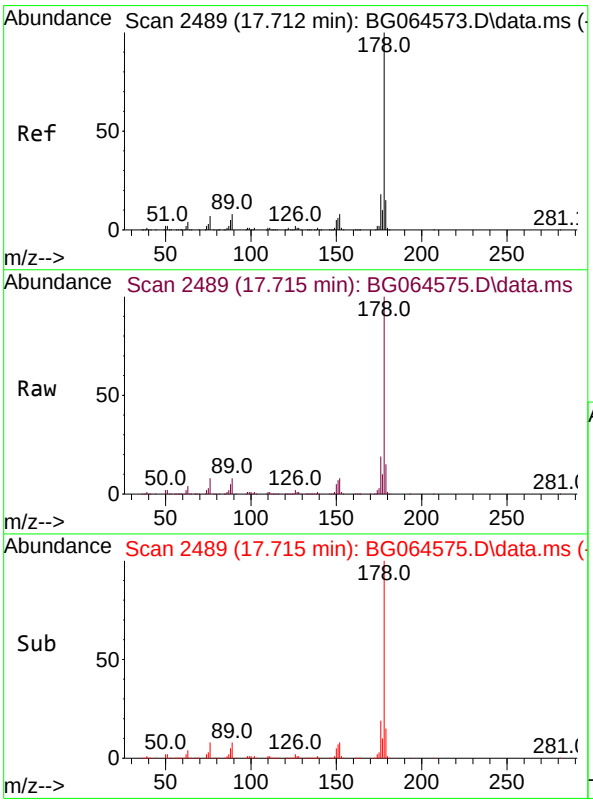
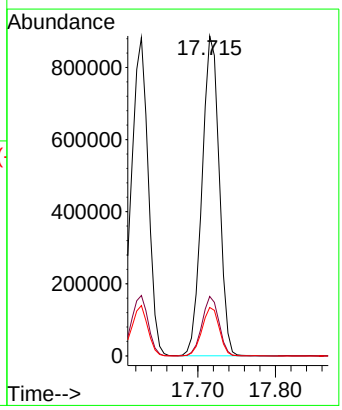
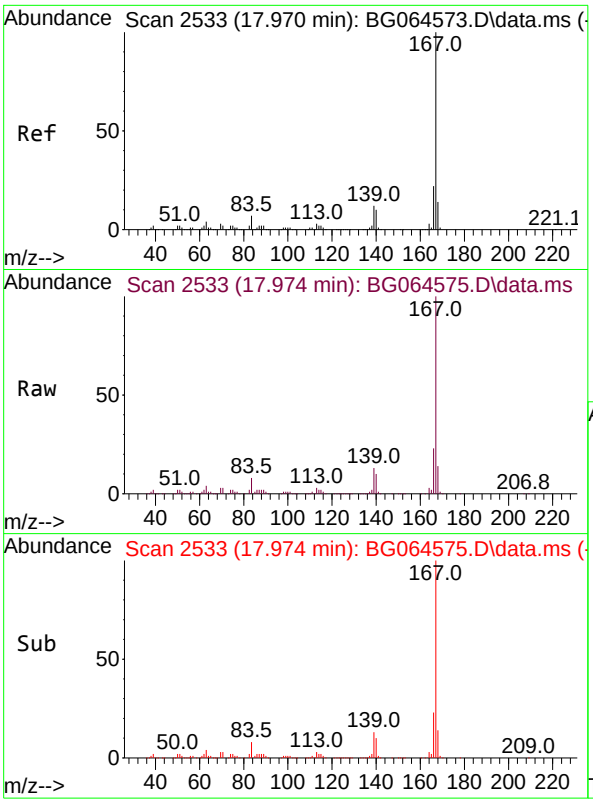


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 1367044

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.4	21.6
179	15.1	12.4	18.6

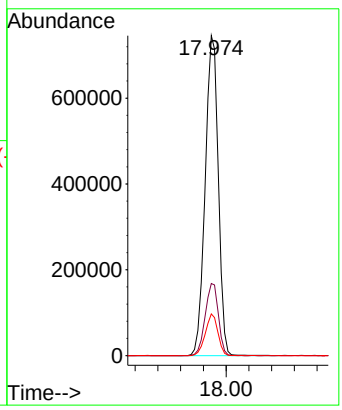




#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:167 Resp: 119596

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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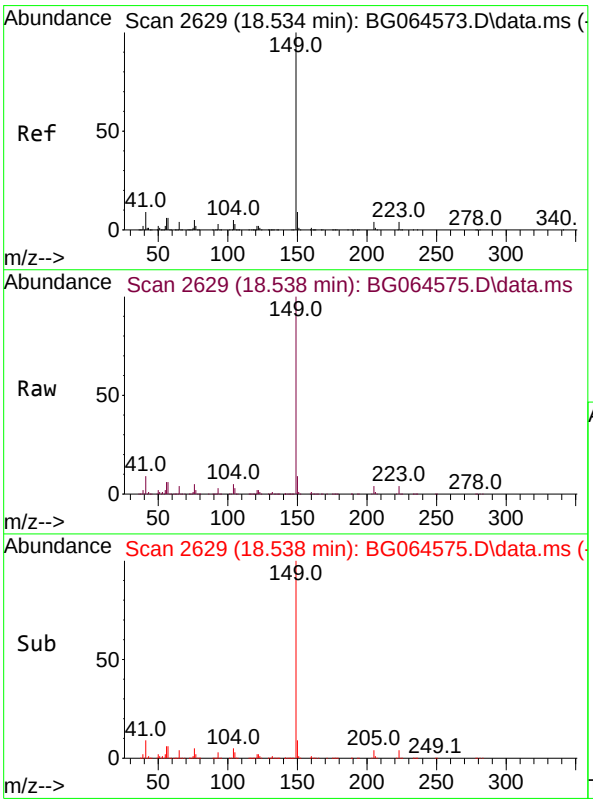
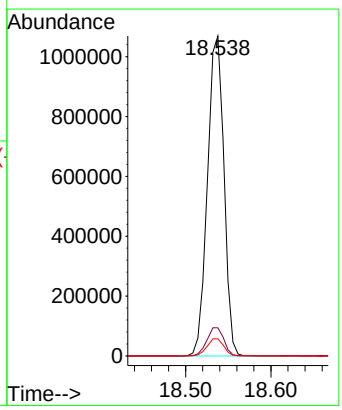
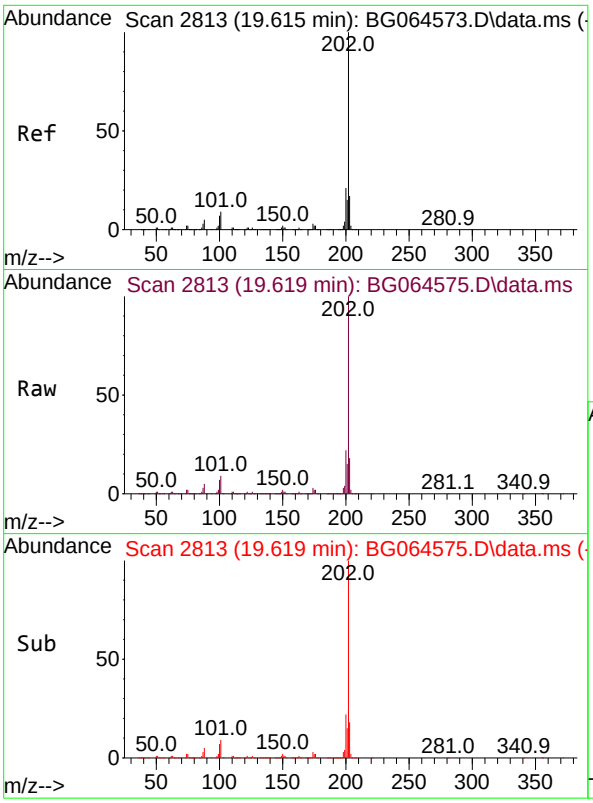


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 1433446

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

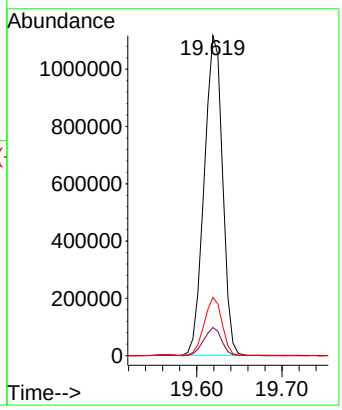




#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 166367

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	18.2	0.0	37.0



Instrument :
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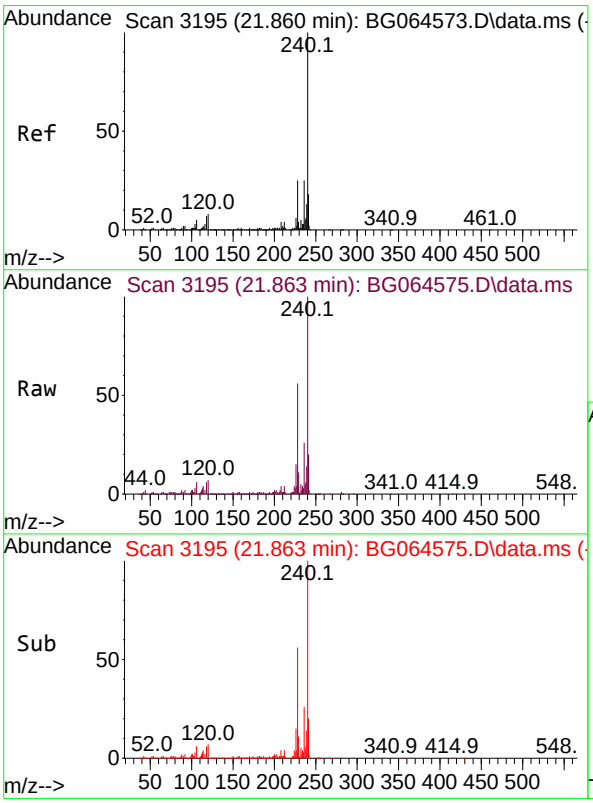
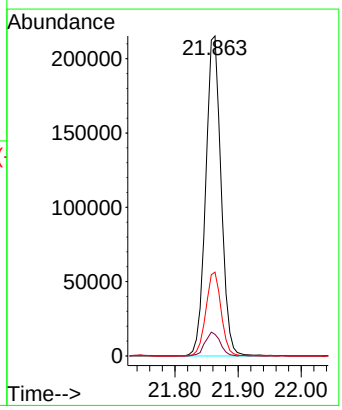
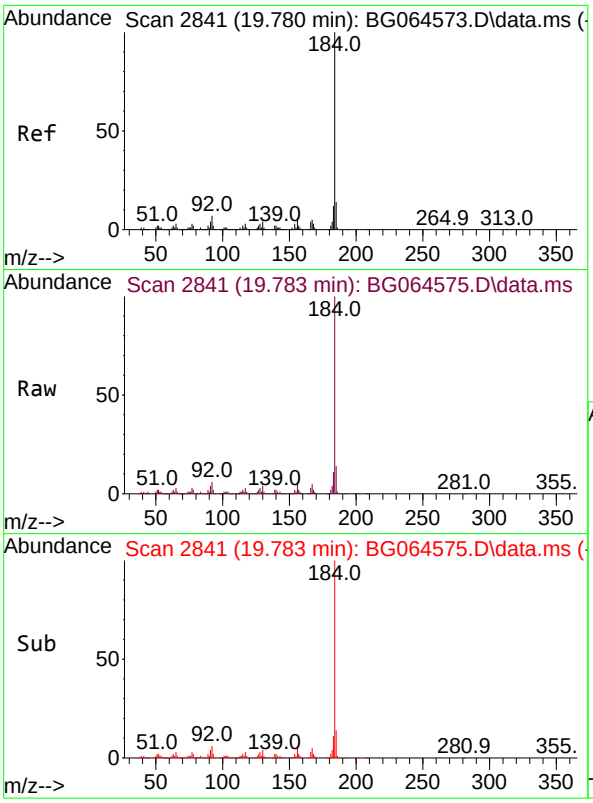


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:240 Resp: 363291

Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.5	9.7
236	26.2	20.2	30.2

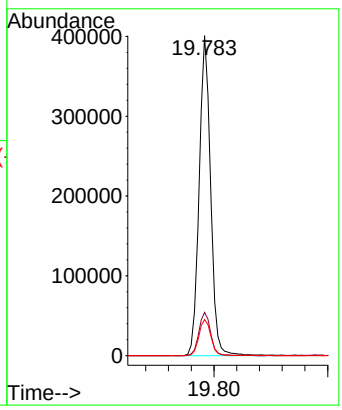




#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 55652

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	11.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
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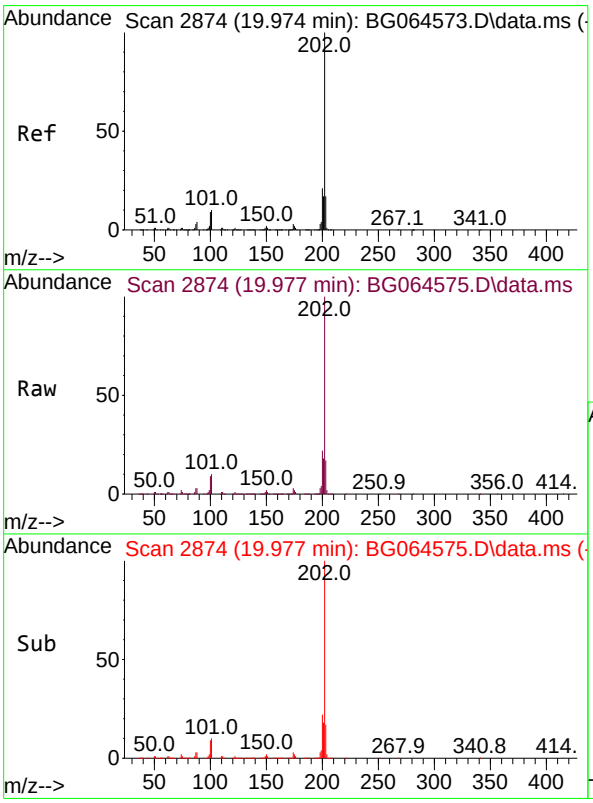
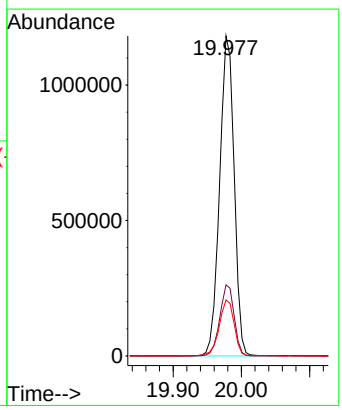
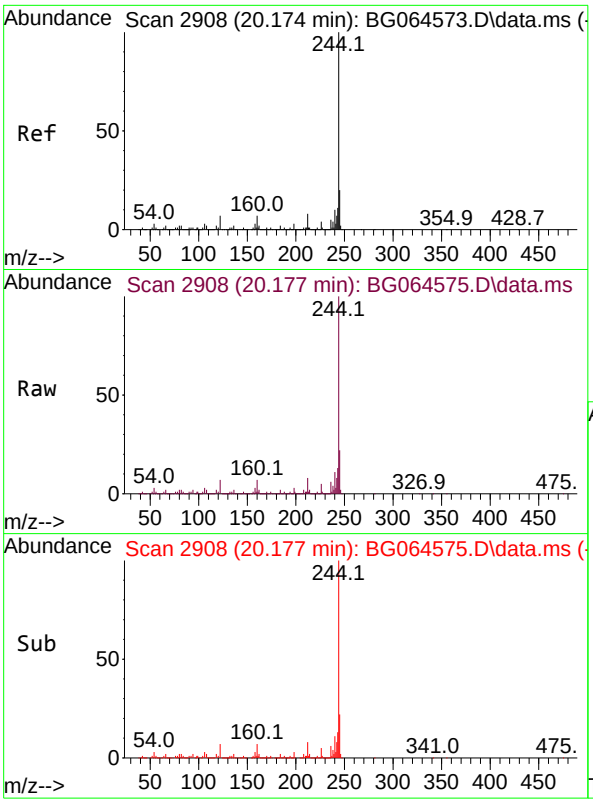


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 1737788

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.0	25.4
203	17.5	13.8	20.6





#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 29
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:244 Resp: 269749

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	7.0	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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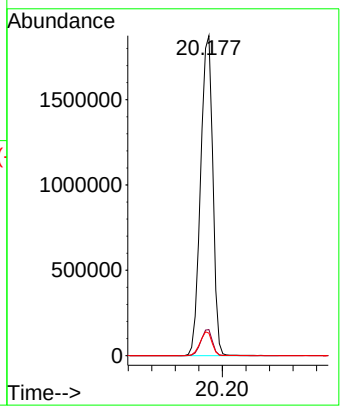
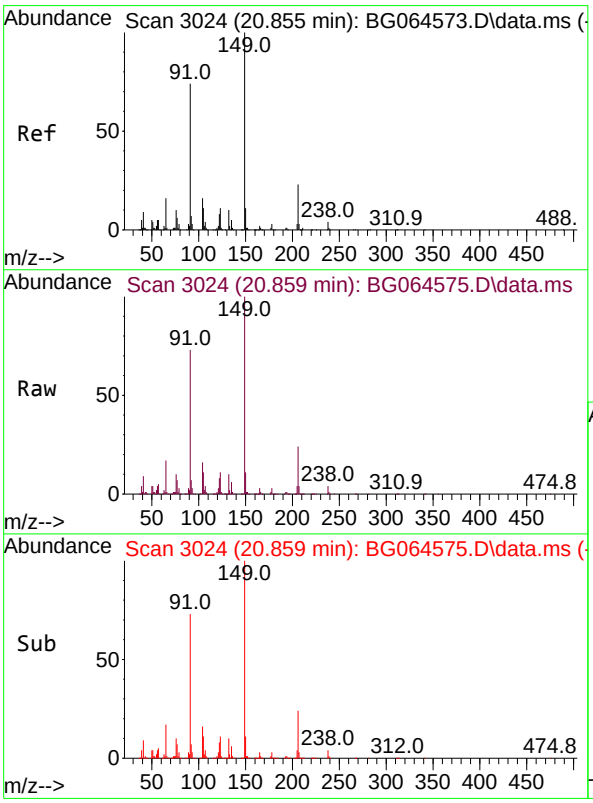
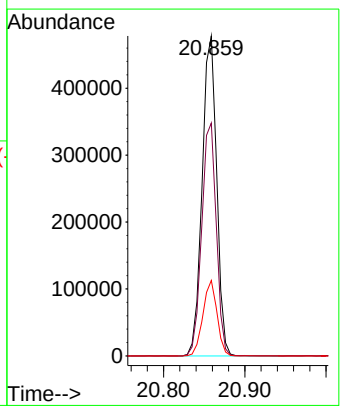


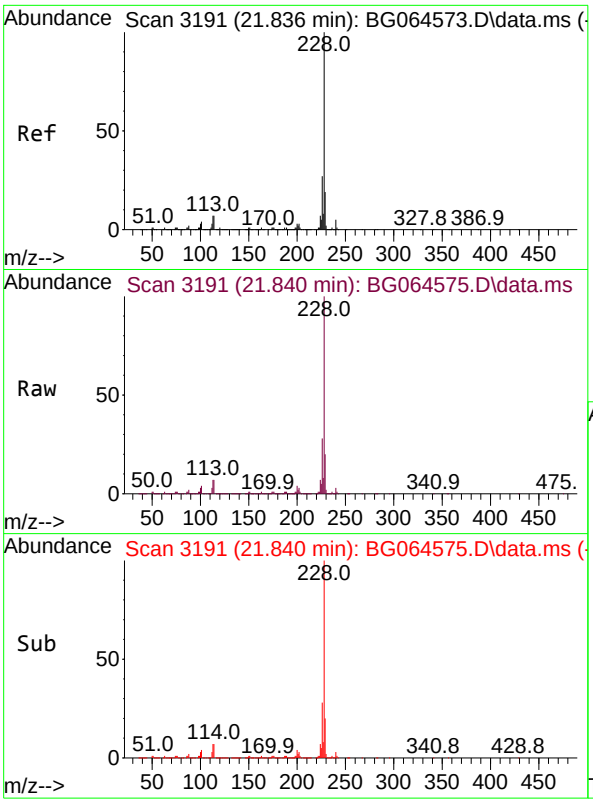


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 595333

Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.2	88.8
206	23.6	18.1	27.1

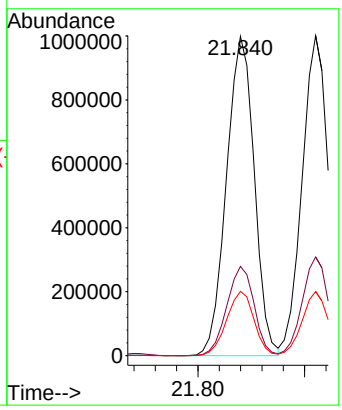




#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 180562

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
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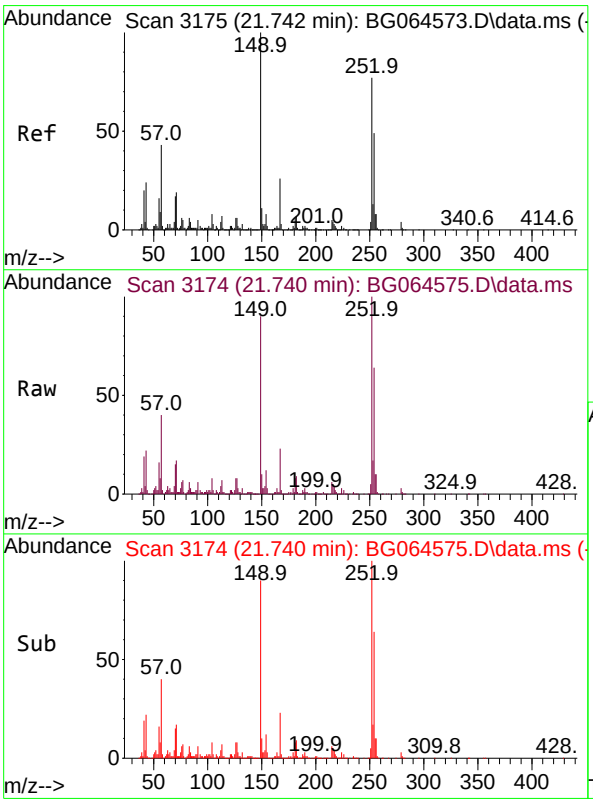
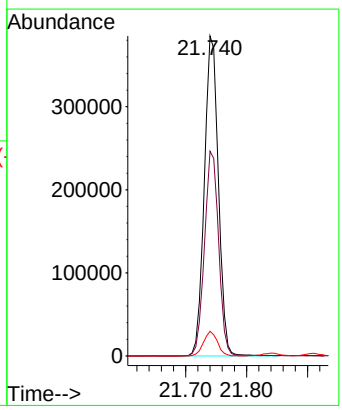
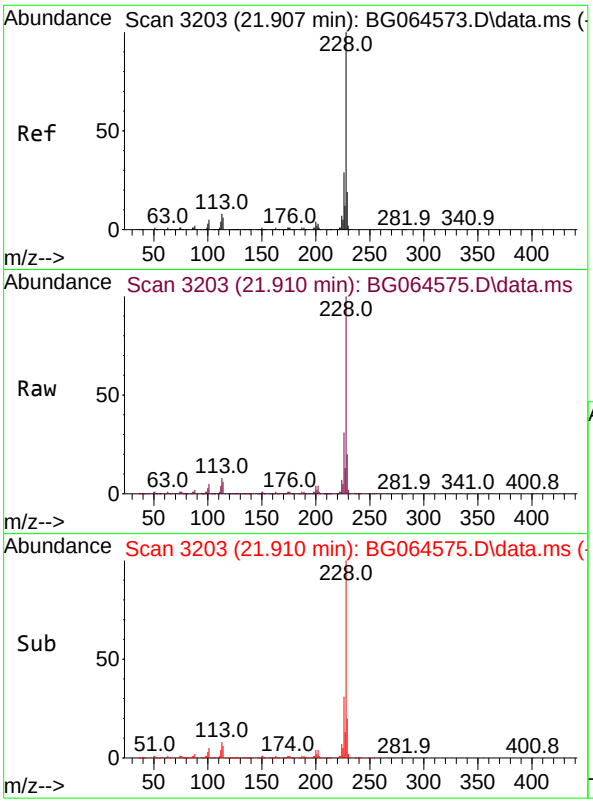


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 615546

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	7.7	5.8	8.6

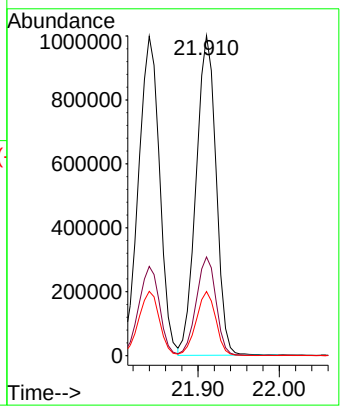




#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 170453

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	20.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
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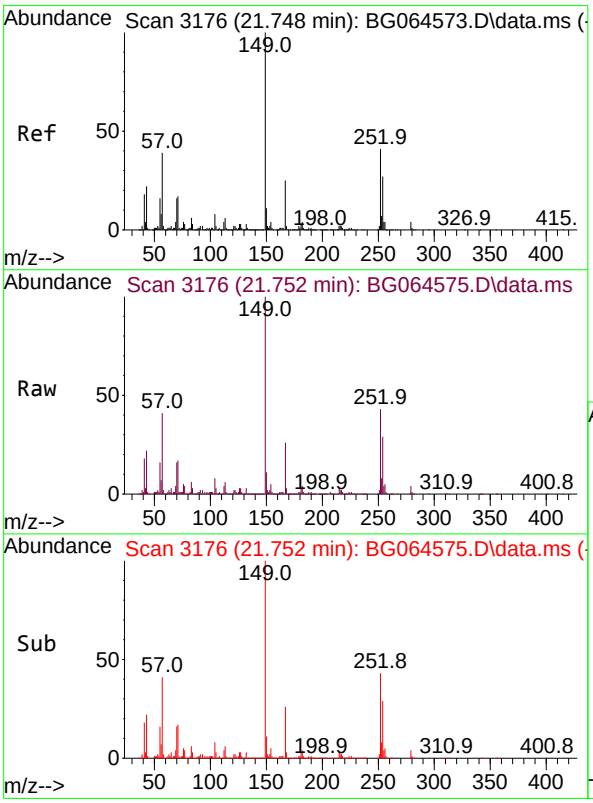
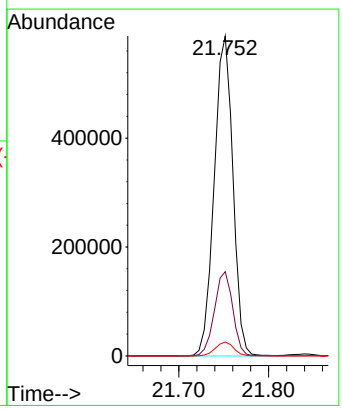
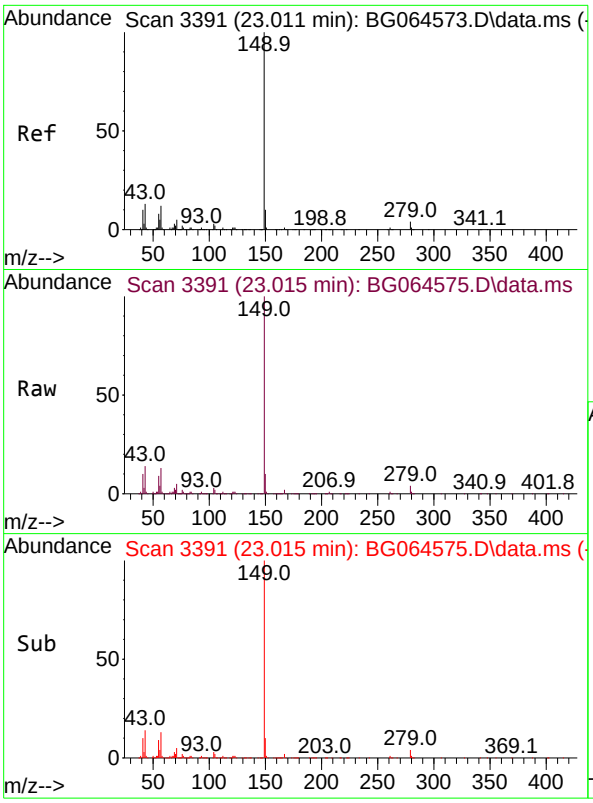


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 854027

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.0	30.0
279	4.3	3.1	4.7

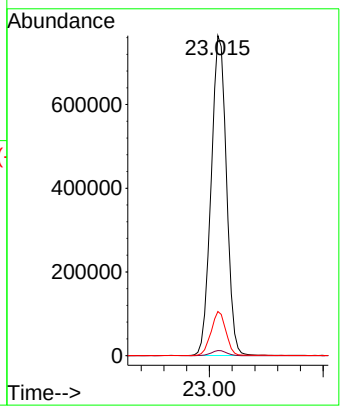




#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 143295

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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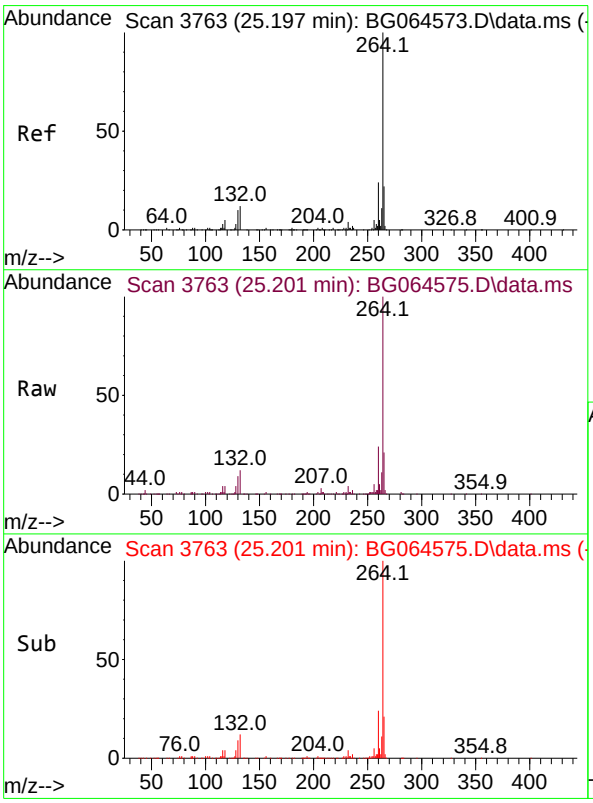
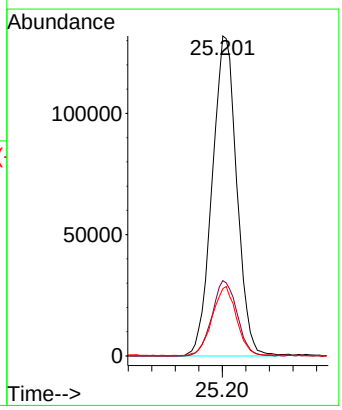
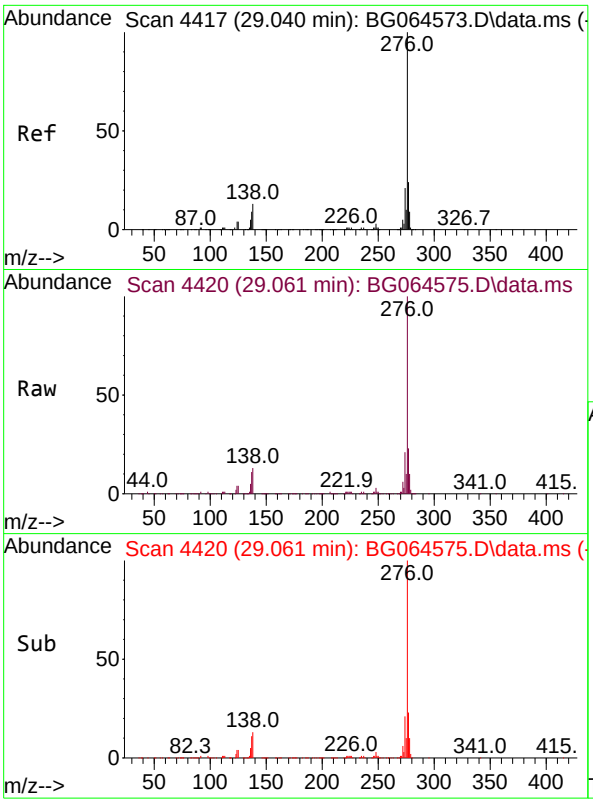


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:264 Resp: 382372

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.0	17.6	26.4

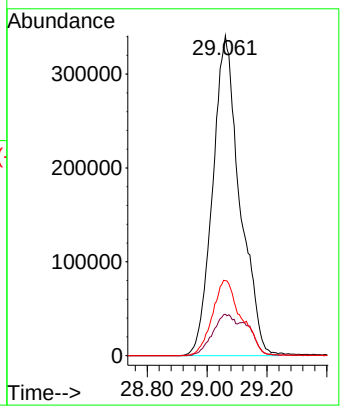




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.021 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 215642

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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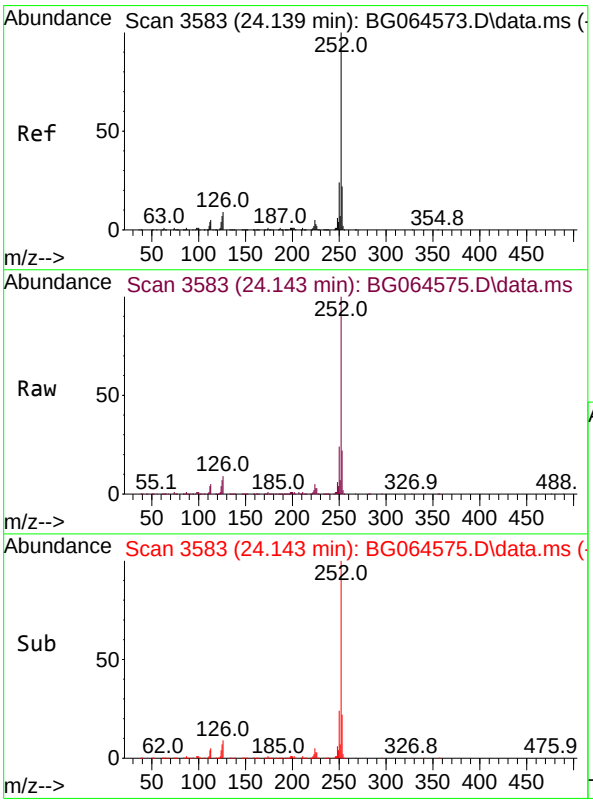
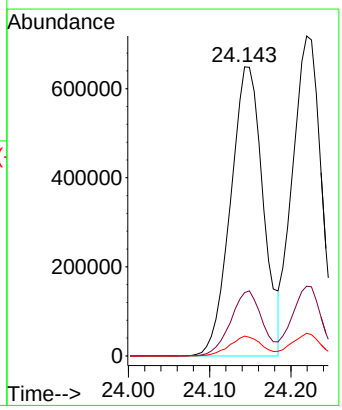
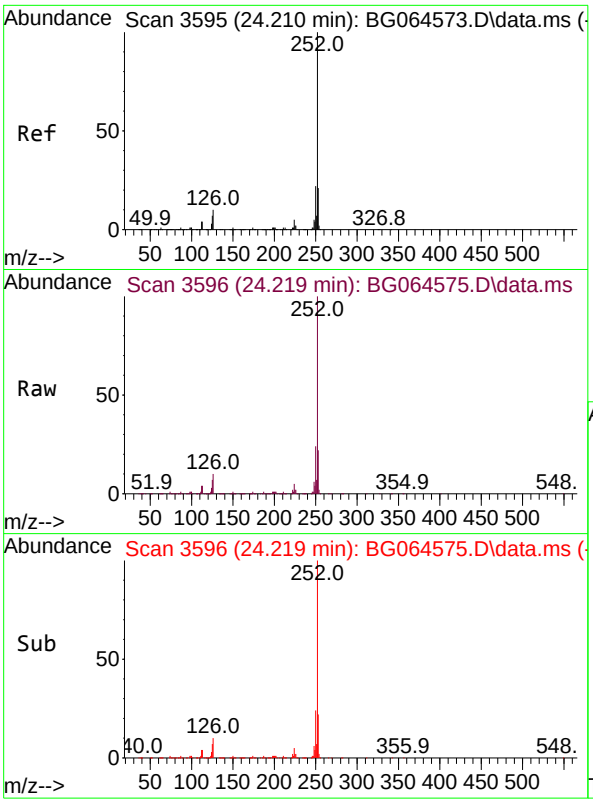


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1810094

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	5.6	8.4

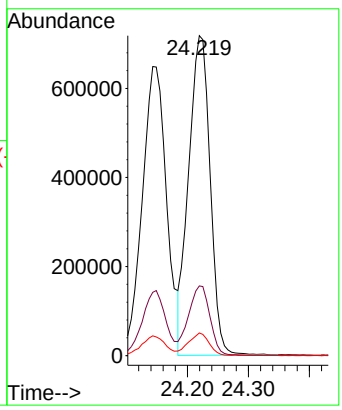




#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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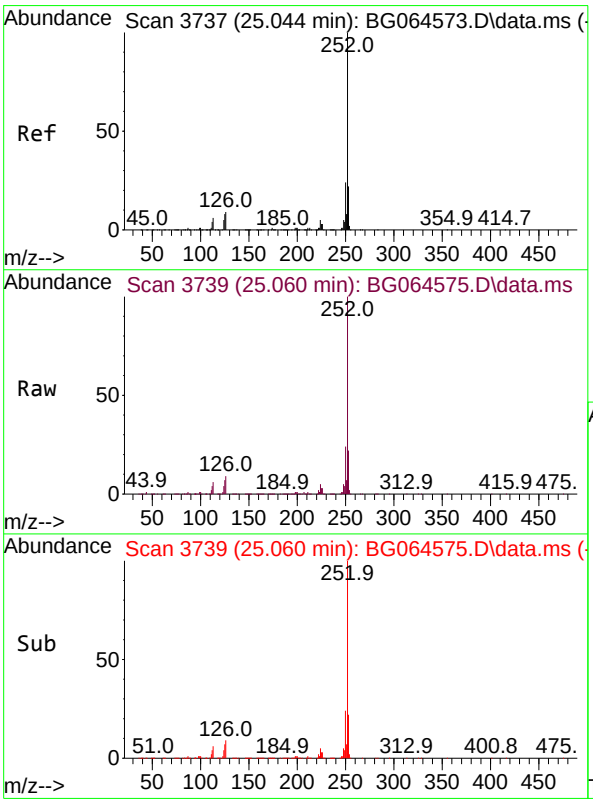
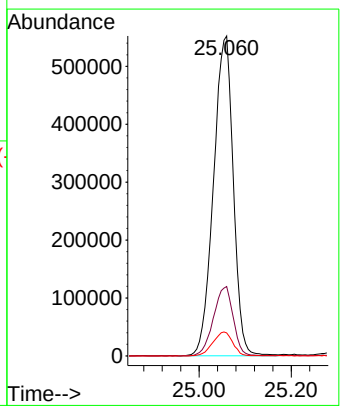
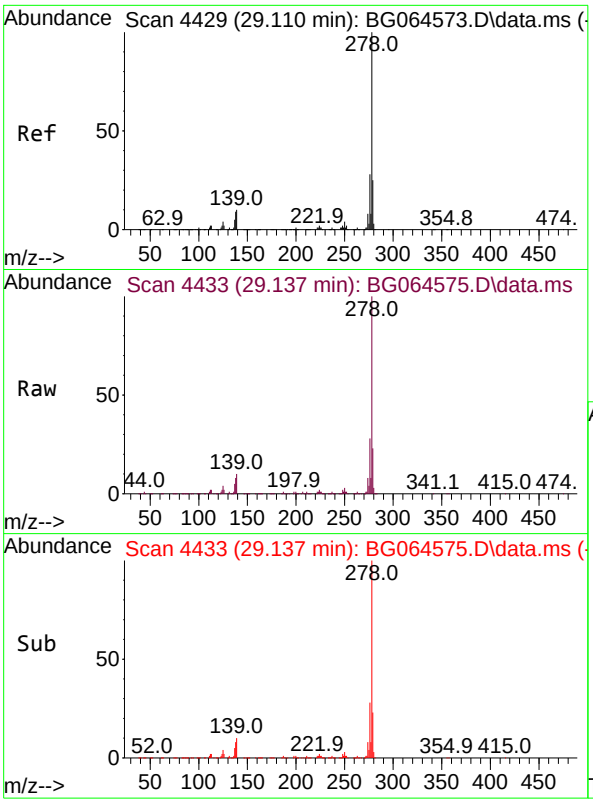


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.015 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1649779

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	7.2	6.1	9.1

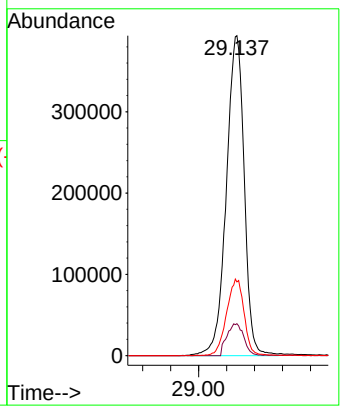




#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:278 Resp: 174789

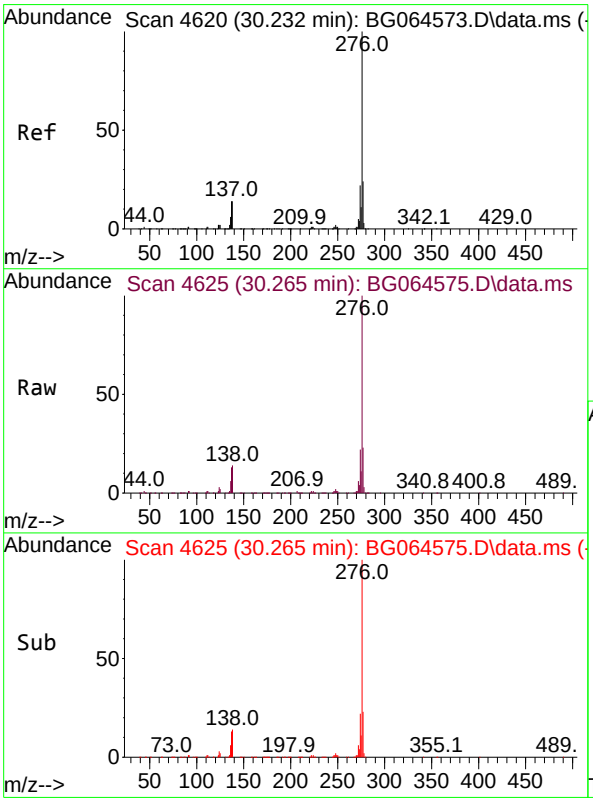
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

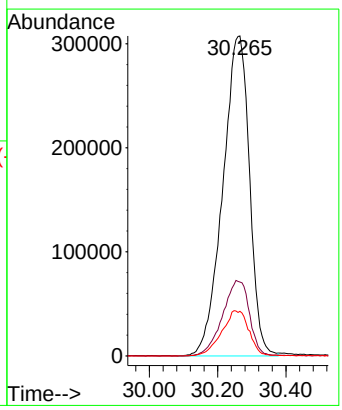
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 76.498 ng
RT: 30.265 min Scan# 4625
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 1669976

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	13.9	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng		0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng		0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng		0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng		0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng		0.00
86) Perylene-d12	25.210	264	385865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	249333	95.606	ng		0.00
7) Phenol-d6	7.354	99	349586	97.687	ng		0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng		0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng		0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng		0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng		99
3) Pyridine	3.999	79	161000	46.434	ng		96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng		92
6) Aniline	7.536	93	228687	46.963	ng		99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng		96
9) Benzaldehyde	7.343	77	91457	46.812	ng		96
10) Phenol	7.384	94	192663	48.681	ng		98
11) bis(2-Chloroethyl)ether	7.630	93	139360	47.894	ng		95
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.293	ng		93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng		96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng		99
17) 2-Methylphenol	8.653	107	126868	48.282	ng		94
18) Hexachloroethane	9.328	117	54330	48.463	ng		94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng		97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng		99
22) Acetophenone	9.046	105	234956	47.155	ng	#	100
24) Nitrobenzene	9.428	77	171837	52.060	ng		96
25) Isophorone	9.957	82	348174	47.813	ng		97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng		90
27) 2,4-Dimethylphenol	10.198	122	135402	49.988	ng		96
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng		99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng		94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng		94
31) Naphthalene	11.103	128	471891	46.695	ng		98
32) Benzoic acid	10.321	122	97970m	47.410	ng		
33) 4-Chloroaniline	11.191	127	186814	47.560	ng		98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng		98
35) Caprolactam	11.961	113	53689	48.020	ng	#	93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng		98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng		97
38) 1-Methylnaphthalene	12.913	142	342687	46.666	ng		95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng		99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng		98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng		96
46) 1,1'-Biphenyl	13.688	154	470676	46.613	ng		99
47) 2-Chloronaphthalene	13.729	162	359811	47.208	ng		99
48) 2-Nitroaniline	13.911	65	121908	47.668	ng		92
49) Acenaphthylene	14.569	152	565771	47.060	ng		99
50) Dimethylphthalate	14.293	163	519303	47.781	ng		99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306	ng		99
52) Acenaphthene	14.910	154	388012	47.239	ng		99
53) 3-Nitroaniline	14.734	138	99748	53.405	ng		96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268	ng		89
55) Dibenzofuran	15.239	168	615553	46.355	ng		99
56) 4-Nitrophenol	15.016	139	88609	51.169	ng		95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	#	99
58) Fluorene	15.891	166	481625	46.441	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng		99
60) Diethylphthalate	15.650	149	527594	47.543	ng		100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng		98
62) 4-Nitroaniline	15.891	138	110067	52.970	ng		98
63) Azobenzene	16.168	77	475203	46.671	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng		95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng		99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng		96
68) Hexachlorobenzene	16.890	284	223018	48.043	ng		94
69) Atrazine	17.025	200	187862	47.066	ng		96
70) Pentachlorophenol	17.225	266	147427	50.930	ng		95
71) Phenanthrene	17.625	178	875415	46.621	ng		99
72) Anthracene	17.719	178	893629	46.785	ng		99
73) Carbazole	17.977	167	781031	46.370	ng		100
74) Di-n-butylphthalate	18.535	149	930281	47.762	ng		100
75) Fluoranthene	19.622	202	1092855	46.459	ng		99
77) Benzidine	19.787	184	382418	46.435	ng		100
78) Pyrene	19.981	202	1133345	47.190	ng		99
80) Butylbenzylphthalate	20.856	149	374611	51.609	ng		100
81) Benzo(a)anthracene	21.843	228	1151242	47.234	ng		99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng		97
83) Chrysene	21.908	228	1091456	47.062	ng		98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng		98
85) Di-n-octyl phthalate	23.018	149	896763	49.039	ng		99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng		97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng		100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng		98
90) Benzo(a)pyrene	25.051	252	1029605	47.339	ng		99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng		99
92) Benzo(g,h,i)perylene	30.245	276	1039447	47.184	ng		99

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

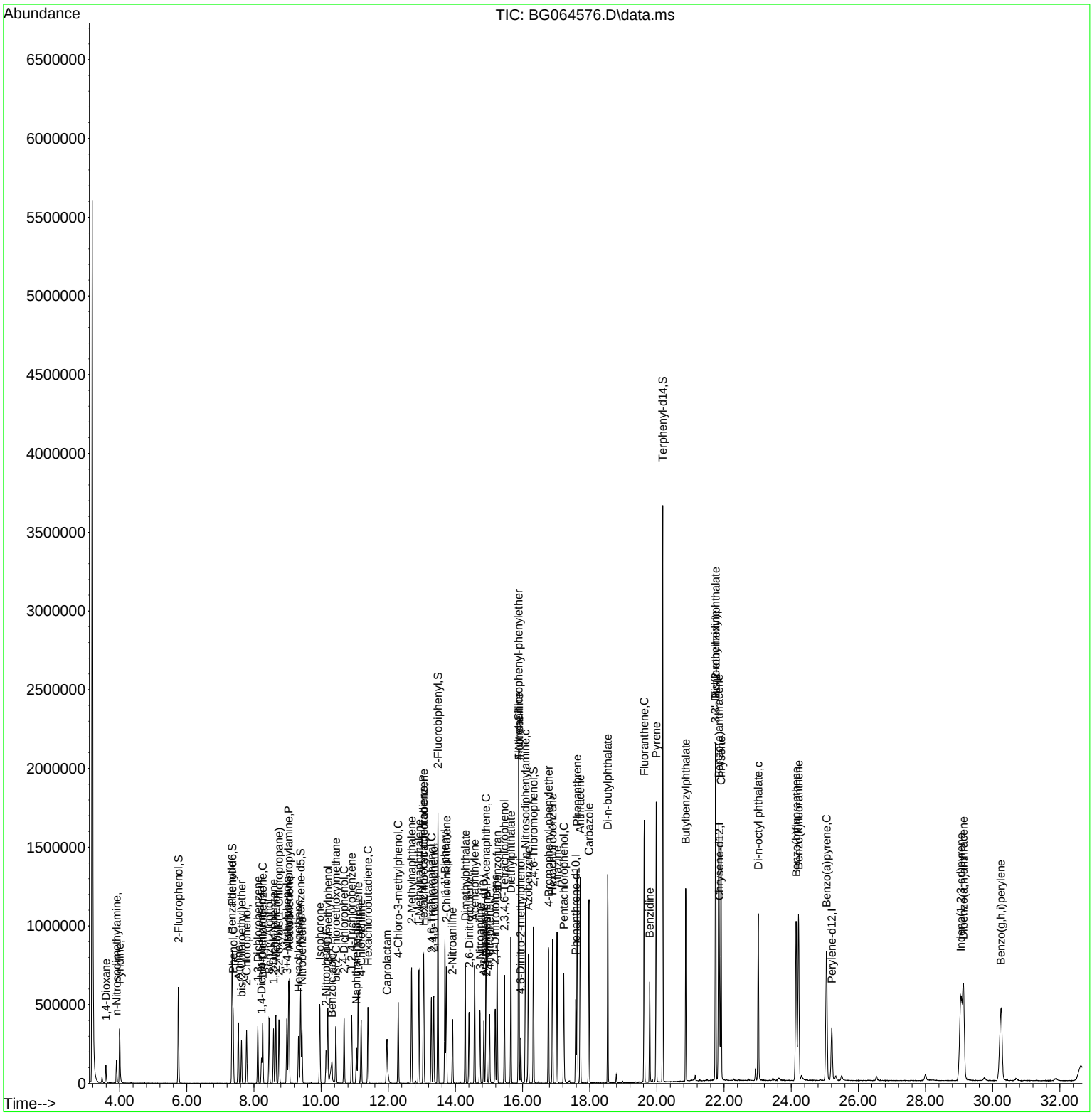
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

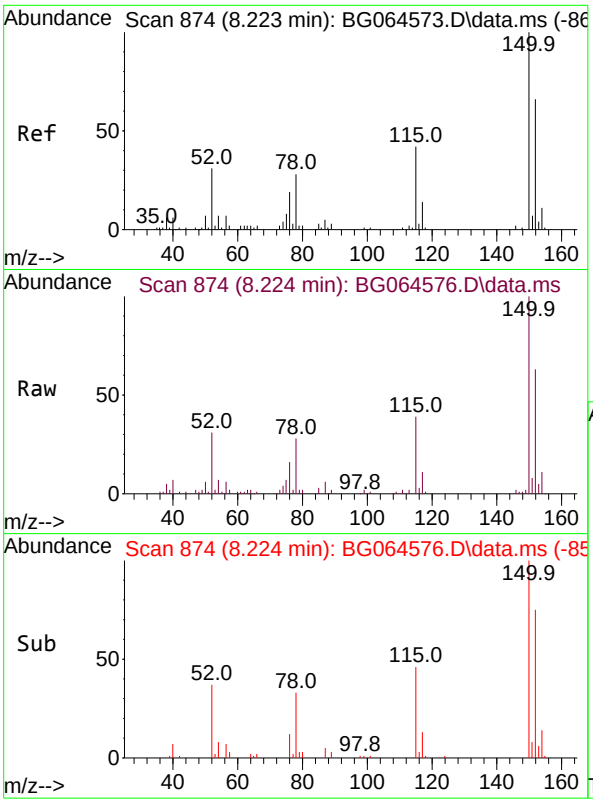
Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

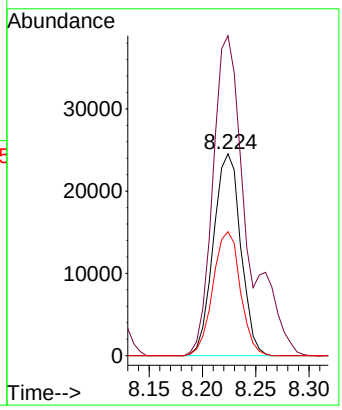




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 4377

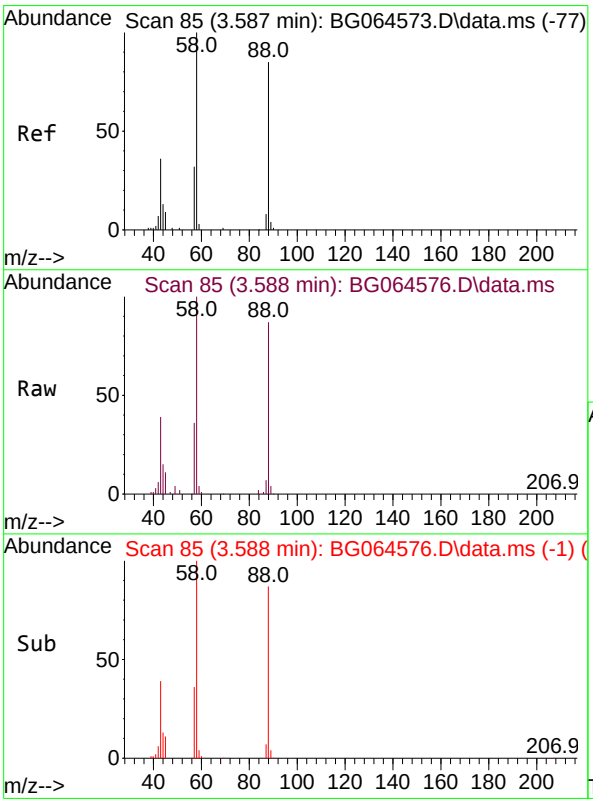
Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

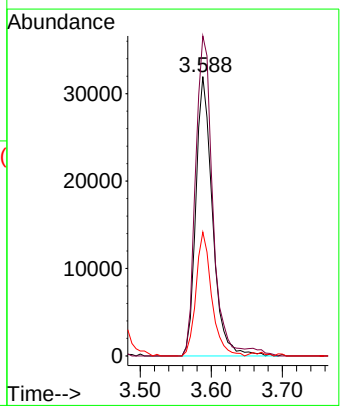
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

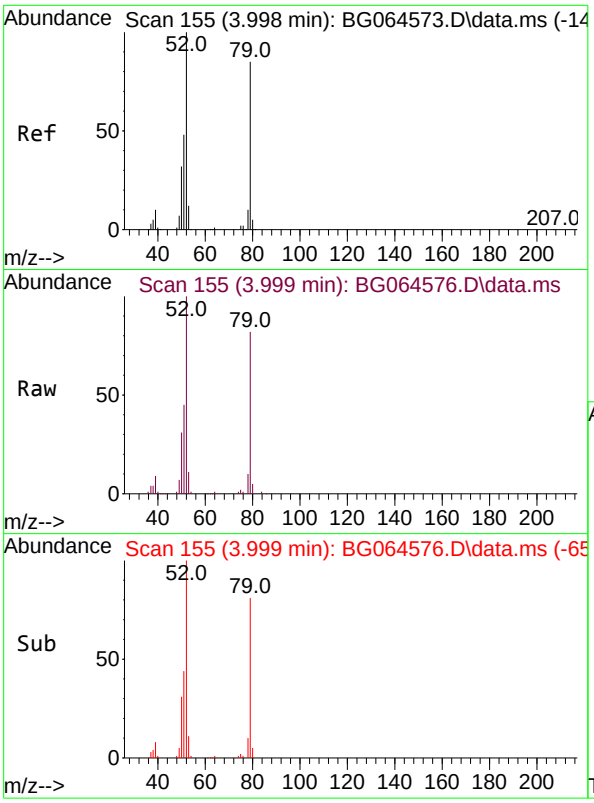


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 88 Resp: 51872

Ion	Ratio	Lower	Upper
88	100		
58	116.7	92.4	138.6
43	41.6	33.0	49.6





#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

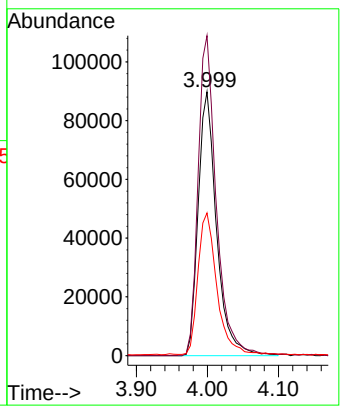
Tgt Ion: 79 Resp: 16100

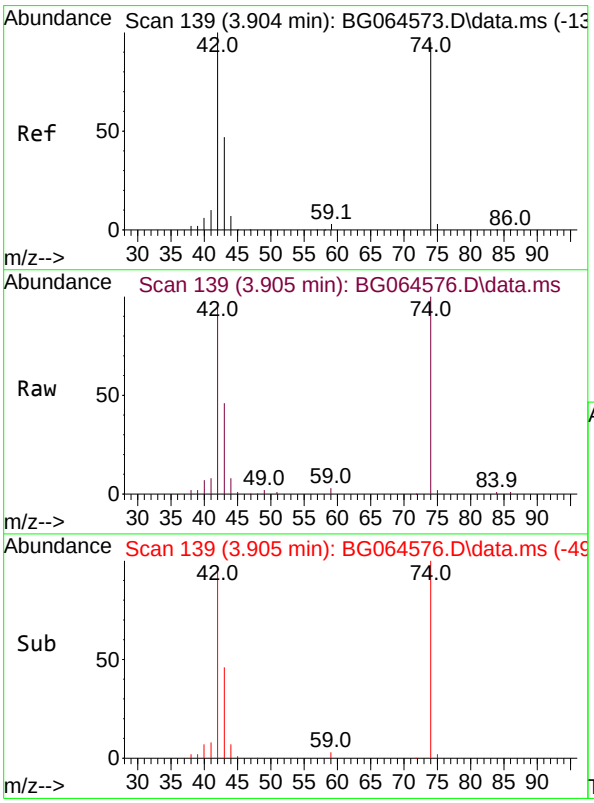
Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

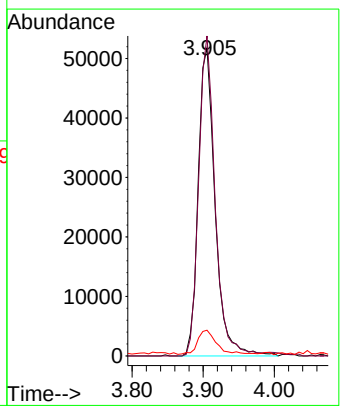


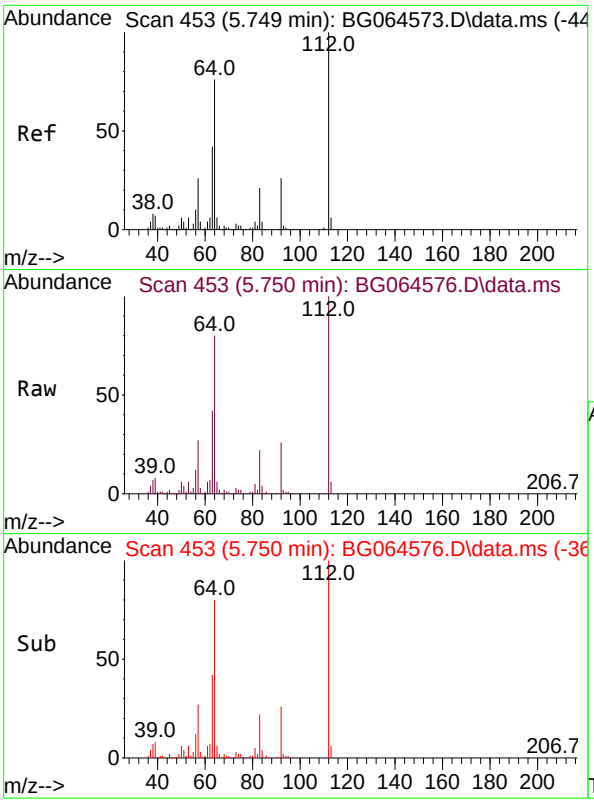


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 42 Resp: 85377

Ion	Ratio	Lower	Upper
42	100		
74	103.9	76.1	114.1
44	8.4	6.3	9.5





#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

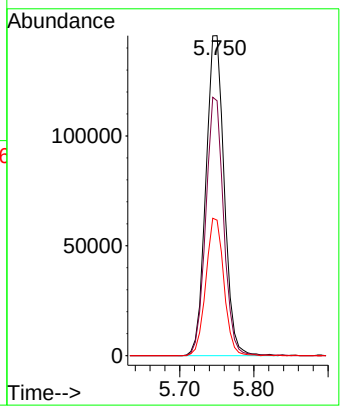
Tgt Ion:112 Resp: 24933

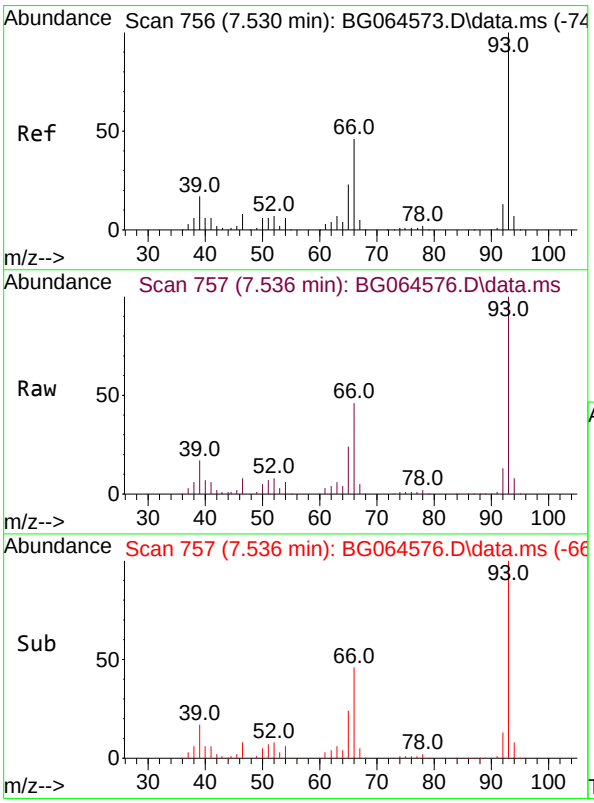
Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

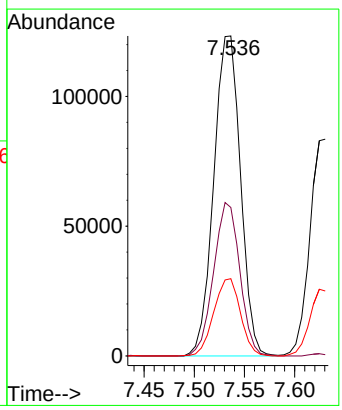


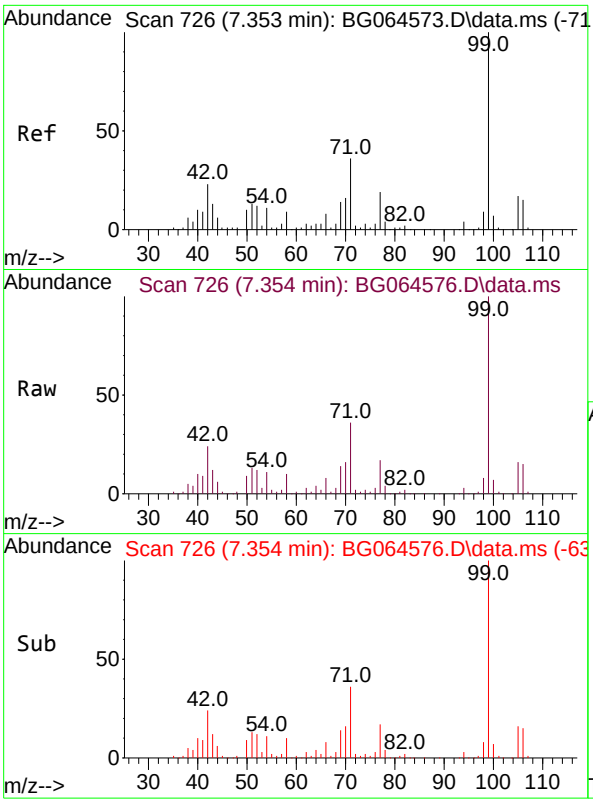


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687

Ion	Ratio	Lower	Upper
93	100		
66	46.4	37.0	55.6
65	24.1	18.3	27.5

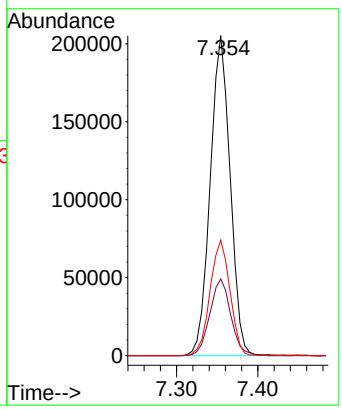




#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 99 Resp: 34958

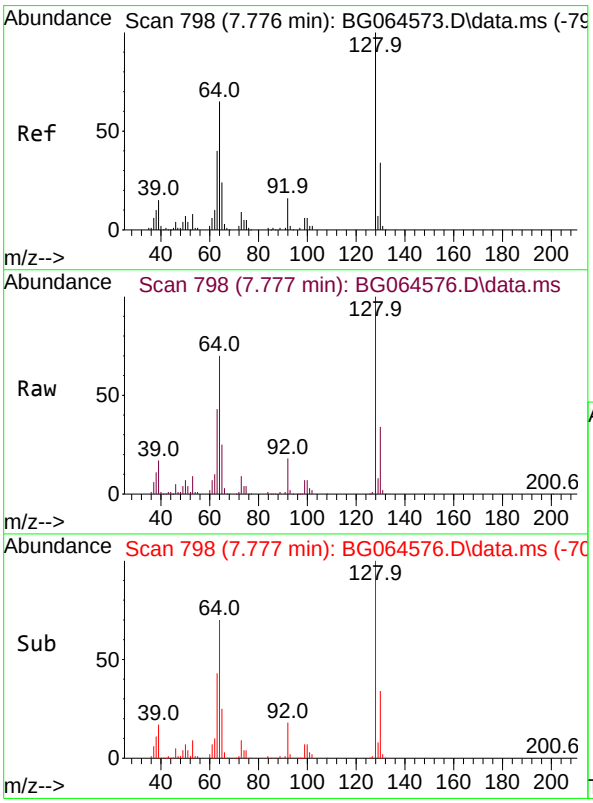
Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	36.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

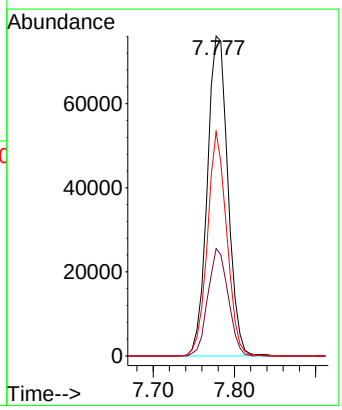
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

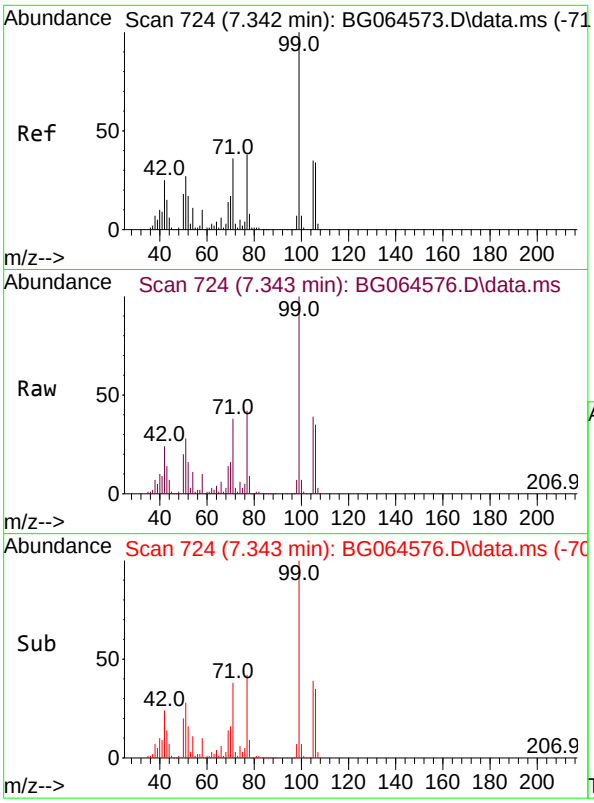


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 134062

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	70.0	45.2	85.2

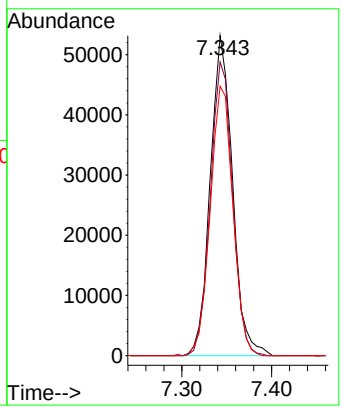




#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 9145

Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
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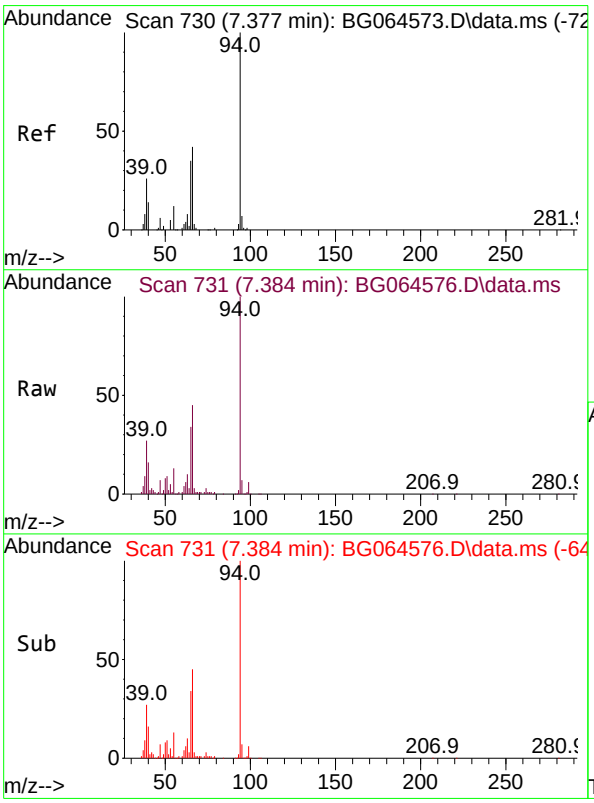
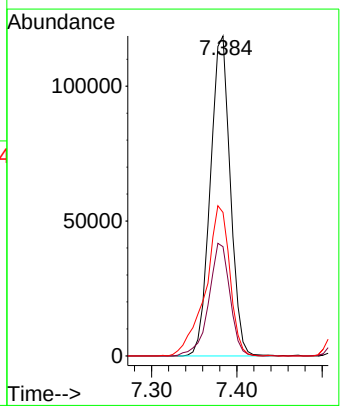
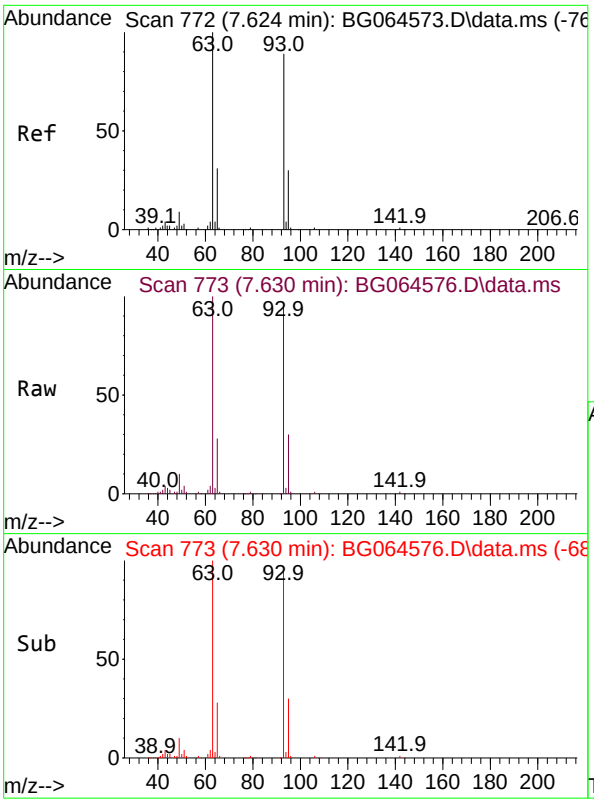


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 94 Resp: 192663

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	44.8	24.0	64.0

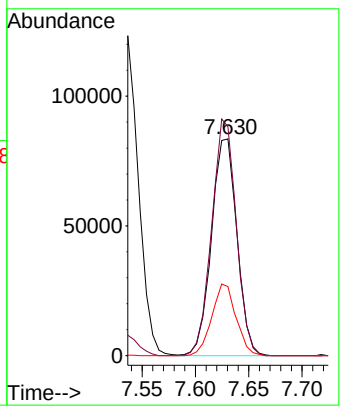




#11
bis(2-Chloroethyl)ether
Concen: 47.894 ng
RT: 7.630 min Scan# 7
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 13936

Ion	Ratio	Lower	Upper
93	100		
63	105.5	91.3	131.3
95	31.8	13.3	53.3



Instrument :
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ClientSampleId :
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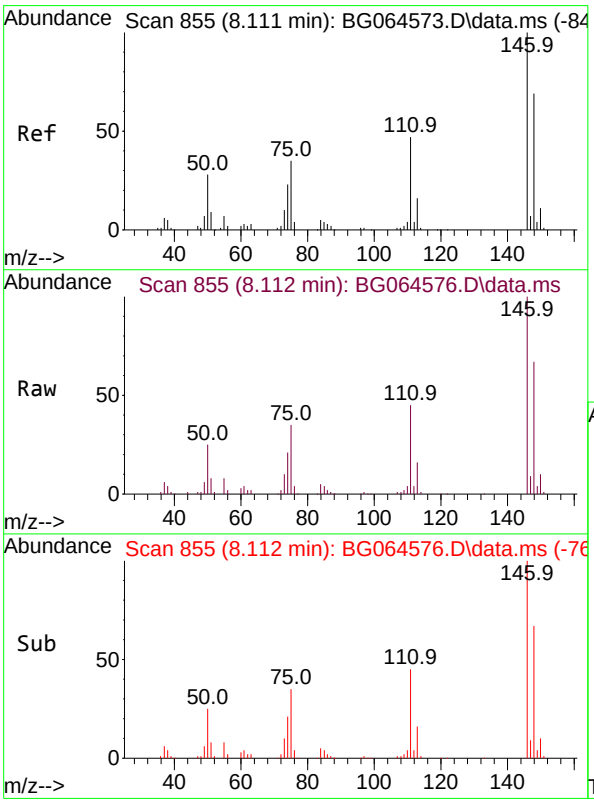
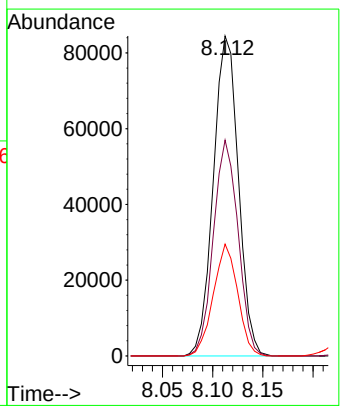
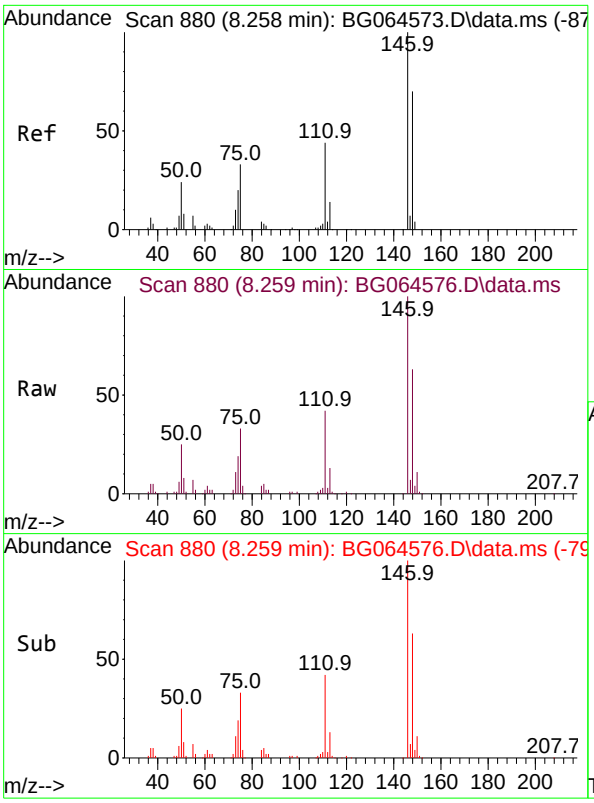


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 146905

Ion	Ratio	Lower	Upper
146	100		
148	67.4	55.3	82.9
75	34.9	28.2	42.2

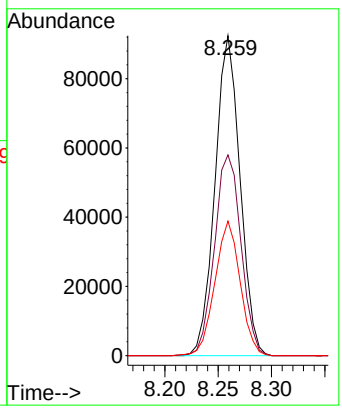




#13
1,4-Dichlorobenzene
Concen: 47.293 ng
RT: 8.259 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 15108

Ion	Ratio	Lower	Upper
146	100		
148	62.7	56.2	84.4
111	42.0	35.4	53.0



Instrument :
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ClientSampleId :
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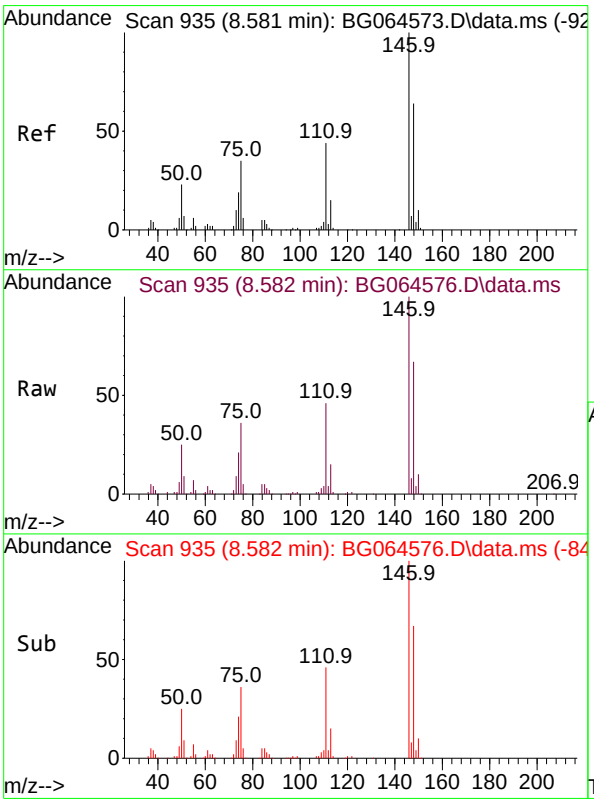
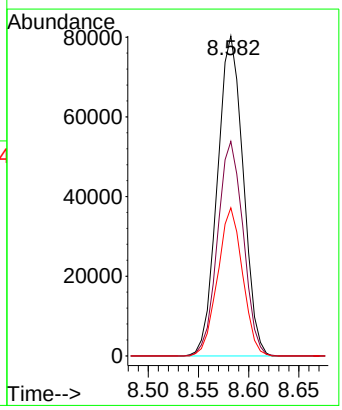
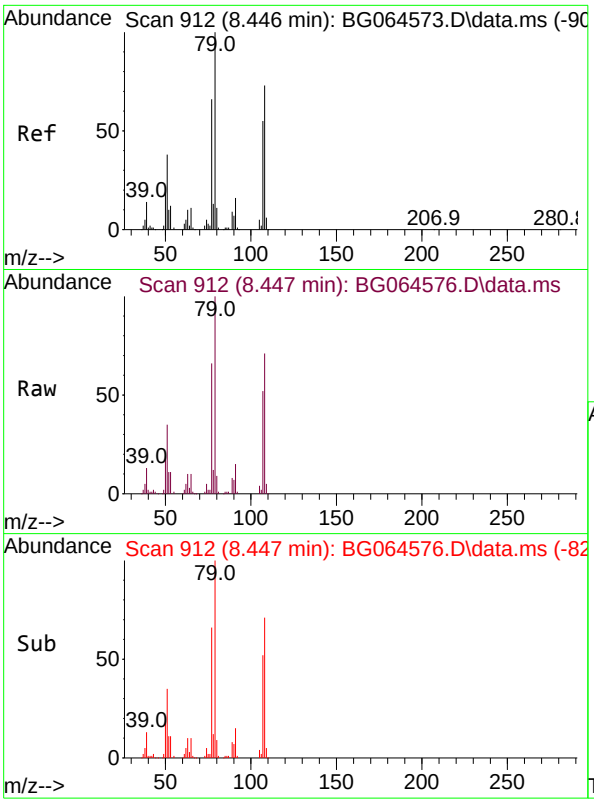


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 143986

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.5	77.3
111	46.3	35.0	52.6

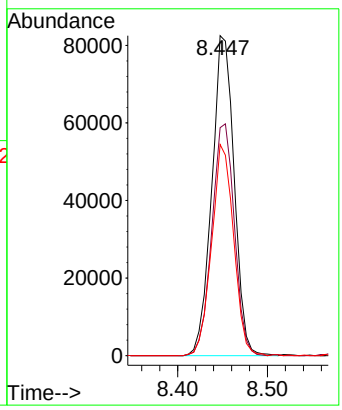




#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 14288

Ion	Ratio	Lower	Upper
79	100		
108	71.2	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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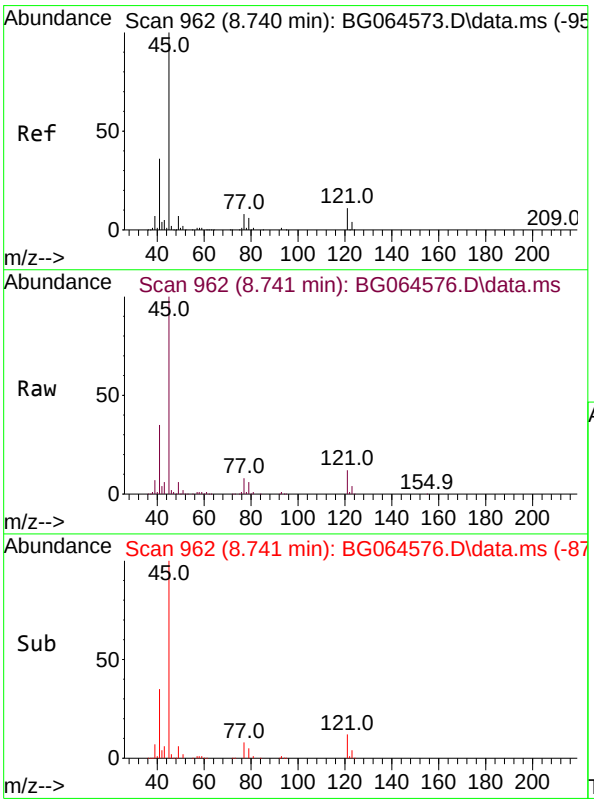
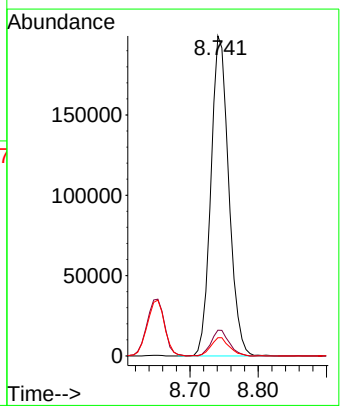
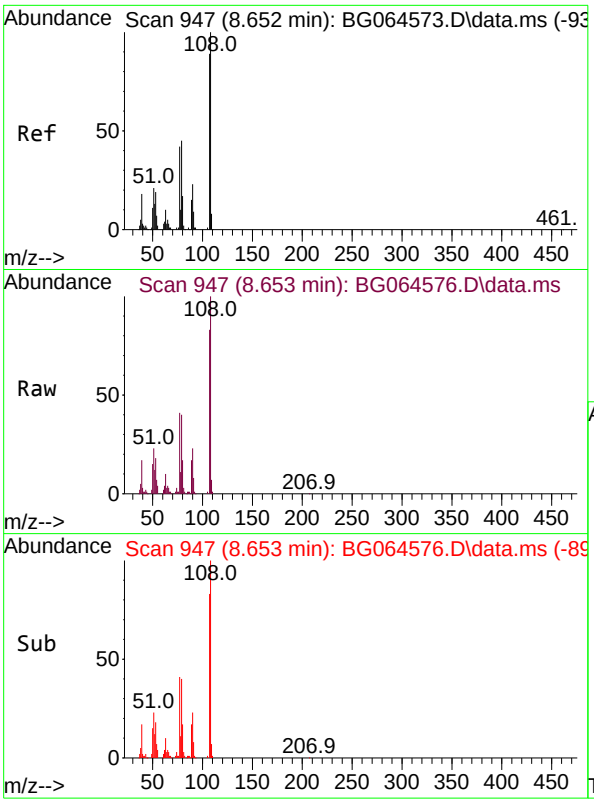


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 45 Resp: 361264

Ion	Ratio	Lower	Upper
45	100		
77	8.0	0.0	28.5
79	5.7	0.0	25.6

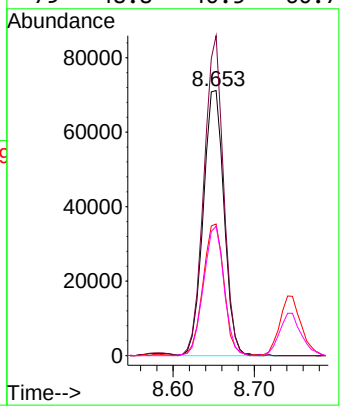




#17
2-Methylphenol
Concen: 48.282 ng
RT: 8.653 min Scan# 94
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 12686

Ion	Ratio	Lower	Upper
107	100		
108	120.8	90.0	135.0
77	49.7	37.8	56.8
79	48.8	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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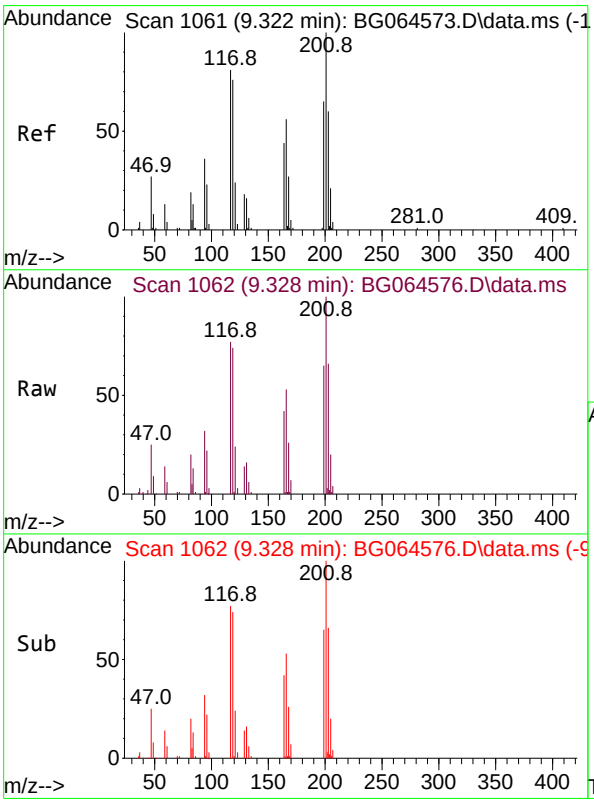
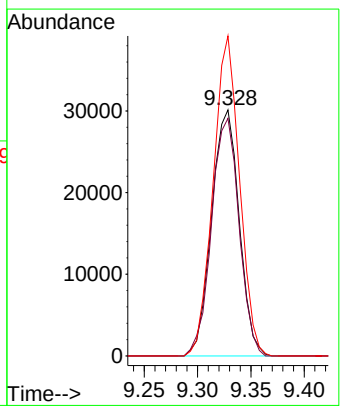
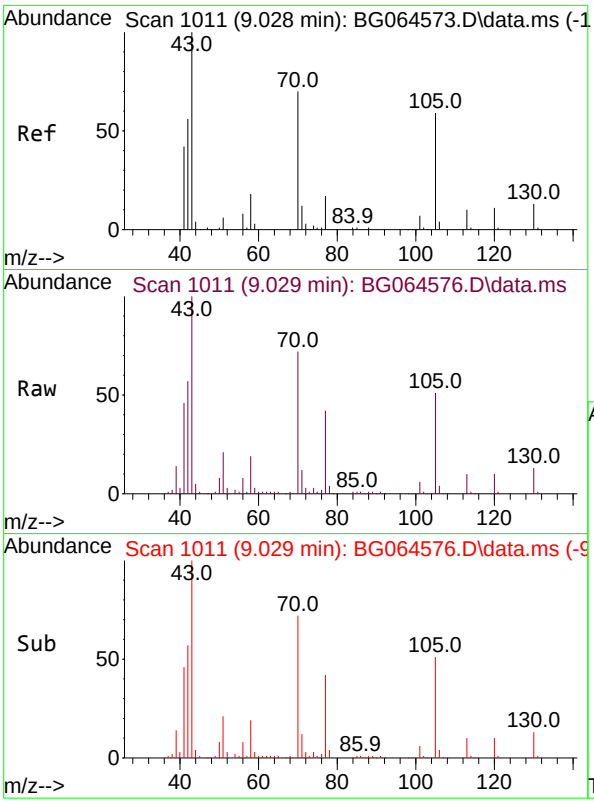


#18
Hexachloroethane
Concen: 48.463 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:117 Resp: 54330

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.4	113.2
201	134.0	99.2	148.8

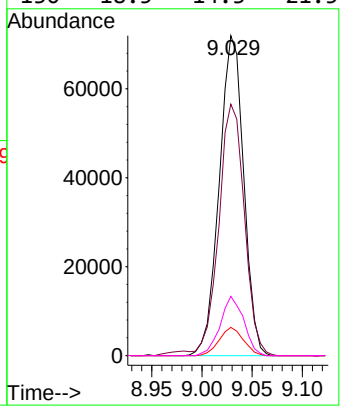




#19
n-Nitroso-di-n-propylamine
Concen: 49.350 ng
RT: 9.029 min Scan# 10
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 70 Resp: 12205

Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	8.8	7.9	11.9
130	18.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
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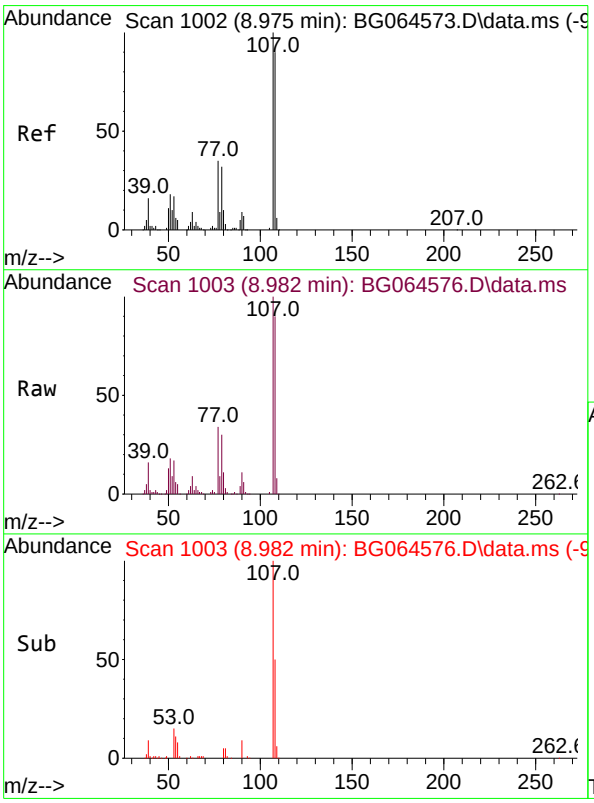
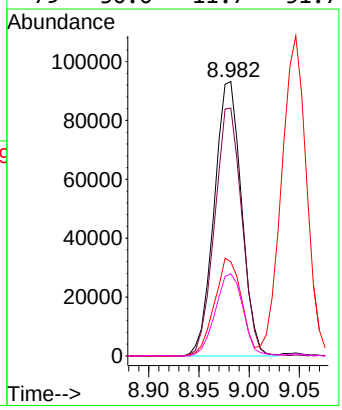
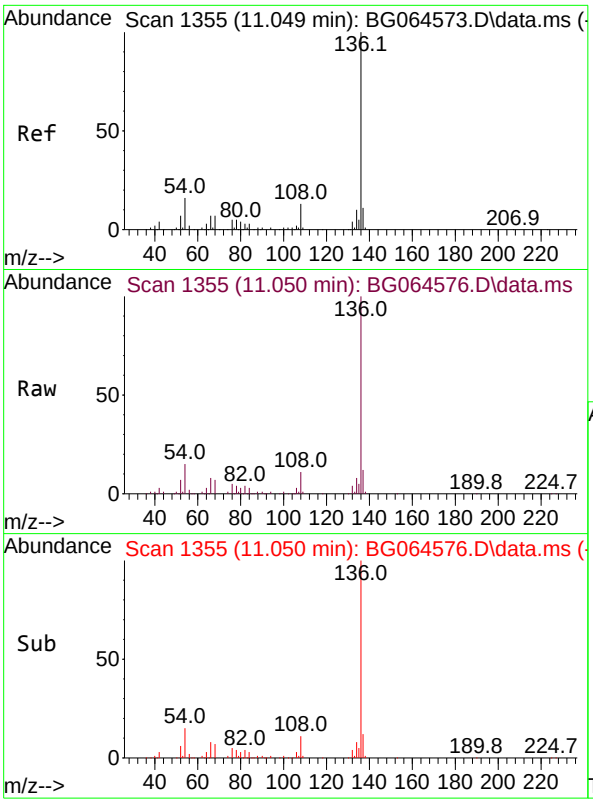


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.3	110.3
77	34.2	14.6	54.6
79	30.0	11.7	51.7

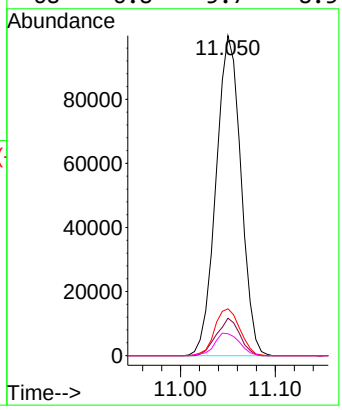




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:136 Resp: 18227

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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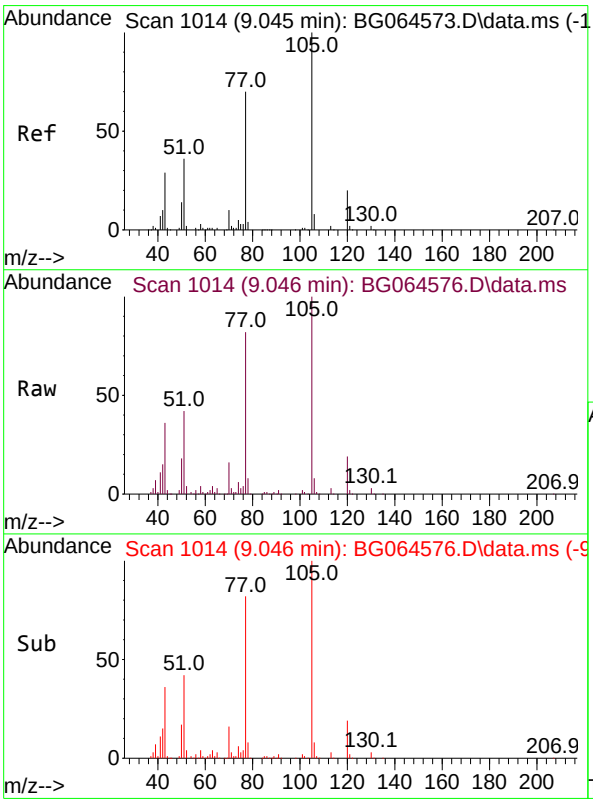
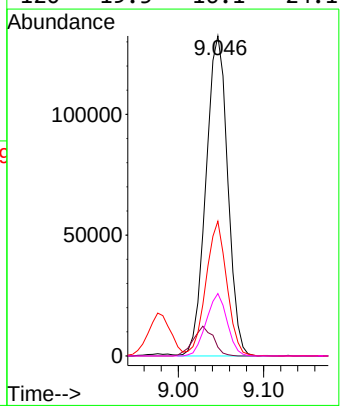
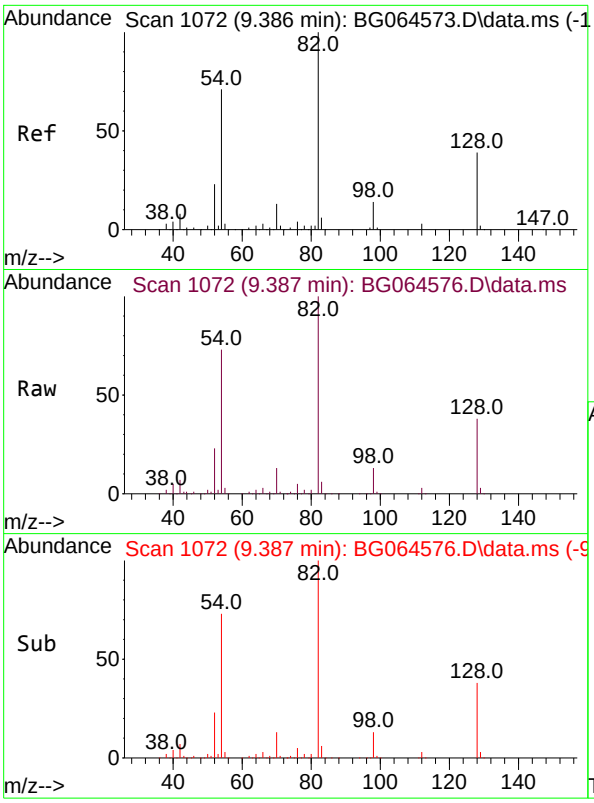


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	42.1	33.7	50.5
120	19.5	16.1	24.1

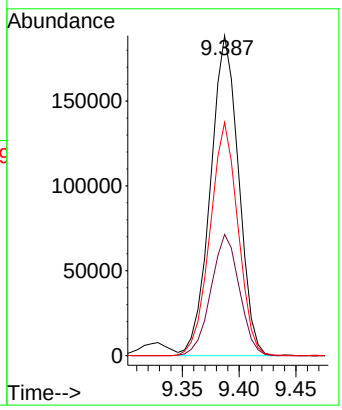




#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 10
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 324249

Ion	Ratio	Lower	Upper
82	100		
128	37.9	31.3	46.9
54	72.9	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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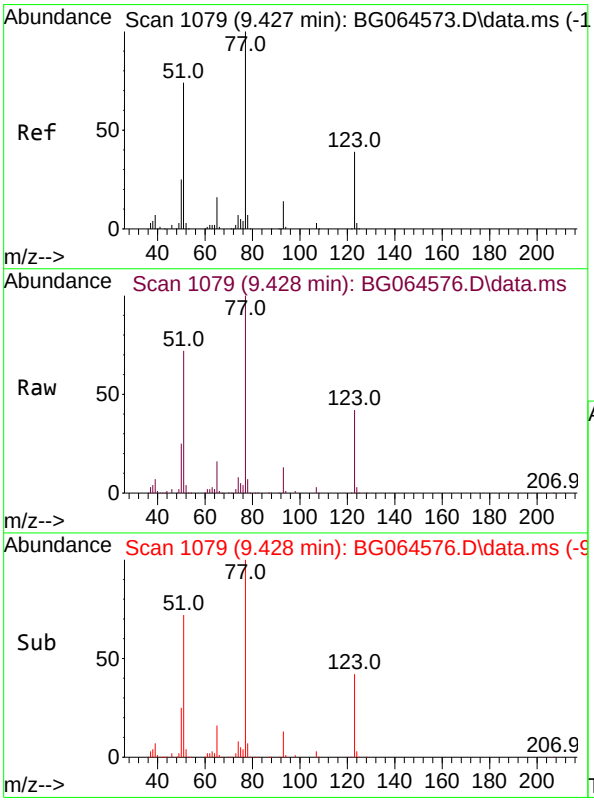
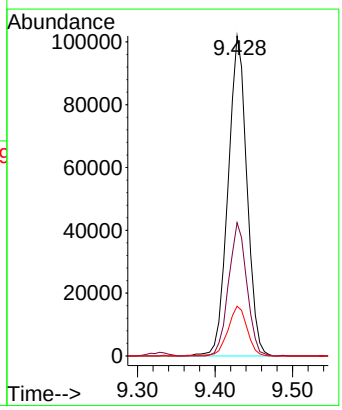
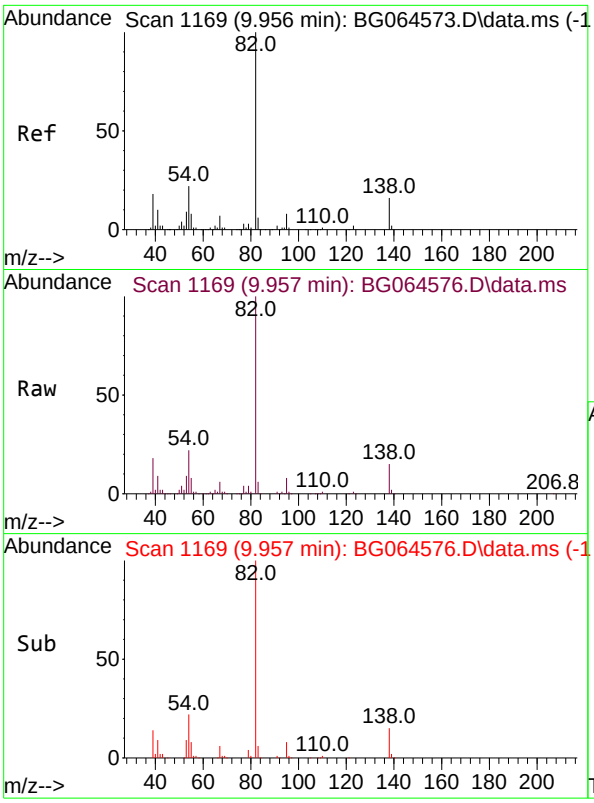


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 171837

Ion	Ratio	Lower	Upper
77	100		
123	41.6	31.0	46.6
65	15.5	12.7	19.1

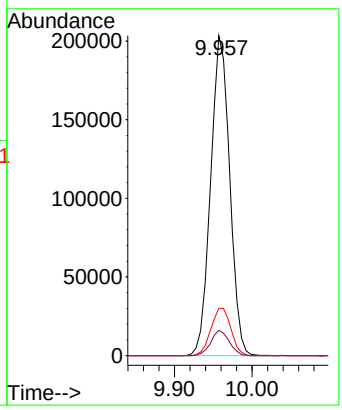




#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 34817

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	14.8	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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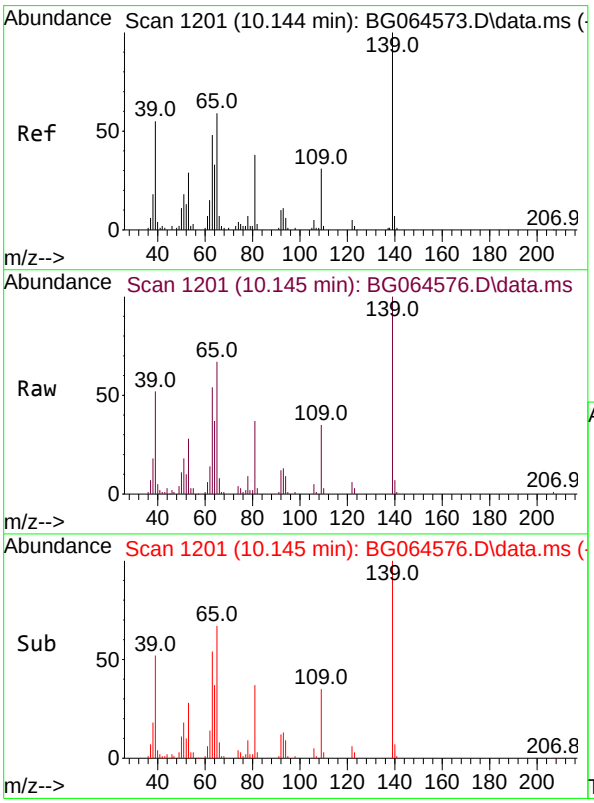
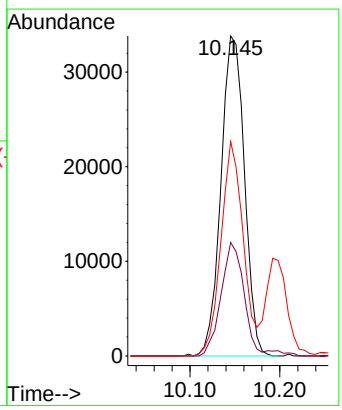
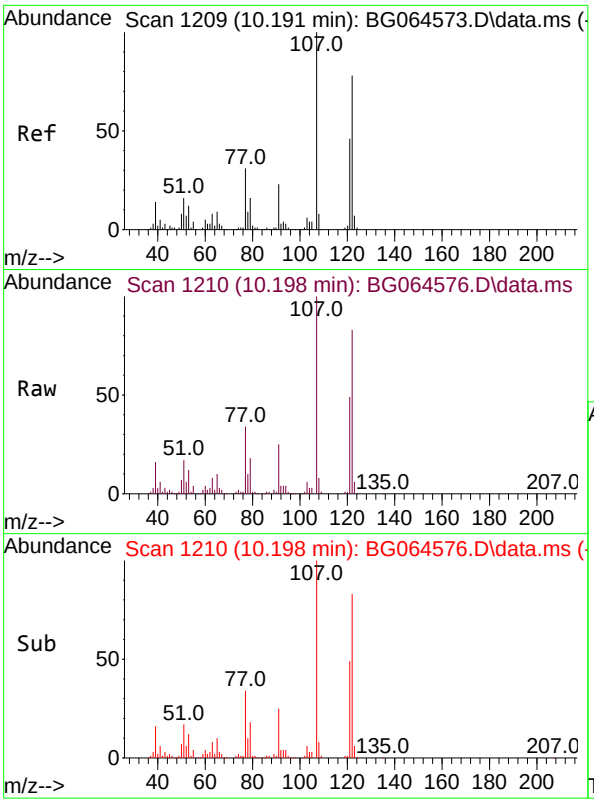


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 61611

Ion	Ratio	Lower	Upper
139	100		
109	35.4	24.6	37.0
65	67.0	47.5	71.3

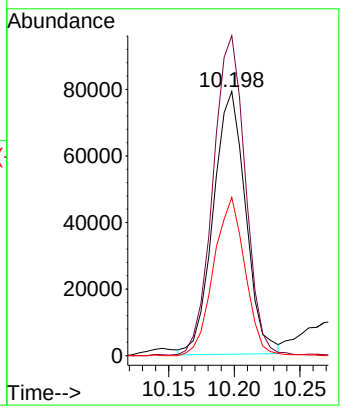




#27
2,4-Dimethylphenol
Concen: 49.988 ng
RT: 10.198 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 13540

Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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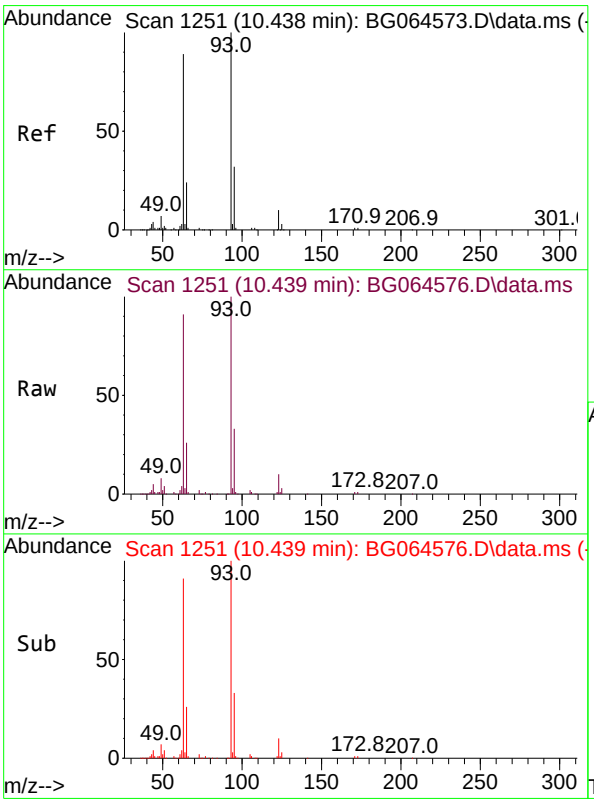
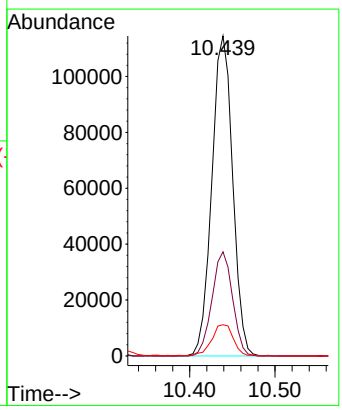
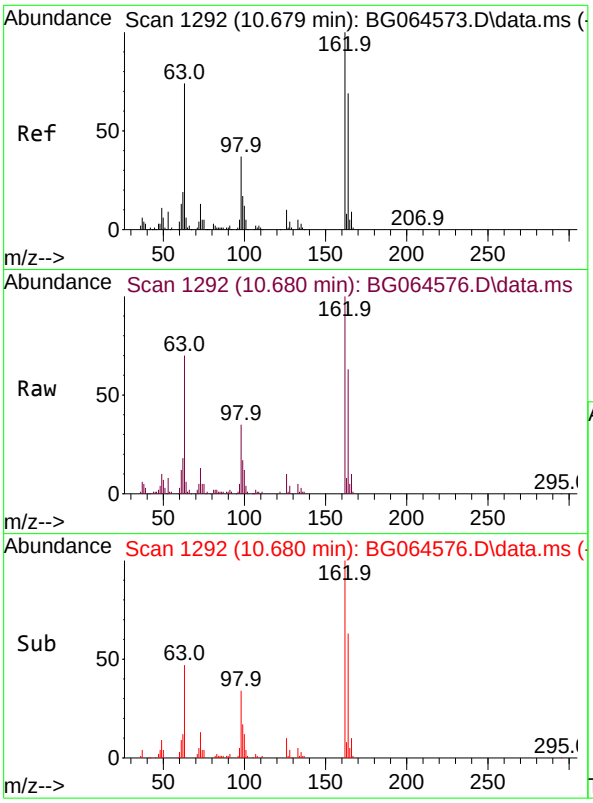


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 194038

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.7	8.4	12.6

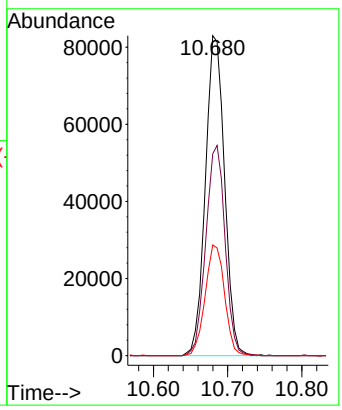




#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 14885

Ion	Ratio	Lower	Upper
162	100		
164	63.1	48.7	88.7
98	34.6	16.9	56.9



Instrument :
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ClientSampleId :
SSTDICC050

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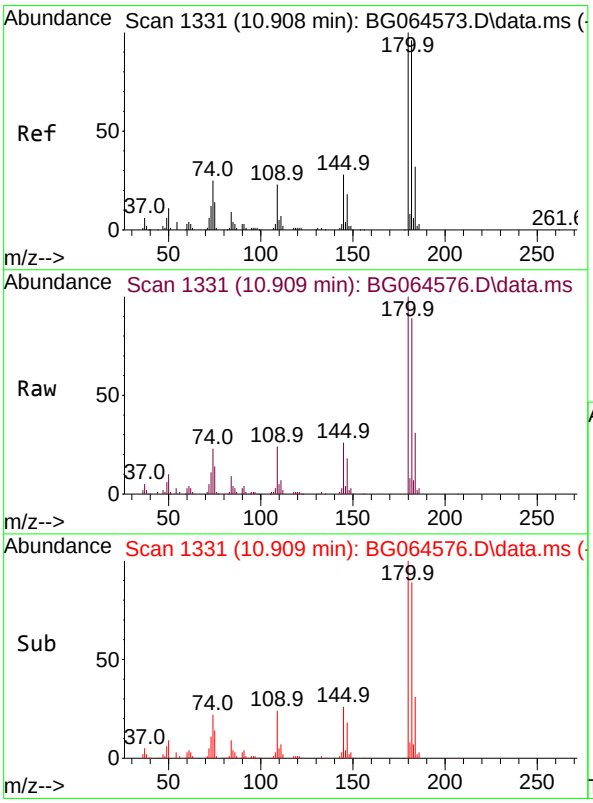
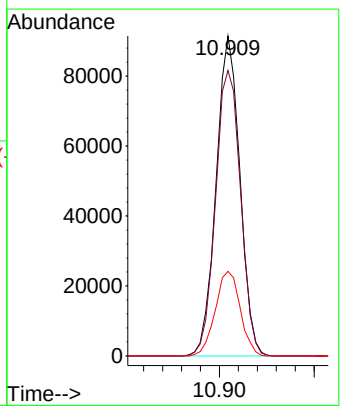
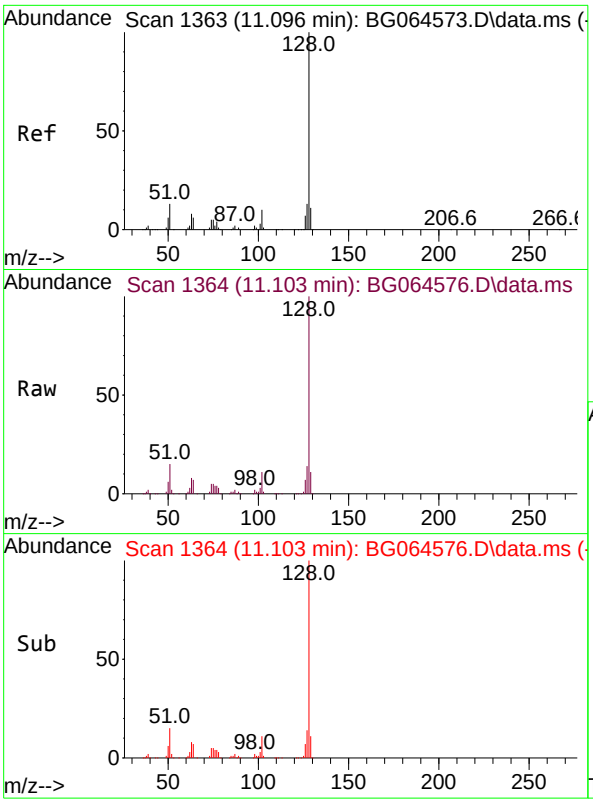


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:180 Resp: 159207

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	26.4	22.1	33.1

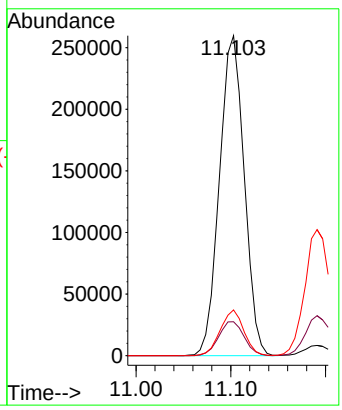




#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 471891

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	14.3	10.6	15.8



Instrument :
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ClientSampleId :
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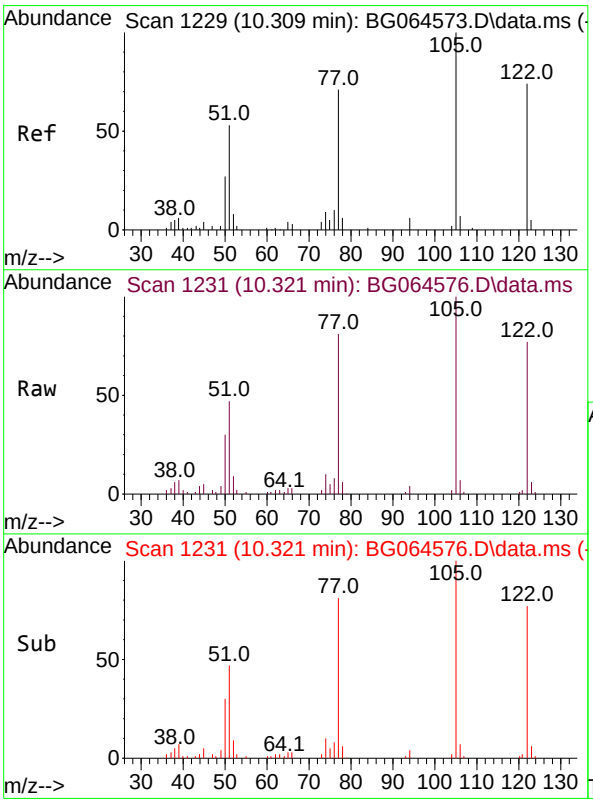
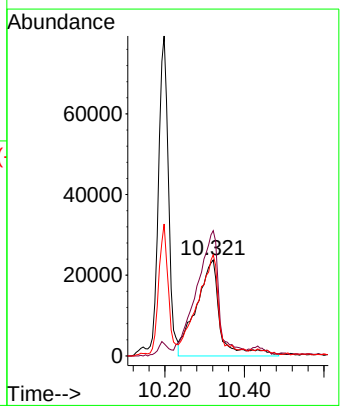
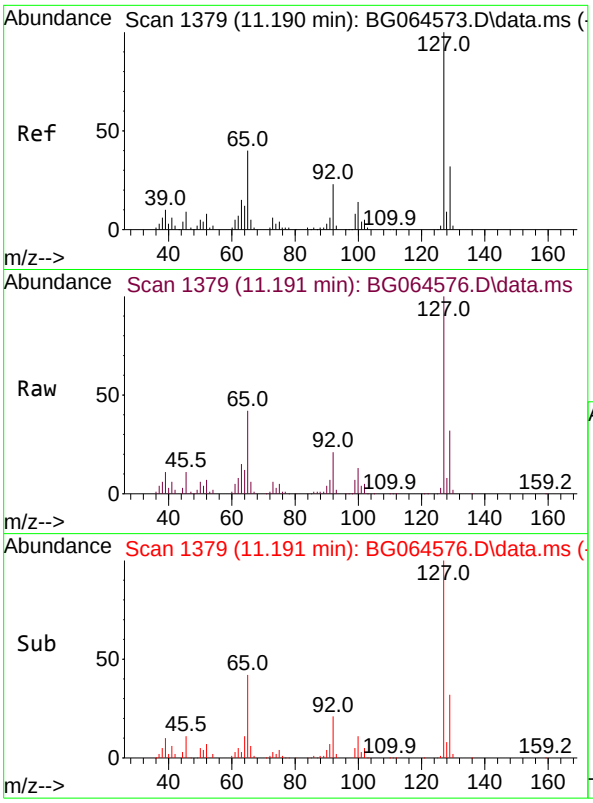


#32
Benzoic acid
Concen: 47.410 ng m
RT: 10.321 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97970

Ion	Ratio	Lower	Upper
122	100		
105	130.6	104.2	144.2
77	105.4	70.2	110.2

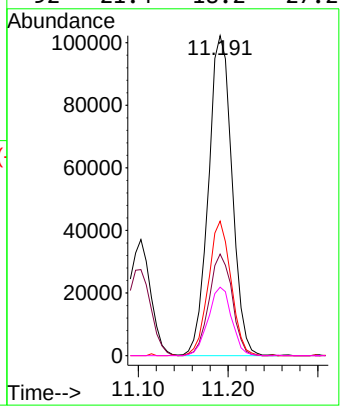




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:127 Resp: 18681

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.5	38.3
65	42.0	32.2	48.4
92	21.4	18.2	27.2



Instrument :
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ClientSampleId :
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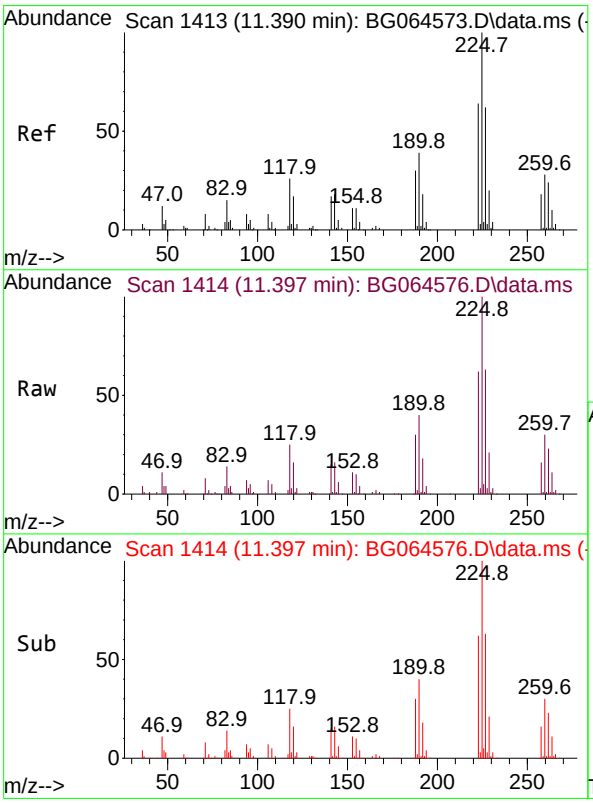
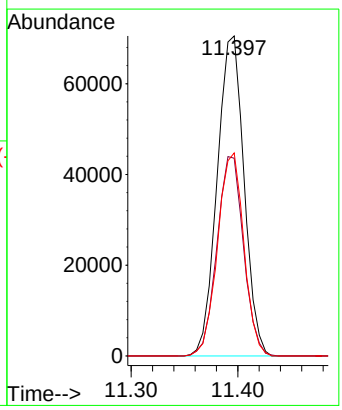
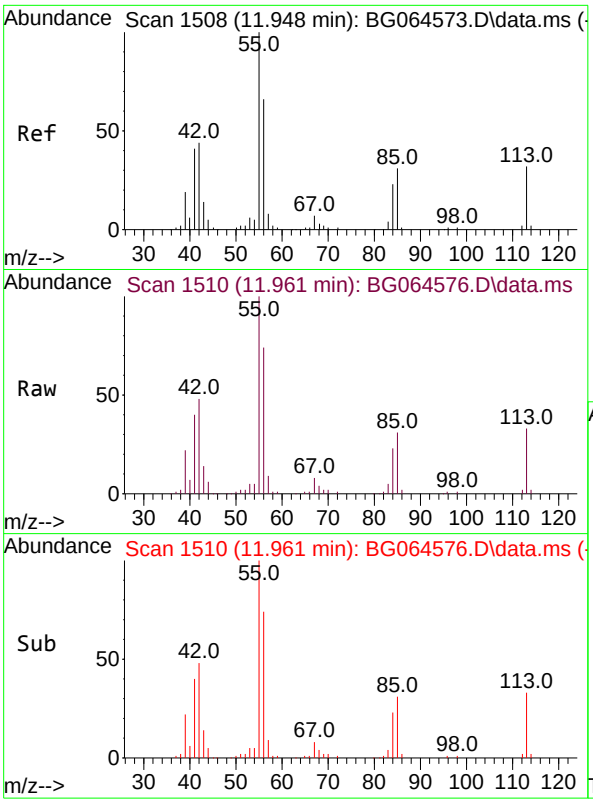


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:225 Resp: 123596

Ion	Ratio	Lower	Upper
225	100		
223	59.0	48.8	73.2
227	63.1	49.5	74.3

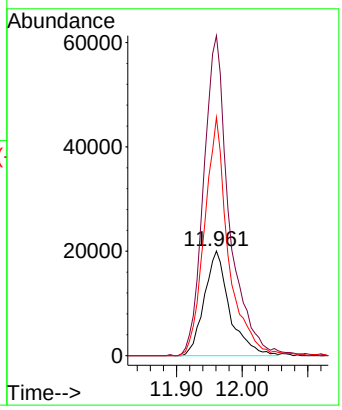




#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:113 Resp: 5368

Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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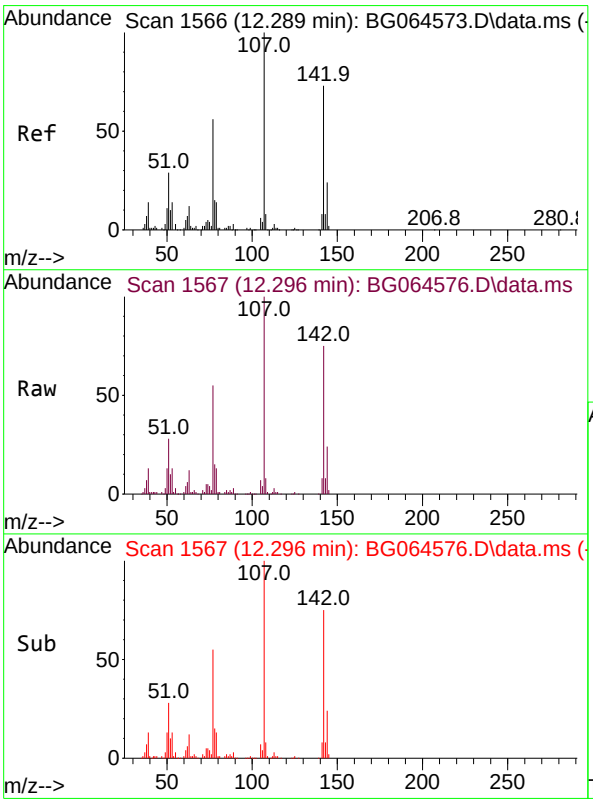
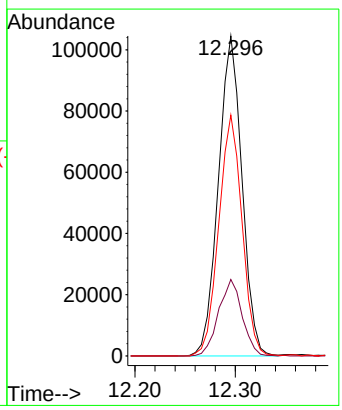
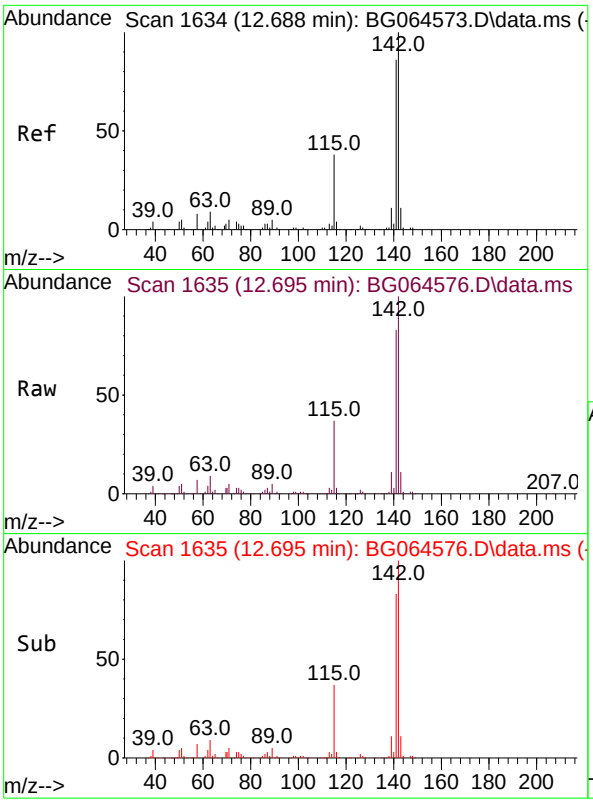


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 171120

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8

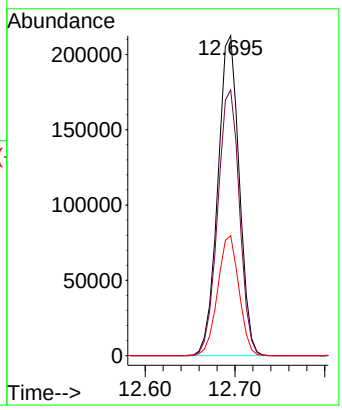




#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 351946

Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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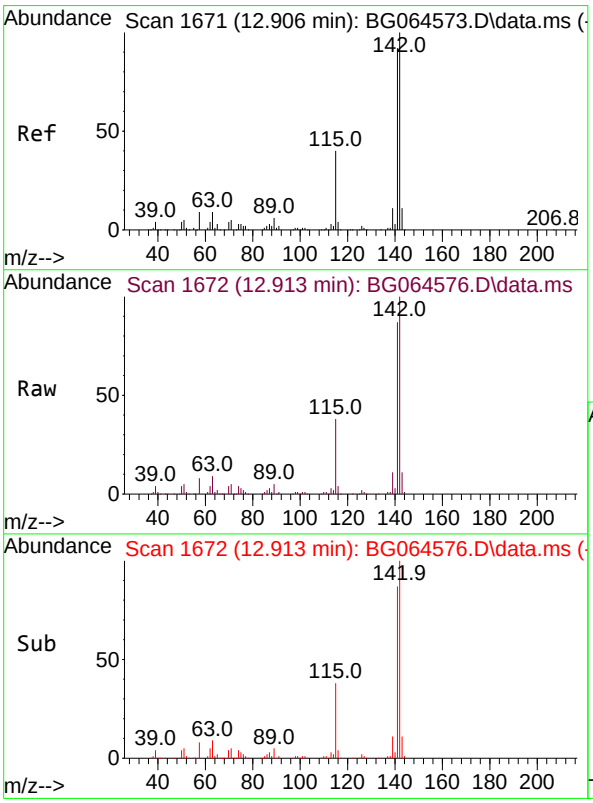
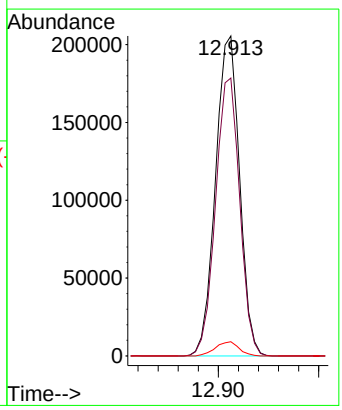
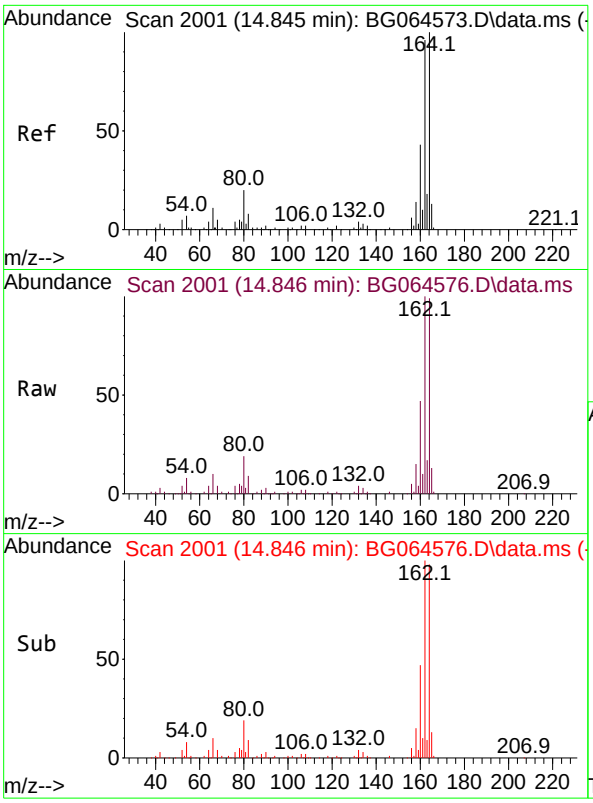


#38
1-Methylnaphthalene
Concen: 46.666 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 342687

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.4	3.1	4.7

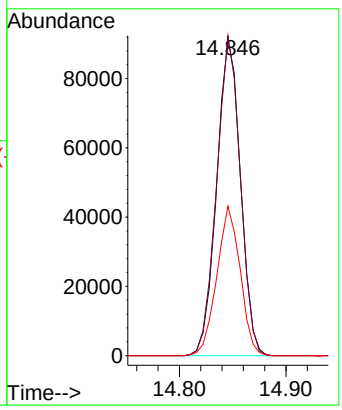




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:164 Resp: 14203

Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.0	115.6
160	47.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
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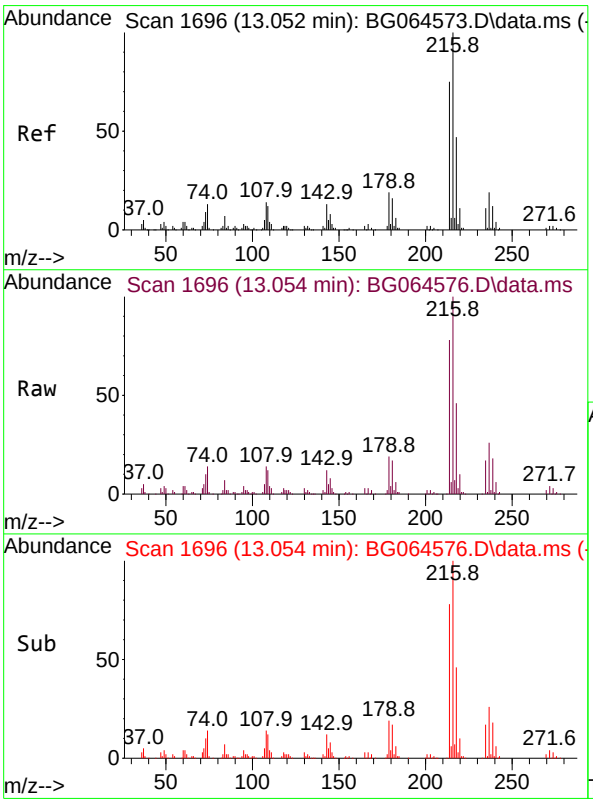
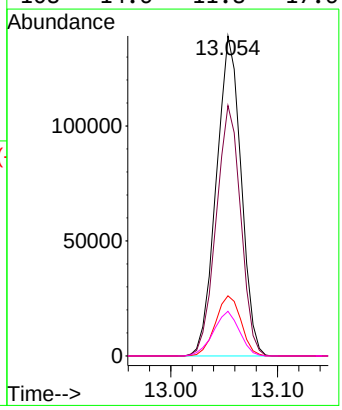
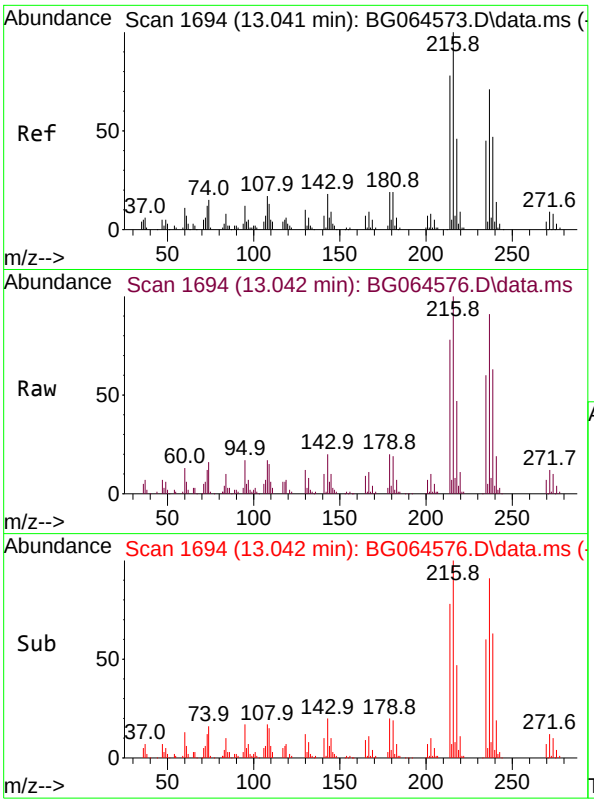


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

Ion	Ratio	Lower	Upper
216	100		
214	77.5	61.4	92.2
179	19.4	15.4	23.0
108	14.6	11.8	17.6

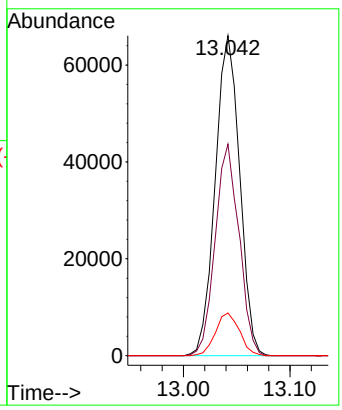




#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:237 Resp: 10541

Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.1	84.1
272	13.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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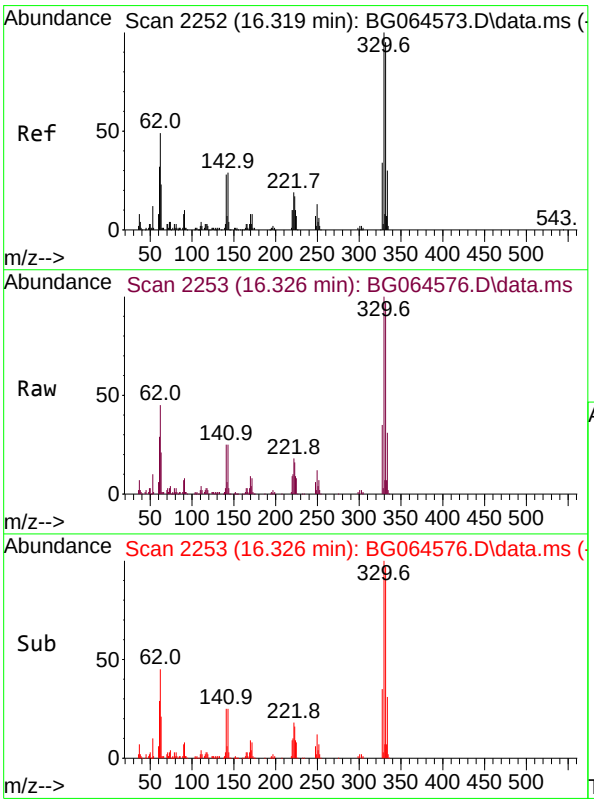
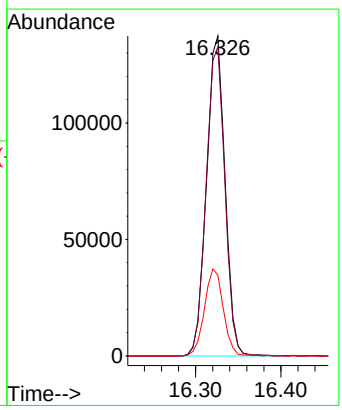
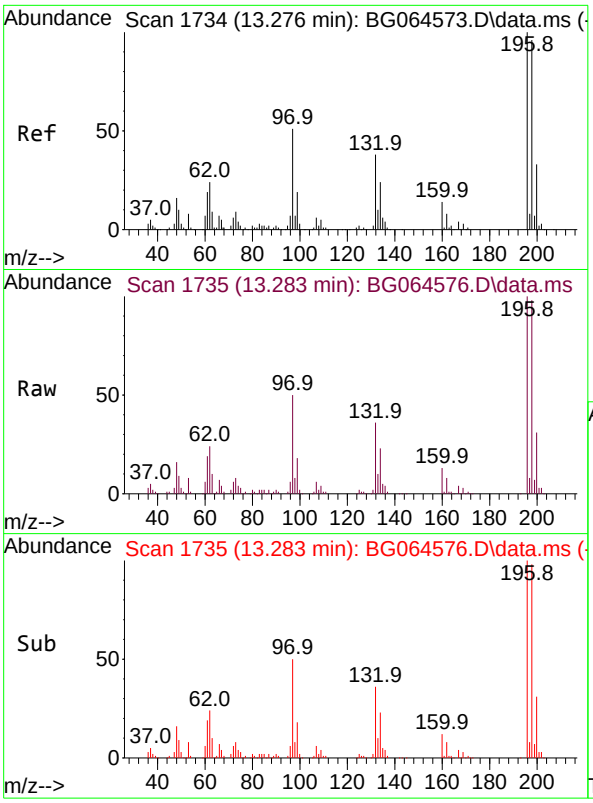


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:330 Resp: 207294

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.6	21.8	32.6

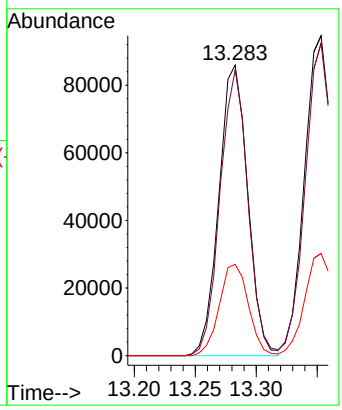




#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 14150

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	31.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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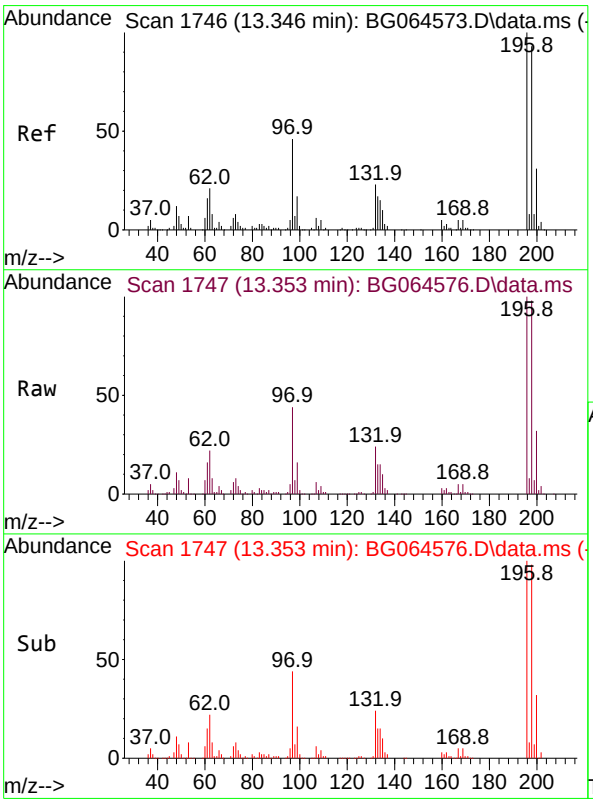
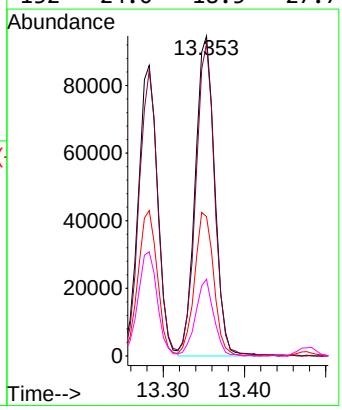
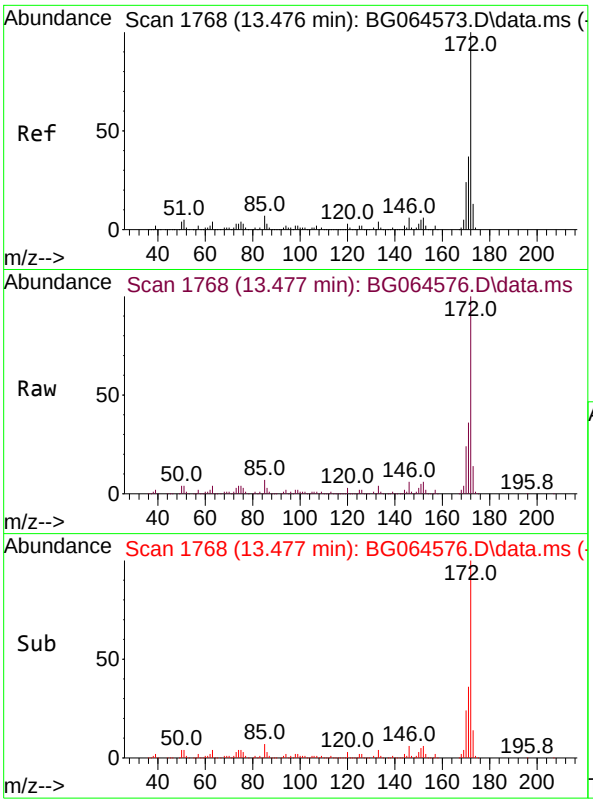


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 157315

Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.2	111.4
97	43.5	37.0	55.6
132	24.0	18.5	27.7

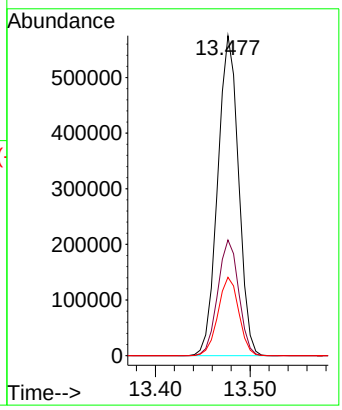




#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:172 Resp: 87731

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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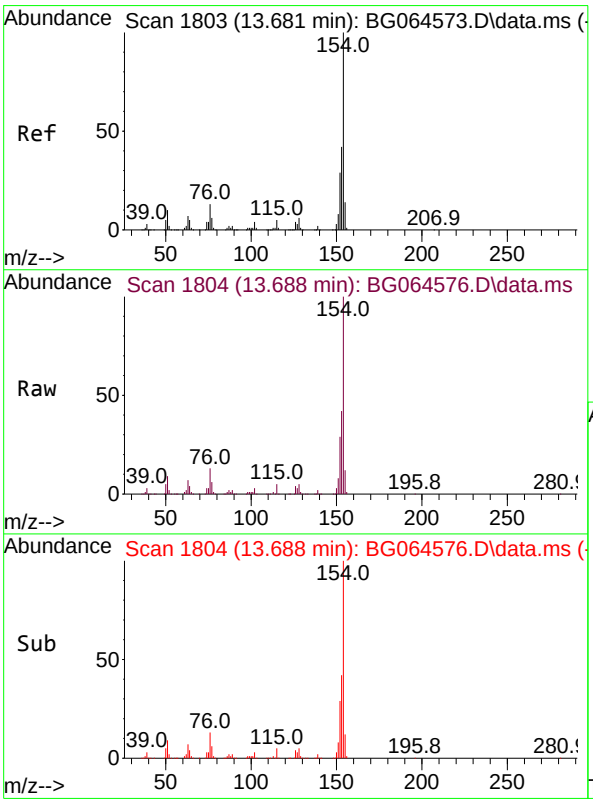
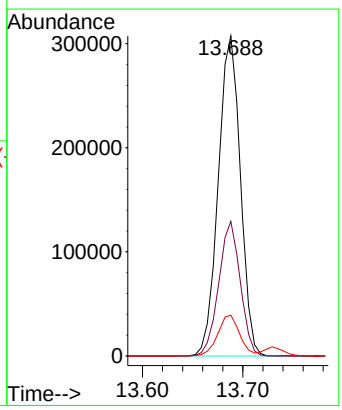
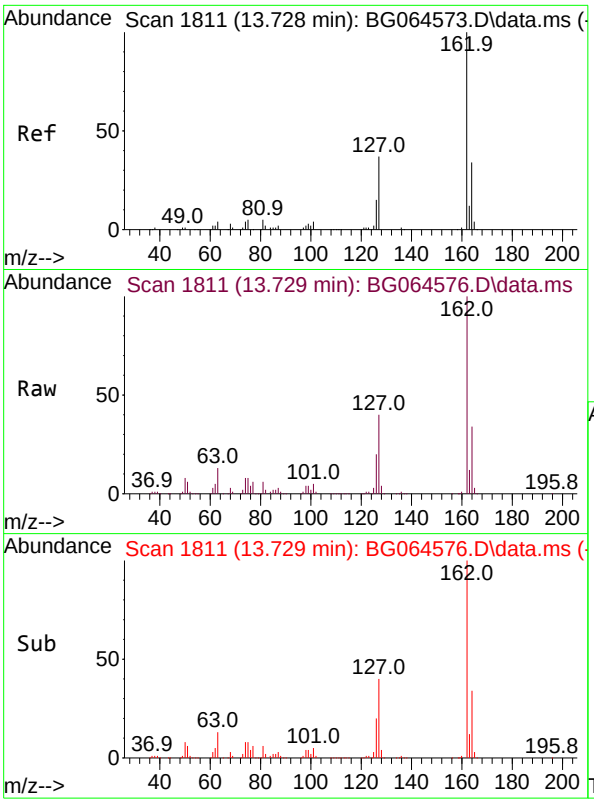


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 470676

Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.4	62.4
76	12.8	0.0	33.5

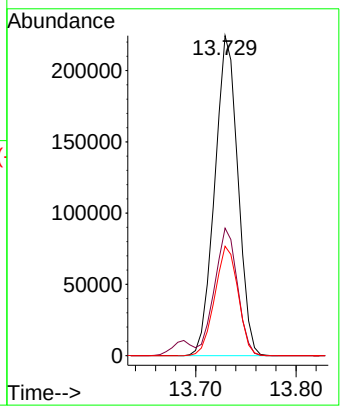




#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 359811

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	34.2	27.5	41.3



Instrument :
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ClientSampleId :
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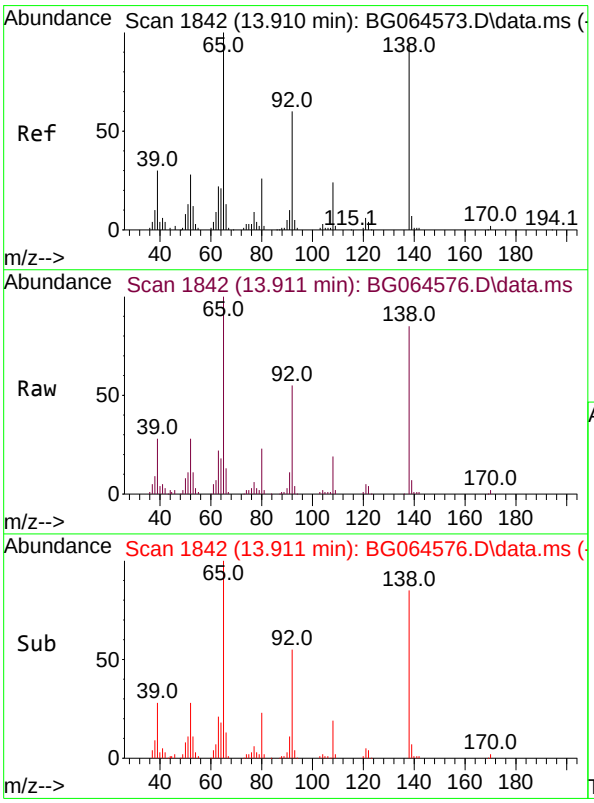
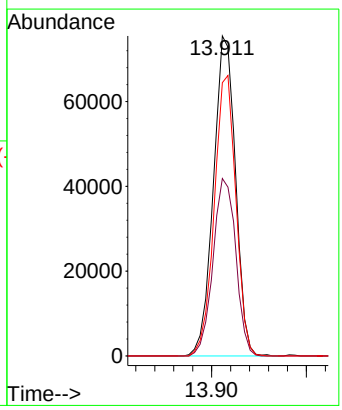
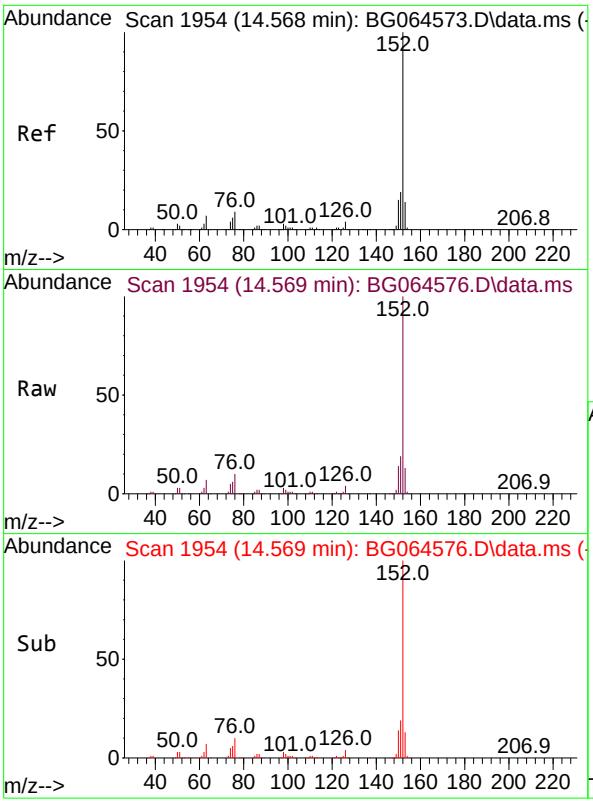


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 65 Resp: 121908

Ion	Ratio	Lower	Upper
65	100		
92	55.4	48.3	72.5
138	85.4	74.9	112.3

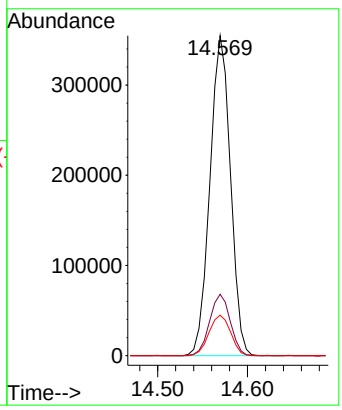




#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 56577

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.6	11.0	16.4



Instrument :
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ClientSampleId :
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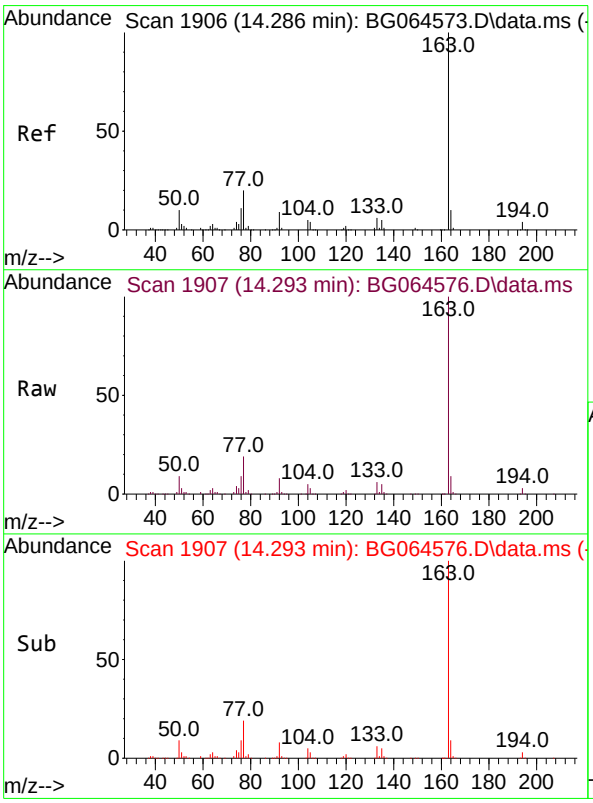
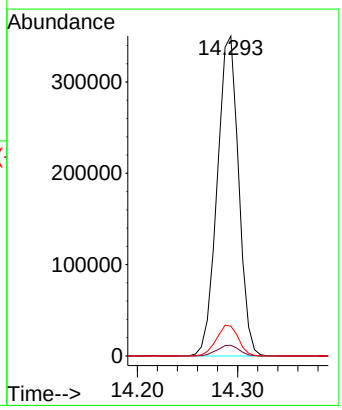
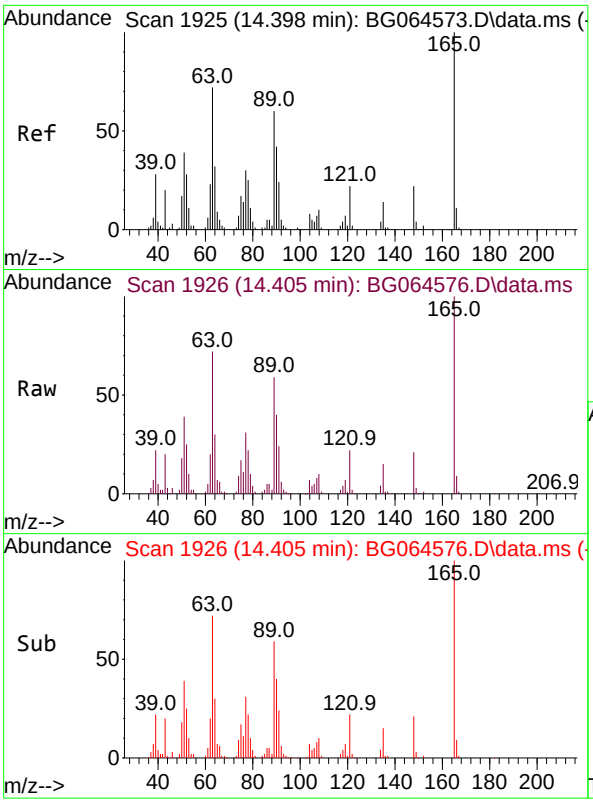


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:163 Resp: 519303

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.3	7.7	11.5

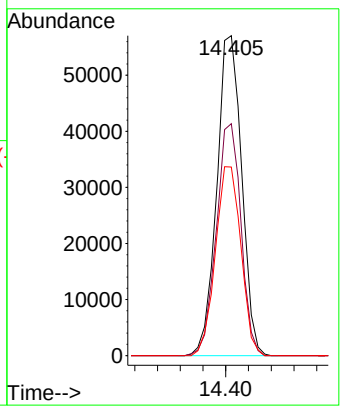




#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 8666

Ion	Ratio	Lower	Upper
165	100		
63	72.5	57.4	86.0
89	58.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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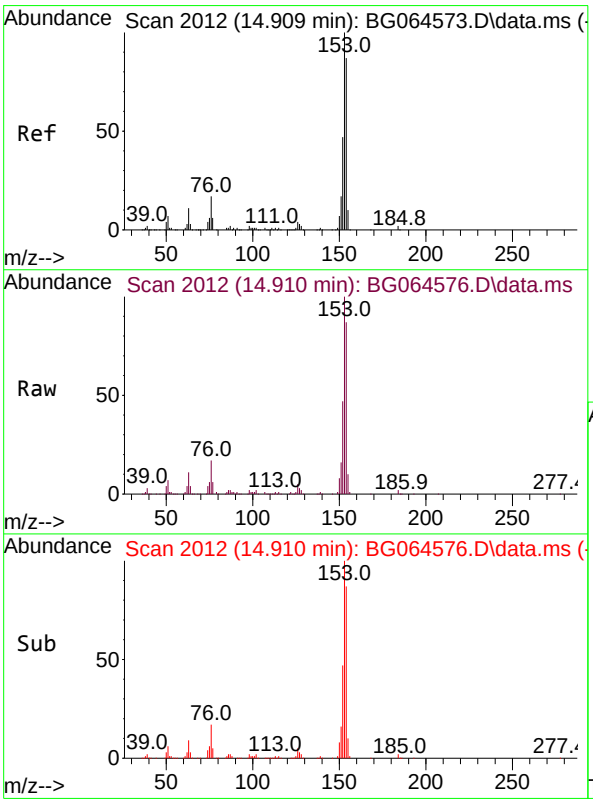
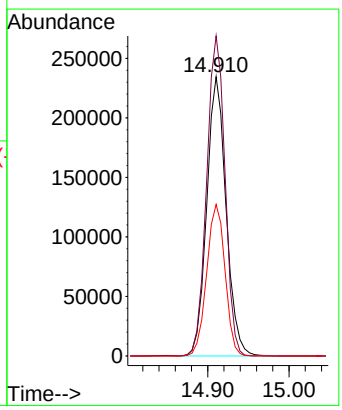
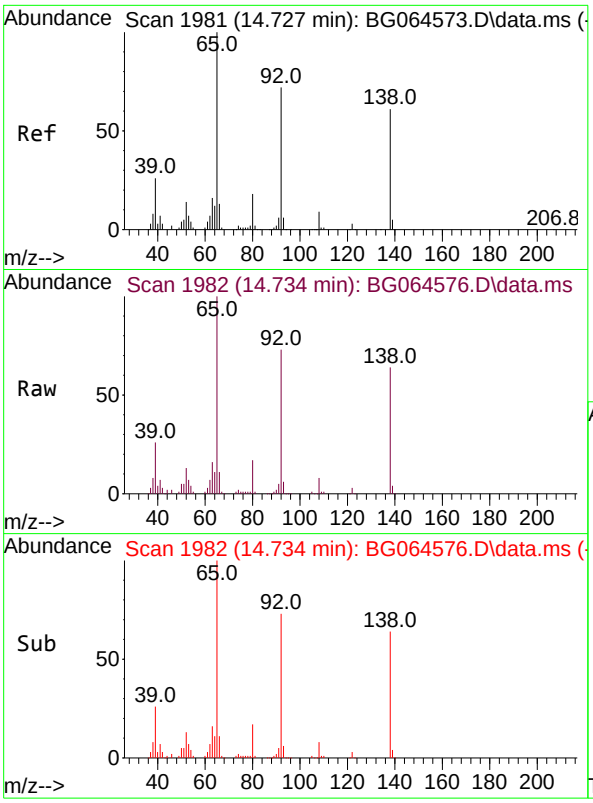


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.4
152	54.3	43.2	64.8

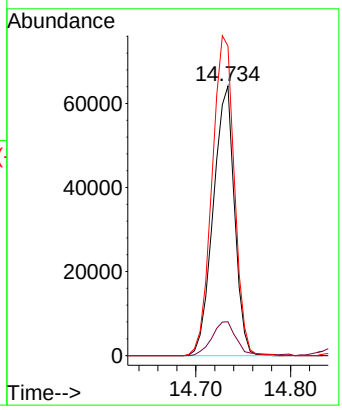




#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 9974

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
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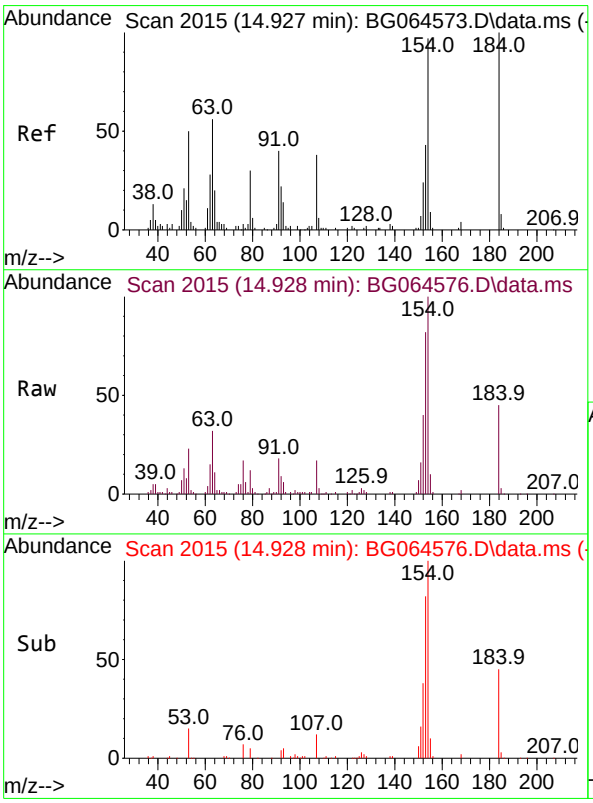
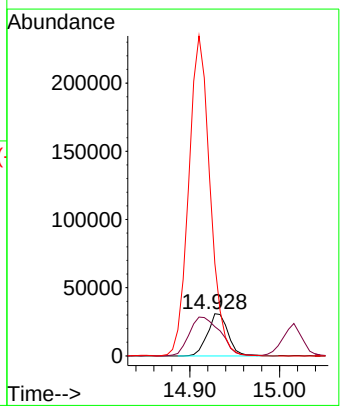
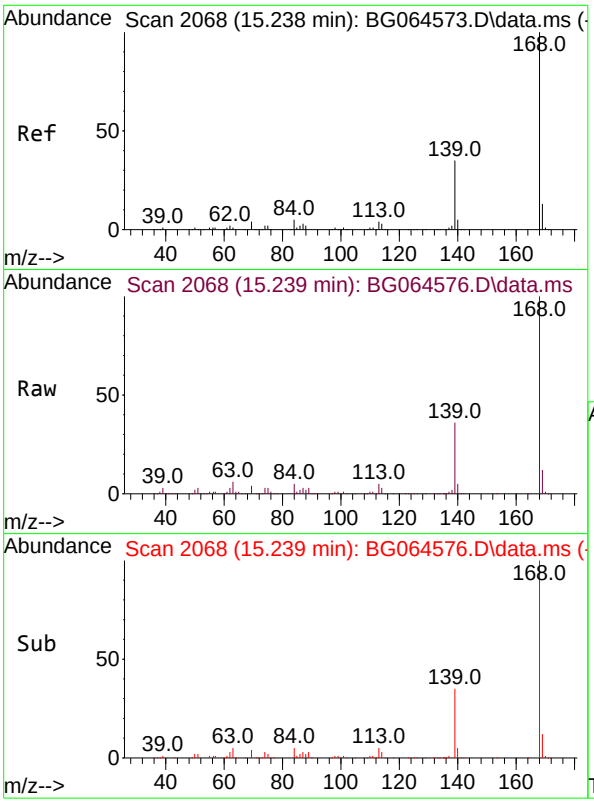


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 49318

Ion	Ratio	Lower	Upper
184	100		
63	69.5	56.6	85.0
154	219.8	158.6	238.0

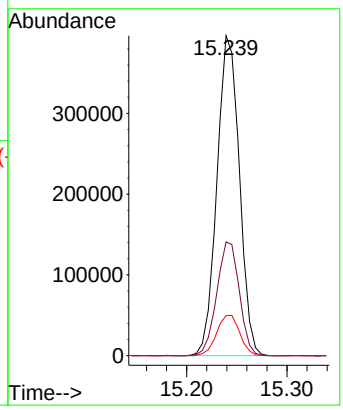




#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:168 Resp: 61555

Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.5	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
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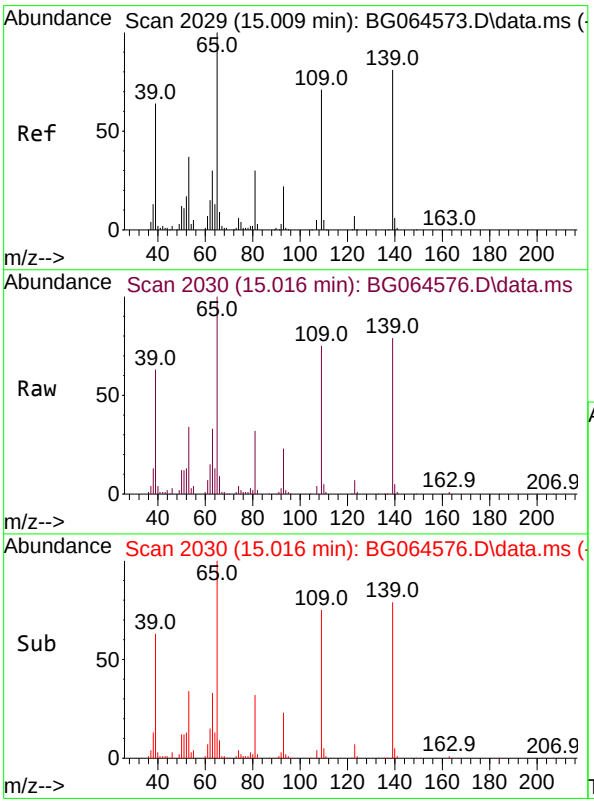
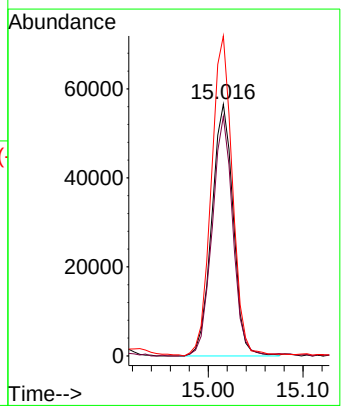
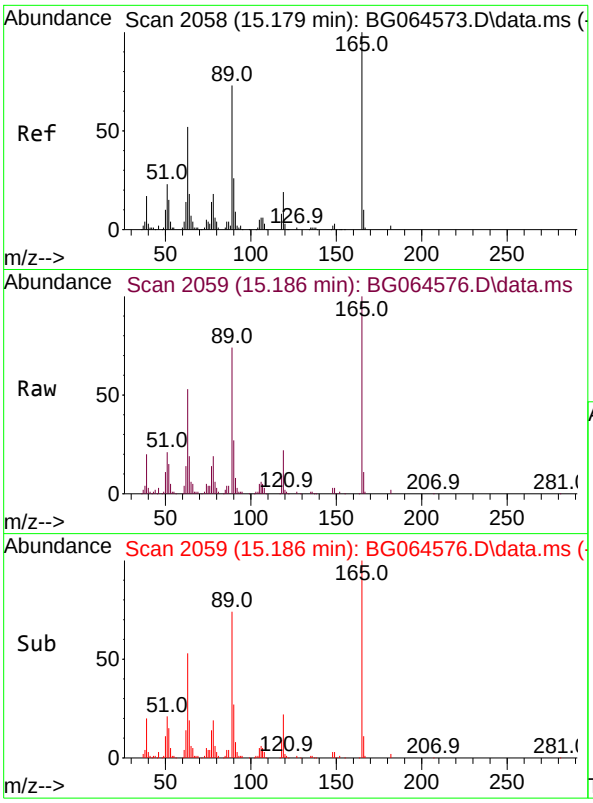


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 88609

Ion	Ratio	Lower	Upper
139	100		
109	95.2	67.8	107.8
65	127.2	103.7	143.7

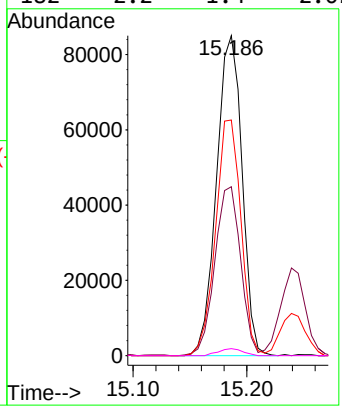




#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 13237

Ion	Ratio	Lower	Upper
165	100		
63	52.8	41.8	62.8
89	73.6	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
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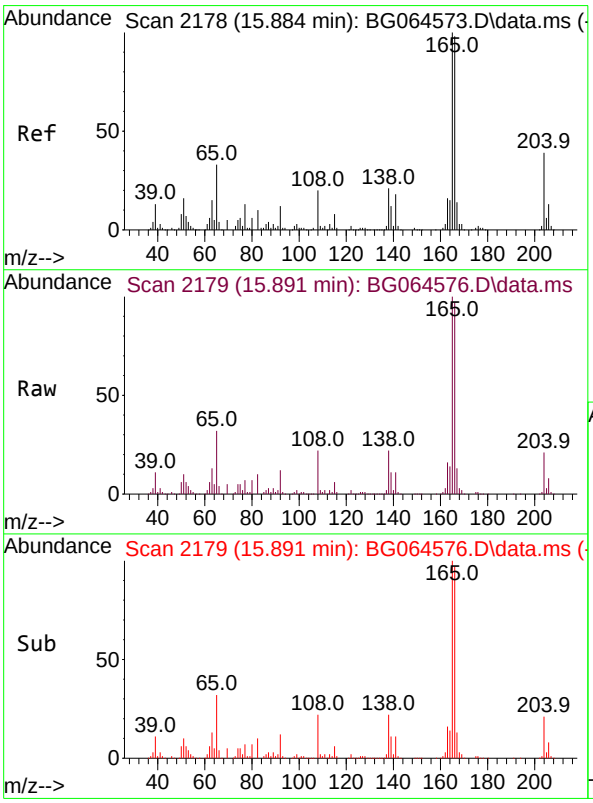
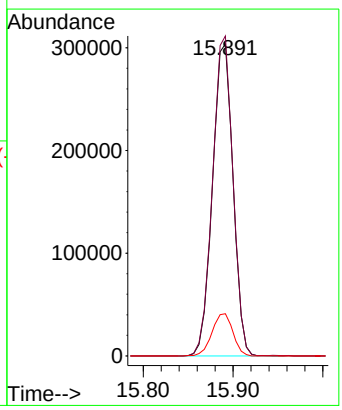
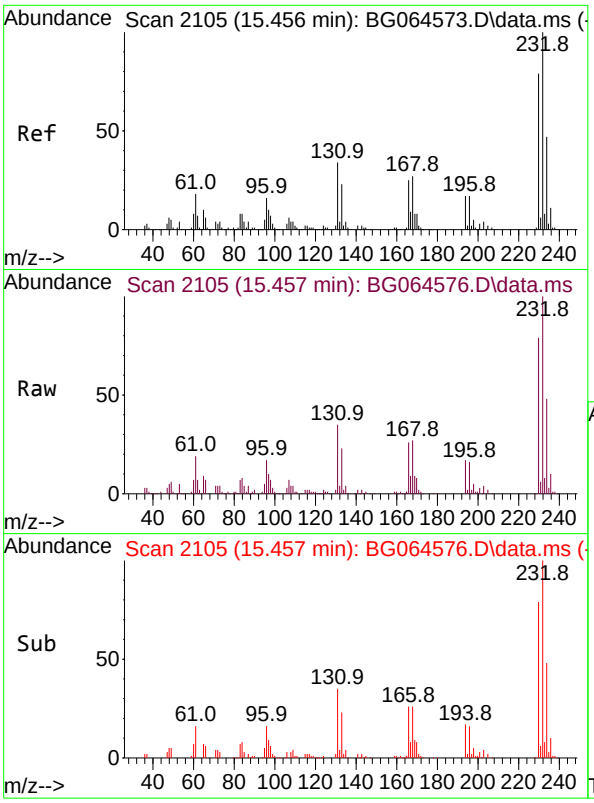


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:166 Resp: 481625

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.5	11.4	17.0

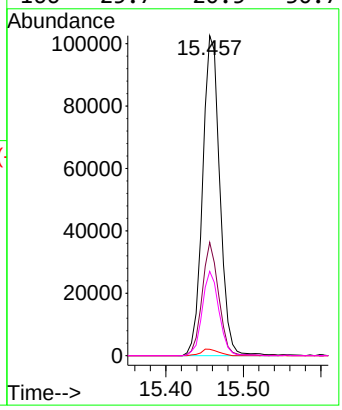




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:232 Resp: 15778

Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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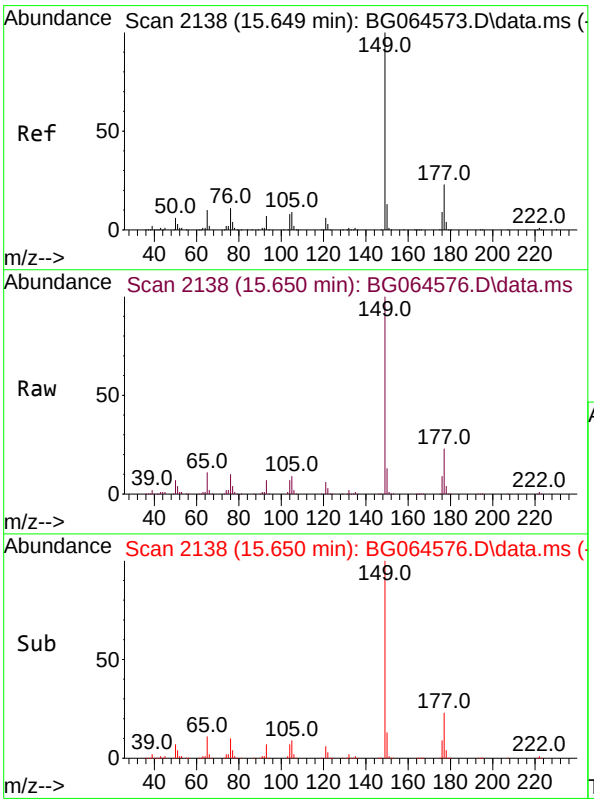
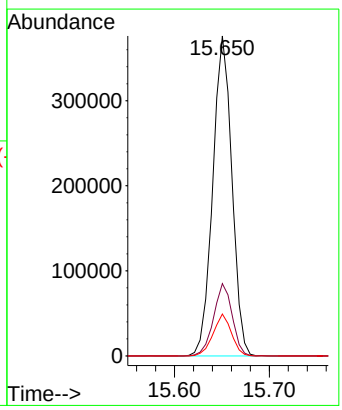
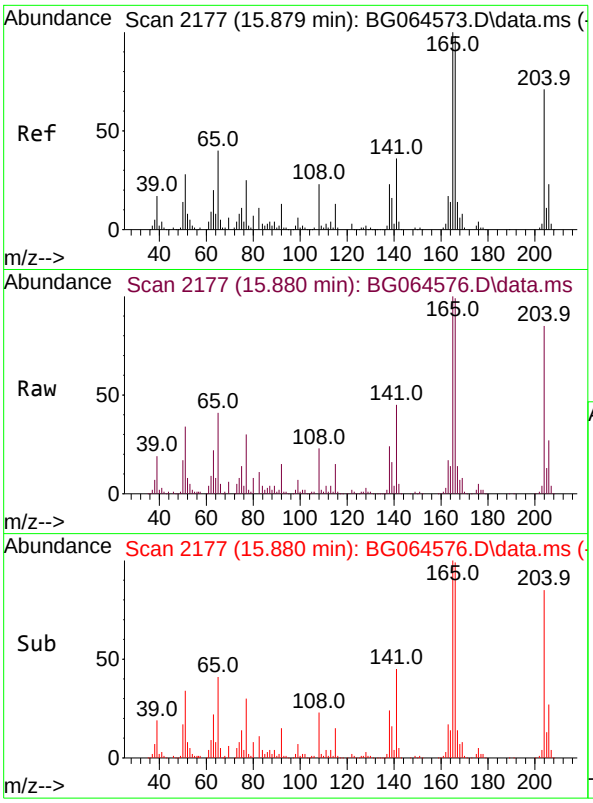


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 527594

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.0	27.0
150	13.1	10.2	15.4

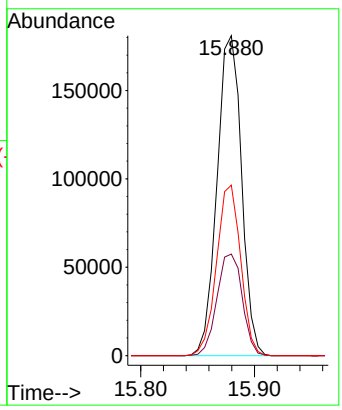




#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:204 Resp: 271068

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	53.3	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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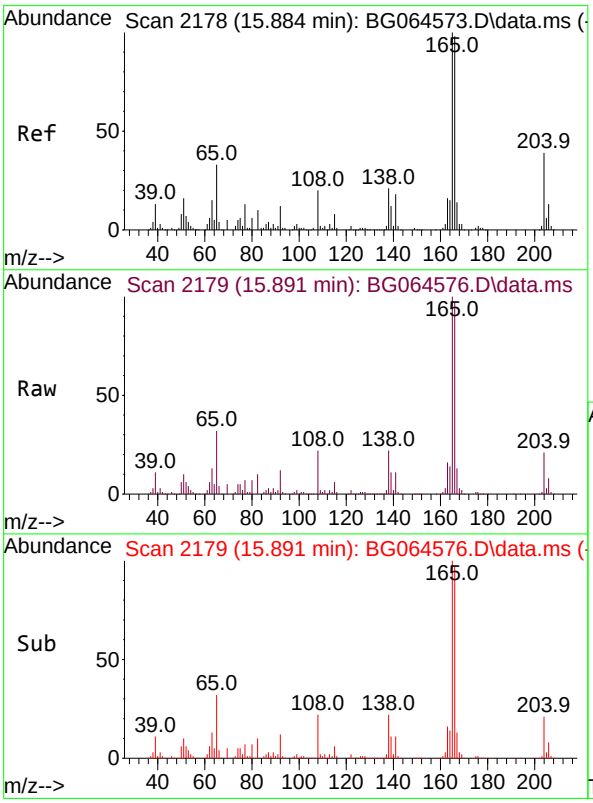
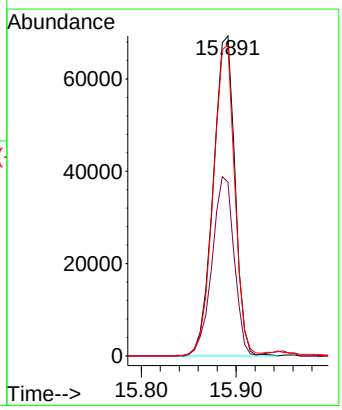
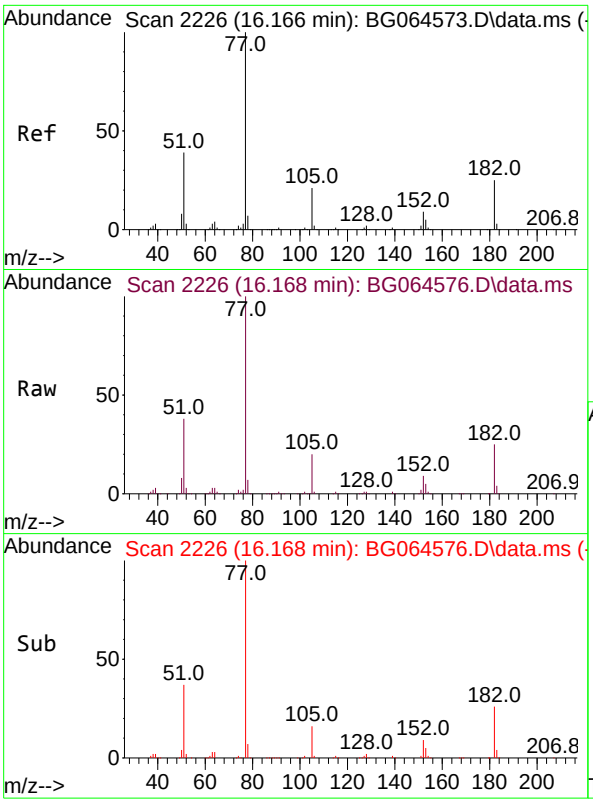


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 110067

Ion	Ratio	Lower	Upper
138	100		
92	54.3	36.1	76.1
108	97.2	75.6	115.6

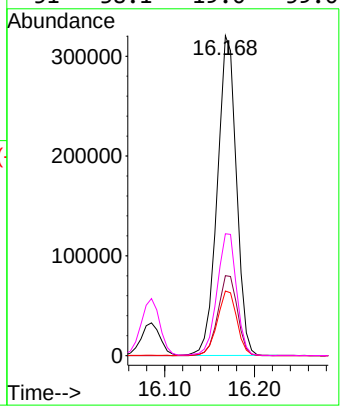




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 47520

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.2	1.3	41.3
51	38.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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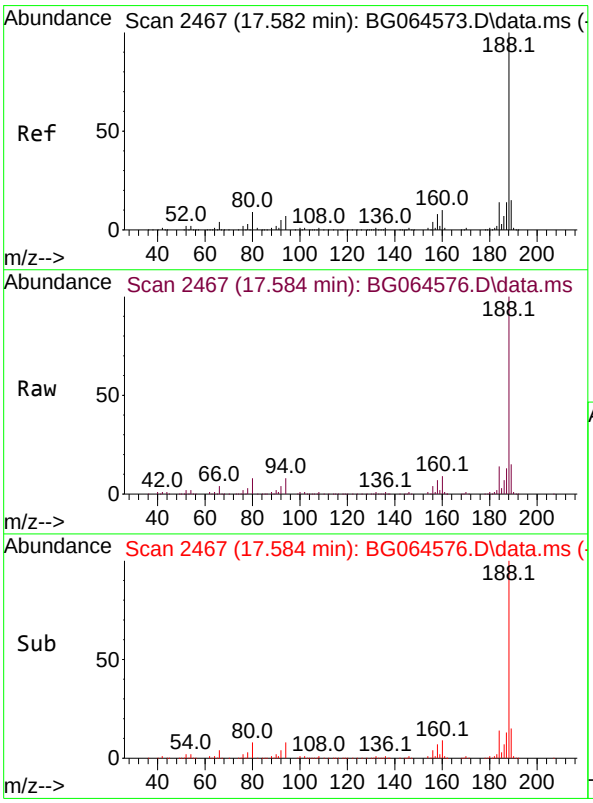
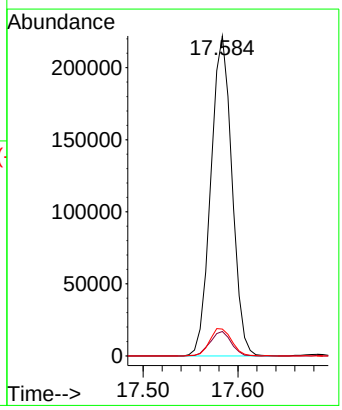
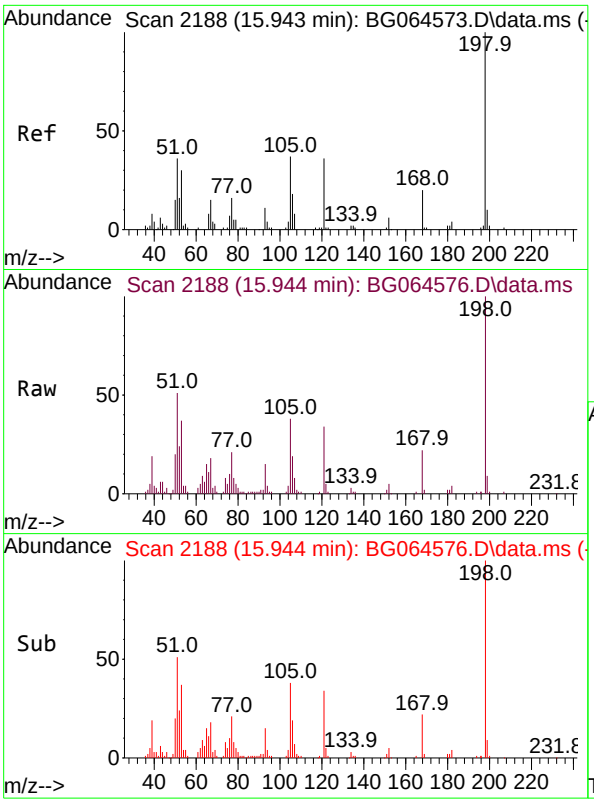


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:188 Resp: 343365

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:198 Resp: 7167

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	38.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
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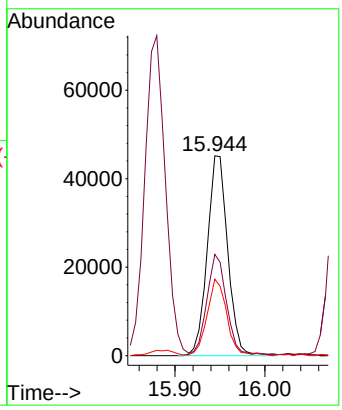
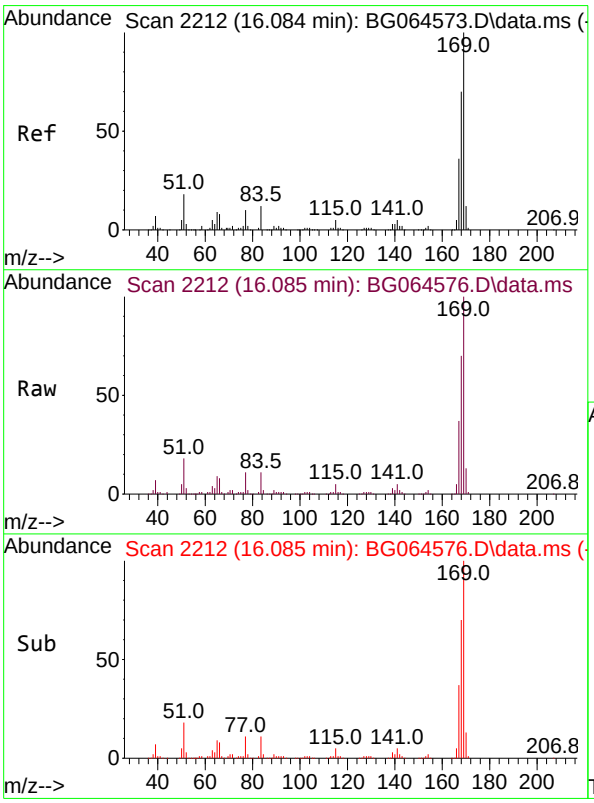
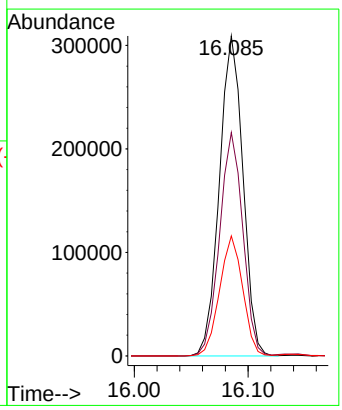


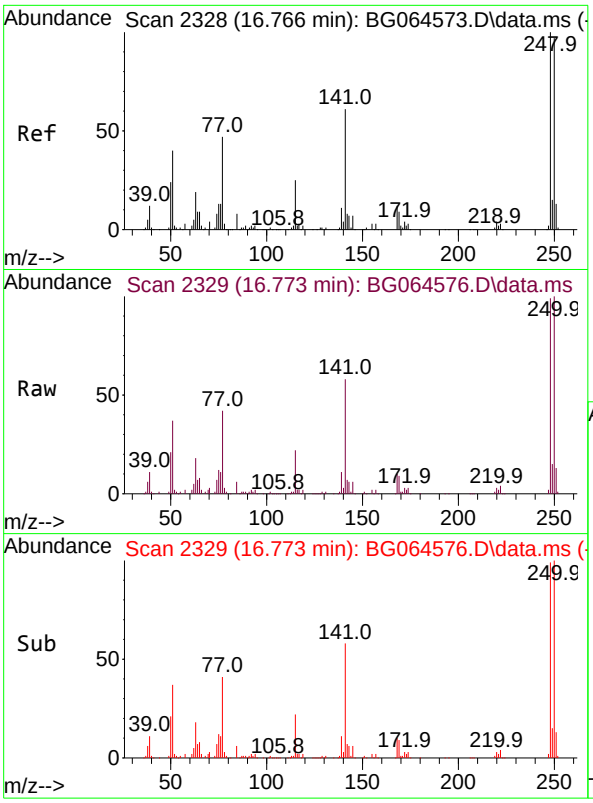


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824

Ion	Ratio	Lower	Upper
169	100		
168	69.8	56.3	84.5
167	37.5	29.0	43.6

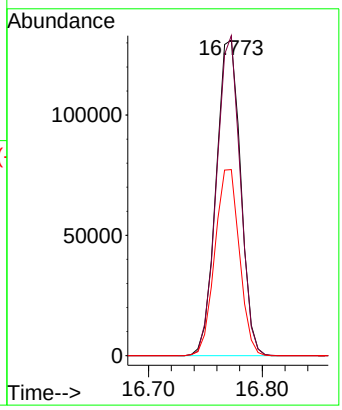




#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:248 Resp: 19622

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.7	116.5
141	59.0	48.6	72.8



Instrument :
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ClientSampleId :
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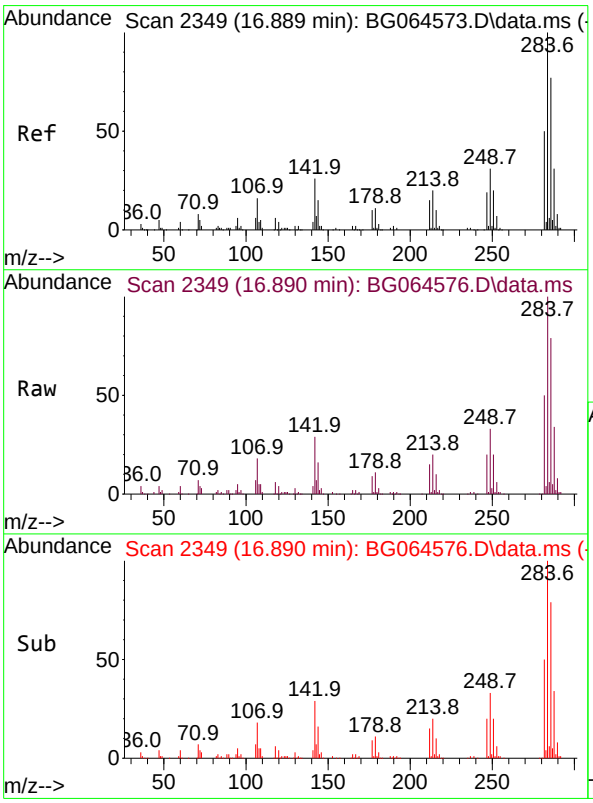
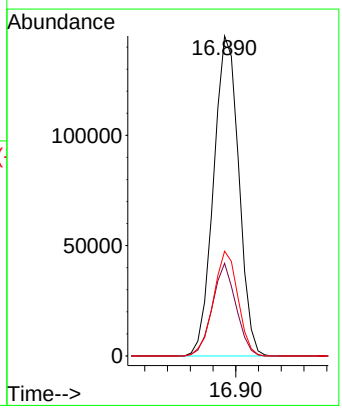
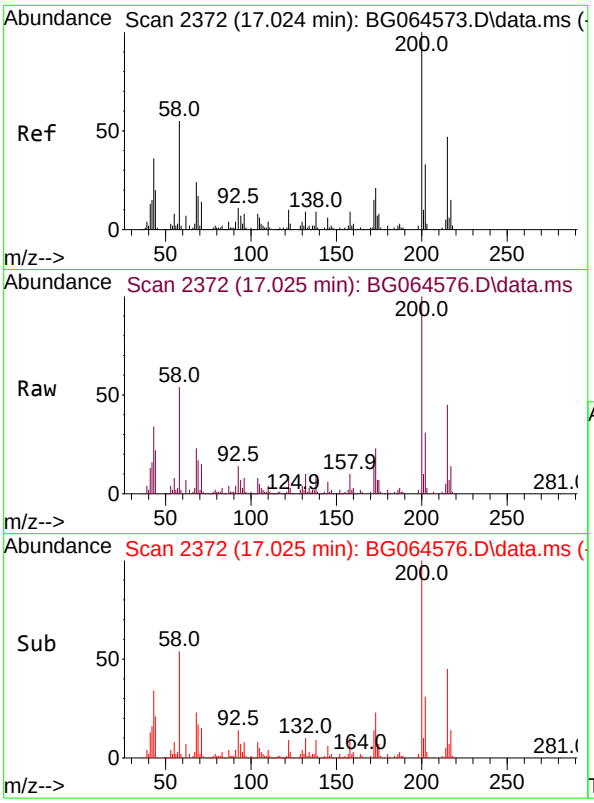


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018

Ion	Ratio	Lower	Upper
284	100		
142	28.9	21.0	31.6
249	35.3	24.9	37.3

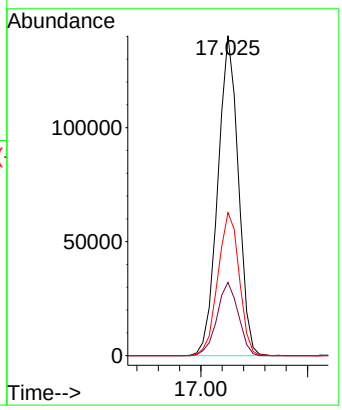




#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:200 Resp: 18786

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	44.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
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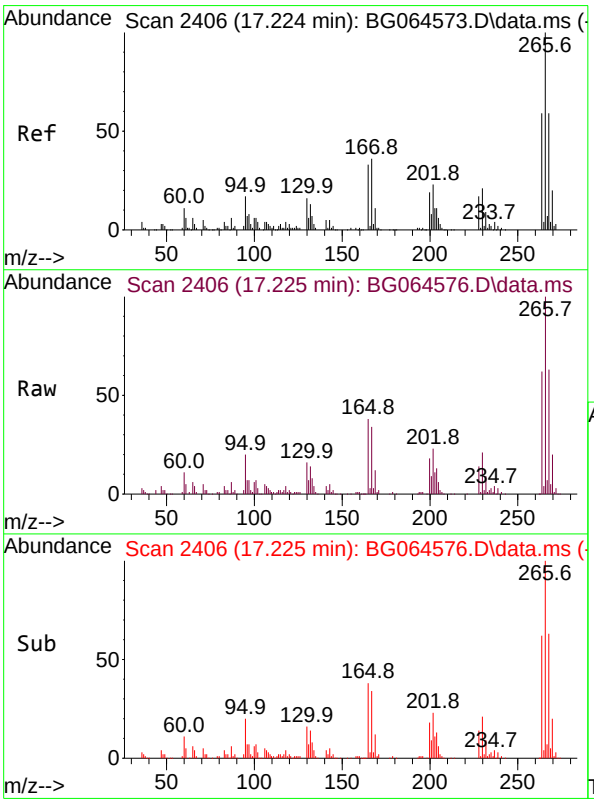
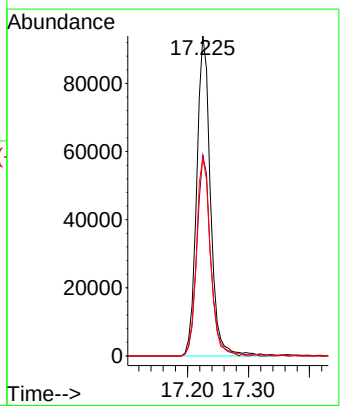
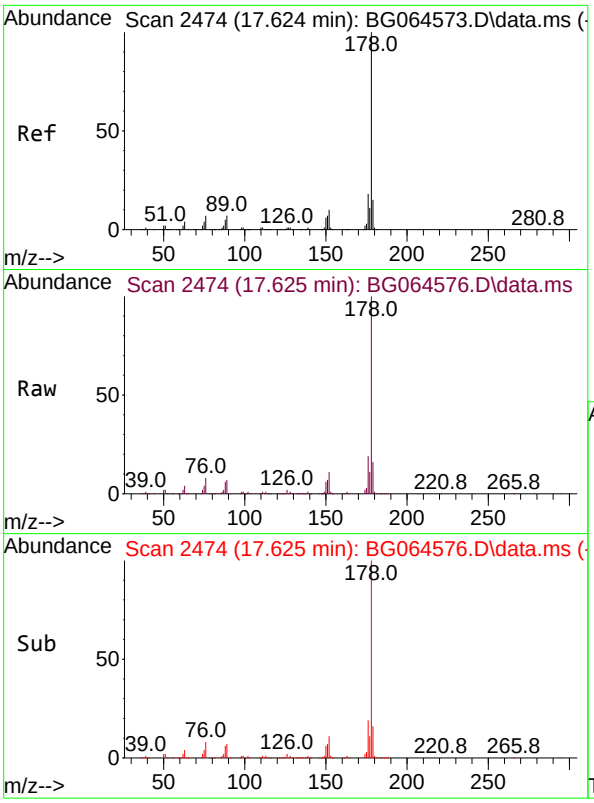


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:266 Resp: 147427

Ion	Ratio	Lower	Upper
266	100		
268	67.9	50.3	75.5
264	62.0	47.3	70.9

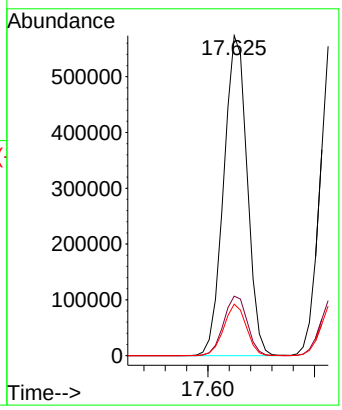




#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 87541

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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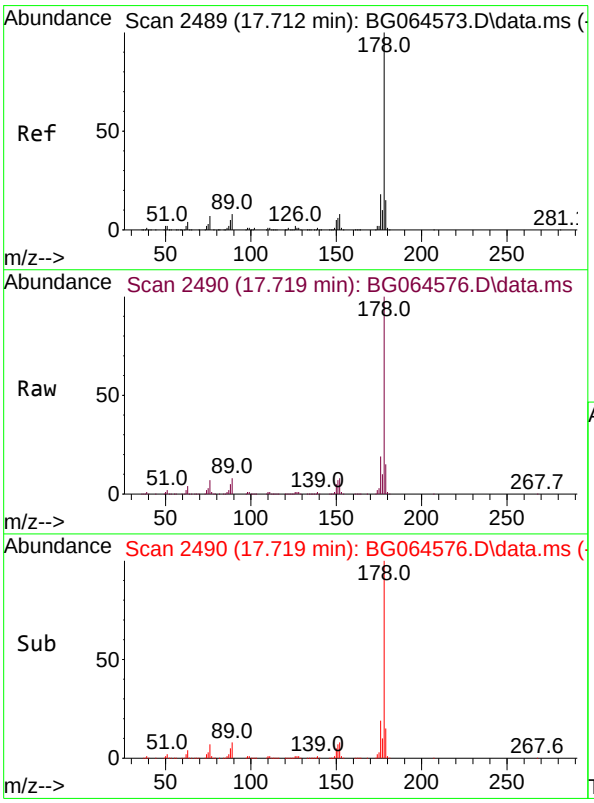
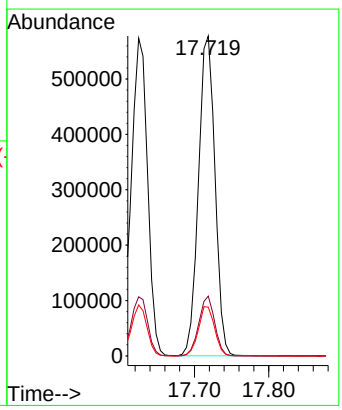
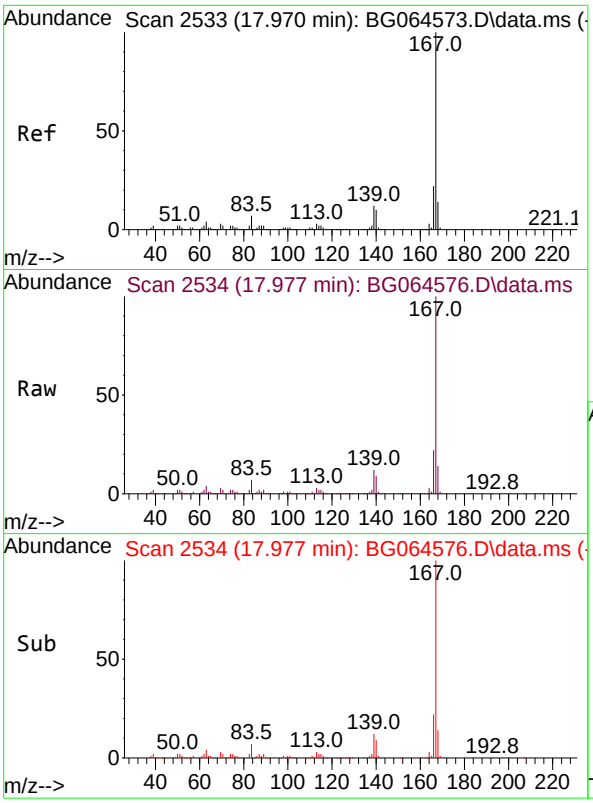


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 893629

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	15.2	12.4	18.6

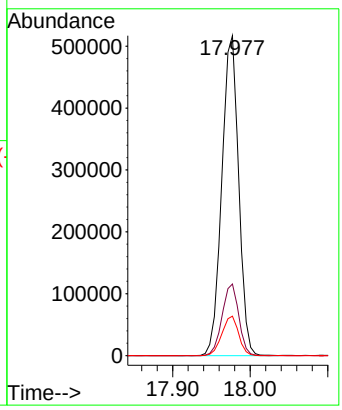




#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:167 Resp: 78103

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.3	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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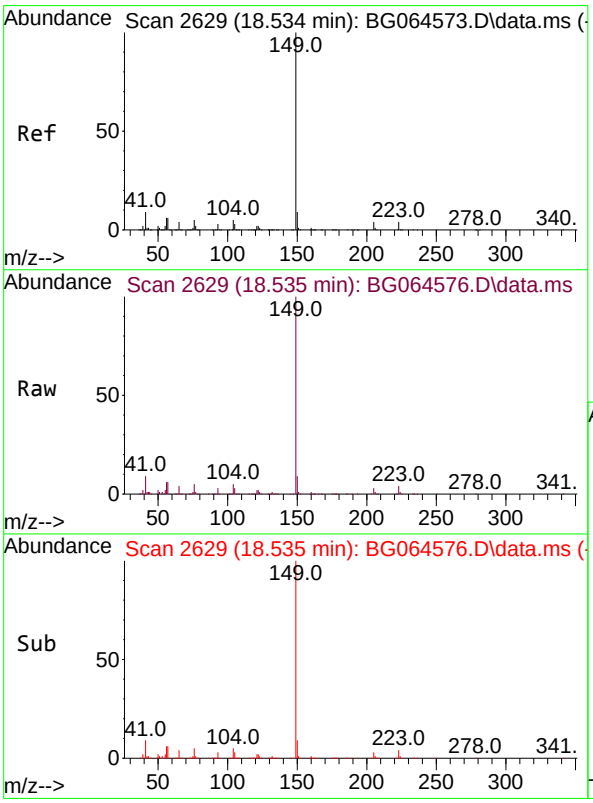
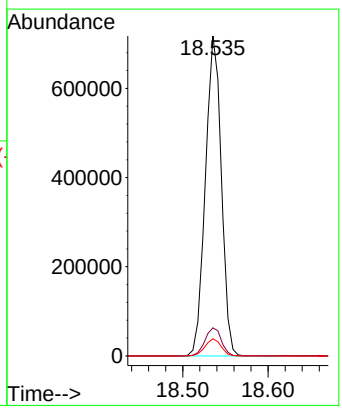
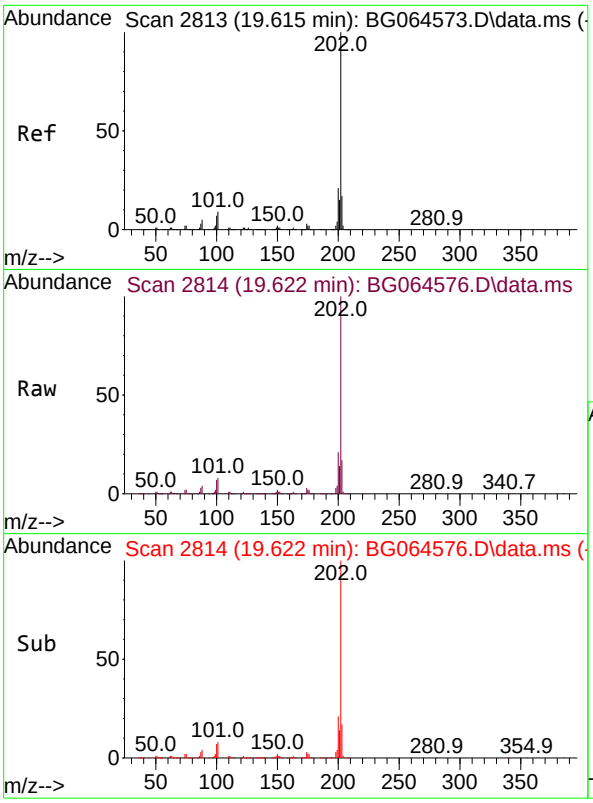


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 930281

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

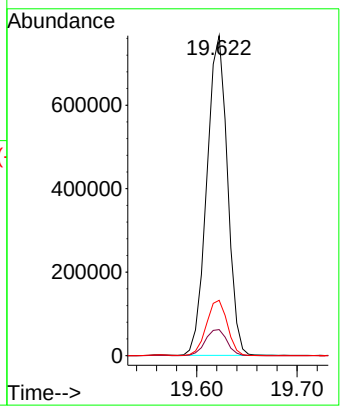




#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 109285

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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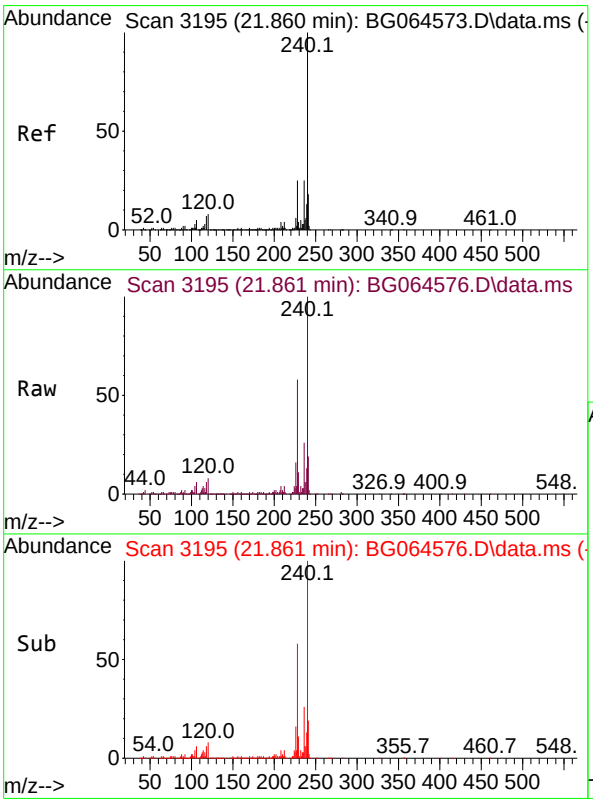
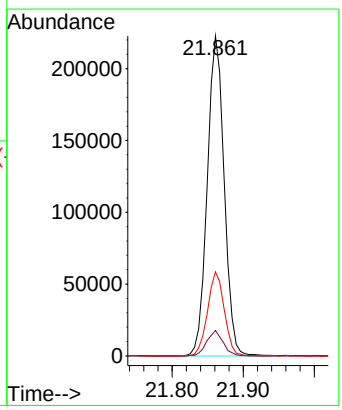
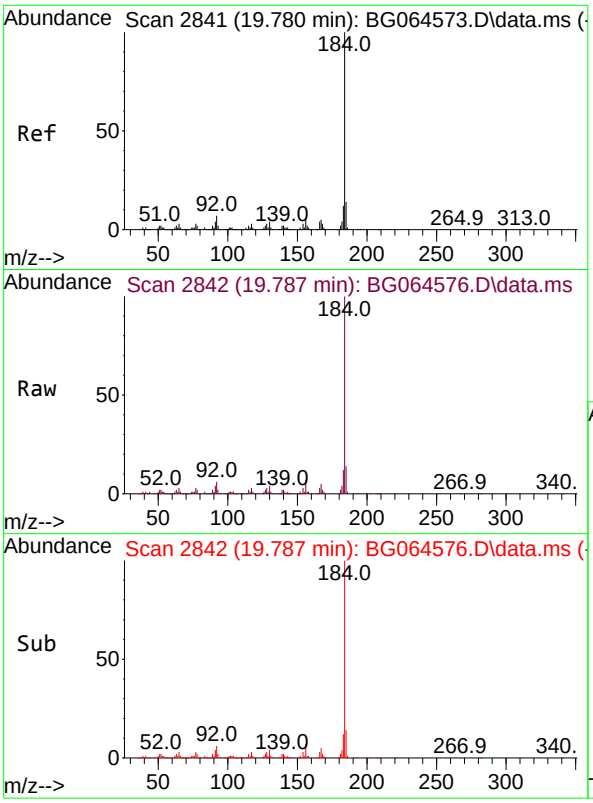


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:240 Resp: 367592

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.3	20.2	30.2

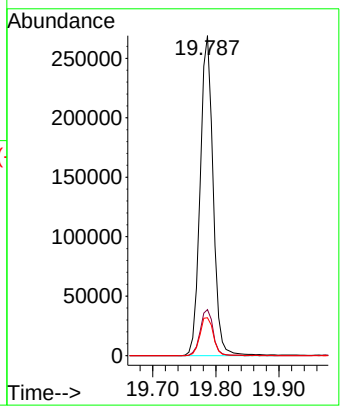




#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 38241

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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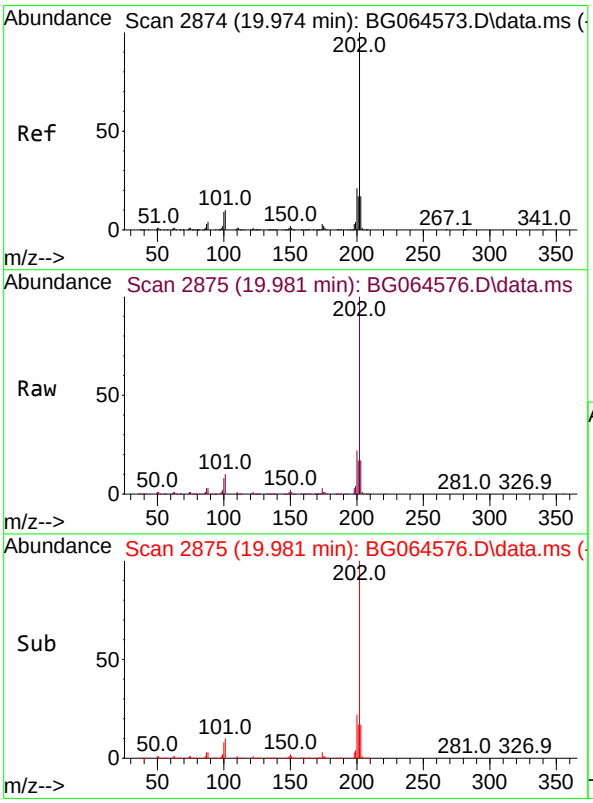
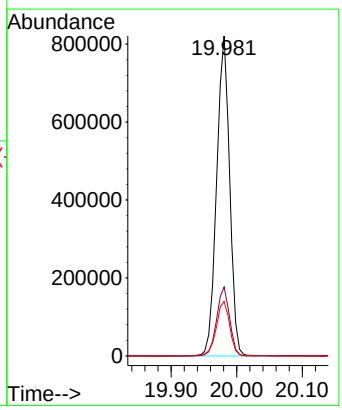
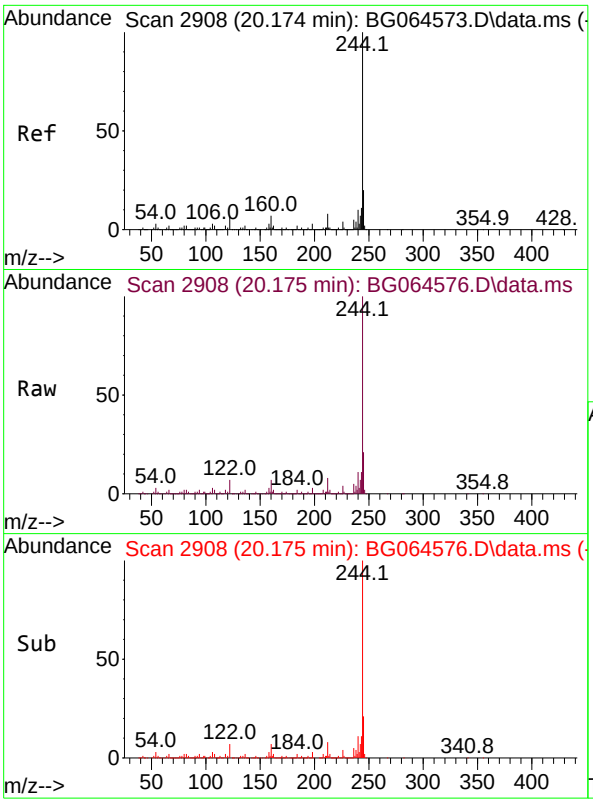


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 1133345

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.0	13.8	20.6





#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 29
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:244 Resp: 181466

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.9	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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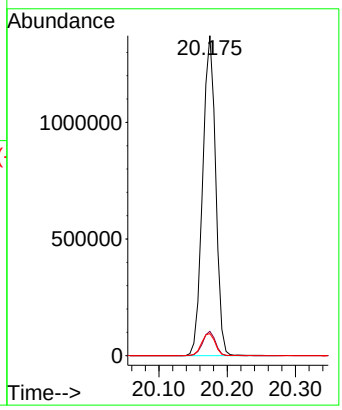
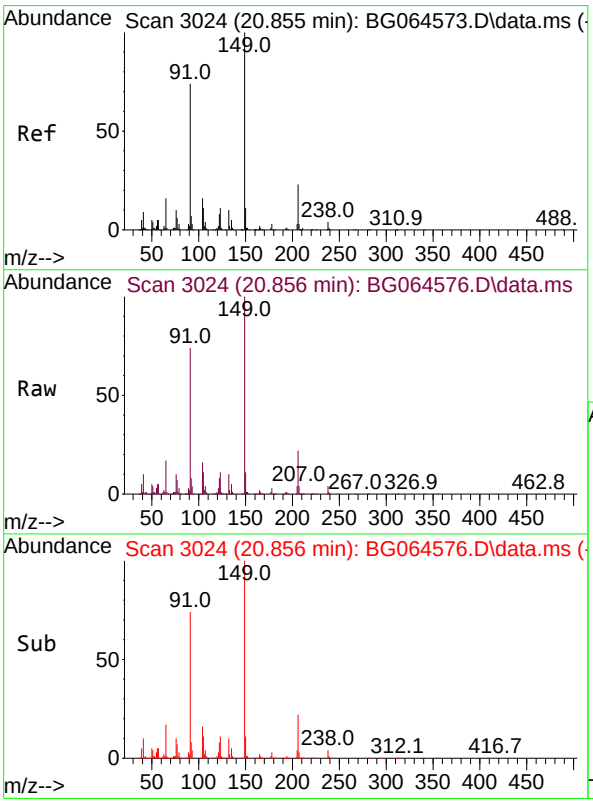
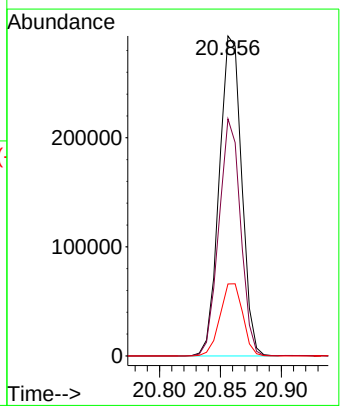


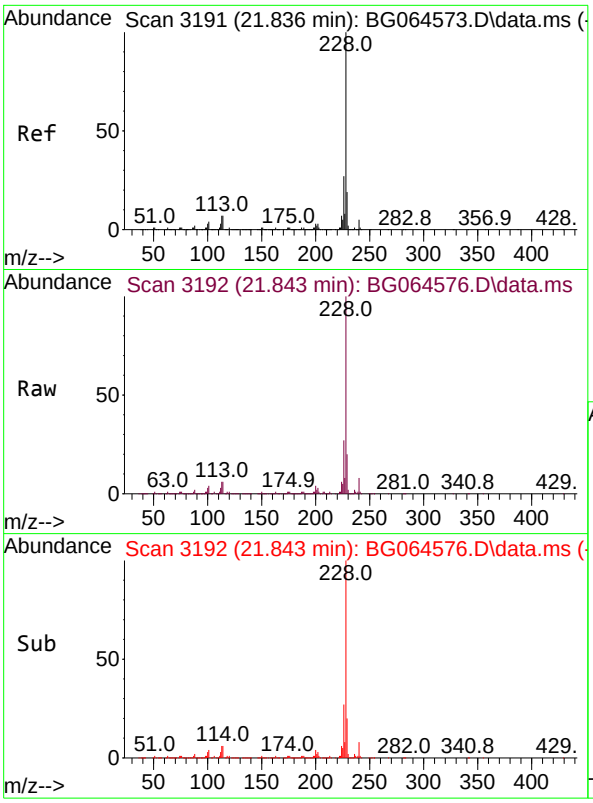


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 374611

Ion	Ratio	Lower	Upper
149	100		
91	74.1	59.2	88.8
206	22.5	18.1	27.1

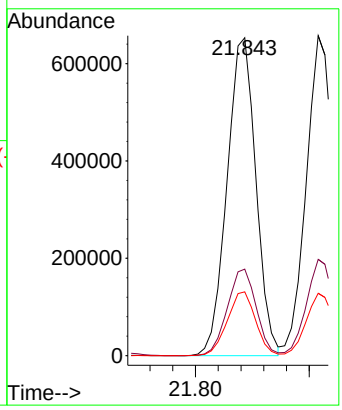




#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 115124

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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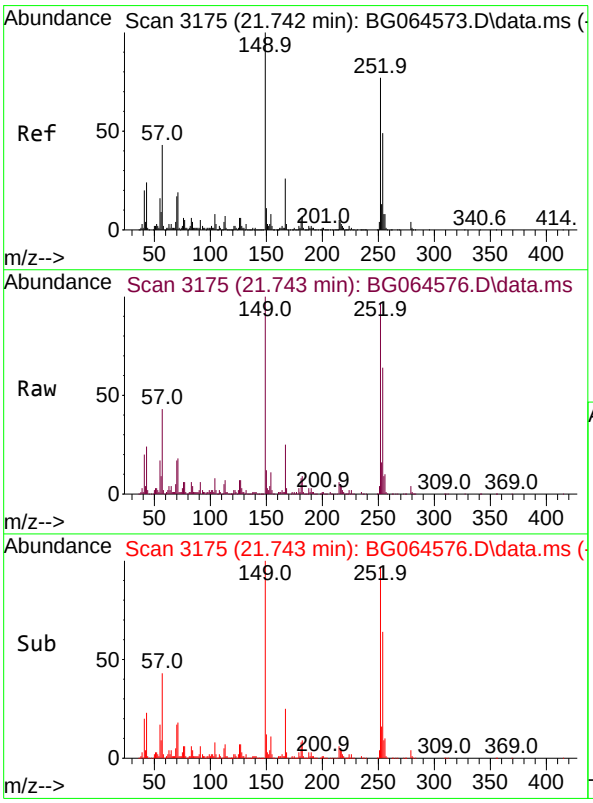
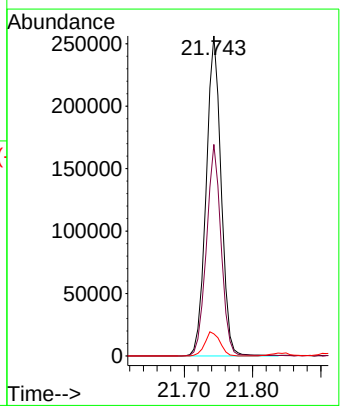
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

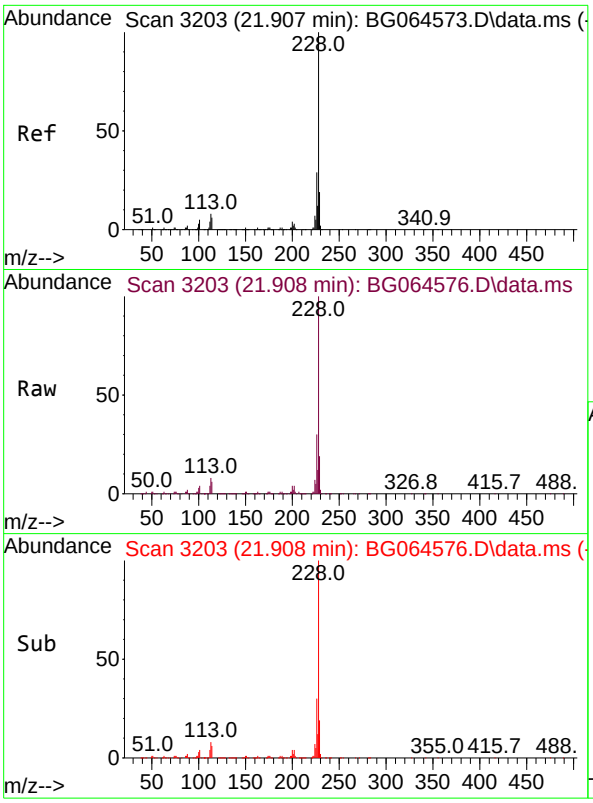


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240

Ion	Ratio	Lower	Upper
252	100		
254	66.1	50.8	76.2
126	6.9	5.8	8.6

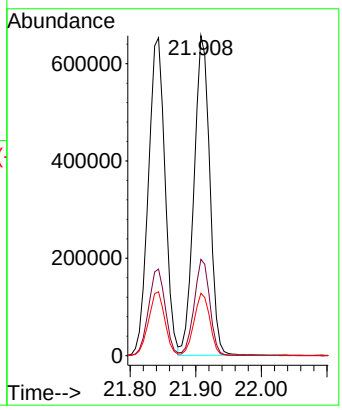




#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

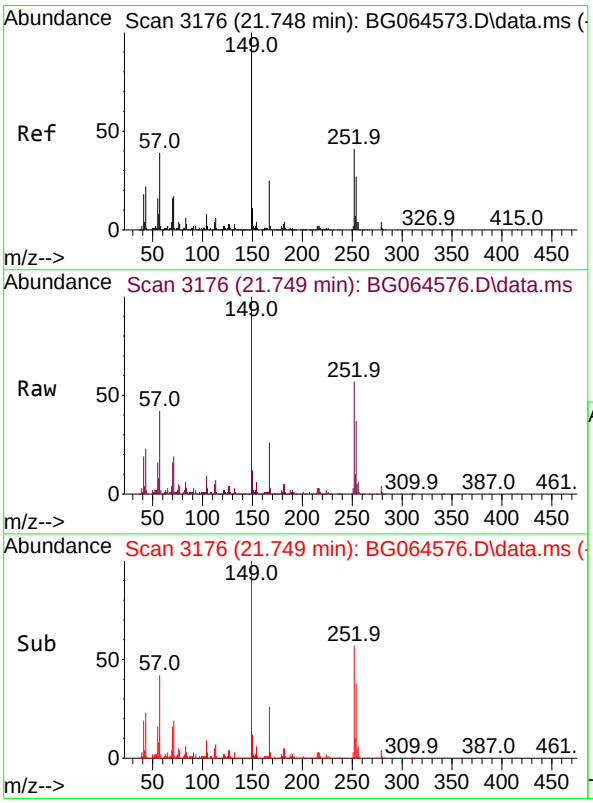
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

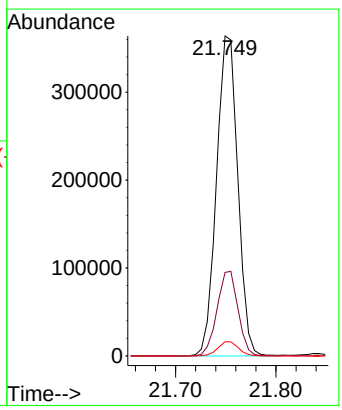
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

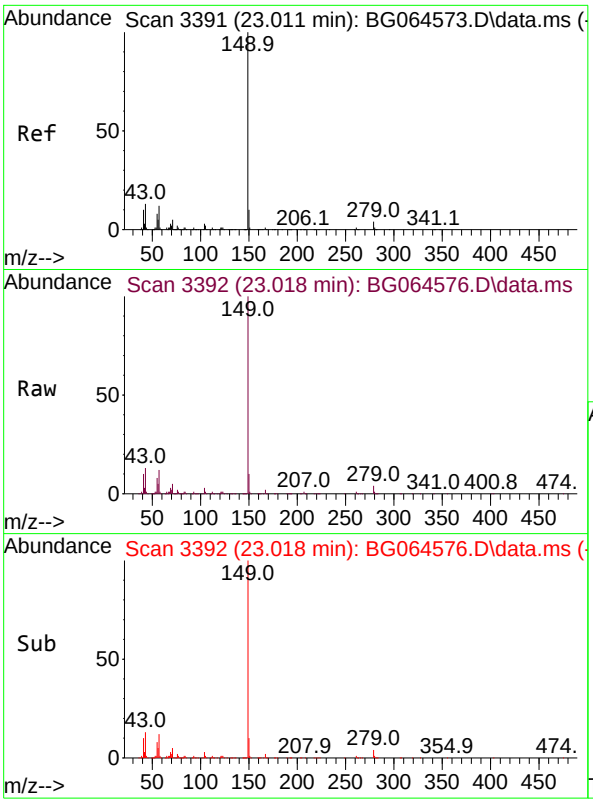


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 537716

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.0	30.0
279	4.4	3.1	4.7

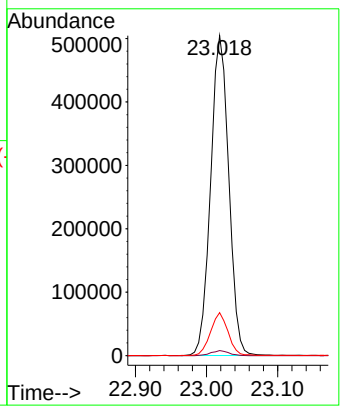




#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 89676

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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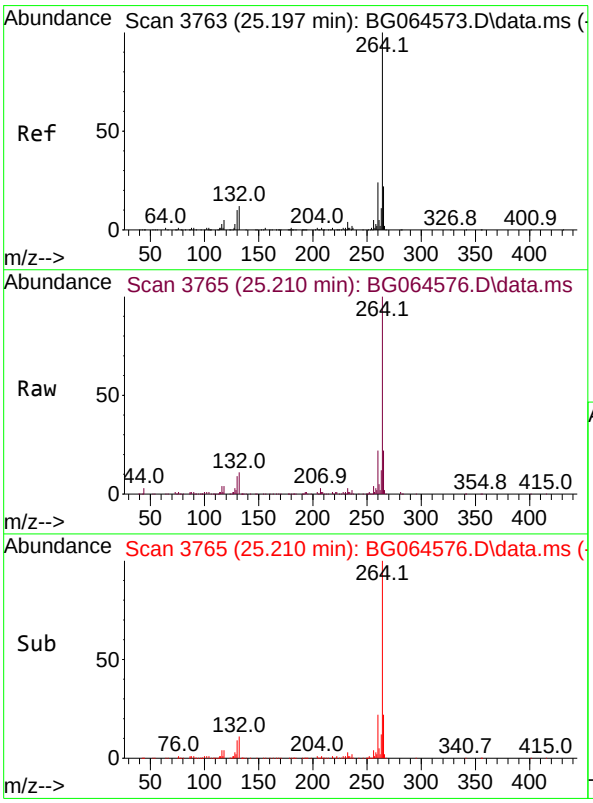
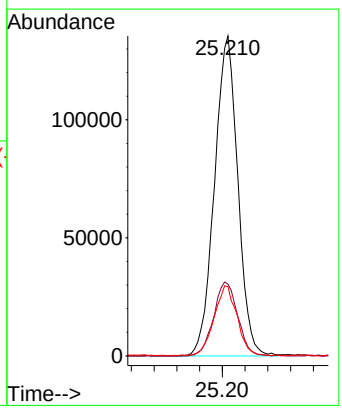
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

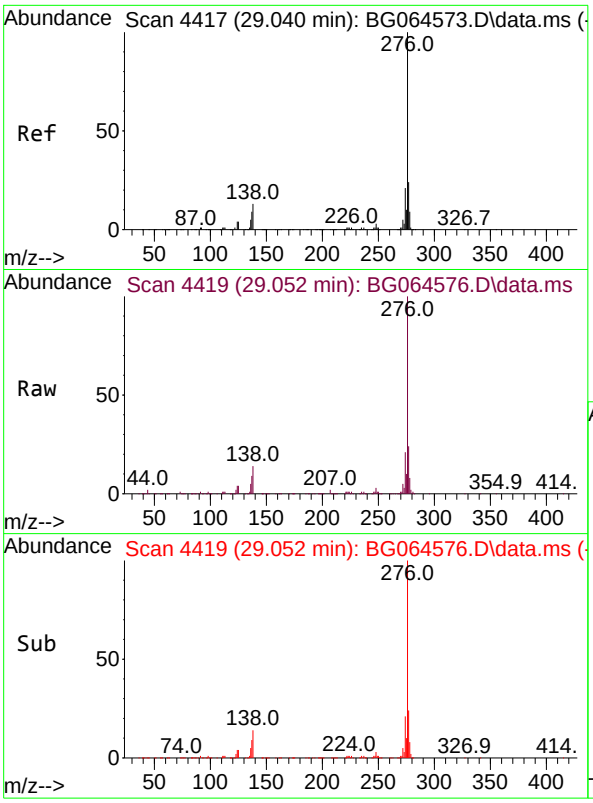


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:264 Resp: 385865

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	21.7	17.6	26.4

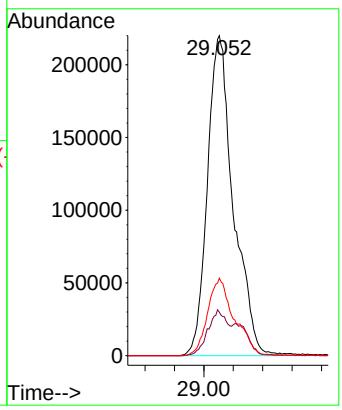




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 134618

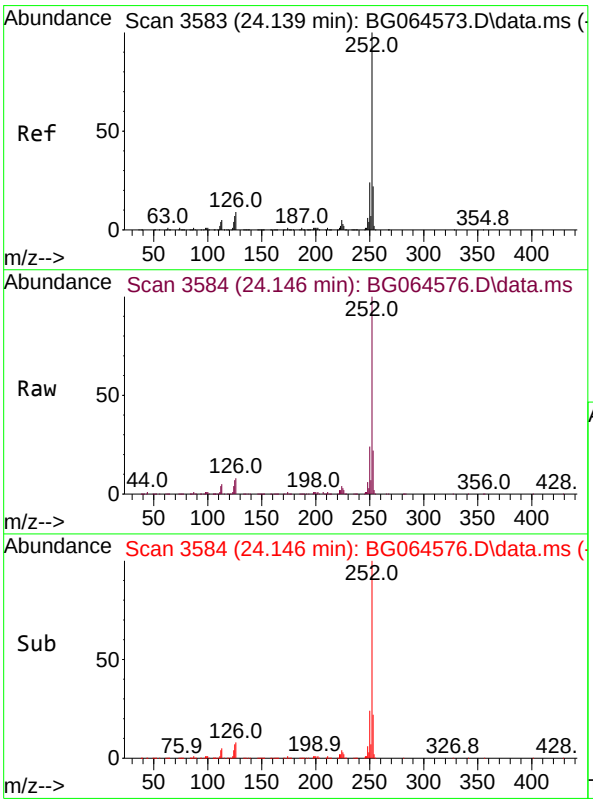
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	24.8	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

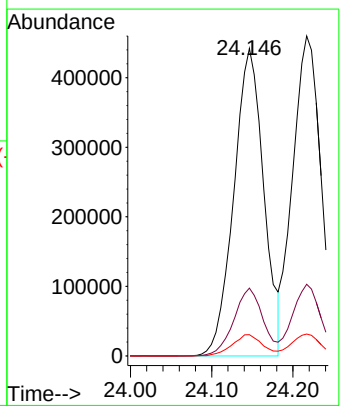
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

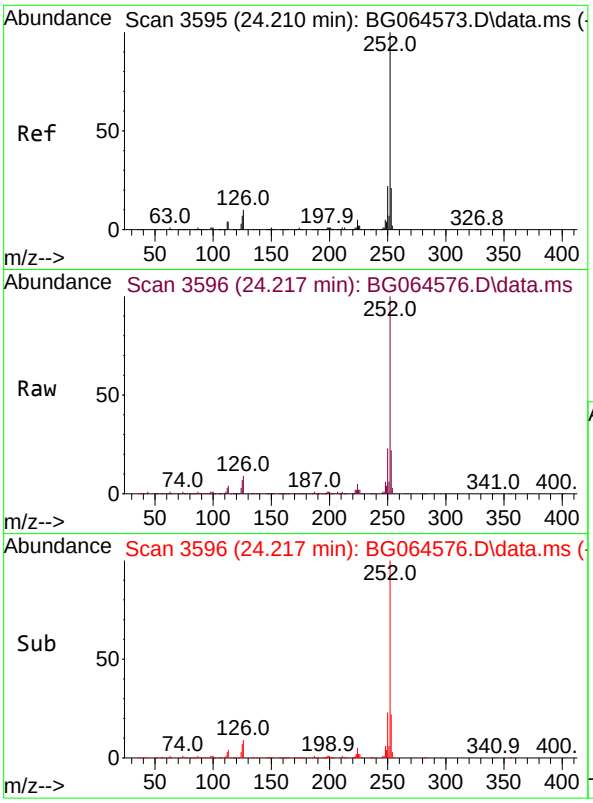


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1131250

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	6.9	5.6	8.4

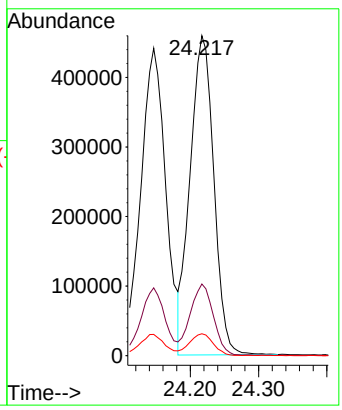




#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 111049

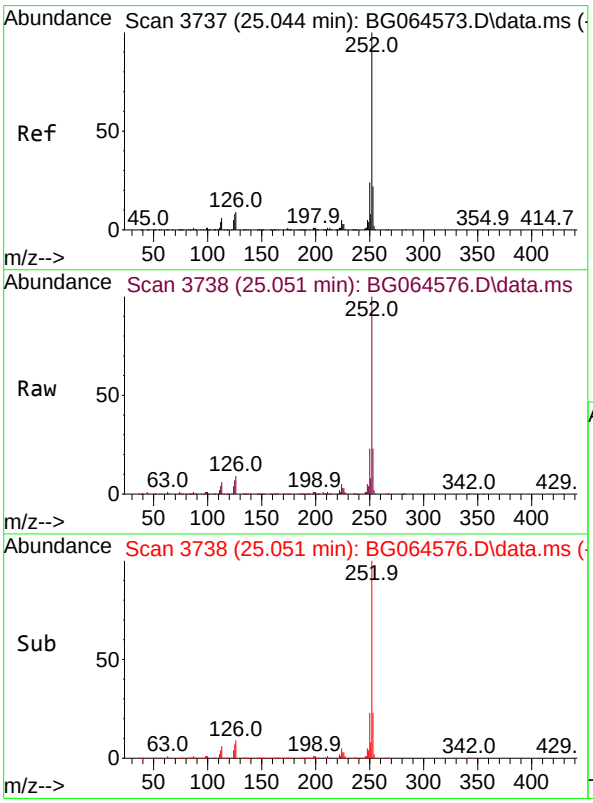
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.8	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

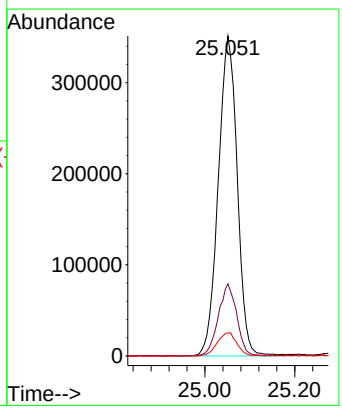
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

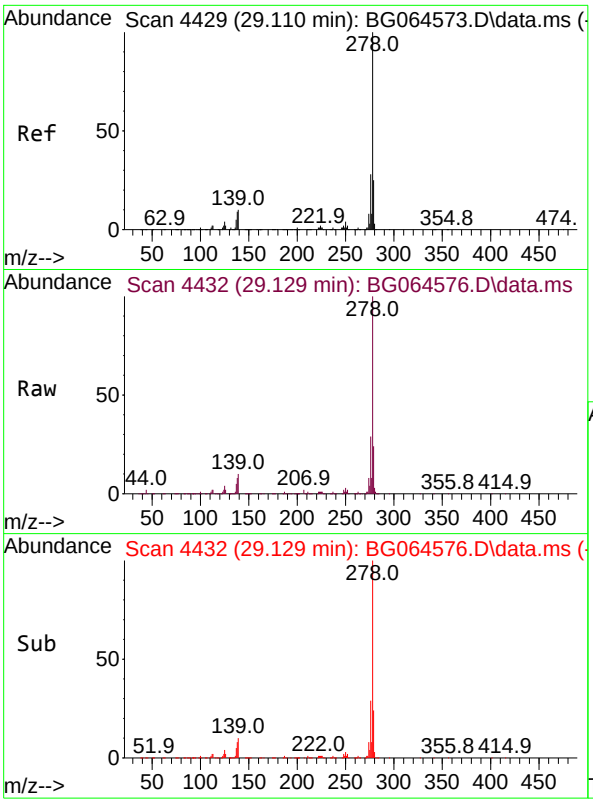


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1029605

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.2	6.1	9.1

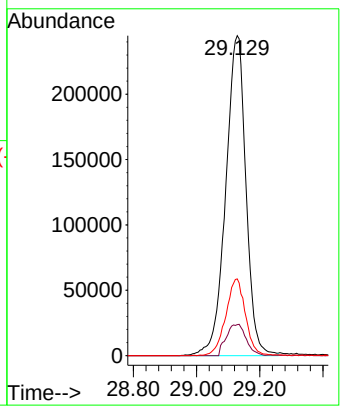




#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 44
Delta R.T. 0.019 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:278 Resp: 109040

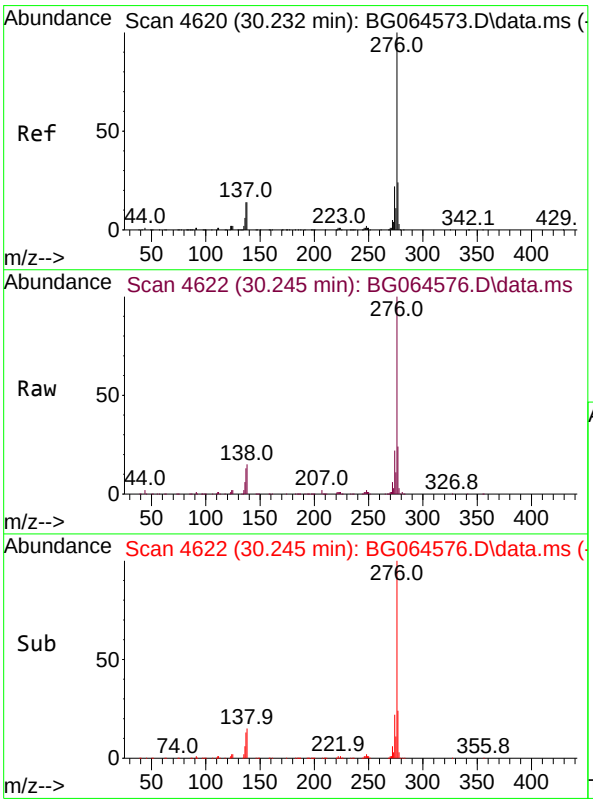
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

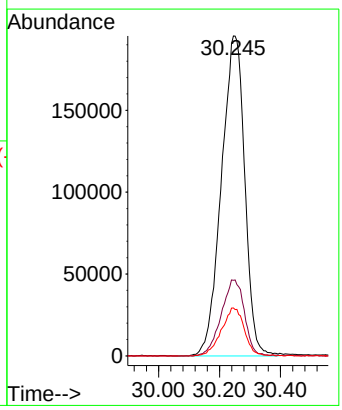
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 47.184 ng
RT: 30.245 min Scan# 4622
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1039447

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.0	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.623	93	86447	34.973	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.634	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.651	107	85863	38.466	ng	93
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	94545	40.491	ng	99
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	48162	29.620	ng	96
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.513	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

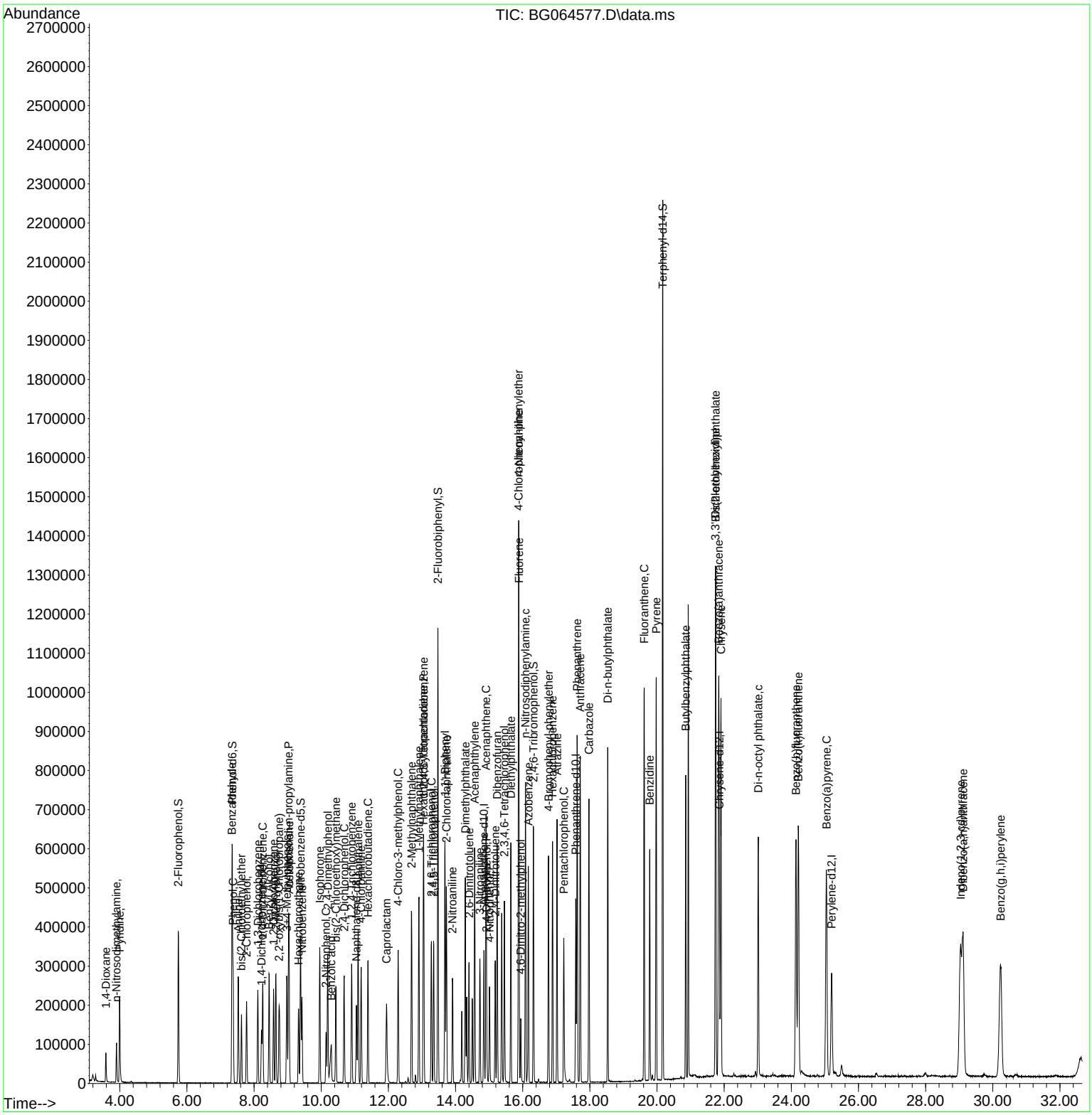
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng		99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng		99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng		97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng		96
49) Acenaphthylene	14.568	152	435836	41.457	ng		98
50) Dimethylphthalate	14.292	163	350600	36.890	ng		100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng		100
52) Acenaphthene	14.908	154	253833	35.340	ng		98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng		99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	#	56
55) Dibenzofuran	15.237	168	419154	36.096	ng		97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng		92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng		96
58) Fluorene	15.890	166	328636	36.238	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng		97
60) Diethylphthalate	15.649	149	348964	35.961	ng		99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902	ng		99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng		97
63) Azobenzene	16.172	77	323432	36.325	ng		97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng		94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng		98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng		97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng		96
69) Atrazine	17.024	200	130007	38.558	ng		96
70) Pentachlorophenol	17.223	266	85166	34.829	ng		90
71) Phenanthrene	17.623	178	569825	35.925	ng		99
72) Anthracene	17.717	178	584246	36.210	ng		99
73) Carbazole	17.975	167	498849	35.061	ng		99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng		99
75) Fluoranthene	19.621	202	676996	34.070	ng		99
77) Benzidine	19.785	184	356547	54.203	ng		99
78) Pyrene	19.979	202	693068	36.130	ng		99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng		98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng		99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng		96
83) Chrysene	21.906	228	658217	35.533	ng		98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng		96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng		99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng		99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng		99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng		99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng		98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng		96
92) Benzo(g,h,i)perylene	30.232	276	653564	37.302	ng		98

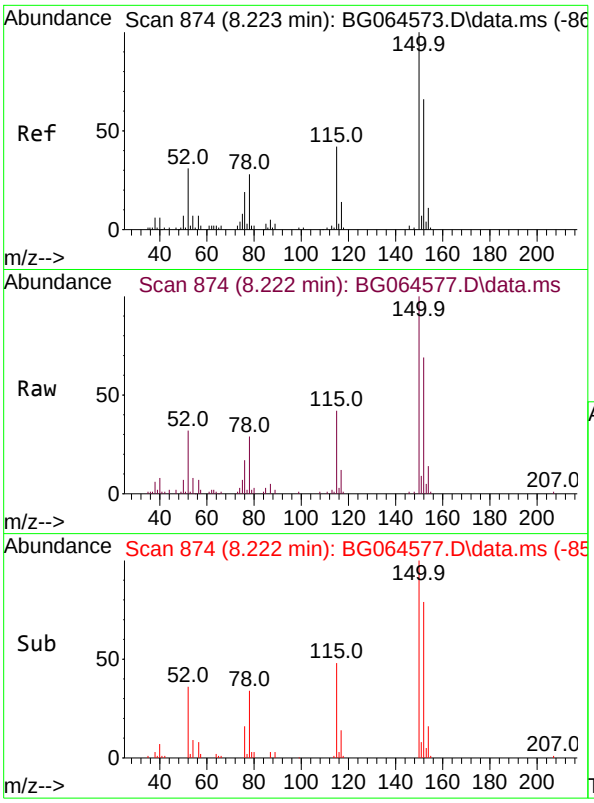
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



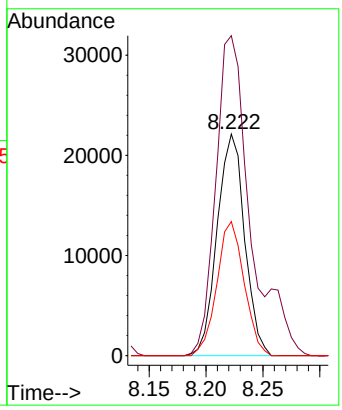


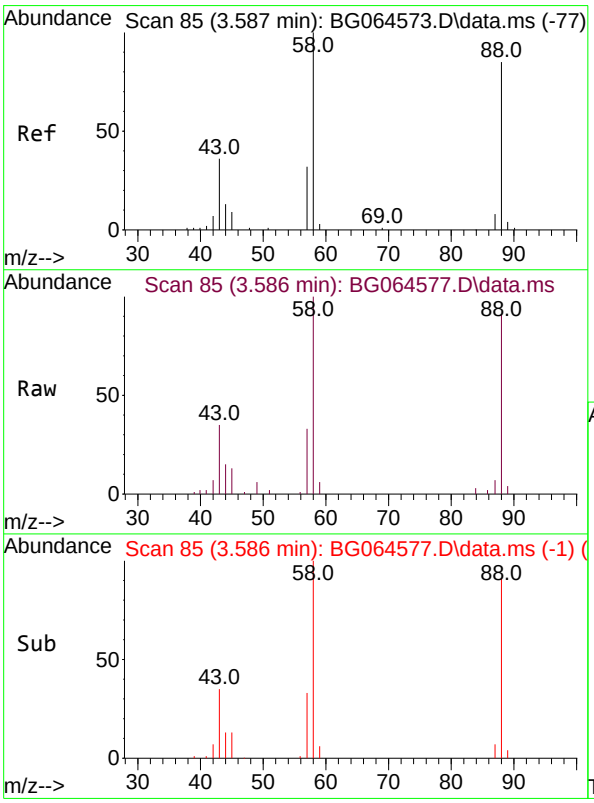
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 37186

Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.2	183.4
115	60.5	50.8	76.2

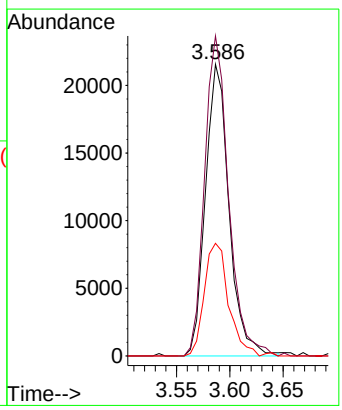


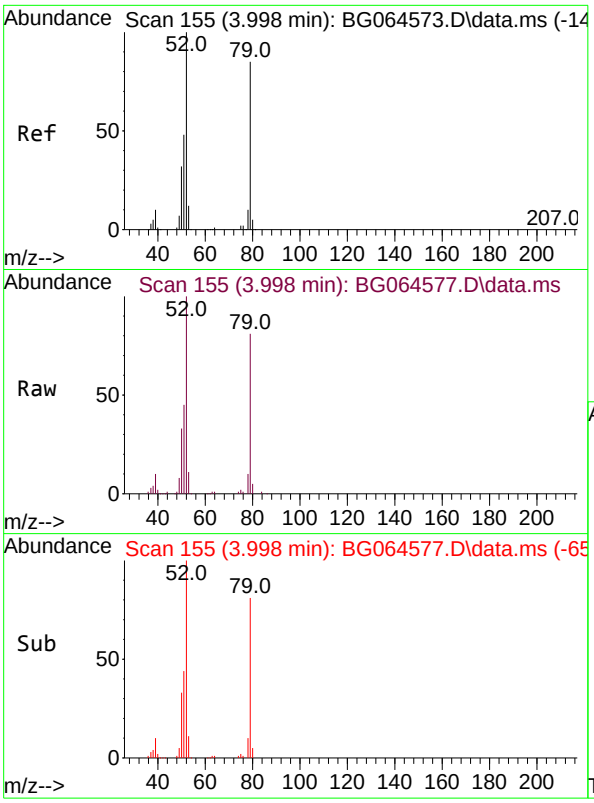


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 88 Resp: 33172

Ion	Ratio	Lower	Upper
88	100		
58	111.8	92.4	138.6
43	40.1	33.0	49.6



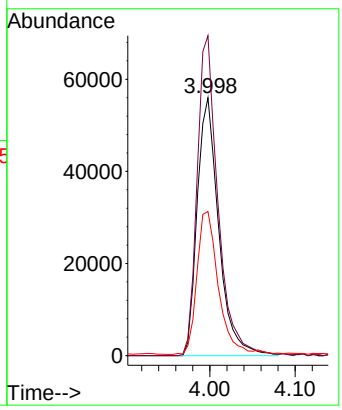


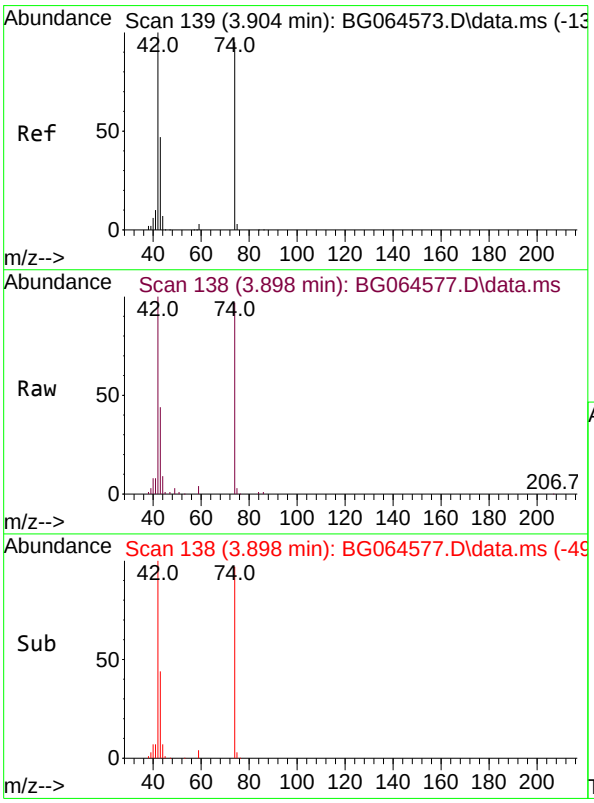
#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 98123

Ion	Ratio	Lower	Upper
79	100		
52	124.1	94.2	141.2
51	55.8	46.1	69.1

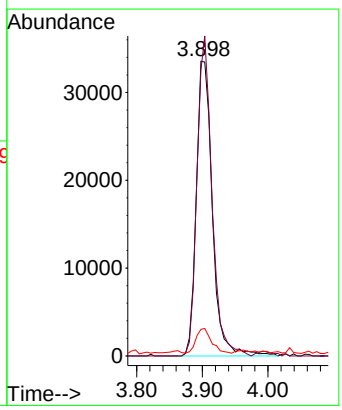


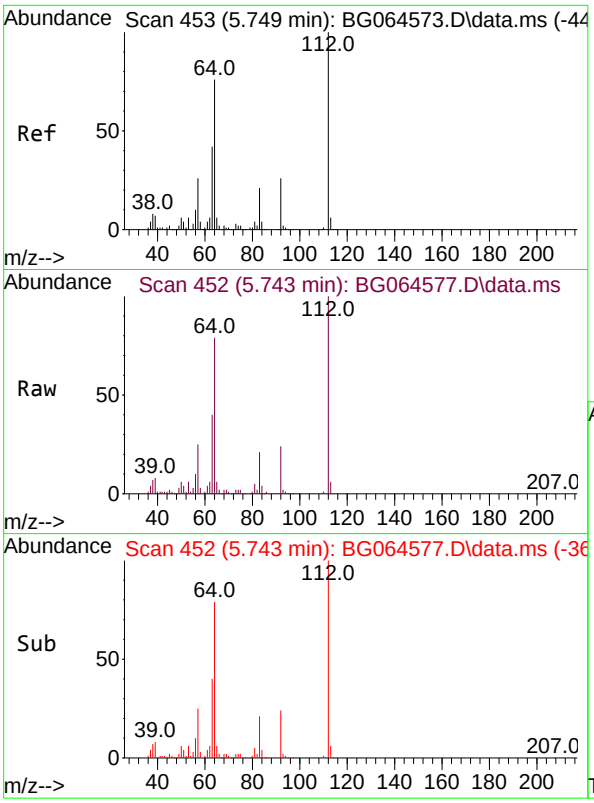


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 42 Resp: 56903

Ion	Ratio	Lower	Upper
42	100		
74	97.0	76.1	114.1
44	9.0	6.3	9.5



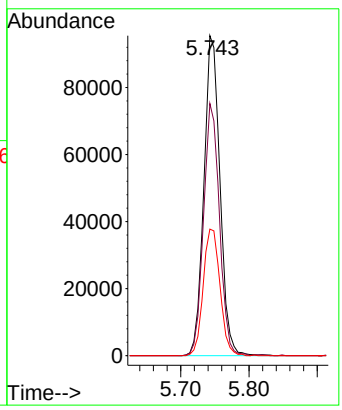


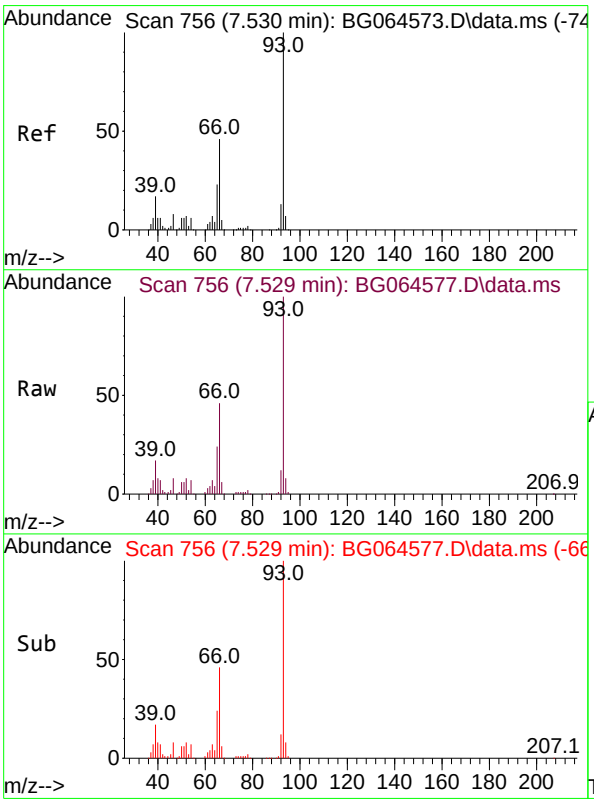
#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:112 Resp: 156266

Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	39.5	33.4	50.0

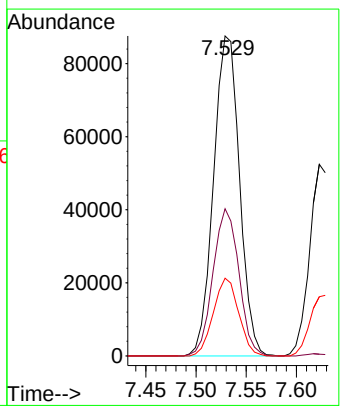


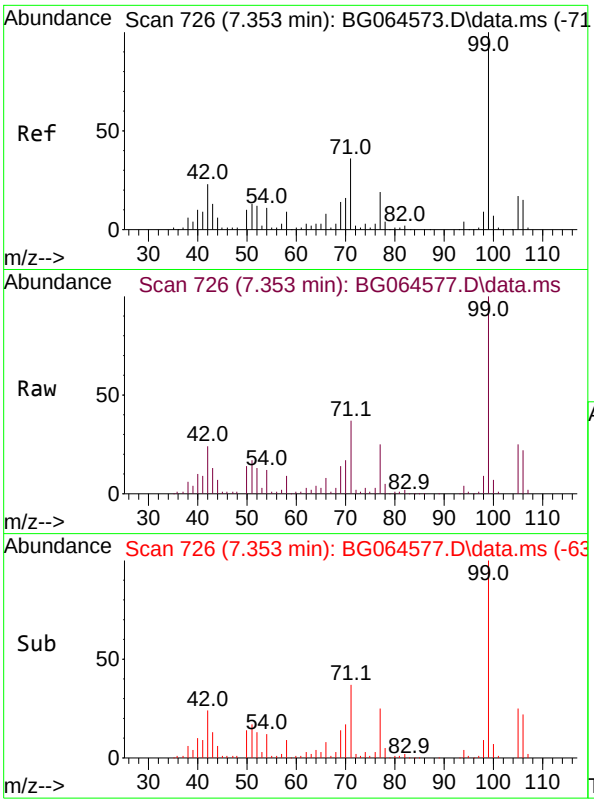


#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.0	55.6
65	24.3	18.3	27.5



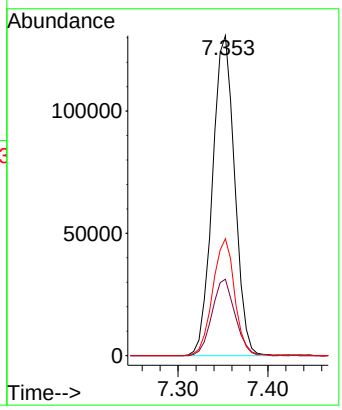


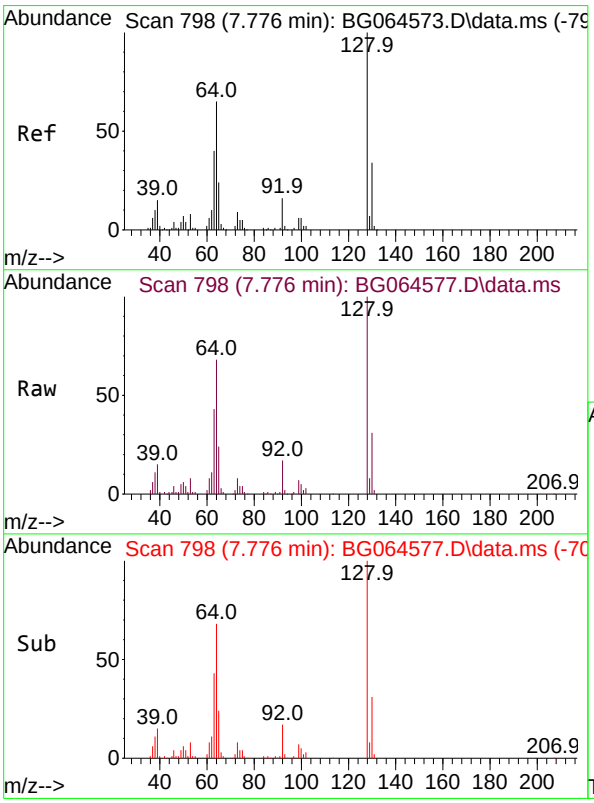
#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 99 Resp: 225294

Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0

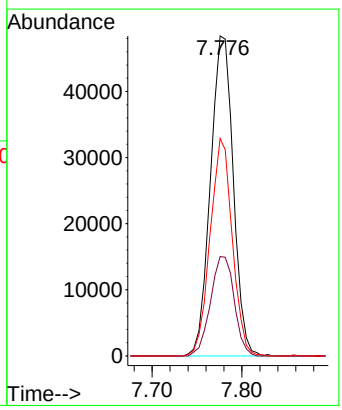


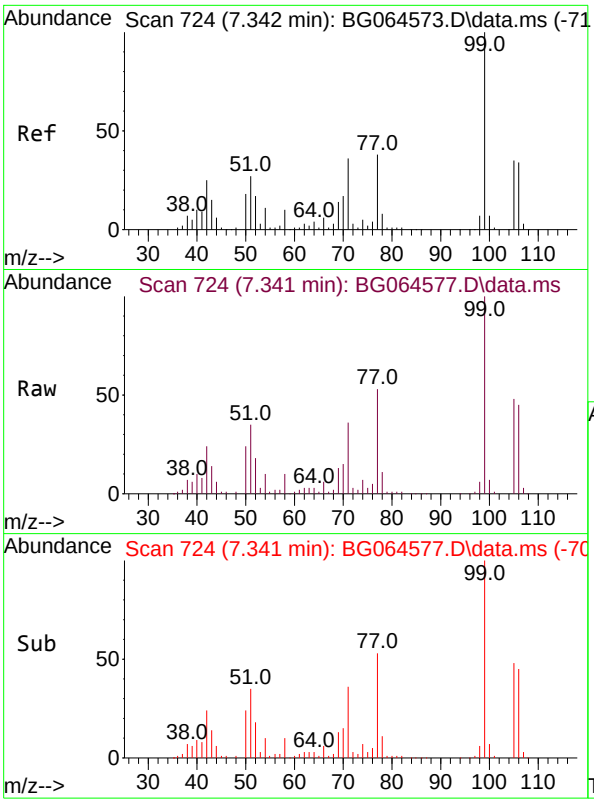


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 85755

Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.5	53.5
64	67.9	45.2	85.2



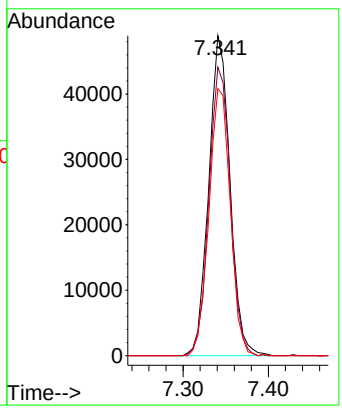


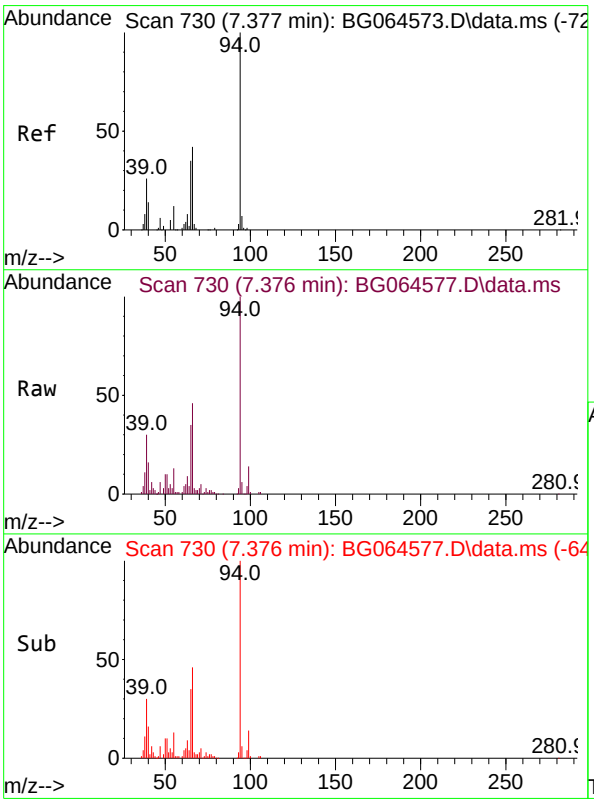
#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 84516

Ion	Ratio	Lower	Upper
77	100		
105	90.1	72.9	112.9
106	83.4	70.8	110.8

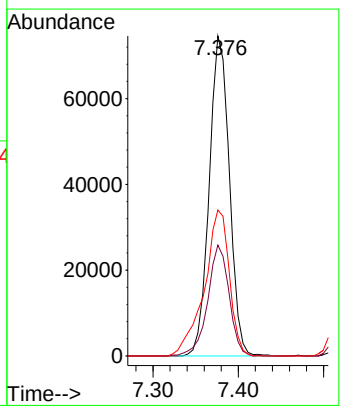


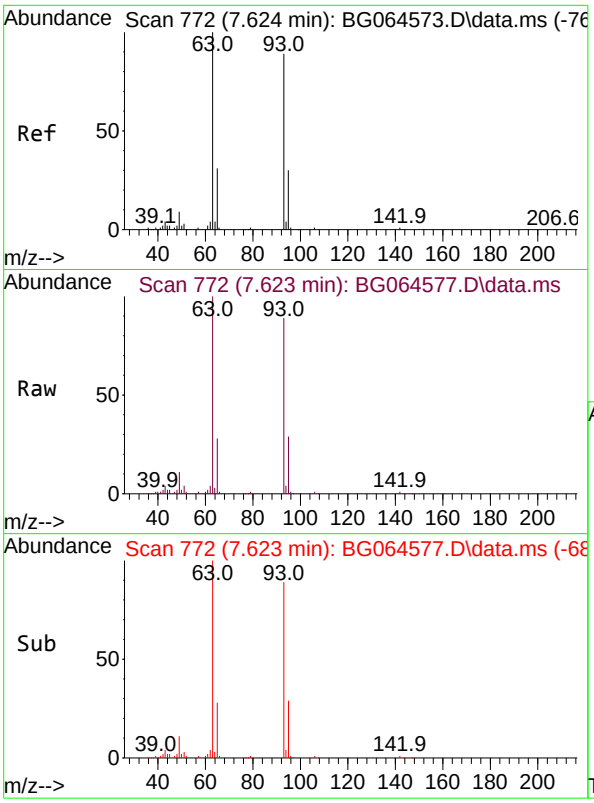


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 94 Resp: 122412

Ion	Ratio	Lower	Upper
94	100		
65	34.6	15.8	55.8
66	45.6	24.0	64.0



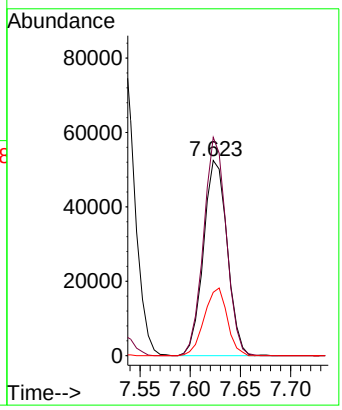


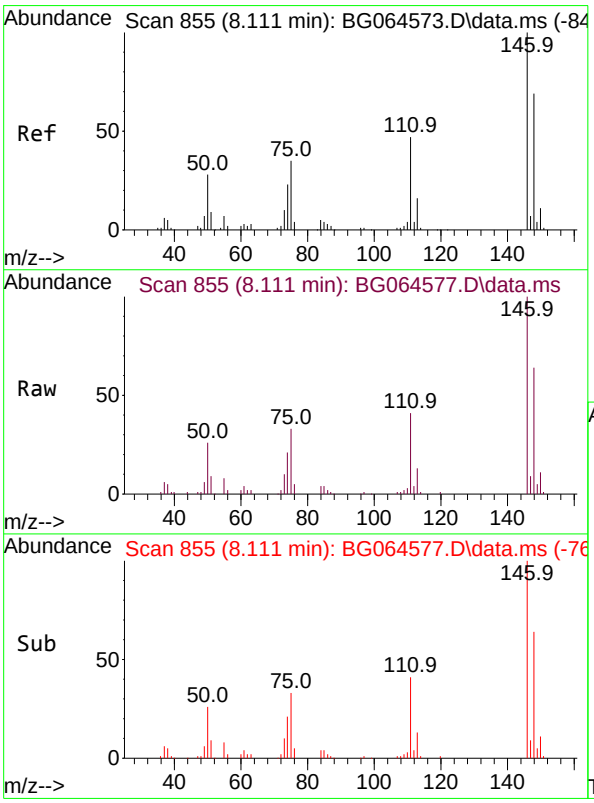
#11
bis(2-Chloroethyl)ether
Concen: 34.973 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 93 Resp: 86447

Ion	Ratio	Lower	Upper
93	100		
63	111.9	91.3	131.3
95	32.5	13.3	53.3

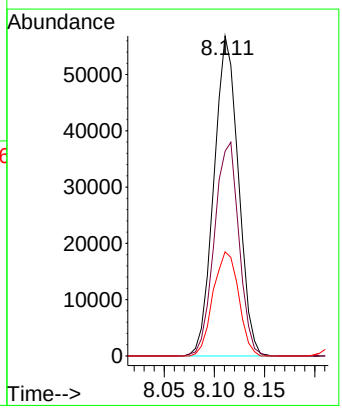


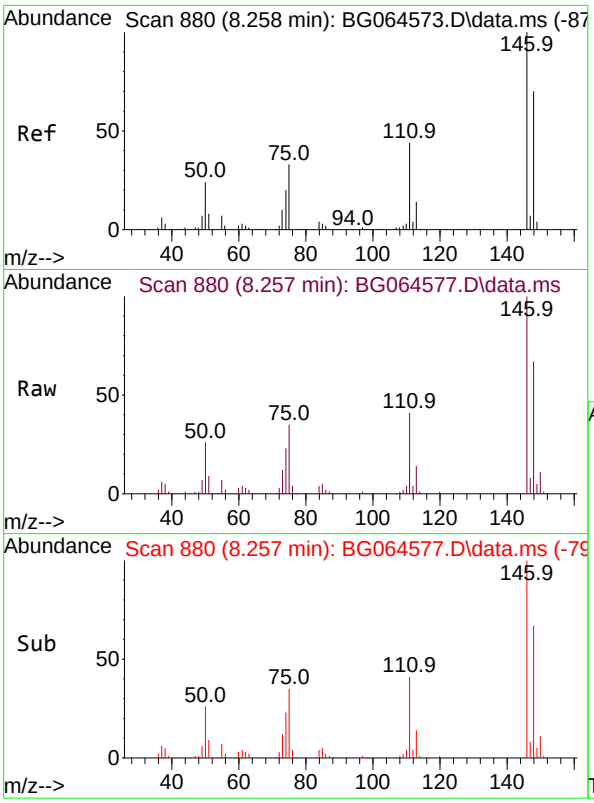


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96308

Ion	Ratio	Lower	Upper
146	100		
148	63.9	55.3	82.9
75	32.5	28.2	42.2



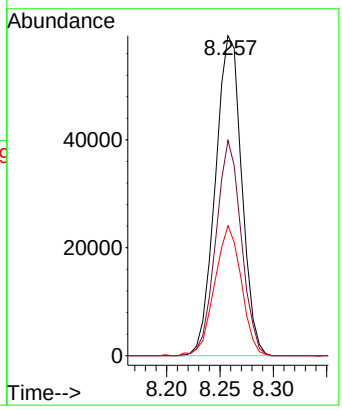


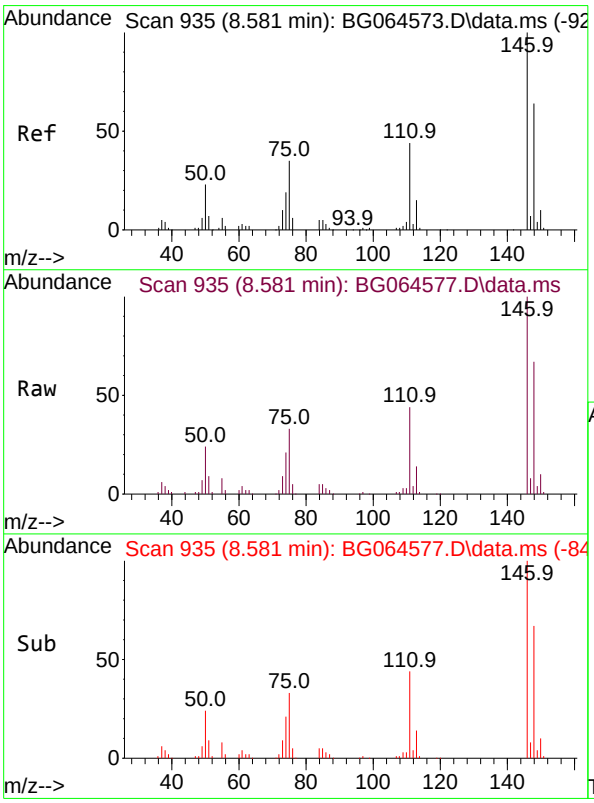
#13
1,4-Dichlorobenzene
Concen: 37.634 ng
RT: 8.257 min Scan# 88
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:146 Resp: 102132

Ion	Ratio	Lower	Upper
146	100		
148	67.2	56.2	84.4
111	40.6	35.4	53.0

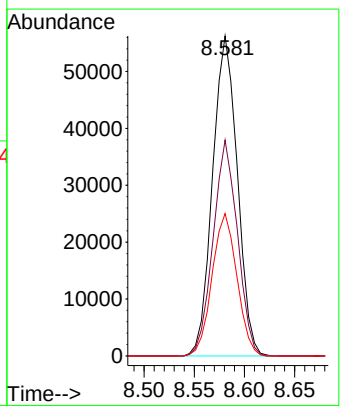


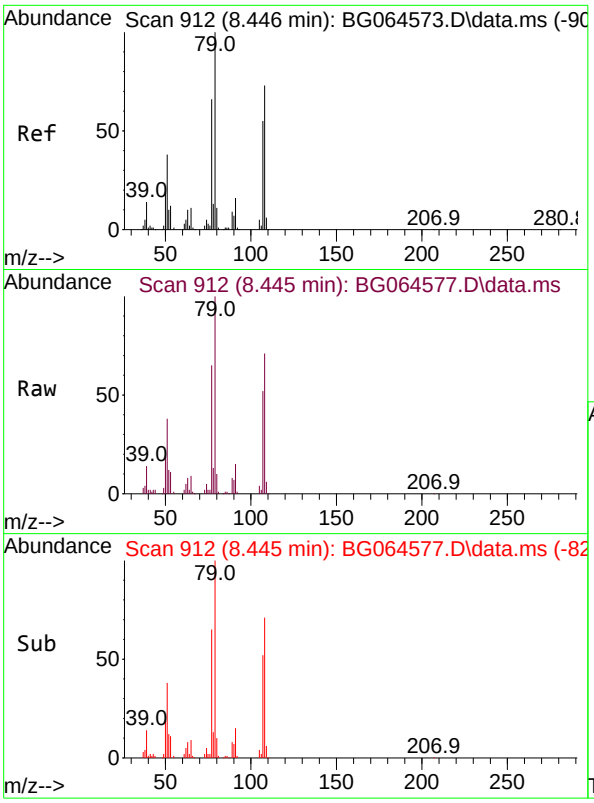


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96651

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.5	77.3
111	44.5	35.0	52.6



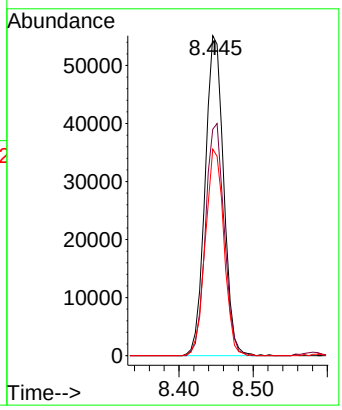


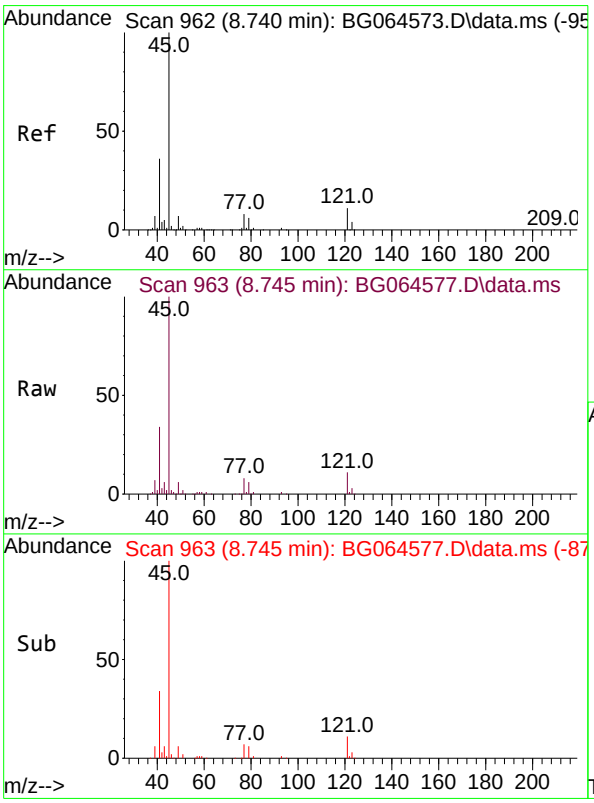
#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 95250

Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2

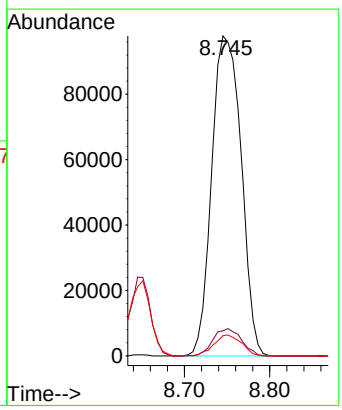


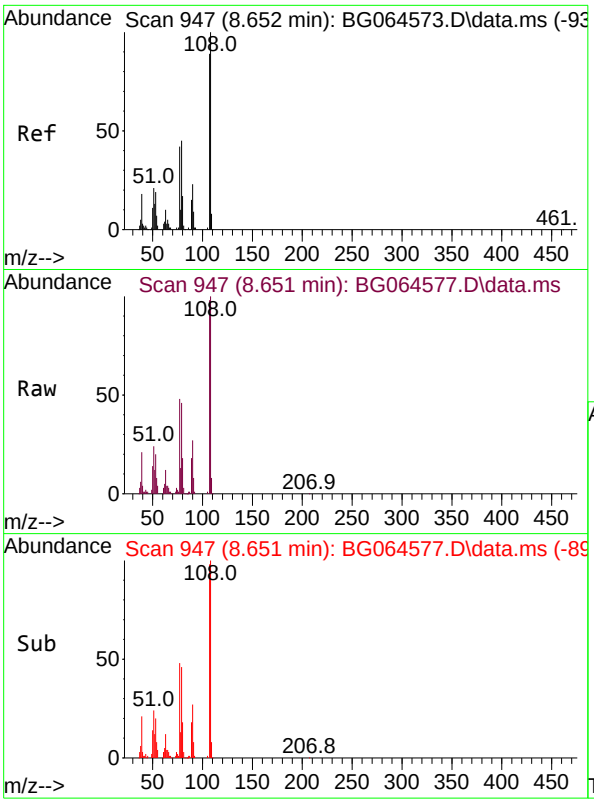


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 45 Resp: 234476

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6



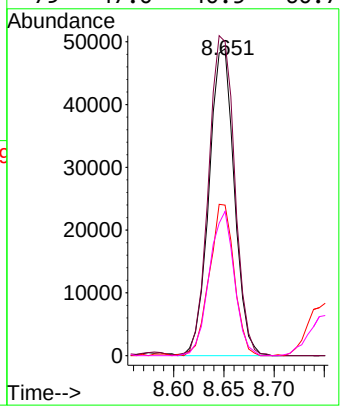


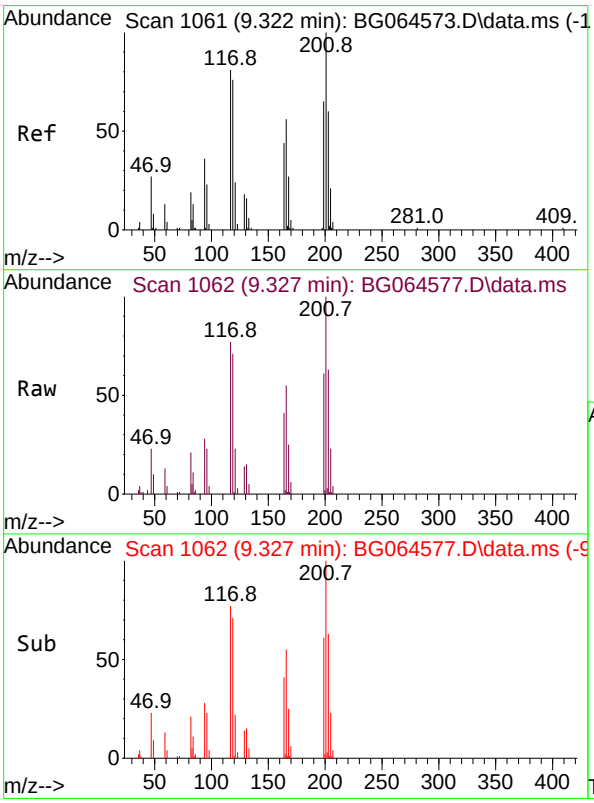
#17
2-Methylphenol
Concen: 38.466 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:107 Resp: 85863

Ion	Ratio	Lower	Upper
107	100		
108	102.3	90.0	135.0
77	49.0	37.8	56.8
79	47.0	40.5	60.7

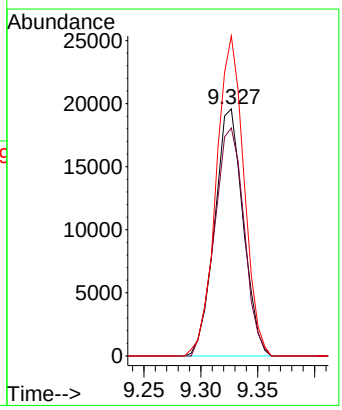


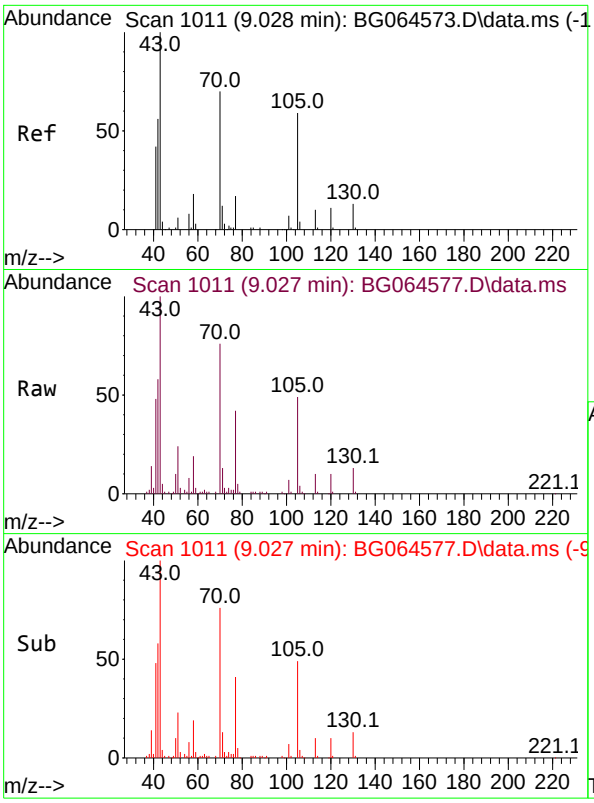


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:117 Resp: 34040

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.4	113.2
201	129.6	99.2	148.8



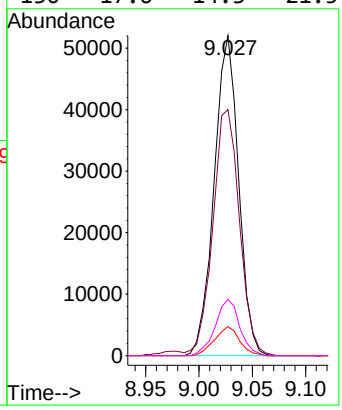


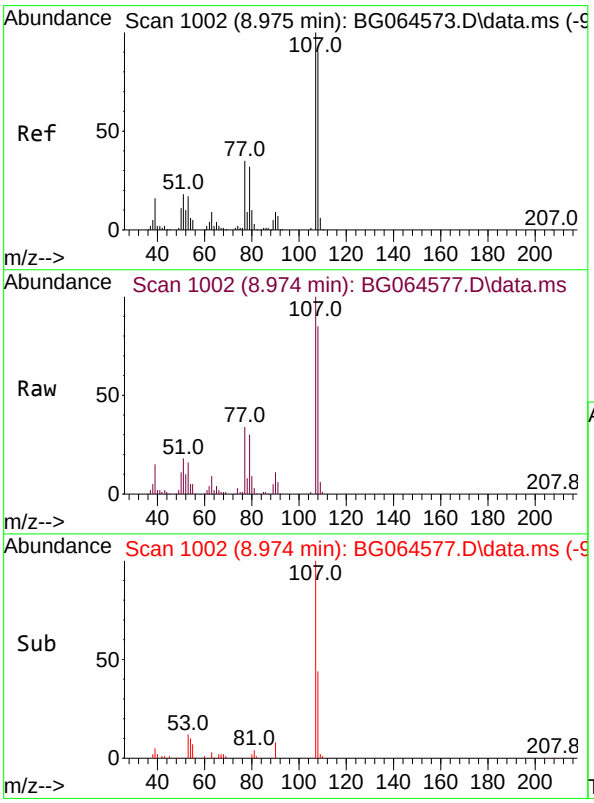
#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 70 Resp: 83140

Ion	Ratio	Lower	Upper
70	100		
42	76.9	65.2	97.8
101	9.1	7.9	11.9
130	17.6	14.3	21.5

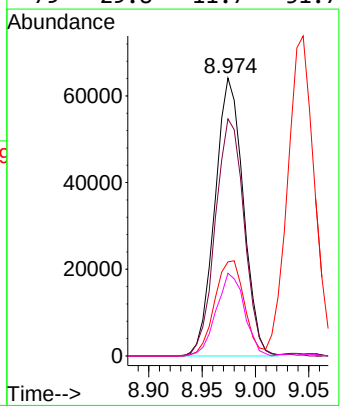


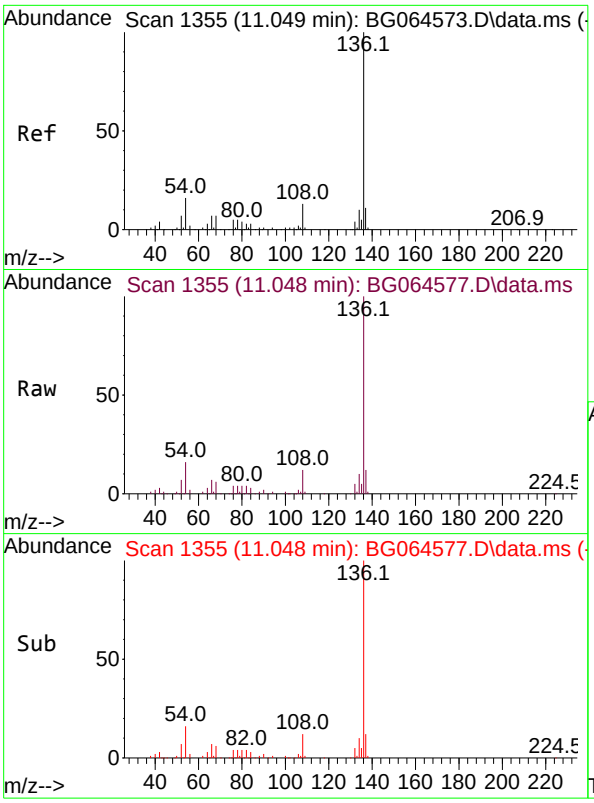


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 118917

Ion	Ratio	Lower	Upper
107	100		
108	85.3	70.3	110.3
77	33.8	14.6	54.6
79	29.8	11.7	51.7



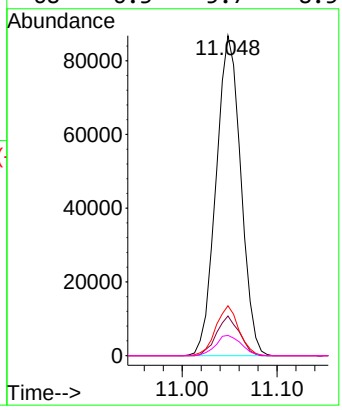


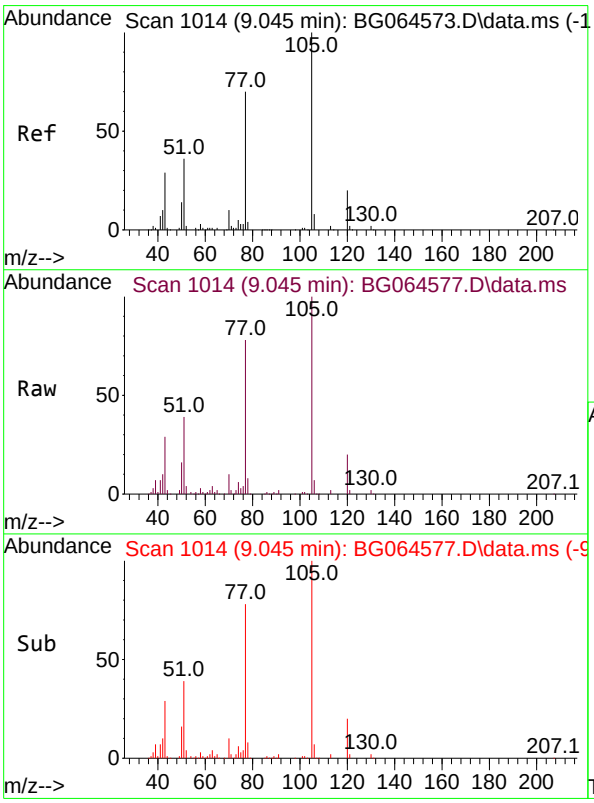
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:136 Resp: 157125

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.3	5.7	8.5

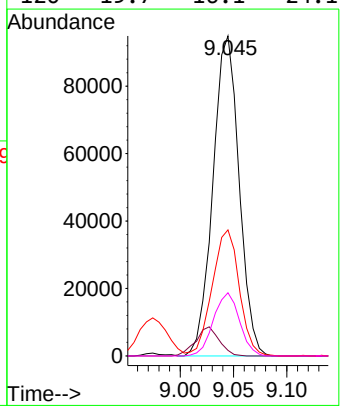


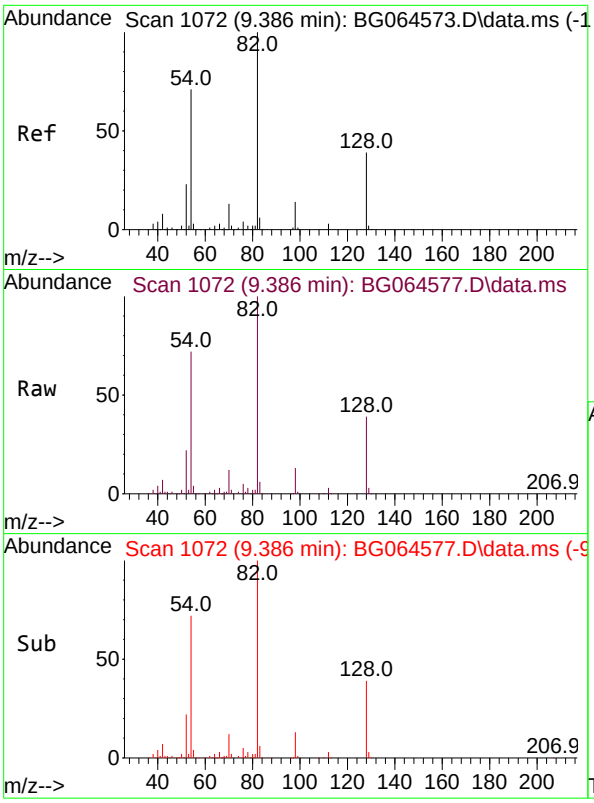


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.5	2.3
51	39.4	33.7	50.5
120	19.7	16.1	24.1



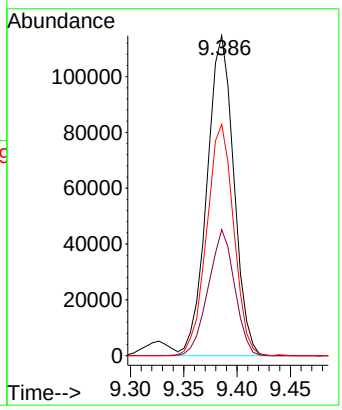


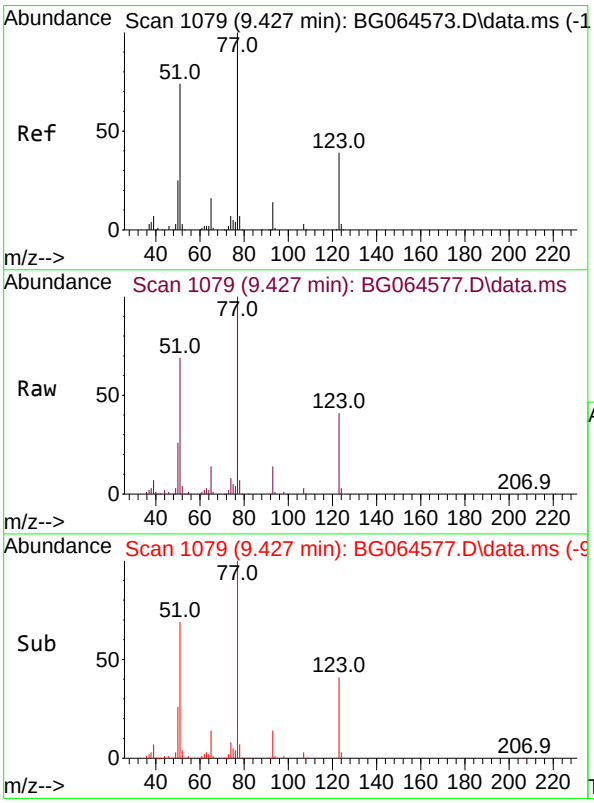
#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 200749

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.3	46.9
54	72.3	56.6	84.8

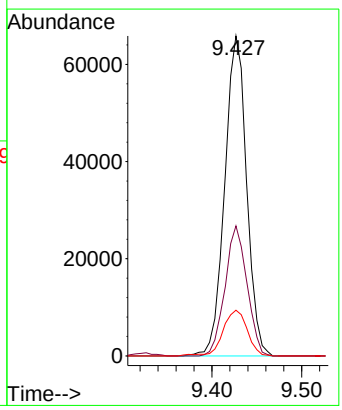


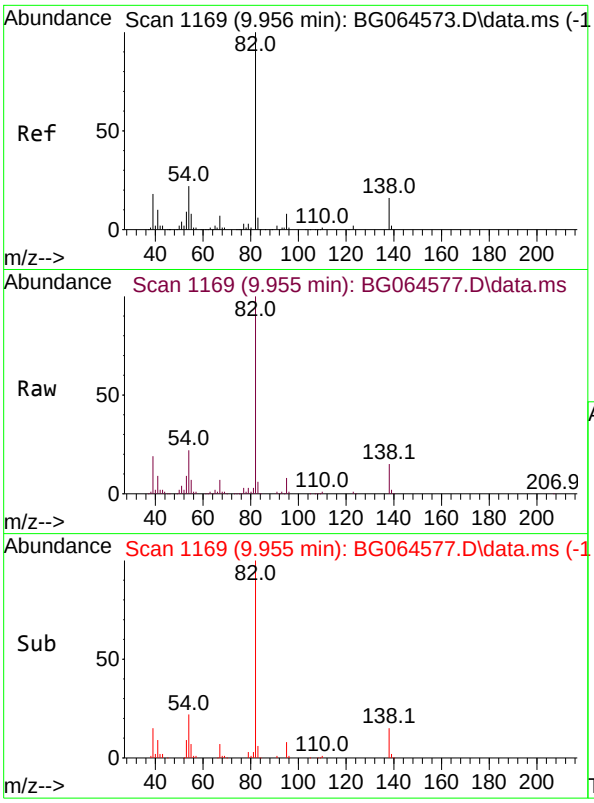


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 111836

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	14.3	12.7	19.1



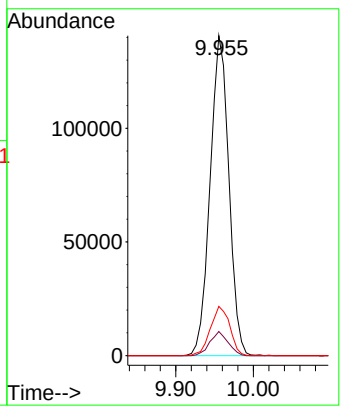


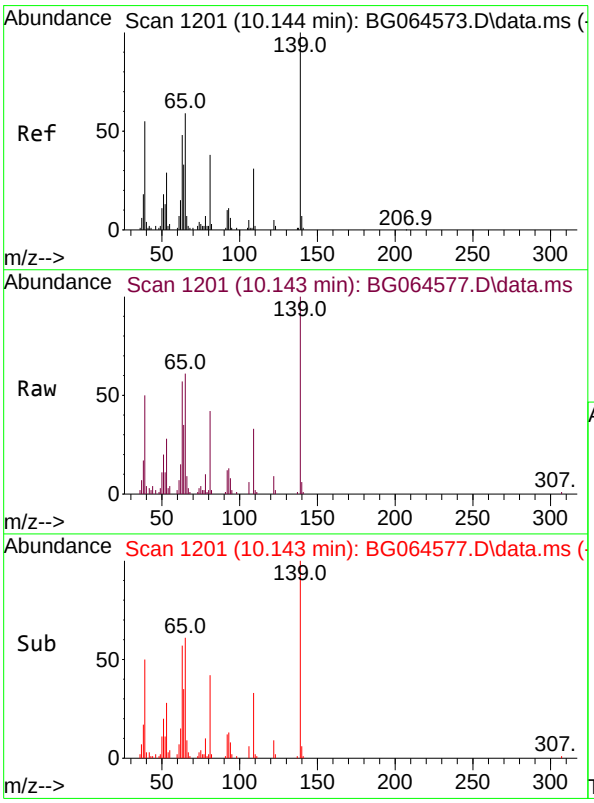
#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 236860

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.4	13.0	19.4

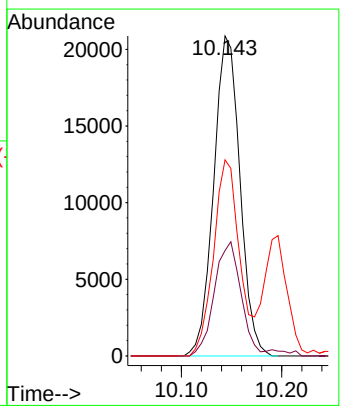


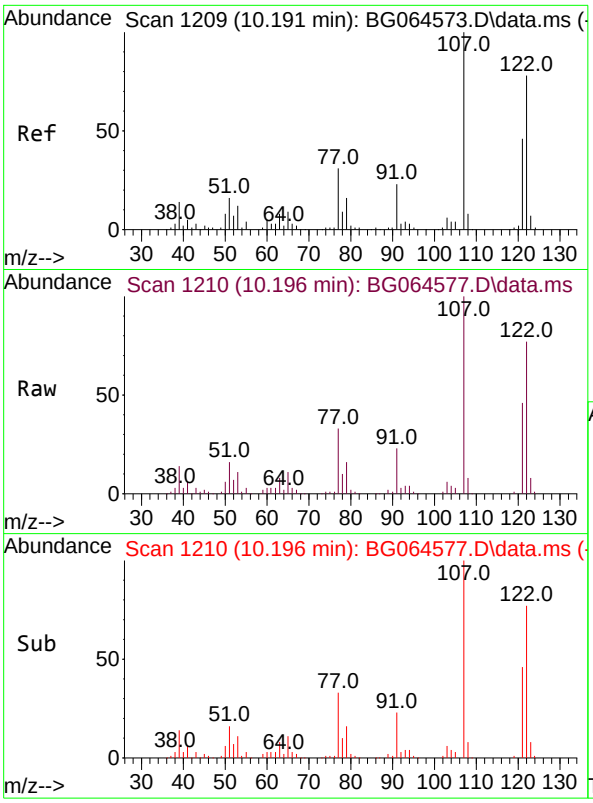


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 38013

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	61.3	47.5	71.3



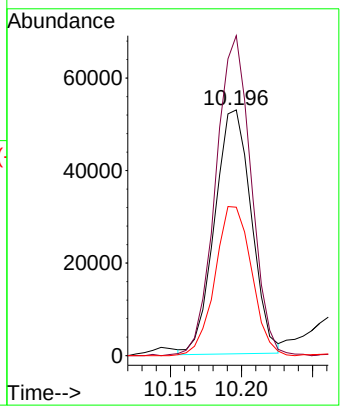


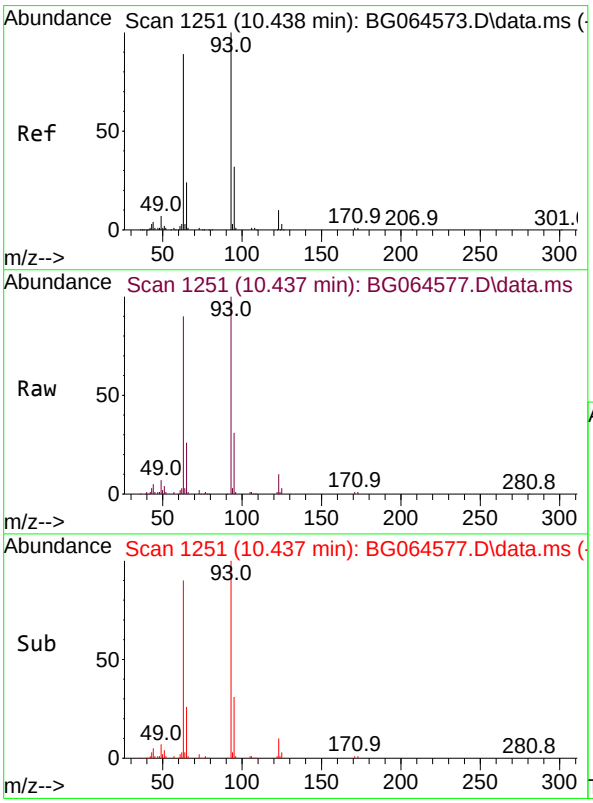
#27
2,4-Dimethylphenol
Concen: 40.491 ng
RT: 10.196 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:122 Resp: 94545

Ion	Ratio	Lower	Upper
122	100		
107	130.3	103.0	154.4
121	60.4	47.8	71.8

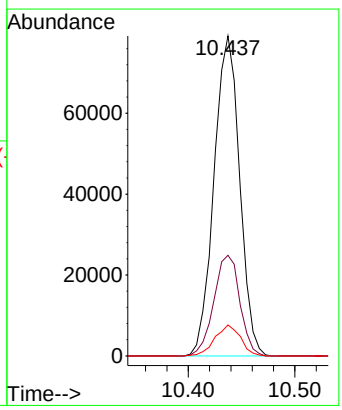


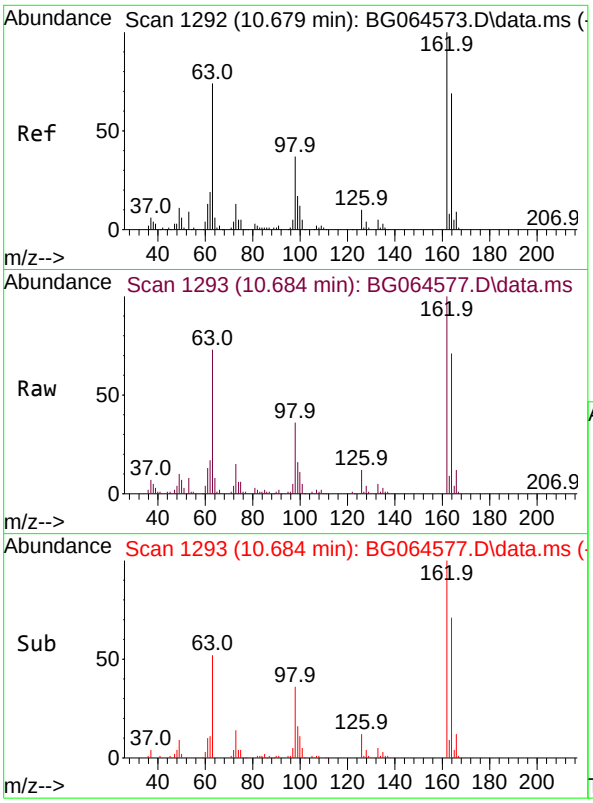


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 132072

Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.4	38.2
123	9.7	8.4	12.6



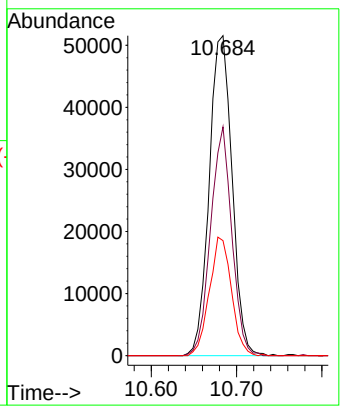


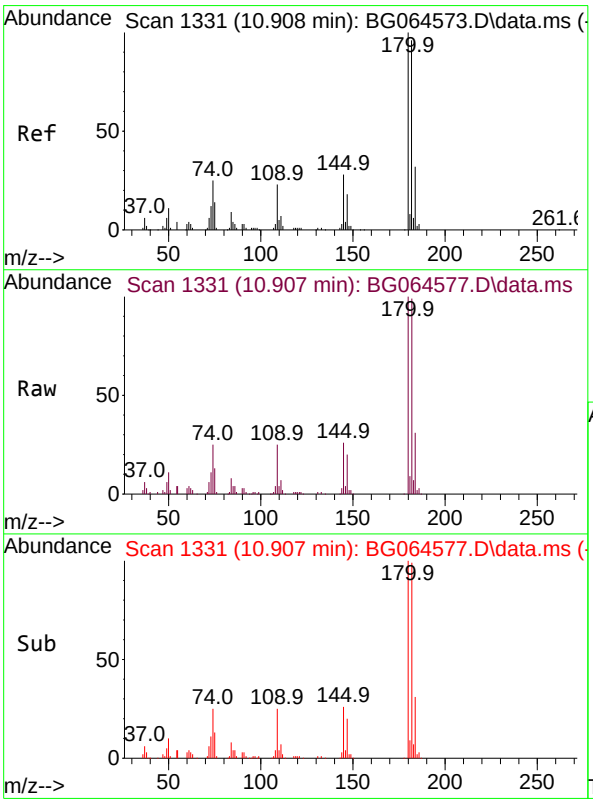
#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:162 Resp: 95966

Ion	Ratio	Lower	Upper
162	100		
164	71.5	48.7	88.7
98	35.9	16.9	56.9

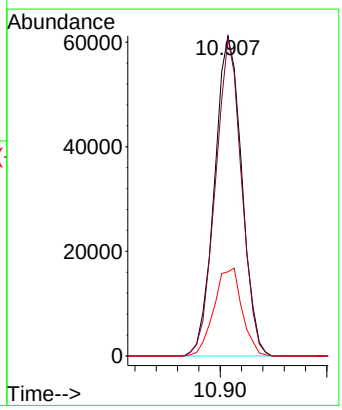


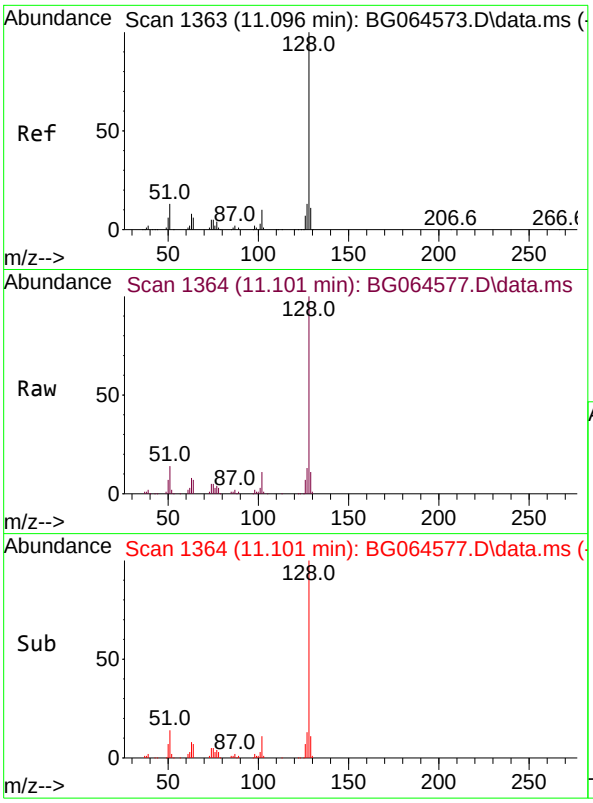


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:180 Resp: 108339

Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.9	115.3
145	26.3	22.1	33.1



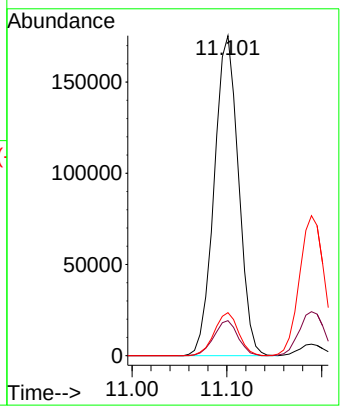


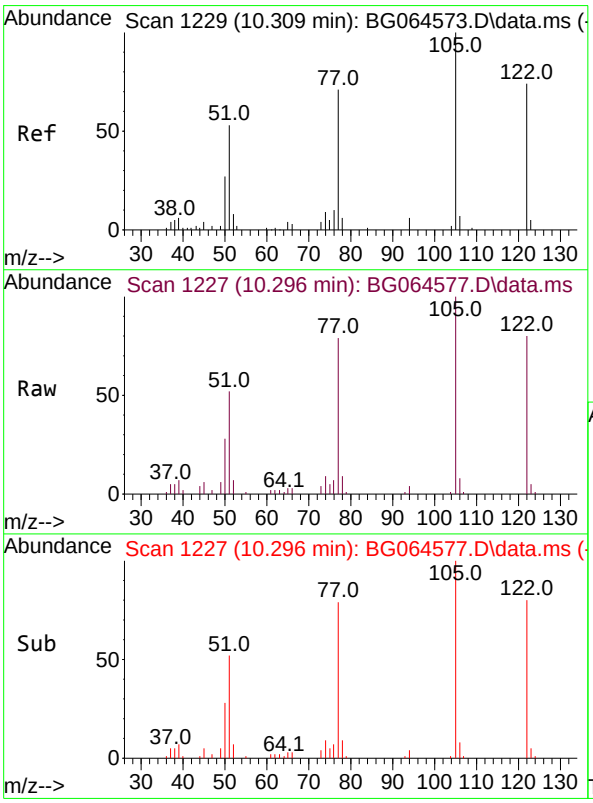
#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:128 Resp: 311084

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.6	15.8

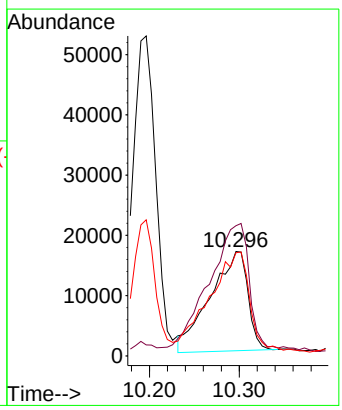


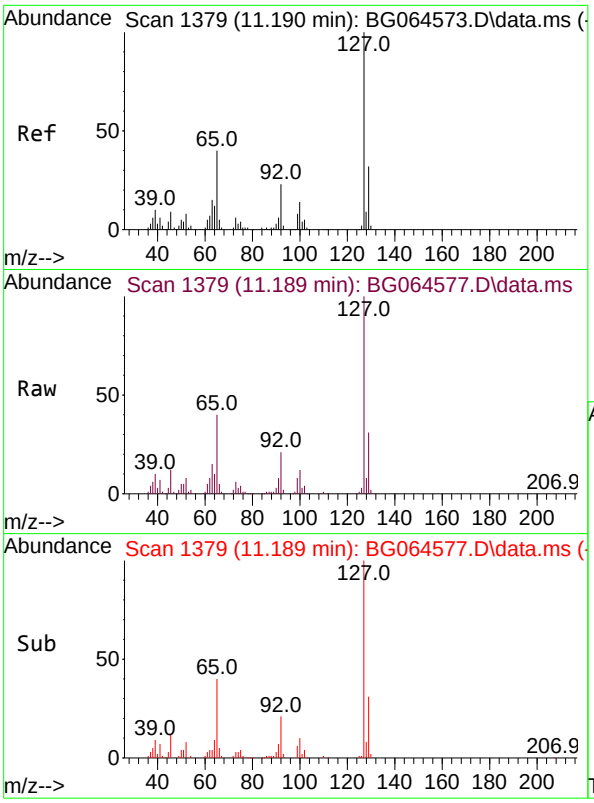


#32
Benzoic acid
Concen: 29.620 ng
RT: 10.296 min Scan# 1227
Delta R.T. -0.013 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 48162

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.2	144.2
77	98.8	70.2	110.2



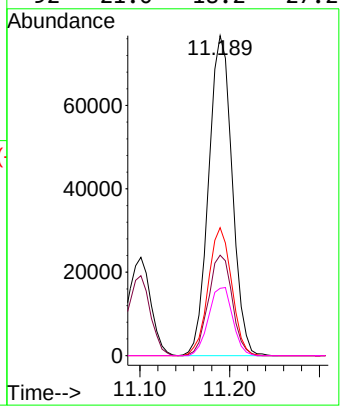


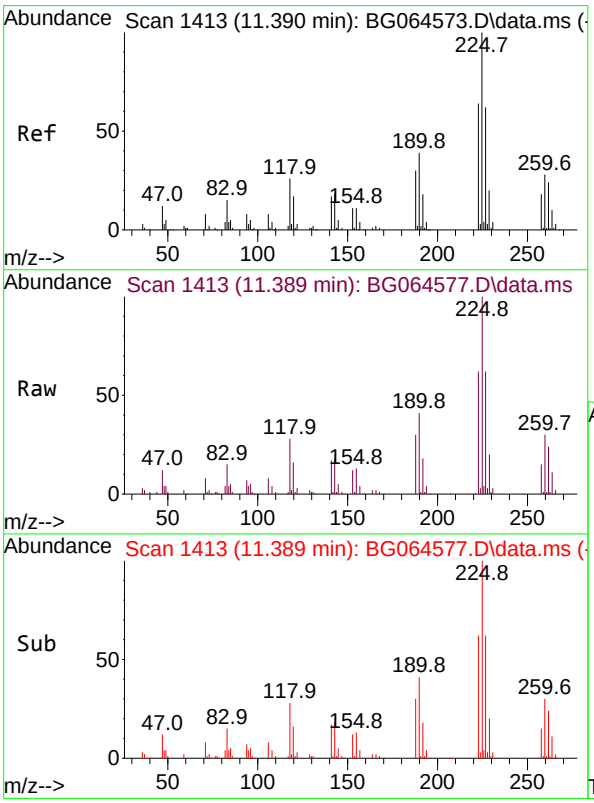
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:127 Resp: 139799

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	40.0	32.2	48.4
92	21.0	18.2	27.2

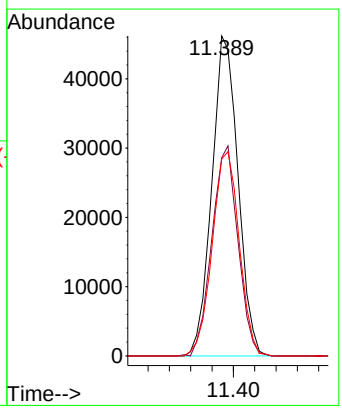


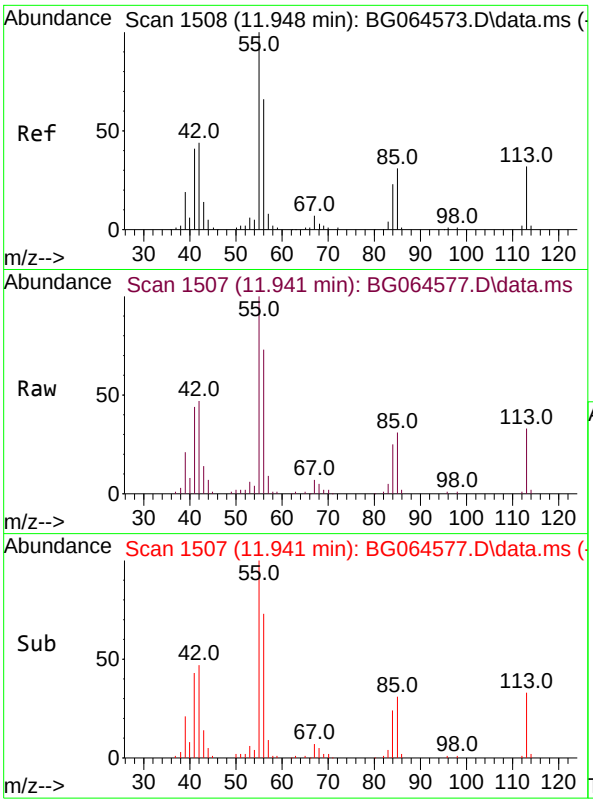


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:225 Resp: 78691

Ion	Ratio	Lower	Upper
225	100		
223	59.7	48.8	73.2
227	59.3	49.5	74.3



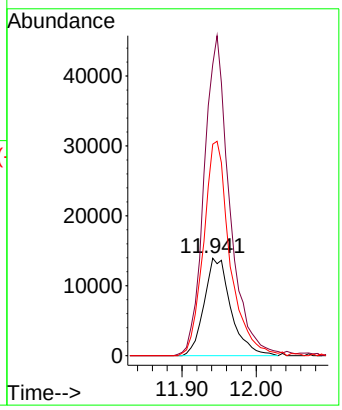


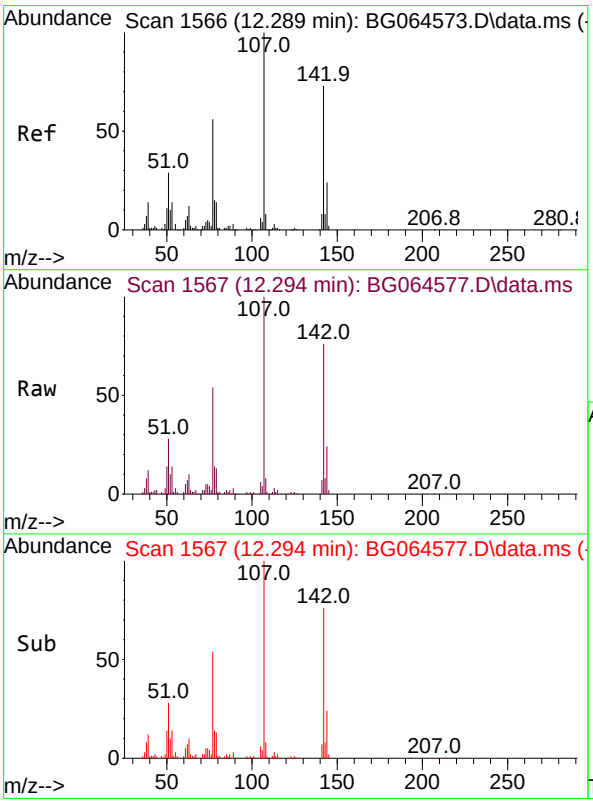
#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:113 Resp: 35011

Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8

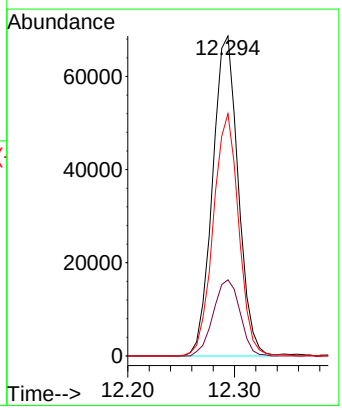


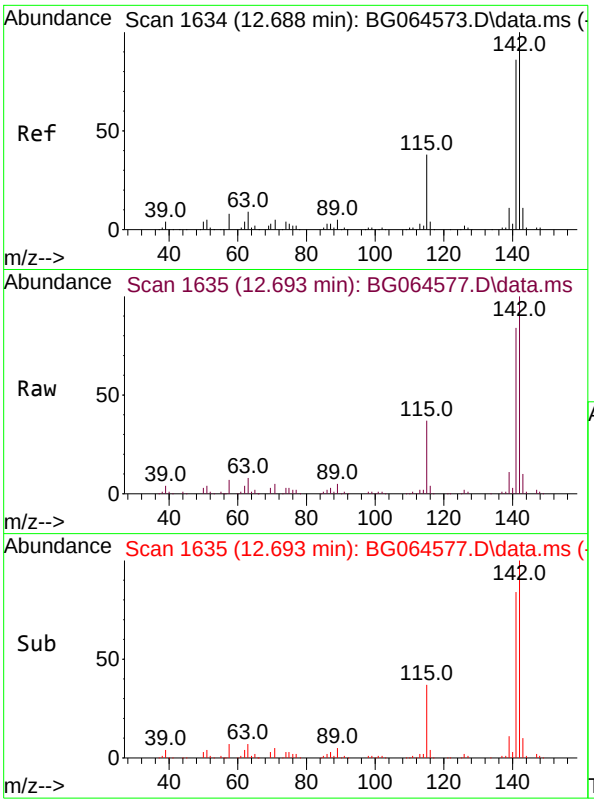


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 114927

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.1	28.7
142	75.7	58.6	87.8



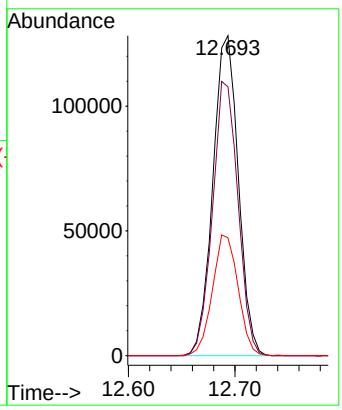


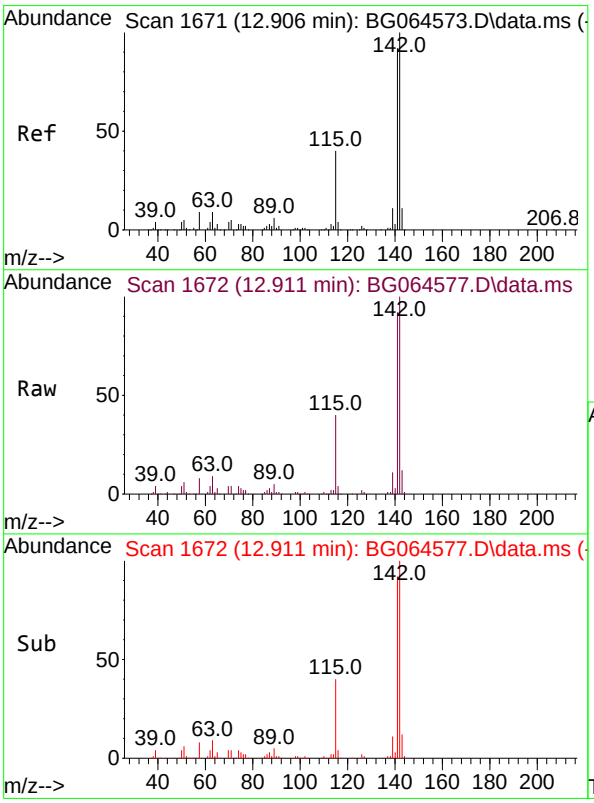
#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:142 Resp: 213545

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.9	103.3
115	36.8	30.6	46.0

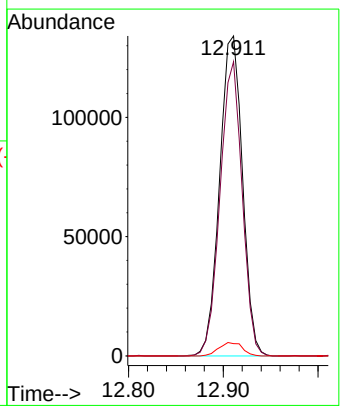


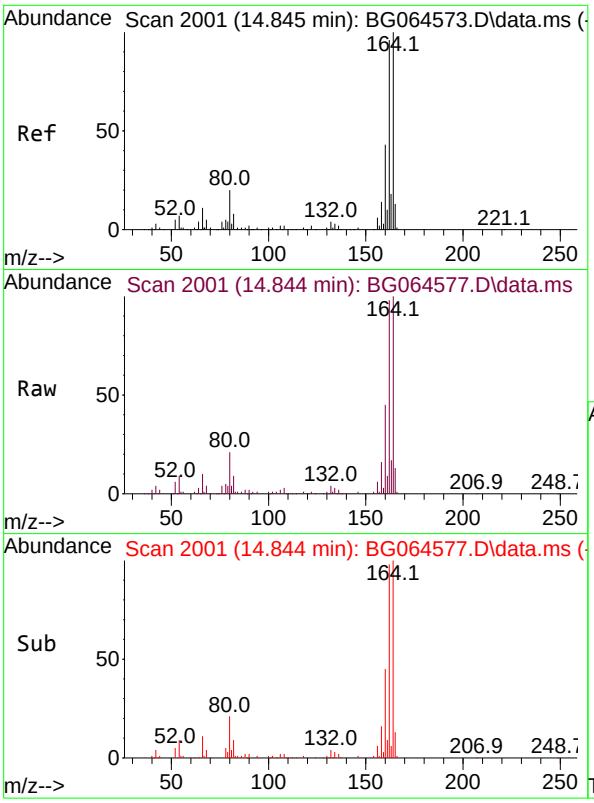


#38
1-Methylnaphthalene
Concen: 35.513 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 224857

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.3	109.9
116	3.8	3.1	4.7



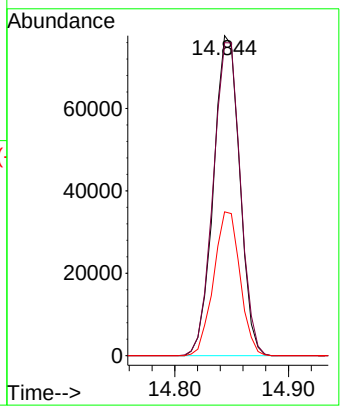


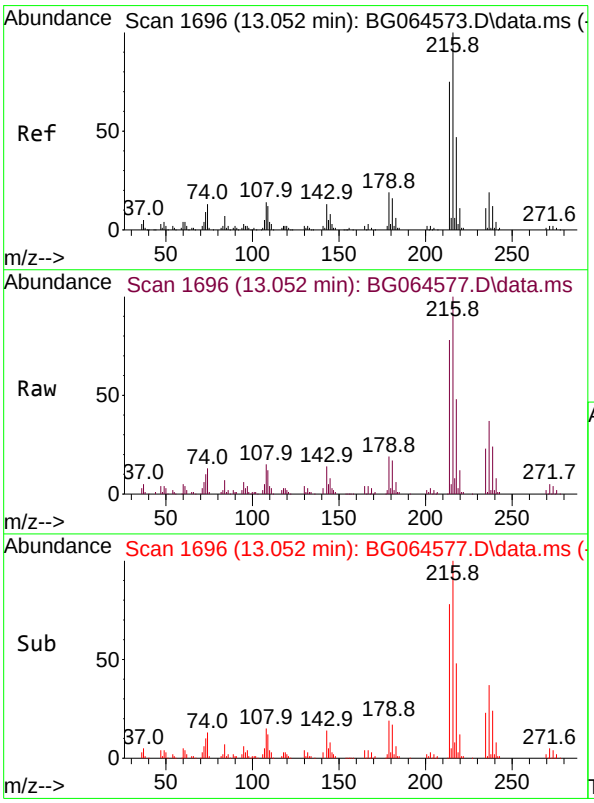
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:164 Resp: 124202

Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.0	115.6
160	44.9	34.4	51.6

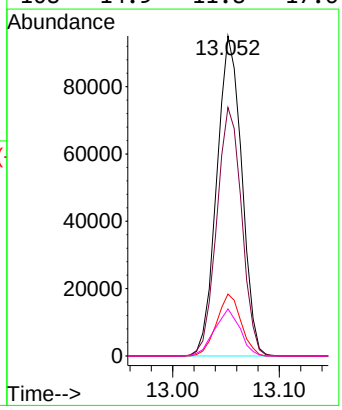


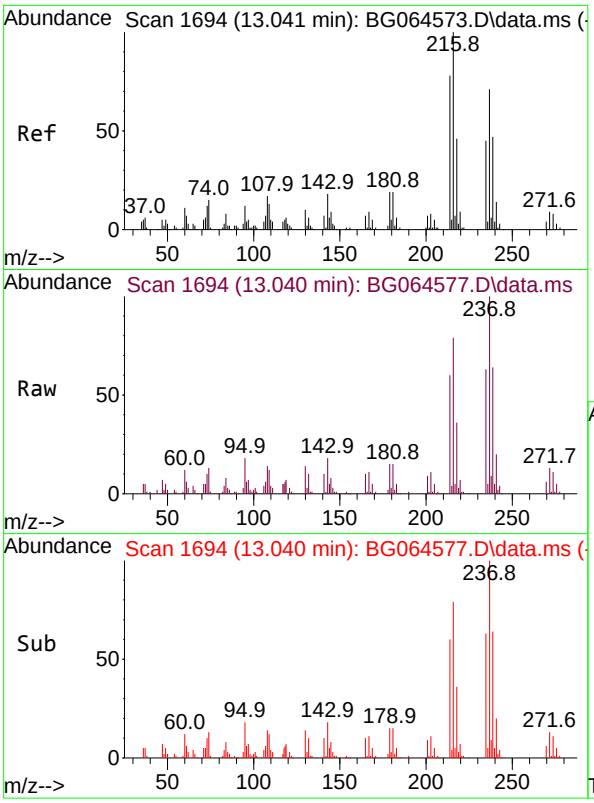


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.4	92.2
179	18.9	15.4	23.0
108	14.9	11.8	17.6



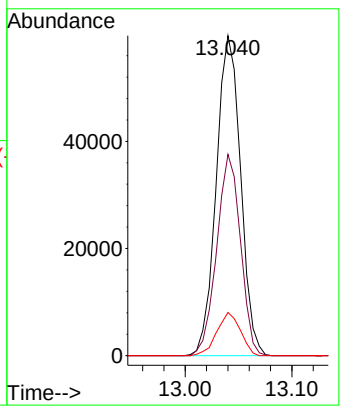


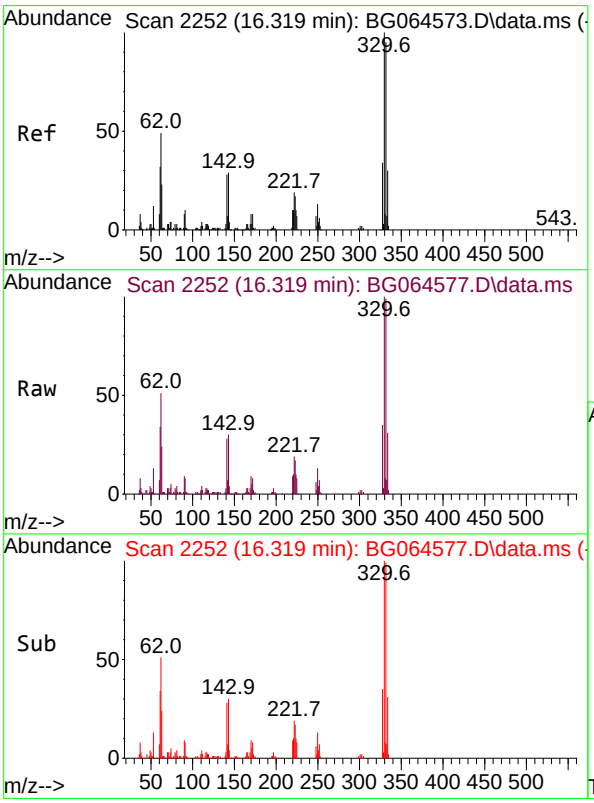
#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:237 Resp: 95065

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.1	84.1
272	13.5	0.0	32.4

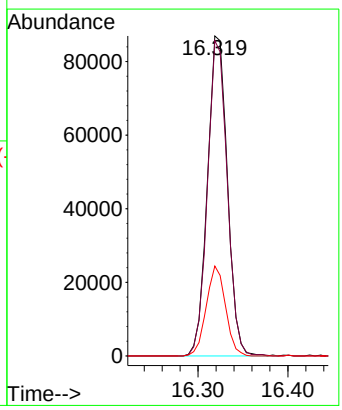


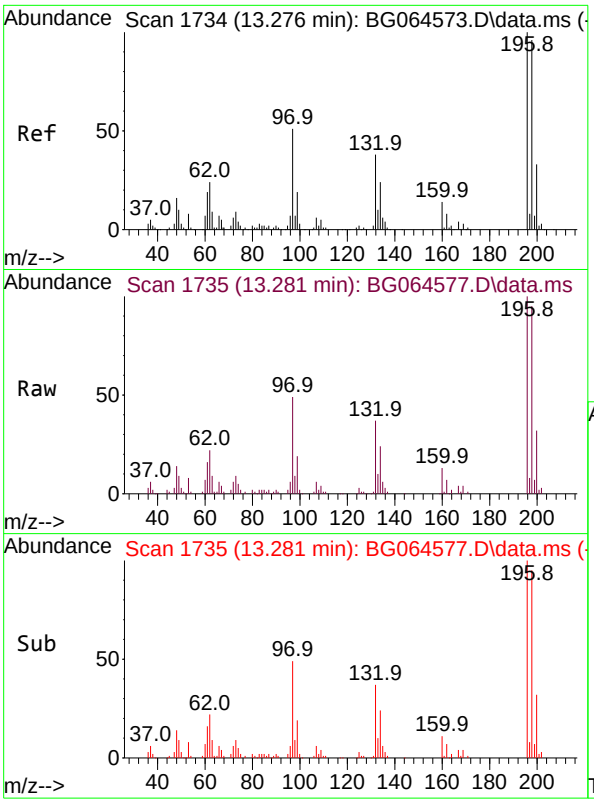


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:330 Resp: 134578

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.0	21.8	32.6



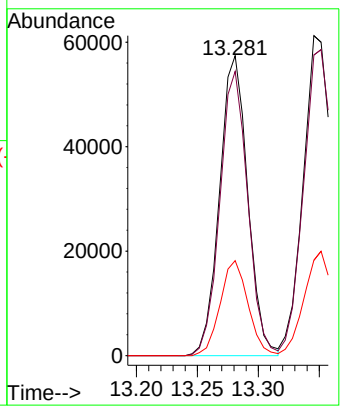


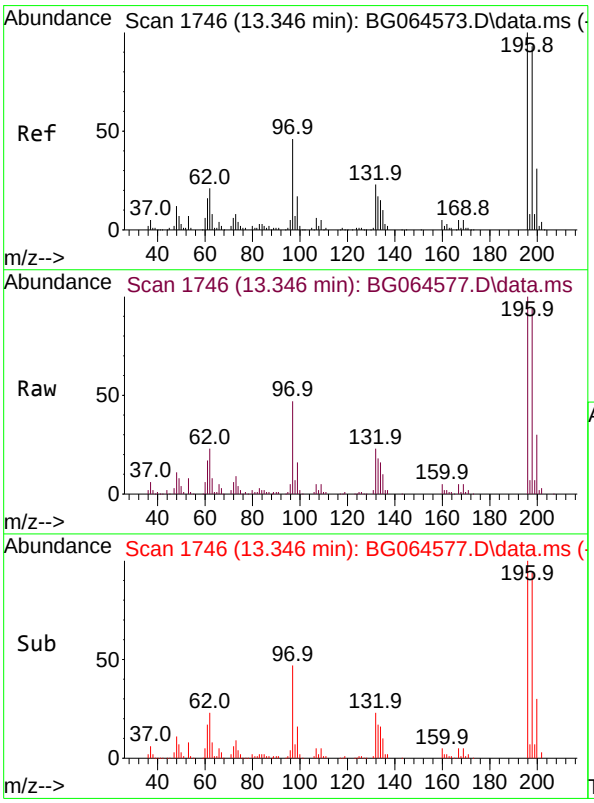
#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:196 Resp: 92335

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
200	31.7	26.0	39.0

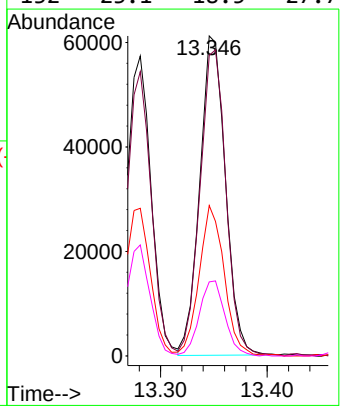


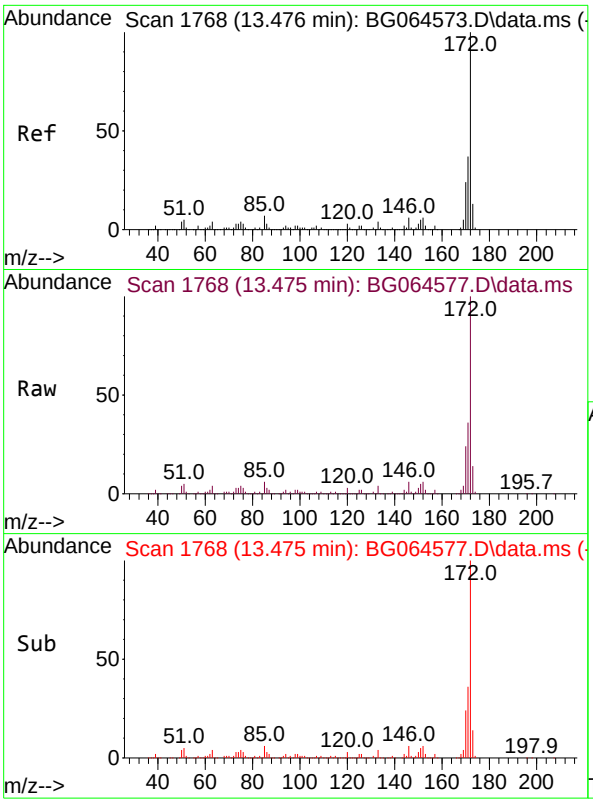


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 102433

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.2	111.4
97	47.0	37.0	55.6
132	23.1	18.5	27.7



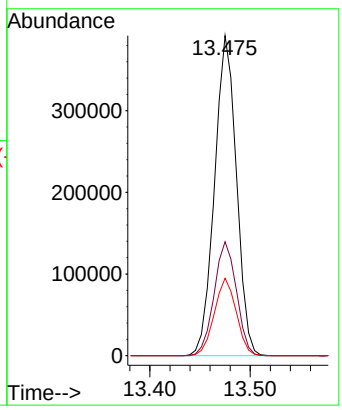


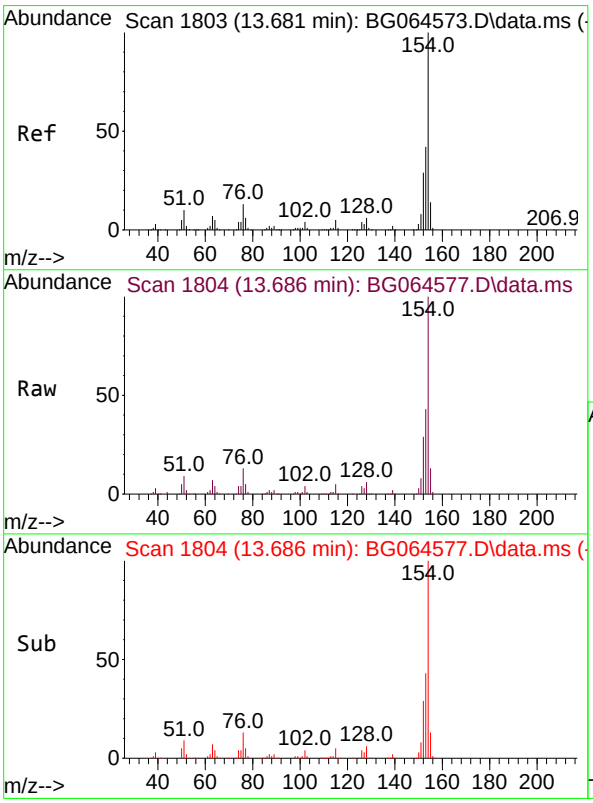
#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:172 Resp: 594887

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7

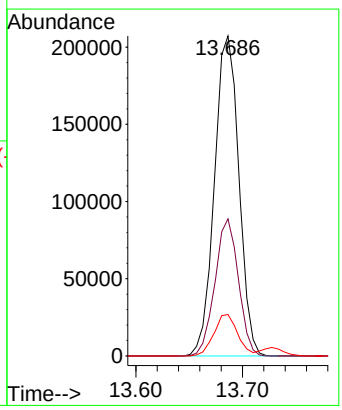


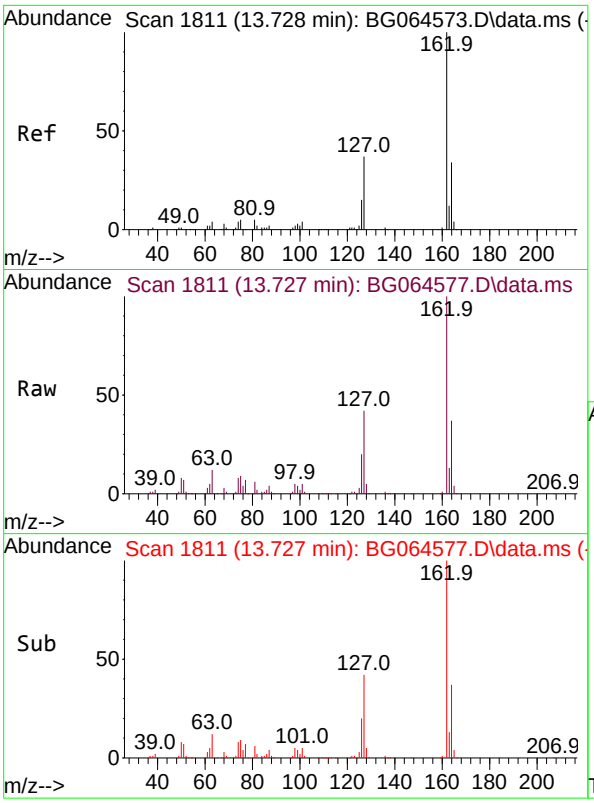


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 329629

Ion	Ratio	Lower	Upper
154	100		
153	42.8	22.4	62.4
76	12.9	0.0	33.5



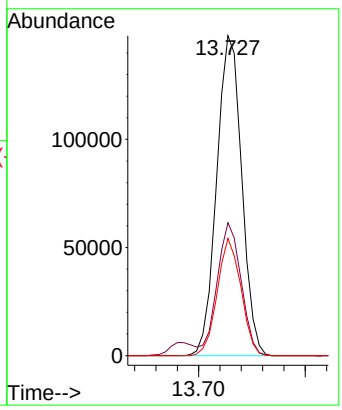


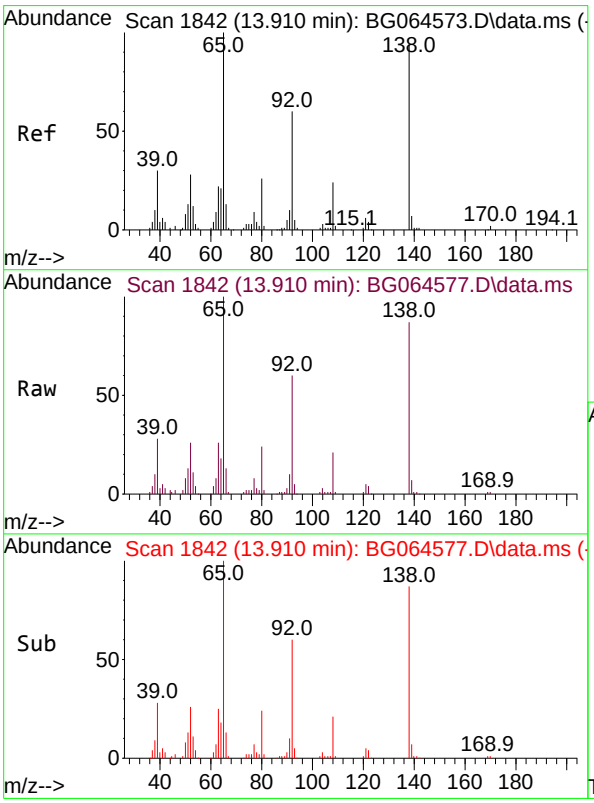
#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 18
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:162 Resp: 241311

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.2	48.2
164	36.6	27.5	41.3

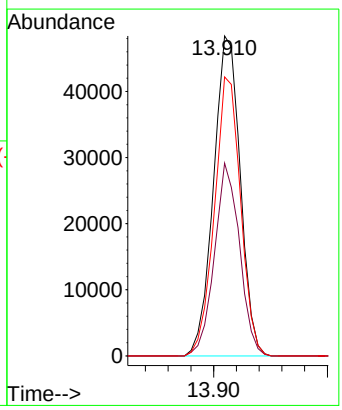


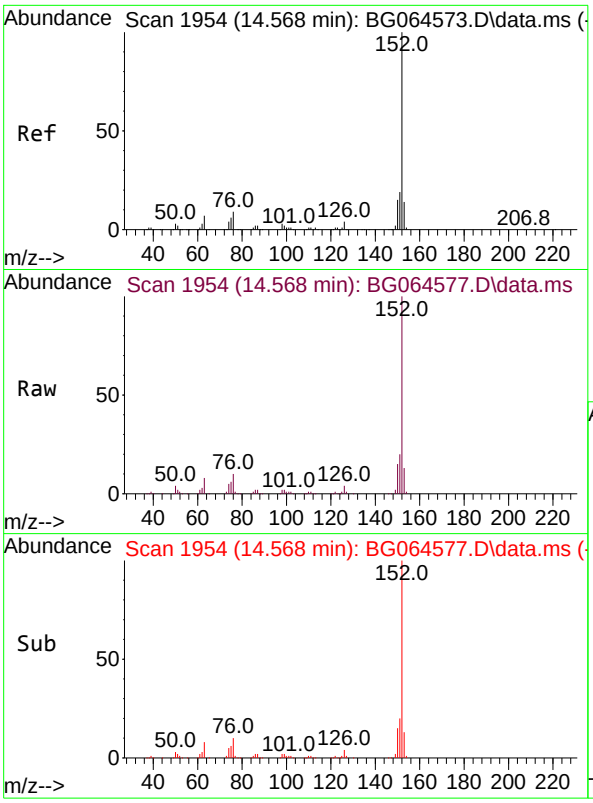


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 65 Resp: 78927

Ion	Ratio	Lower	Upper
65	100		
92	60.2	48.3	72.5
138	87.2	74.9	112.3



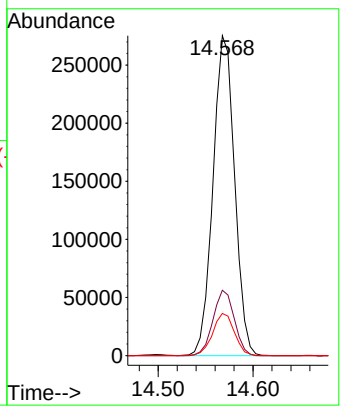


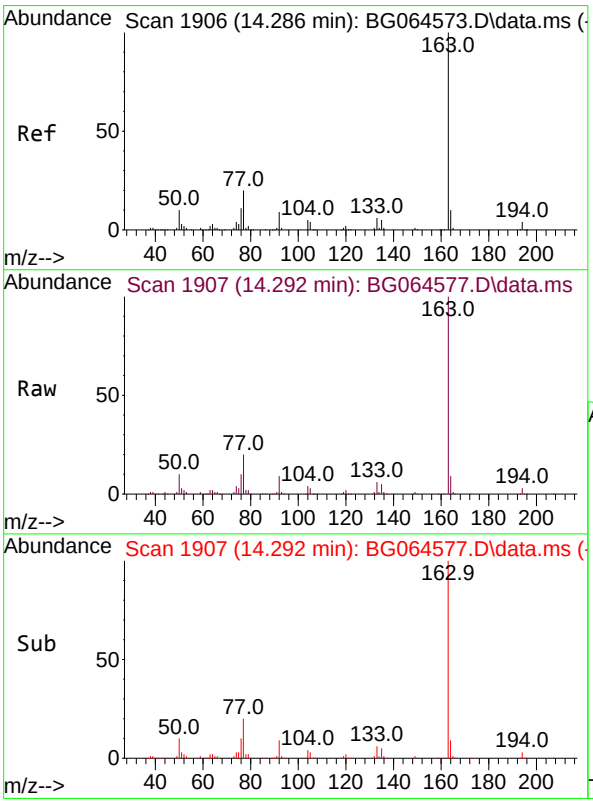
#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 435836

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.2	11.0	16.4

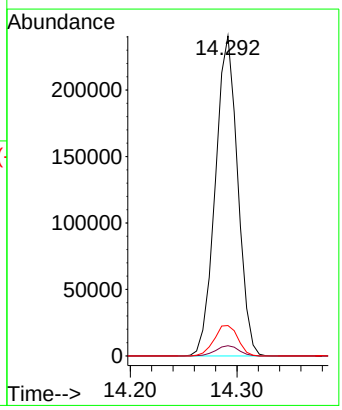


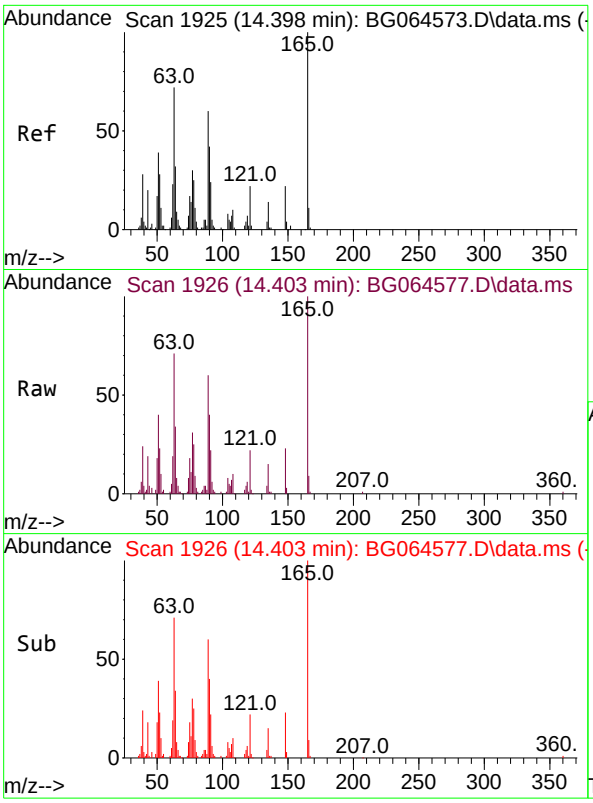


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:163 Resp: 350600

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.5	7.7	11.5



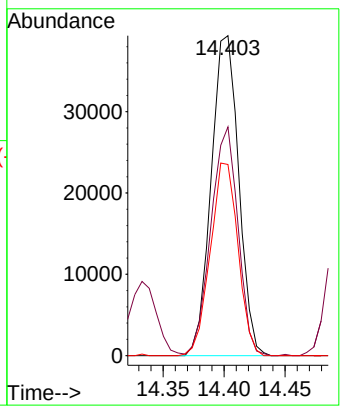


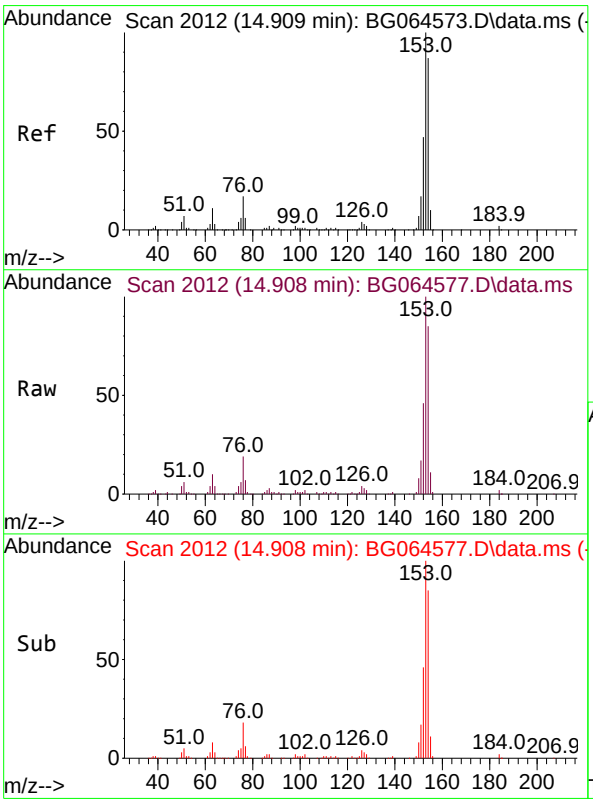
#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 61784

Ion	Ratio	Lower	Upper
165	100		
63	71.5	57.4	86.0
89	59.7	47.8	71.8

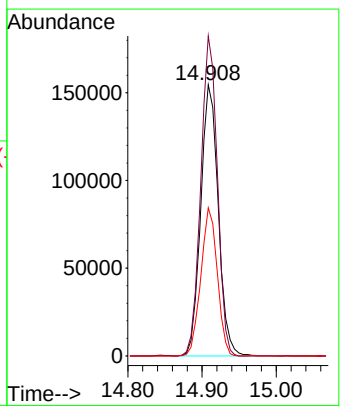


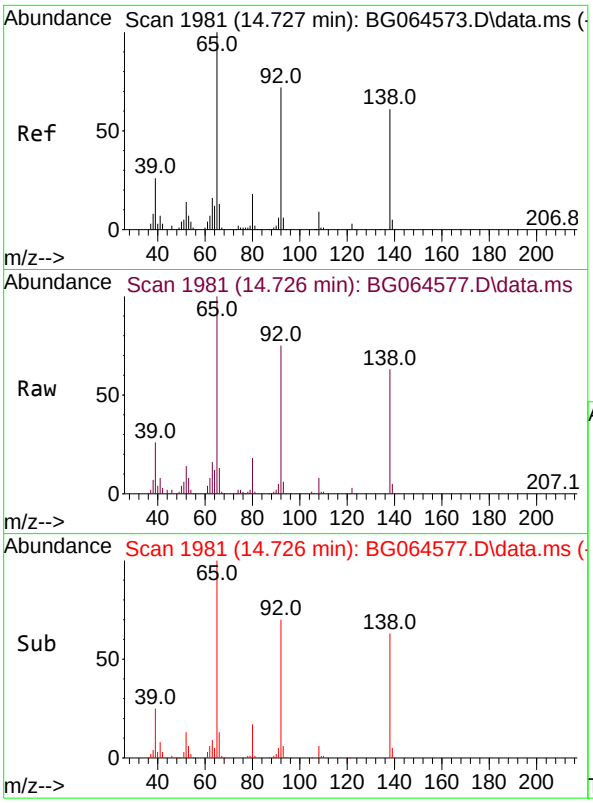


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 253833

Ion	Ratio	Lower	Upper
154	100		
153	118.0	92.2	138.4
152	54.6	43.2	64.8



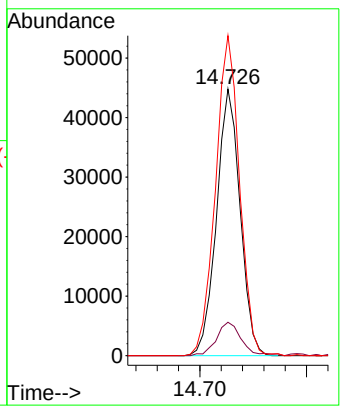


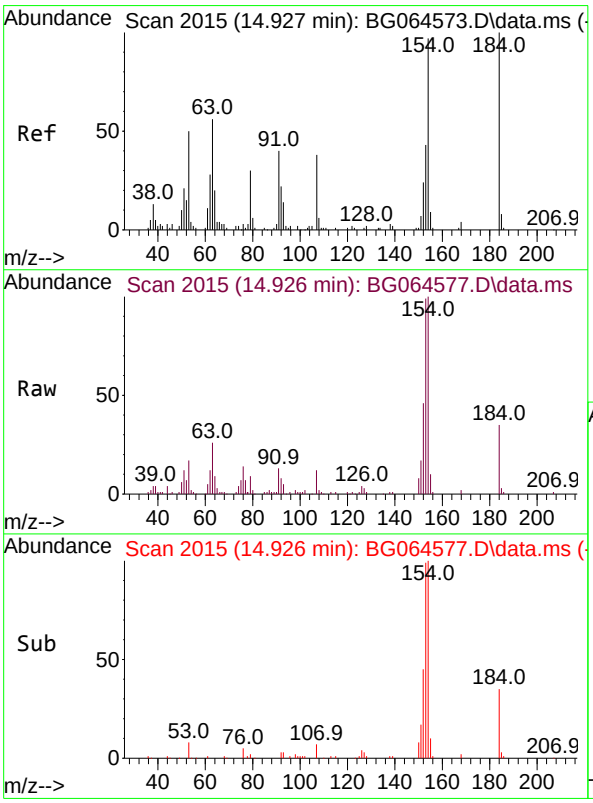
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:138 Resp: 68729

Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9

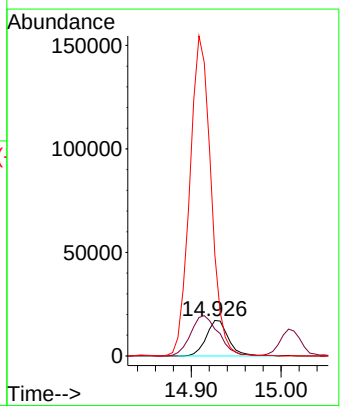


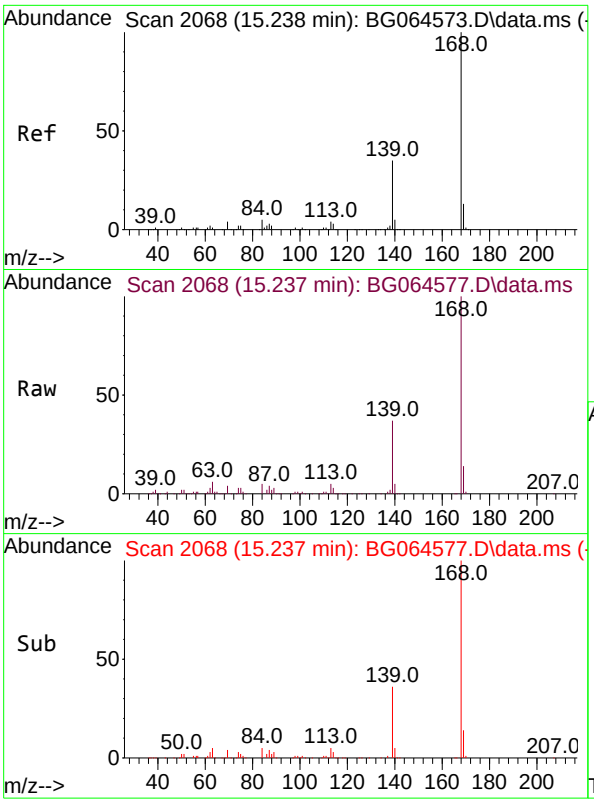


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 29394

Ion	Ratio	Lower	Upper
184	100		
63	75.8	56.6	85.0
154	285.9	158.6	238.0#



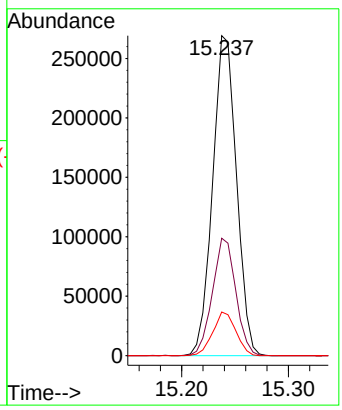


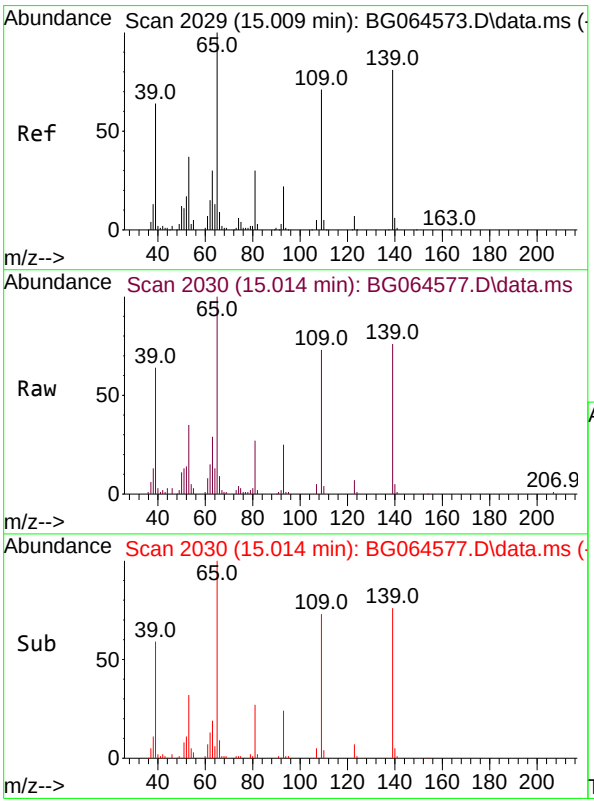
#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:168 Resp: 419154

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.6	10.3	15.5

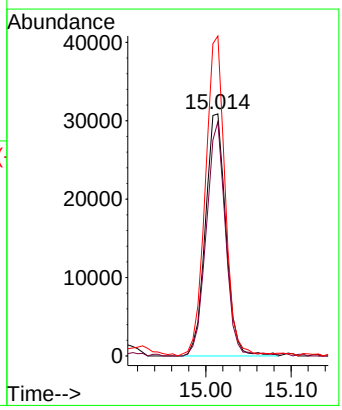


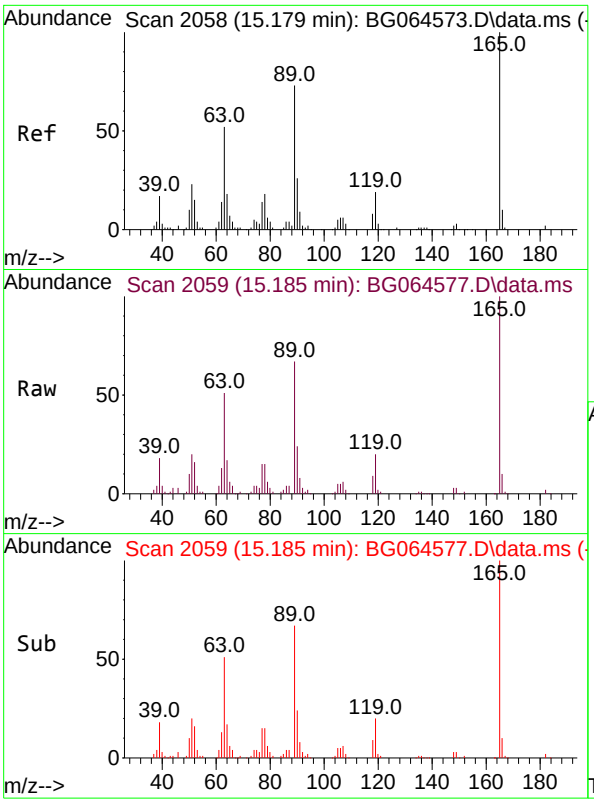


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 51210

Ion	Ratio	Lower	Upper
139	100		
109	96.8	67.8	107.8
65	132.2	103.7	143.7



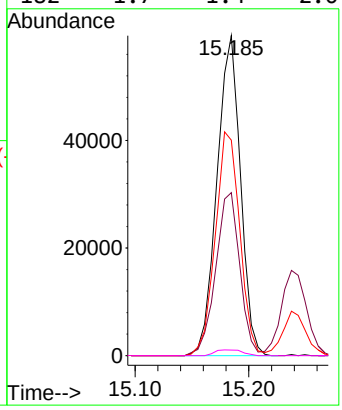


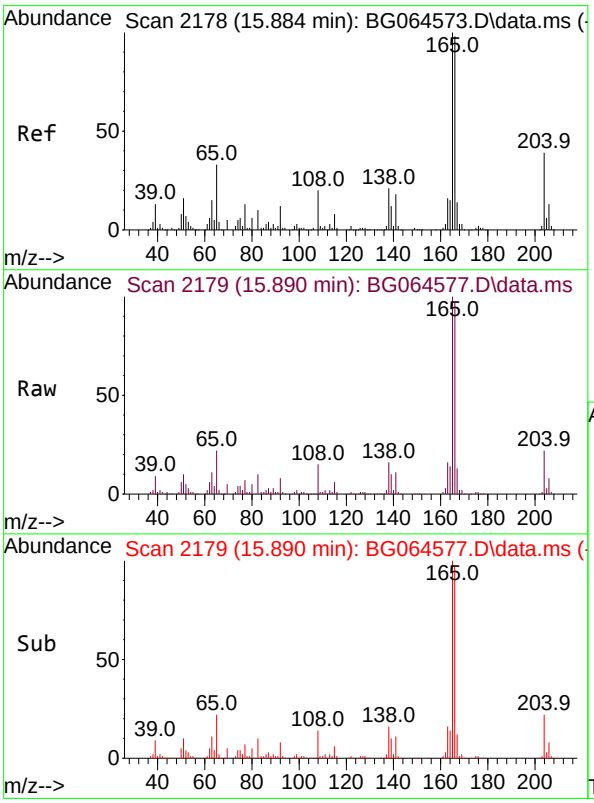
#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 85201

Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	67.3	58.1	87.1
182	1.7	1.4	2.0

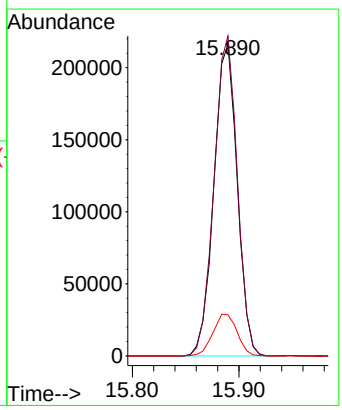


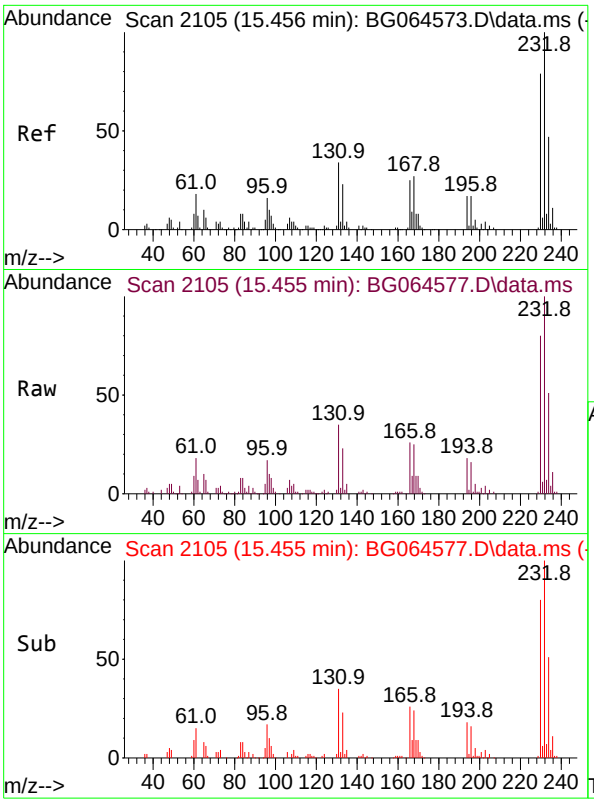


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:166 Resp: 328636

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.1	11.4	17.0



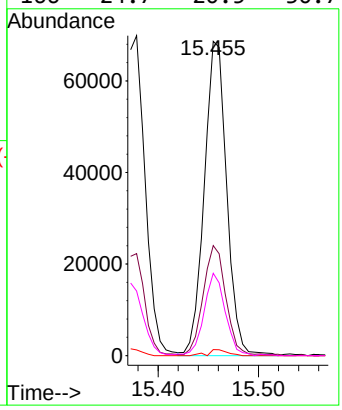


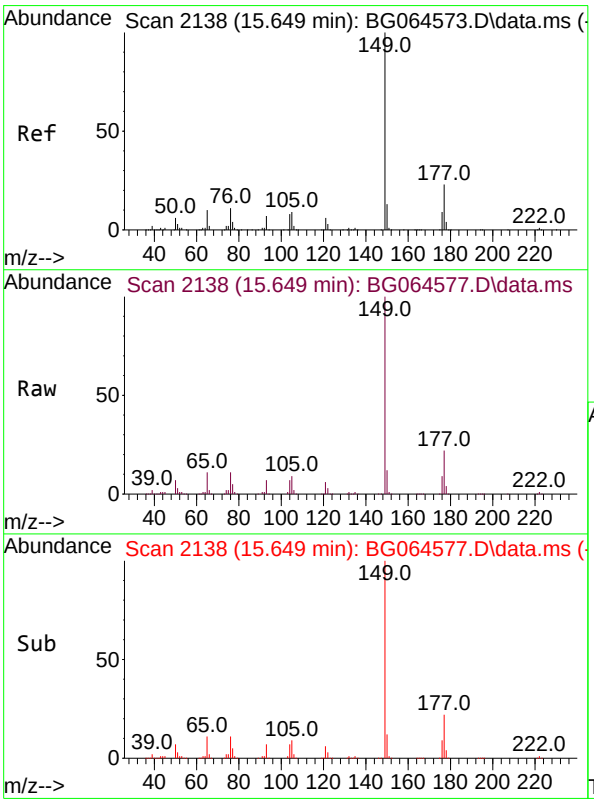
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:232 Resp: 106626

Ion	Ratio	Lower	Upper
232	100		
131	35.6	26.7	40.1
130	1.7	1.6	2.4
166	24.7	20.5	30.7

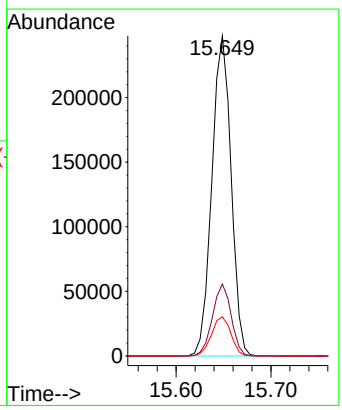


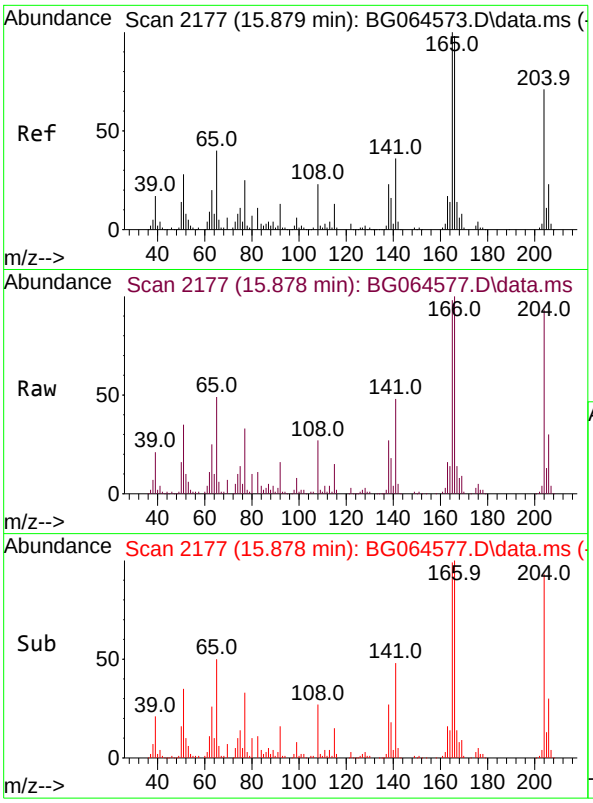


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 348964

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.2	10.2	15.4



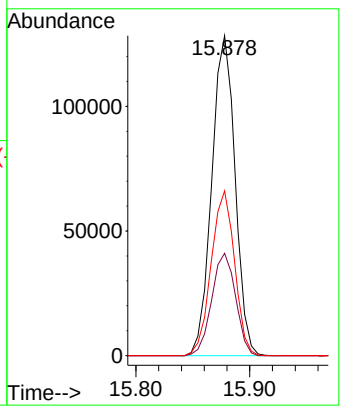


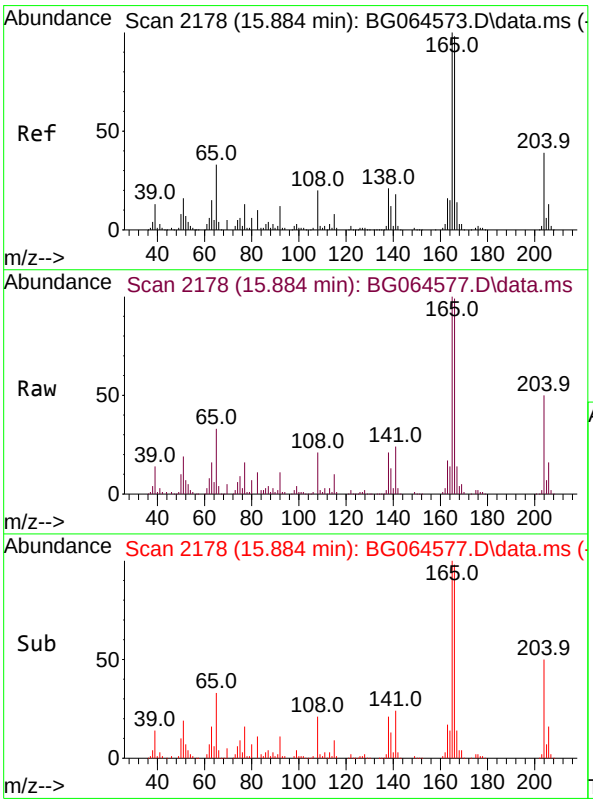
#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:204 Resp: 182714

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.5	40.6	60.8

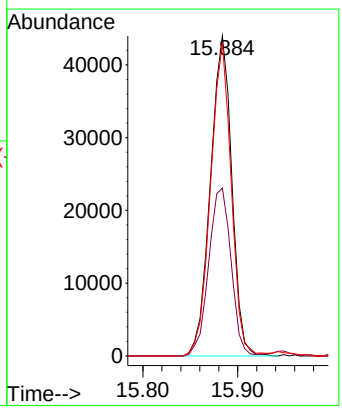


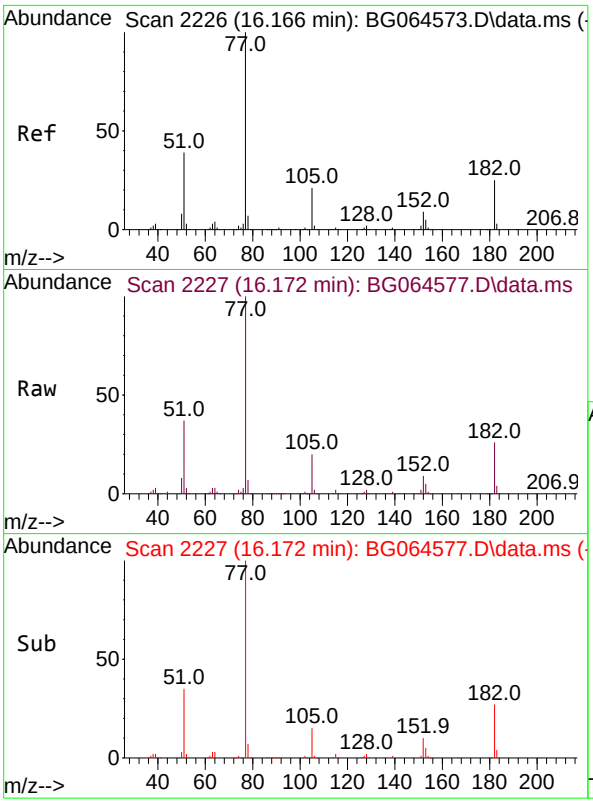


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 68807

Ion	Ratio	Lower	Upper
138	100		
92	52.5	36.1	76.1
108	97.9	75.6	115.6



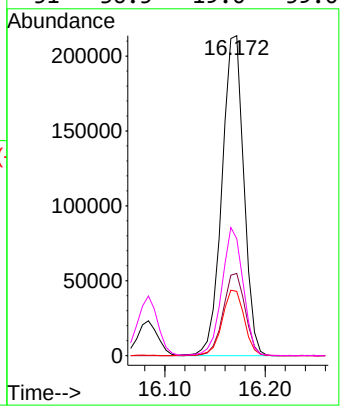


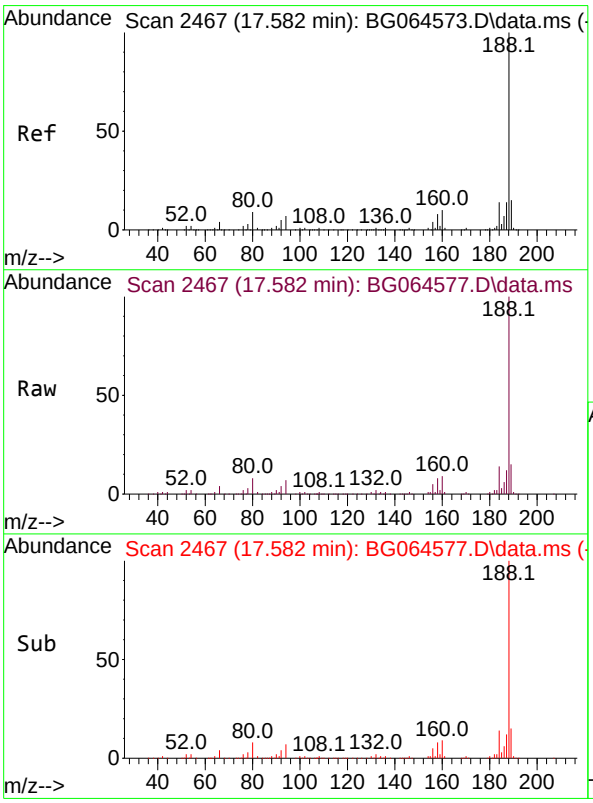
#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 323432

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	20.1	1.3	41.3
51	36.5	19.0	59.0

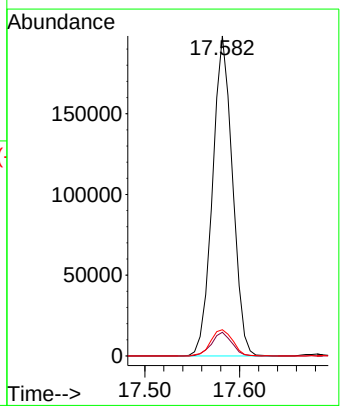


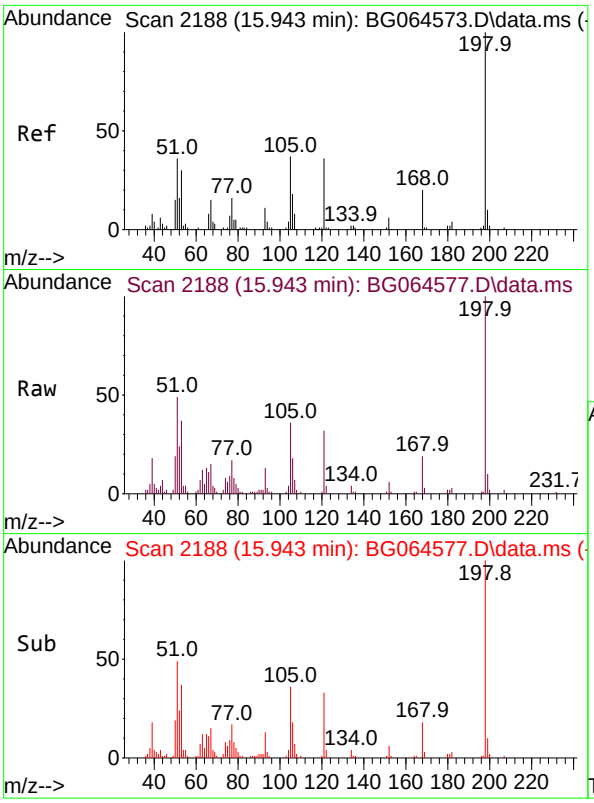


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:188 Resp: 290051

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.2	6.8	10.2



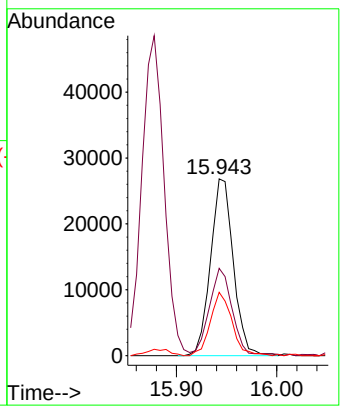


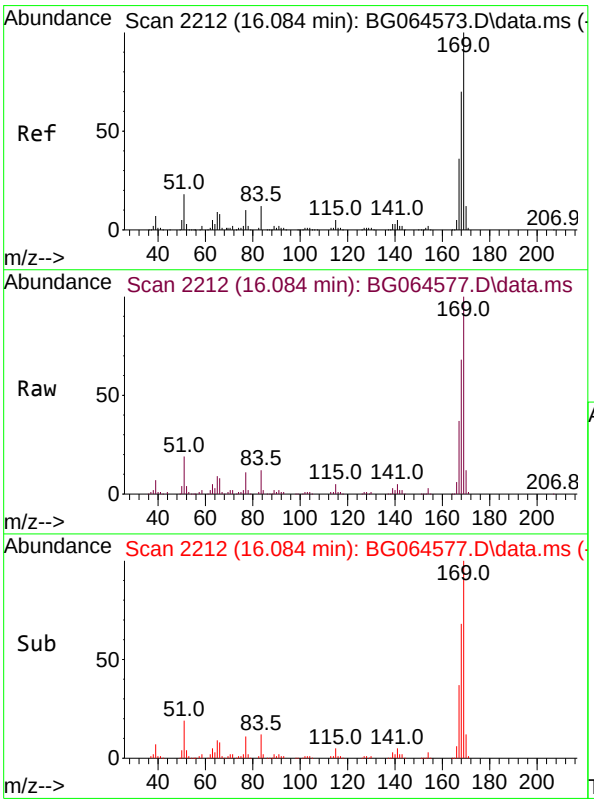
#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:198 Resp: 42391

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	35.9	18.0	58.0

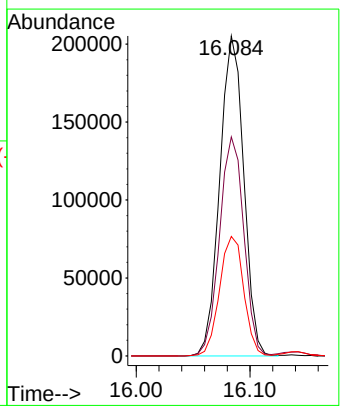


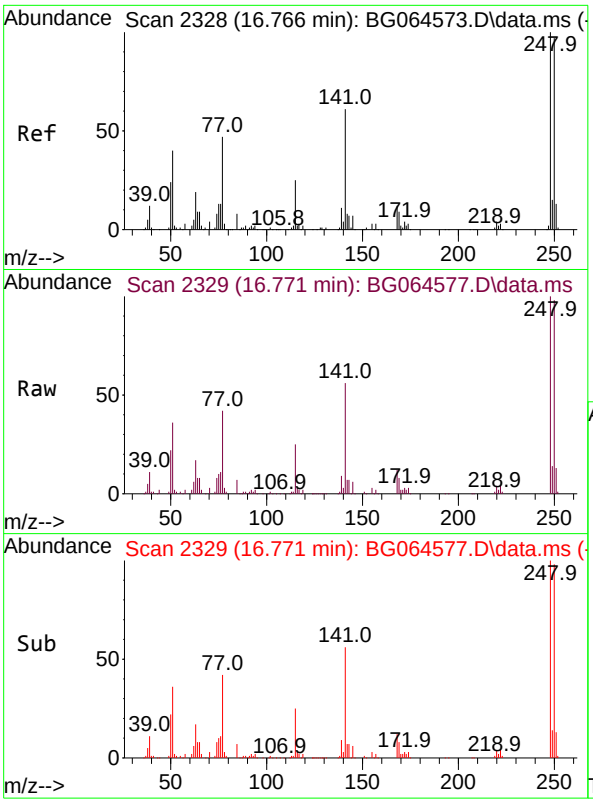


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:169 Resp: 300274

Ion	Ratio	Lower	Upper
169	100		
168	68.4	56.3	84.5
167	37.3	29.0	43.6



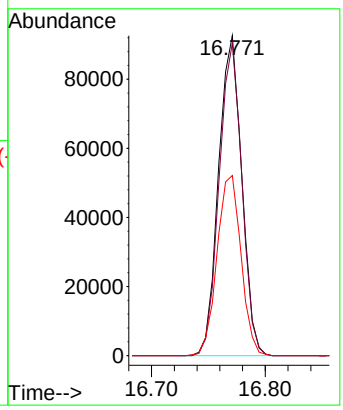


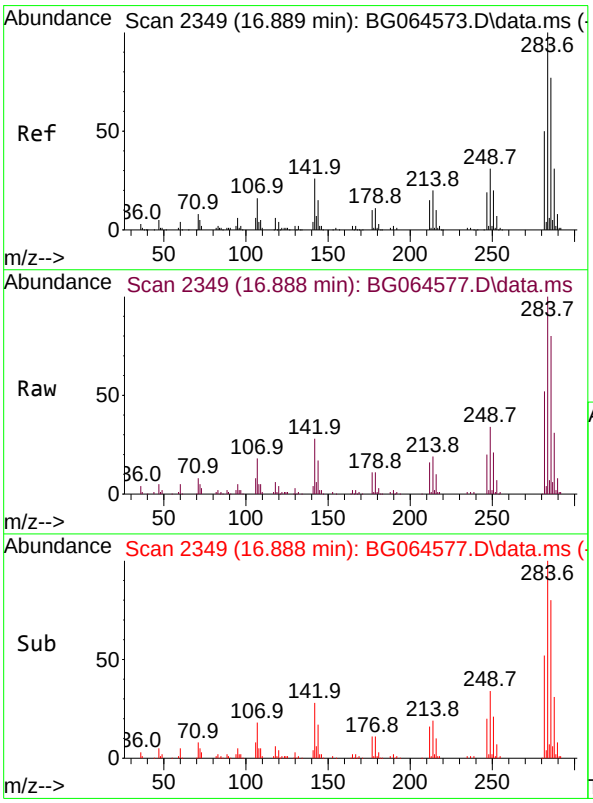
#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:248 Resp: 130765

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	56.3	48.6	72.8

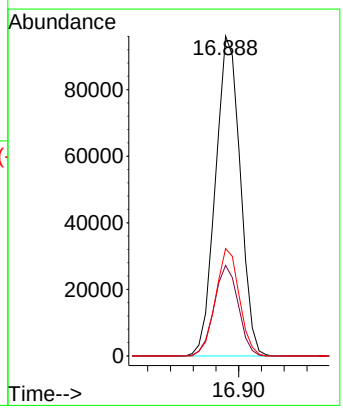


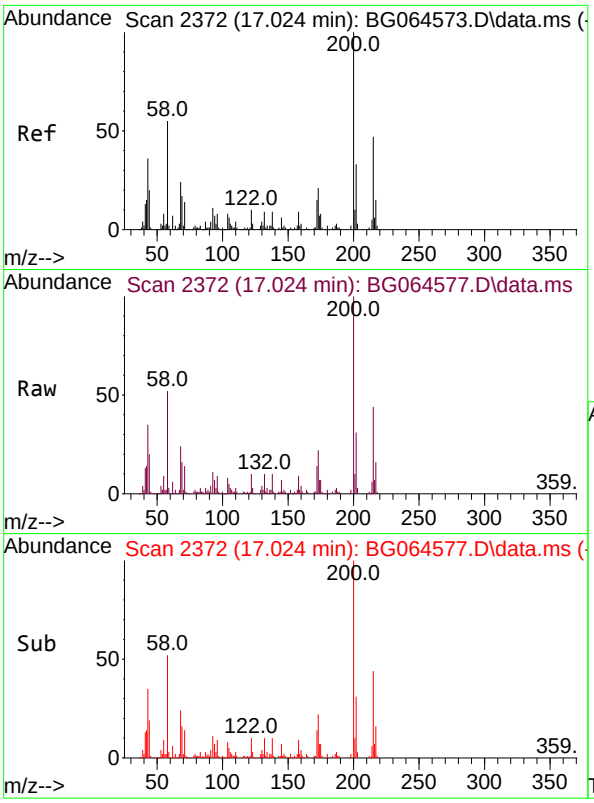


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:284 Resp: 144974

Ion	Ratio	Lower	Upper
284	100		
142	28.3	21.0	31.6
249	33.5	24.9	37.3



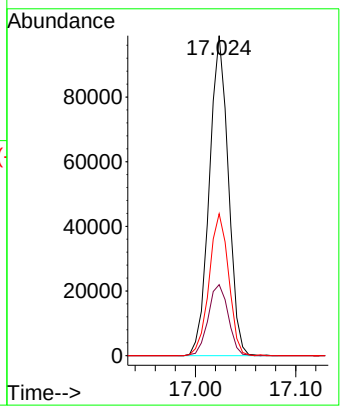


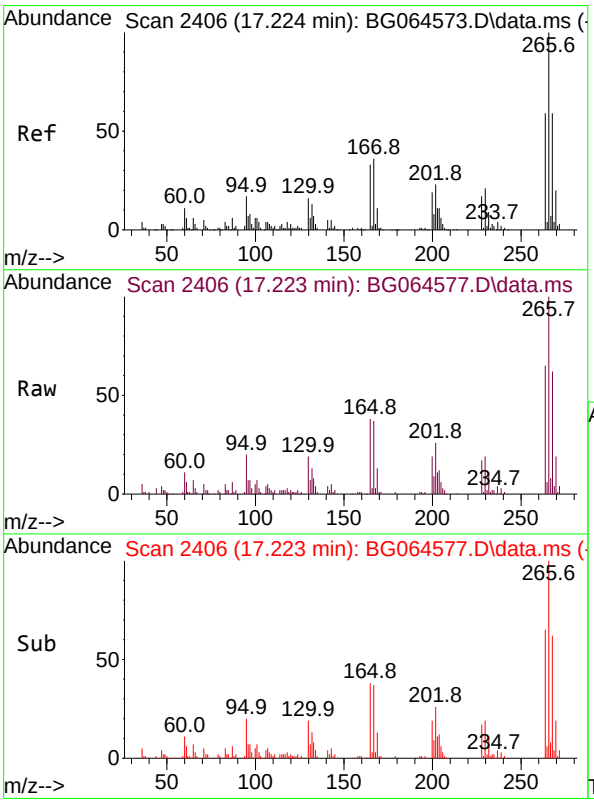
#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:200 Resp: 130007

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	44.3	27.0	67.0

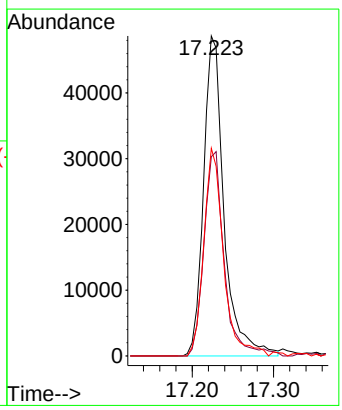


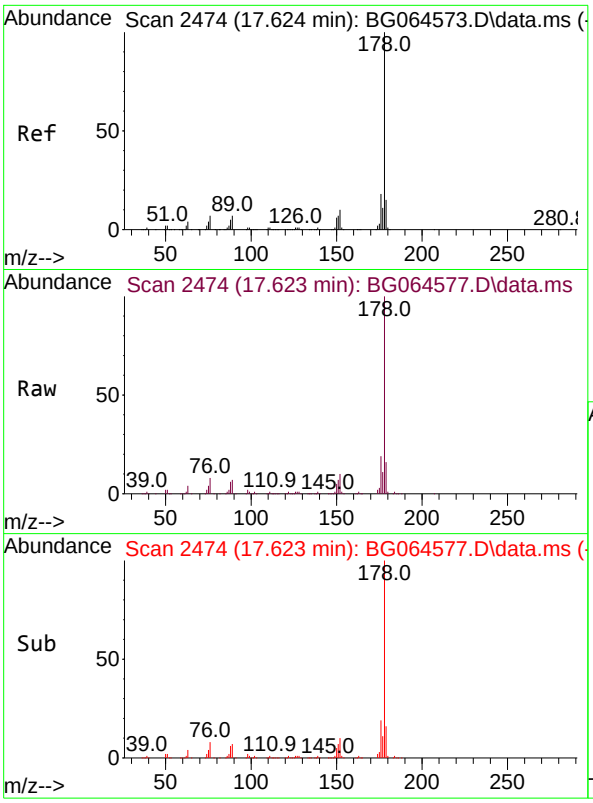


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:266 Resp: 85166

Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.3	75.5
264	70.5	47.3	70.9



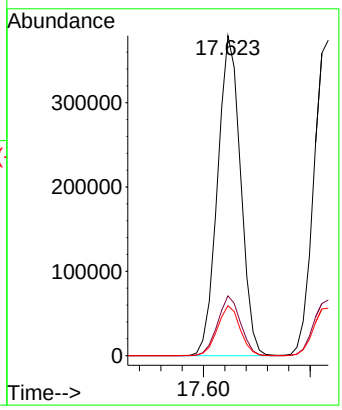


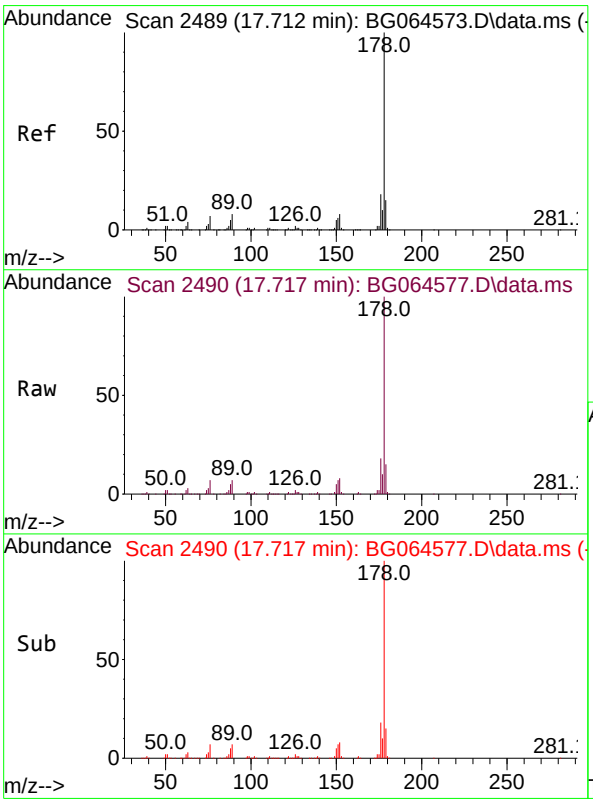
#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:178 Resp: 569825

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.4

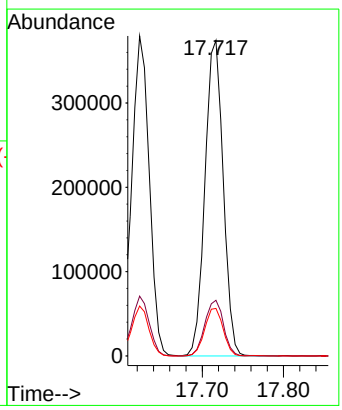


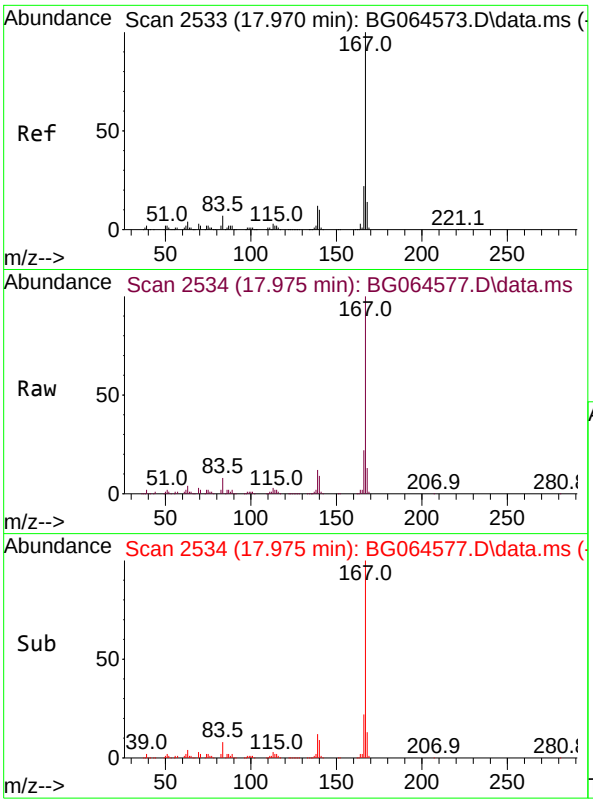


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 584246

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	15.1	12.4	18.6



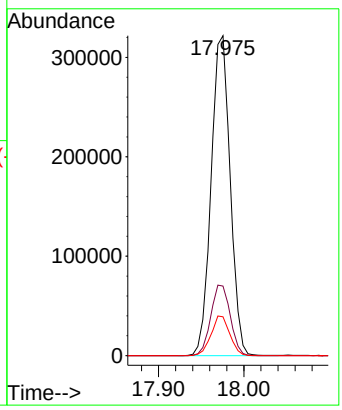


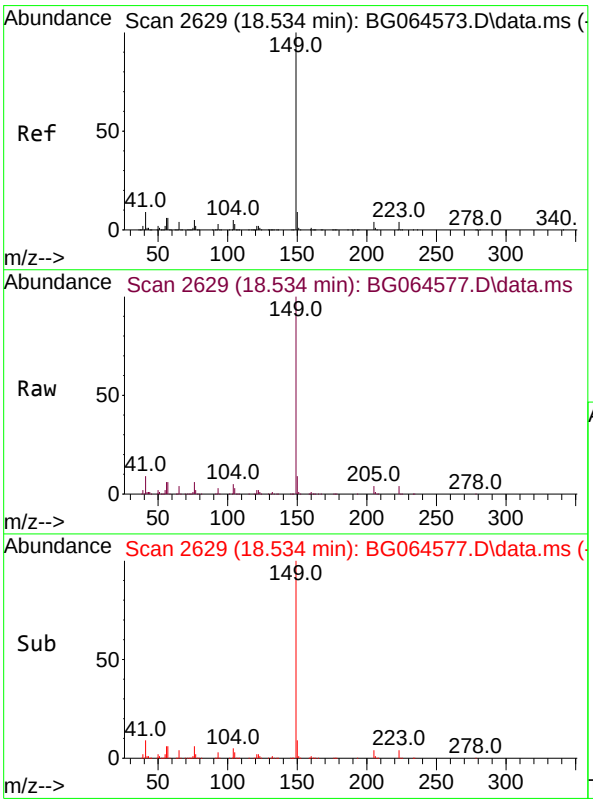
#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:167 Resp: 498849

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.9	26.9
139	12.1	9.7	14.5

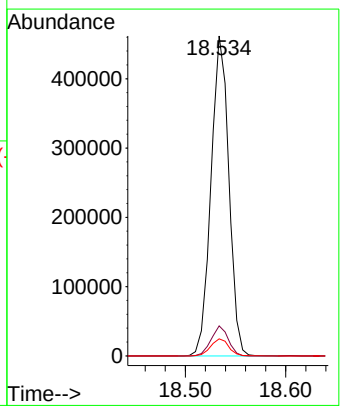


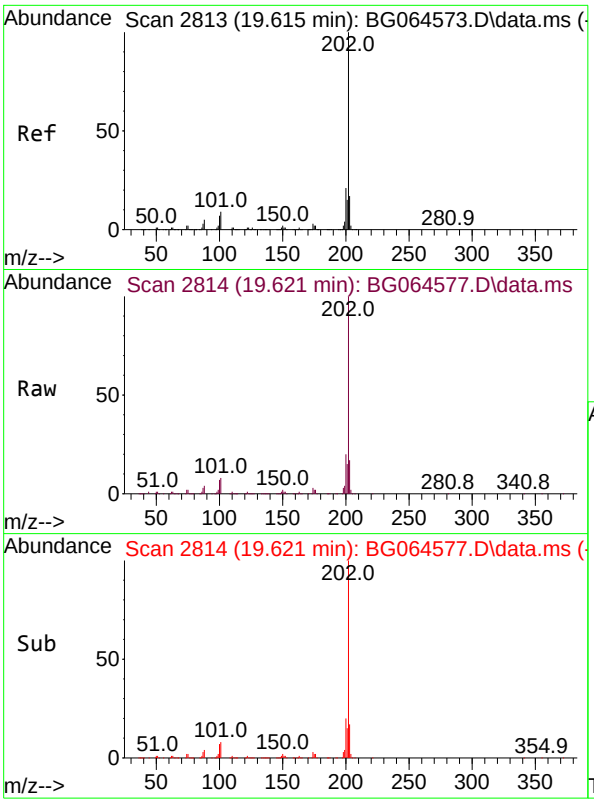


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 570718

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.3	4.1	6.1



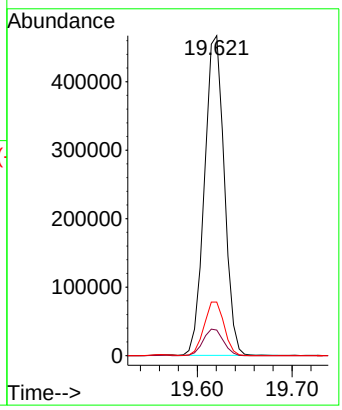


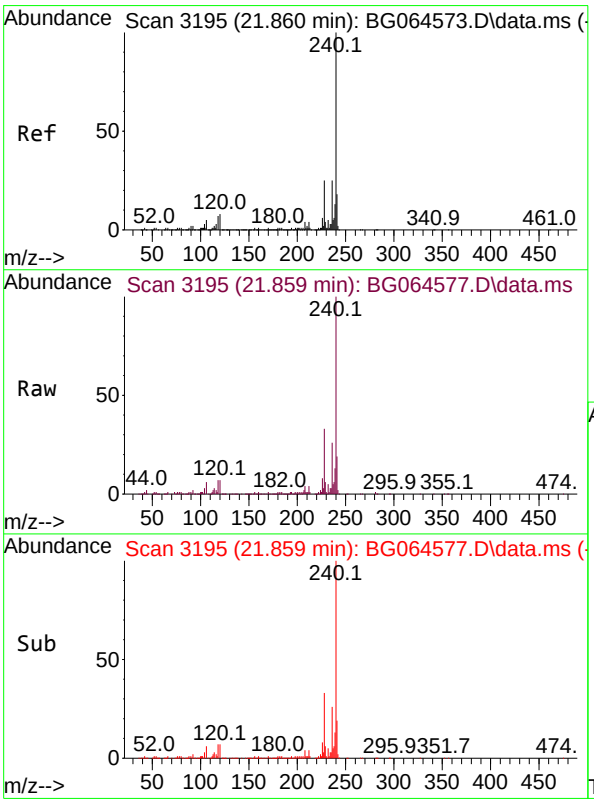
#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:202 Resp: 676996

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	16.7	0.0	37.0

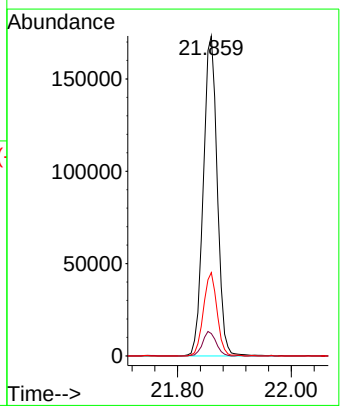


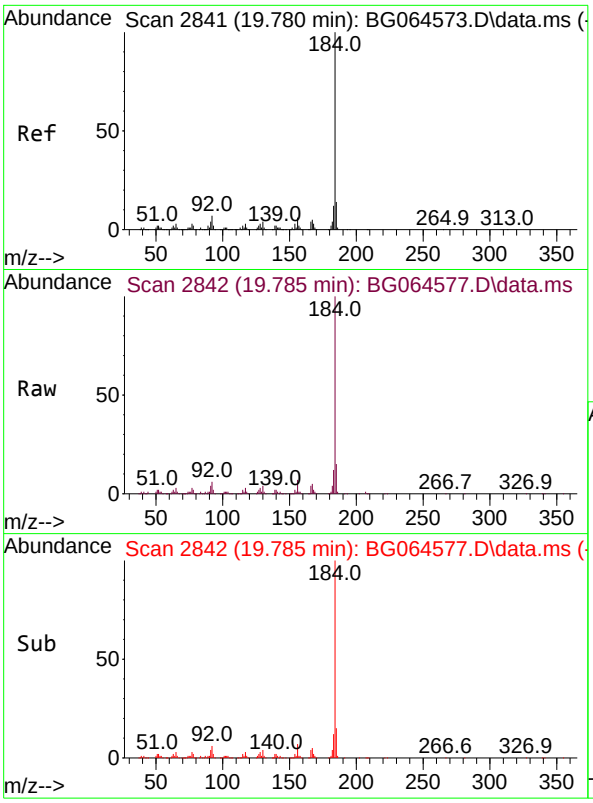


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:240 Resp: 293608

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	26.0	20.2	30.2



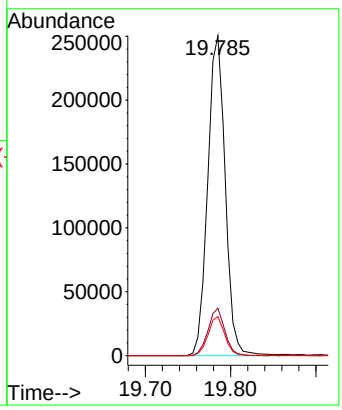


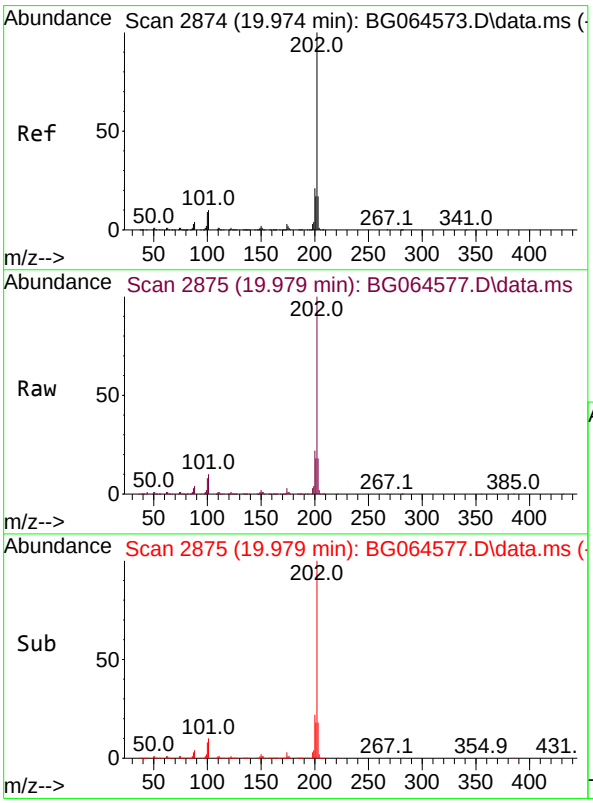
#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:184 Resp: 356547

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.2	9.4	14.2

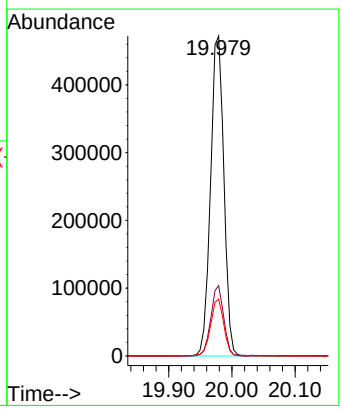


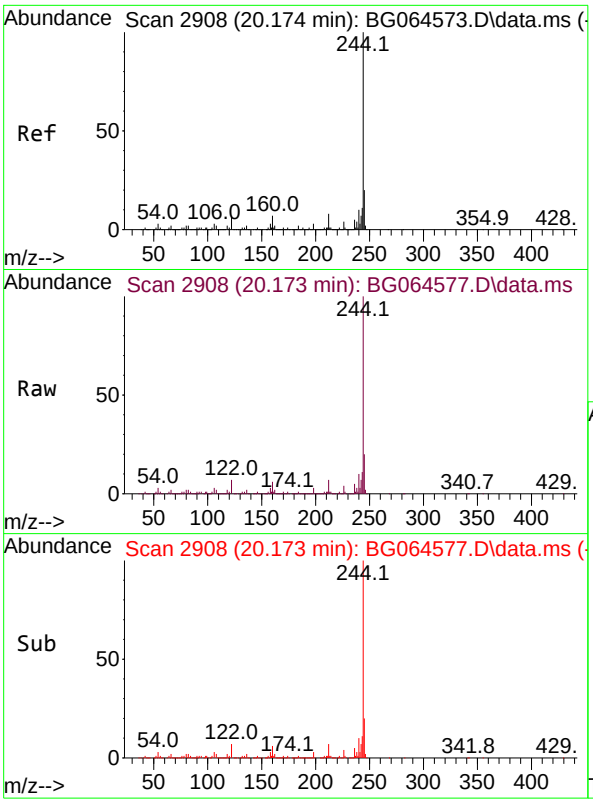


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:202 Resp: 693068

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.7	13.8	20.6



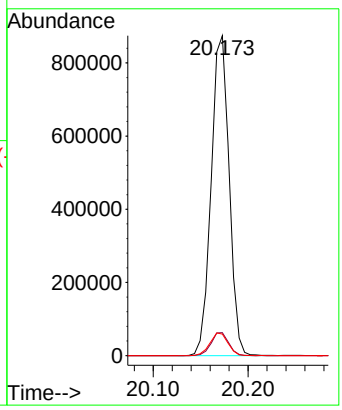


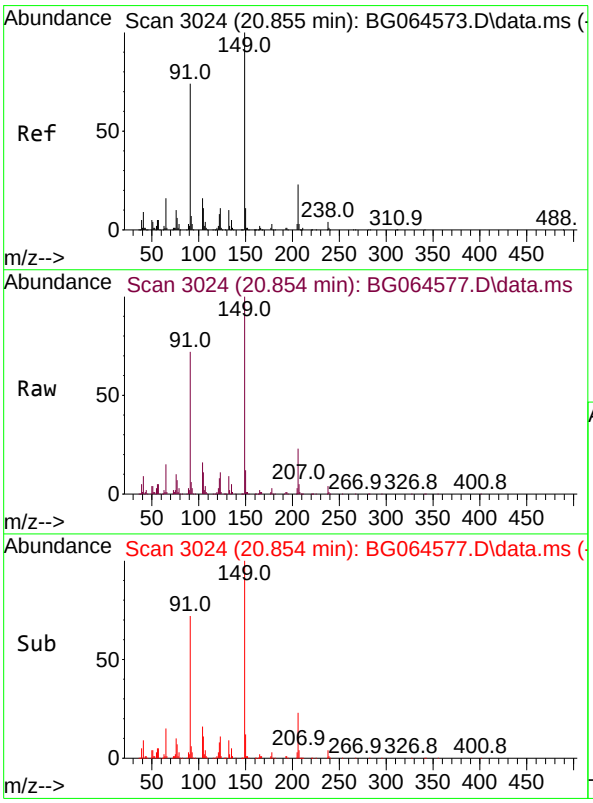
#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:244 Resp: 1151597

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

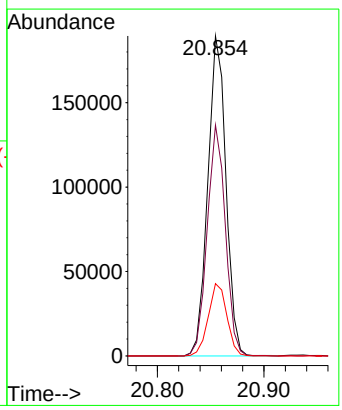


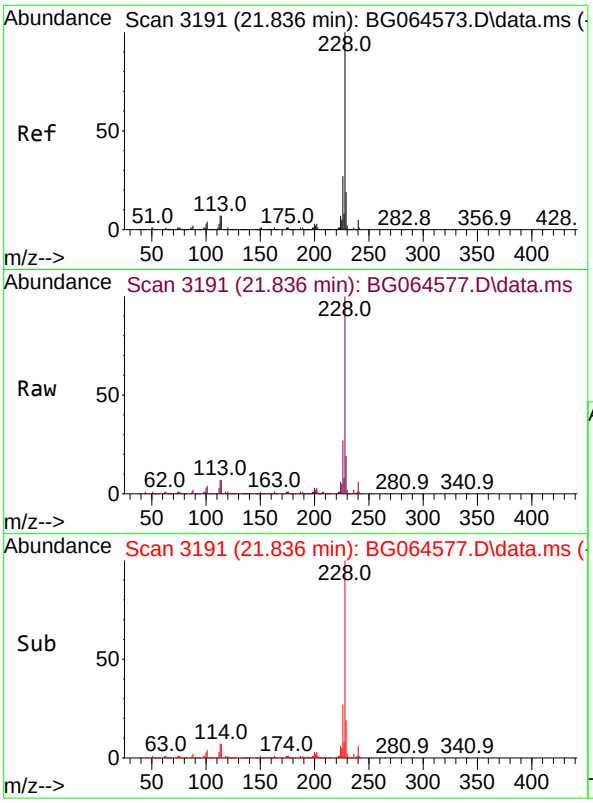


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 224386

Ion	Ratio	Lower	Upper
149	100		
91	72.1	59.2	88.8
206	22.6	18.1	27.1



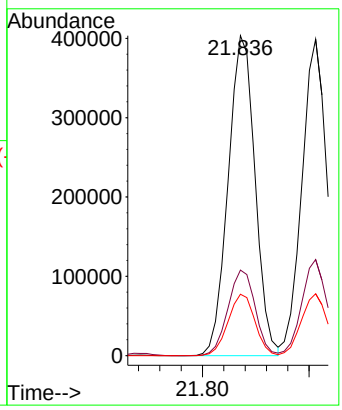


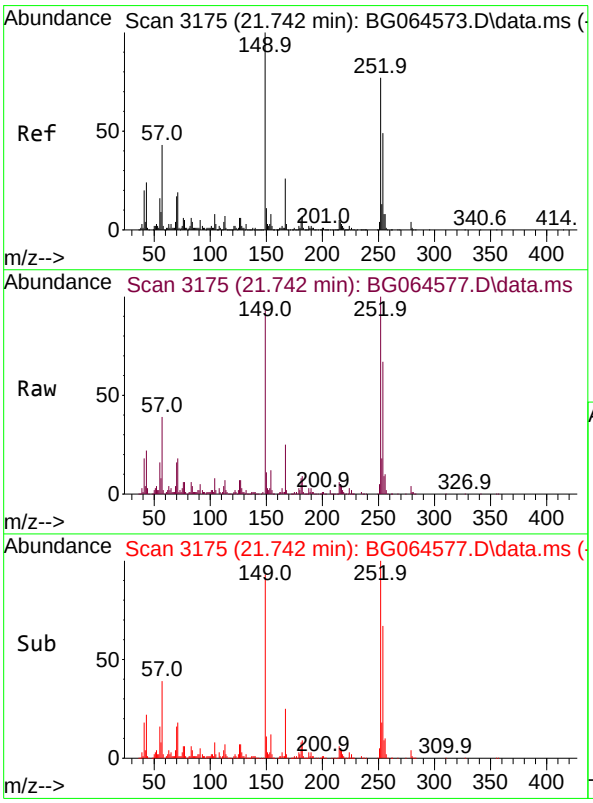
#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 706428

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4

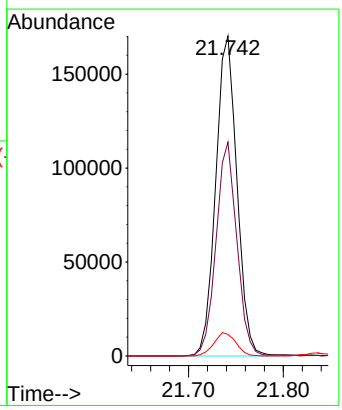


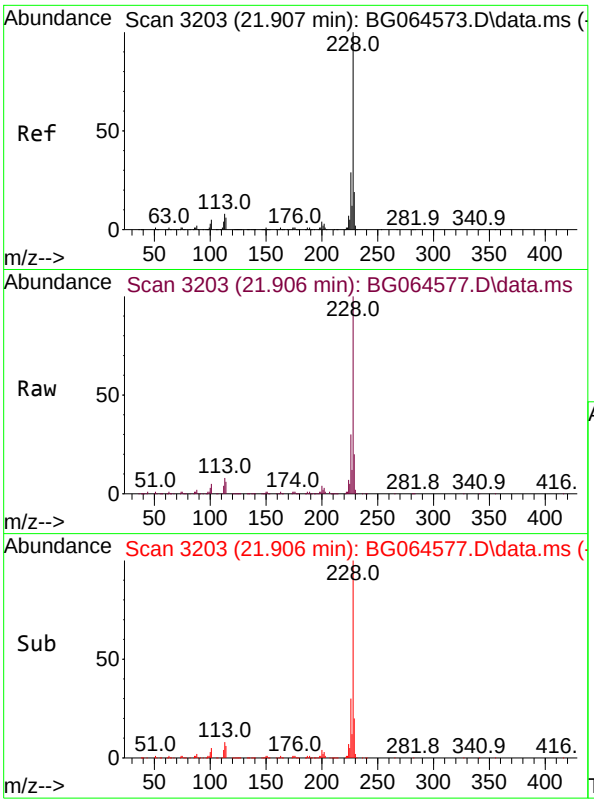


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 265324

Ion	Ratio	Lower	Upper
252	100		
254	66.8	50.8	76.2
126	6.7	5.8	8.6



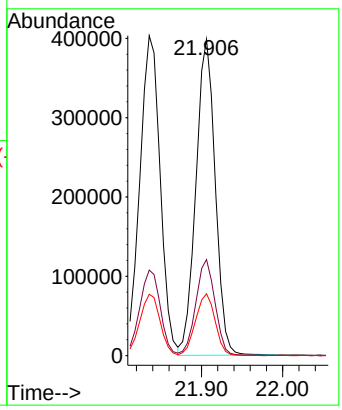


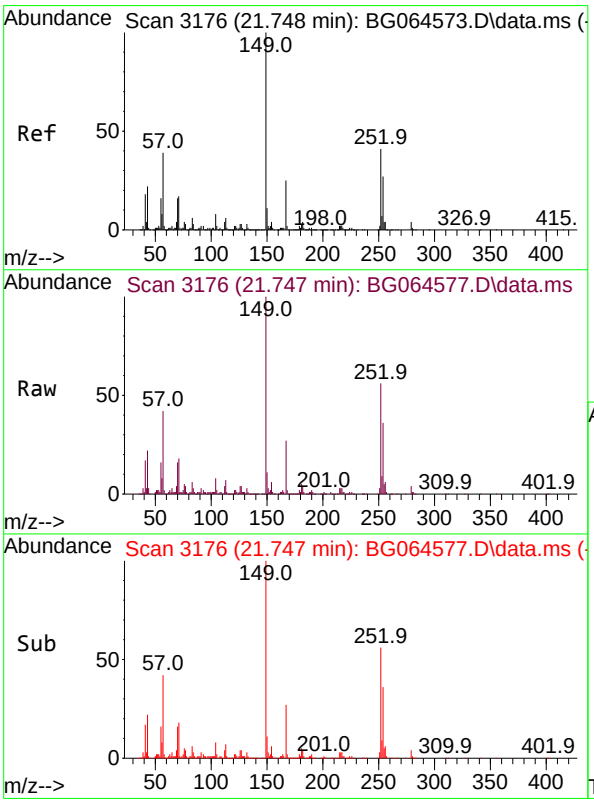
#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 658217

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8

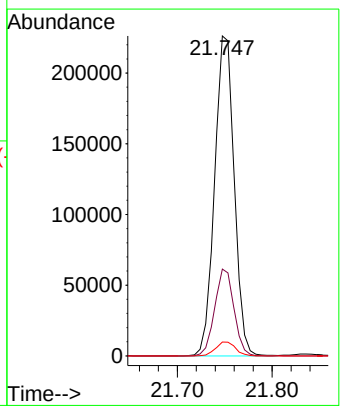


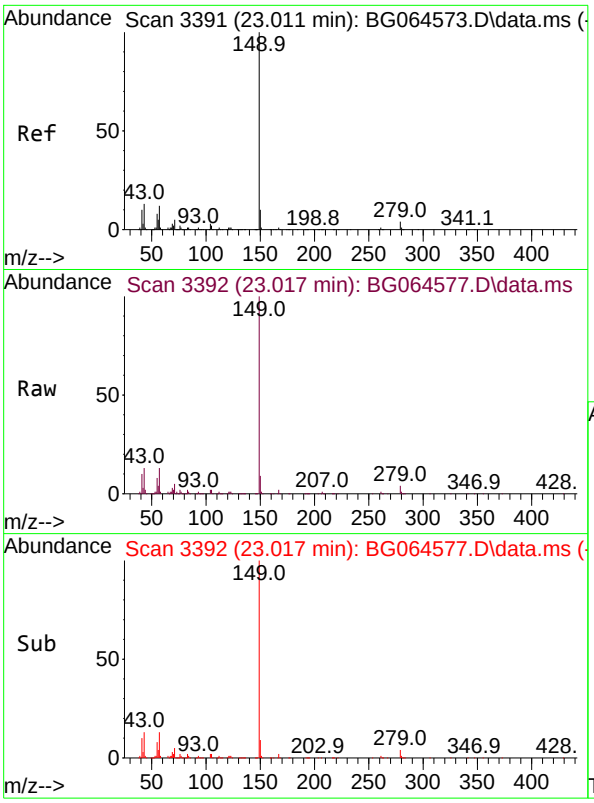


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 324614

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7



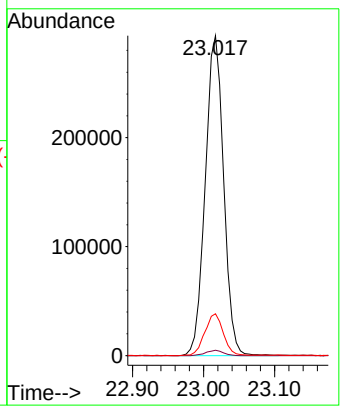


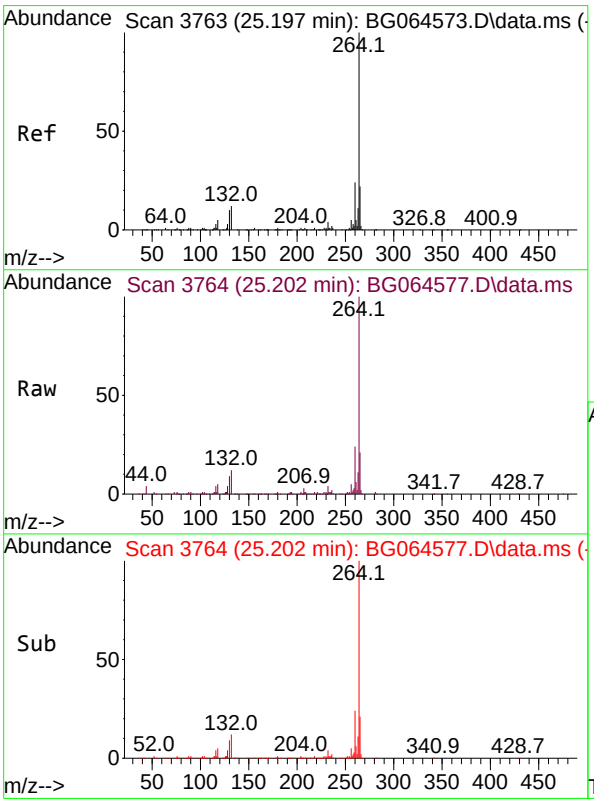
#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:149 Resp: 527097

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2

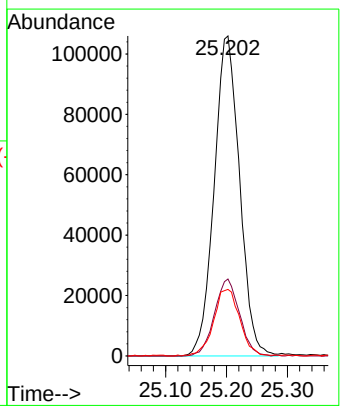


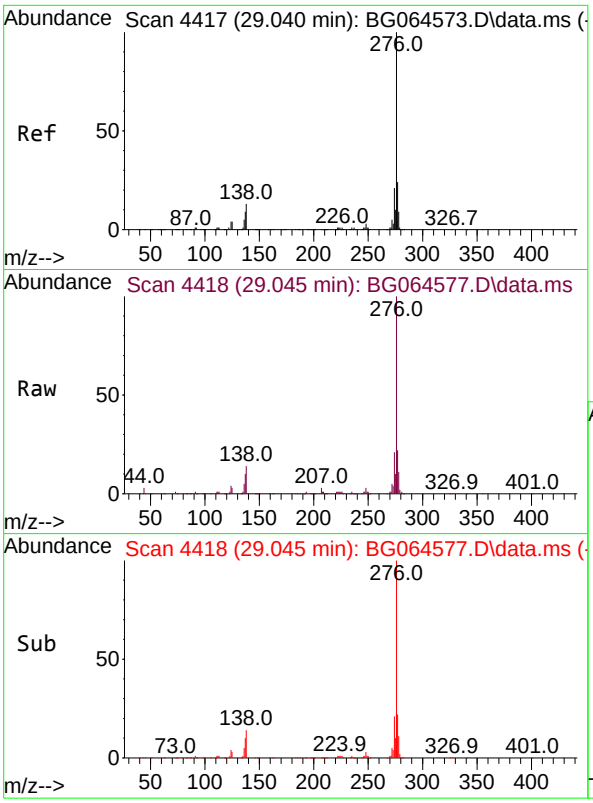


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:264 Resp: 306886

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.8	17.6	26.4



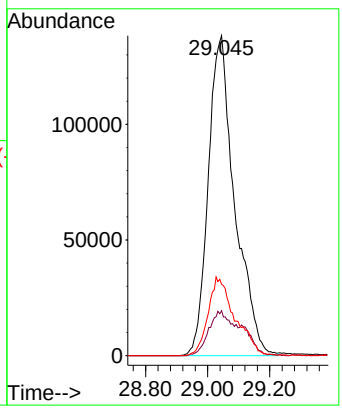


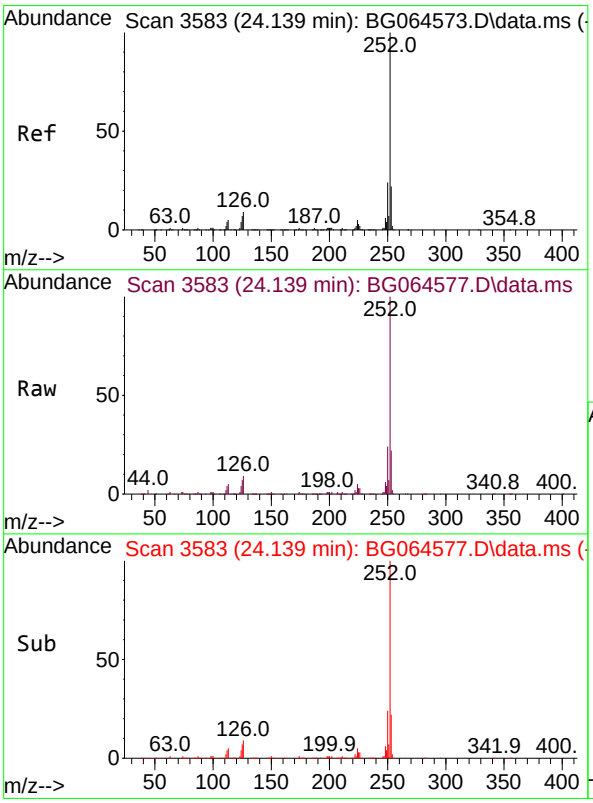
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:276 Resp: 820974

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1

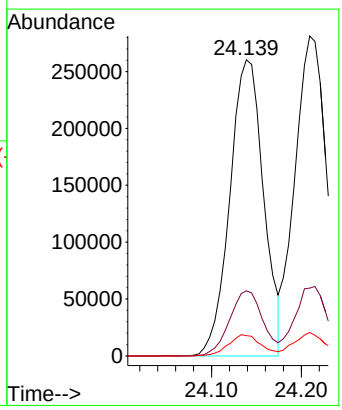


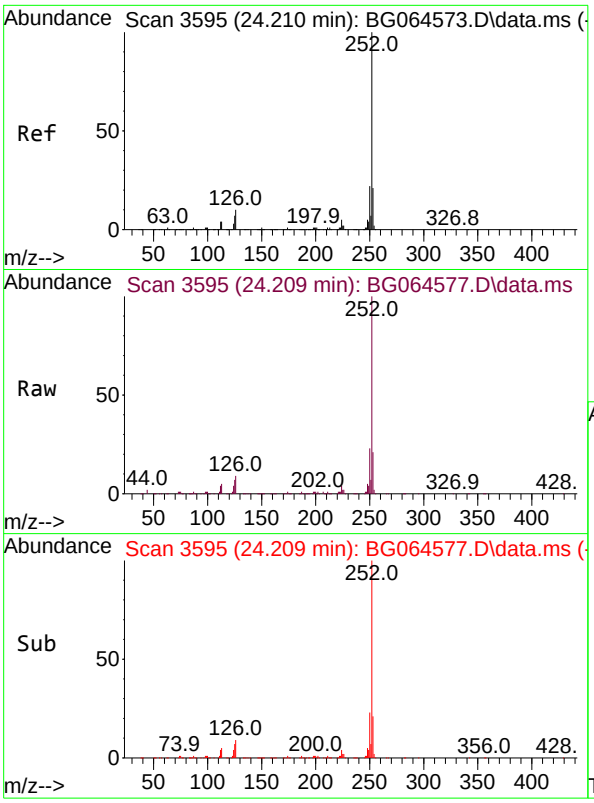


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4



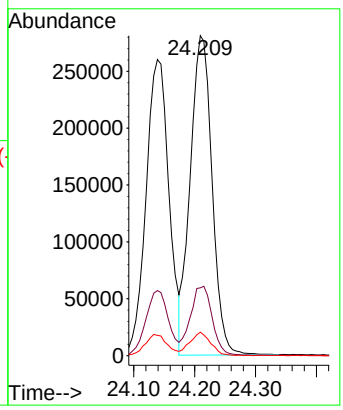


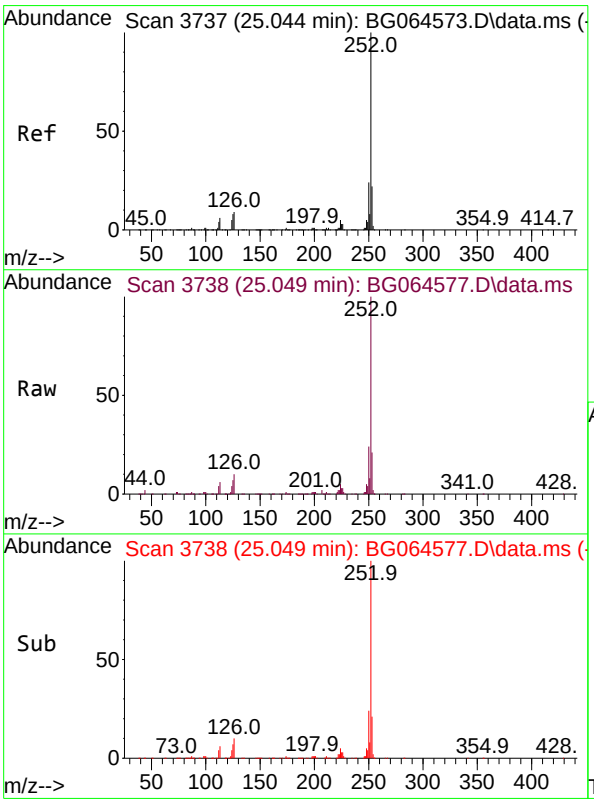
#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:252 Resp: 701500

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0

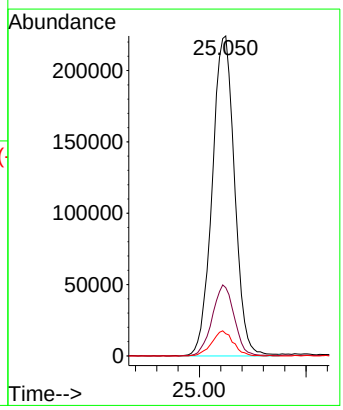


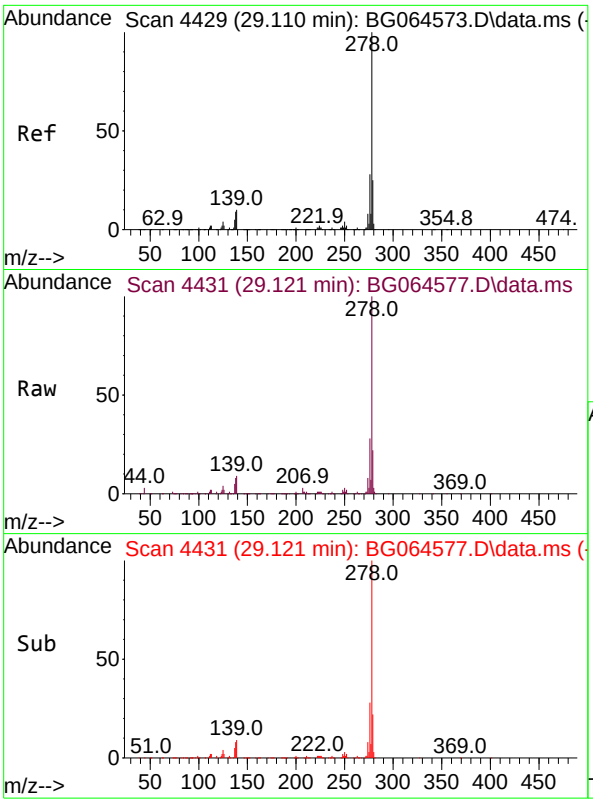


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 652126

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	6.9	6.1	9.1



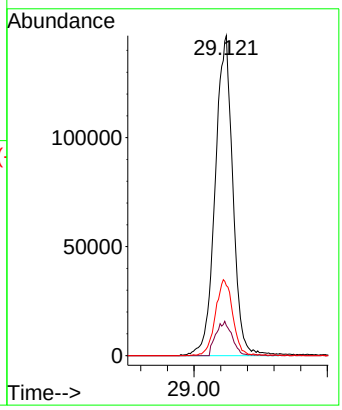


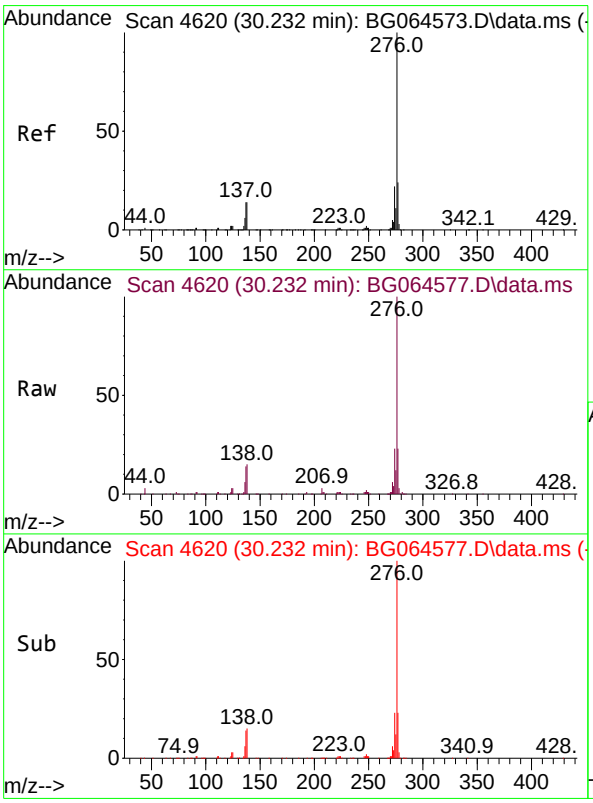
#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. 0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:278 Resp: 674510

Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	21.9	19.8	29.6

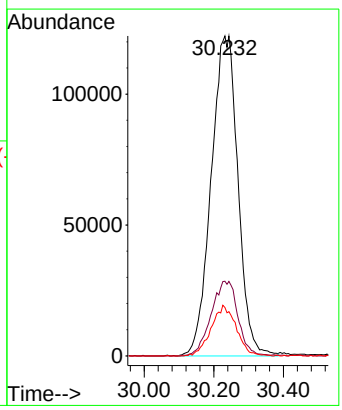




#92
Benzo(g,h,i)perylene
Concen: 37.302 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 653564

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	15.1	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	33.820	15.4	79	0.00
3		Pyridine	40.000	33.313	16.7	73	0.00
4		n-Nitrosodimethylamine	40.000	36.025	9.9	79	0.00
5	S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6		Aniline	40.000	38.118	4.7	82	0.00
7	S	Phenol-d6	80.000	74.109	7.4	79	0.00
8		2-Chlorophenol	40.000	36.981	7.5	78	0.00
9		Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10	C	Phenol	40.000	36.410	9.0	78	0.00
11		bis(2-Chloroethyl)ether	40.000	34.973	12.6	78	0.00
12		1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13	C	1,4-Dichlorobenzene	40.000	37.634	5.9	83	0.00
14		1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15		Benzyl Alcohol	40.000	37.995	5.0	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17		2-Methylphenol	40.000	38.466	3.8	84	0.00
18		Hexachloroethane	40.000	35.743	10.6	78	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20		3+4-Methylphenols	40.000	37.882	5.3	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	37.806	5.5	84	0.00
23	S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24		Nitrobenzene	40.000	39.305	1.7	83	0.00
25		Isophorone	40.000	37.733	5.7	83	0.00
26	C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27		2,4-Dimethylphenol	40.000	40.491	-1.2	86	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29	C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30		1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31		Naphthalene	40.000	35.709	10.7	80	0.00
32		Benzoic acid	40.000	29.620	25.9#	65	-0.01
33		4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34	C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35		Caprolactam	40.000	36.326	9.2	79	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37		2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38		1-Methylnaphthalene	40.000	35.513	11.2	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42	S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44		2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45	S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46		1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47		2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	36.129	9.7	87	0.00
49		Acenaphthylene	40.000	41.457	-3.6	93	0.00
50		Dimethylphthalate	40.000	36.890	7.8	82	0.00
51		2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52	C	Acenaphthene	40.000	35.340	11.6	80	0.00
53		3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54	P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55		Dibenzofuran	40.000	36.096	9.8	82	0.00
56	P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57		2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58		Fluorene	40.000	36.238	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60		Diethylphthalate	40.000	35.961	10.1	81	0.00
61		4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62		4-Nitroaniline	40.000	37.867	5.3	81	0.00
63		Azobenzene	40.000	36.325	9.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68		Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69		Atrazine	40.000	38.558	3.6	85	0.00
70	C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71		Phenanthrene	40.000	35.925	10.2	78	0.00
72		Anthracene	40.000	36.210	9.5	79	0.00
73		Carbazole	40.000	35.061	12.3	77	0.00
74		Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75	C	Fluoranthene	40.000	34.070	14.8	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	54.203	-35.5#	109	0.00
78		Pyrene	40.000	36.130	9.7	74	0.00
79	S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80		Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81		Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83		Chrysene	40.000	35.533	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	0.00
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	0.00
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	0.00
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	0.01
92		Benzo(g,h,i)perylene	40.000	37.302	6.7	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.528	0.446	15.5	79	0.00
3		Pyridine	1.584	1.319	16.7	73	0.00
4		n-Nitrosodimethylamine	0.850	0.765	10.0	79	0.00
5	S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6		Aniline	2.225	2.120	4.7	82	0.00
7	S	Phenol-d6	1.635	1.515	7.3	79	0.00
8		2-Chlorophenol	1.247	1.153	7.5	78	0.00
9		Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10	C	Phenol	1.808	1.646	9.0	78	0.00
11		bis(2-Chloroethyl)ether	1.329	1.162	12.6	78	0.00
12		1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13	C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14		1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15		Benzyl Alcohol	1.348	1.281	5.0	83	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17		2-Methylphenol	1.201	1.155	3.8	84	0.00
18		Hexachloroethane	0.512	0.458	10.5	78	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20		3+4-Methylphenols	1.688	1.599	5.3	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.547	0.517	5.5	84	0.00
23	S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24		Nitrobenzene	0.362	0.356	1.7	83	0.00
25		Isophorone	0.799	0.754	5.6	83	0.00
26	C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27		2,4-Dimethylphenol	0.297	0.301	-1.3	86	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29	C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30		1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31		Naphthalene	1.109	0.990	10.7	80	0.00
32		Benzoic acid	0.207	0.153	26.1#	65	-0.01
33		4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34	C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35		Caprolactam	0.123	0.111	9.8	79	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37		2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38		1-Methylnaphthalene	0.806	0.716	11.2	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42	S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44		2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46		1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47		2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.318	-2.3	87	0.00
49		Acenaphthylene	1.693	1.755	-3.7	93	0.00
50		Dimethylphthalate	1.530	1.411	7.8	82	0.00
51		2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52	C	Acenaphthene	1.157	1.022	11.7	80	0.00
53		3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54	P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55		Dibenzofuran	1.870	1.687	9.8	82	0.00
56	P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57		2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58		Fluorene	1.460	1.323	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60		Diethylphthalate	1.563	1.405	10.1	81	0.00
61		4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62		4-Nitroaniline	0.293	0.277	5.5	81	0.00
63		Azobenzene	1.434	1.302	9.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67		4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68		Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69		Atrazine	0.232	0.224	3.4	85	0.00
70	C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71		Phenanthrene	1.094	0.982	10.2	78	0.00
72		Anthracene	1.113	1.007	9.5	79	0.00
73		Carbazole	0.981	0.860	12.3	77	0.00
74		Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75	C	Fluoranthene	1.370	1.167	14.8	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.448	0.607	-35.5#	109	0.00
78		Pyrene	1.307	1.180	9.7	74	0.00
79	S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80		Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83		Chrysene	1.262	1.121	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85	c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	0.00
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	0.00
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	0.00
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	0.01
92		Benzo(g,h,i)perylene	1.142	1.065	6.7	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: Q3447

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.380		9.2	
Benzaldehyde	1.084	1.063		-1.9	
Phenol-d6	1.396	1.515		8.5	
Phenol	1.722	1.833		6.4	20.0
bis(2-Chloroethyl)ether	1.245	1.349		8.4	
2-Chlorophenol	1.245	1.332		7.0	
2-Methylphenol	0.957	1.041		8.8	
2,2-oxybis(1-Chloropropane)	2.339	2.496		6.7	
Acetophenone	0.432	0.456		5.6	
3+4-Methylphenols	1.132	1.219		7.7	
n-Nitroso-di-n-propylamine	0.903	0.952	0.050	5.4	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.541	0.579		7.0	
Nitrobenzene	0.386	0.407		5.4	
Isophorone	0.638	0.683		7.1	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.273	0.309		13.2	
bis(2-Chloroethoxy)methane	0.398	0.425		6.8	
2,4-Dichlorophenol	0.317	0.336		6.0	20.0
Naphthalene	0.944	0.998		5.7	
4-Chloroaniline	0.329	0.363		10.3	
Hexachlorobutadiene	0.267	0.273		2.2	20.0
Caprolactam	0.080	0.087		8.8	
4-Chloro-3-methylphenol	0.280	0.302		7.9	20.0
2-Methylnaphthalene	0.622	0.664		6.8	
Hexachlorocyclopentadiene	0.212	0.233	0.050	9.9	
2,4,6-Trichlorophenol	0.447	0.457		2.2	20.0
2-Fluorobiphenyl	1.421	1.420		-0.1	
2,4,5-Trichlorophenol	0.469	0.499		6.4	
1,1-Biphenyl	1.432	1.433		0.1	
2-Chloronaphthalene	1.199	1.226		2.2	
2-Nitroaniline	0.356	0.384		7.9	
Dimethylphthalate	1.311	1.344		2.5	
Acenaphthylene	1.617	1.654		2.3	
2,6-Dinitrotoluene	0.259	0.282		8.9	
3-Nitroaniline	0.288	0.296		2.8	
Acenaphthene	1.080	1.105		2.3	20.0
2,4-Dinitrophenol	0.140	0.137	0.050	-2.1	
4-Nitrophenol	0.195	0.203	0.050	4.1	

Form VII SV-1

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.: Q3447

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.549		3.3	
2,4-Dinitrotoluene	0.350	0.367		4.9	
Diethylphthalate	1.233	1.247		1.1	
4-Chlorophenyl-phenylether	0.643	0.665		3.4	
Fluorene	1.143	1.167		2.1	
4-Nitroaniline	0.273	0.281		2.9	
4,6-Dinitro-2-methylphenol	0.128	0.134		4.7	
n-Nitrosodiphenylamine	0.639	0.685		7.2	20.0
2,4,6-Tribromophenol	0.255	0.270		5.9	
4-Bromophenyl-phenylether	0.250	0.275		10.0	
Hexachlorobenzene	0.307	0.333		8.5	
Atrazine	0.210	0.202		-3.8	
Pentachlorophenol	0.146	0.160		9.6	20.0
Phenanthrene	0.994	1.034		4.0	
Anthracene	1.026	1.032		0.6	
Carbazole	0.874	0.880		0.7	
Di-n-butylphthalate	1.071	1.039		-3.0	
Fluoranthene	1.098	1.041		-5.2	20.0
Pyrene	1.438	1.685		17.2	
Terphenyl-d14	1.144	1.306		14.2	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.470	0.505		7.4	
Benzo(a)anthracene	1.352	1.462		8.1	
Chrysene	1.268	1.310		3.3	
Bis(2-ethylhexyl)phthalate	0.743	0.742		-0.1	
Di-n-octyl phthalate	1.277	1.328		4.0	20.0
Benzo(b)fluoranthene	1.131	1.120		-1.0	
Benzo(k)fluoranthene	1.043	1.032		-1.1	
Benzo(a)pyrene	1.014	1.060		4.5	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.510		10.0	
Dibenzo(a,h)anthracene	1.087	1.187		9.2	
Benzo(g,h,i)perylene	1.093	1.200		9.8	
1,2,4,5-Tetrachlorobenzene	0.687	0.712		3.6	
1,4-Dioxane	0.546	0.545		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.362		9.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	54596	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	204208	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	113226	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	184414	20.000	ng		0.00
76) Chrysene-d12	14.057	240	112717	20.000	ng		0.00
86) Perylene-d12	15.545	264	164562	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	301448	87.355	ng		0.00
7) Phenol-d6	6.510	99	330814	86.803	ng		0.00
23) Nitrobenzene-d5	7.445	82	314127	84.277	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	122439	84.893	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	642905	79.903	ng		0.00
79) Terphenyl-d14	12.998	244	588700	91.306	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	59552	39.936	ng		96
3) Pyridine	3.393	79	166522	41.712	ng		99
4) n-Nitrosodimethylamine	3.340	42	93637	38.172	ng		95
6) Aniline	6.545	93	234678	43.042	ng		96
8) 2-Chlorophenol	6.663	128	145493	42.812	ng		98
9) Benzaldehyde	6.434	77	116032	39.213	ng		99
10) Phenol	6.522	94	200102	42.559	ng		100
11) bis(2-Chloroethyl)ether	6.616	93	147253	43.342	ng		97
12) 1,3-Dichlorobenzene	6.822	146	179182	42.743	ng		99
13) 1,4-Dichlorobenzene	6.898	146	177496	42.963	ng		99
14) 1,2-Dichlorobenzene	7.051	146	169286	42.349	ng		99
15) Benzyl Alcohol	7.022	79	136290	43.981	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	272539	42.682	ng		97
17) 2-Methylphenol	7.134	107	113631	43.474	ng		97
18) Hexachloroethane	7.392	117	63229	42.808	ng		93
19) n-Nitroso-di-n-propyla...	7.292	70	103980	42.191	ng		98
20) 3+4-Methylphenols	7.286	107	133106	43.078	ng	#	84
22) Acetophenone	7.292	105	186251	42.203	ng		93
24) Nitrobenzene	7.463	77	166205	42.153	ng		100
25) Isophorone	7.698	82	278979	42.811	ng		99
26) 2-Nitrophenol	7.781	139	81158	43.268	ng		100
27) 2,4-Dimethylphenol	7.816	122	126382	45.340	ng		95
28) bis(2-Chloroethoxy)met...	7.910	93	173620	42.723	ng		99
29) 2,4-Dichlorophenol	8.022	162	137420	42.393	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	136990	41.079	ng		97
31) Naphthalene	8.186	128	407407	42.271	ng		99
32) Benzoic acid	7.922	122	73873	41.781	ng	#	83
33) 4-Chloroaniline	8.233	127	148161	44.158	ng		97
34) Hexachlorobutadiene	8.298	225	111465	40.877	ng		97
35) Caprolactam	8.598	113	35660	43.869	ng		91
36) 4-Chloro-3-methylphenol	8.710	107	123434	43.150	ng		96
37) 2-Methylnaphthalene	8.875	142	271332	42.699	ng		97
38) 1-Methylnaphthalene	8.975	142	259791	43.152	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	161259	41.440	ng		98
41) Hexachlorocyclopentadiene	9.028	237	52737	43.878	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	103575	40.949	ng		95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

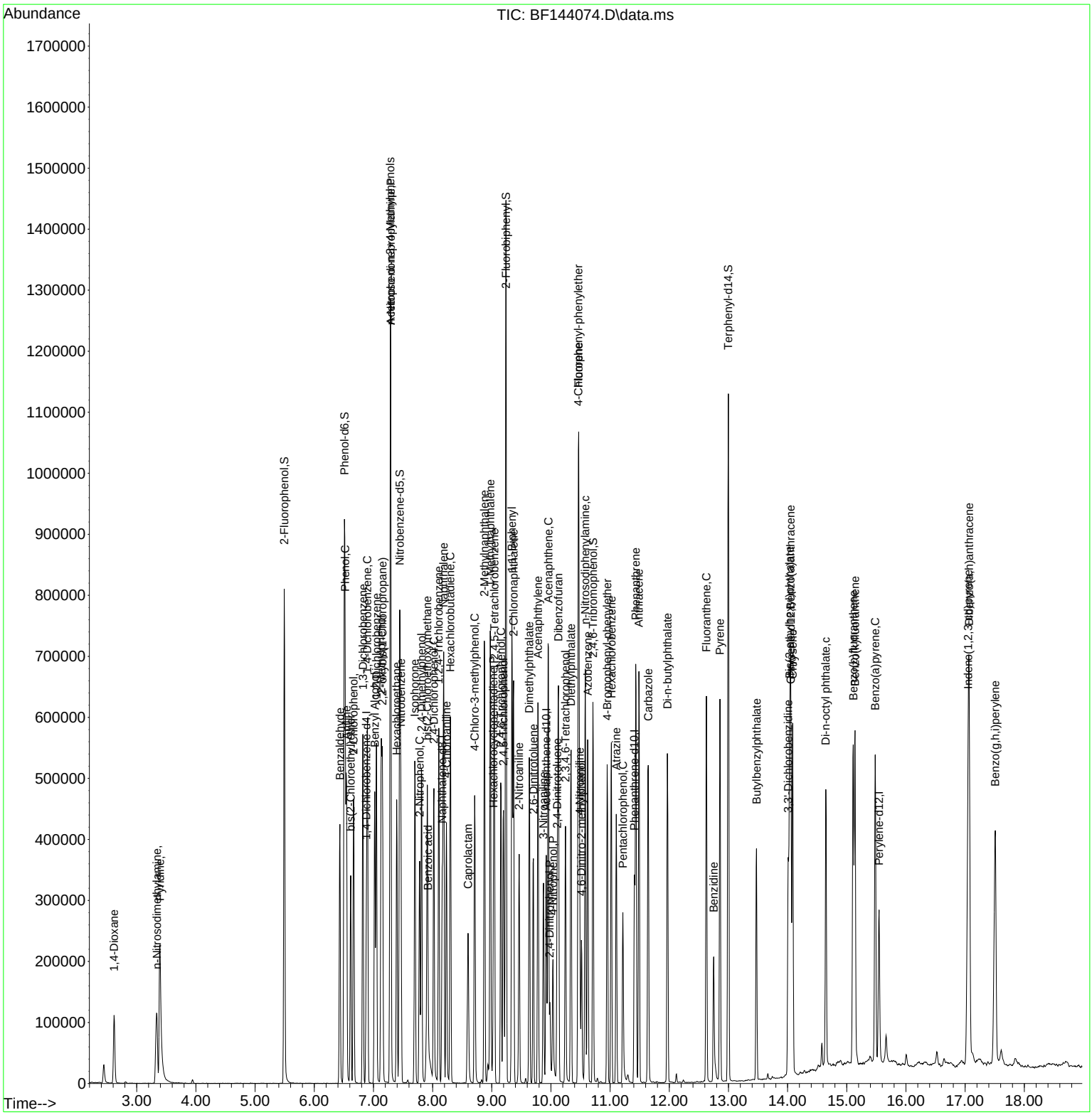
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	113082	42.599	ng		95
46) 1,1'-Biphenyl	9.339	154	324424	40.027	ng		100
47) 2-Chloronaphthalene	9.369	162	277516	40.869	ng		97
48) 2-Nitroaniline	9.463	65	87054	43.173	ng		98
49) Acenaphthylene	9.780	152	374544	40.908	ng		100
50) Dimethylphthalate	9.633	163	304442	41.020	ng		100
51) 2,6-Dinitrotoluene	9.704	165	63869	43.531	ng		95
52) Acenaphthene	9.957	154	250322	40.938	ng		98
53) 3-Nitroaniline	9.875	138	66981	41.061	ng		96
54) 2,4-Dinitrophenol	9.980	184	30917	38.960	ng		99
55) Dibenzofuran	10.127	168	350742	41.318	ng		96
56) 4-Nitrophenol	10.033	139	45872	41.527	ng		93
57) 2,4-Dinitrotoluene	10.104	165	83007	41.918	ng		96
58) Fluorene	10.469	166	264329	40.866	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	81964	43.817	ng		98
60) Diethylphthalate	10.339	149	282370	40.457	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	150675	41.424	ng		98
62) 4-Nitroaniline	10.486	138	63652	41.182	ng		98
63) Azobenzene	10.622	77	267316	40.465	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	49356	41.715	ng		96
66) n-Nitrosodiphenylamine	10.580	169	252814	42.907	ng		98
67) 4-Bromophenyl-phenylether	10.951	248	101473	43.947	ng		98
68) Hexachlorobenzene	11.022	284	123002	43.436	ng		97
69) Atrazine	11.104	200	74391	38.475	ng		99
70) Pentachlorophenol	11.216	266	59017	43.784	ng		96
71) Phenanthrene	11.433	178	381184	41.610	ng		98
72) Anthracene	11.486	178	380792	40.239	ng		98
73) Carbazole	11.645	167	324513	40.288	ng		99
74) Di-n-butylphthalate	11.969	149	383099	38.793	ng		99
75) Fluoranthene	12.627	202	383968	37.938	ng		100
77) Benzidine	12.751	184	145430	41.457	ng		100
78) Pyrene	12.857	202	379834	46.872	ng		99
80) Butylbenzylphthalate	13.474	149	124111	40.484	ng		98
81) Benzo(a)anthracene	14.051	228	329626	43.272	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	113938	42.969	ng		100
83) Chrysene	14.086	228	295359	41.319	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	167373	39.991	ng		99
85) Di-n-octyl phthalate	14.645	149	299304	41.585	ng	#	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	496906	43.981	ng		100
88) Benzo(b)fluoranthene	15.110	252	368610	39.622	ng		99
89) Benzo(k)fluoranthene	15.139	252	339785	39.586	ng		99
90) Benzo(a)pyrene	15.480	252	348799	41.791	ng		99
91) Dibenzo(a,h)anthracene	17.068	278	390777	43.695	ng		99
92) Benzo(g,h,i)perylene	17.509	276	394850	43.914	ng		99

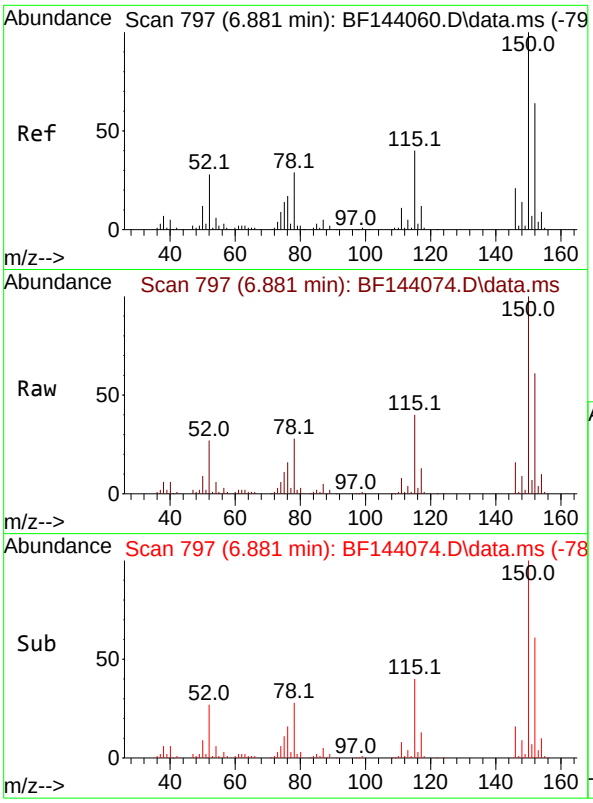
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



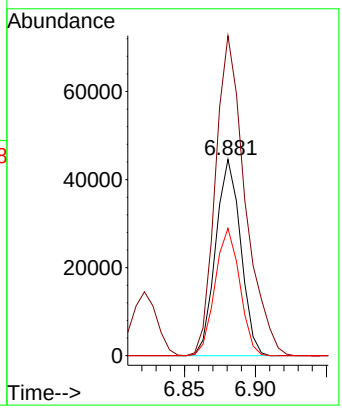


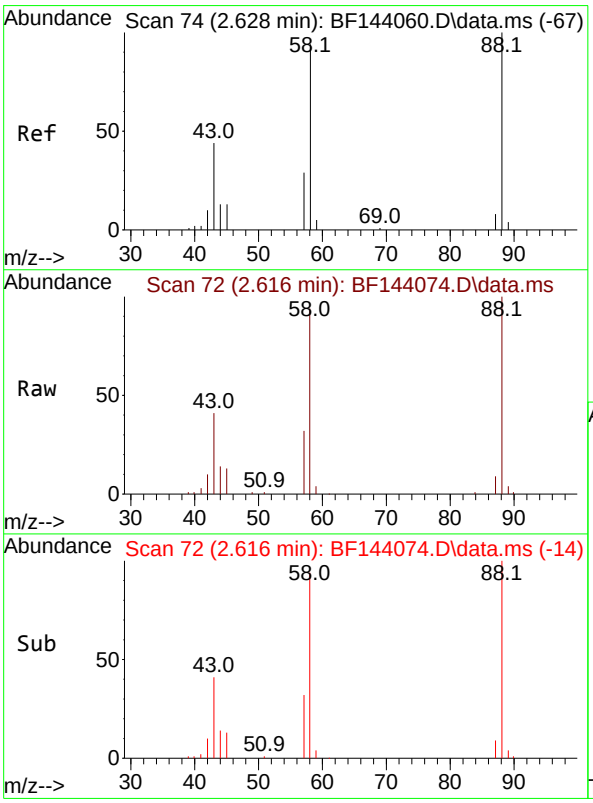
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 54596

Ion	Ratio	Lower	Upper
152	100		
150	163.1	124.4	186.6
115	64.9	49.4	74.0

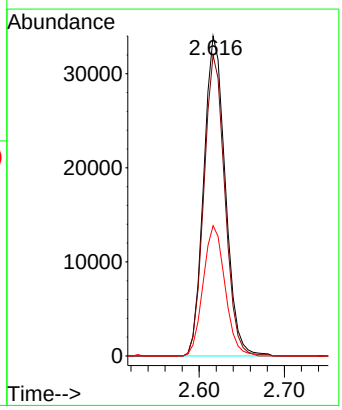


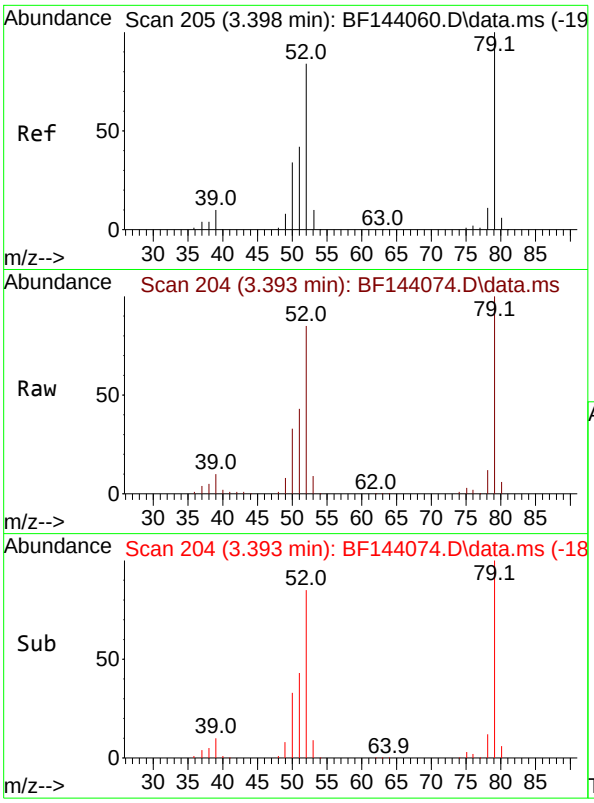


#2
1,4-Dioxane
Concen: 39.936 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.012 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 88 Resp: 59552

Ion	Ratio	Lower	Upper
88	100		
58	91.7	76.5	114.7
43	41.3	35.3	52.9



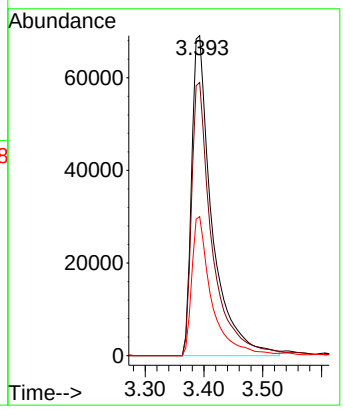


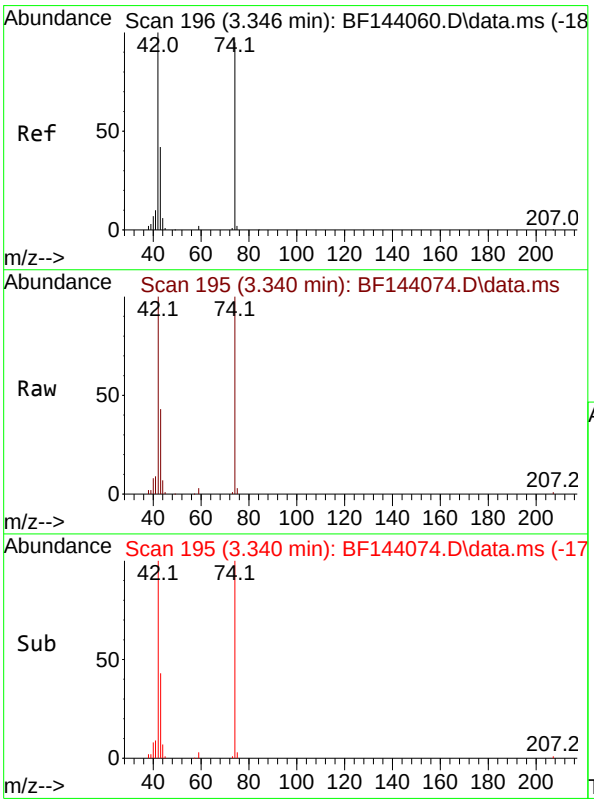
#3
Pyridine
Concen: 41.712 ng
RT: 3.393 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 166522

Ion	Ratio	Lower	Upper
79	100		
52	85.4	67.5	101.3
51	43.5	33.6	50.4

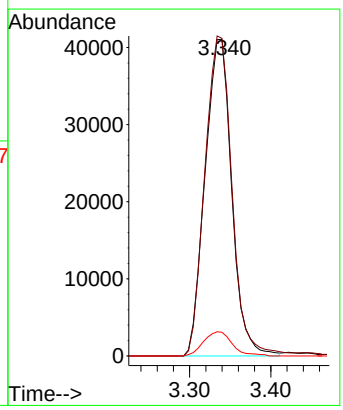


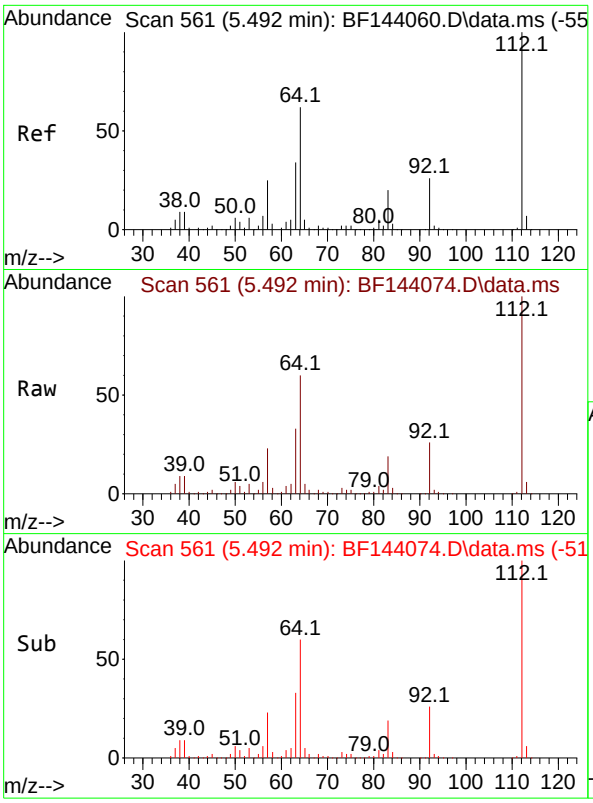


#4
n-Nitrosodimethylamine
Concen: 38.172 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 42 Resp: 93637

Ion	Ratio	Lower	Upper
42	100		
74	100.3	76.4	114.6
44	7.5	5.2	7.8



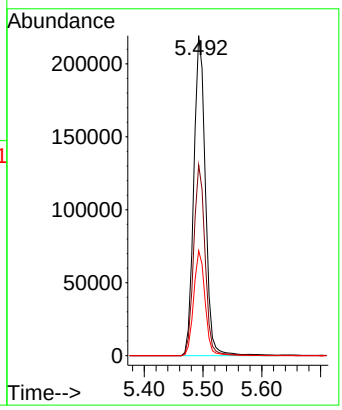


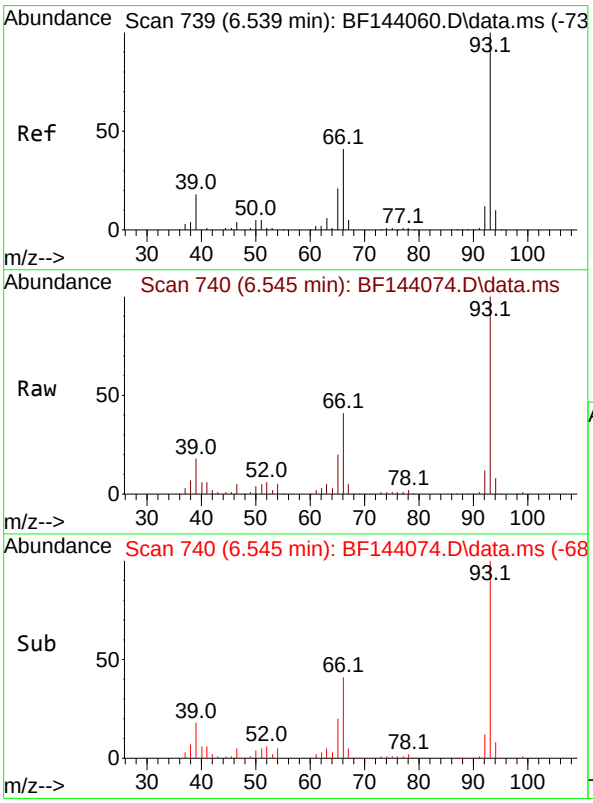
#5
2-Fluorophenol
Concen: 87.355 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 301448

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.8	74.8
63	32.8	27.4	41.2

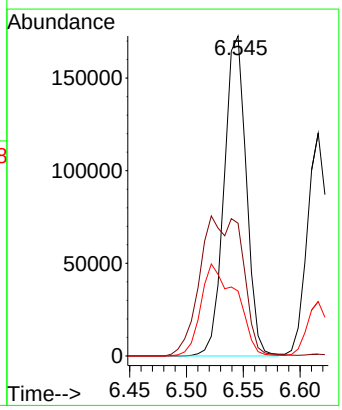


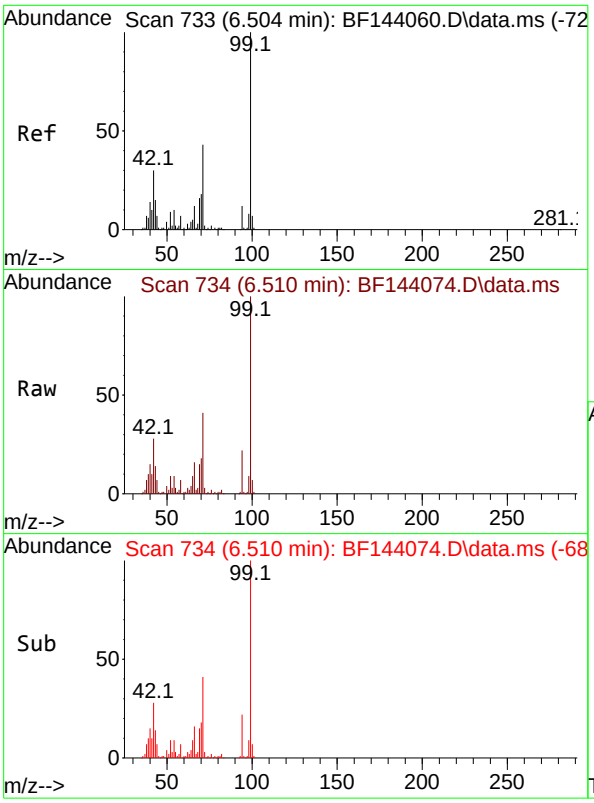


#6
Aniline
Concen: 43.042 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 93 Resp: 234678

Ion	Ratio	Lower	Upper
93	100		
66	41.5	35.7	53.5
65	20.3	17.0	25.6



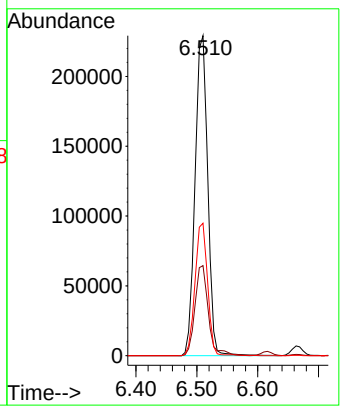


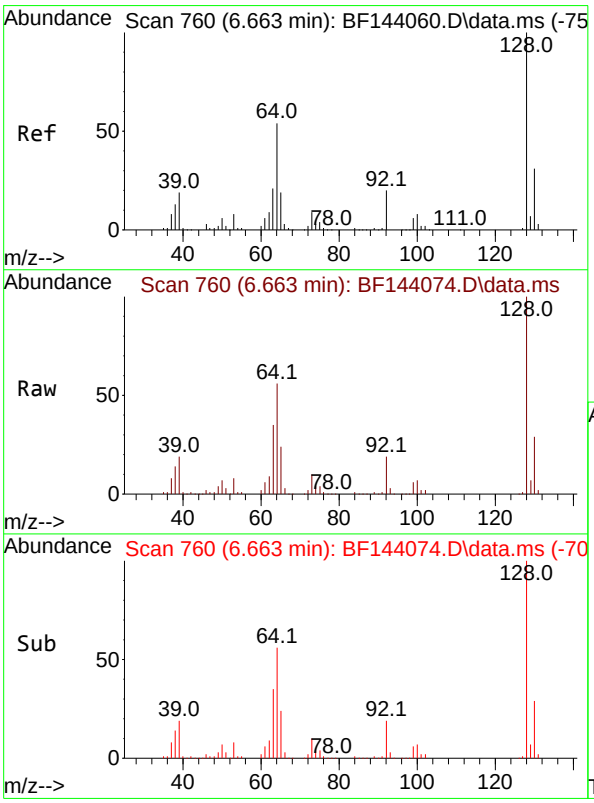
#7
Phenol-d6
Concen: 86.803 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 330814

Ion	Ratio	Lower	Upper
99	100		
42	28.2	23.9	35.9
71	41.4	34.4	51.6

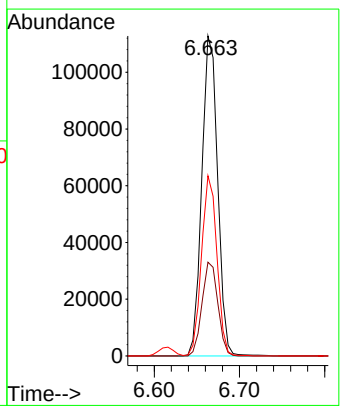


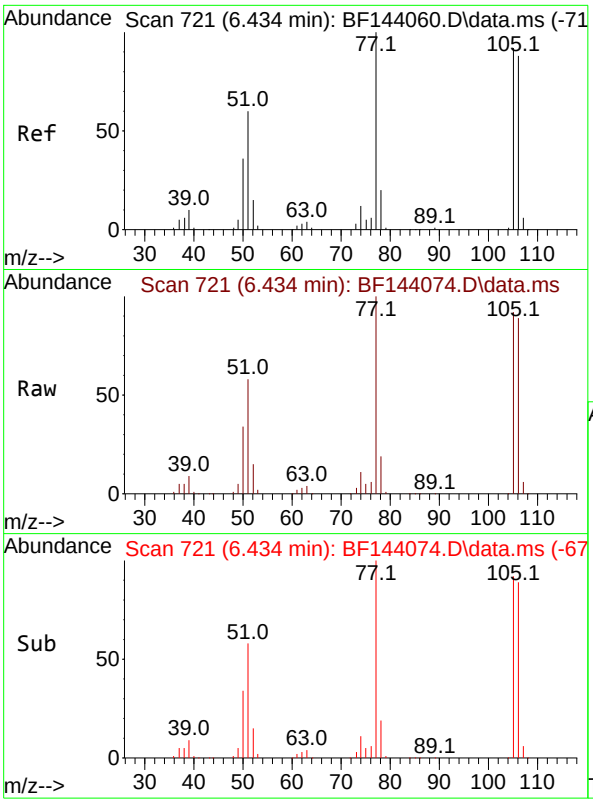


#8
2-Chlorophenol
Concen: 42.812 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:128 Resp: 145493

Ion	Ratio	Lower	Upper
128	100		
130	29.3	10.7	50.7
64	56.3	34.7	74.7



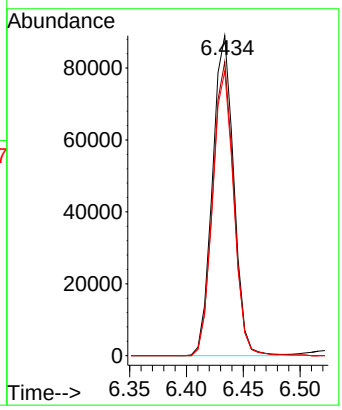


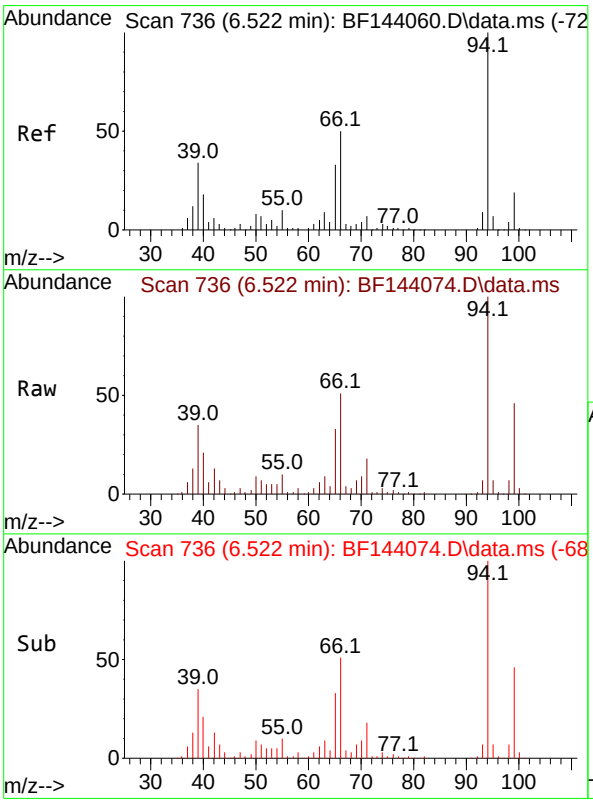
#9
Benzaldehyde
Concen: 39.213 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 116032

Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.2	112.2
106	88.9	67.9	107.9

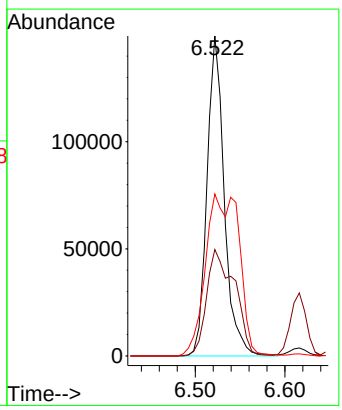


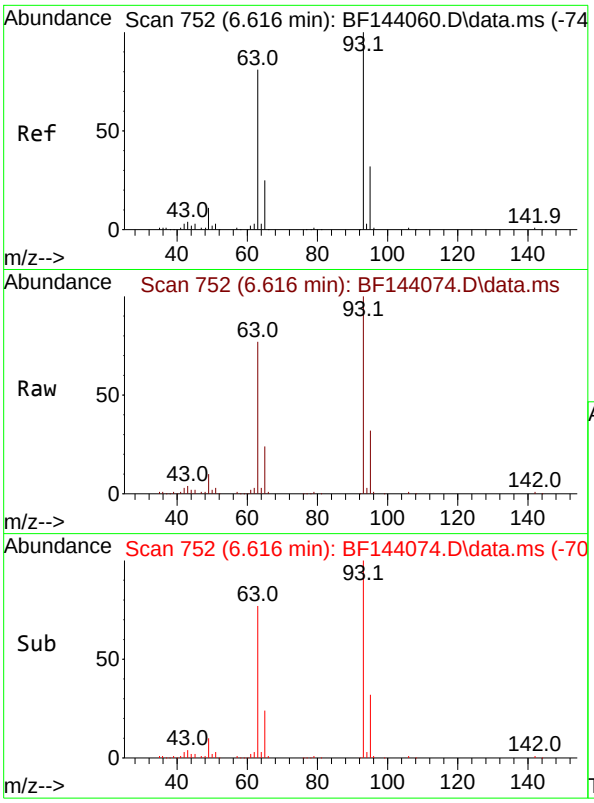


#10
Phenol
Concen: 42.559 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 94 Resp: 200102

Ion	Ratio	Lower	Upper
94	100		
65	33.3	13.1	53.1
66	50.6	30.6	70.6



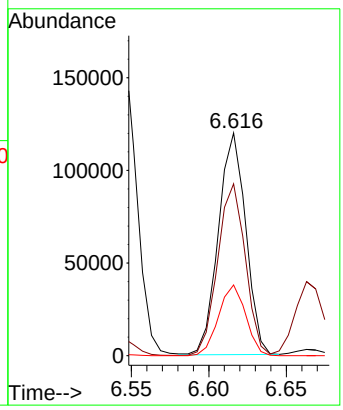


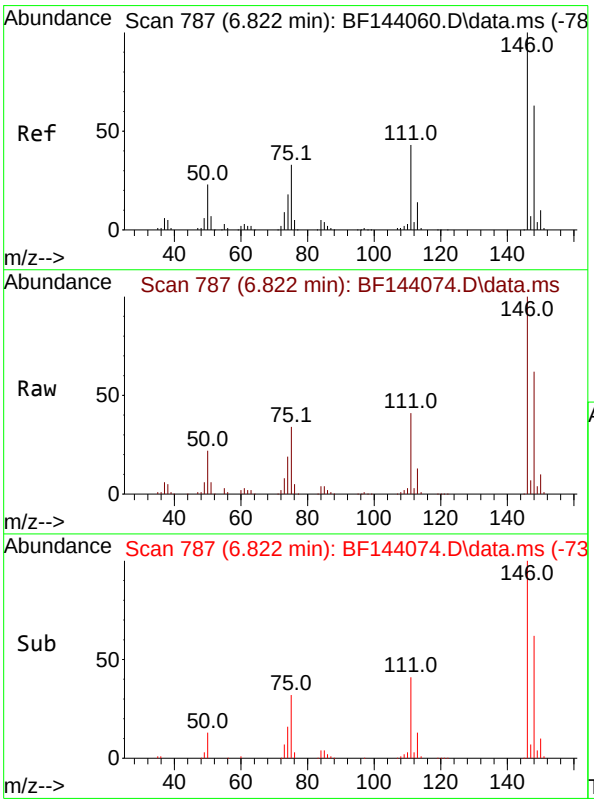
#11
bis(2-Chloroethyl)ether
Concen: 43.342 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 147253

Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.2	100.2
95	31.7	12.4	52.4

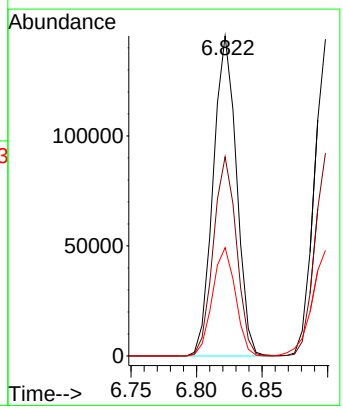


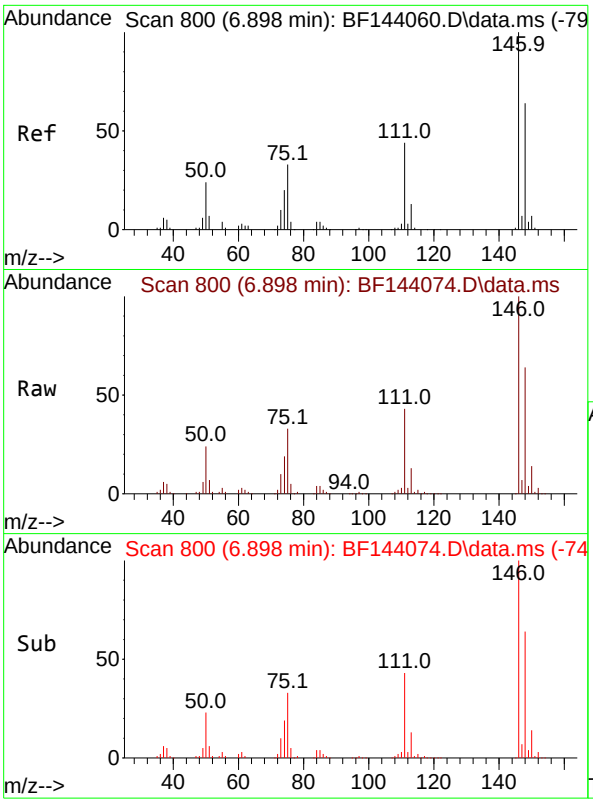


#12
1,3-Dichlorobenzene
Concen: 42.743 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:146 Resp: 179182

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	75.8
75	33.8	26.6	40.0



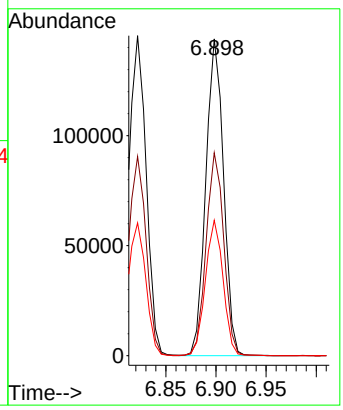


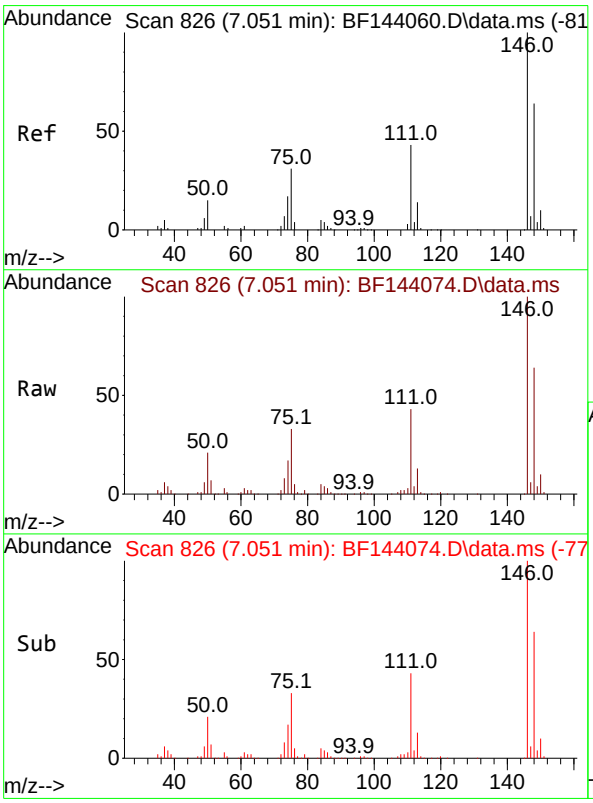
#13
1,4-Dichlorobenzene
Concen: 42.963 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 177496

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
111	42.7	35.0	52.6

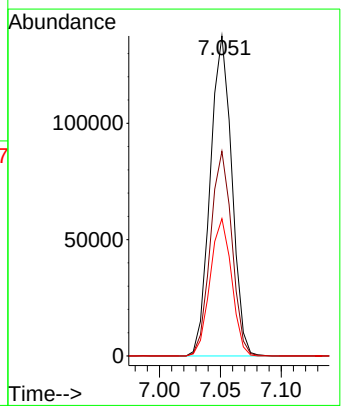


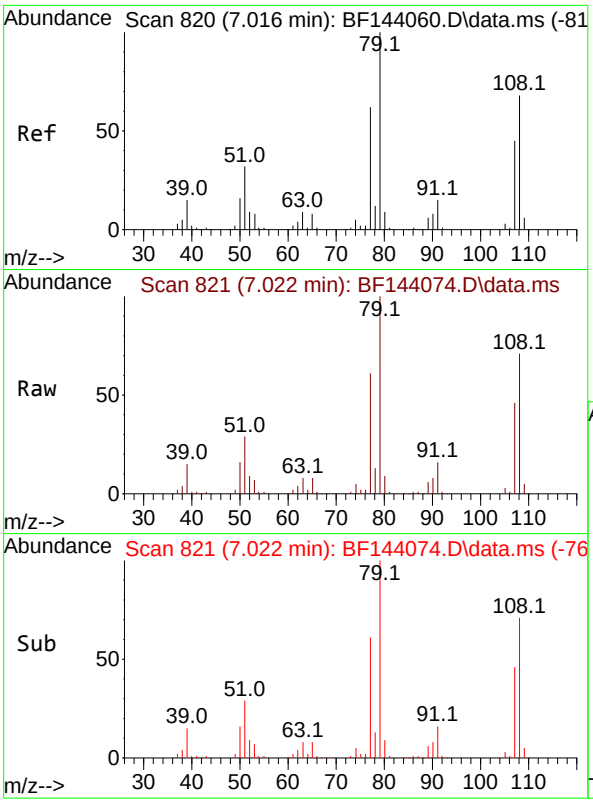


#14
1,2-Dichlorobenzene
Concen: 42.349 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:146 Resp: 169286

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	42.9	34.7	52.1



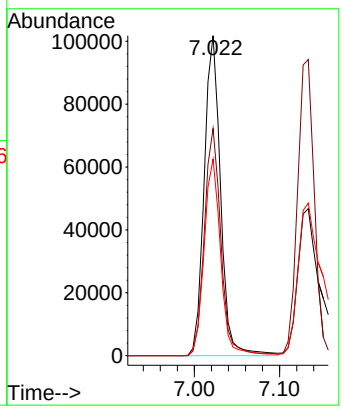


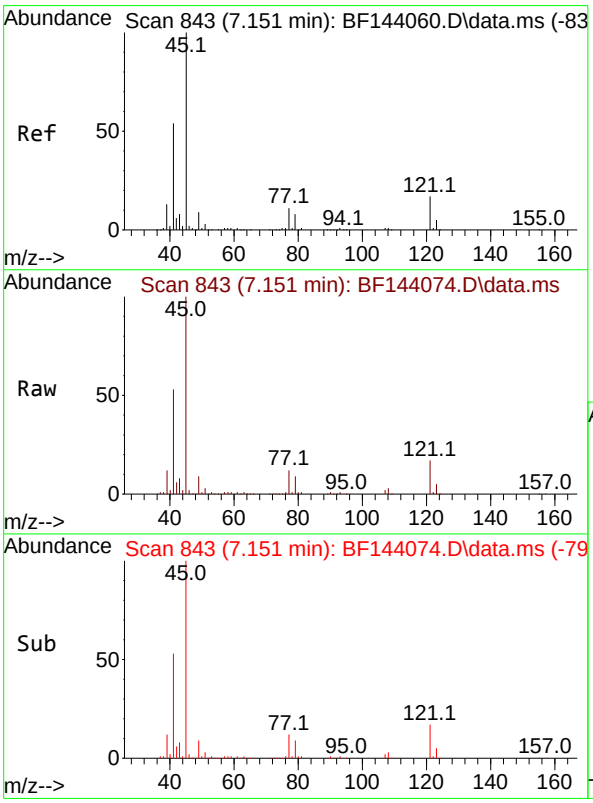
#15
Benzyl Alcohol
Concen: 43.981 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 136290

Ion	Ratio	Lower	Upper
79	100		
108	71.0	54.8	82.2
77	61.4	49.4	74.0

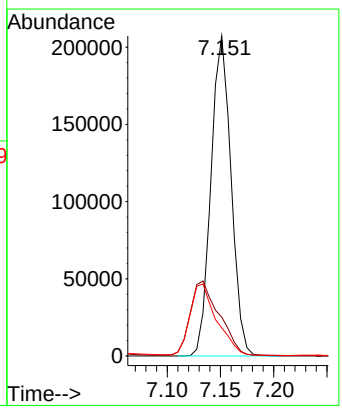


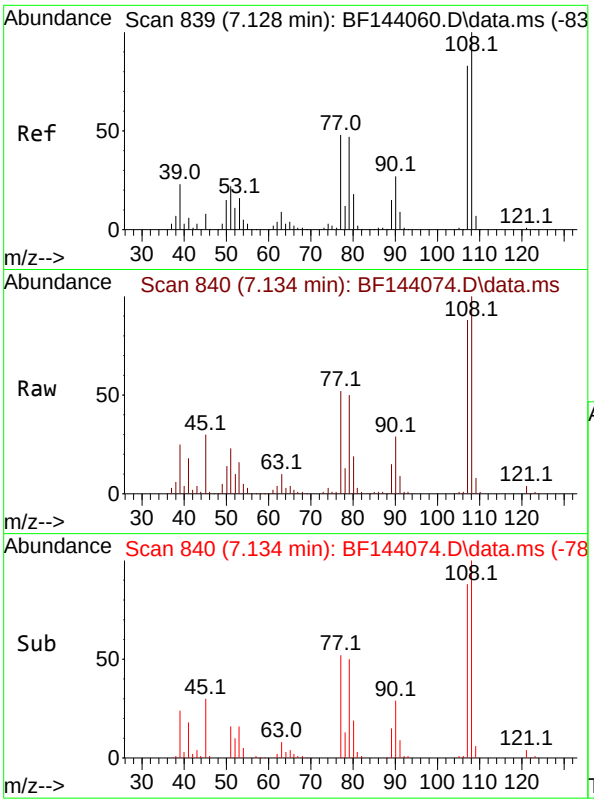


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.682 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 45 Resp: 272539

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	30.9
79	8.8	0.0	28.2



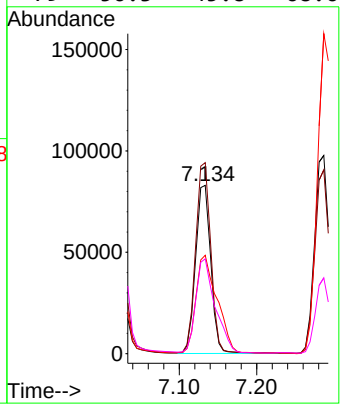


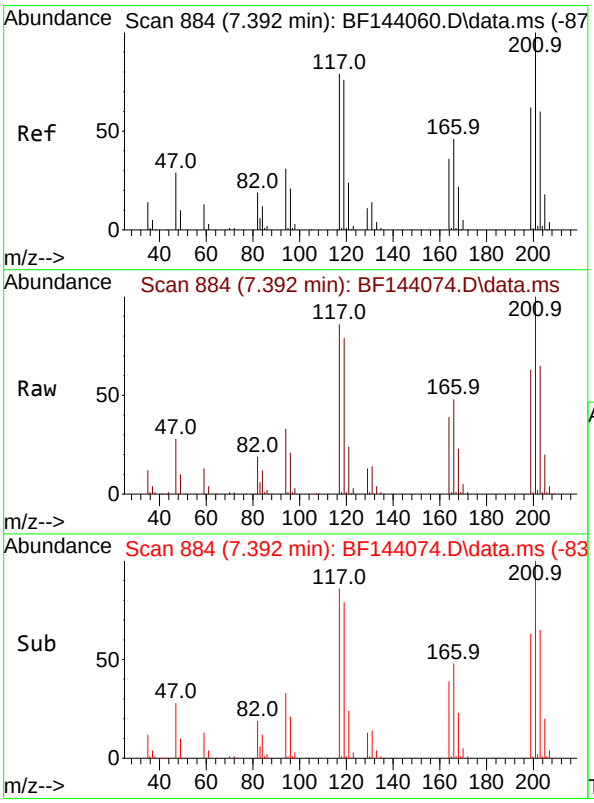
#17
2-Methylphenol
Concen: 43.474 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 113631

Ion	Ratio	Lower	Upper
107	100		
108	113.5	96.4	144.6
77	58.5	46.8	70.2
79	56.3	45.8	68.6

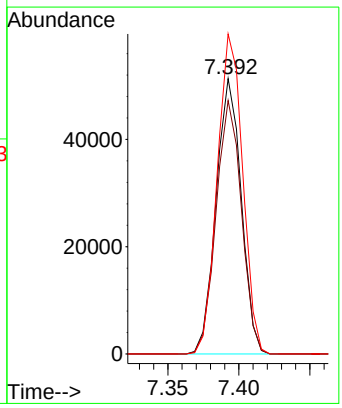


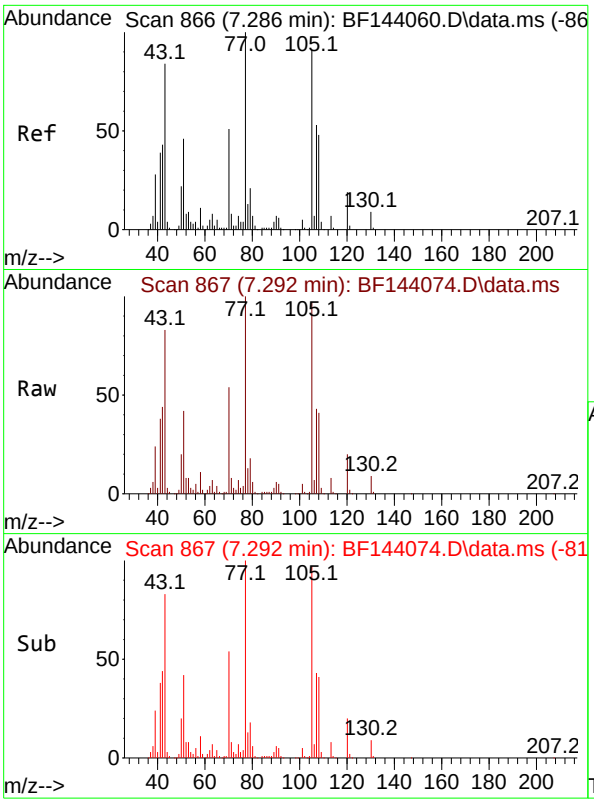


#18
Hexachloroethane
Concen: 42.808 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:117 Resp: 63229

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.6	115.0
201	116.2	100.9	151.3



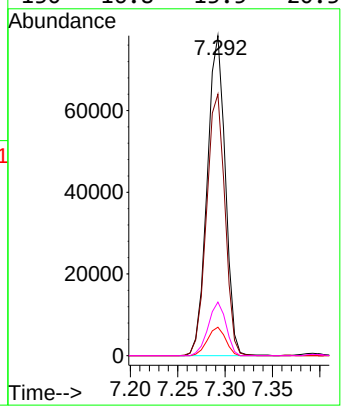


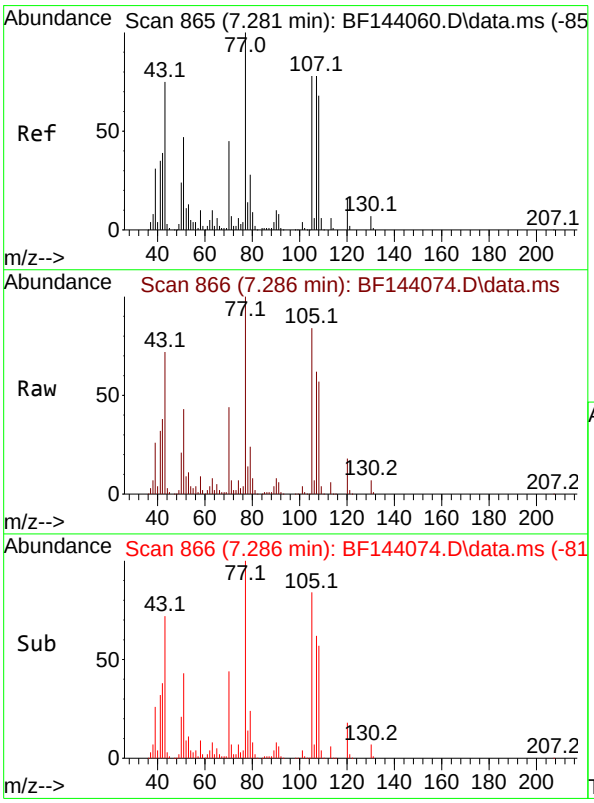
#19
n-Nitroso-di-n-propylamine
Concen: 42.191 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 103980

Ion	Ratio	Lower	Upper
70	100		
42	81.7	67.4	101.0
101	8.9	7.1	10.7
130	16.8	13.5	20.3

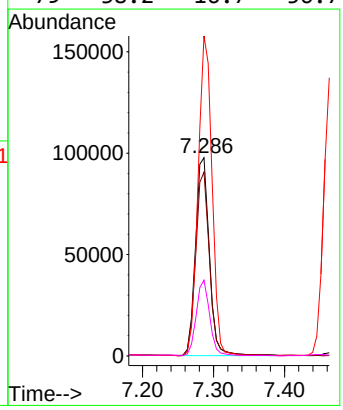


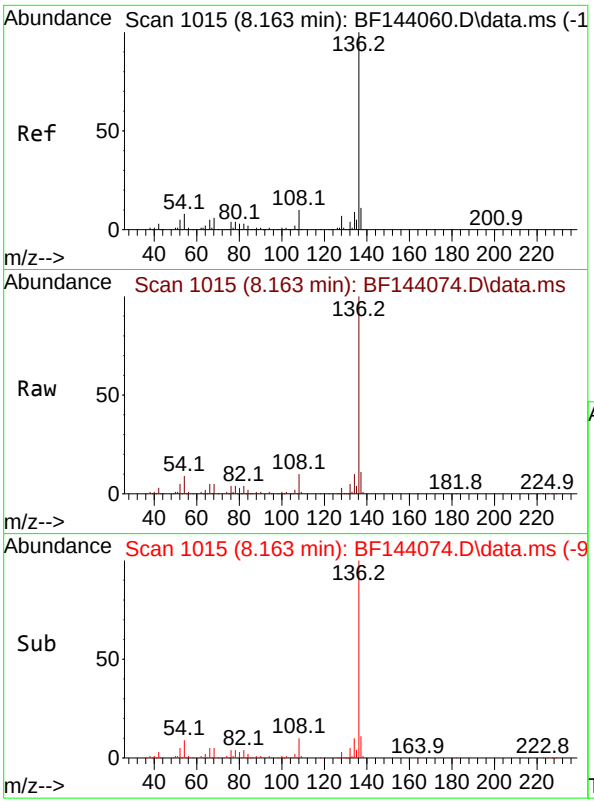


#20
3+4-Methylphenols
Concen: 43.078 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:107 Resp: 133106

Ion	Ratio	Lower	Upper
107	100		
108	92.8	68.0	108.0
77	161.4	108.7	148.7#
79	38.2	16.7	56.7



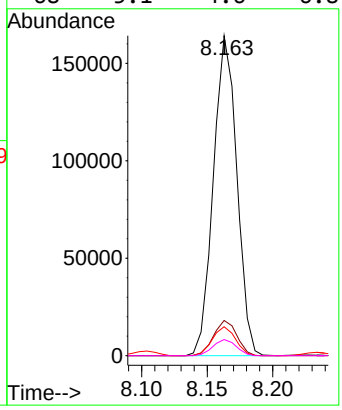


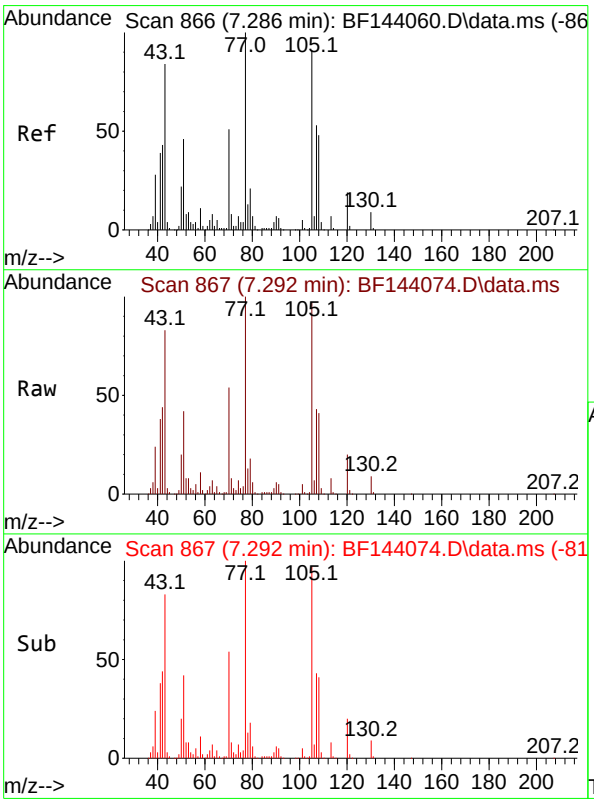
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 204208

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.1	6.6	9.8
68	5.1	4.6	6.8

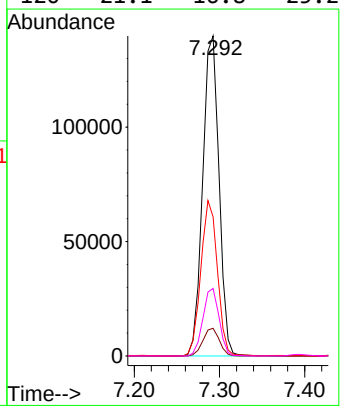


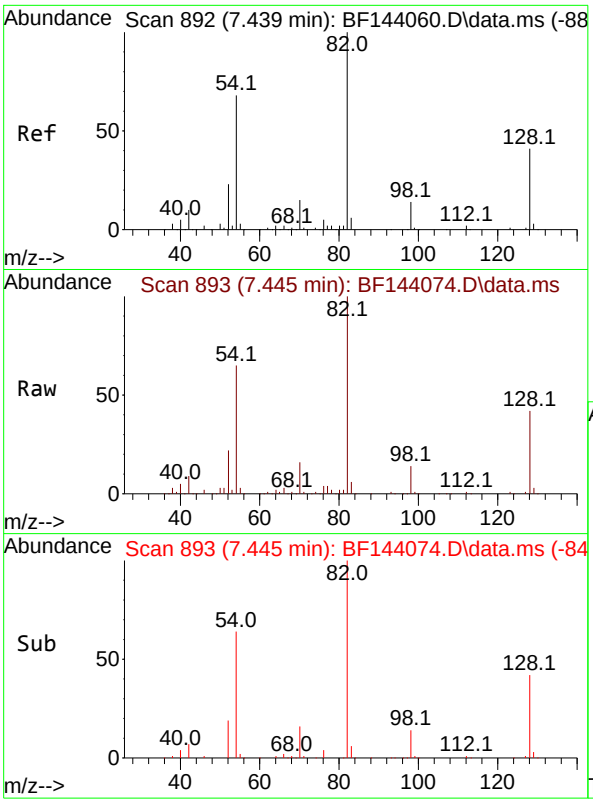


#22
Acetophenone
Concen: 42.203 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:105 Resp: 186251

Ion	Ratio	Lower	Upper
105	100		
71	8.7	6.9	10.3
51	43.5	40.6	60.8
120	21.1	16.8	25.2



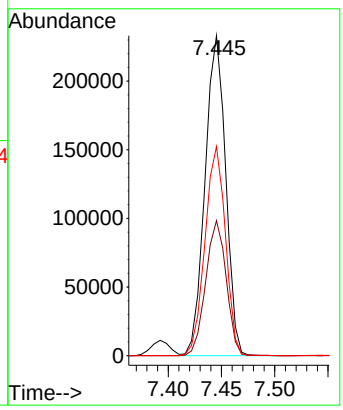


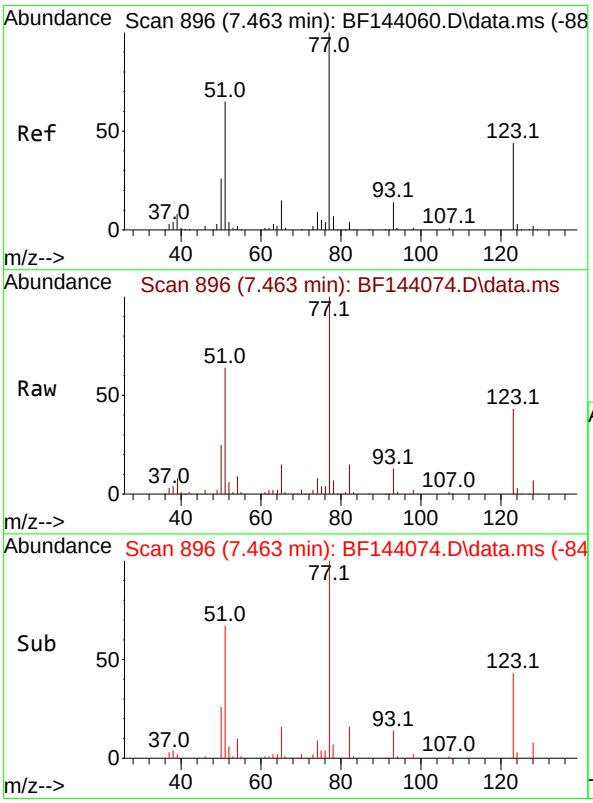
#23
Nitrobenzene-d5
Concen: 84.277 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 314127

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.4	48.6
54	65.3	54.0	81.0

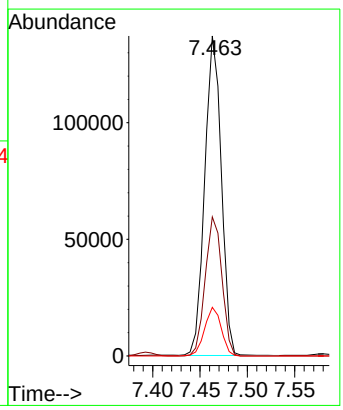


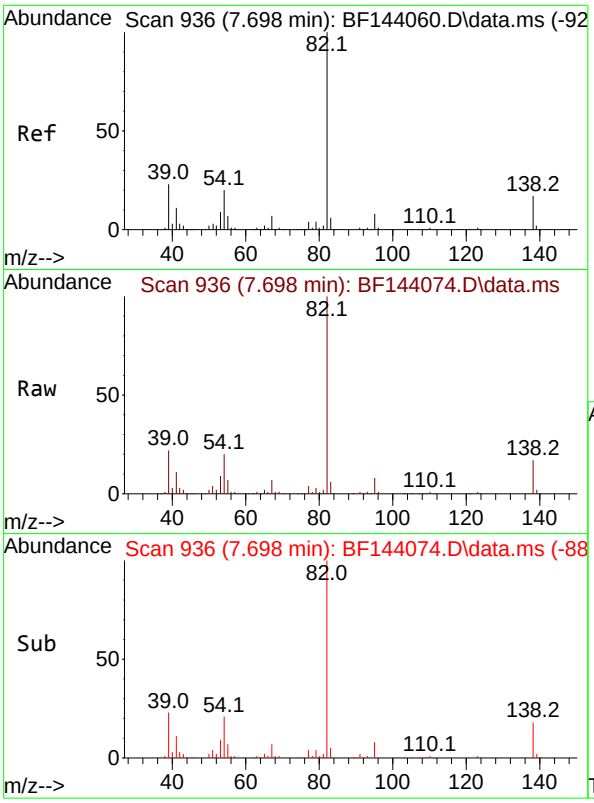


#24
Nitrobenzene
Concen: 42.153 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 77 Resp: 166205

Ion	Ratio	Lower	Upper
77	100		
123	43.4	35.0	52.6
65	15.2	12.2	18.2



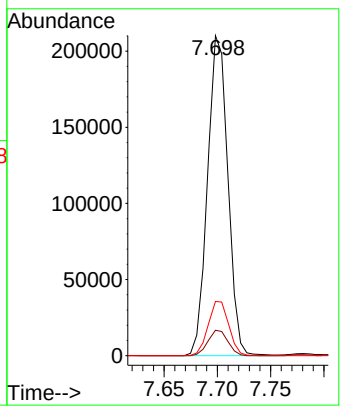


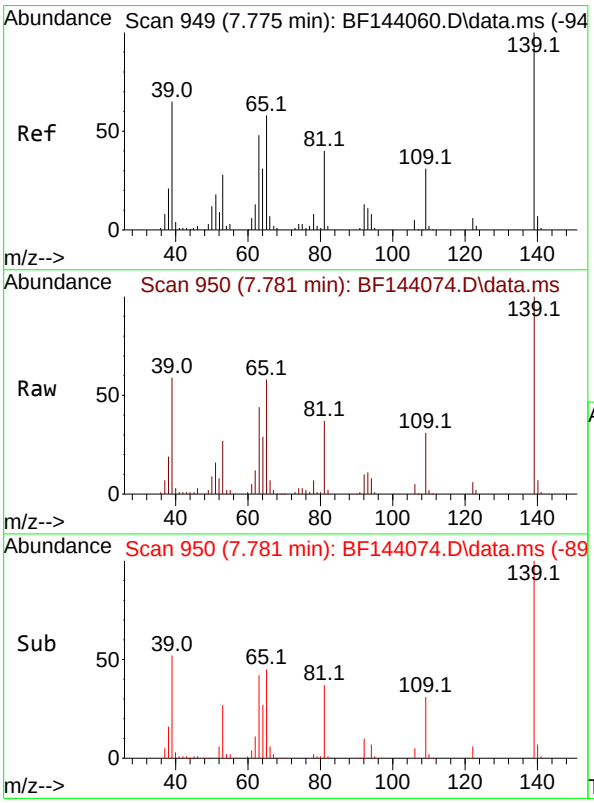
#25
Isophorone
Concen: 42.811 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 278979

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.6	9.8
138	16.9	13.8	20.8

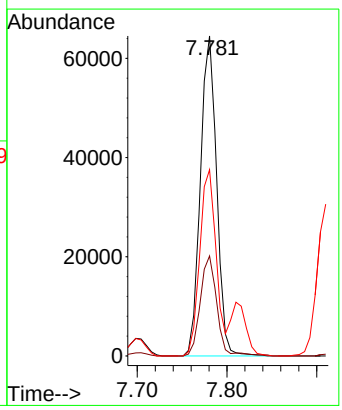


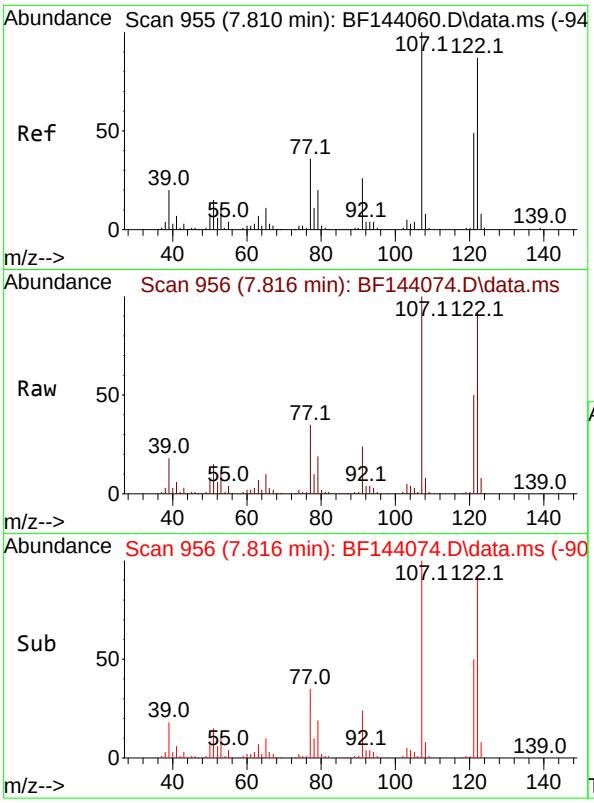


#26
2-Nitrophenol
Concen: 43.268 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:139 Resp: 81158

Ion	Ratio	Lower	Upper
139	100		
109	31.2	24.6	37.0
65	58.2	46.6	69.8



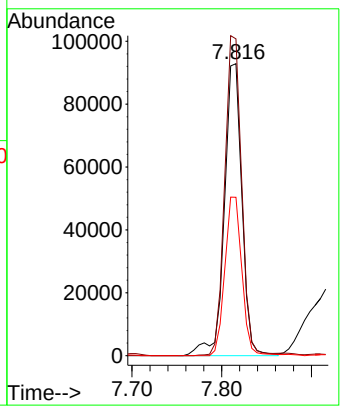


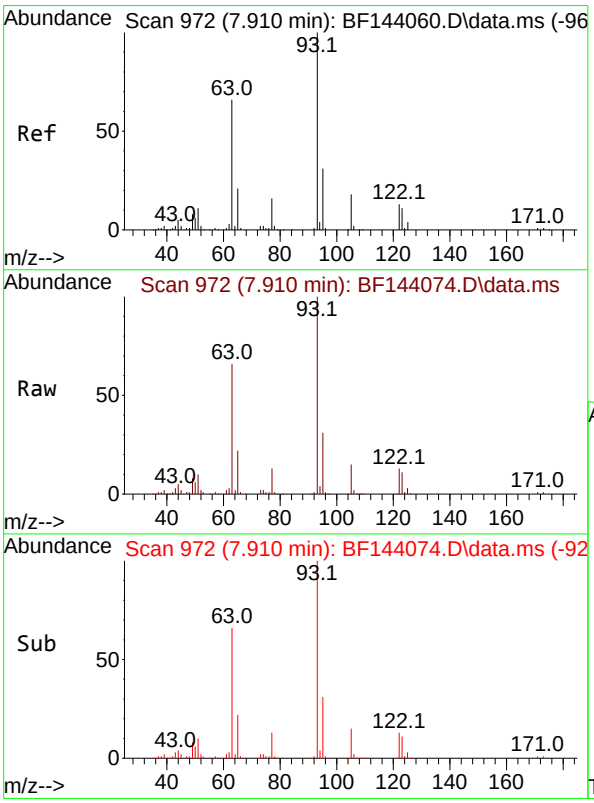
#27
2,4-Dimethylphenol
Concen: 45.340 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 126382

Ion	Ratio	Lower	Upper
122	100		
107	108.5	91.8	137.8
121	54.2	45.2	67.8

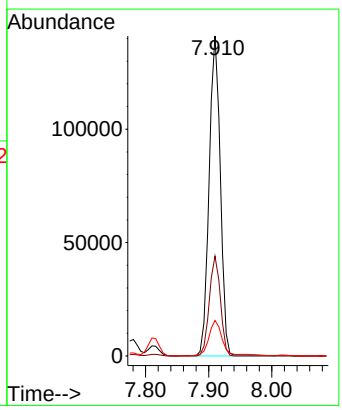


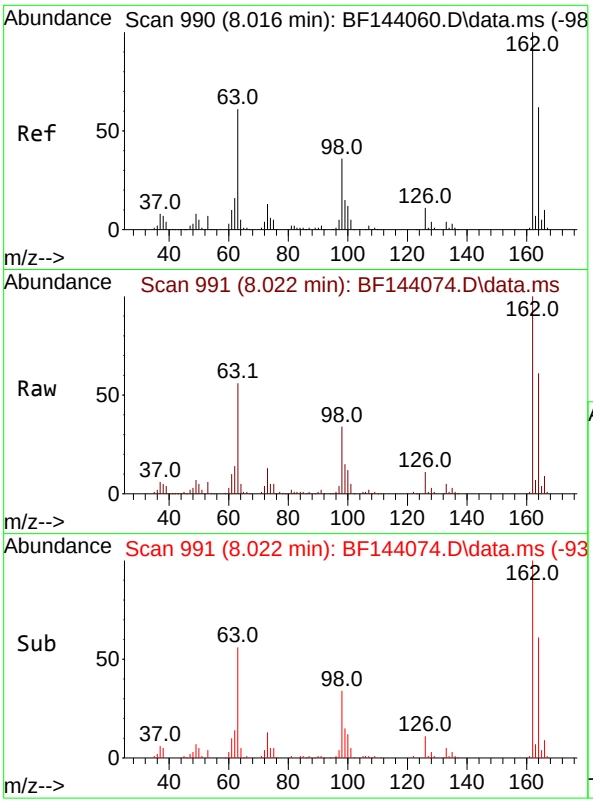


#28
bis(2-Chloroethoxy)methane
Concen: 42.723 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 93 Resp: 173620

Ion	Ratio	Lower	Upper
93	100		
95	31.2	24.6	36.8
123	11.1	9.1	13.7



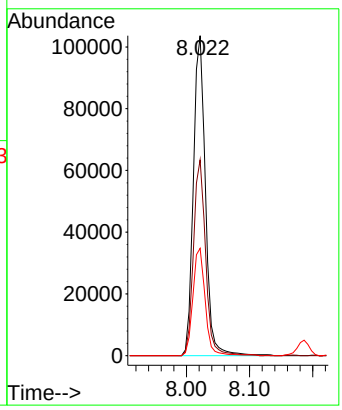


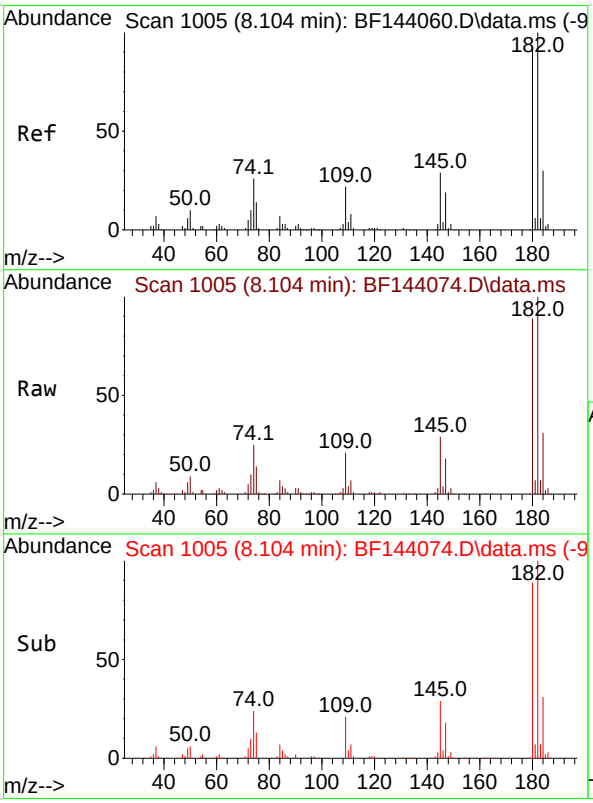
#29
2,4-Dichlorophenol
Concen: 42.393 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 137420

Ion	Ratio	Lower	Upper
162	100		
164	61.2	42.1	82.1
98	33.5	16.0	56.0

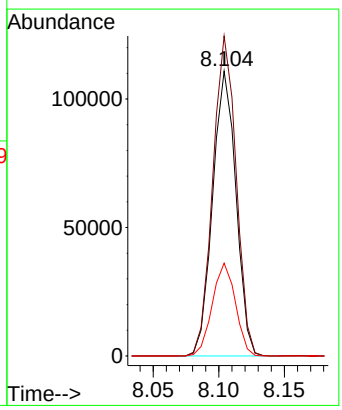


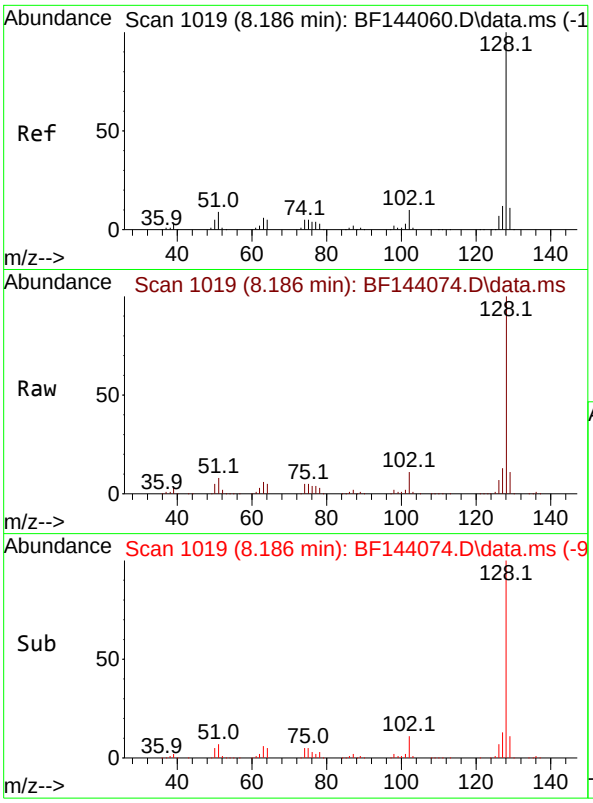


#30
1,2,4-Trichlorobenzene
Concen: 41.079 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:180 Resp: 136990

Ion	Ratio	Lower	Upper
180	100		
182	112.3	87.1	130.7
145	32.6	25.3	37.9



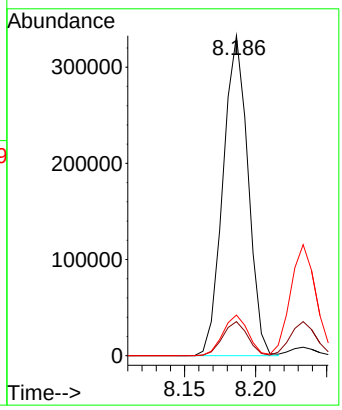


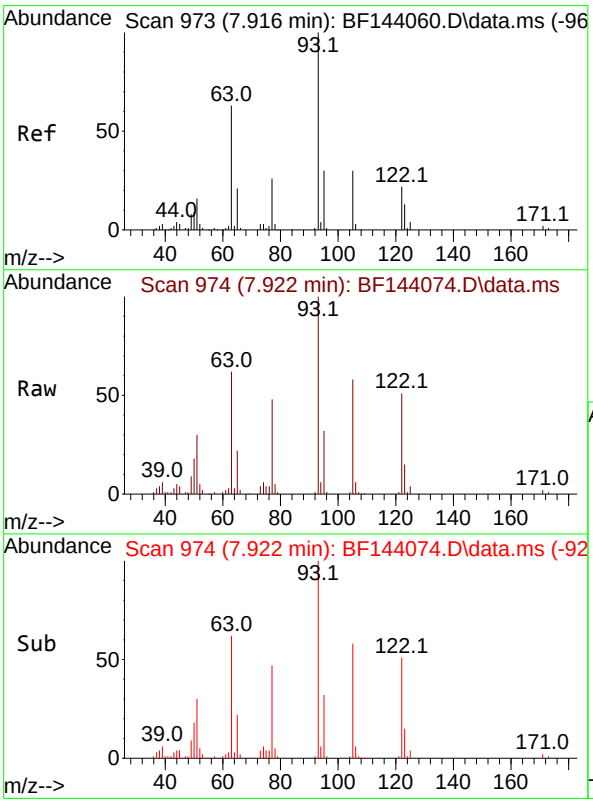
#31
Naphthalene
Concen: 42.271 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 407407

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.4	12.6
127	12.7	9.9	14.9

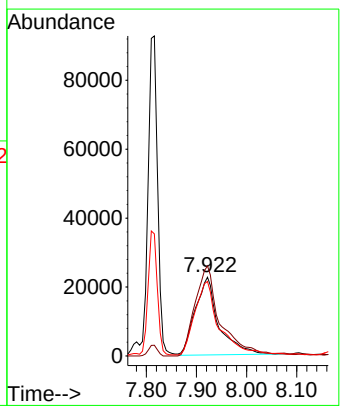


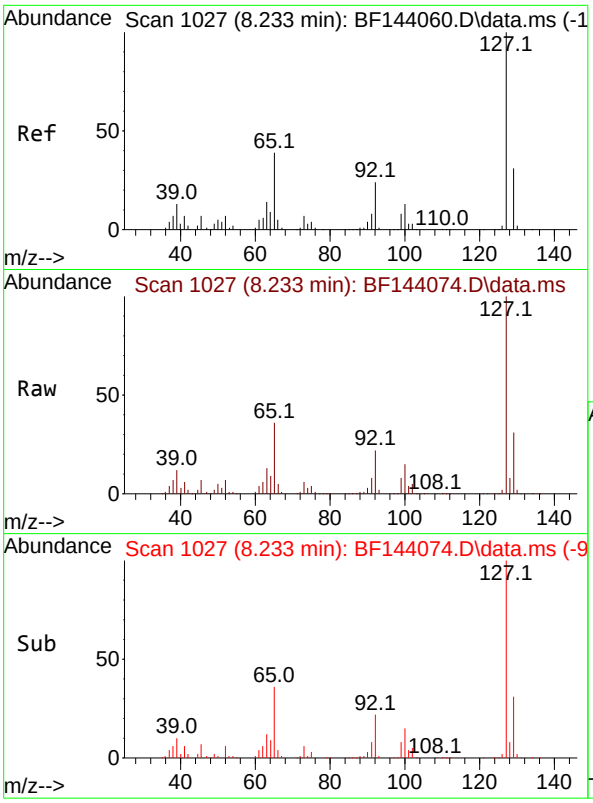


#32
Benzoic acid
Concen: 41.781 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:122 Resp: 73873

Ion	Ratio	Lower	Upper
122	100		
105	114.4	111.3	151.3
77	94.7	96.7	136.7#



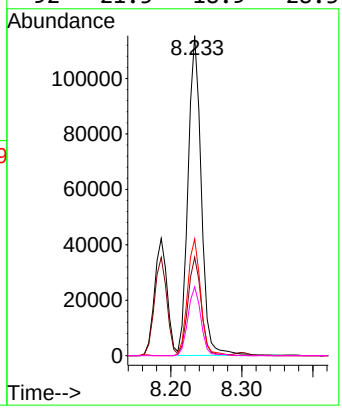


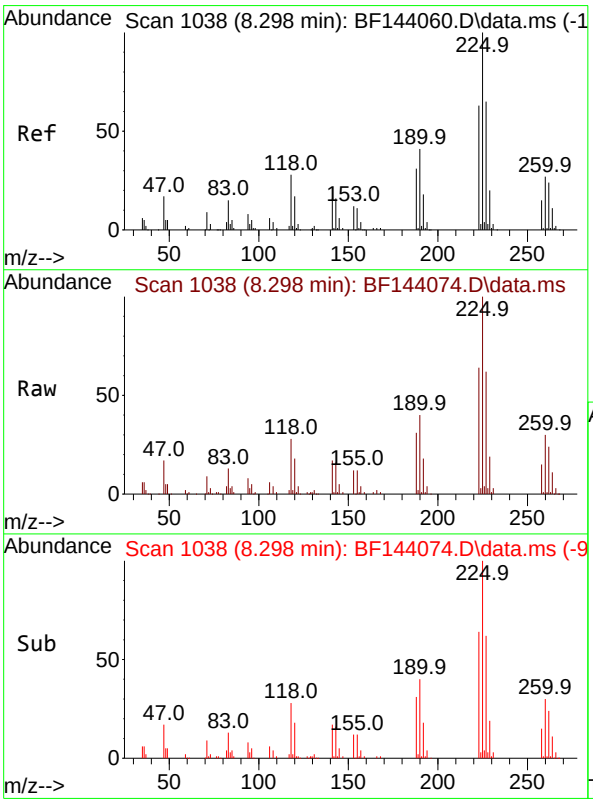
#33
4-Chloroaniline
Concen: 44.158 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 148161

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.6	38.4
65	36.5	30.9	46.3
92	21.5	18.9	28.3

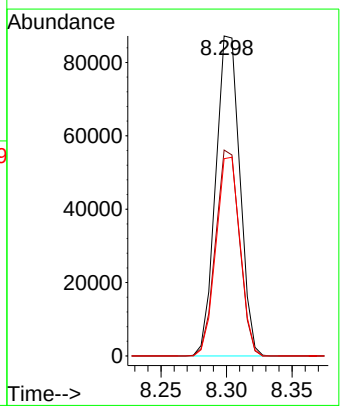


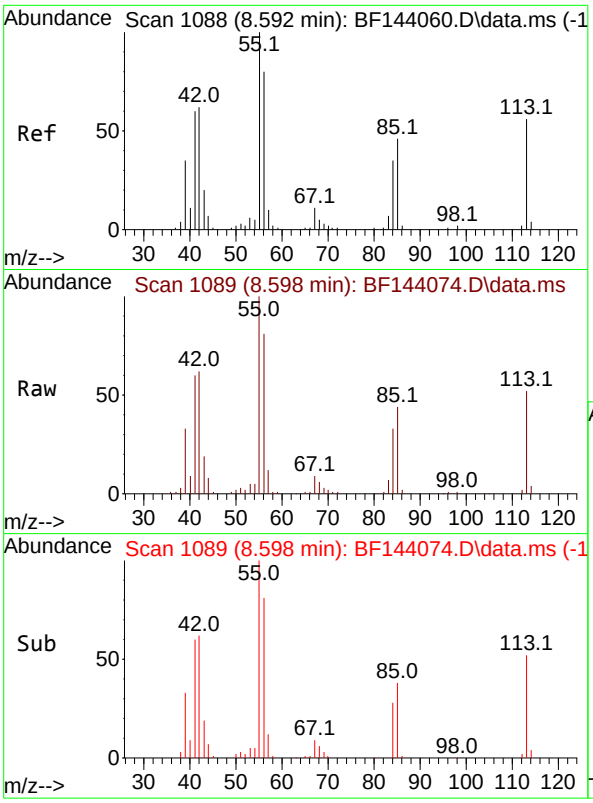


#34
Hexachlorobutadiene
Concen: 40.877 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:225 Resp: 111465

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.6	76.0
227	61.7	51.8	77.8



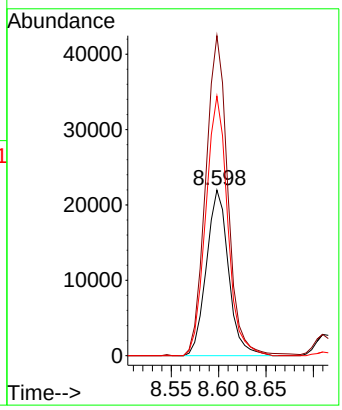


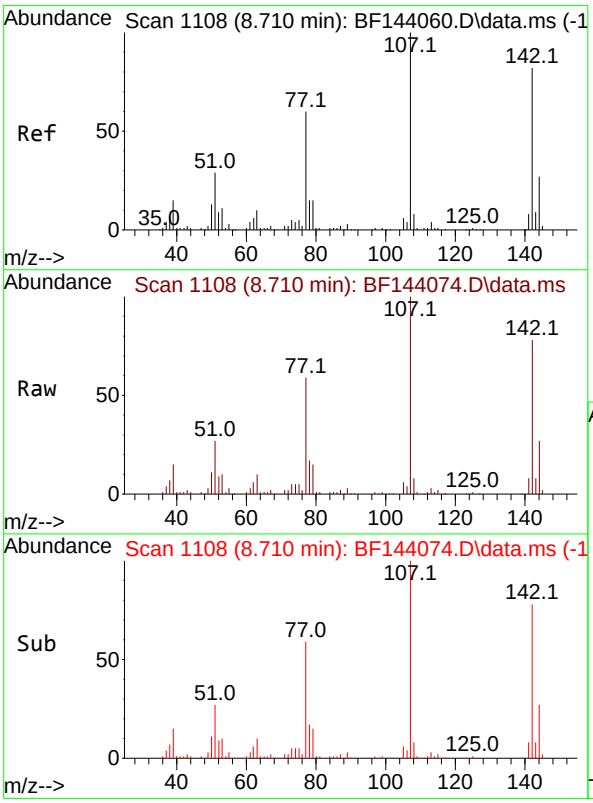
#35
Caprolactam
Concen: 43.869 ng
RT: 8.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 35660

Ion	Ratio	Lower	Upper
113	100		
55	193.2	160.1	200.1
56	156.7	124.9	164.9

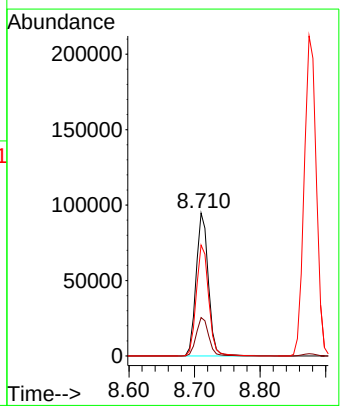


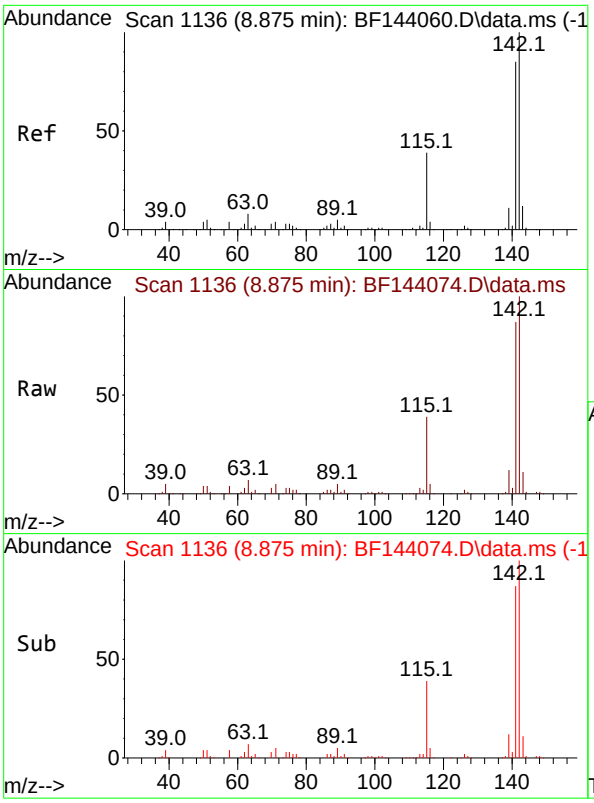


#36
4-Chloro-3-methylphenol
Concen: 43.150 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:107 Resp: 123434

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.6	32.4
142	77.5	65.4	98.0



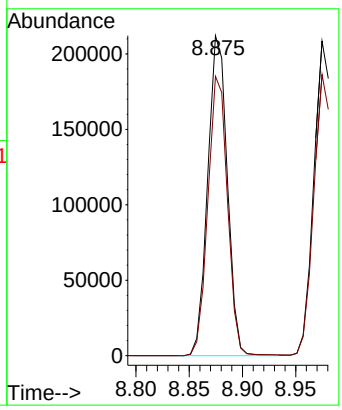


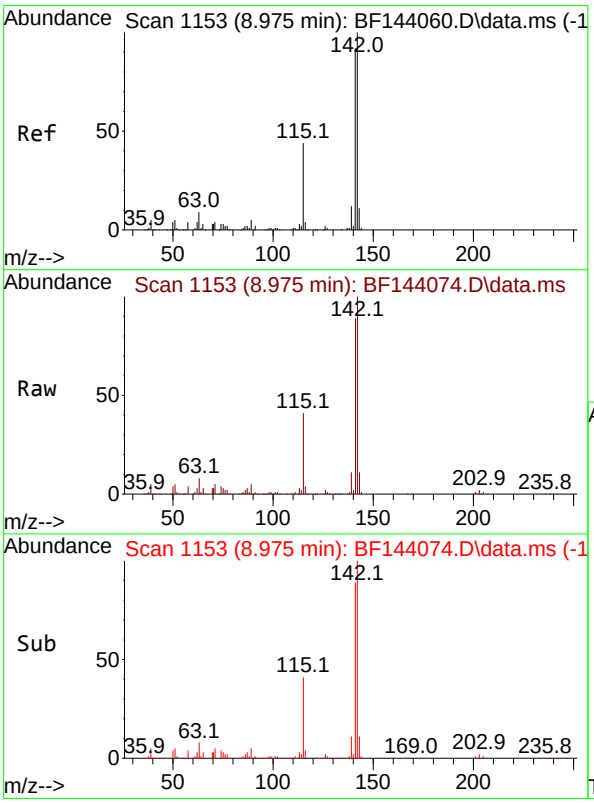
#37
2-Methylnaphthalene
Concen: 42.699 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 271332

Ion	Ratio	Lower	Upper
142	100		
141	87.3	67.6	101.4

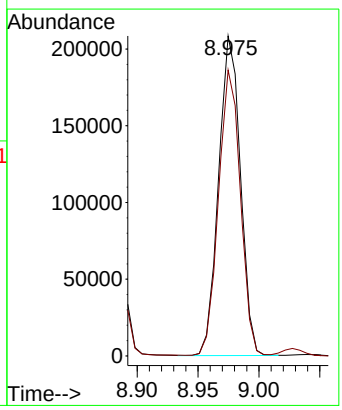


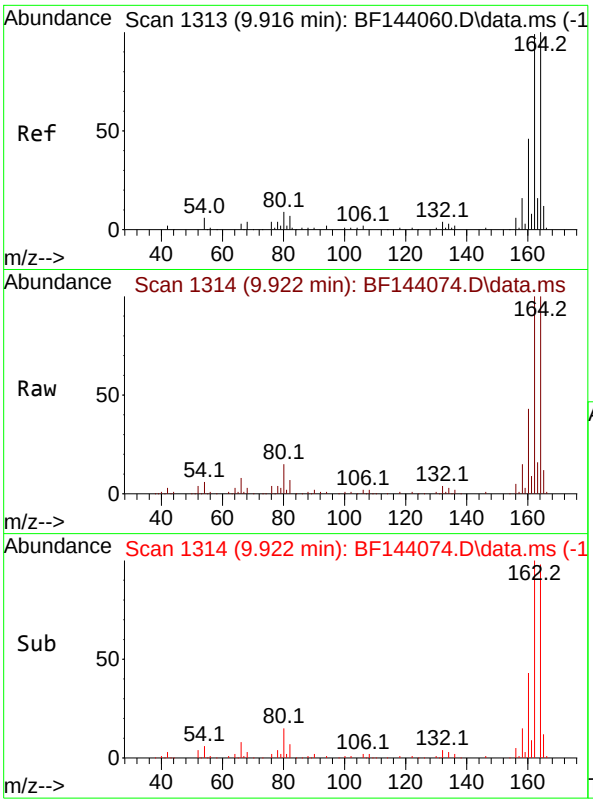


#38
1-Methylnaphthalene
Concen: 43.152 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:142 Resp: 259791

Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.4	110.2



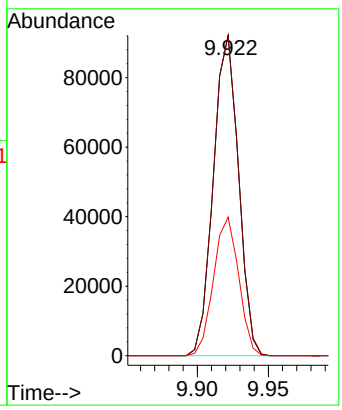


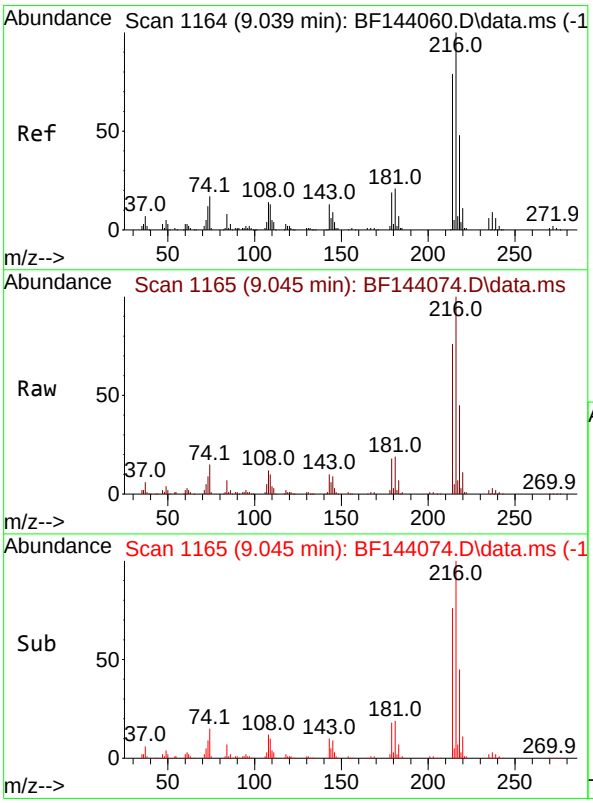
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 113226

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.2
160	43.3	36.7	55.1

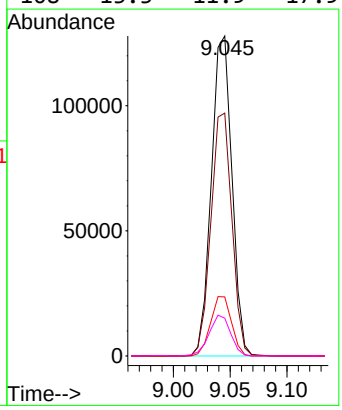


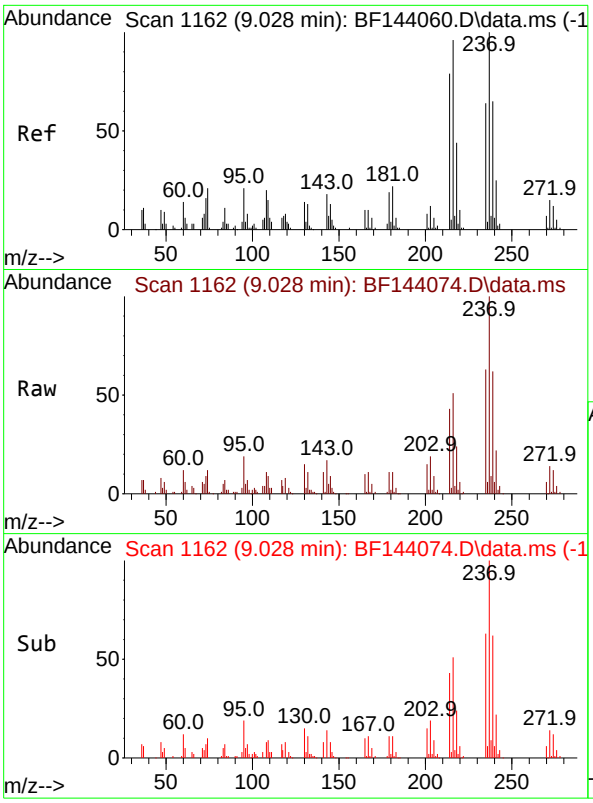


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.440 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:216 Resp: 161259

Ion	Ratio	Lower	Upper
216	100		
214	77.5	63.2	94.8
179	18.8	15.2	22.8
108	13.3	11.9	17.9



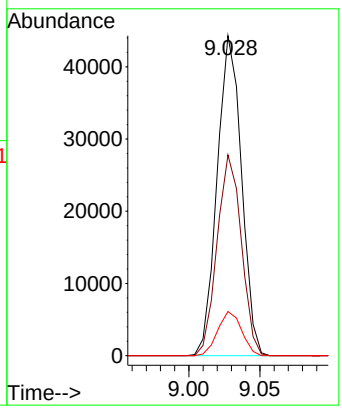


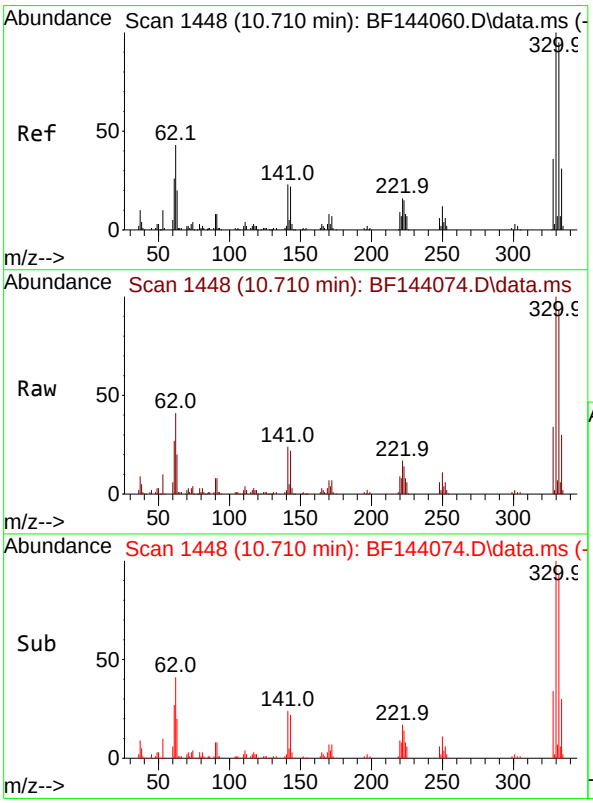
#41
Hexachlorocyclopentadiene
Concen: 43.878 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 52737

Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.3	84.3
272	13.8	0.0	35.2

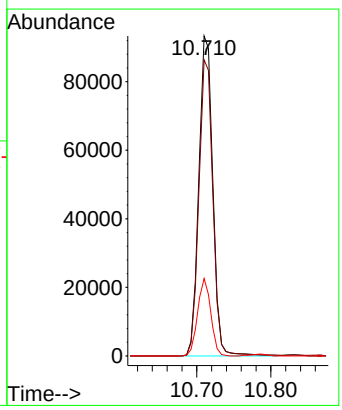


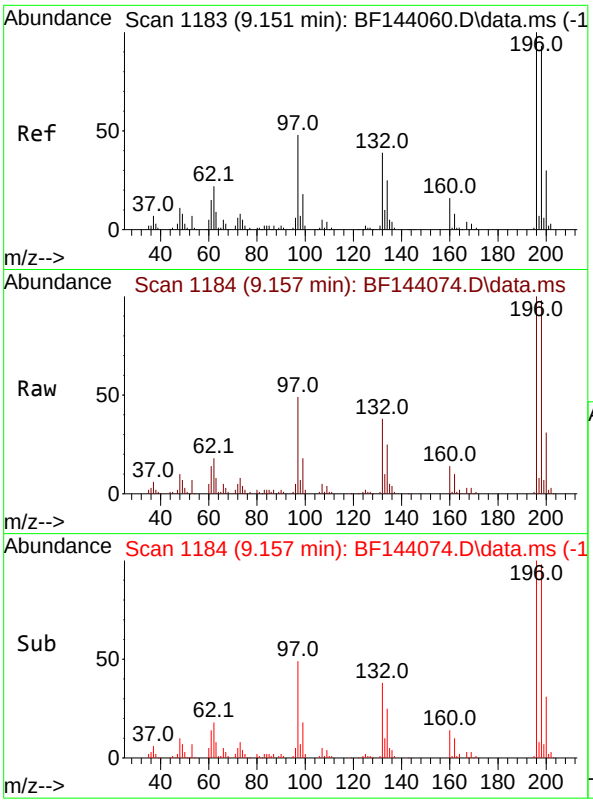


#42
2,4,6-Tribromophenol
Concen: 84.893 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:330 Resp: 122439

Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.0	115.6
141	22.7	19.4	29.0



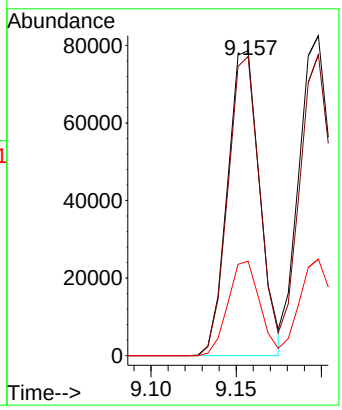


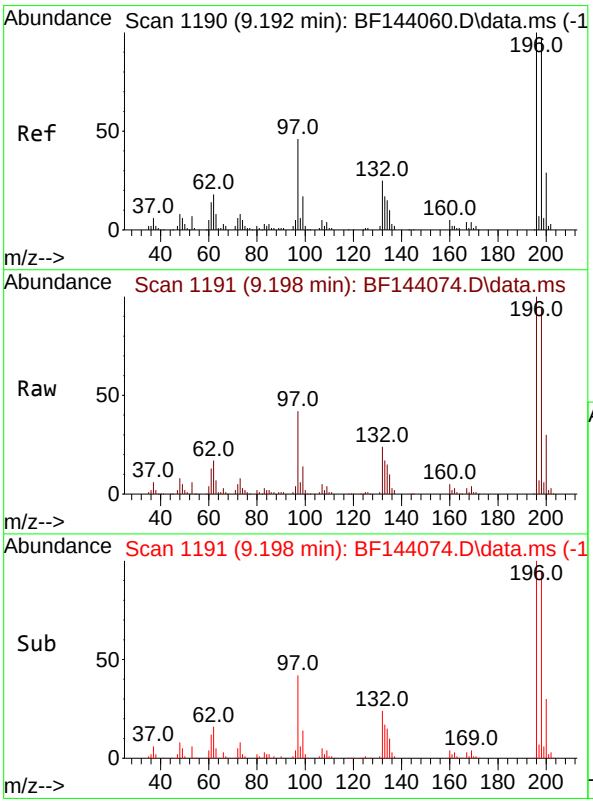
#43
2,4,6-Trichlorophenol
Concen: 40.949 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 103575

Ion	Ratio	Lower	Upper
196	100		
198	98.0	74.4	111.6
200	31.0	23.8	35.8

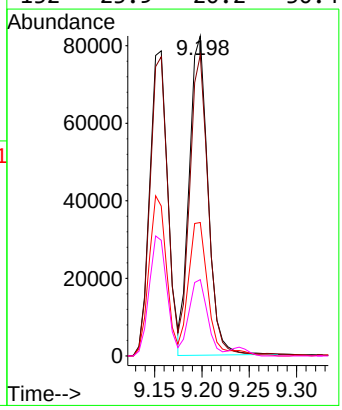


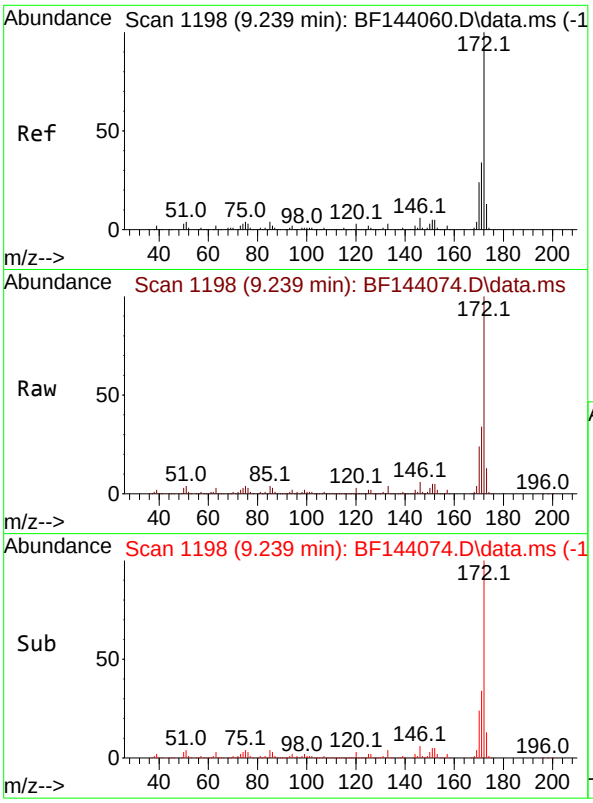


#44
2,4,5-Trichlorophenol
Concen: 42.599 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:196 Resp: 113082

Ion	Ratio	Lower	Upper
196	100		
198	94.1	78.0	117.0
97	41.7	37.7	56.5
132	23.9	20.2	30.4



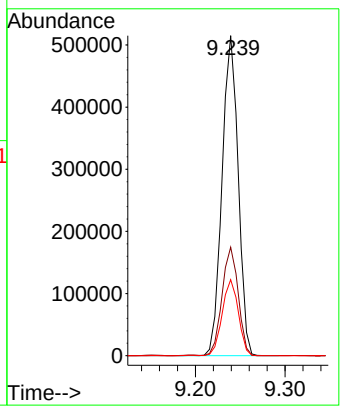


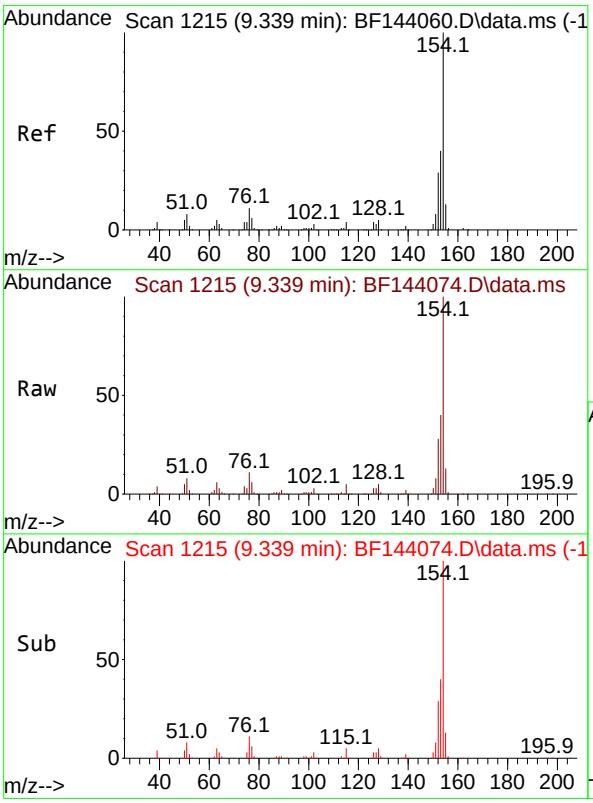
#45
2-Fluorobiphenyl
Concen: 79.903 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 642905

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.5	41.3
170	23.8	19.0	28.6

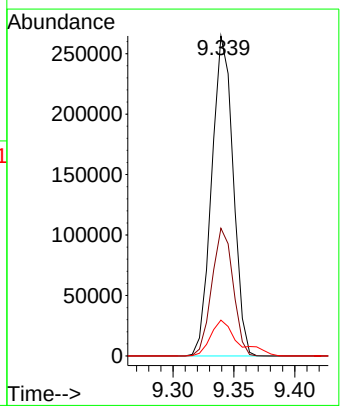


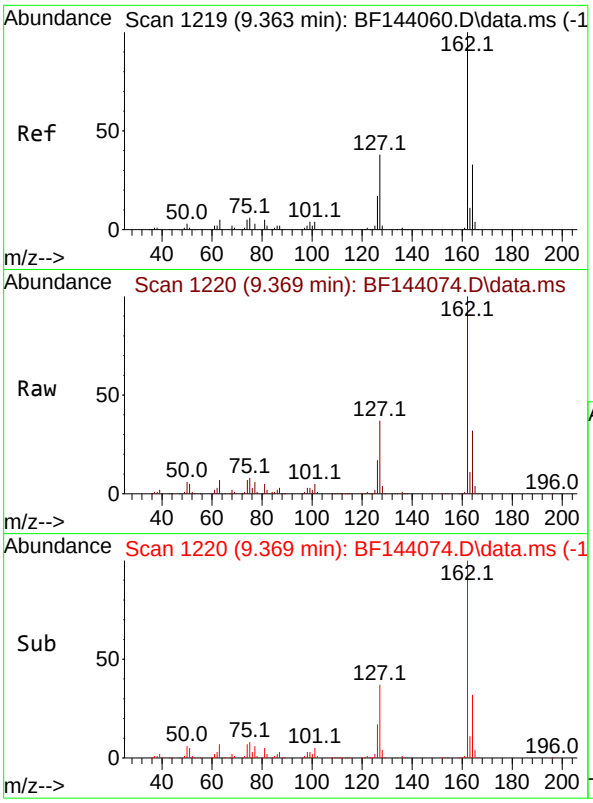


#46
1,1'-Biphenyl
Concen: 40.027 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:154 Resp: 324424

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.7	59.7
76	11.2	0.0	31.1



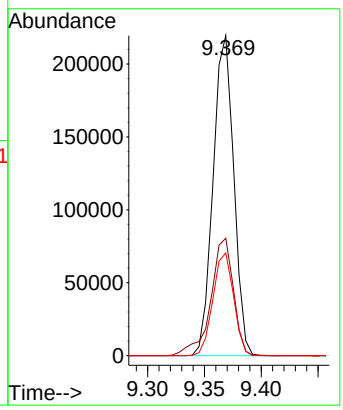


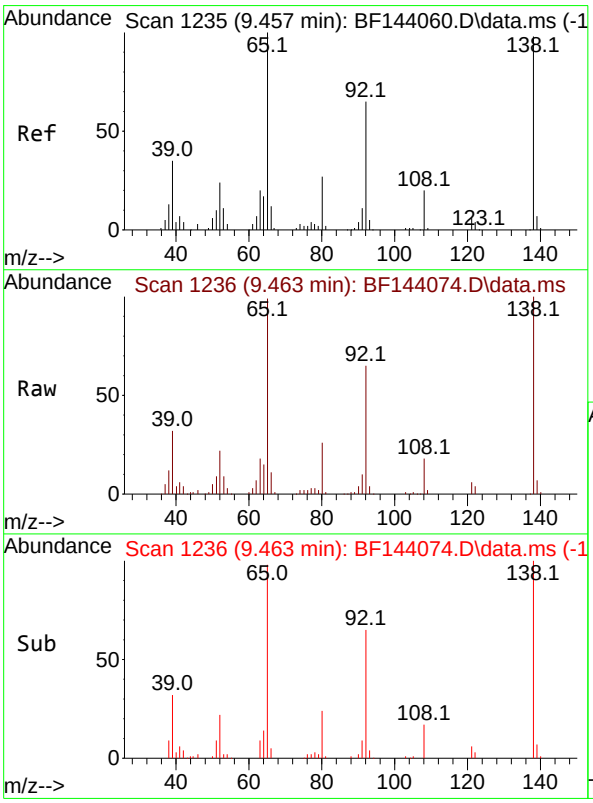
#47
2-Chloronaphthalene
Concen: 40.869 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 277516

Ion	Ratio	Lower	Upper
162	100		
127	36.7	31.6	47.4
164	32.1	26.5	39.7

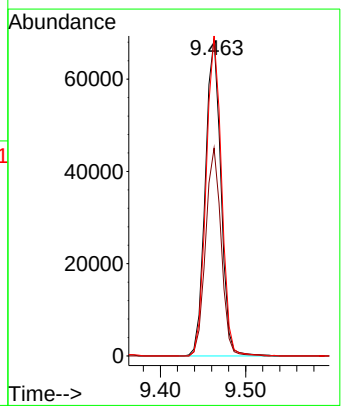


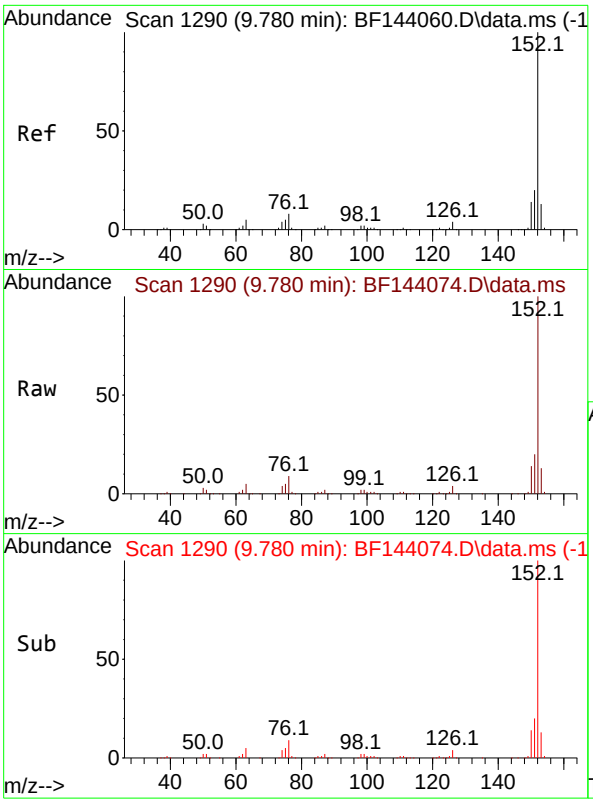


#48
2-Nitroaniline
Concen: 43.173 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion: 65 Resp: 87054

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.3	78.5
138	100.8	78.3	117.5



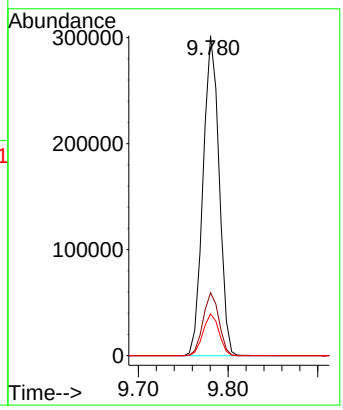


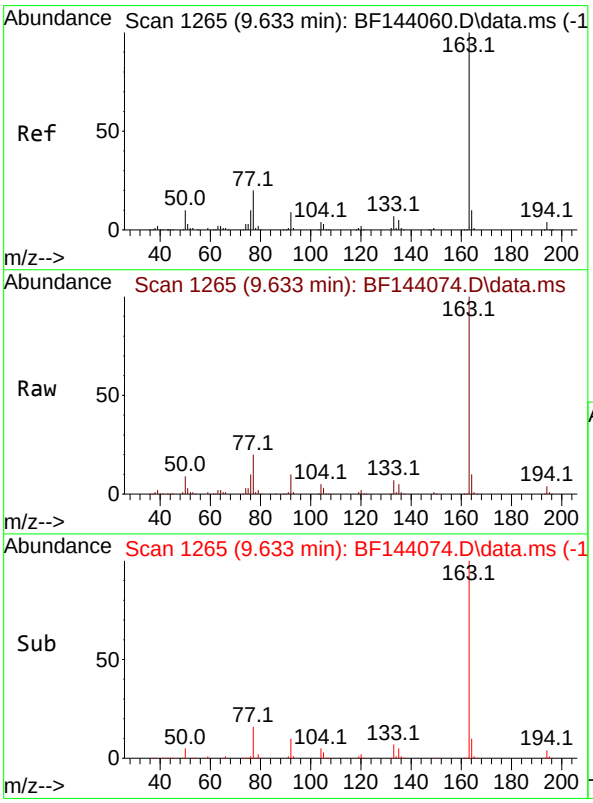
#49
Acenaphthylene
Concen: 40.908 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 374544

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.4	15.6

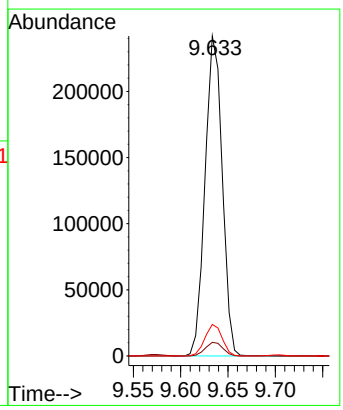


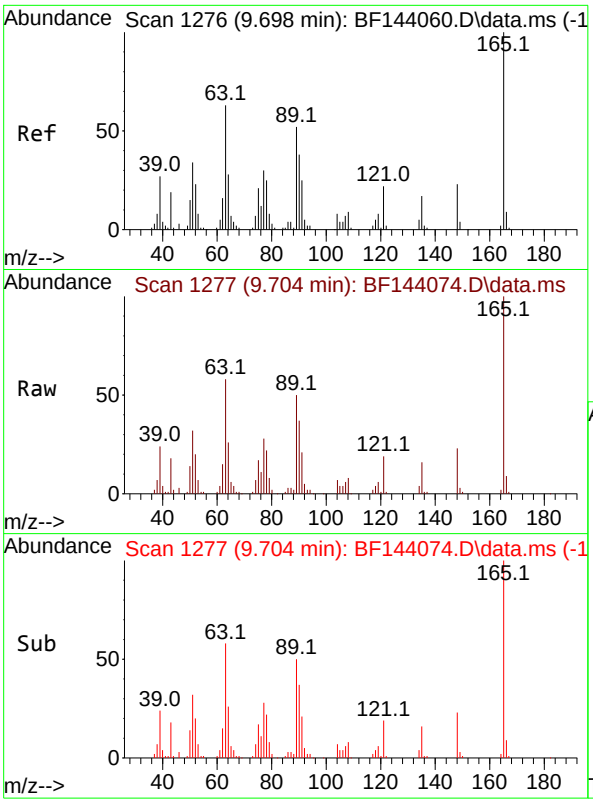


#50
Dimethylphthalate
Concen: 41.020 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:163 Resp: 304442

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.9	7.8	11.8



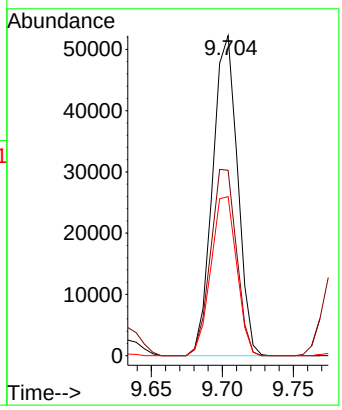


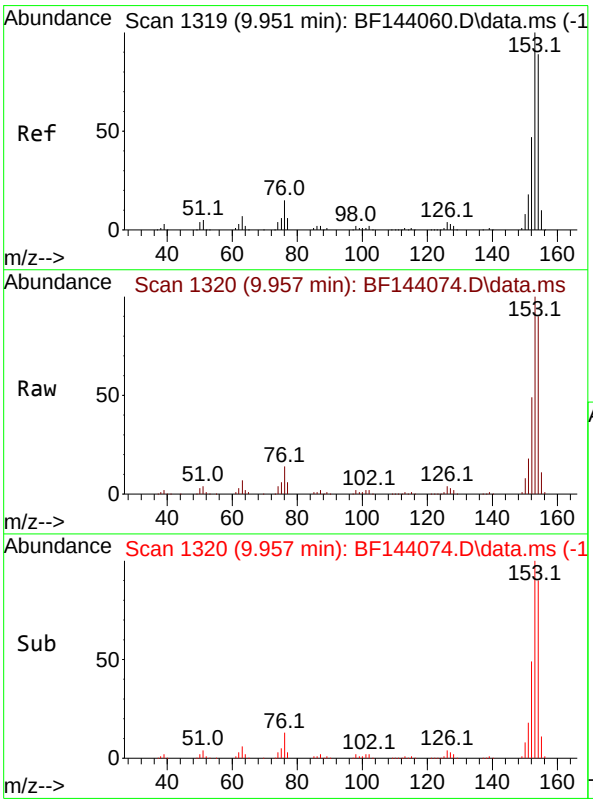
#51
2,6-Dinitrotoluene
Concen: 43.531 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 63869

Ion	Ratio	Lower	Upper
165	100		
63	58.0	50.4	75.6
89	49.7	41.4	62.2

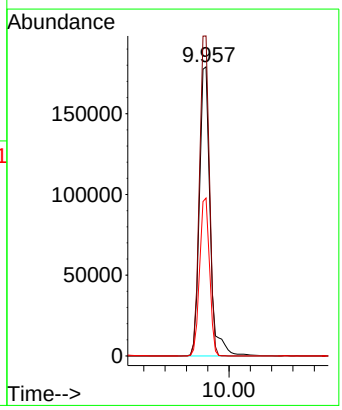


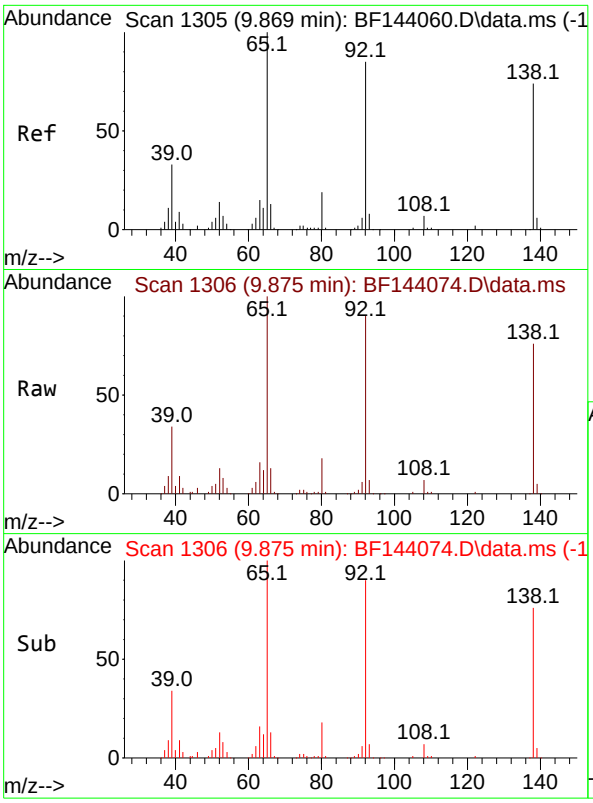


#52
Acenaphthene
Concen: 40.938 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:154 Resp: 250322

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.9	134.9
152	54.6	42.0	63.0



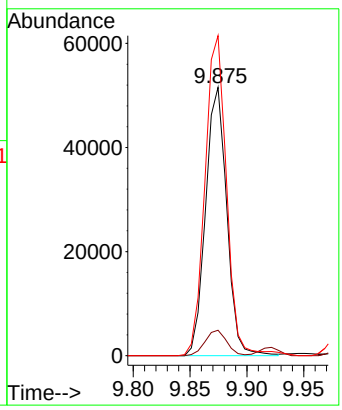


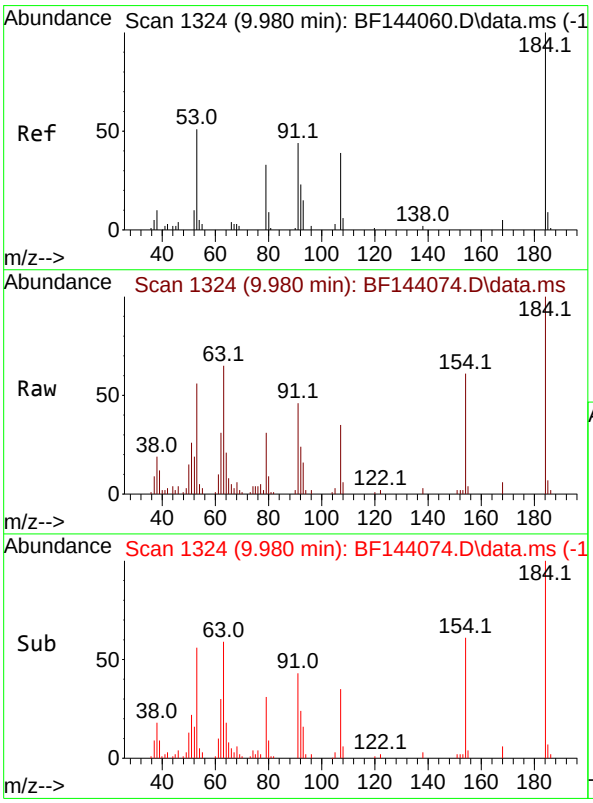
#53
3-Nitroaniline
Concen: 41.061 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 66981

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.9	11.9
92	119.3	92.0	138.0

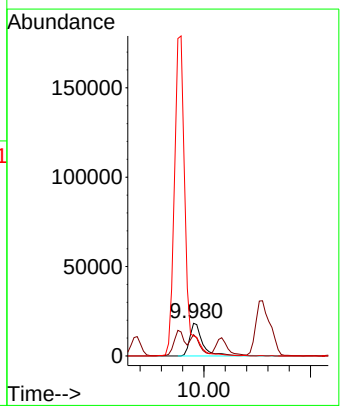


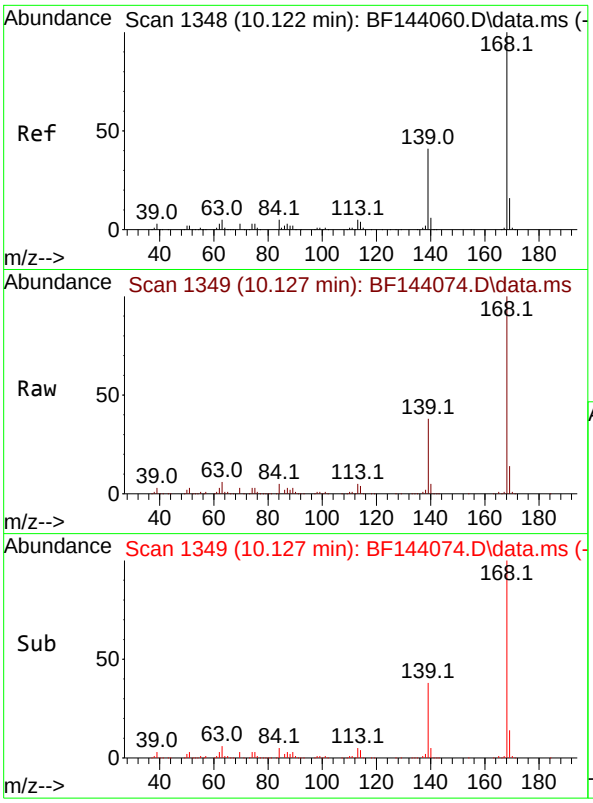


#54
2,4-Dinitrophenol
Concen: 38.960 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:184 Resp: 30917

Ion	Ratio	Lower	Upper
184	100		
63	65.0	52.1	78.1
154	61.3	47.9	71.9



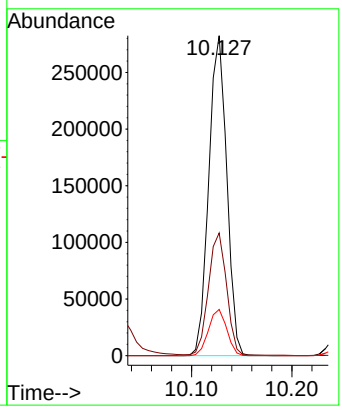


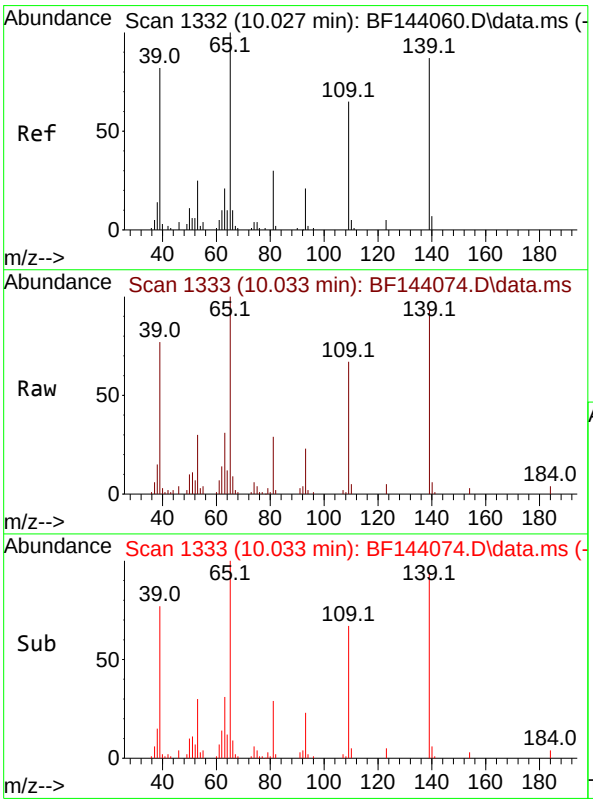
#55
Dibenzofuran
Concen: 41.318 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 350742

Ion	Ratio	Lower	Upper
168	100		
139	38.4	33.2	49.8
169	14.4	12.6	19.0

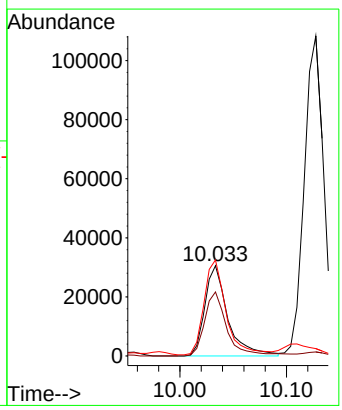


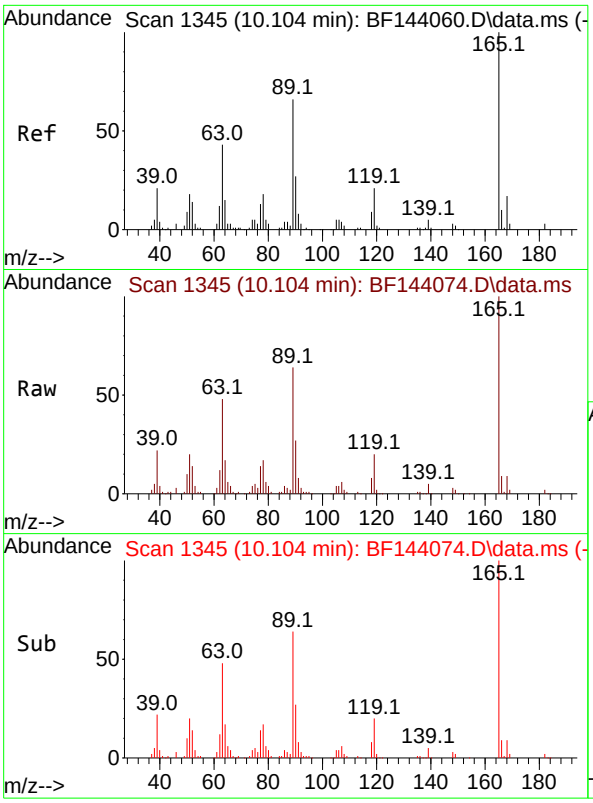


#56
4-Nitrophenol
Concen: 41.527 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:139 Resp: 45872

Ion	Ratio	Lower	Upper
139	100		
109	70.8	53.8	93.8
65	106.4	95.9	135.9



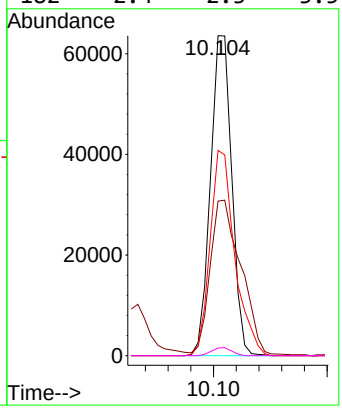


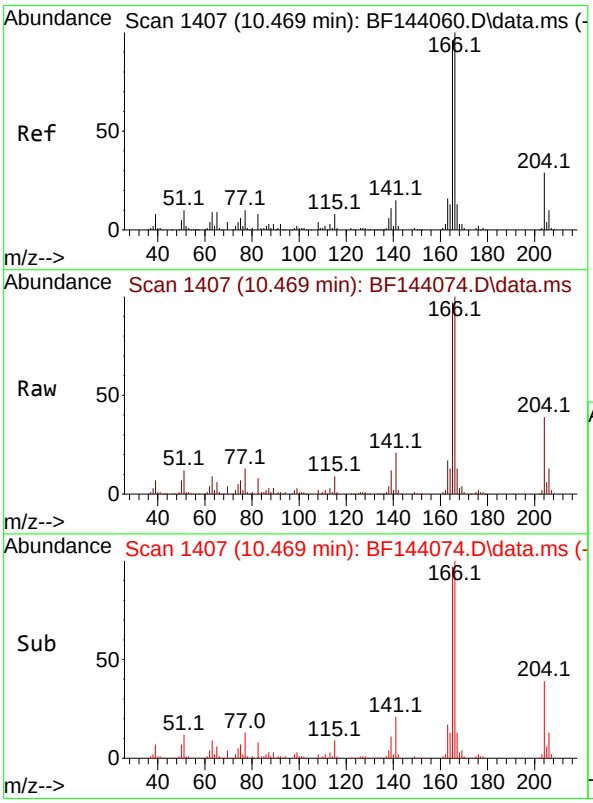
#57
2,4-Dinitrotoluene
Concen: 41.918 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 83007

Ion	Ratio	Lower	Upper
165	100		
63	48.3	35.4	53.2
89	64.2	52.7	79.1
182	2.4	2.3	3.5

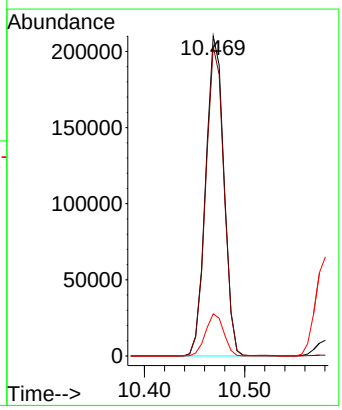


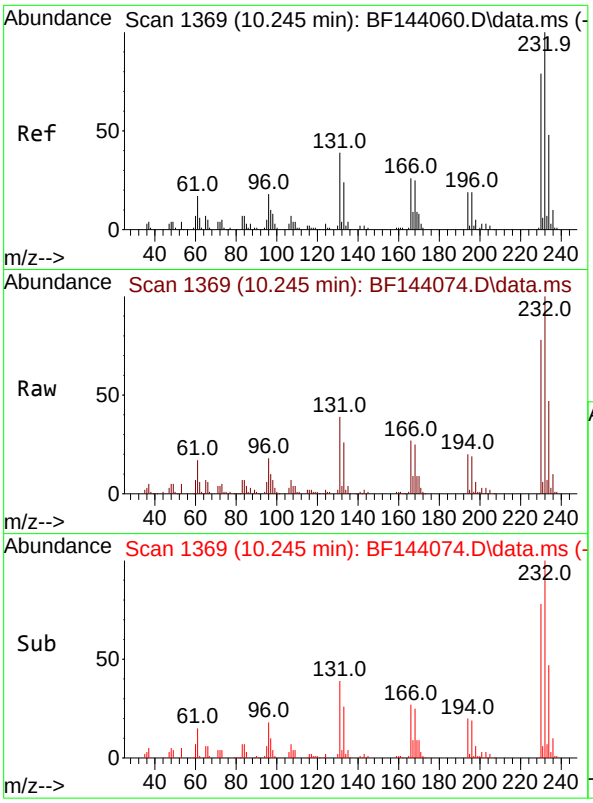


#58
Fluorene
Concen: 40.866 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:166 Resp: 264329

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.0	115.4
167	13.1	10.2	15.4



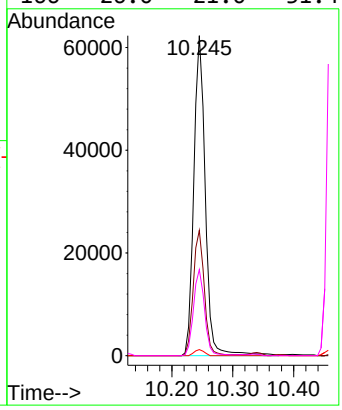


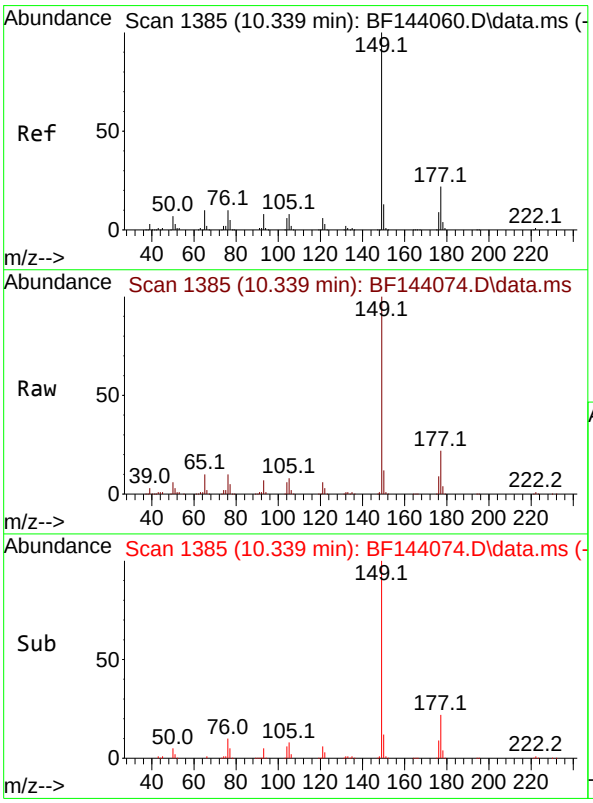
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.817 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 81964

Ion	Ratio	Lower	Upper
232	100		
131	37.7	31.9	47.9
130	1.6	1.1	1.7
166	26.0	21.0	31.4

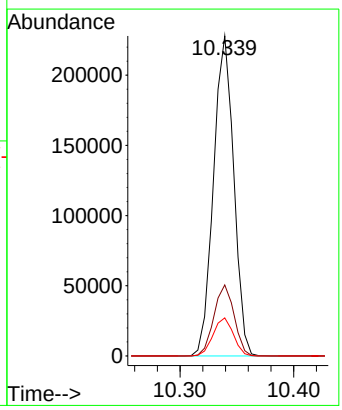


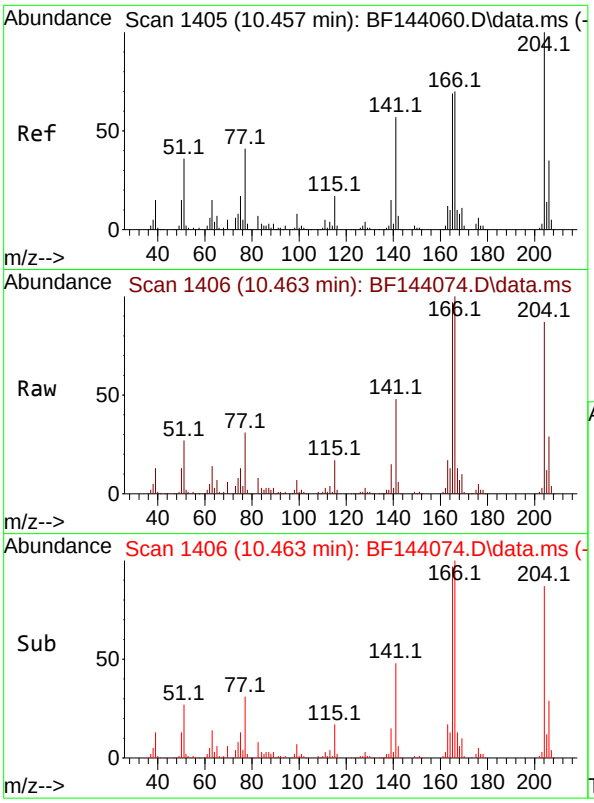


#60
Diethylphthalate
Concen: 40.457 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:149 Resp: 282370

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	11.9	10.1	15.1



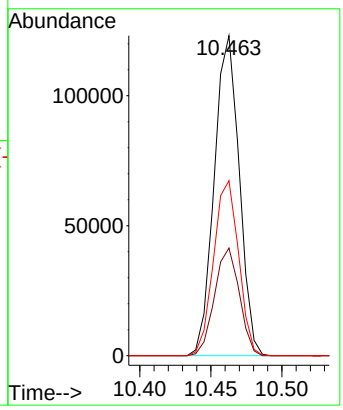


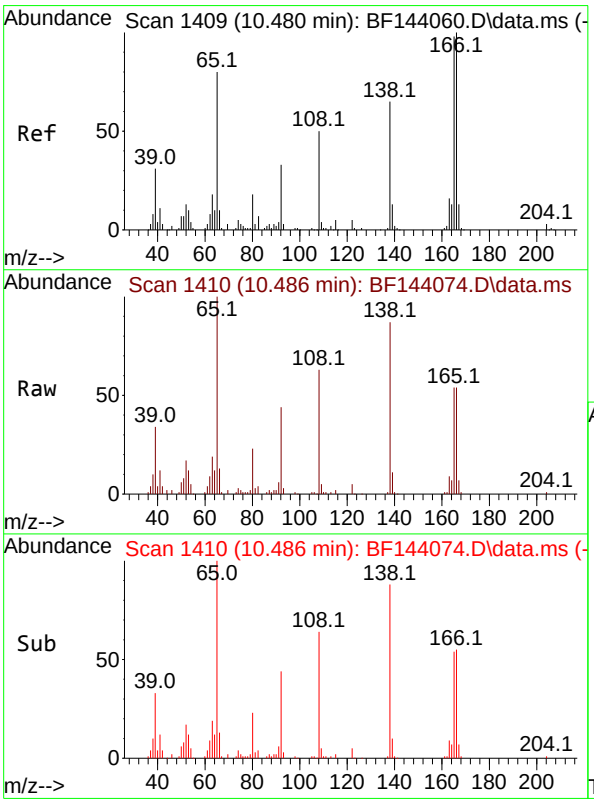
#61
4-Chlorophenyl-phenylether
Concen: 41.424 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 150675

Ion	Ratio	Lower	Upper
204	100		
206	33.6	27.8	41.6
141	54.7	45.4	68.2

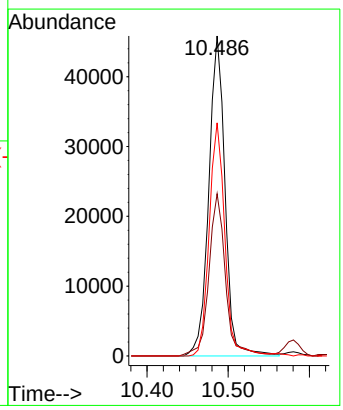


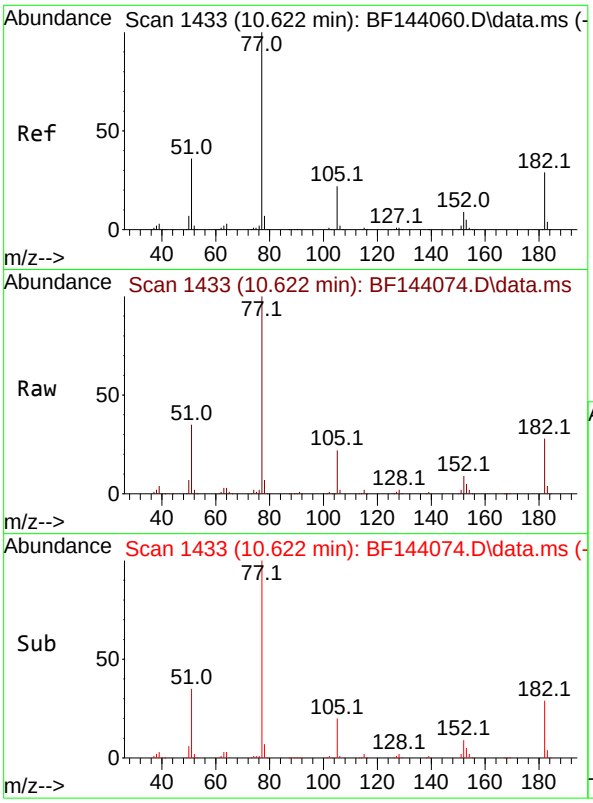


#62
4-Nitroaniline
Concen: 41.182 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:138 Resp: 63652

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.5	70.5
108	72.8	56.2	96.2



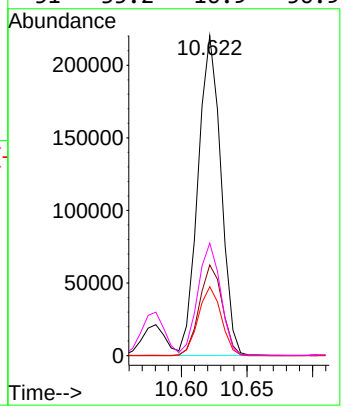


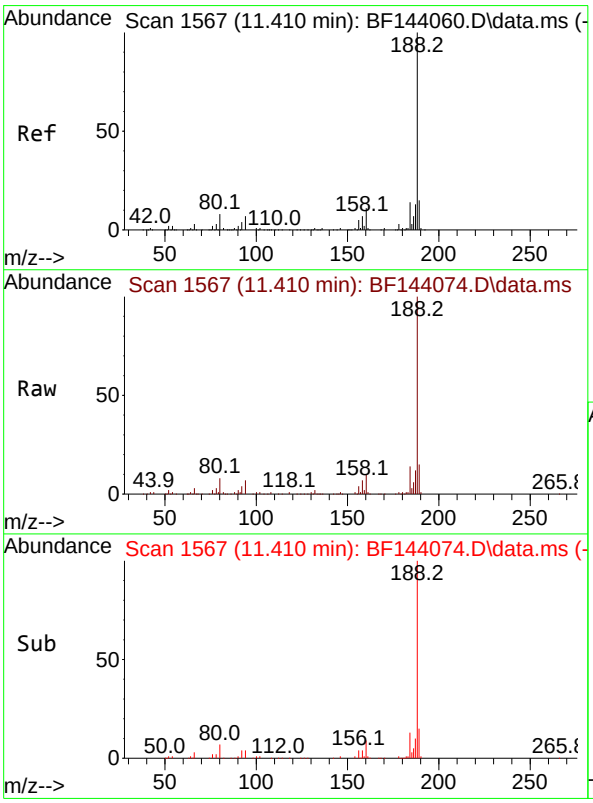
#63
Azobenzene
Concen: 40.465 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 267316

Ion	Ratio	Lower	Upper
77	100		
182	28.3	9.0	49.0
105	21.5	1.4	41.4
51	35.2	16.9	56.9

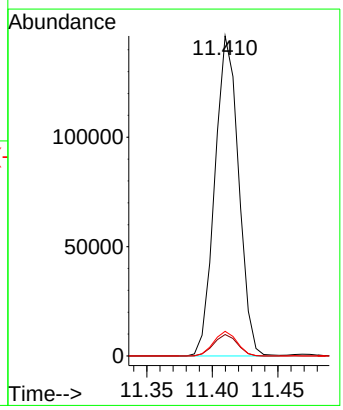


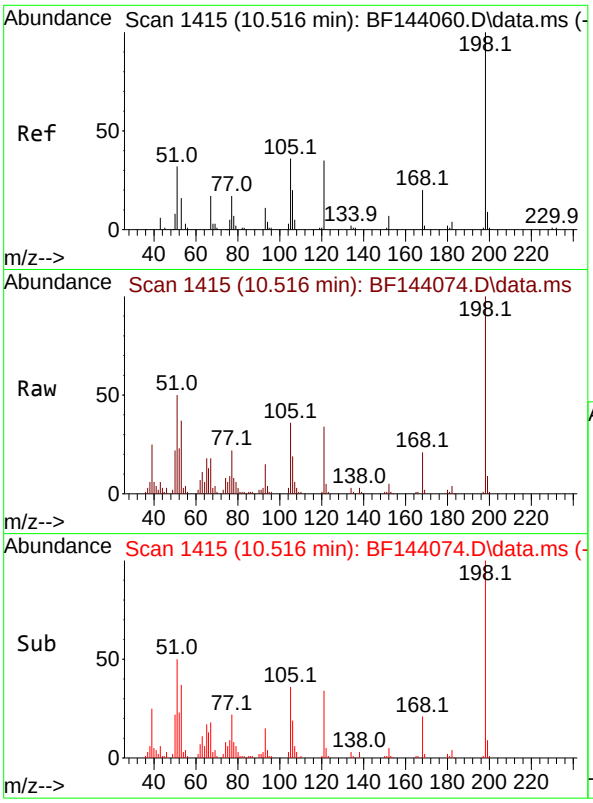


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:188 Resp: 184414

Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.4	8.0
80	7.7	6.0	9.0



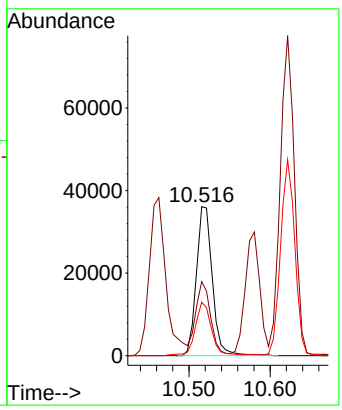


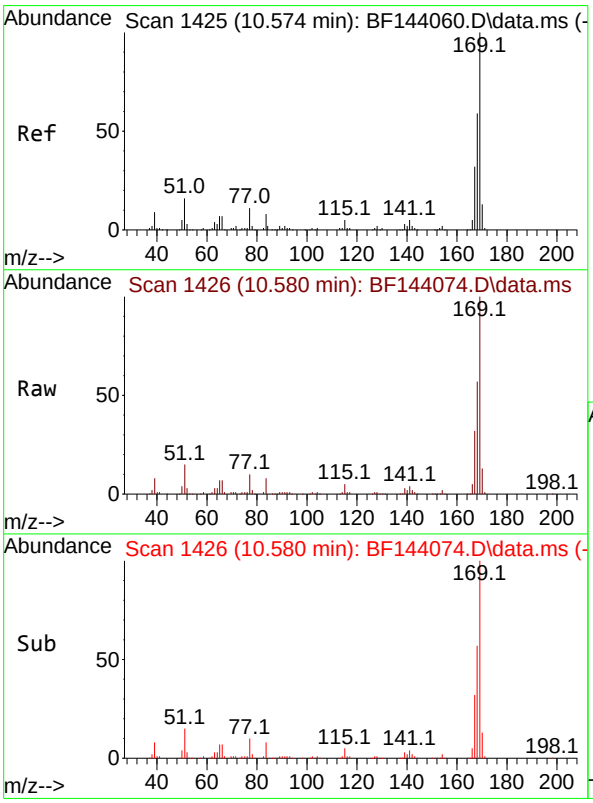
#65
4,6-Dinitro-2-methylphenol
Concen: 41.715 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 49356

Ion	Ratio	Lower	Upper
198	100		
51	49.8	25.8	65.8
105	35.9	17.2	57.2

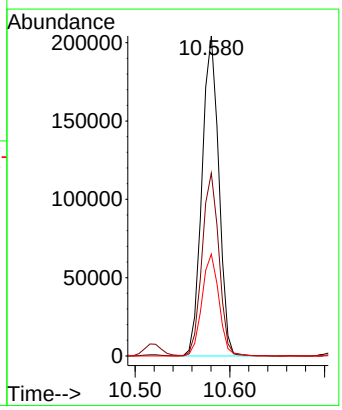


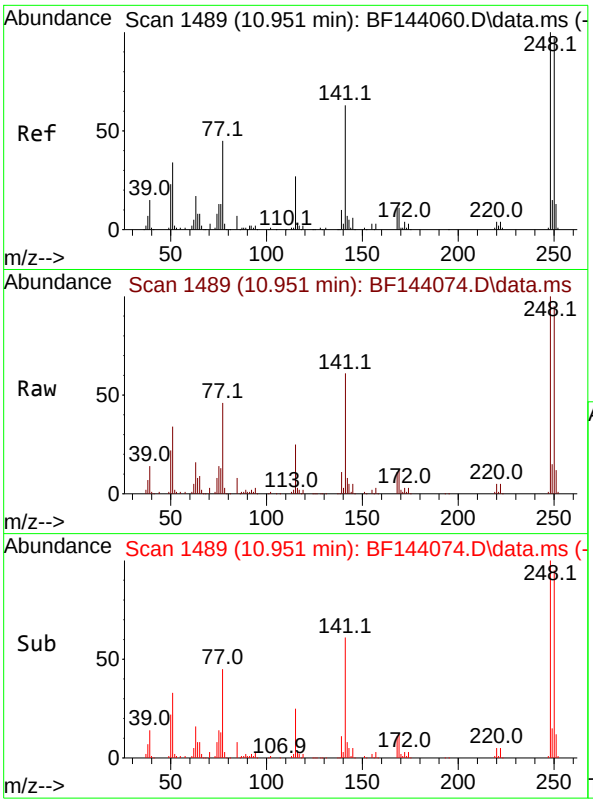


#66
n-Nitrosodiphenylamine
Concen: 42.907 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:169 Resp: 252814

Ion	Ratio	Lower	Upper
169	100		
168	57.2	47.4	71.2
167	31.8	25.5	38.3



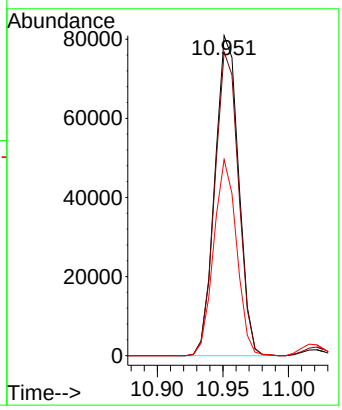


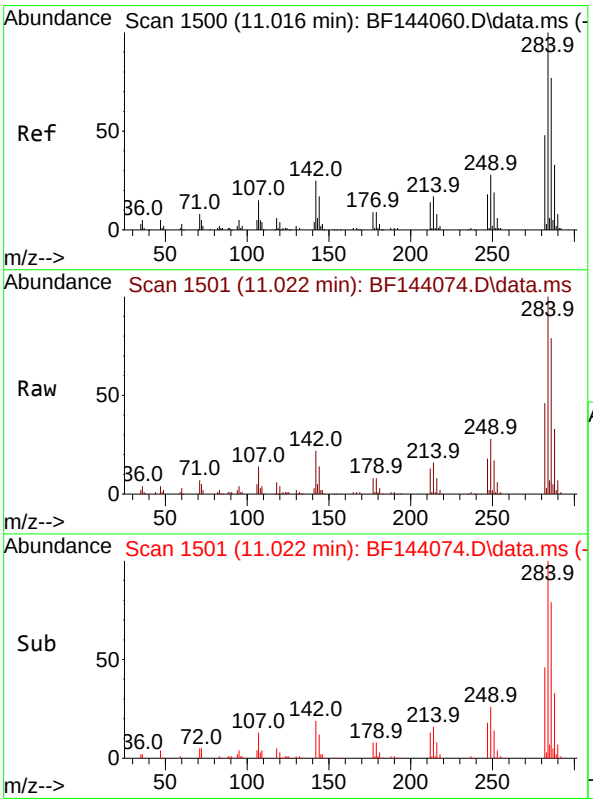
#67
4-Bromophenyl-phenylether
Concen: 43.947 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 101473

Ion	Ratio	Lower	Upper
248	100		
250	94.9	77.8	116.6
141	61.3	50.5	75.7

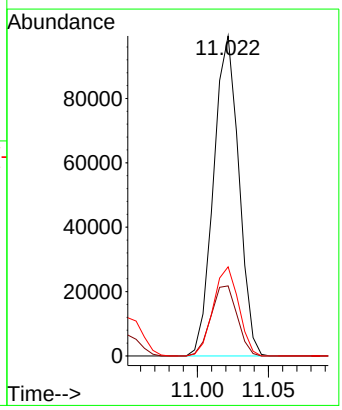


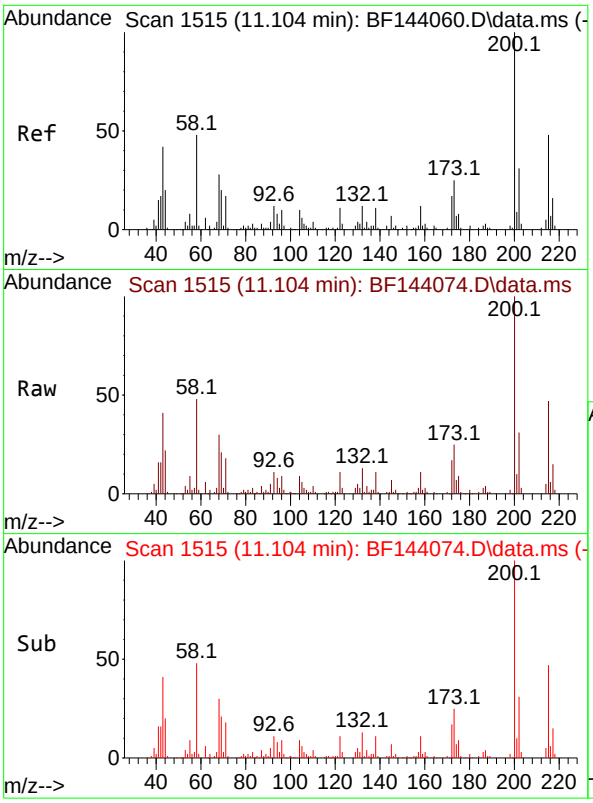


#68
Hexachlorobenzene
Concen: 43.436 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:284 Resp: 123002

Ion	Ratio	Lower	Upper
284	100		
142	21.9	20.0	30.0
249	27.8	22.2	33.2



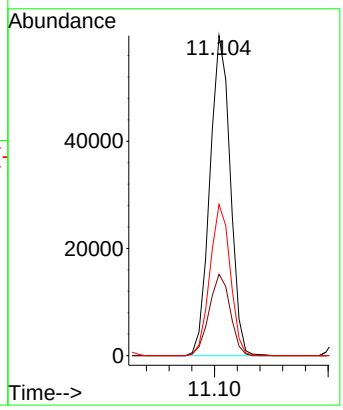


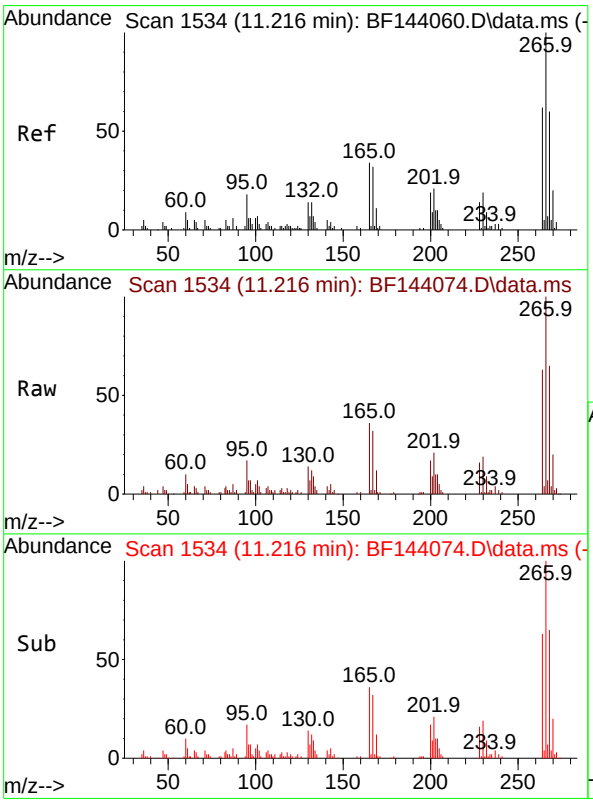
#69
Atrazine
Concen: 38.475 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 74391

Ion	Ratio	Lower	Upper
200	100		
173	25.4	4.9	44.9
215	47.2	28.2	68.2

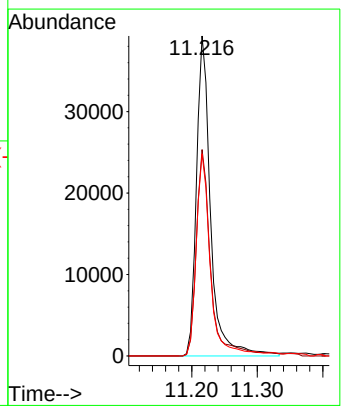


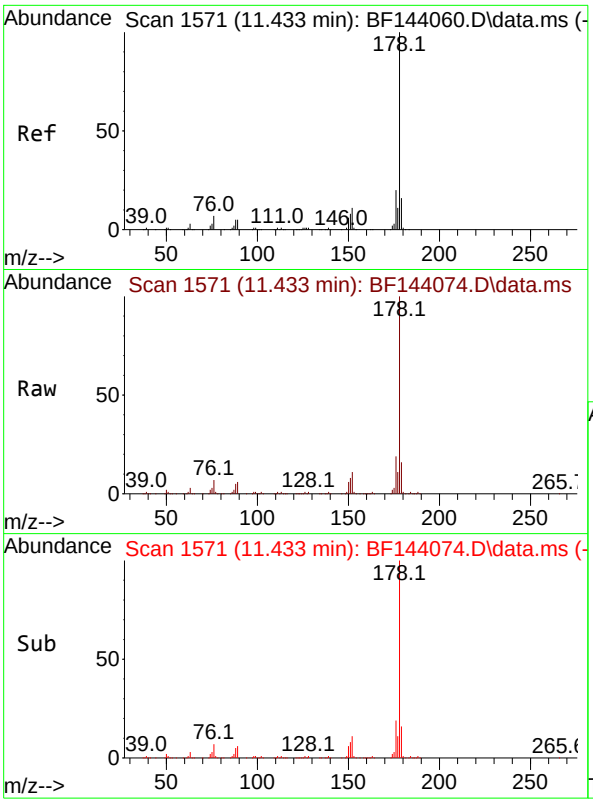


#70
Pentachlorophenol
Concen: 43.784 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:266 Resp: 59017

Ion	Ratio	Lower	Upper
266	100		
268	64.5	48.2	72.4
264	63.2	49.4	74.0



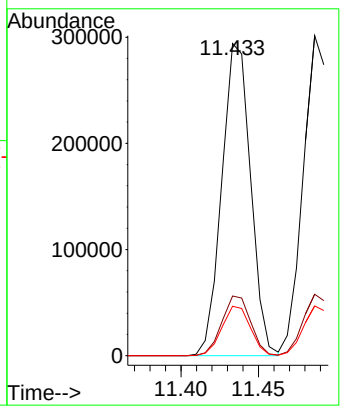


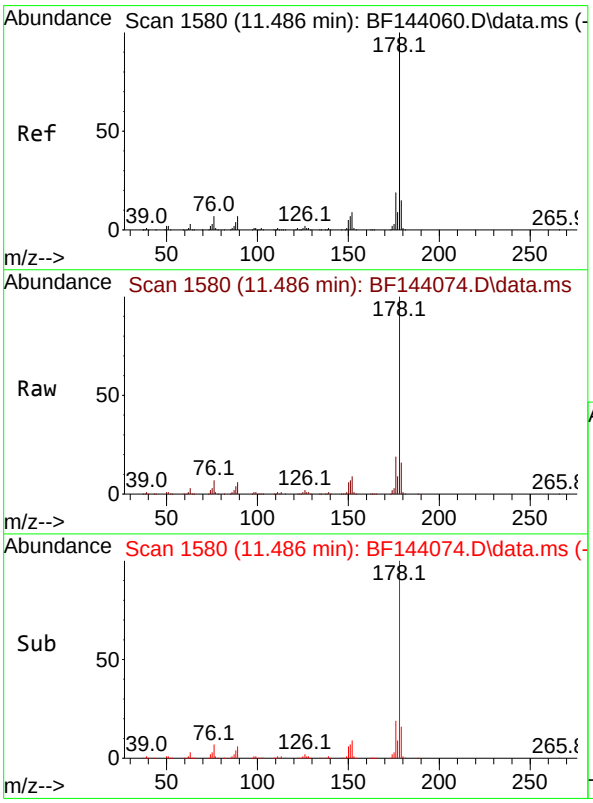
#71
Phenanthrene
Concen: 41.610 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 381184

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.8	12.6	18.8

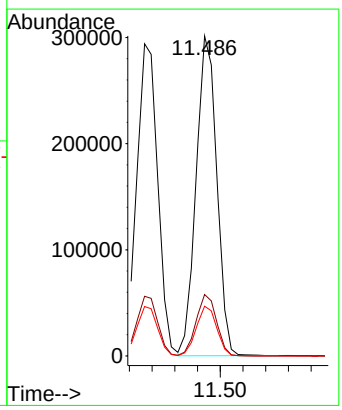


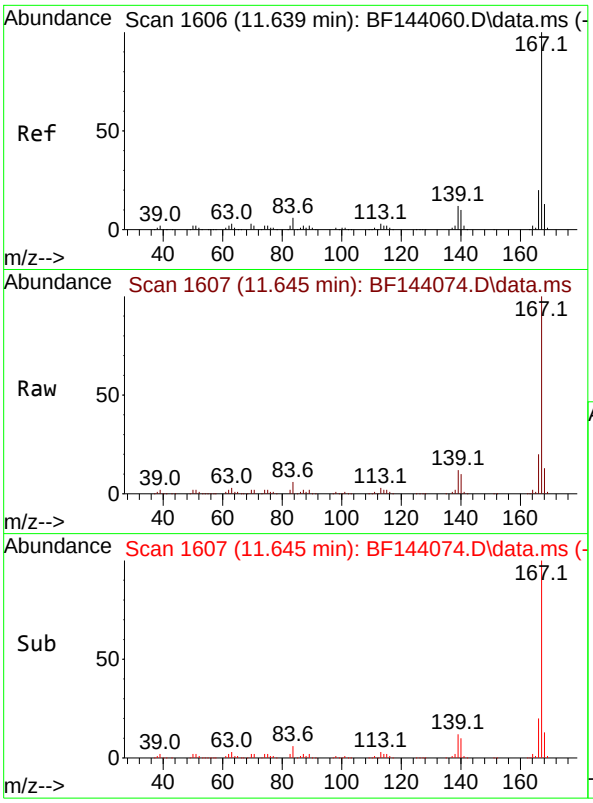


#72
Anthracene
Concen: 40.239 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:178 Resp: 380792

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.6	11.8	17.6



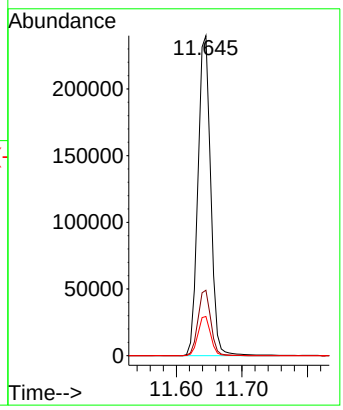


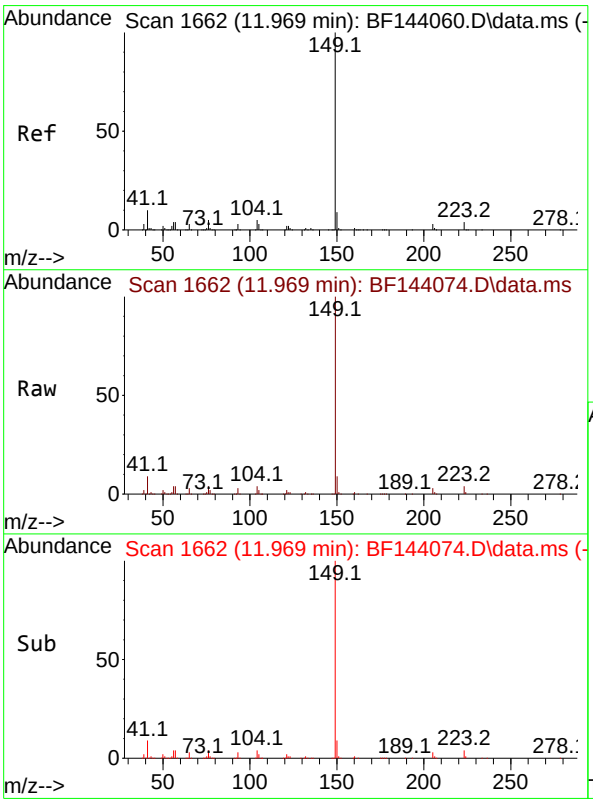
#73
Carbazole
Concen: 40.288 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 324513

Ion	Ratio	Lower	Upper
167	100		
166	20.5	16.1	24.1
139	12.2	9.8	14.6

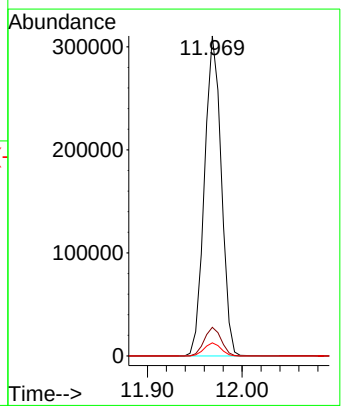


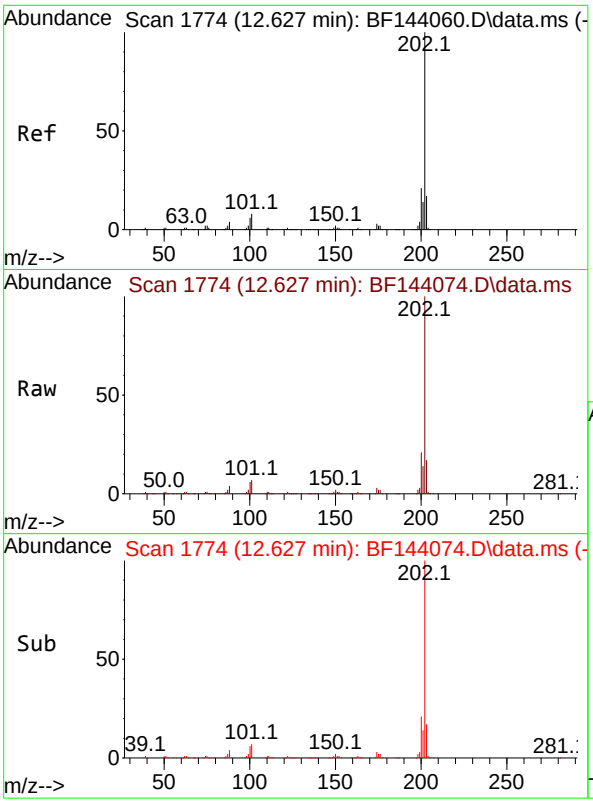


#74
Di-n-butylphthalate
Concen: 38.793 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:149 Resp: 383099

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.1	3.6	5.4



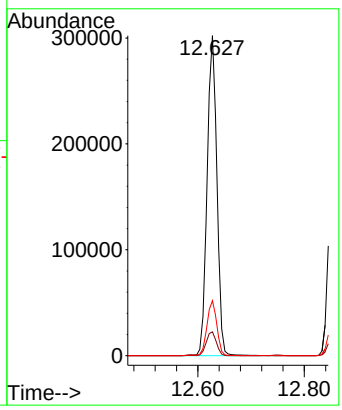


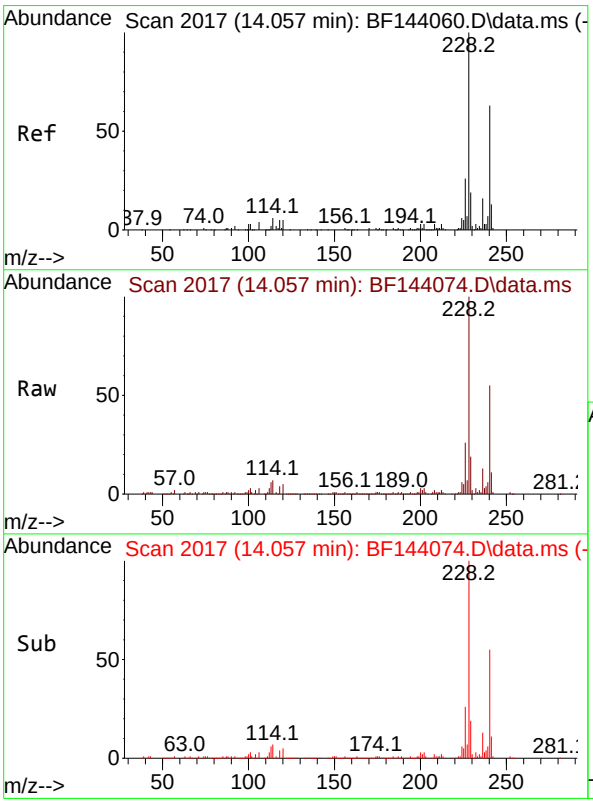
#75
Fluoranthene
Concen: 37.938 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 383968

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	17.2	0.0	37.3

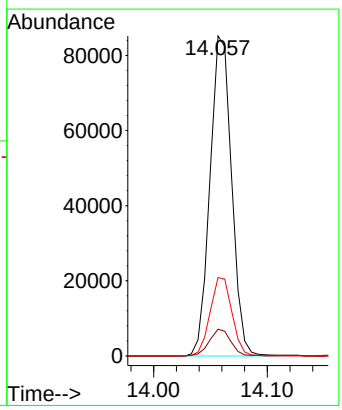


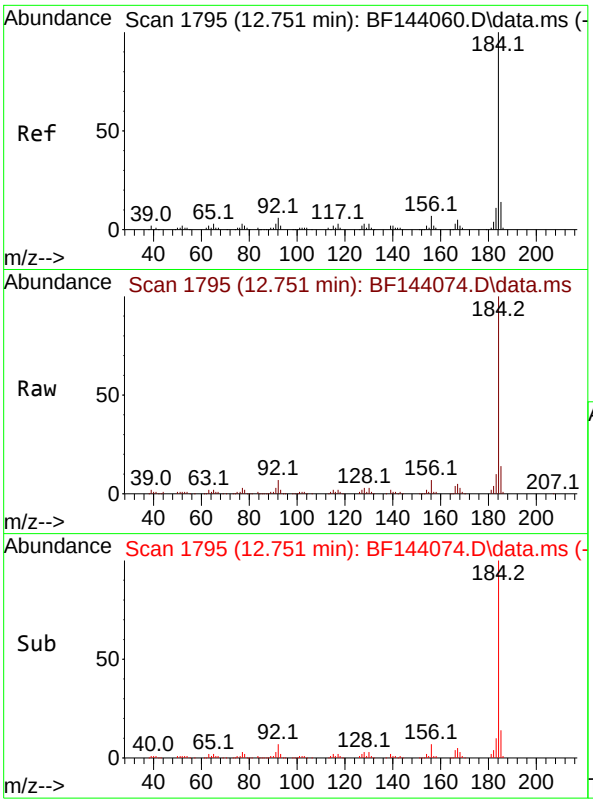


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:240 Resp: 112717

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	24.5	20.1	30.1



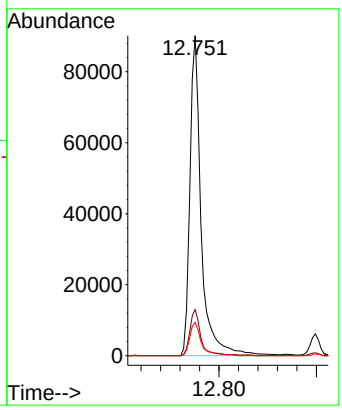


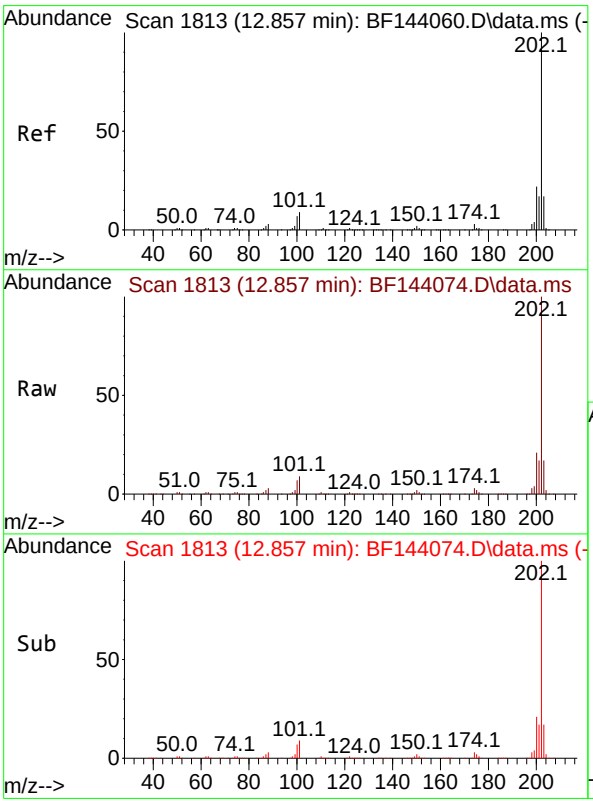
#77
Benzidine
Concen: 41.457 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 145430

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	10.3	8.5	12.7

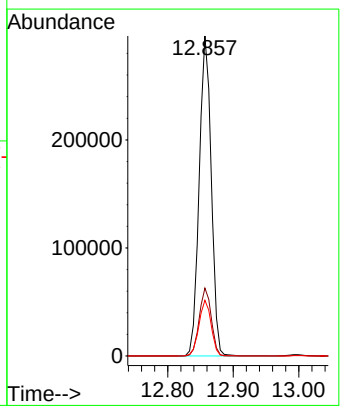


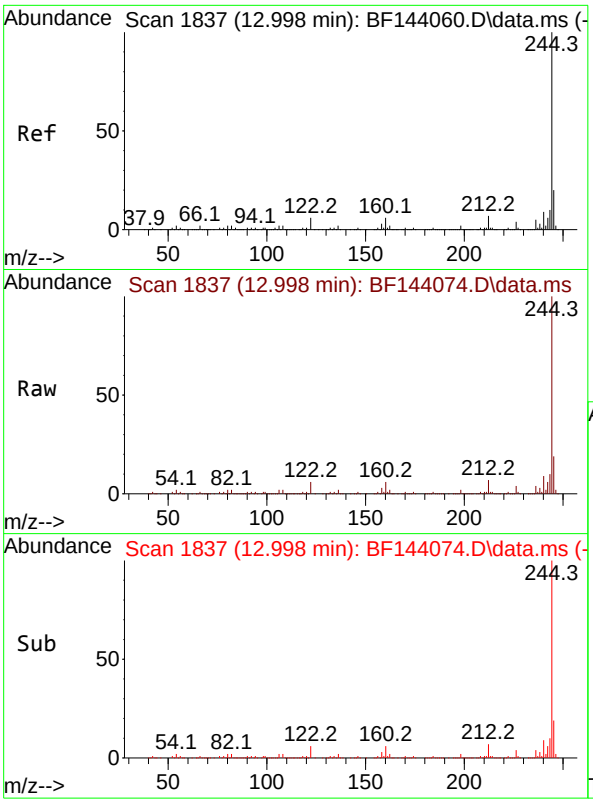


#78
Pyrene
Concen: 46.872 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:202 Resp: 379834

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.4	13.5	20.3



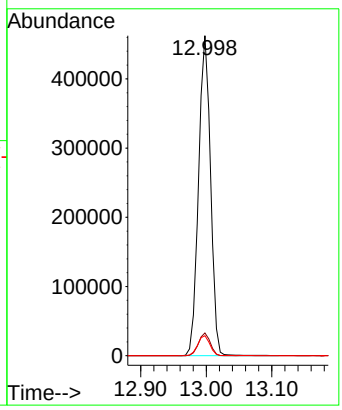


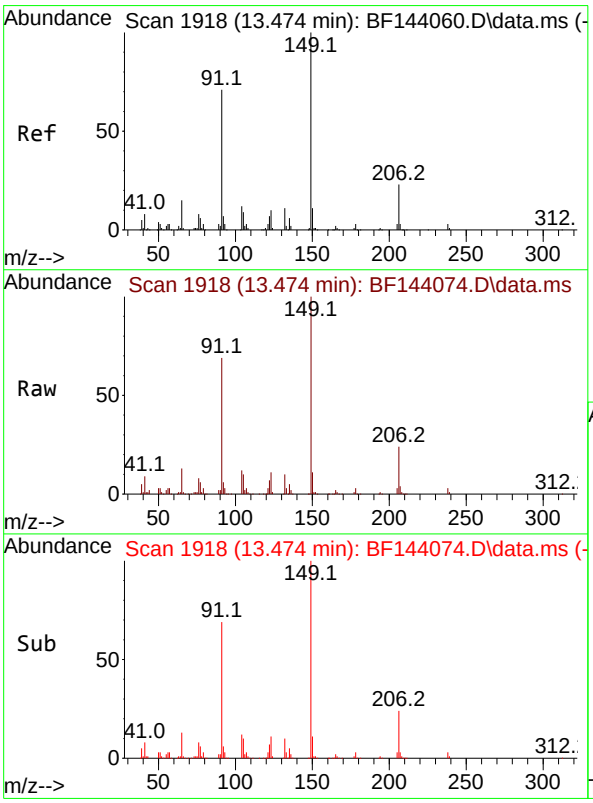
#79
Terphenyl-d14
Concen: 91.306 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 588700

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.2	4.9	7.3

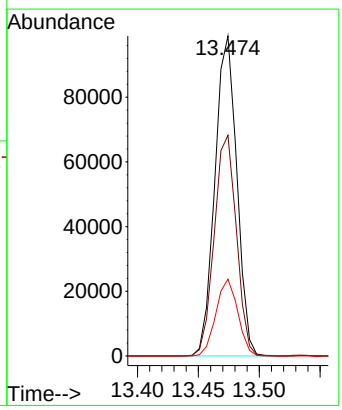


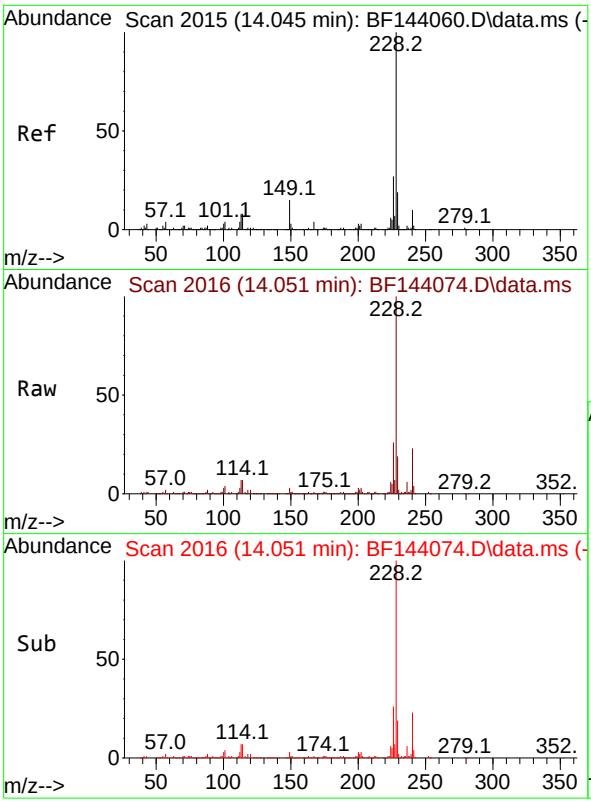


#80
Butylbenzylphthalate
Concen: 40.484 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:149 Resp: 124111

Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.6	84.8
206	24.0	18.3	27.5



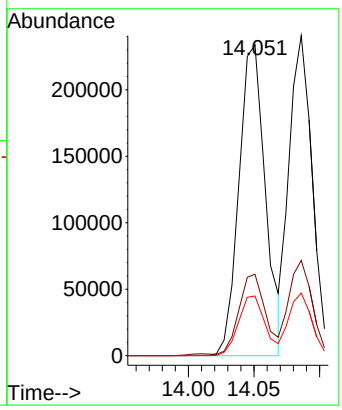


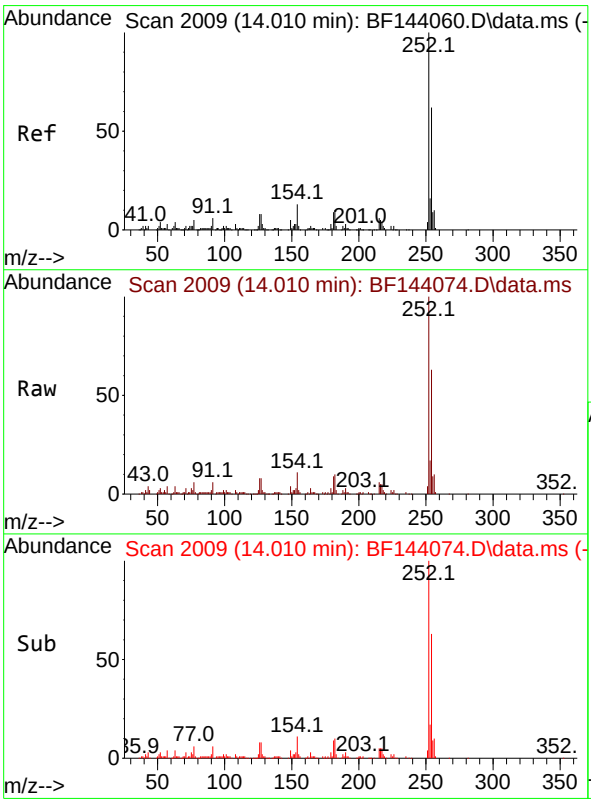
#81
Benzo(a)anthracene
Concen: 43.272 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 329626

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.4	32.2
229	19.2	15.3	22.9

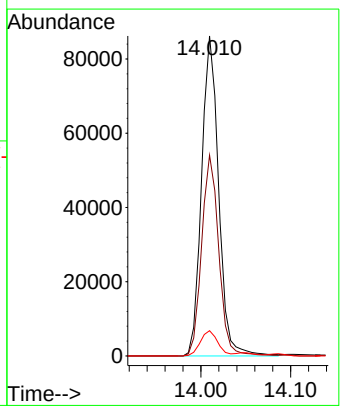


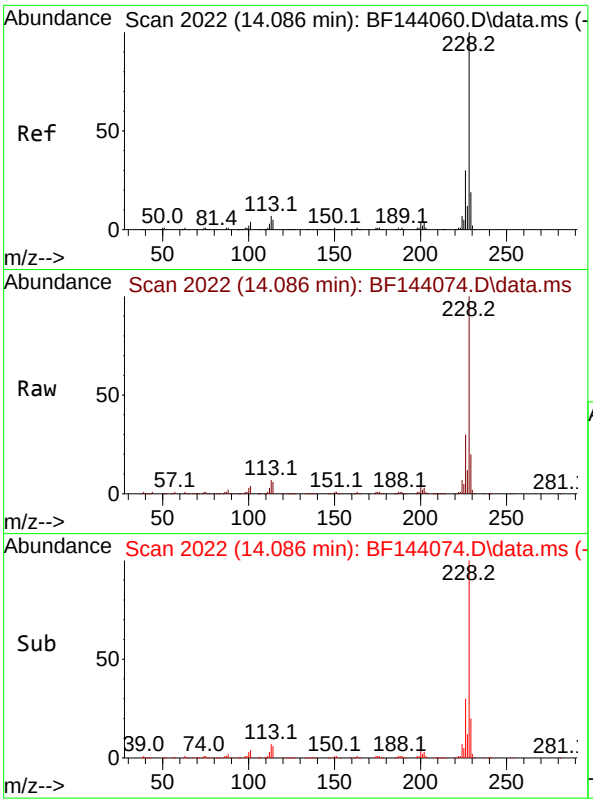


#82
3,3'-Dichlorobenzidine
Concen: 42.969 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:252 Resp: 113938

Ion	Ratio	Lower	Upper
252	100		
254	62.7	49.9	74.9
126	7.9	6.5	9.7



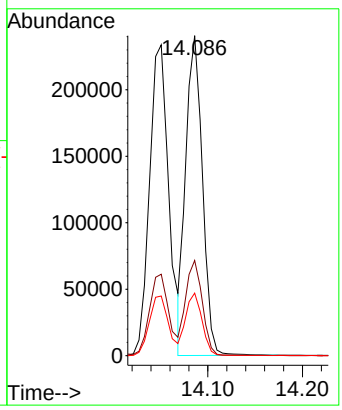


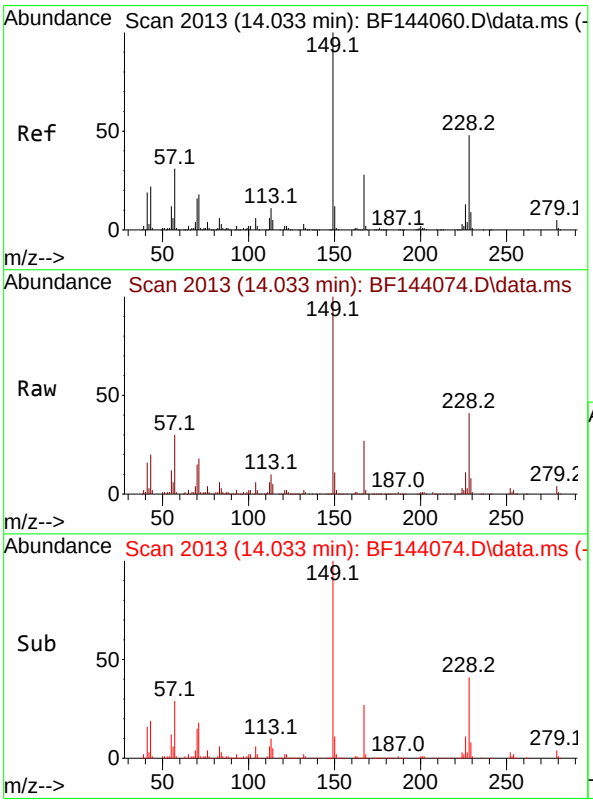
#83
Chrysene
Concen: 41.319 ng
RT: 14.086 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 295359

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.5	15.6	23.4

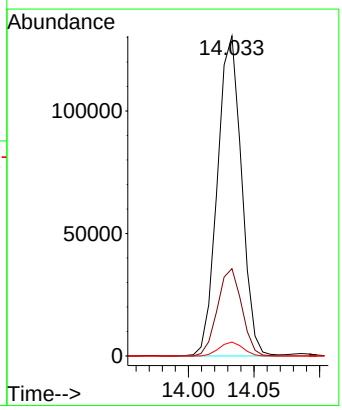


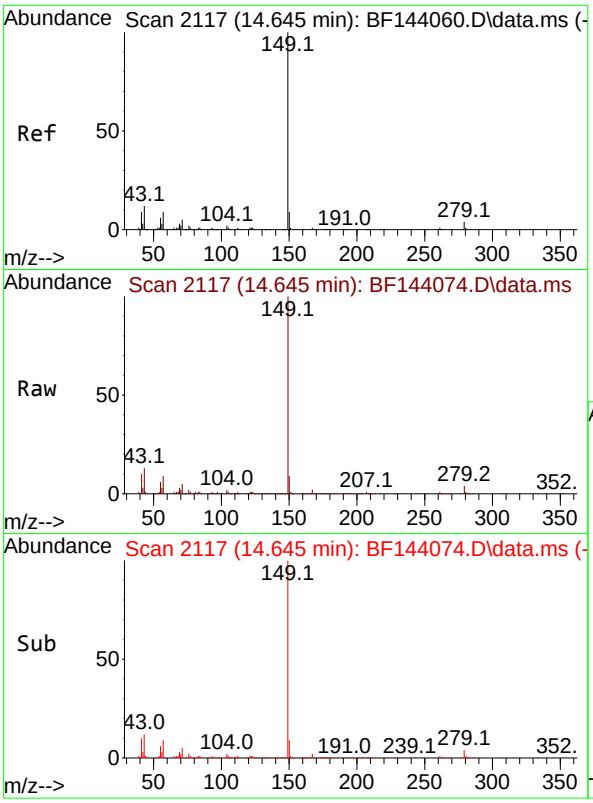


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.991 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:149 Resp: 167373

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.5	33.7
279	4.4	3.6	5.4



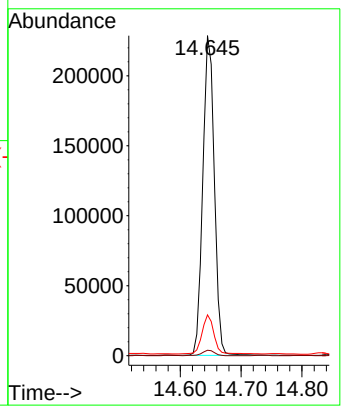


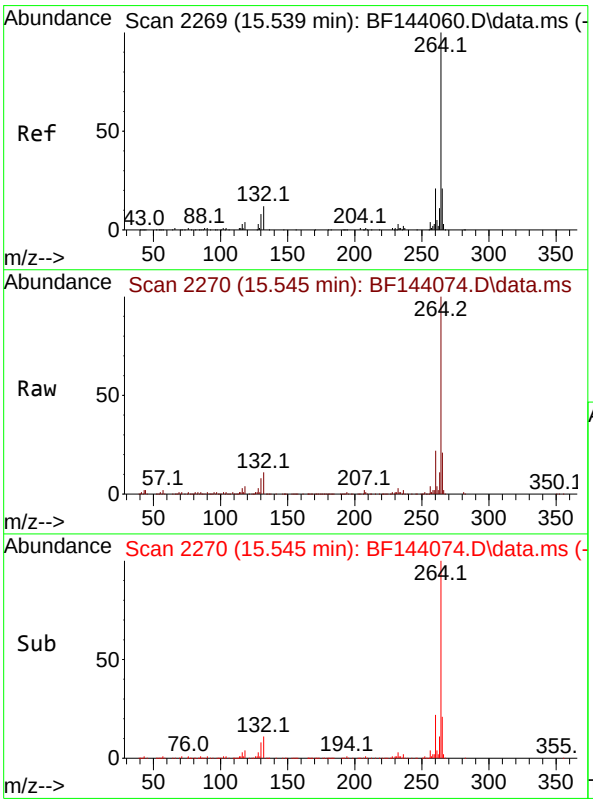
#85
Di-n-octyl phthalate
Concen: 41.585 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 299304

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8#
43	12.7	9.3	13.9

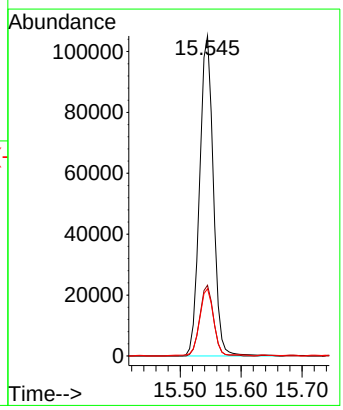


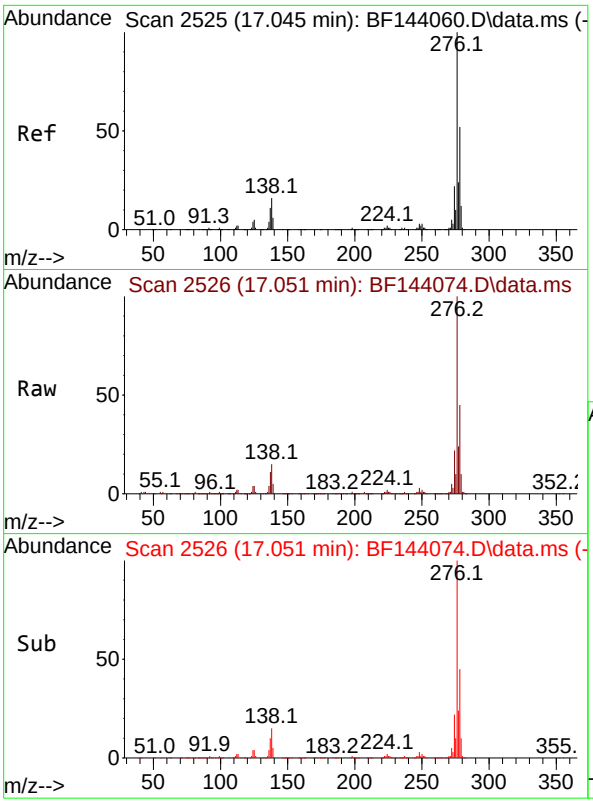


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:264 Resp: 164562

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.0	25.4
265	21.0	16.6	24.8



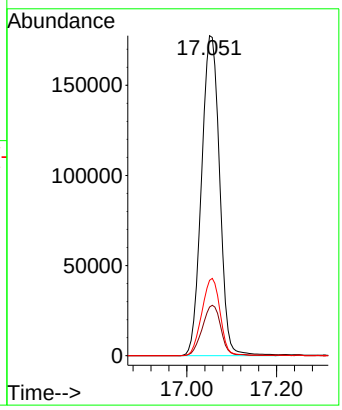


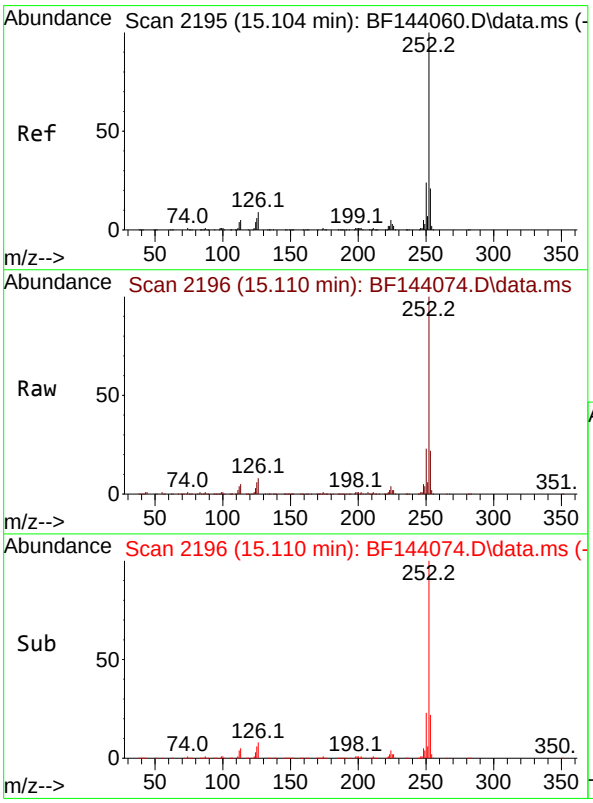
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.981 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 496906

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.0	19.6
277	24.4	19.4	29.0

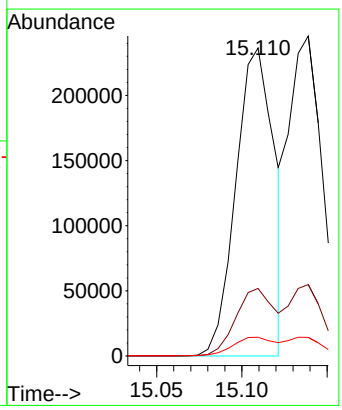


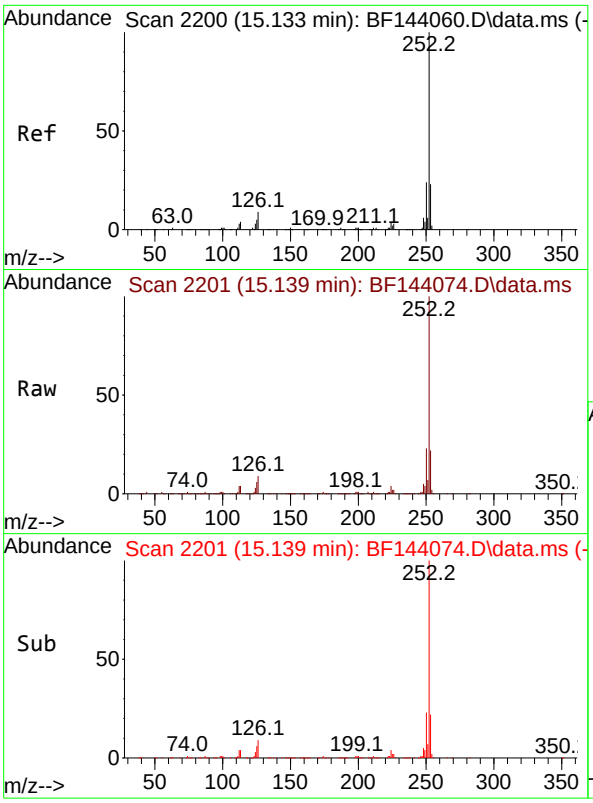


#88
Benzo(b)fluoranthene
Concen: 39.622 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:252 Resp: 368610

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	6.1	5.0	7.6



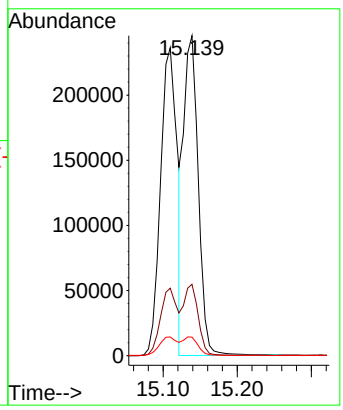


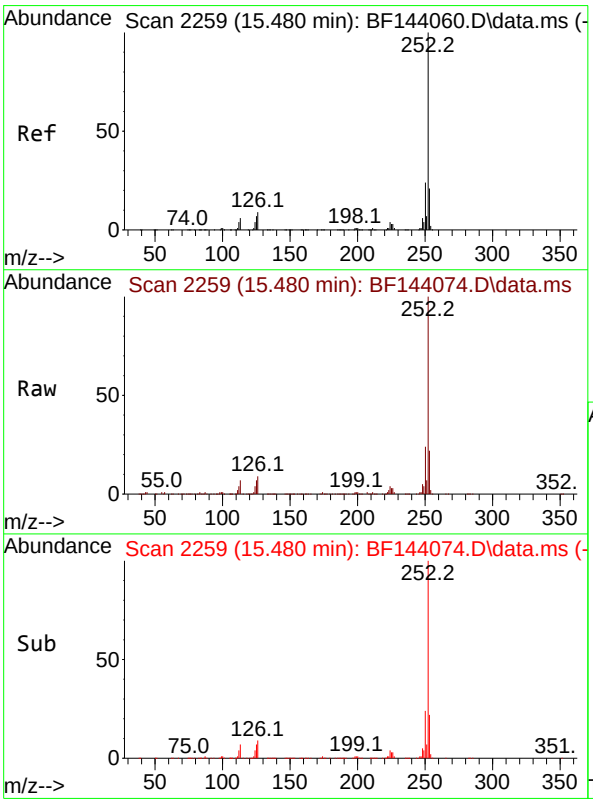
#89
Benzo(k)fluoranthene
Concen: 39.586 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 339785

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	5.8	4.9	7.3

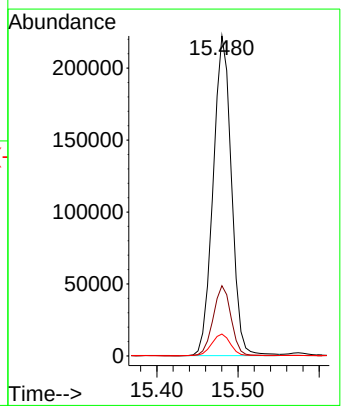


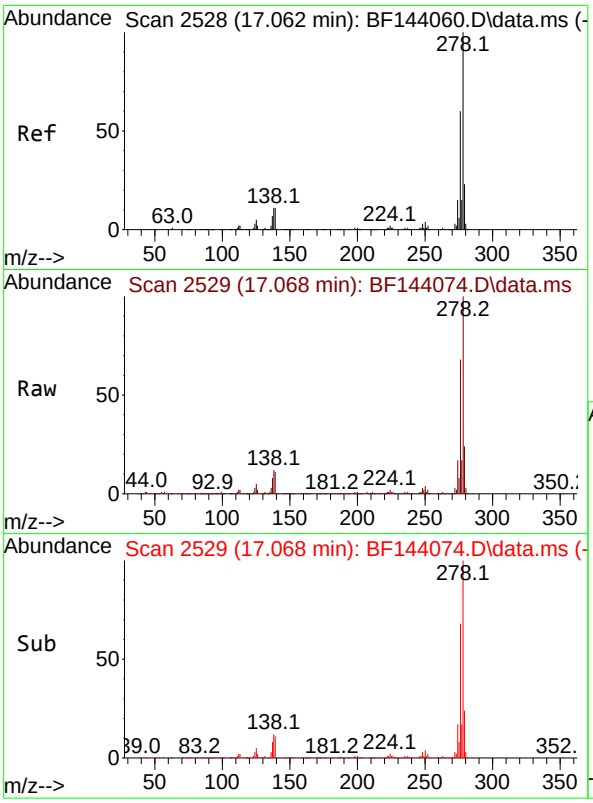


#90
Benzo(a)pyrene
Concen: 41.791 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:252 Resp: 348799

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	6.8	5.4	8.2



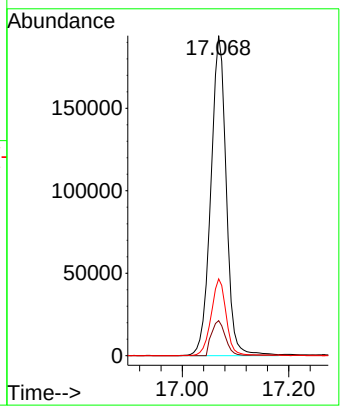


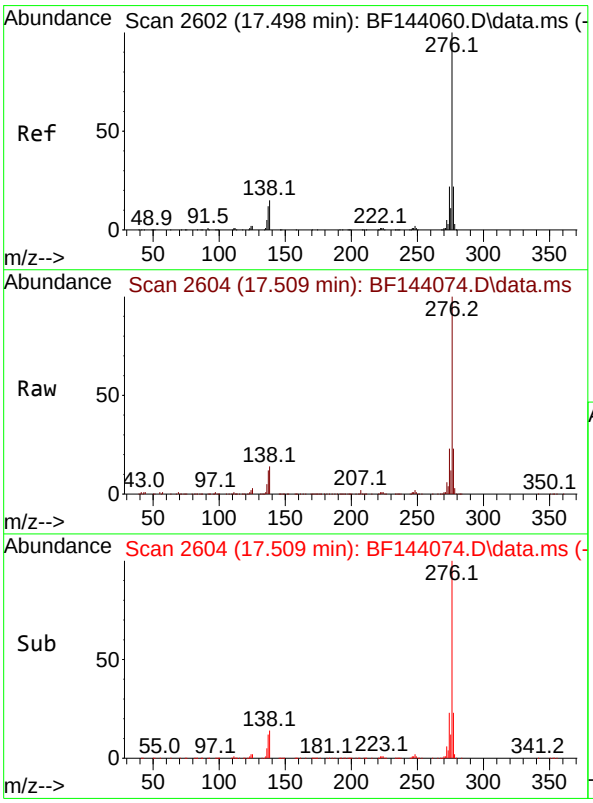
#91
Dibenzo(a,h)anthracene
Concen: 43.695 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 390777

Ion	Ratio	Lower	Upper
278	100		
139	10.9	8.5	12.7
279	24.0	18.6	28.0

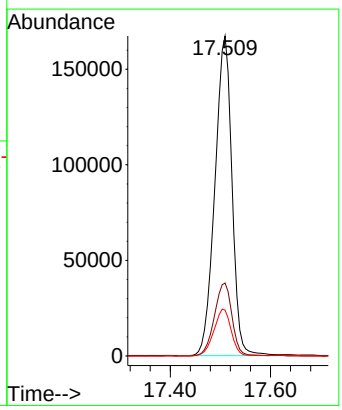




#92
Benzo(g,h,i)perylene
Concen: 43.914 ng
RT: 17.509 min Scan# 2604
Delta R.T. 0.012 min
Lab File: BF144074.D
Acq: 27 Oct 2025 10:27

Tgt Ion:276 Resp: 394850

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	14.3	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2		1,4-Dioxane	0.546	0.545	0.2	109	-0.01
3		Pyridine	1.462	1.525	-4.3	110	0.00
4		n-Nitrosodimethylamine	0.899	0.858	4.6	104	0.00
5	S	2-Fluorophenol	1.264	1.380	-9.2	117	0.00
6		Aniline	1.997	2.149	-7.6	118	0.00
7	S	Phenol-d6	1.396	1.515	-8.5	119	0.00
8		2-Chlorophenol	1.245	1.332	-7.0	118	0.00
9		Benzaldehyde	1.084	1.063	1.9	112	0.00
10	C	Phenol	1.722	1.833	-6.4	117	0.00
11		bis(2-Chloroethyl)ether	1.245	1.349	-8.4	119	0.00
12		1,3-Dichlorobenzene	1.536	1.641	-6.8	116	0.00
13	C	1,4-Dichlorobenzene	1.513	1.626	-7.5	116	0.00
14		1,2-Dichlorobenzene	1.464	1.550	-5.9	116	0.00
15		Benzyl Alcohol	1.135	1.248	-10.0	120	0.00
16		2,2'-oxybis(1-Chloropropane	2.339	2.496	-6.7	116	0.00
17		2-Methylphenol	0.957	1.041	-8.8	123	0.00
18		Hexachloroethane	0.541	0.579	-7.0	117	0.00
19	P	n-Nitroso-di-n-propylamine	0.903	0.952	-5.4	120	0.00
20		3+4-Methylphenols	1.132	1.219	-7.7	115	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.432	0.456	-5.6	120	0.00
23	S	Nitrobenzene-d5	0.365	0.385	-5.5	120	0.00
24		Nitrobenzene	0.386	0.407	-5.4	119	0.00
25		Isophorone	0.638	0.683	-7.1	122	0.00
26	C	2-Nitrophenol	0.184	0.199	-8.2	119	0.00
27		2,4-Dimethylphenol	0.273	0.309	-13.2	124	0.00
28		bis(2-Chloroethoxy)methane	0.398	0.425	-6.8	121	0.00
29	C	2,4-Dichlorophenol	0.317	0.336	-6.0	119	0.00
30		1,2,4-Trichlorobenzene	0.327	0.335	-2.4	115	0.00
31		Naphthalene	0.944	0.998	-5.7	118	0.00
32		Benzoic acid	0.173	0.181	-4.6	142	0.00
33		4-Chloroaniline	0.329	0.363	-10.3	124	0.00
34	C	Hexachlorobutadiene	0.267	0.273	-2.2	116	0.00
35		Caprolactam	0.080	0.087	-8.7	118	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.302	-7.9	123	0.00
37		2-Methylnaphthalene	0.622	0.664	-6.8	118	0.00
38		1-Methylnaphthalene	0.590	0.636	-7.8	123	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	124	0.00
40		1,2,4,5-Tetrachlorobenzene	0.687	0.712	-3.6	125	0.00
41	P	Hexachlorocyclopentadiene	0.212	0.233	-9.9	132	0.00
42	S	2,4,6-Tribromophenol	0.255	0.270	-5.9	128	0.00
43	C	2,4,6-Trichlorophenol	0.447	0.457	-2.2	120	0.00
44		2,4,5-Trichlorophenol	0.469	0.499	-6.4	132	0.00
45	S	2-Fluorobiphenyl	1.421	1.420	0.1	121	0.00
46		1,1'-Biphenyl	1.432	1.433	-0.1	120	0.00
47		2-Chloronaphthalene	1.199	1.225	-2.2	124	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.356	0.384	-7.9	125	0.00
49		Acenaphthylene	1.617	1.654	-2.3	120	0.00
50		Dimethylphthalate	1.311	1.344	-2.5	122	0.00
51		2,6-Dinitrotoluene	0.259	0.282	-8.9	127	0.00
52	C	Acenaphthene	1.080	1.105	-2.3	123	0.00
53		3-Nitroaniline	0.288	0.296	-2.8	114	0.00
54	P	2,4-Dinitrophenol	0.140	0.137	2.1	137	0.00
55		Dibenzofuran	1.499	1.549	-3.3	123	0.00
56	P	4-Nitrophenol	0.195	0.203	-4.1	134	0.00
57		2,4-Dinitrotoluene	0.350	0.367	-4.9	118	0.00
58		Fluorene	1.143	1.167	-2.1	121	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.362	-9.7	124	0.00
60		Diethylphthalate	1.233	1.247	-1.1	120	0.00
61		4-Chlorophenyl-phenylether	0.643	0.665	-3.4	122	0.00
62		4-Nitroaniline	0.273	0.281	-2.9	117	0.00
63		Azobenzene	1.167	1.180	-1.1	118	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.134	-4.7	126	0.00
66	c	n-Nitrosodiphenylamine	0.639	0.685	-7.2	123	0.00
67		4-Bromophenyl-phenylether	0.250	0.275	-10.0	122	0.00
68		Hexachlorobenzene	0.307	0.333	-8.5	120	0.00
69		Atrazine	0.210	0.202	3.8	112	0.00
70	C	Pentachlorophenol	0.146	0.160	-9.6	124	0.00
71		Phenanthrene	0.994	1.034	-4.0	117	0.00
72		Anthracene	1.026	1.032	-0.6	113	0.00
73		Carbazole	0.874	0.880	-0.7	112	0.00
74		Di-n-butylphthalate	1.071	1.039	3.0	107	0.00
75	C	Fluoranthene	1.098	1.041	5.2	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77		Benzidine	0.622	0.645	-3.7	88	0.00
78		Pyrene	1.438	1.685	-17.2	101	0.00
79	S	Terphenyl-d14	1.144	1.306	-14.2	98	0.00
80		Butylbenzylphthalate	0.544	0.551	-1.3	84	0.00
81		Benzo(a)anthracene	1.352	1.462	-8.1	88	0.00
82		3,3'-Dichlorobenzidine	0.470	0.505	-7.4	90	0.00
83		Chrysene	1.268	1.310	-3.3	91	0.00
84		Bis(2-ethylhexyl)phthalate	0.743	0.742	0.1	85	0.00
85	c	Di-n-octyl phthalate	1.277	1.328	-4.0	87	0.00
86	I	Perylene-d12	1.000	1.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	1.373	1.510	-10.0	110	0.00
88		Benzo(b)fluoranthene	1.131	1.120	1.0	95	0.00
89		Benzo(k)fluoranthene	1.043	1.032	1.1	105	0.00
90	C	Benzo(a)pyrene	1.014	1.060	-4.5	105	0.00
91		Dibenzo(a,h)anthracene	1.087	1.187	-9.2	110	0.00
92		Benzo(g,h,i)perylene	1.093	1.200	-9.8	108	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2		1,4-Dioxane	40.000	39.936	0.2	109	-0.01
3		Pyridine	40.000	41.712	-4.3	110	0.00
4		n-Nitrosodimethylamine	40.000	38.172	4.6	104	0.00
5	S	2-Fluorophenol	80.000	87.355	-9.2	117	0.00
6		Aniline	40.000	43.042	-7.6	118	0.00
7	S	Phenol-d6	80.000	86.803	-8.5	119	0.00
8		2-Chlorophenol	40.000	42.812	-7.0	118	0.00
9		Benzaldehyde	40.000	39.213	2.0	112	0.00
10	C	Phenol	40.000	42.559	-6.4	117	0.00
11		bis(2-Chloroethyl)ether	40.000	43.342	-8.4	119	0.00
12		1,3-Dichlorobenzene	40.000	42.743	-6.9	116	0.00
13	C	1,4-Dichlorobenzene	40.000	42.963	-7.4	116	0.00
14		1,2-Dichlorobenzene	40.000	42.349	-5.9	116	0.00
15		Benzyl Alcohol	40.000	43.981	-10.0	120	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.682	-6.7	116	0.00
17		2-Methylphenol	40.000	43.474	-8.7	123	0.00
18		Hexachloroethane	40.000	42.808	-7.0	117	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.191	-5.5	120	0.00
20		3+4-Methylphenols	40.000	43.078	-7.7	115	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	42.203	-5.5	120	0.00
23	S	Nitrobenzene-d5	80.000	84.277	-5.3	120	0.00
24		Nitrobenzene	40.000	42.153	-5.4	119	0.00
25		Isophorone	40.000	42.811	-7.0	122	0.00
26	C	2-Nitrophenol	40.000	43.268	-8.2	119	0.00
27		2,4-Dimethylphenol	40.000	45.340	-13.4	124	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.723	-6.8	121	0.00
29	C	2,4-Dichlorophenol	40.000	42.393	-6.0	119	0.00
30		1,2,4-Trichlorobenzene	40.000	41.079	-2.7	115	0.00
31		Naphthalene	40.000	42.271	-5.7	118	0.00
32		Benzoic acid	40.000	41.781	-4.5	142	0.00
33		4-Chloroaniline	40.000	44.158	-10.4	124	0.00
34	C	Hexachlorobutadiene	40.000	40.877	-2.2	116	0.00
35		Caprolactam	40.000	43.869	-9.7	118	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.150	-7.9	123	0.00
37		2-Methylnaphthalene	40.000	42.699	-6.7	118	0.00
38		1-Methylnaphthalene	40.000	43.152	-7.9	123	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	124	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.440	-3.6	125	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.878	-9.7	132	0.00
42	S	2,4,6-Tribromophenol	80.000	84.893	-6.1	128	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.949	-2.4	120	0.00
44		2,4,5-Trichlorophenol	40.000	42.599	-6.5	132	0.00
45	S	2-Fluorobiphenyl	80.000	79.903	0.1	121	0.00
46		1,1'-Biphenyl	40.000	40.027	-0.1	120	0.00
47		2-Chloronaphthalene	40.000	40.869	-2.2	124	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.173	-7.9	125	0.00
49		Acenaphthylene	40.000	40.908	-2.3	120	0.00
50		Dimethylphthalate	40.000	41.020	-2.6	122	0.00
51		2,6-Dinitrotoluene	40.000	43.531	-8.8	127	0.00
52	C	Acenaphthene	40.000	40.938	-2.3	123	0.00
53		3-Nitroaniline	40.000	41.061	-2.7	114	0.00
54	P	2,4-Dinitrophenol	40.000	38.960	2.6	137	0.00
55		Dibenzofuran	40.000	41.318	-3.3	123	0.00
56	P	4-Nitrophenol	40.000	41.527	-3.8	134	0.00
57		2,4-Dinitrotoluene	40.000	41.918	-4.8	118	0.00
58		Fluorene	40.000	40.866	-2.2	121	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.817	-9.5	124	0.00
60		Diethylphthalate	40.000	40.457	-1.1	120	0.00
61		4-Chlorophenyl-phenylether	40.000	41.424	-3.6	122	0.00
62		4-Nitroaniline	40.000	41.182	-3.0	117	0.00
63		Azobenzene	40.000	40.465	-1.2	118	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.715	-4.3	126	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.907	-7.3	123	0.00
67		4-Bromophenyl-phenylether	40.000	43.947	-9.9	122	0.00
68		Hexachlorobenzene	40.000	43.436	-8.6	120	0.00
69		Atrazine	40.000	38.475	3.8	112	0.00
70	C	Pentachlorophenol	40.000	43.784	-9.5	124	0.00
71		Phenanthrene	40.000	41.610	-4.0	117	0.00
72		Anthracene	40.000	40.239	-0.6	113	0.00
73		Carbazole	40.000	40.288	-0.7	112	0.00
74		Di-n-butylphthalate	40.000	38.793	3.0	107	0.00
75	C	Fluoranthene	40.000	37.938	5.2	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77		Benzidine	40.000	41.457	-3.6	88	0.00
78		Pyrene	40.000	46.872	-17.2	101	0.00
79	S	Terphenyl-d14	80.000	91.306	-14.1	98	0.00
80		Butylbenzylphthalate	40.000	40.484	-1.2	84	0.00
81		Benzo(a)anthracene	40.000	43.272	-8.2	88	0.00
82		3,3'-Dichlorobenzidine	40.000	42.969	-7.4	90	0.00
83		Chrysene	40.000	41.319	-3.3	91	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.991	0.0	85	0.00
85	c	Di-n-octyl phthalate	40.000	41.585	-4.0	87	0.00
86	I	Perylene-d12	20.000	20.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.981	-10.0	110	0.00
88		Benzo(b)fluoranthene	40.000	39.622	0.9	95	0.00
89		Benzo(k)fluoranthene	40.000	39.586	1.0	105	0.00
90	C	Benzo(a)pyrene	40.000	41.791	-4.5	105	0.00
91		Dibenzo(a,h)anthracene	40.000	43.695	-9.2	110	0.00
92		Benzo(g,h,i)perylene	40.000	43.914	-9.8	108	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144074.D
Acq On : 27 Oct 2025 10:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 11:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: Q3447

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.303		3.1	
Benzaldehyde	1.084	1.105		1.9	
Phenol-d6	1.396	1.466		5.0	
Phenol	1.722	1.775		3.1	20.0
bis(2-Chloroethyl)ether	1.245	1.329		6.7	
2-Chlorophenol	1.245	1.300		4.4	
2-Methylphenol	0.957	1.028		7.4	
2,2-oxybis(1-Chloropropane)	2.339	2.513		7.4	
Acetophenone	0.432	0.450		4.2	
3+4-Methylphenols	1.132	1.216		7.4	
n-Nitroso-di-n-propylamine	0.903	1.004	0.050	11.2	
Nitrobenzene-d5	0.365	0.371		1.6	
Hexachloroethane	0.541	0.558		3.1	
Nitrobenzene	0.386	0.408		5.7	
Isophorone	0.638	0.714		11.9	
2-Nitrophenol	0.184	0.203		10.3	20.0
2,4-Dimethylphenol	0.273	0.303		11.0	
bis(2-Chloroethoxy)methane	0.398	0.444		11.6	
2,4-Dichlorophenol	0.317	0.338		6.6	20.0
Naphthalene	0.944	0.987		4.6	
4-Chloroaniline	0.329	0.364		10.6	
Hexachlorobutadiene	0.267	0.269		0.7	20.0
Caprolactam	0.080	0.097		21.3	
4-Chloro-3-methylphenol	0.280	0.322		15.0	20.0
2-Methylnaphthalene	0.622	0.666		7.1	
Hexachlorocyclopentadiene	0.212	0.238	0.050	12.3	
2,4,6-Trichlorophenol	0.447	0.474		6.0	20.0
2-Fluorobiphenyl	1.421	1.379		-3.0	
2,4,5-Trichlorophenol	0.469	0.522		11.3	
1,1-Biphenyl	1.432	1.391		-2.9	
2-Chloronaphthalene	1.199	1.218		1.6	
2-Nitroaniline	0.356	0.388		9.0	
Dimethylphthalate	1.311	1.432		9.2	
Acenaphthylene	1.617	1.684		4.1	
2,6-Dinitrotoluene	0.259	0.297		14.7	
3-Nitroaniline	0.288	0.326		13.2	
Acenaphthene	1.080	1.111		2.9	20.0
2,4-Dinitrophenol	0.140	0.166	0.050	18.6	
4-Nitrophenol	0.195	0.221	0.050	13.3	

Form VII SV-1

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.: Q3447

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.565		4.4	
2,4-Dinitrotoluene	0.350	0.407		16.3	
Diethylphthalate	1.233	1.355		9.9	
4-Chlorophenyl-phenylether	0.643	0.693		7.8	
Fluorene	1.143	1.207		5.6	
4-Nitroaniline	0.273	0.304		11.4	
4,6-Dinitro-2-methylphenol	0.128	0.136		6.3	
n-Nitrosodiphenylamine	0.639	0.653		2.2	20.0
2,4,6-Tribromophenol	0.255	0.287		12.5	
4-Bromophenyl-phenylether	0.250	0.266		6.4	
Hexachlorobenzene	0.307	0.322		4.9	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.170		16.4	20.0
Phenanthrene	0.994	1.013		1.9	
Anthracene	1.026	1.035		0.9	
Carbazole	0.874	0.869		-0.6	
Di-n-butylphthalate	1.071	1.082		1.0	
Fluoranthene	1.098	1.000		-8.9	20.0
Pyrene	1.438	2.068		43.8	
Terphenyl-d14	1.144	1.573		37.5	
Butylbenzylphthalate	0.544	0.651		19.7	
3,3-Dichlorobenzidine	0.470	0.517		10.0	
Benzo(a)anthracene	1.352	1.480		9.5	
Chrysene	1.268	1.334		5.2	
Bis(2-ethylhexyl)phthalate	0.743	0.775		4.3	
Di-n-octyl phthalate	1.277	1.323		3.6	20.0
Benzo(b)fluoranthene	1.131	1.126		-0.4	
Benzo(k)fluoranthene	1.043	1.047		0.4	
Benzo(a)pyrene	1.014	1.094		7.9	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.546		12.6	
Dibenzo(a,h)anthracene	1.087	1.218		12.1	
Benzo(g,h,i)perylene	1.093	1.265		15.7	
1,2,4,5-Tetrachlorobenzene	0.687	0.668		-2.8	
1,4-Dioxane	0.546	0.520		-4.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.372		12.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	66521	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	250146	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	147935	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	264042	20.000	ng		0.00
76) Chrysene-d12	14.057	240	128248	20.000	ng		0.00
86) Perylene-d12	15.539	264	169914	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	346602	82.434	ng		0.00
7) Phenol-d6	6.510	99	390159	84.022	ng		0.00
23) Nitrobenzene-d5	7.445	82	371128	81.285	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	169601	90.002	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	816145	77.635	ng		0.00
79) Terphenyl-d14	12.992	244	806709	109.967	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	69149	38.059	ng		96
3) Pyridine	3.404	79	202882	41.710	ng		96
4) n-Nitrosodimethylamine	3.351	42	112807	37.743	ng		91
6) Aniline	6.545	93	275642	41.492	ng		99
8) 2-Chlorophenol	6.663	128	172921	41.762	ng		100
9) Benzaldehyde	6.434	77	147003	40.774	ng		98
10) Phenol	6.528	94	236104	41.214	ng		92
11) bis(2-Chloroethyl)ether	6.616	93	176755	42.699	ng		96
12) 1,3-Dichlorobenzene	6.822	146	212619	41.627	ng		98
13) 1,4-Dichlorobenzene	6.898	146	210959	41.909	ng		98
14) 1,2-Dichlorobenzene	7.051	146	203316	41.744	ng		98
15) Benzyl Alcohol	7.022	79	164325	43.521	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	334275	42.966	ng		96
17) 2-Methylphenol	7.134	107	136788	42.952	ng		97
18) Hexachloroethane	7.392	117	74260	41.263	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	133622	44.499	ng		92
20) 3+4-Methylphenols	7.287	107	161750	42.964	ng	#	86
22) Acetophenone	7.292	105	224937	41.609	ng		95
24) Nitrobenzene	7.463	77	204243	42.287	ng		99
25) Isophorone	7.704	82	357344	44.766	ng		99
26) 2-Nitrophenol	7.781	139	101537	44.191	ng		95
27) 2,4-Dimethylphenol	7.816	122	151833	44.467	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	222369	44.670	ng		97
29) 2,4-Dichlorophenol	8.022	162	169254	42.625	ng		97
30) 1,2,4-Trichlorobenzene	8.104	180	172640	42.262	ng		99
31) Naphthalene	8.186	128	493628	41.811	ng		98
32) Benzoic acid	7.934	122	115219	53.198	ng	#	84
33) 4-Chloroaniline	8.234	127	182107	44.308	ng		98
34) Hexachlorobutadiene	8.298	225	134816	40.361	ng		99
35) Caprolactam	8.610	113	48594	48.802	ng		91
36) 4-Chloro-3-methylphenol	8.716	107	161239	46.014	ng		96
37) 2-Methylnaphthalene	8.875	142	333422	42.835	ng		96
38) 1-Methylnaphthalene	8.975	142	320892	43.513	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	197569	38.859	ng		98
41) Hexachlorocyclopentadiene	9.028	237	70289	44.760	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	140181	42.418	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

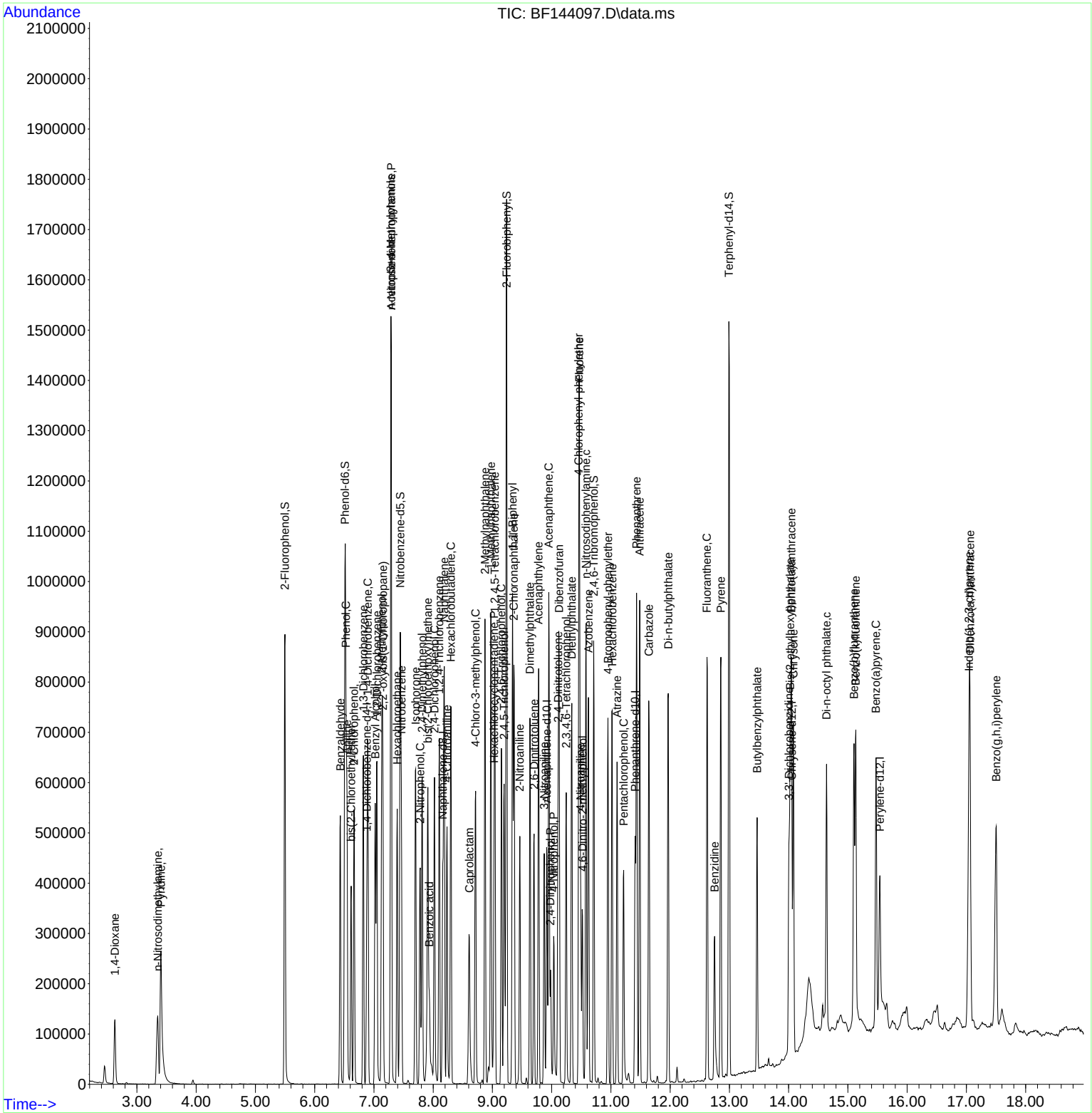
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	154404	44.519	ng	96
46) 1,1'-Biphenyl	9.339	154	411658	38.873	ng	100
47) 2-Chloronaphthalene	9.363	162	360439	40.627	ng	97
48) 2-Nitroaniline	9.463	65	114922	43.622	ng	98
49) Acenaphthylene	9.780	152	498378	41.661	ng	99
50) Dimethylphthalate	9.633	163	423610	43.685	ng	100
51) 2,6-Dinitrotoluene	9.704	165	87885	45.846	ng	92
52) Acenaphthene	9.951	154	328569	41.127	ng	98
53) 3-Nitroaniline	9.875	138	96397	45.229	ng	98
54) 2,4-Dinitrophenol	9.980	184	49169	47.423	ng	98
55) Dibenzofuran	10.128	168	463130	41.757	ng	97
56) 4-Nitrophenol	10.033	139	65421	45.329	ng	92
57) 2,4-Dinitrotoluene	10.110	165	120319	46.505	ng	95
58) Fluorene	10.469	166	357025	42.247	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	109986	45.002	ng	98
60) Diethylphthalate	10.339	149	401002	43.974	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	205056	43.147	ng	97
62) 4-Nitroaniline	10.486	138	89874	44.504	ng	96
63) Azobenzene	10.622	77	376152	43.581	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	71598	42.264	ng	98
66) n-Nitrosodiphenylamine	10.580	169	344740	40.864	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	140573	42.521	ng	97
68) Hexachlorobenzene	11.022	284	169947	41.916	ng	96
69) Atrazine	11.104	200	109902	39.700	ng	96
70) Pentachlorophenol	11.216	266	89552	46.401	ng	96
71) Phenanthrene	11.433	178	534720	40.767	ng	99
72) Anthracene	11.486	178	546494	40.333	ng	98
73) Carbazole	11.639	167	458674	39.771	ng	98
74) Di-n-butylphthalate	11.969	149	571521	40.420	ng	100
75) Fluoranthene	12.621	202	528275	36.455	ng	99
77) Benzidine	12.751	184	201207	50.411	ng	99
78) Pyrene	12.857	202	530531	57.540	ng	99
80) Butylbenzylphthalate	13.468	149	167106	47.907	ng	98
81) Benzo(a)anthracene	14.045	228	379691	43.808	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	132543	43.932	ng	100
83) Chrysene	14.080	228	342254	42.081	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	198759	41.739	ng	99
85) Di-n-octyl phthalate	14.639	149	339385	41.443	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	525344	45.034	ng	98
88) Benzo(b)fluoranthene	15.104	252	382543	39.824	ng	100
89) Benzo(k)fluoranthene	15.133	252	355845	40.151	ng	100
90) Benzo(a)pyrene	15.474	252	371712	43.134	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	413954	44.829	ng	99
92) Benzo(g,h,i)perylene	17.503	276	429795	46.294	ng	99

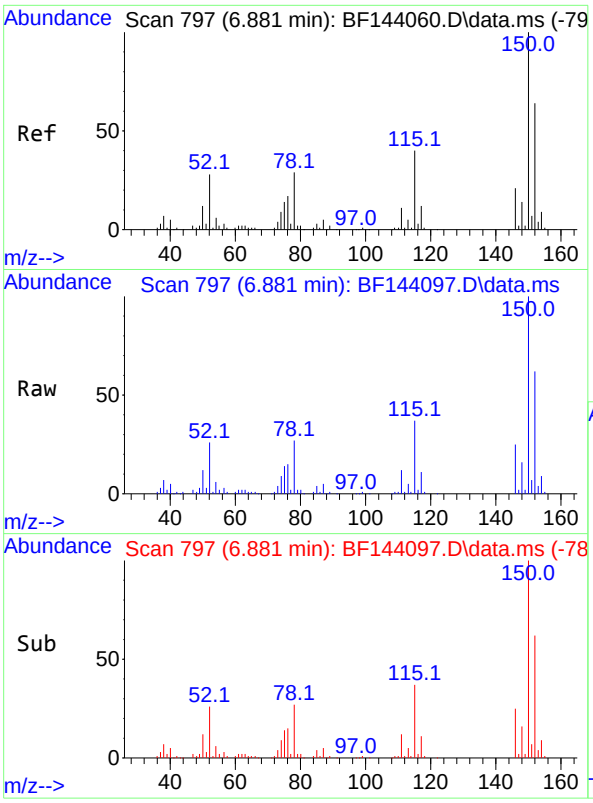
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



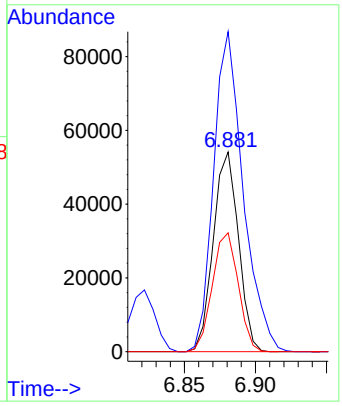


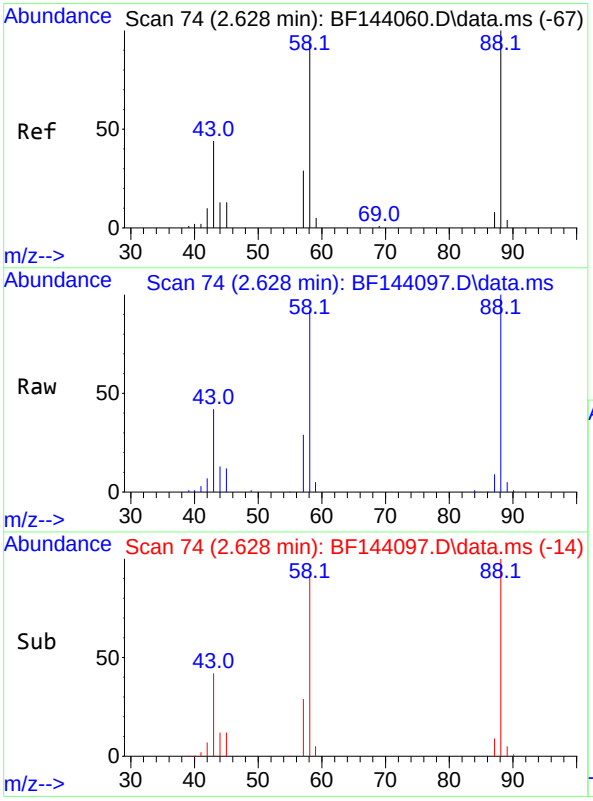
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 66521

Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.4	186.6
115	59.5	49.4	74.0

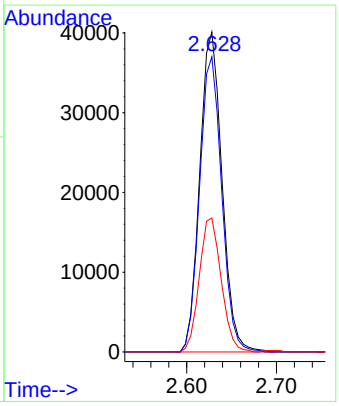


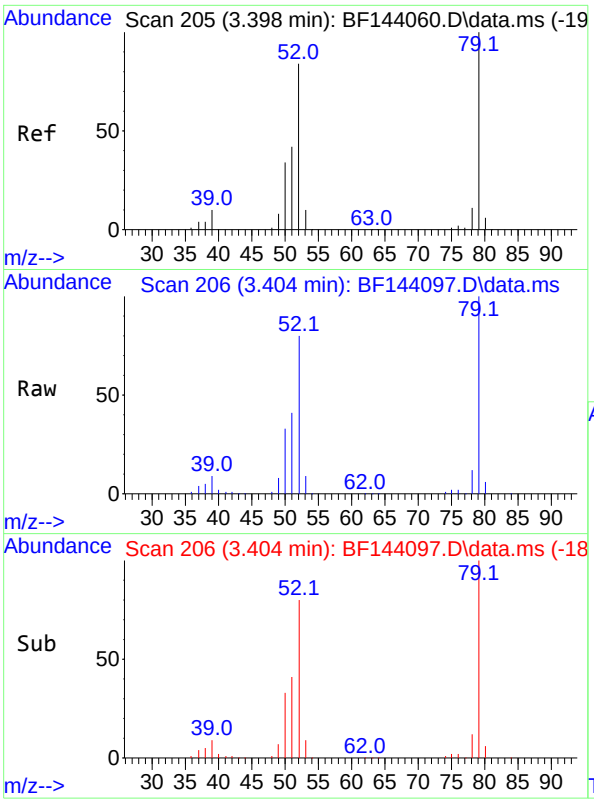


#2
1,4-Dioxane
Concen: 38.059 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 88 Resp: 69149

Ion	Ratio	Lower	Upper
88	100		
58	91.4	76.5	114.7
43	41.2	35.3	52.9



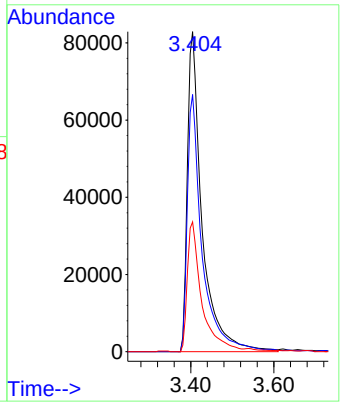


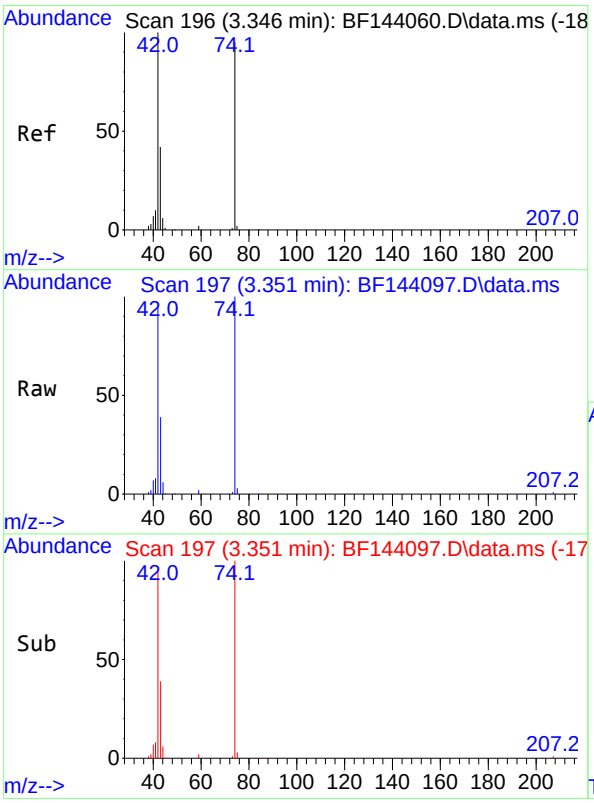
#3
Pyridine
Concen: 41.710 ng
RT: 3.404 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 202882

Ion	Ratio	Lower	Upper
79	100		
52	80.3	67.5	101.3
51	40.5	33.6	50.4

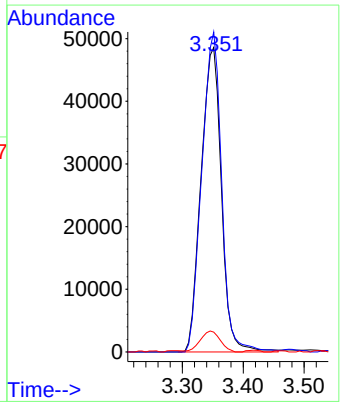


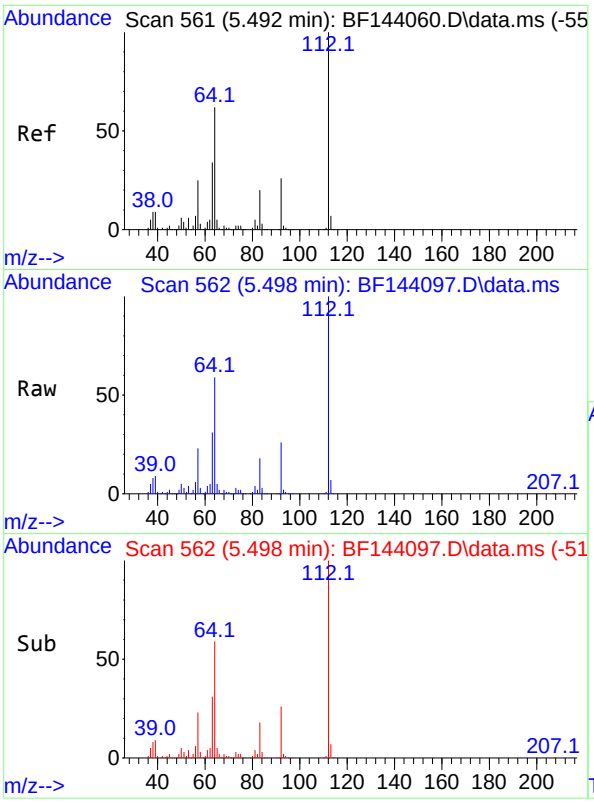


#4
n-Nitrosodimethylamine
Concen: 37.743 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 42 Resp: 112807

Ion	Ratio	Lower	Upper
42	100		
74	105.1	76.4	114.6
44	6.5	5.2	7.8



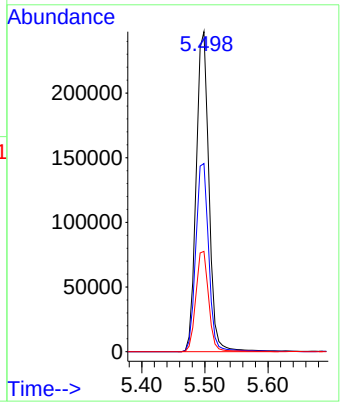


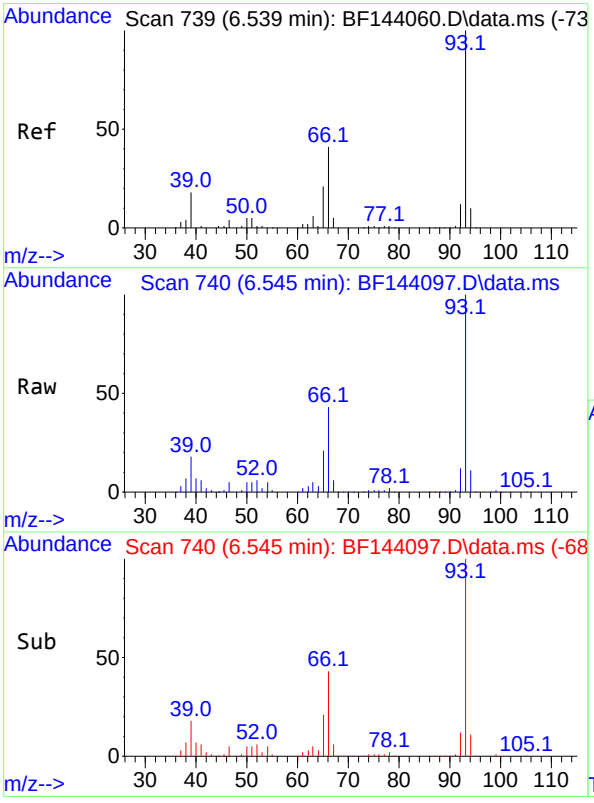
#5
2-Fluorophenol
Concen: 82.434 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 346602

Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.8	74.8
63	31.4	27.4	41.2

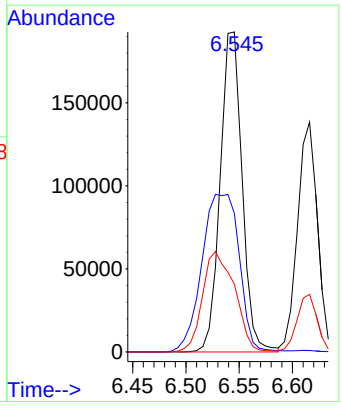


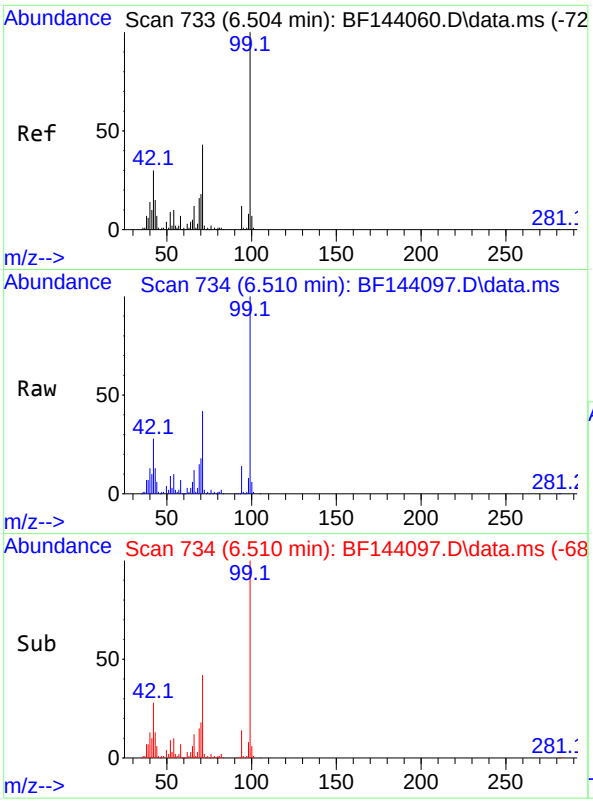


#6
Aniline
Concen: 41.492 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 93 Resp: 275642

Ion	Ratio	Lower	Upper
93	100		
66	43.3	35.7	53.5
65	21.2	17.0	25.6



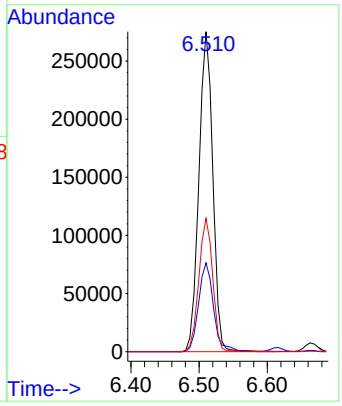


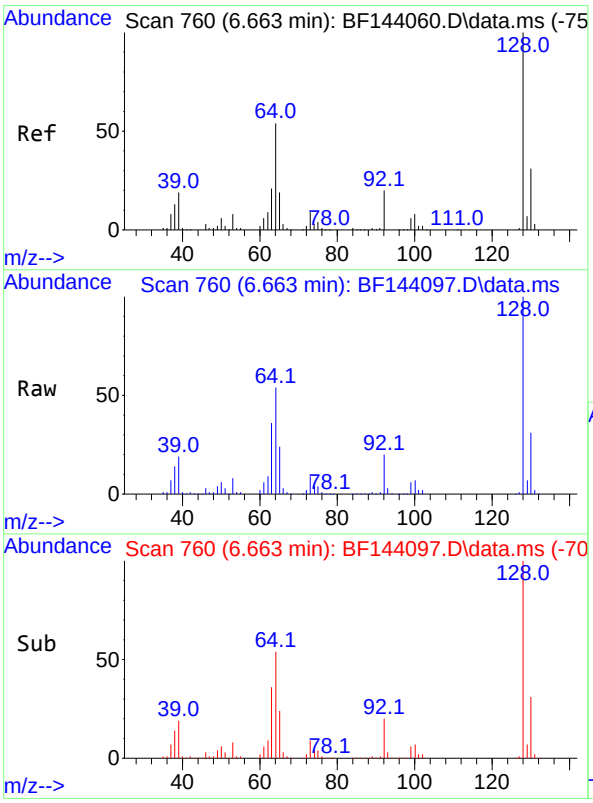
#7
Phenol-d6
Concen: 84.022 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 390159

Ion	Ratio	Lower	Upper
99	100		
42	27.7	23.9	35.9
71	41.7	34.4	51.6

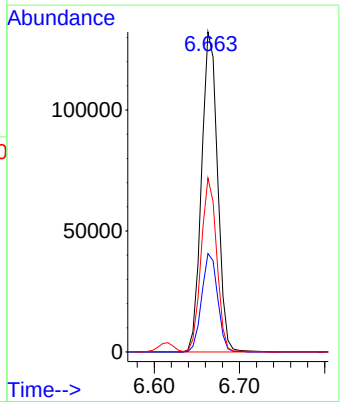


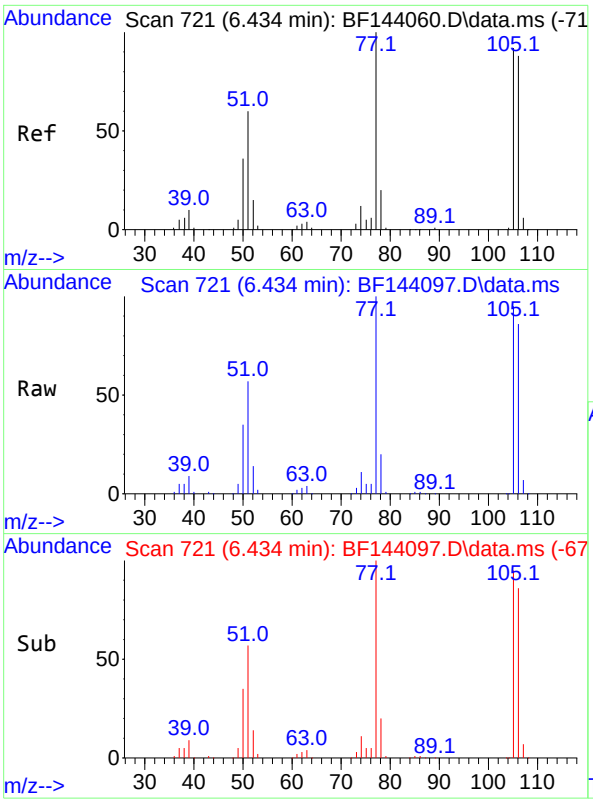


#8
2-Chlorophenol
Concen: 41.762 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:128 Resp: 172921

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.7	50.7
64	54.4	34.7	74.7



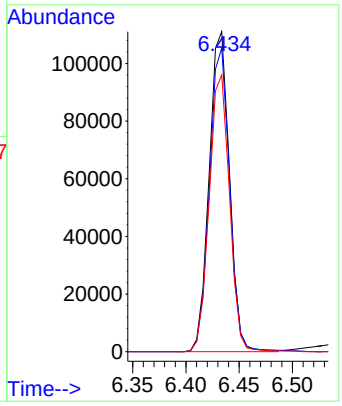


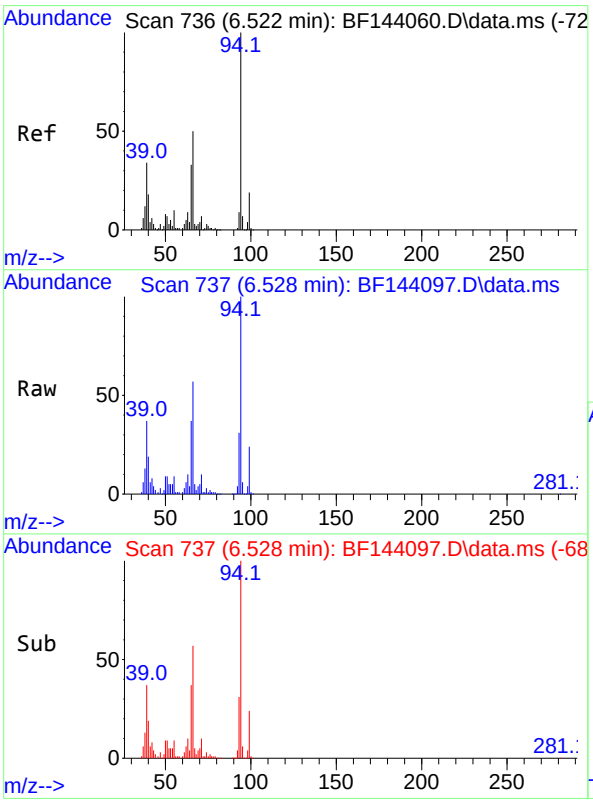
#9
Benzaldehyde
Concen: 40.774 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 147003

Ion	Ratio	Lower	Upper
77	100		
105	94.9	72.2	112.2
106	86.5	67.9	107.9

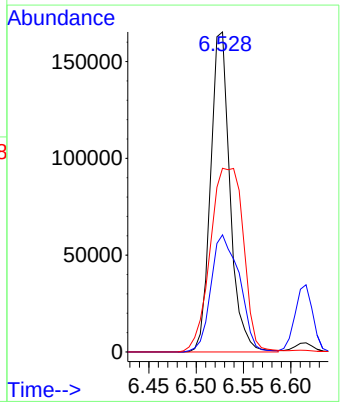


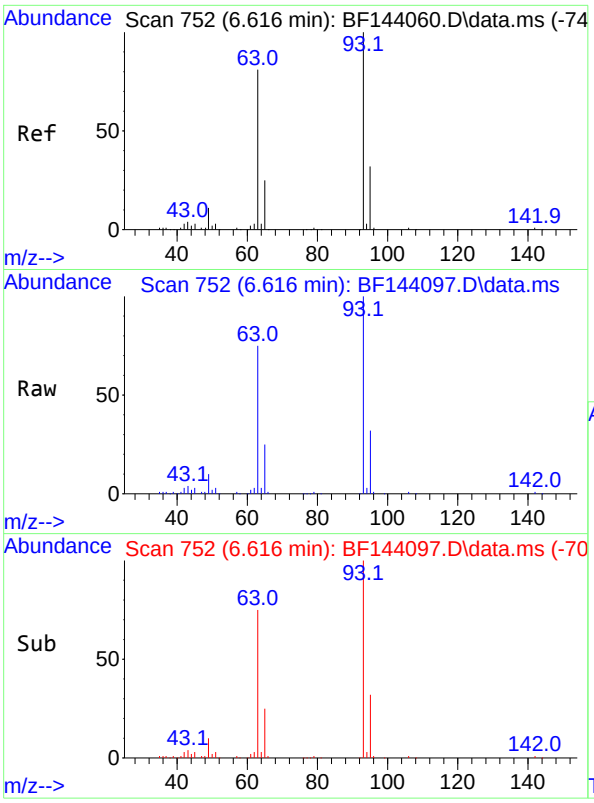


#10
Phenol
Concen: 41.214 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 94 Resp: 236104

Ion	Ratio	Lower	Upper
94	100		
65	36.6	13.1	53.1
66	57.4	30.6	70.6



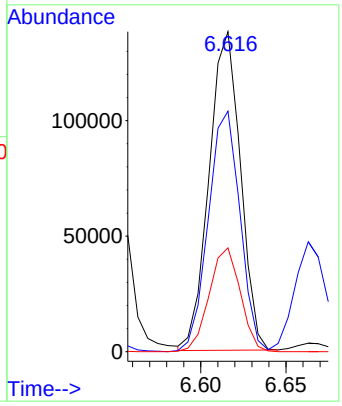


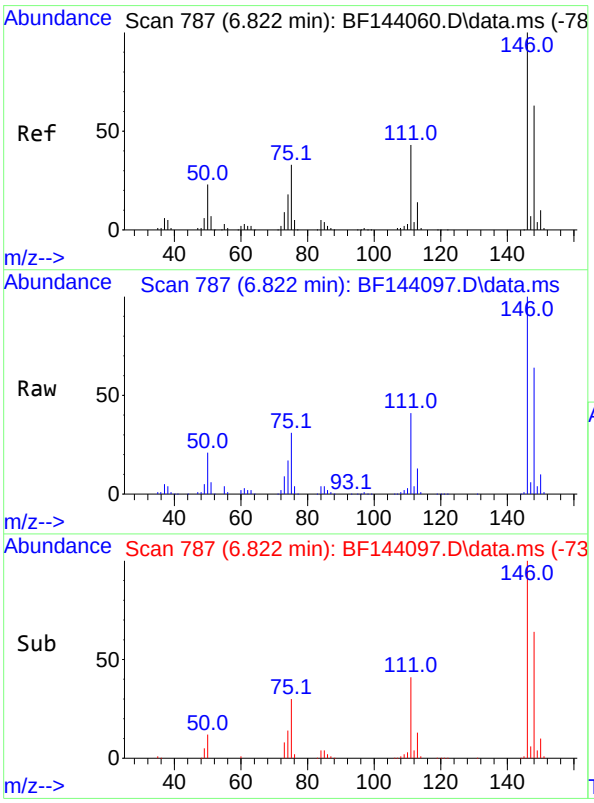
#11
bis(2-Chloroethyl)ether
Concen: 42.699 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 176755

Ion	Ratio	Lower	Upper
93	100		
63	75.1	60.2	100.2
95	32.4	12.4	52.4

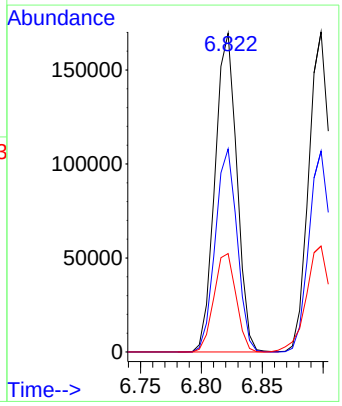


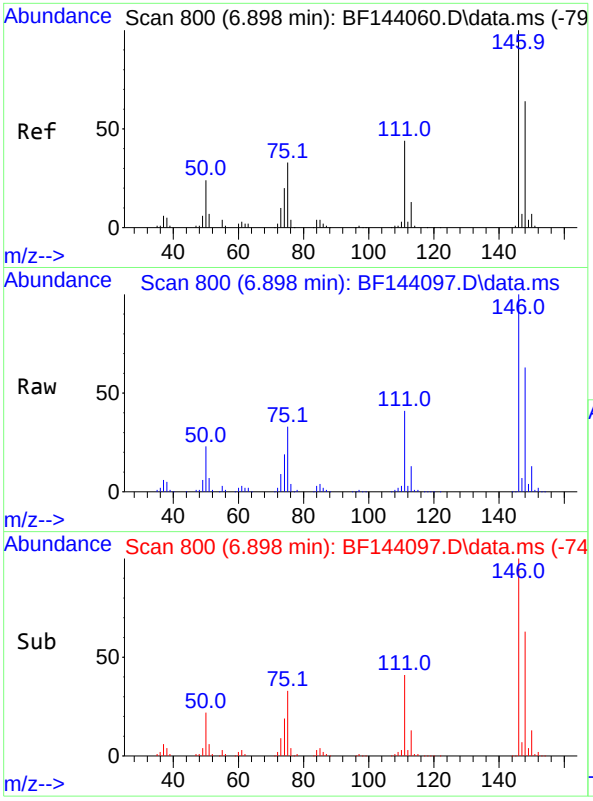


#12
1,3-Dichlorobenzene
Concen: 41.627 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:146 Resp: 212619

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	75.8
75	30.9	26.6	40.0



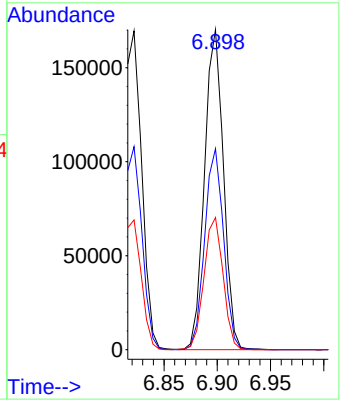


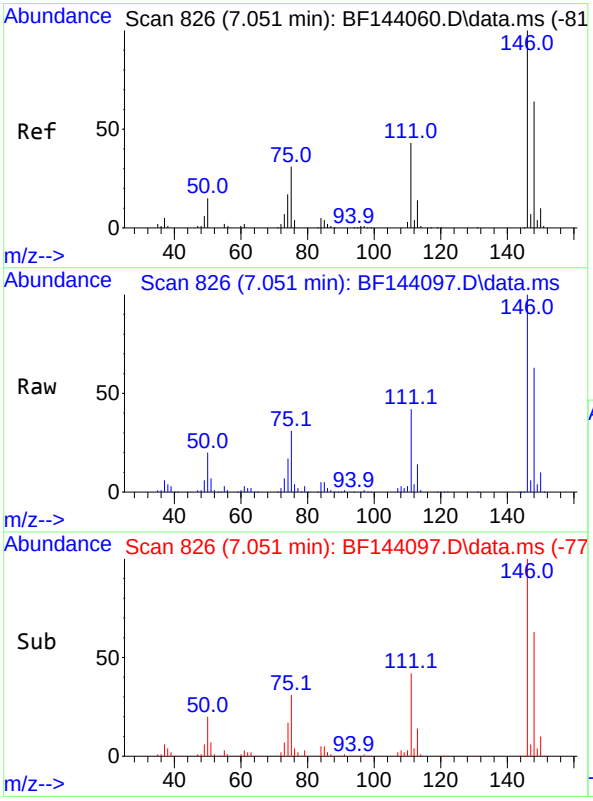
#13
1,4-Dichlorobenzene
Concen: 41.909 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 210959

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.0	76.6
111	41.3	35.0	52.6

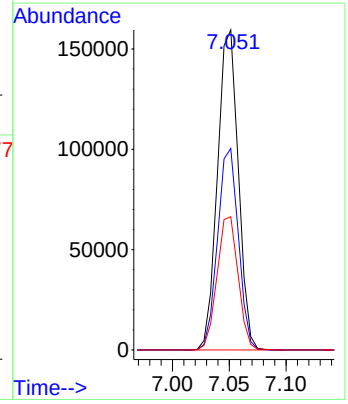


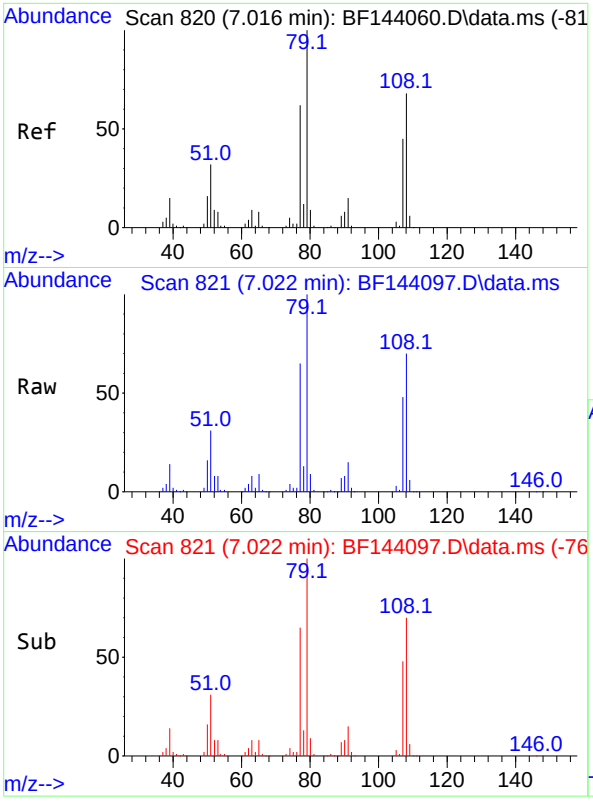


#14
1,2-Dichlorobenzene
Concen: 41.744 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:146 Resp: 203316

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.8	76.2
111	41.6	34.7	52.1



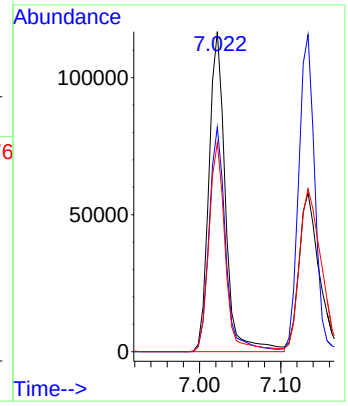


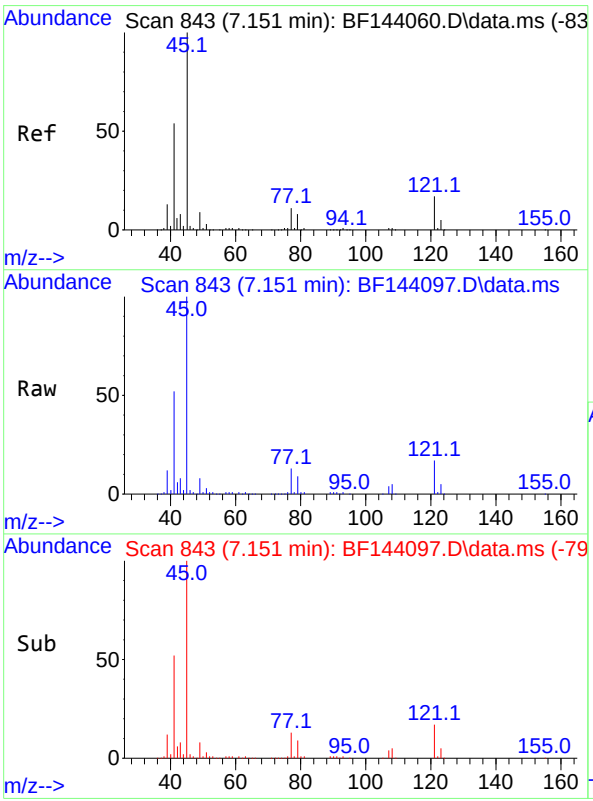
#15
Benzyl Alcohol
Concen: 43.521 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 164325

Ion	Ratio	Lower	Upper
79	100		
108	70.1	54.8	82.2
77	65.3	49.4	74.0

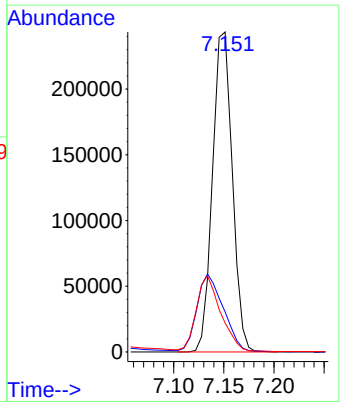


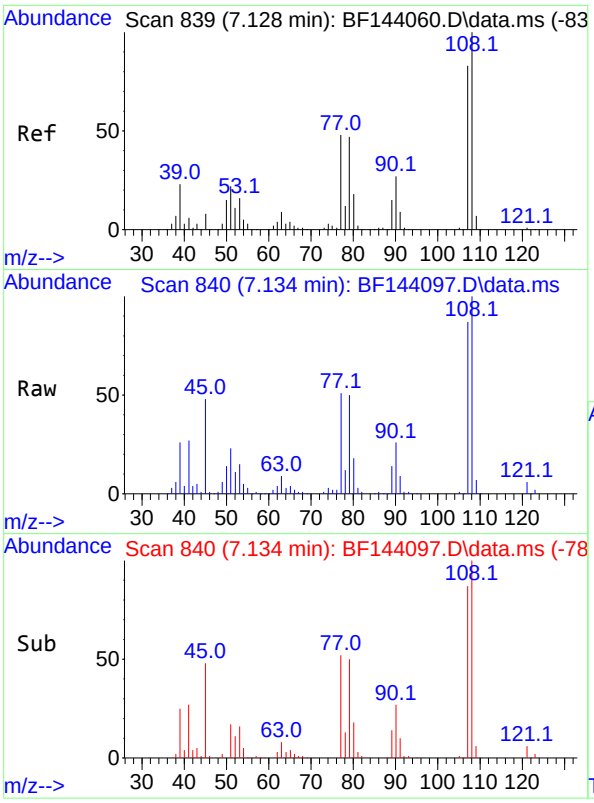


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.966 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 45 Resp: 334275

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	30.9
79	9.1	0.0	28.2



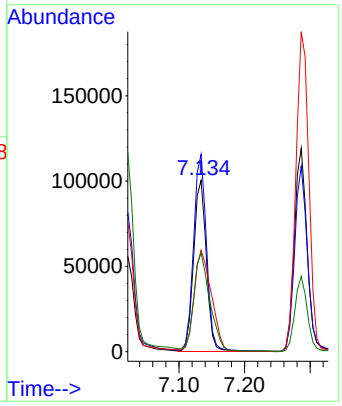


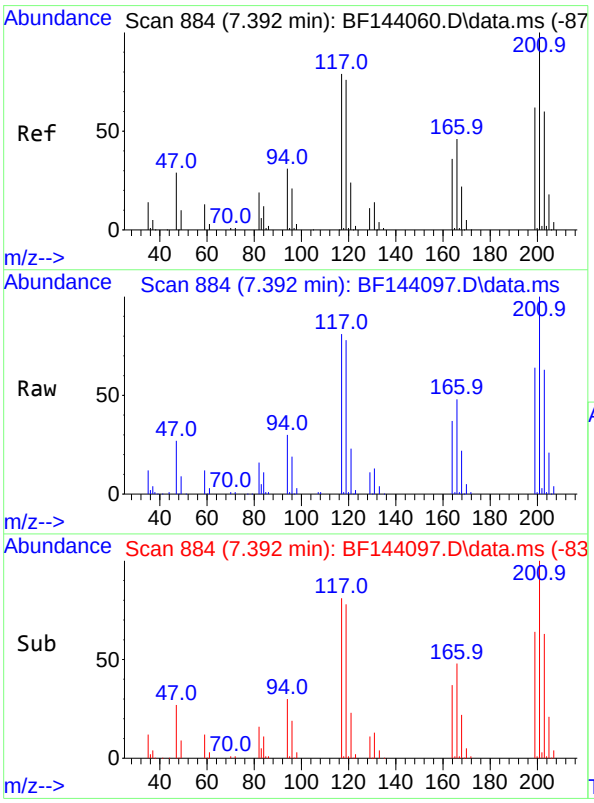
#17
2-Methylphenol
Concen: 42.952 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 136788

Ion	Ratio	Lower	Upper
107	100		
108	115.1	96.4	144.6
77	59.2	46.8	70.2
79	57.6	45.8	68.6

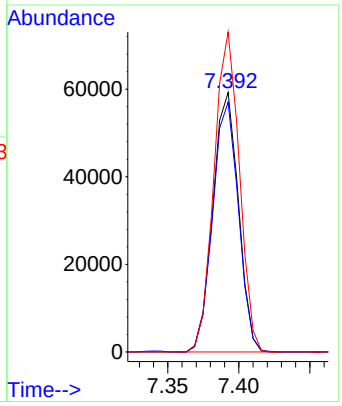


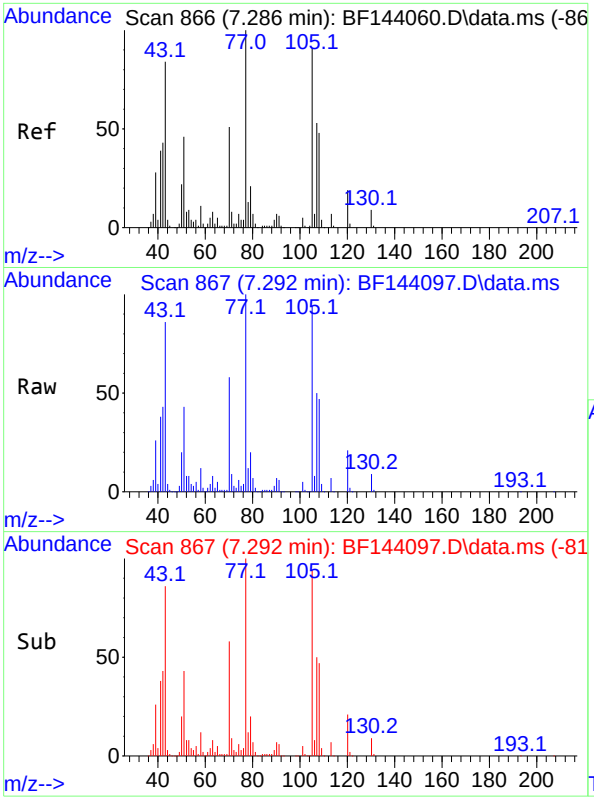


#18
Hexachloroethane
Concen: 41.263 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:117 Resp: 74260

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	115.0
201	123.3	100.9	151.3



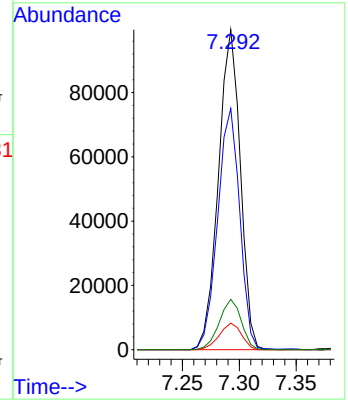


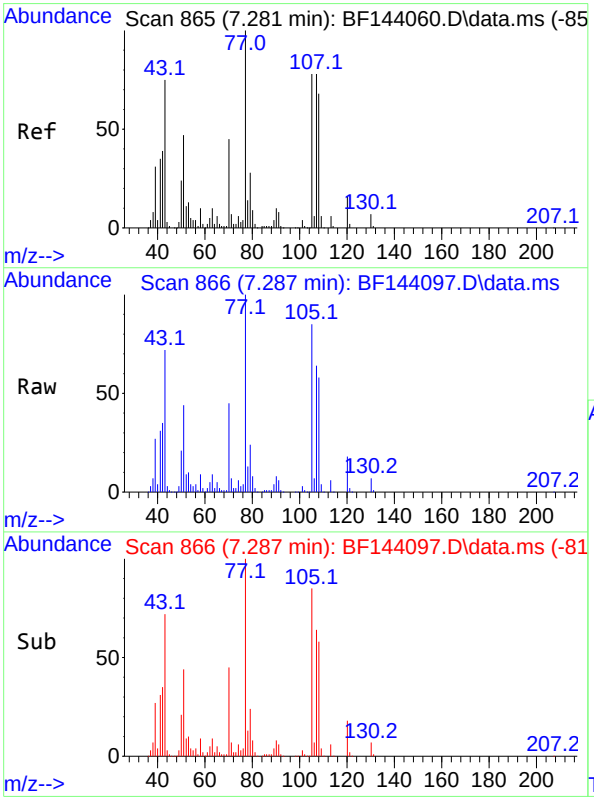
#19
n-Nitroso-di-n-propylamine
Concen: 44.499 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 133622

Ion	Ratio	Lower	Upper
70	100		
42	75.4	67.4	101.0
101	8.3	7.1	10.7
130	15.7	13.5	20.3

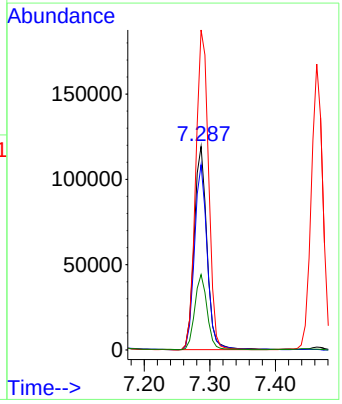


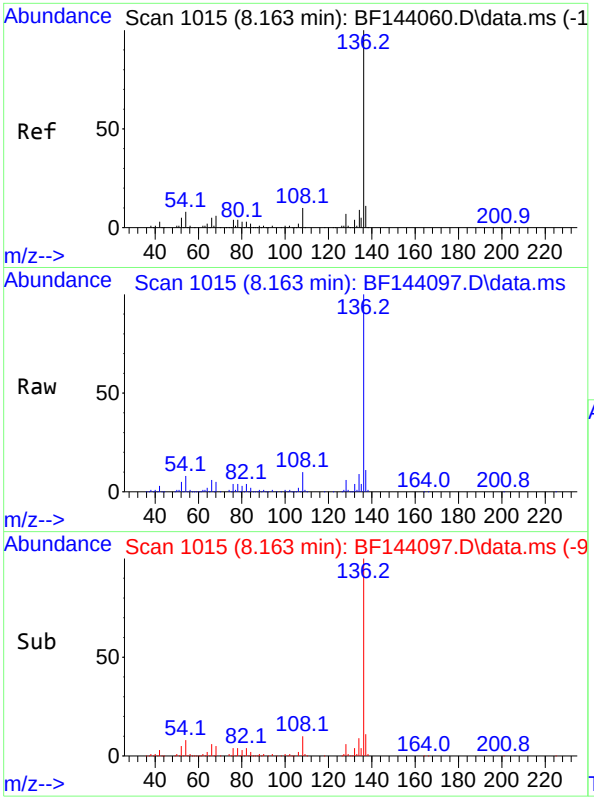


#20
3+4-Methylphenols
Concen: 42.964 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:107 Resp: 161750

Ion	Ratio	Lower	Upper
107	100		
108	91.0	68.0	108.0
77	157.2	108.7	148.7#
79	37.0	16.7	56.7



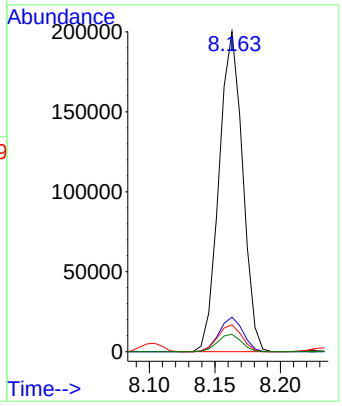


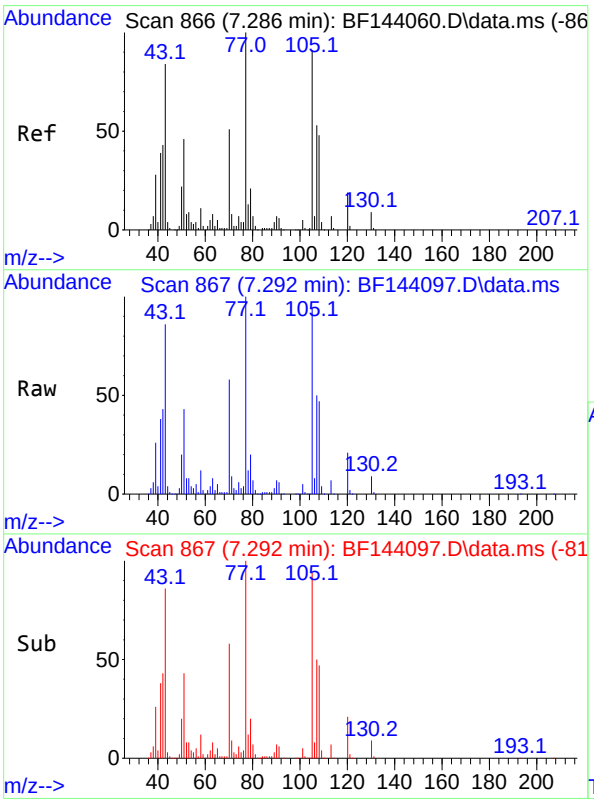
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 250146

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	9.8
68	5.4	4.6	6.8

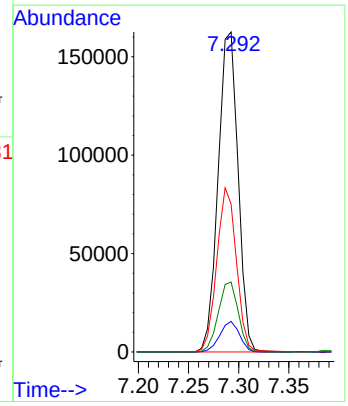


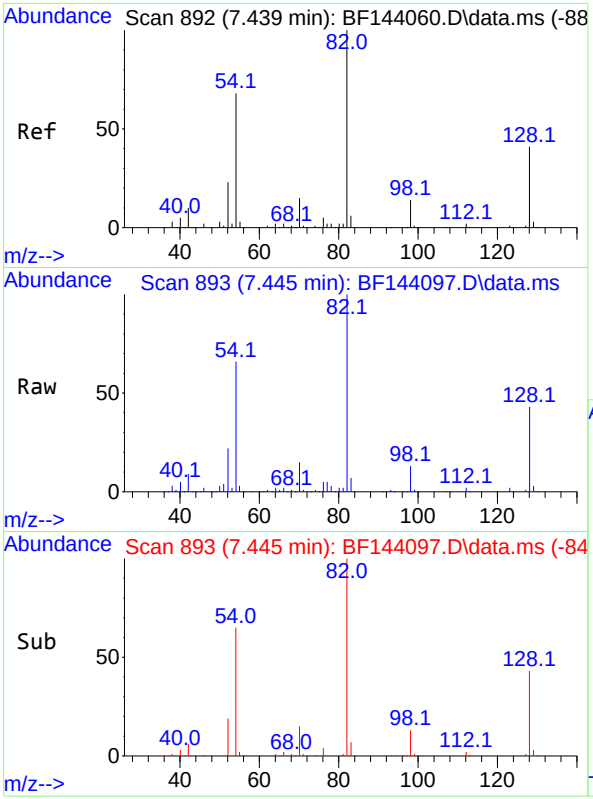


#22
Acetophenone
Concen: 41.609 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:105 Resp: 224937

Ion	Ratio	Lower	Upper
105	100		
71	9.6	6.9	10.3
51	46.2	40.6	60.8
120	21.9	16.8	25.2



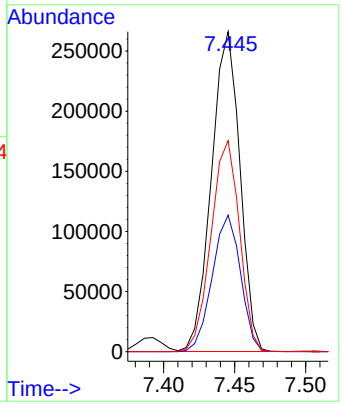


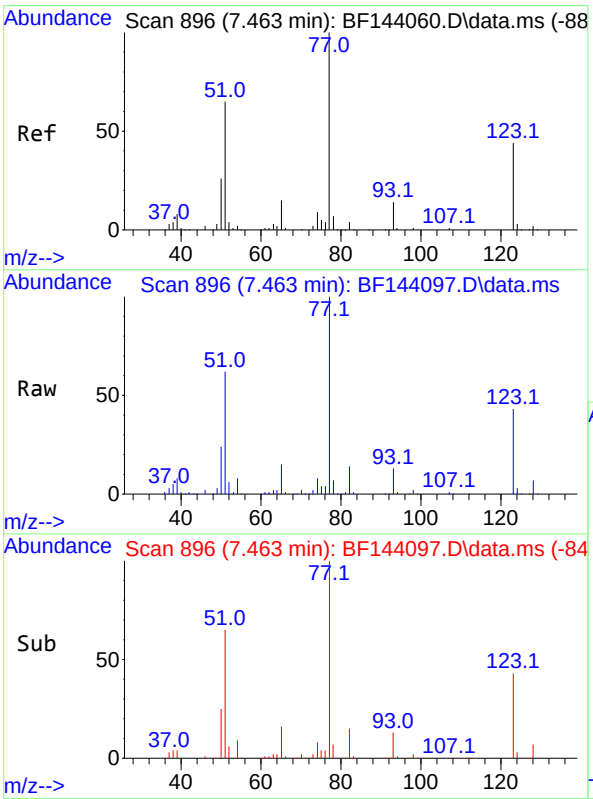
#23
Nitrobenzene-d5
Concen: 81.285 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 371128

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.4	48.6
54	66.0	54.0	81.0

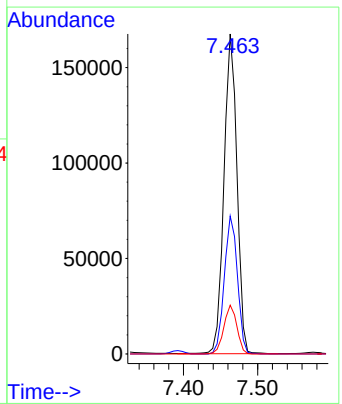


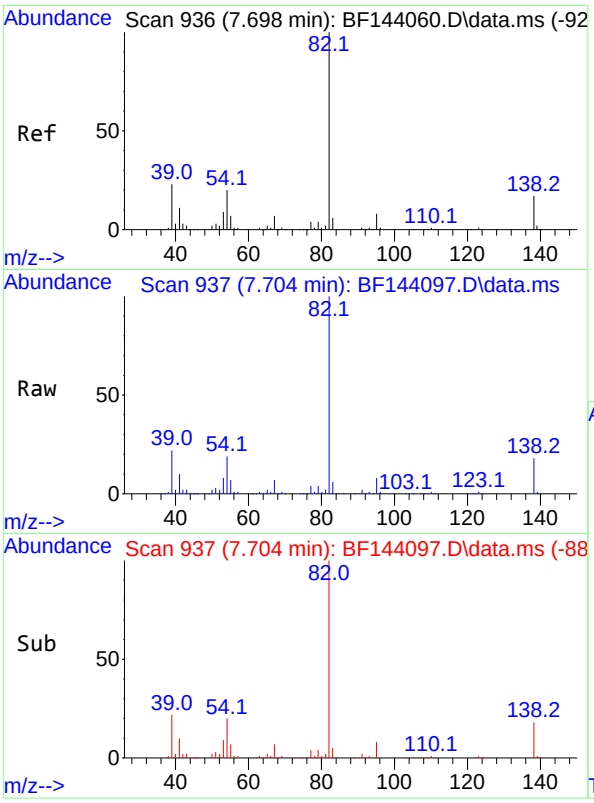


#24
Nitrobenzene
Concen: 42.287 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 77 Resp: 204243

Ion	Ratio	Lower	Upper
77	100		
123	43.1	35.0	52.6
65	15.3	12.2	18.2



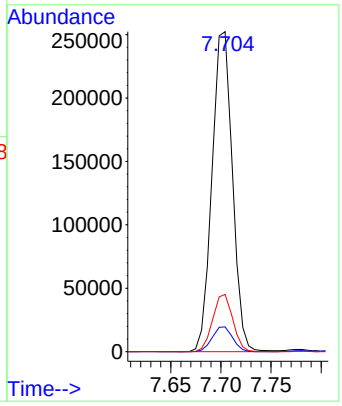


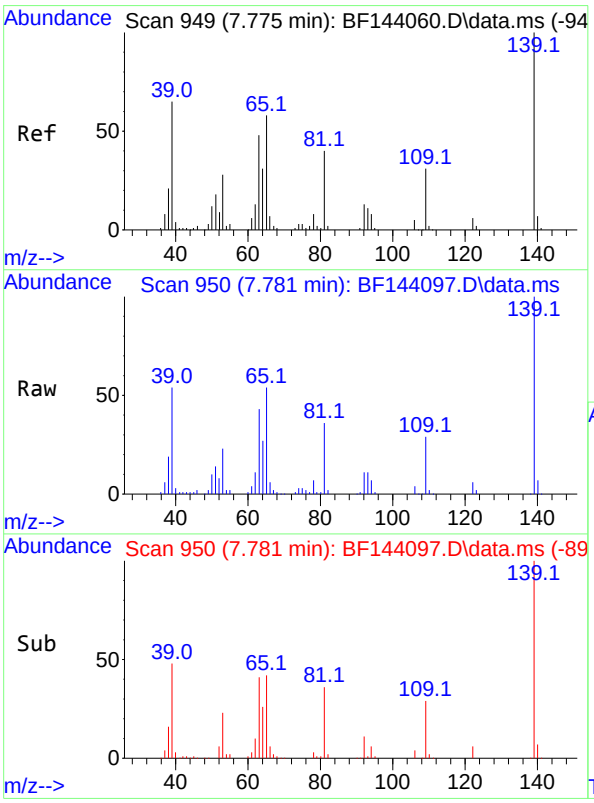
#25
Isophorone
Concen: 44.766 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 357344

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.6	9.8
138	17.9	13.8	20.8

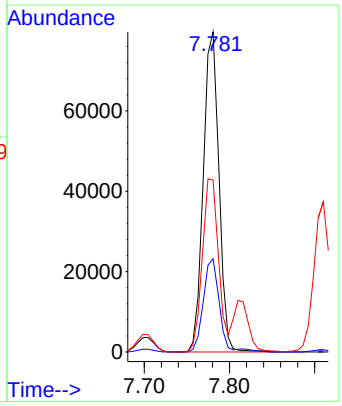


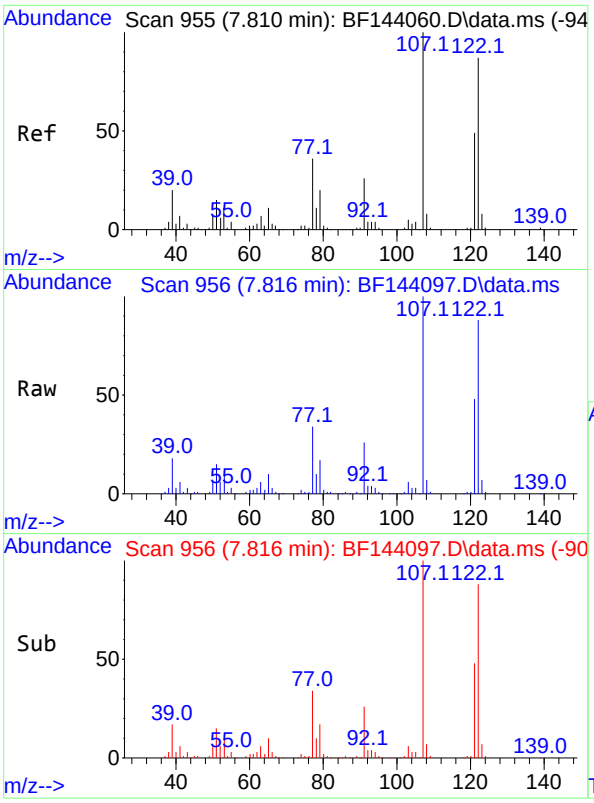


#26
2-Nitrophenol
Concen: 44.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:139 Resp: 101537

Ion	Ratio	Lower	Upper
139	100		
109	29.1	24.6	37.0
65	53.7	46.6	69.8



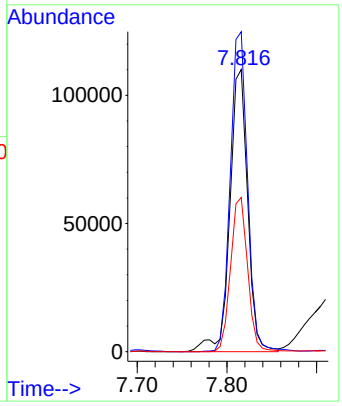


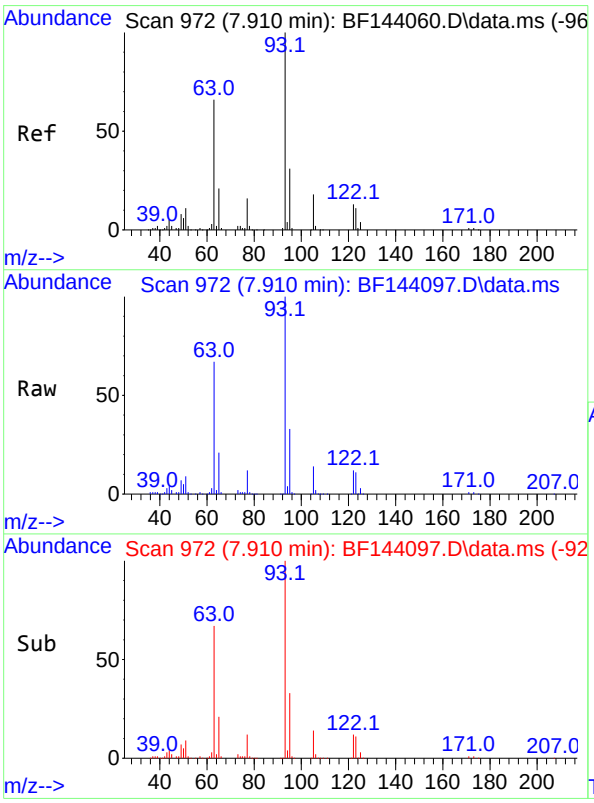
#27
2,4-Dimethylphenol
Concen: 44.467 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 151833

Ion	Ratio	Lower	Upper
122	100		
107	113.4	91.8	137.8
121	54.7	45.2	67.8

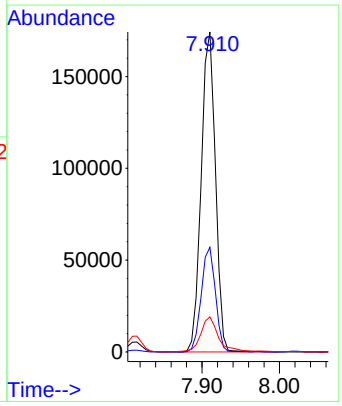


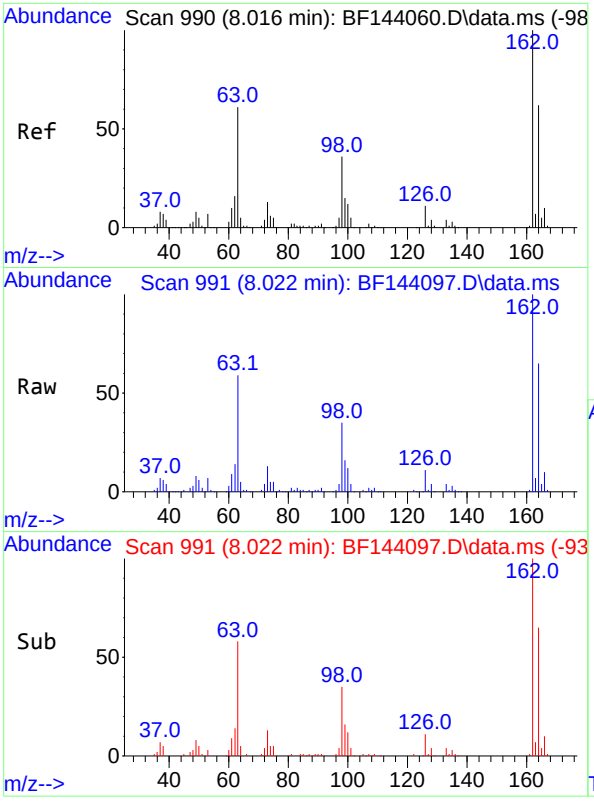


#28
bis(2-Chloroethoxy)methane
Concen: 44.670 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 93 Resp: 222369

Ion	Ratio	Lower	Upper
93	100		
95	32.7	24.6	36.8
123	10.9	9.1	13.7



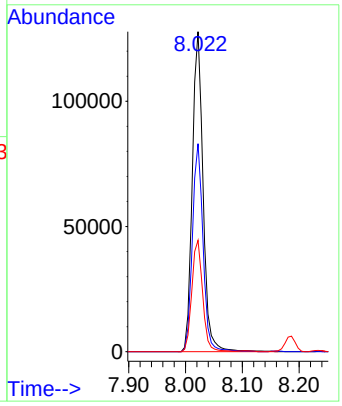


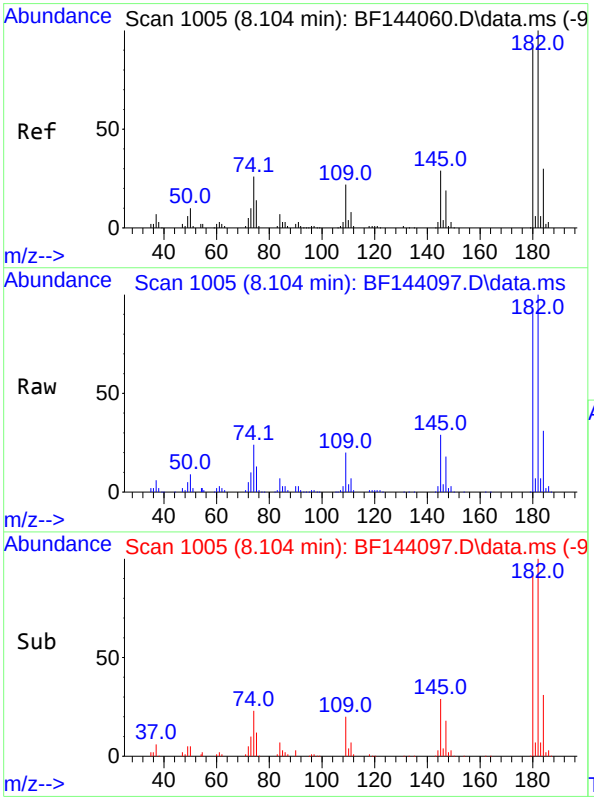
#29
2,4-Dichlorophenol
Concen: 42.625 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 169254

Ion	Ratio	Lower	Upper
162	100		
164	65.0	42.1	82.1
98	34.8	16.0	56.0

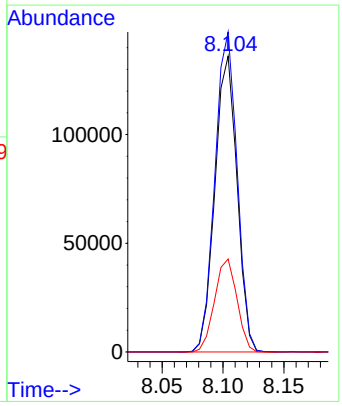


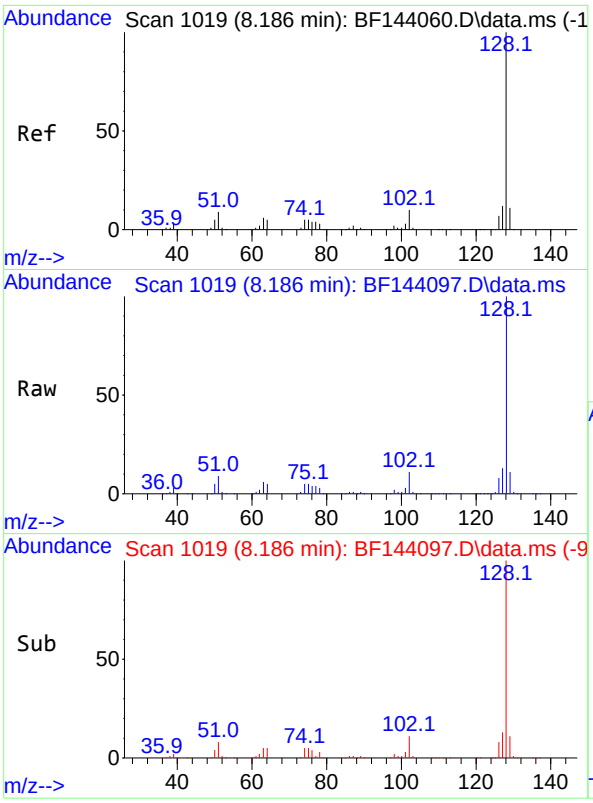


#30
1,2,4-Trichlorobenzene
Concen: 42.262 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:180 Resp: 172640

Ion	Ratio	Lower	Upper
180	100		
182	108.2	87.1	130.7
145	31.4	25.3	37.9



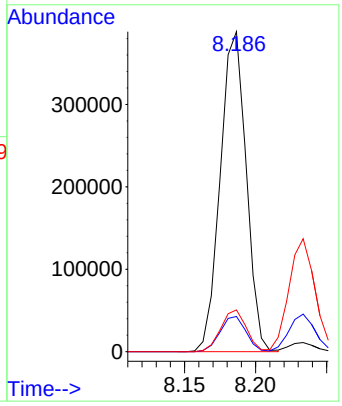


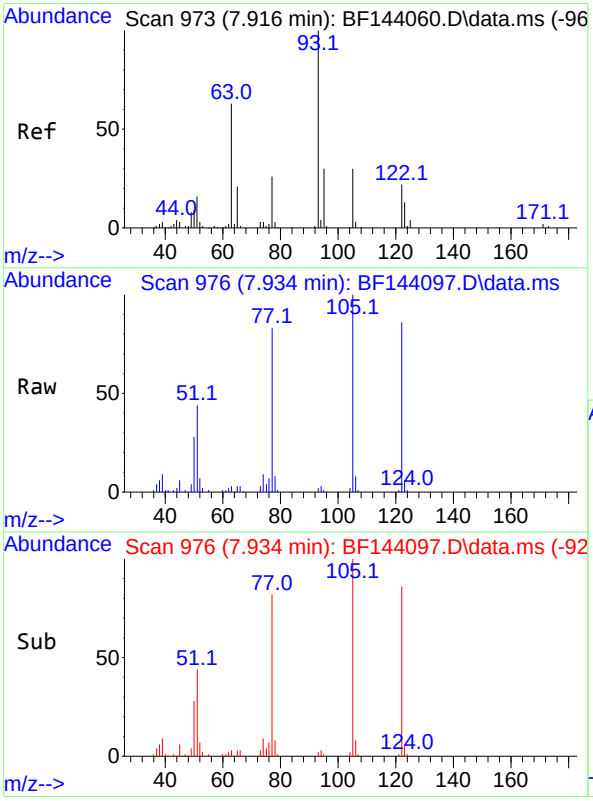
#31
Naphthalene
Concen: 41.811 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 493628

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.0	9.9	14.9

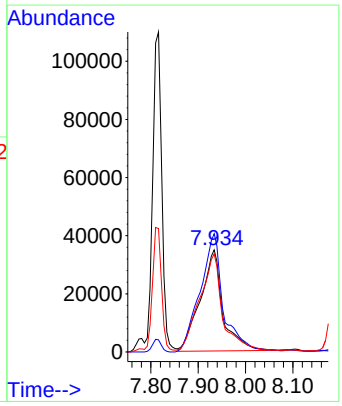


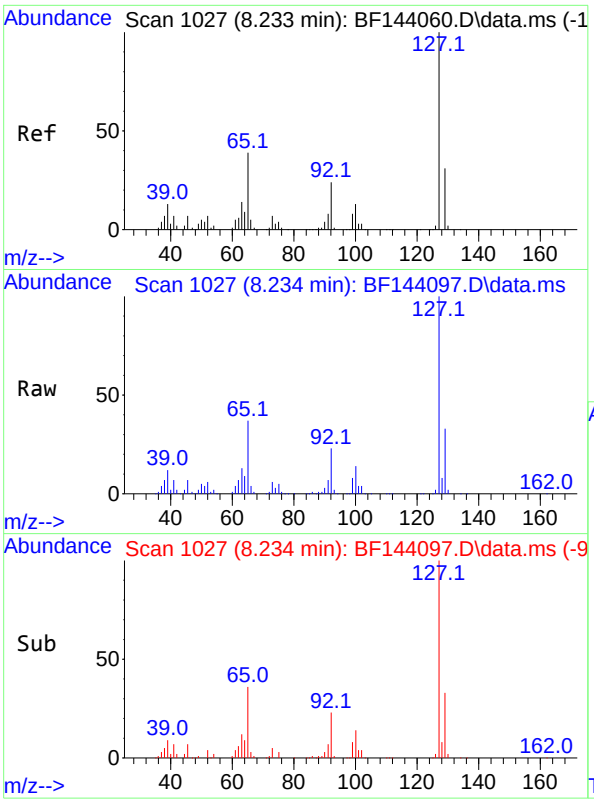


#32
Benzoic acid
Concen: 53.198 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.018 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:122 Resp: 115219

Ion	Ratio	Lower	Upper
122	100		
105	115.8	111.3	151.3
77	96.1	96.7	136.7#



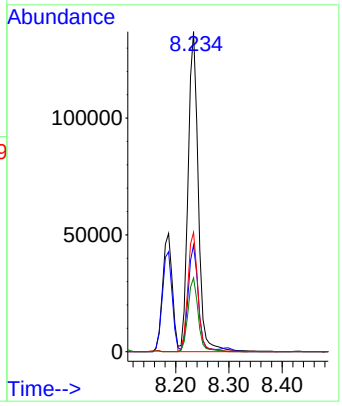


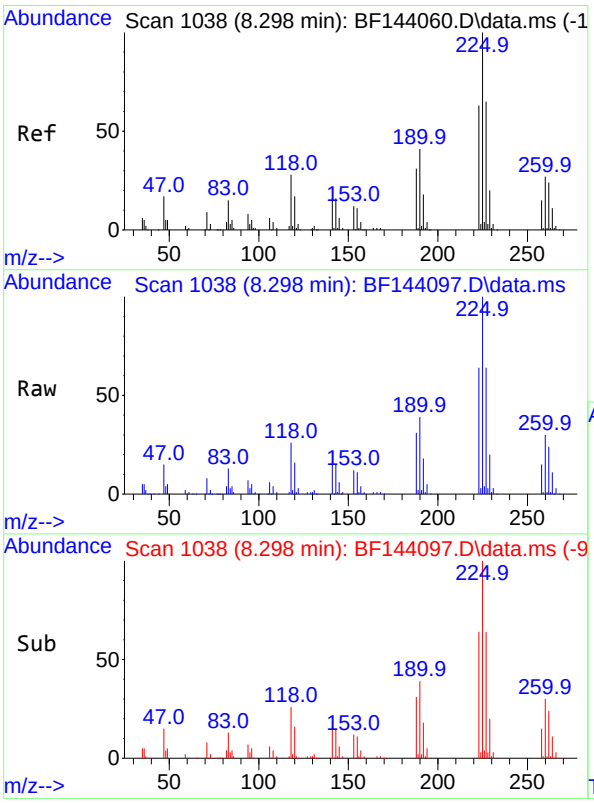
#33
4-Chloroaniline
Concen: 44.308 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 182107

Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.6	38.4
65	37.3	30.9	46.3
92	23.1	18.9	28.3

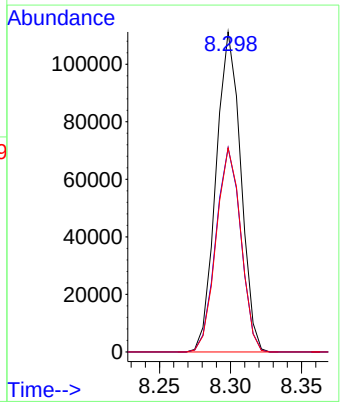


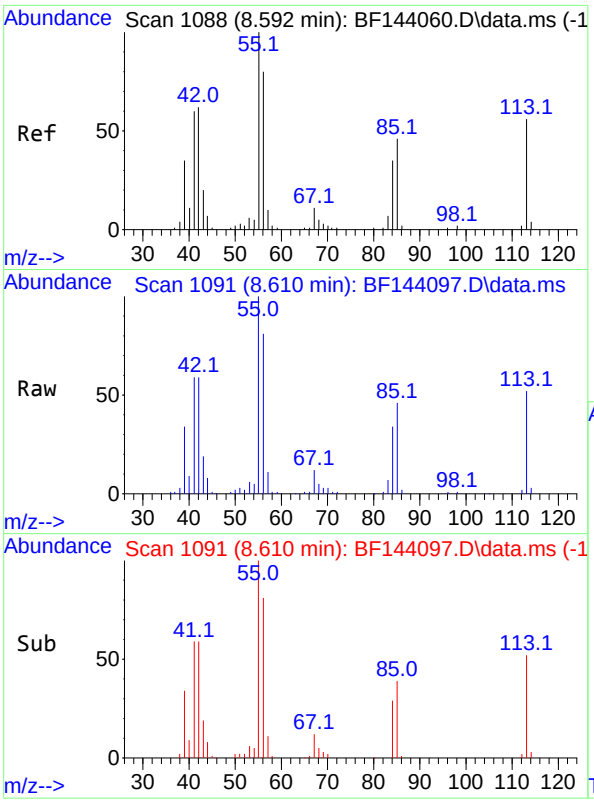


#34
Hexachlorobutadiene
Concen: 40.361 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:225 Resp: 134816

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	63.8	51.8	77.8



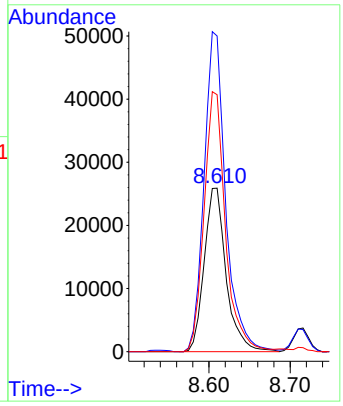


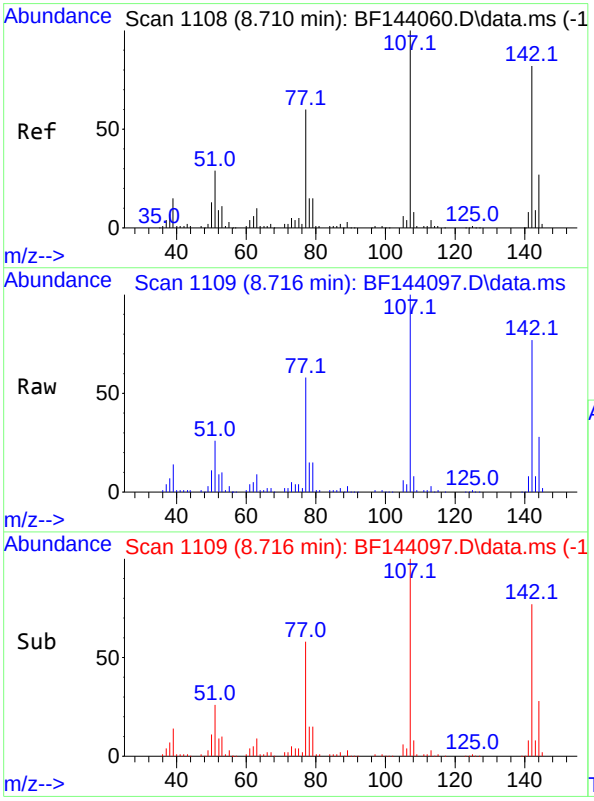
#35
Caprolactam
Concen: 48.802 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 48594

Ion	Ratio	Lower	Upper
113	100		
55	193.0	160.1	200.1
56	157.1	124.9	164.9

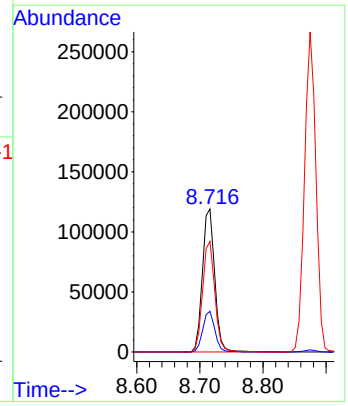


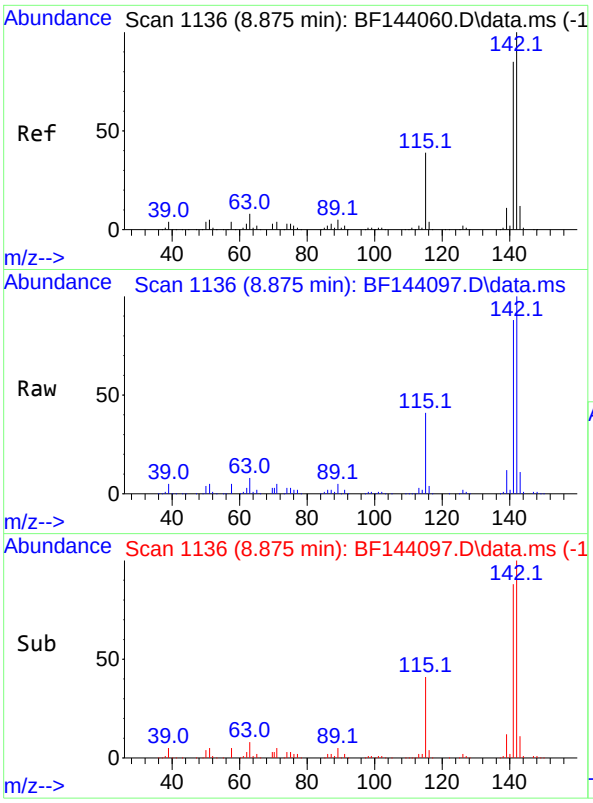


#36
4-Chloro-3-methylphenol
Concen: 46.014 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:107 Resp: 161239

Ion	Ratio	Lower	Upper
107	100		
144	28.4	21.6	32.4
142	77.3	65.4	98.0



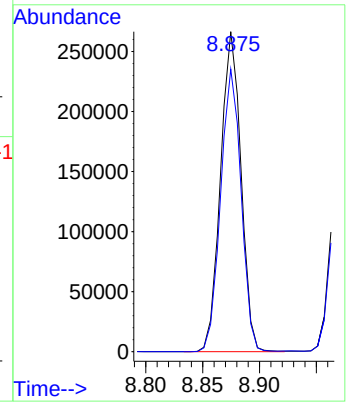


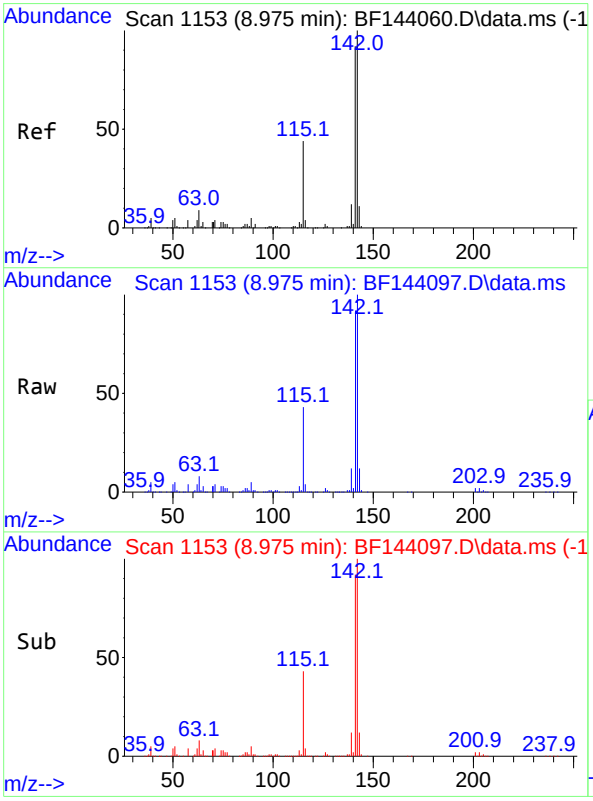
#37
2-Methylnaphthalene
Concen: 42.835 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 333422

Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.6	101.4

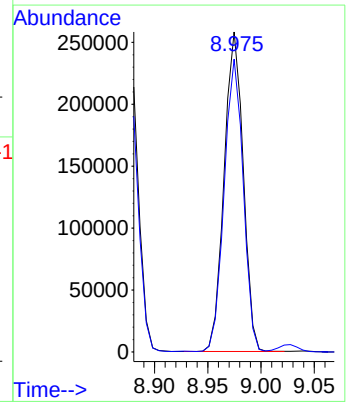


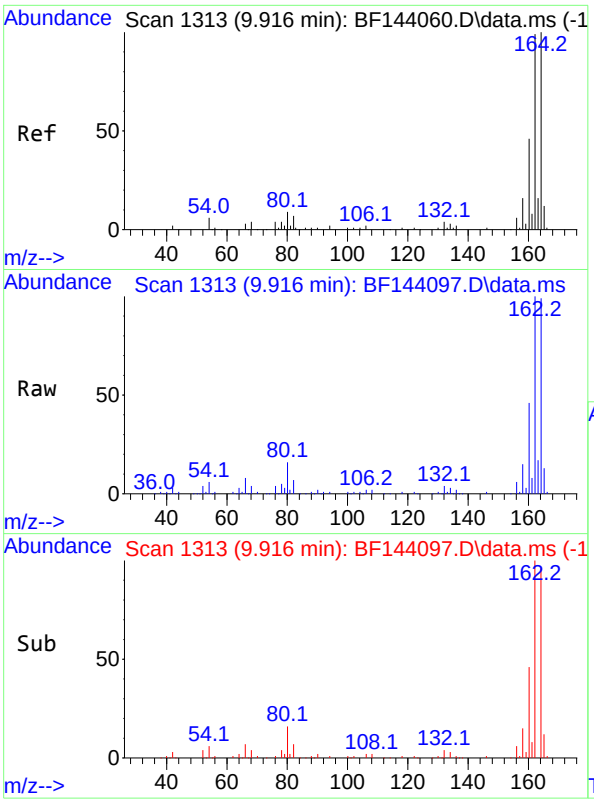


#38
1-Methylnaphthalene
Concen: 43.513 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:142 Resp: 320892

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2



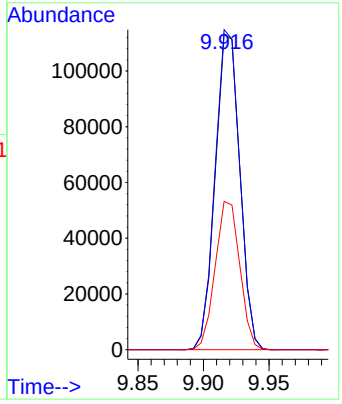


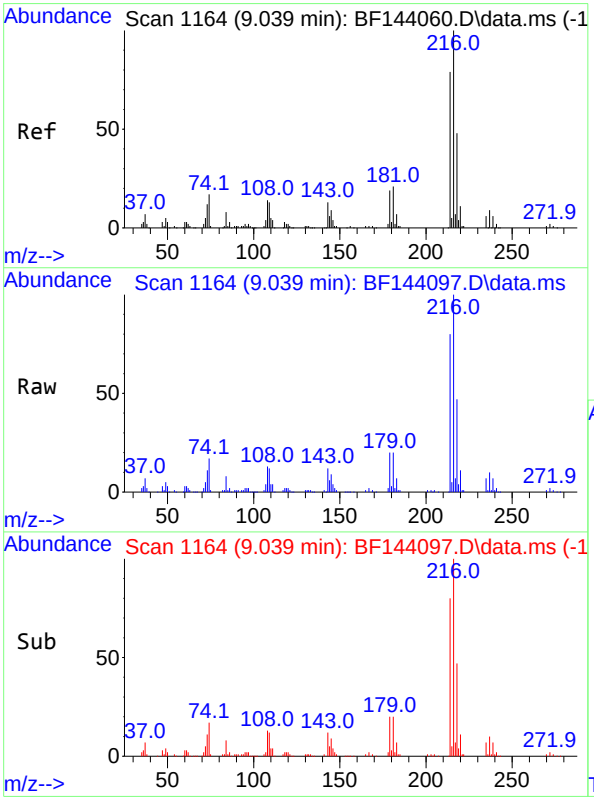
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 147935

Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.4	119.2
160	47.0	36.7	55.1

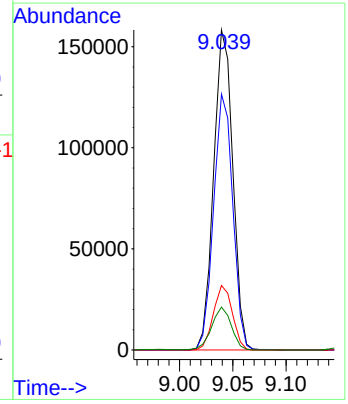


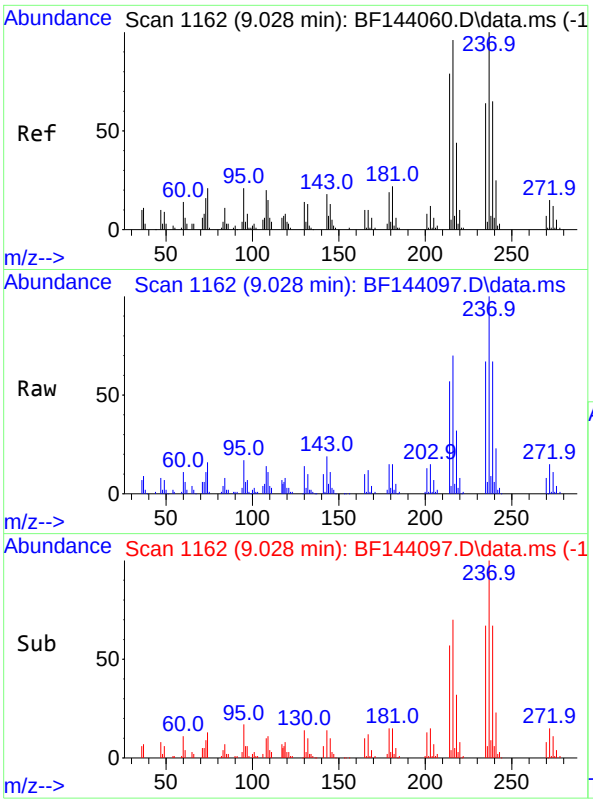


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.859 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:216 Resp: 197569

Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.2	94.8
179	20.0	15.2	22.8
108	13.8	11.9	17.9



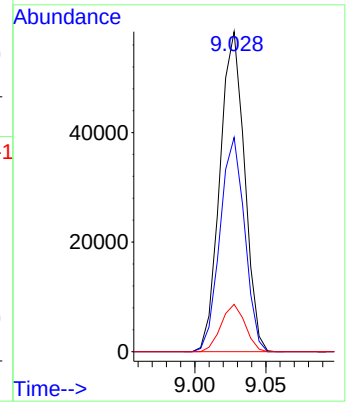


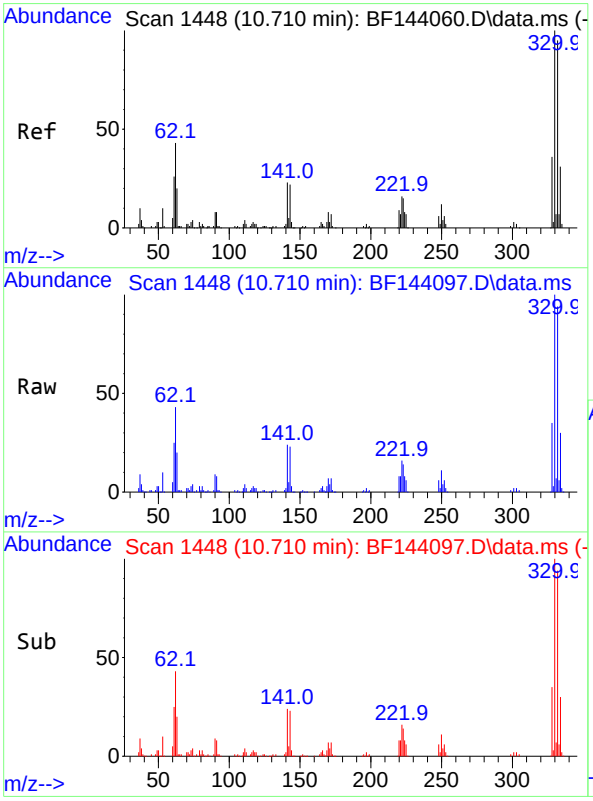
#41
Hexachlorocyclopentadiene
Concen: 44.760 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 70289

Ion	Ratio	Lower	Upper
237	100		
235	66.9	44.3	84.3
272	14.8	0.0	35.2

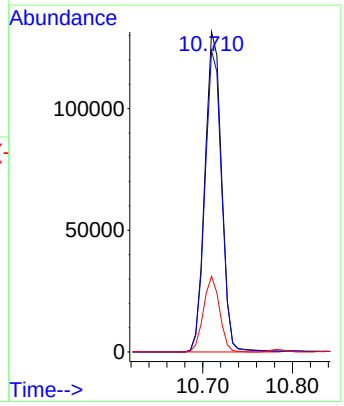


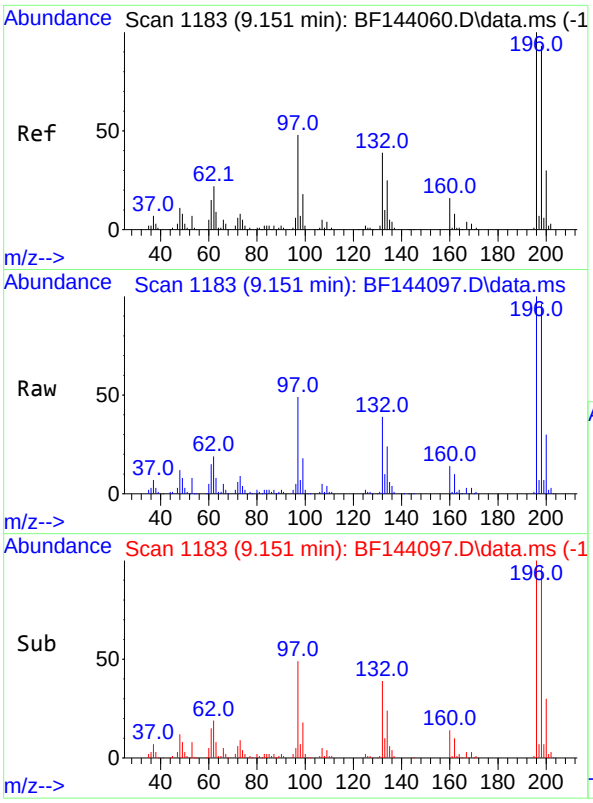


#42
2,4,6-Tribromophenol
Concen: 90.002 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:330 Resp: 169601

Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	22.8	19.4	29.0



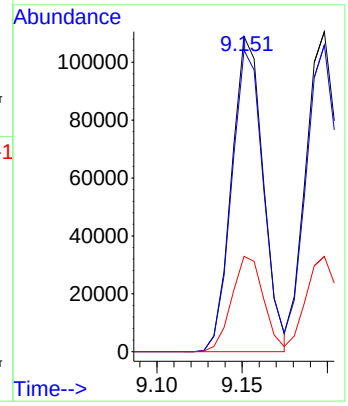


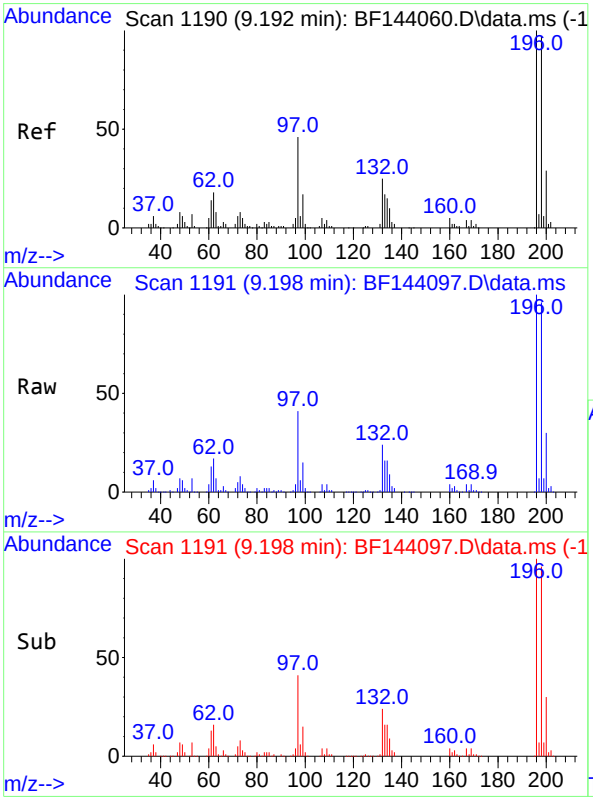
#43
2,4,6-Trichlorophenol
Concen: 42.418 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 140181

Ion	Ratio	Lower	Upper
196	100		
198	95.6	74.4	111.6
200	30.2	23.8	35.8

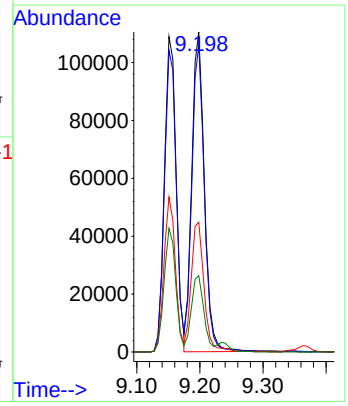


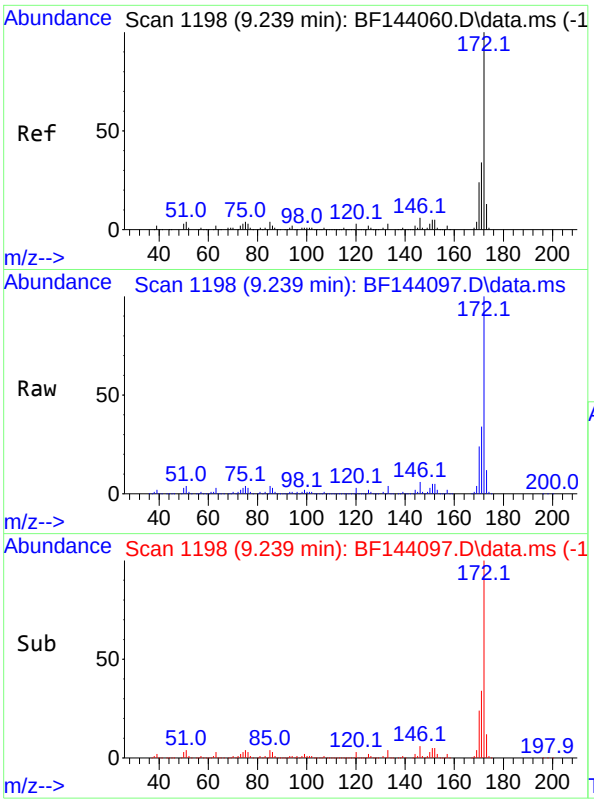


#44
2,4,5-Trichlorophenol
Concen: 44.519 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:196 Resp: 154404

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.0	117.0
97	40.6	37.7	56.5
132	23.8	20.2	30.4



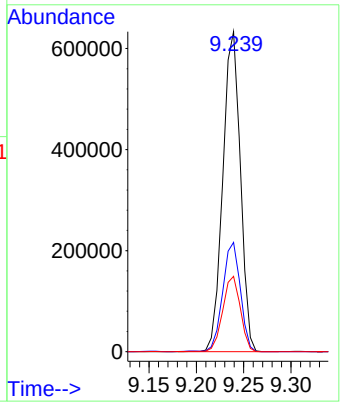


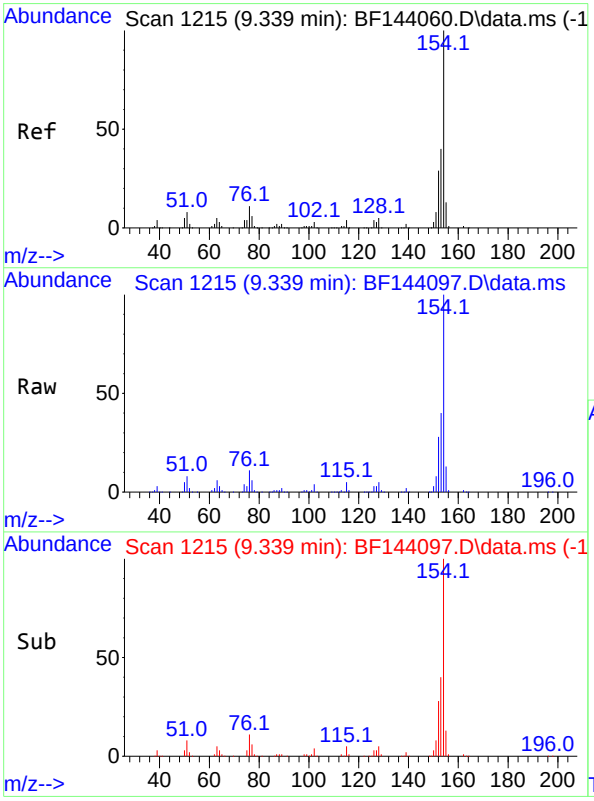
#45
2-Fluorobiphenyl
Concen: 77.635 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 816145

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.5	41.3
170	23.5	19.0	28.6

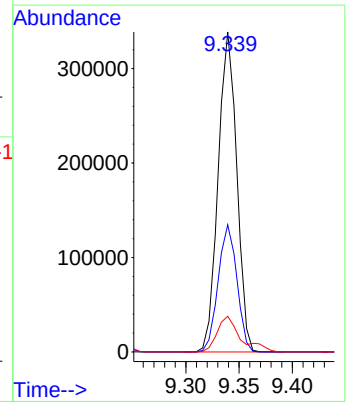


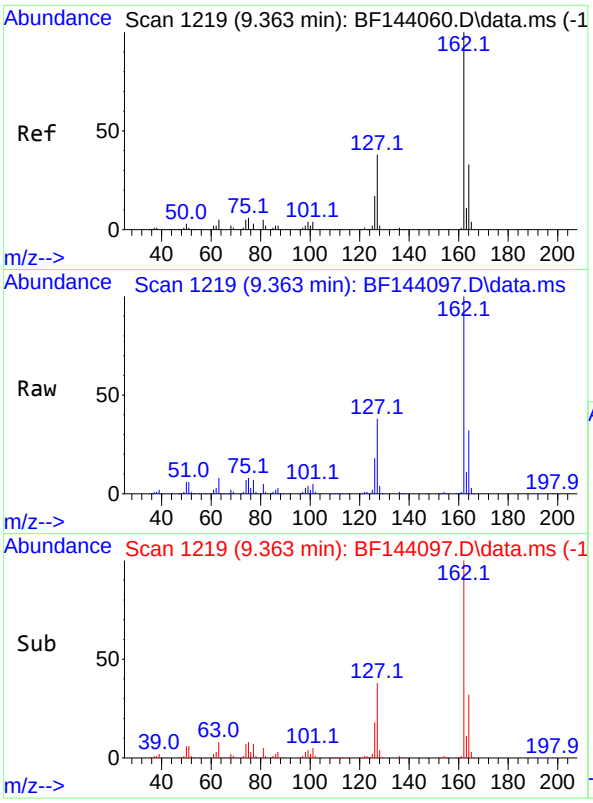


#46
1,1'-Biphenyl
Concen: 38.873 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:154 Resp: 411658

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.7	59.7
76	11.1	0.0	31.1



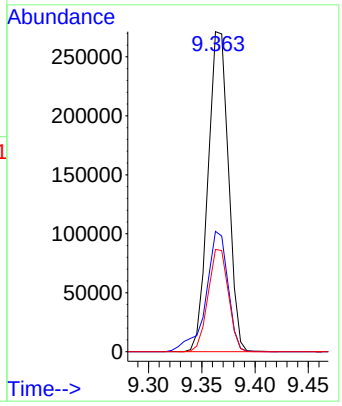


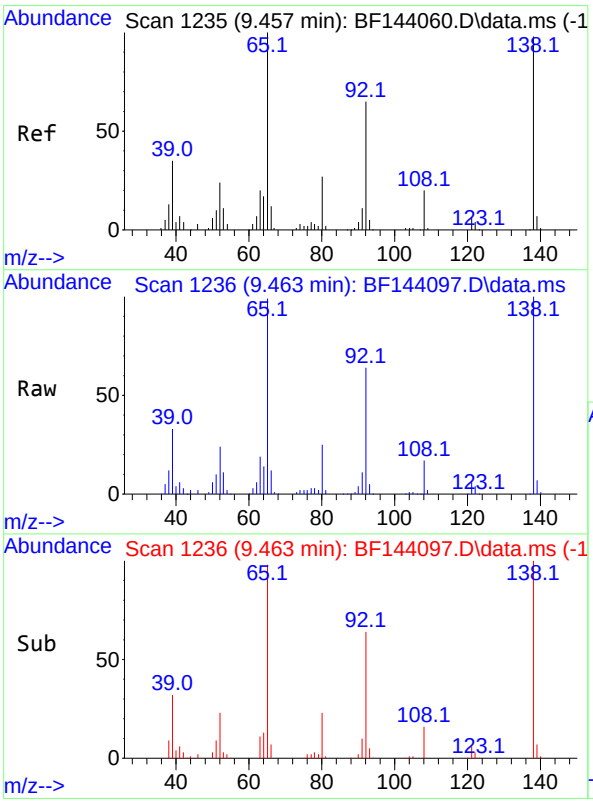
#47
2-Chloronaphthalene
Concen: 40.627 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 360439

Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.6	47.4
164	32.0	26.5	39.7

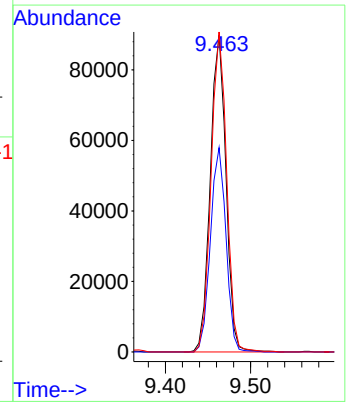


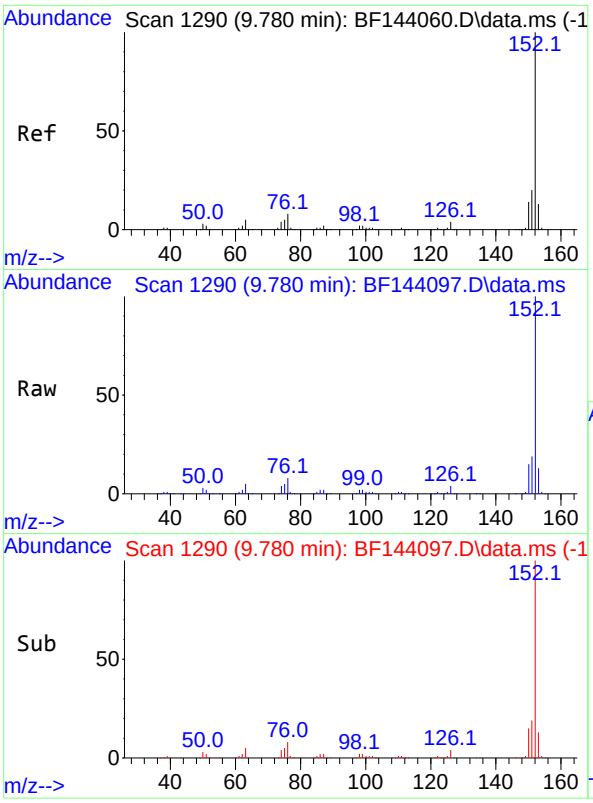


#48
2-Nitroaniline
Concen: 43.622 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 65 Resp: 114922

Ion	Ratio	Lower	Upper
65	100		
92	64.5	52.3	78.5
138	101.0	78.3	117.5



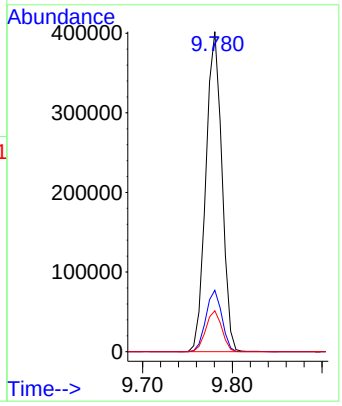


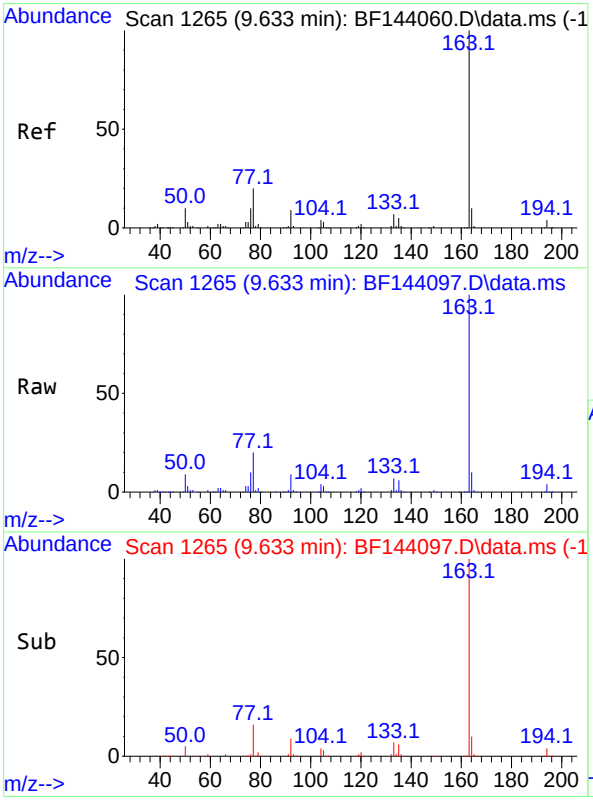
#49
Acenaphthylene
Concen: 41.661 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 498378

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.8	10.4	15.6

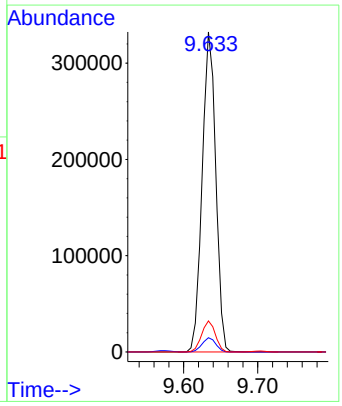


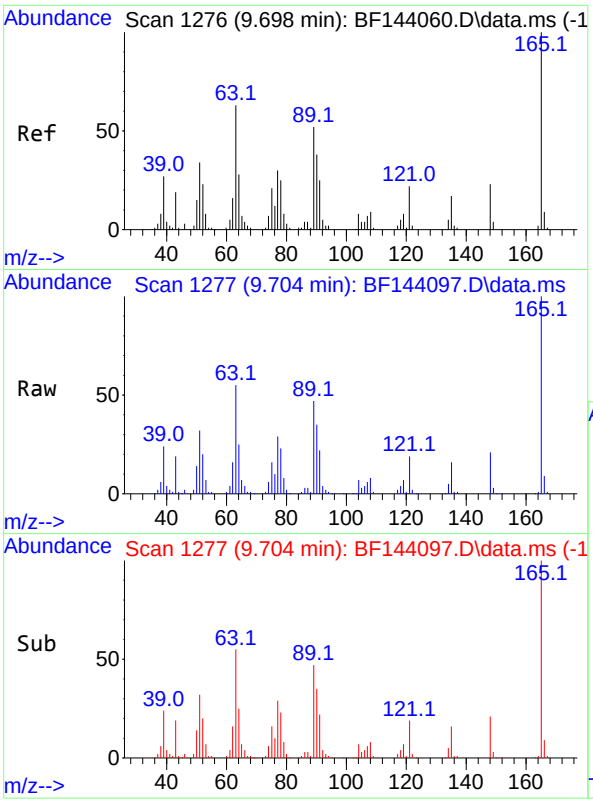


#50
Dimethylphthalate
Concen: 43.685 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:163 Resp: 423610

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.7	7.8	11.8



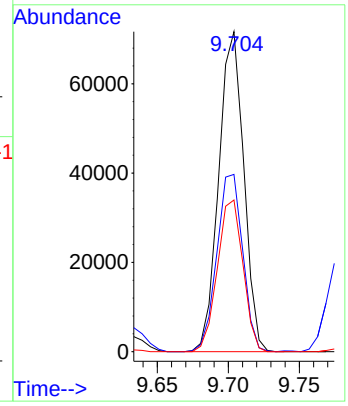


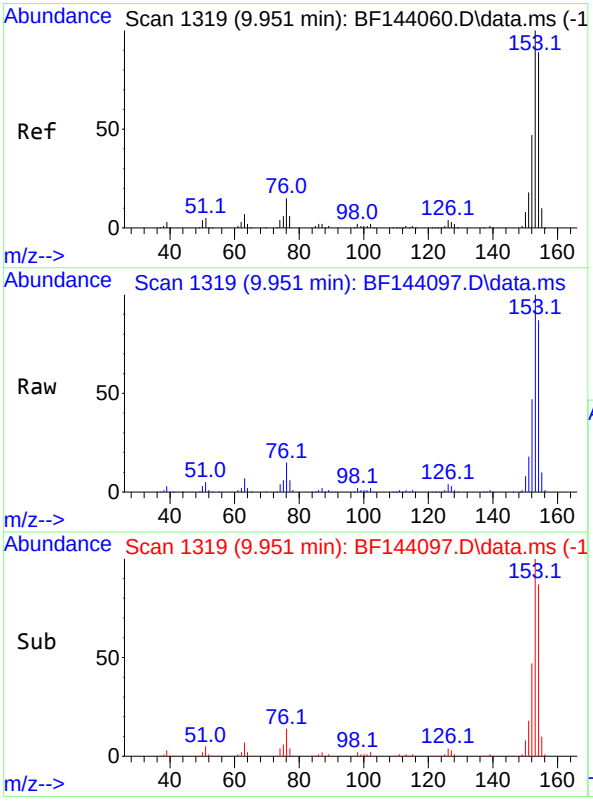
#51
2,6-Dinitrotoluene
Concen: 45.846 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 87885

Ion	Ratio	Lower	Upper
165	100		
63	55.4	50.4	75.6
89	47.4	41.4	62.2

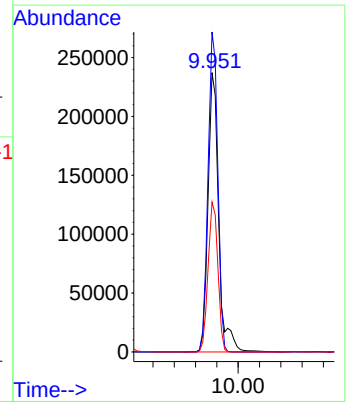


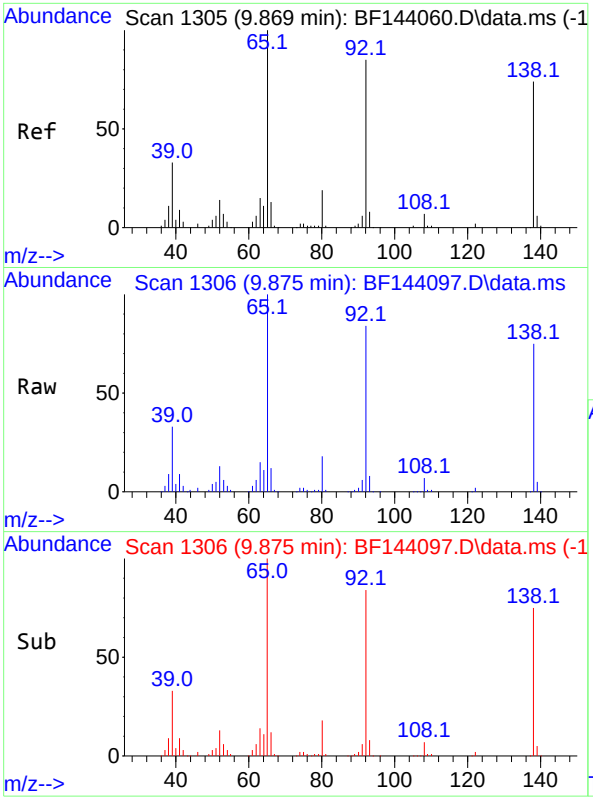


#52
Acenaphthene
Concen: 41.127 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:154 Resp: 328569

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.9	134.9
152	53.7	42.0	63.0



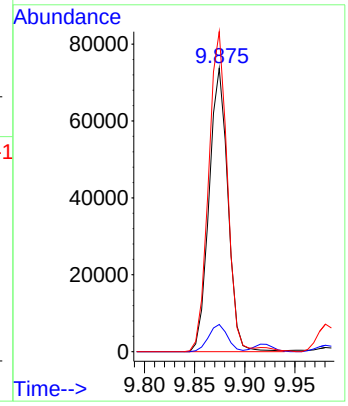


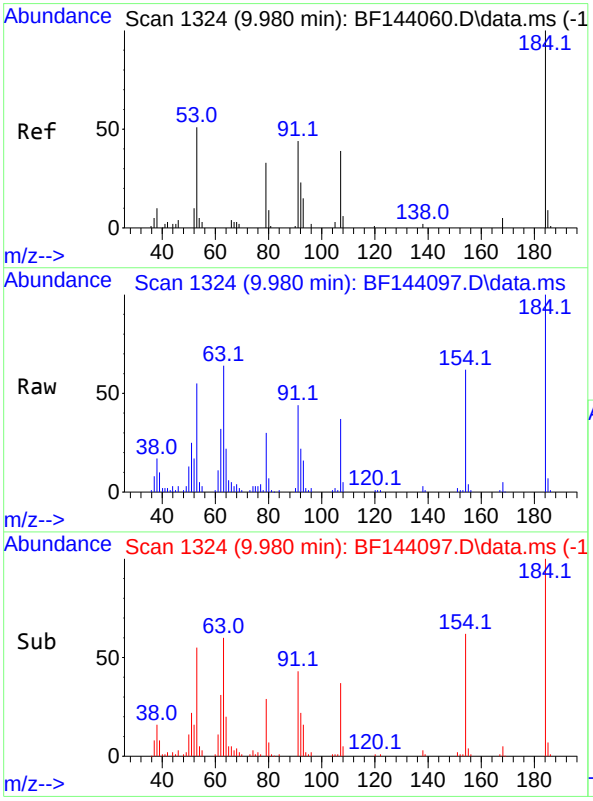
#53
3-Nitroaniline
Concen: 45.229 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 96397

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.9	11.9
92	112.9	92.0	138.0

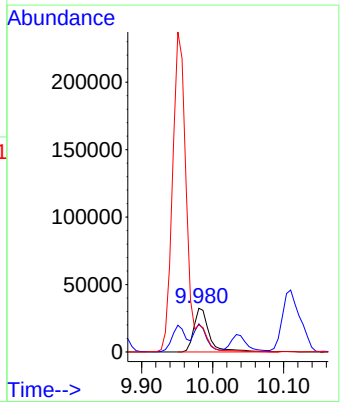


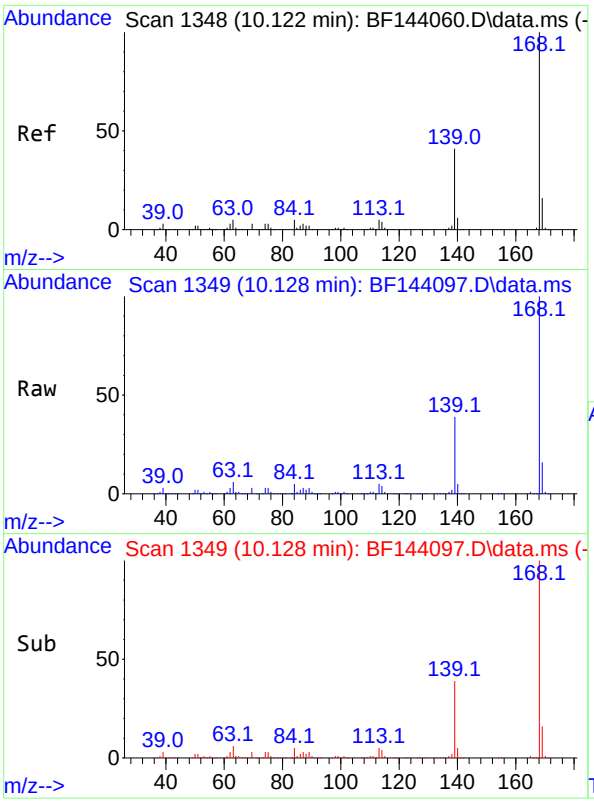


#54
2,4-Dinitrophenol
Concen: 47.423 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:184 Resp: 49169

Ion	Ratio	Lower	Upper
184	100		
63	64.4	52.1	78.1
154	61.9	47.9	71.9



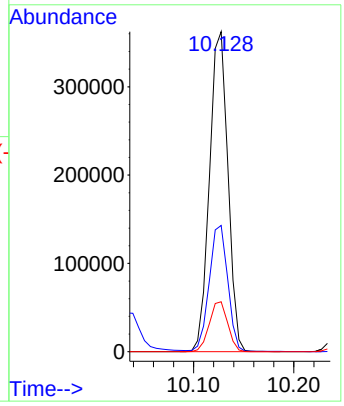


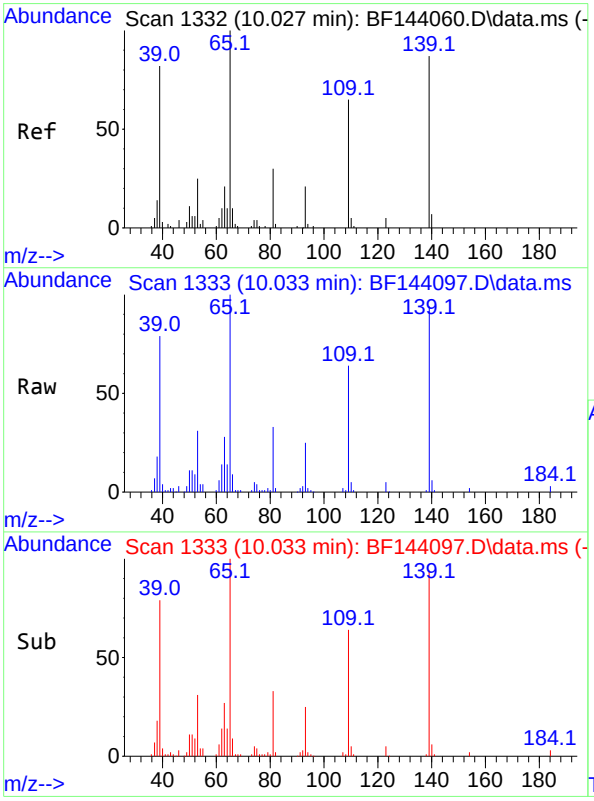
#55
Dibenzofuran
Concen: 41.757 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 463130

Ion	Ratio	Lower	Upper
168	100		
139	39.4	33.2	49.8
169	15.6	12.6	19.0

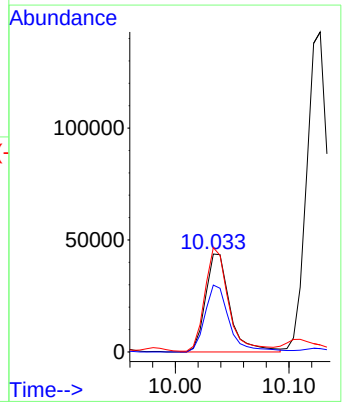


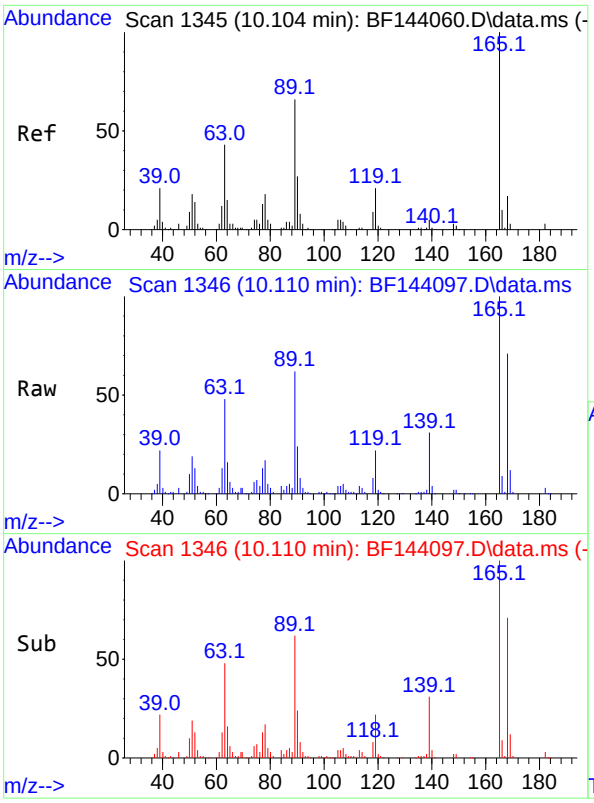


#56
4-Nitrophenol
Concen: 45.329 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:139 Resp: 65421

Ion	Ratio	Lower	Upper
139	100		
109	68.3	53.8	93.8
65	106.5	95.9	135.9



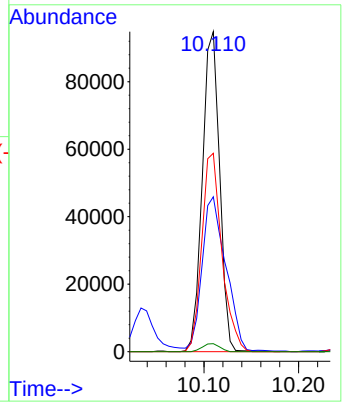


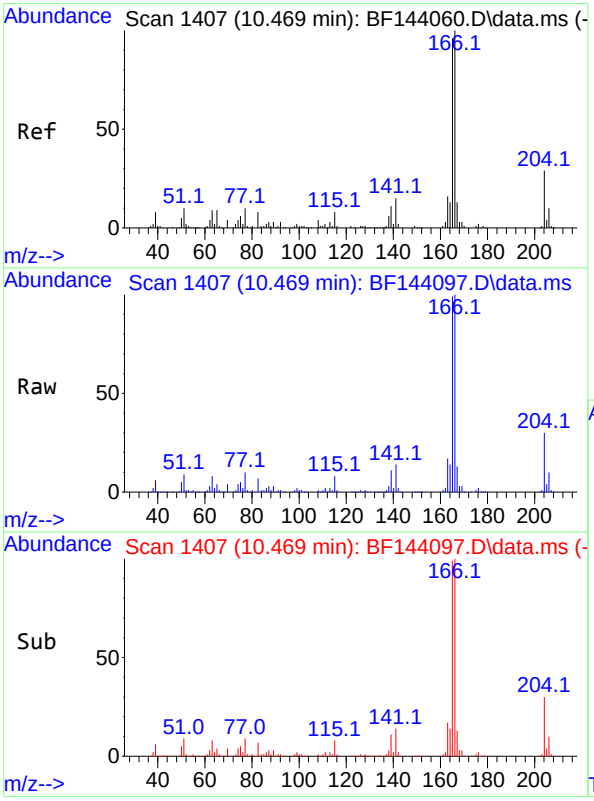
#57
2,4-Dinitrotoluene
Concen: 46.505 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 120319

Ion	Ratio	Lower	Upper
165	100		
63	48.4	35.4	53.2
89	62.0	52.7	79.1
182	2.5	2.3	3.5

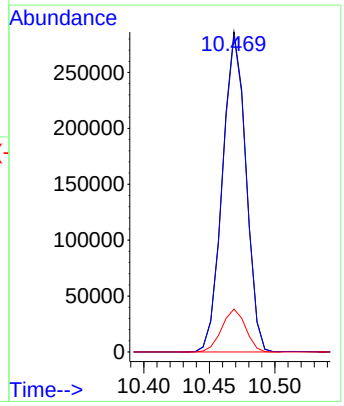


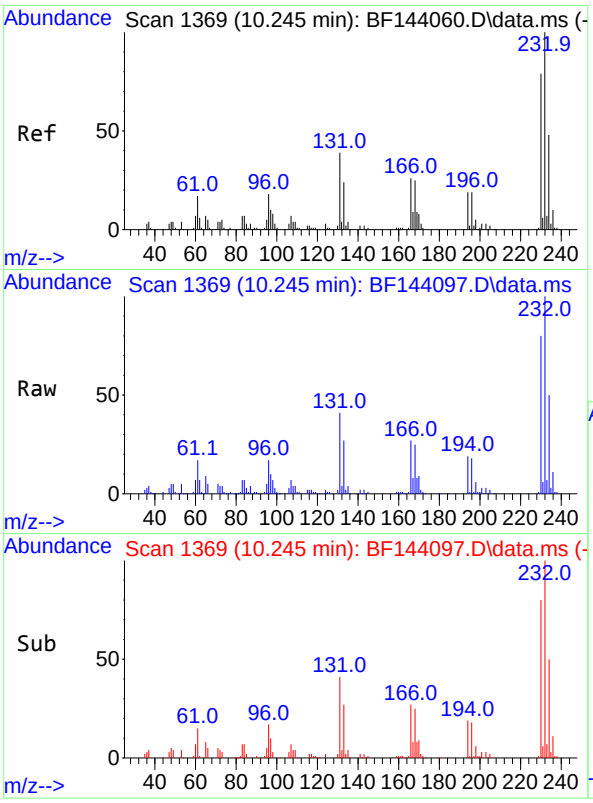


#58
Fluorene
Concen: 42.247 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:166 Resp: 357025

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.0	115.4
167	13.4	10.2	15.4



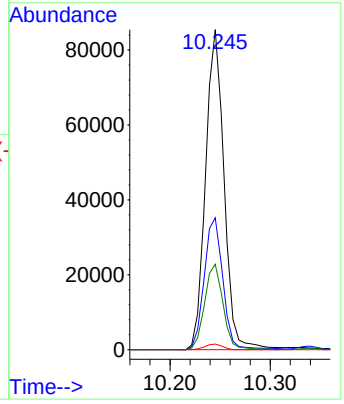


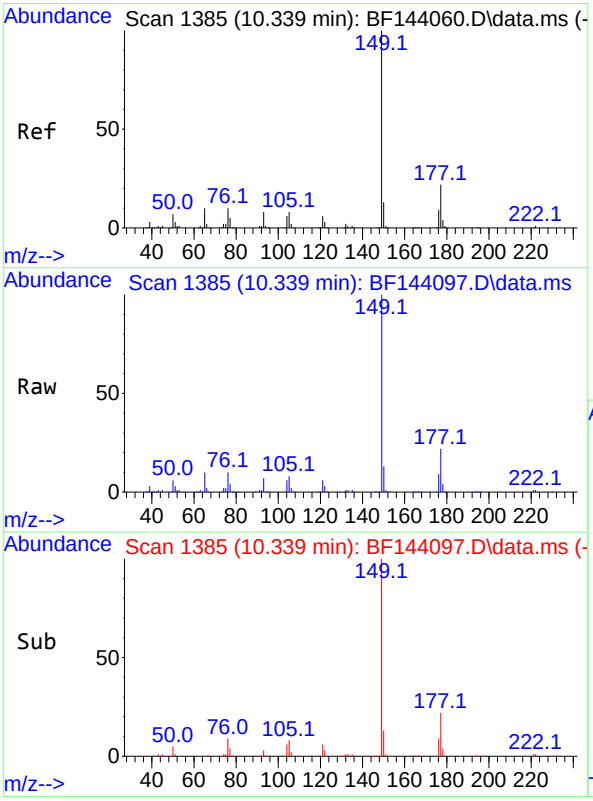
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.002 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 109986

Ion	Ratio	Lower	Upper
232	100		
131	41.7	31.9	47.9
130	1.7	1.1	1.7
166	26.5	21.0	31.4

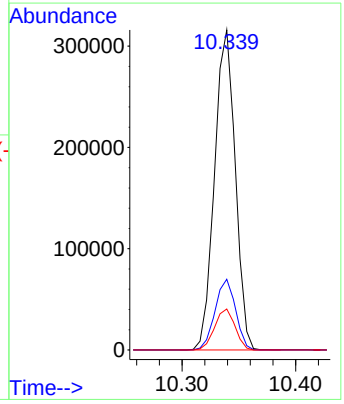


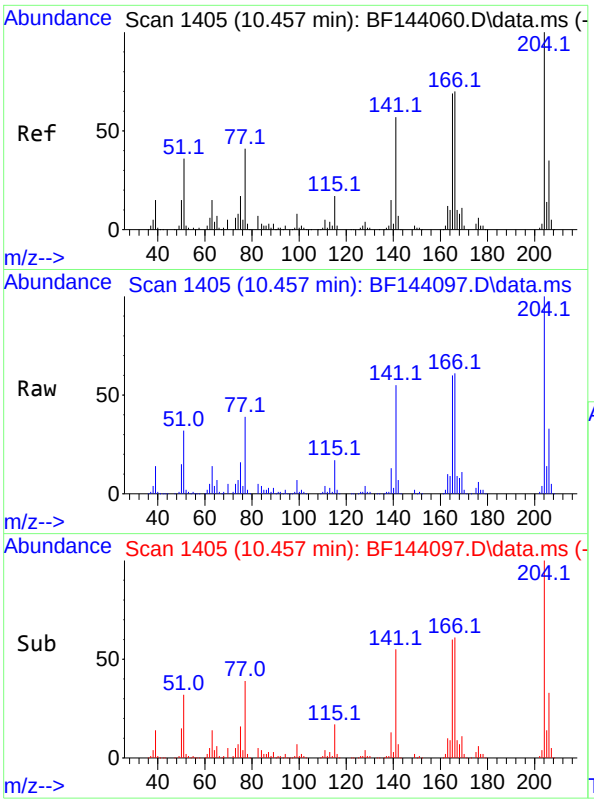


#60
Diethylphthalate
Concen: 43.974 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:149 Resp: 401002

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.6
150	12.8	10.1	15.1



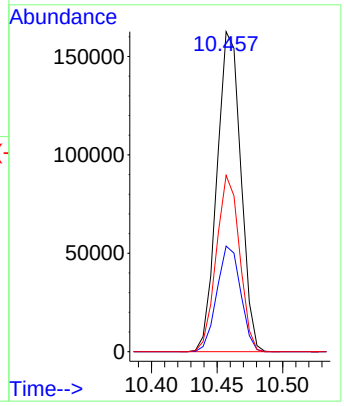


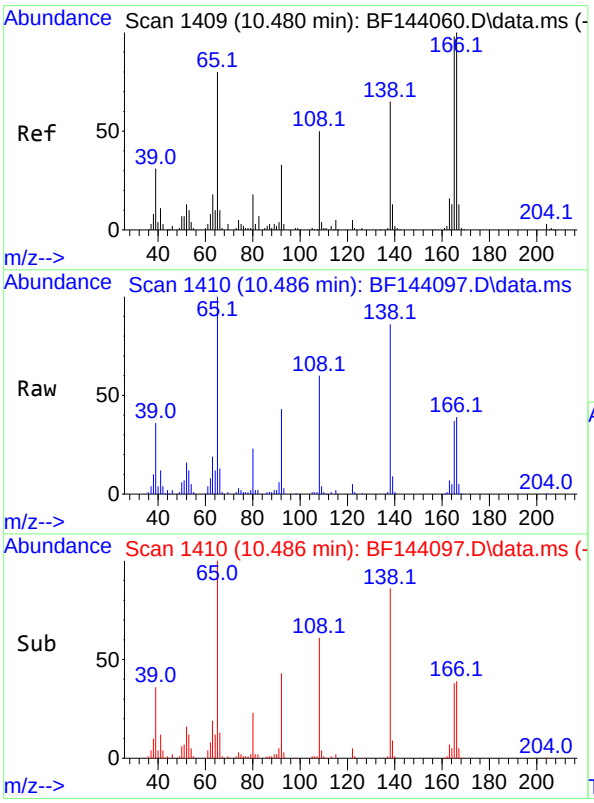
#61
4-Chlorophenyl-phenylether
Concen: 43.147 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 205056

Ion	Ratio	Lower	Upper
204	100		
206	33.0	27.8	41.6
141	55.1	45.4	68.2

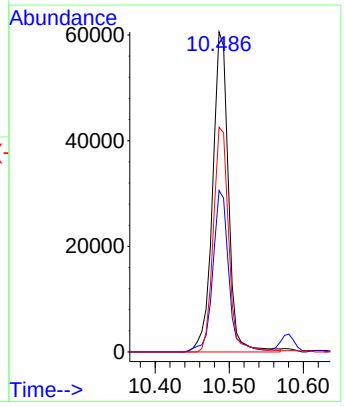


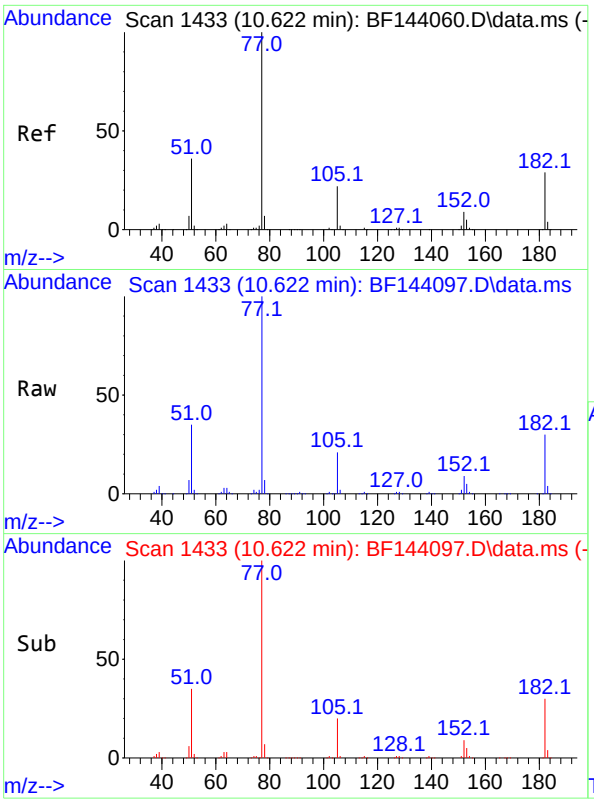


#62
4-Nitroaniline
Concen: 44.504 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:138 Resp: 89874

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.5	70.5
108	70.2	56.2	96.2



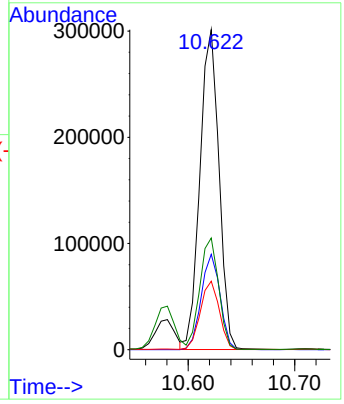


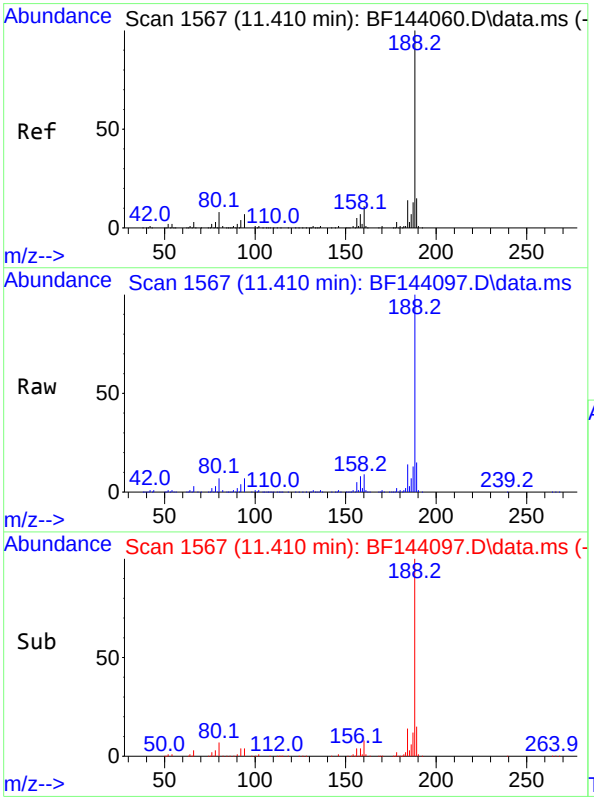
#63
Azobenzene
Concen: 43.581 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 376152

Ion	Ratio	Lower	Upper
77	100		
182	29.8	9.0	49.0
105	21.4	1.4	41.4
51	34.9	16.9	56.9

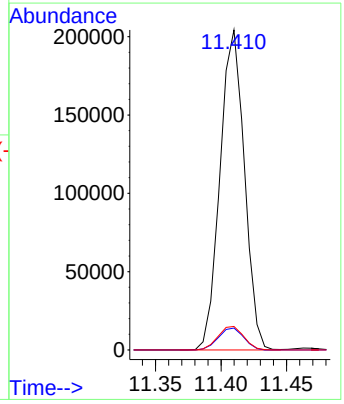


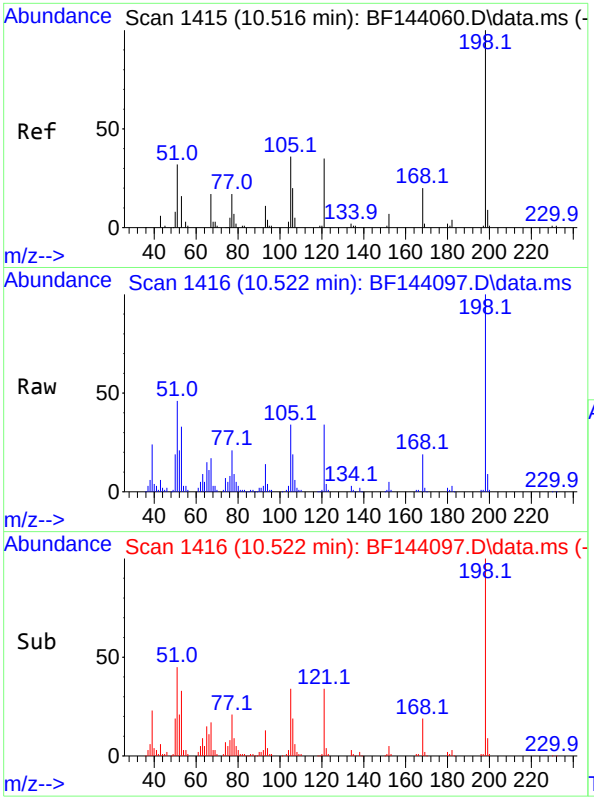


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:188 Resp: 264042

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.4	8.0
80	7.4	6.0	9.0



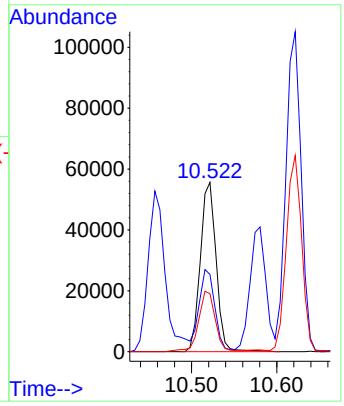


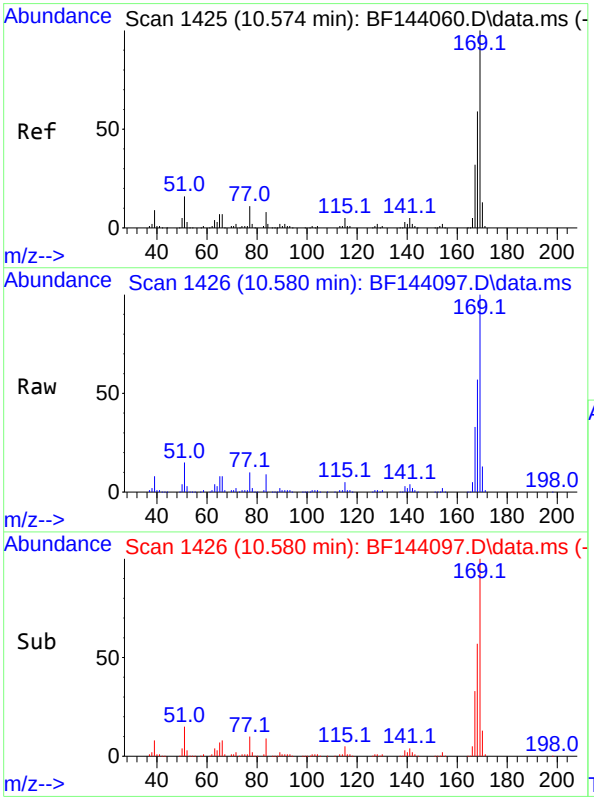
#65
4,6-Dinitro-2-methylphenol
Concen: 42.264 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 71598

Ion	Ratio	Lower	Upper
198	100		
51	45.7	25.8	65.8
105	34.3	17.2	57.2

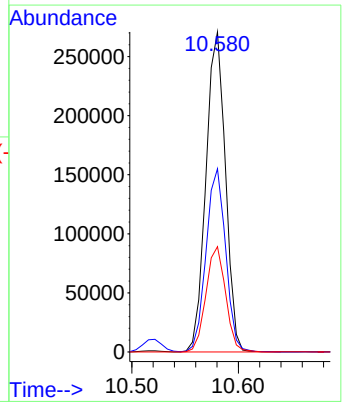


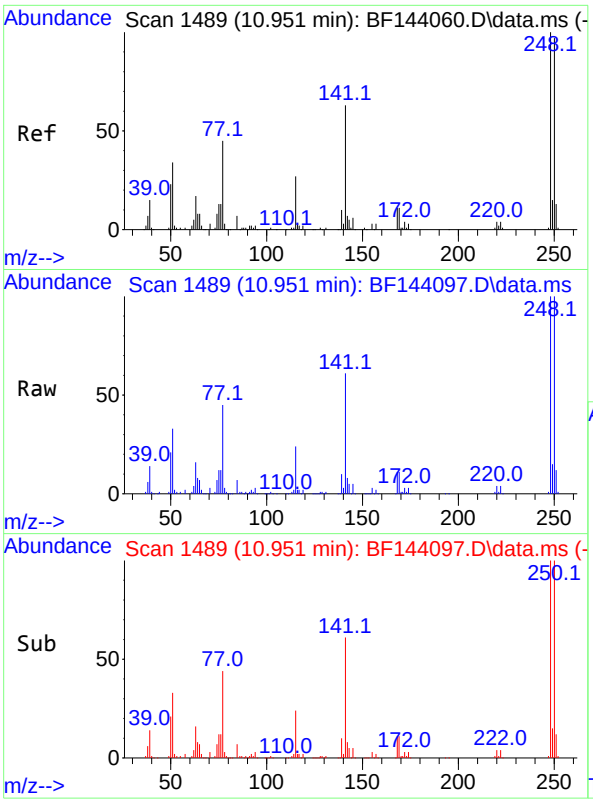


#66
n-Nitrosodiphenylamine
Concen: 40.864 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:169 Resp: 344740

Ion	Ratio	Lower	Upper
169	100		
168	57.2	47.4	71.2
167	32.9	25.5	38.3



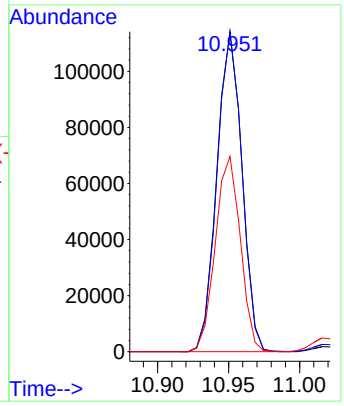


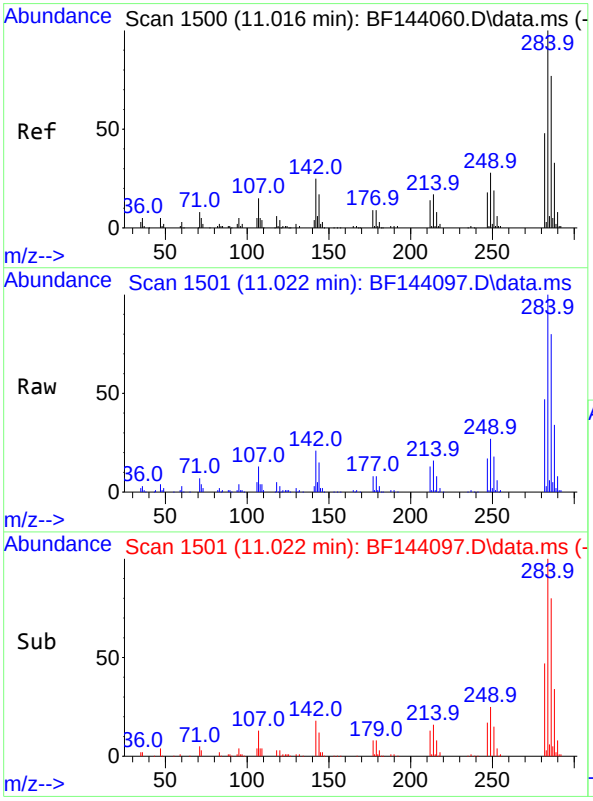
#67
4-Bromophenyl-phenylether
Concen: 42.521 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 140573

Ion	Ratio	Lower	Upper
248	100		
250	100.1	77.8	116.6
141	61.1	50.5	75.7

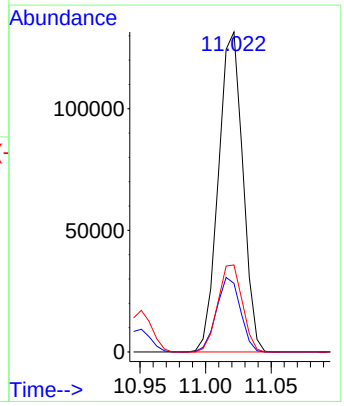


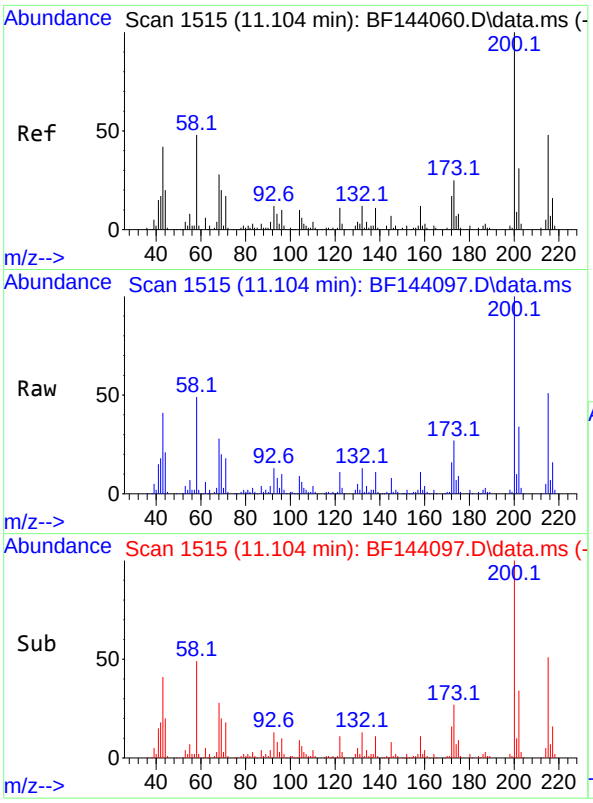


#68
Hexachlorobenzene
Concen: 41.916 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:284 Resp: 169947

Ion	Ratio	Lower	Upper
284	100		
142	21.5	20.0	30.0
249	27.2	22.2	33.2



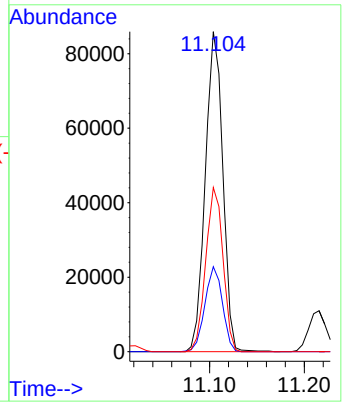


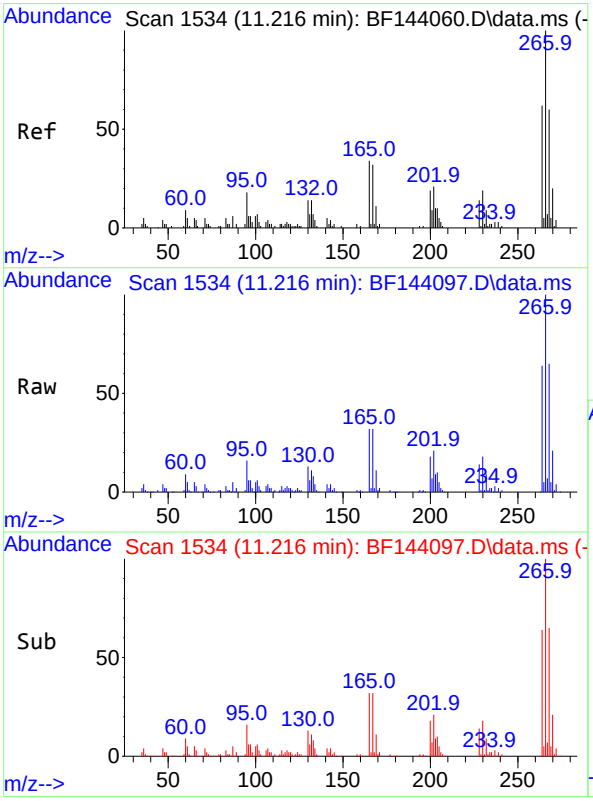
#69
Atrazine
Concen: 39.700 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 109902

Ion	Ratio	Lower	Upper
200	100		
173	26.5	4.9	44.9
215	51.3	28.2	68.2

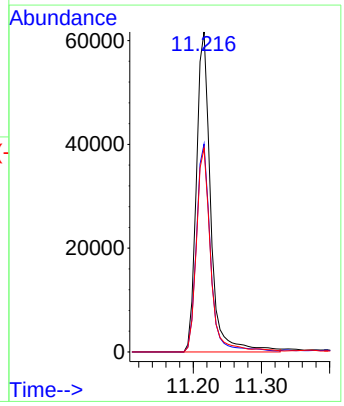


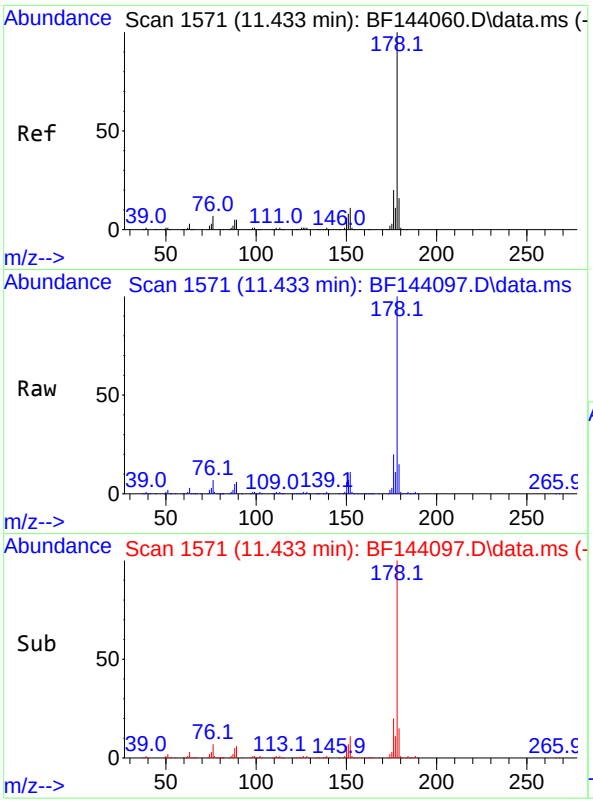


#70
Pentachlorophenol
Concen: 46.401 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:266 Resp: 89552

Ion	Ratio	Lower	Upper
266	100		
268	65.0	48.2	72.4
264	63.6	49.4	74.0



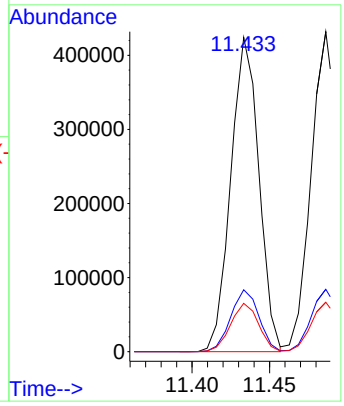


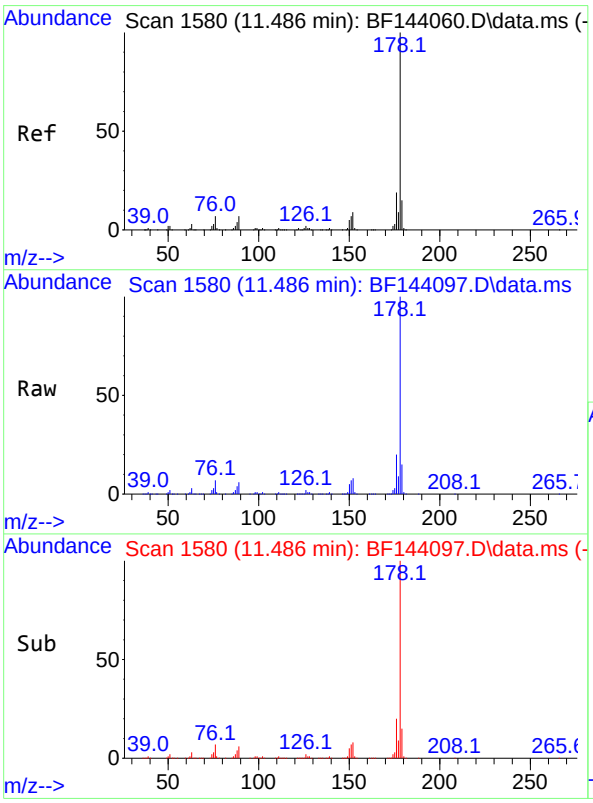
#71
Phenanthrene
Concen: 40.767 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 534720

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.4	12.6	18.8

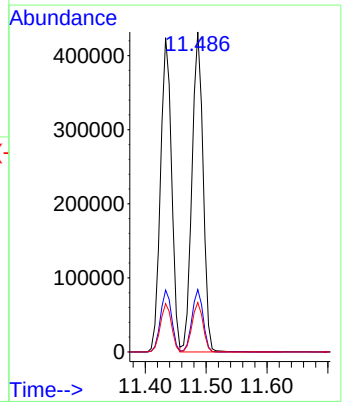


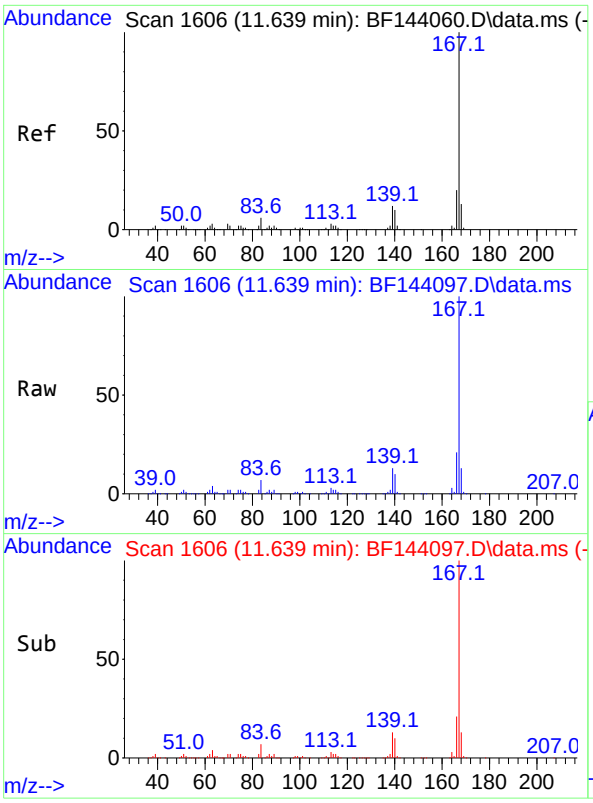


#72
Anthracene
Concen: 40.333 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:178 Resp: 546494

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	15.4	11.8	17.6



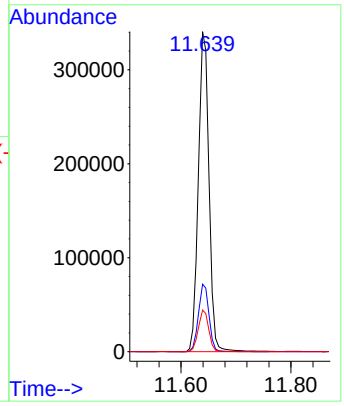


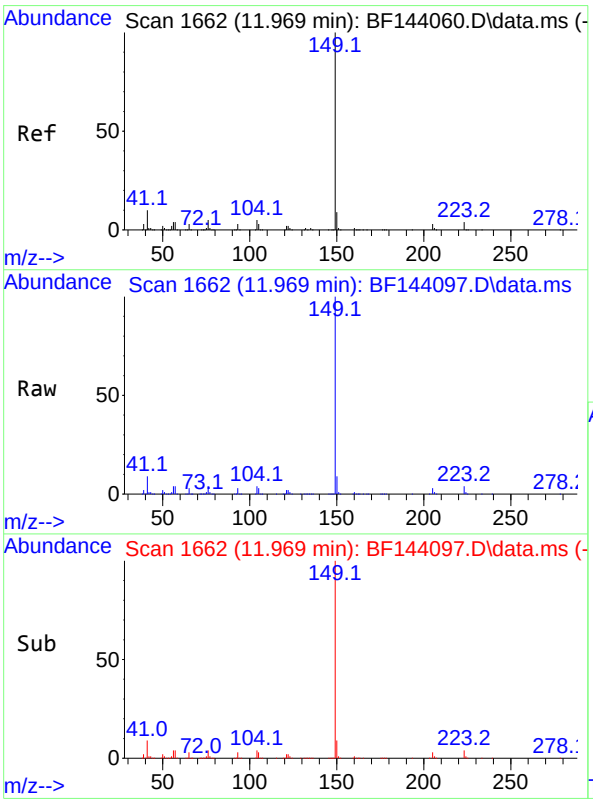
#73
Carbazole
Concen: 39.771 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 458674

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.1	24.1
139	13.0	9.8	14.6

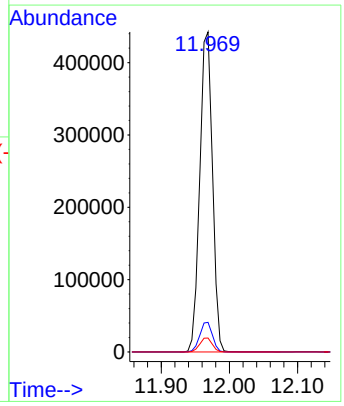


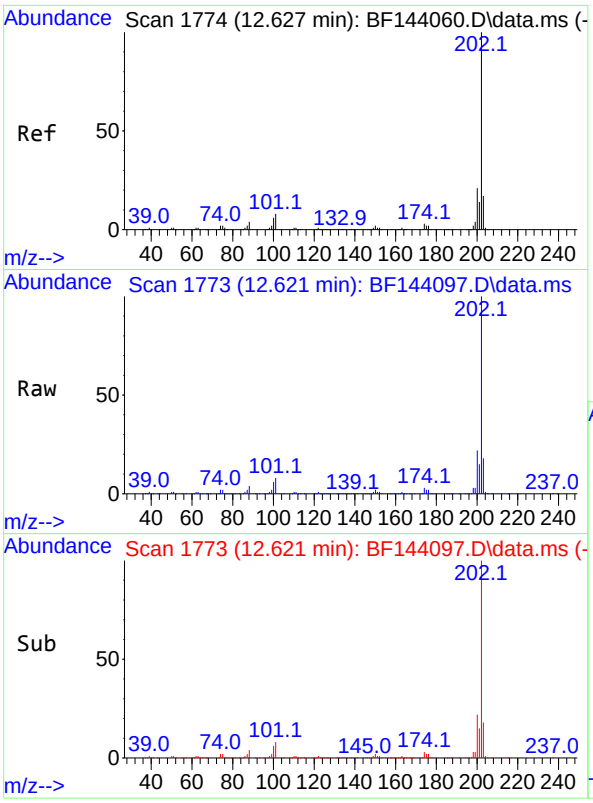


#74
Di-n-butylphthalate
Concen: 40.420 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:149 Resp: 571521

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.3	3.6	5.4



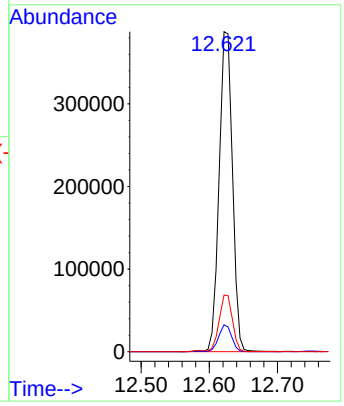


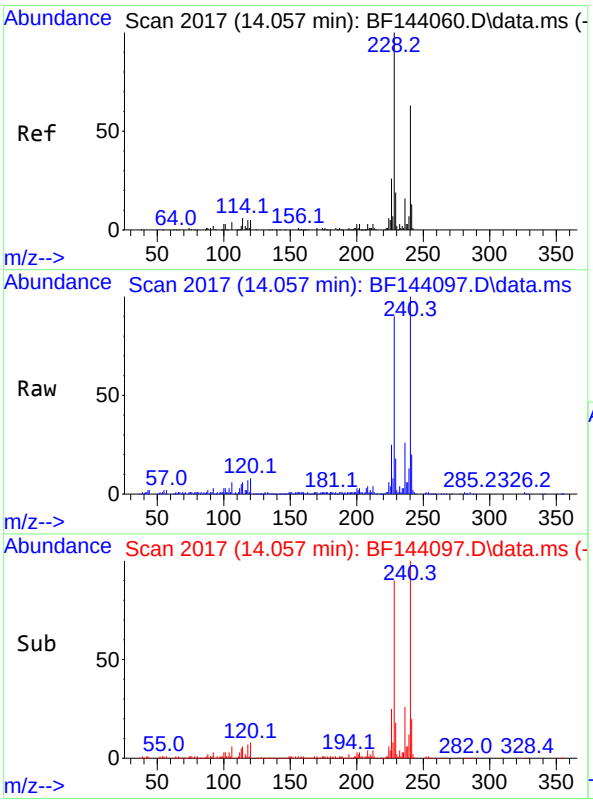
#75
Fluoranthene
Concen: 36.455 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 528275

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.7
203	17.7	0.0	37.3

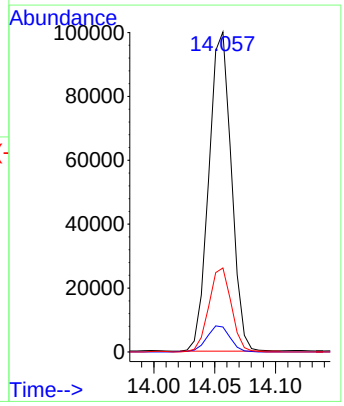


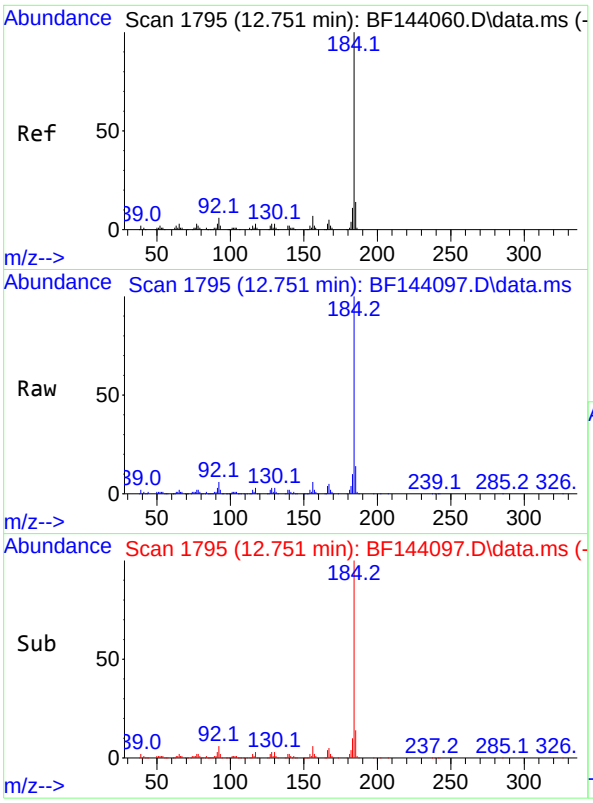


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:240 Resp: 128248

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.5	9.7
236	26.3	20.1	30.1



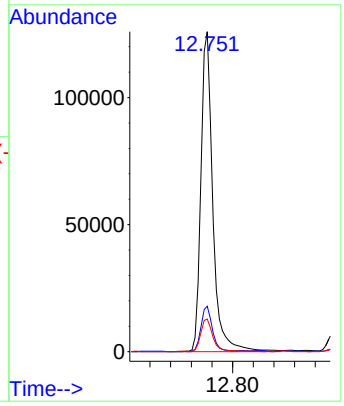


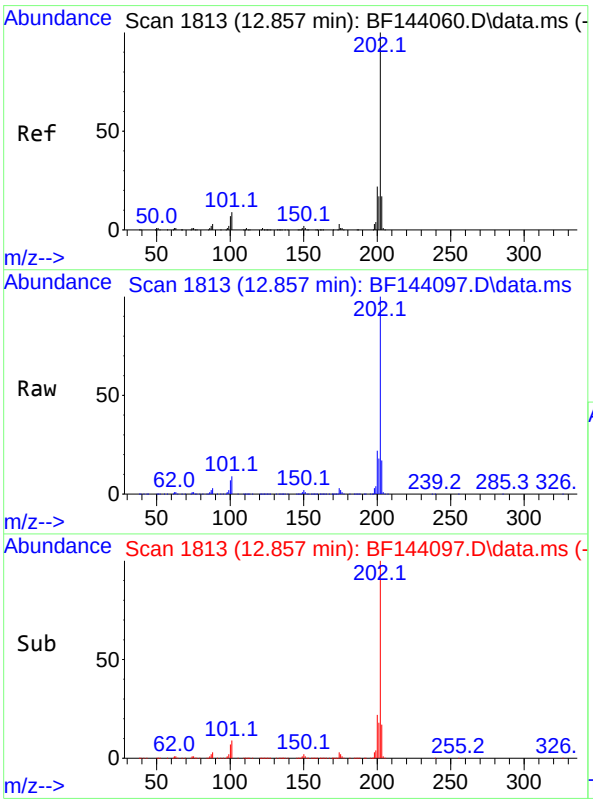
#77
Benzidine
Concen: 50.411 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 201207

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	10.2	8.5	12.7

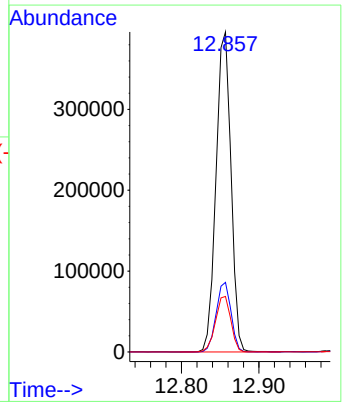


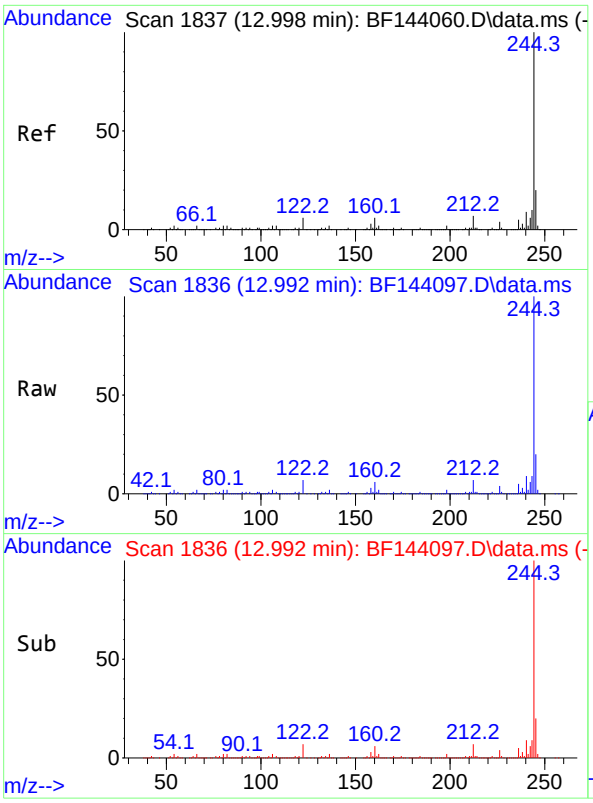


#78
Pyrene
Concen: 57.540 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:202 Resp: 530531

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.4	13.5	20.3



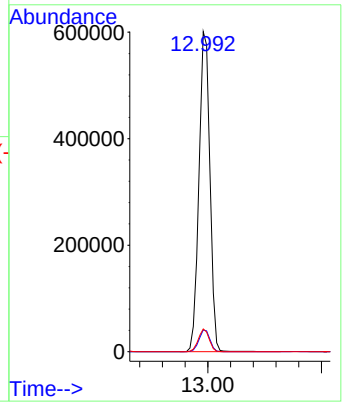


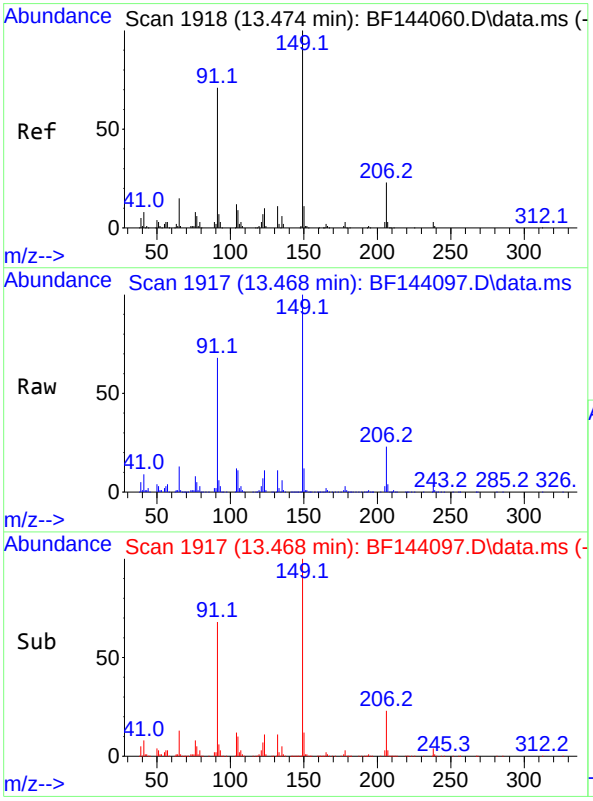
#79
Terphenyl-d14
Concen: 109.967 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 806709

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	7.1	4.9	7.3

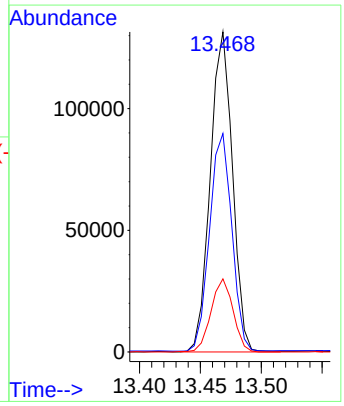


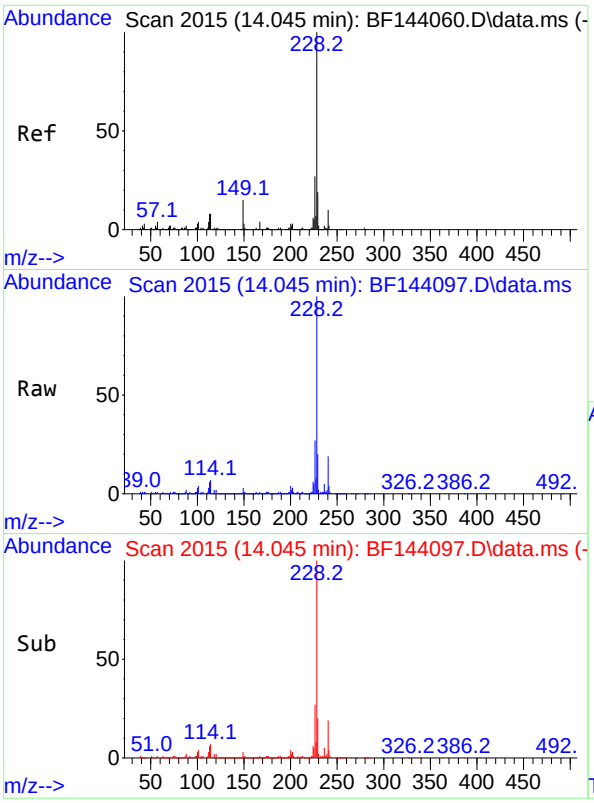


#80
Butylbenzylphthalate
Concen: 47.907 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:149 Resp: 167106

Ion	Ratio	Lower	Upper
149	100		
91	68.3	56.6	84.8
206	22.9	18.3	27.5



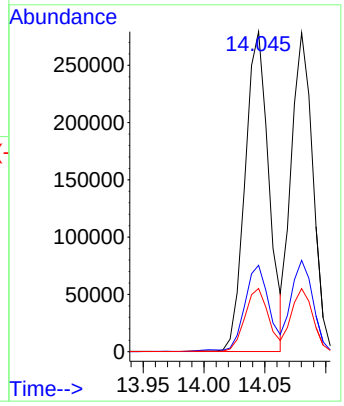


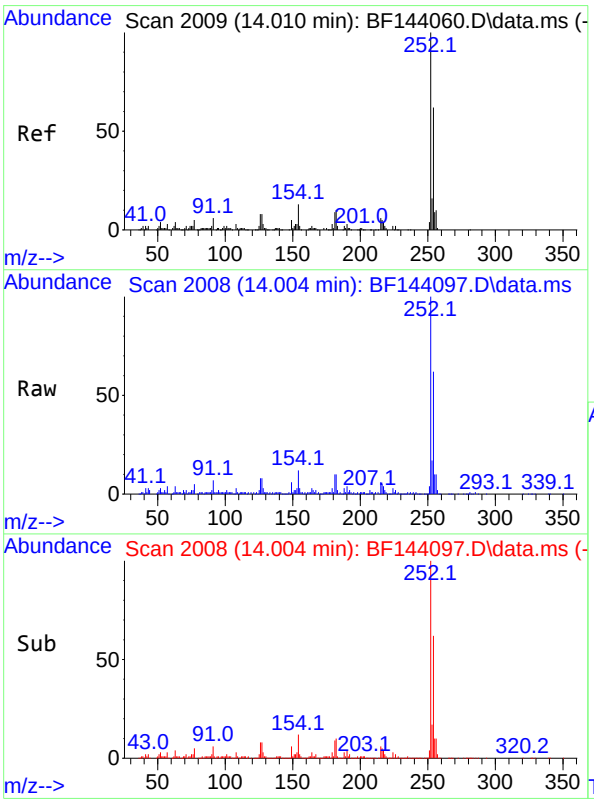
#81
Benzo(a)anthracene
Concen: 43.808 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 379691

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.8	15.3	22.9

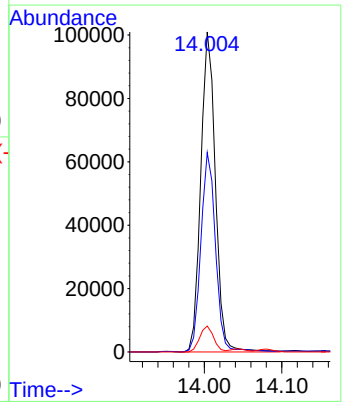


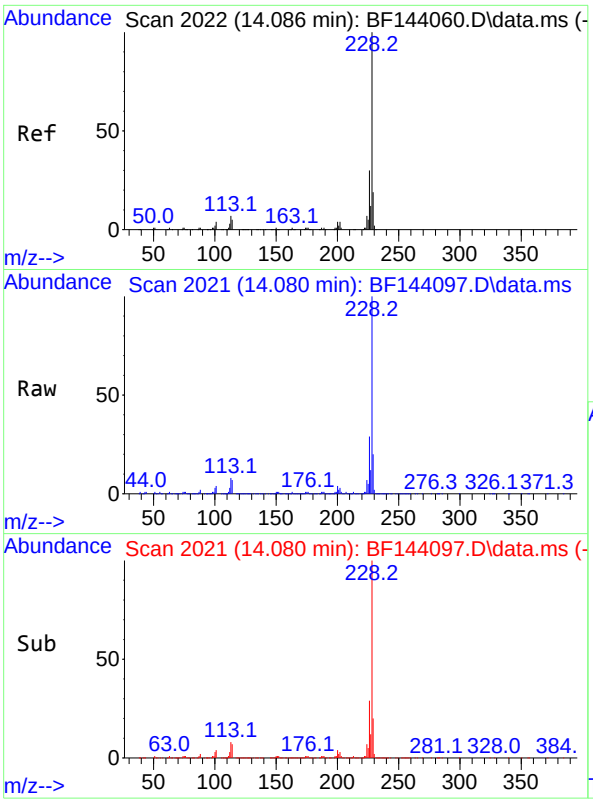


#82
3,3'-Dichlorobenzidine
Concen: 43.932 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:252 Resp: 132543

Ion	Ratio	Lower	Upper
252	100		
254	62.3	49.9	74.9
126	8.1	6.5	9.7



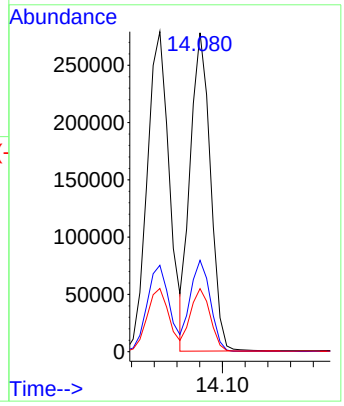


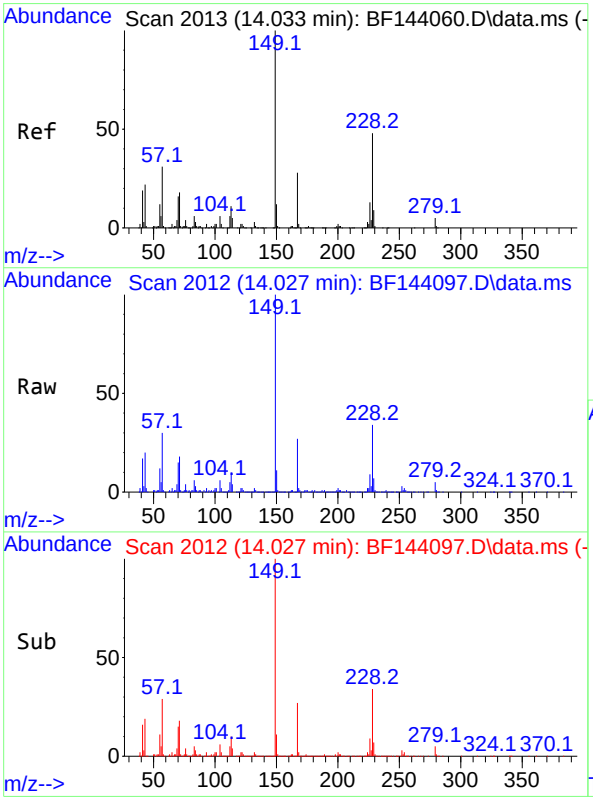
#83
Chrysene
Concen: 42.081 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 342254

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.8	35.6
229	19.8	15.6	23.4

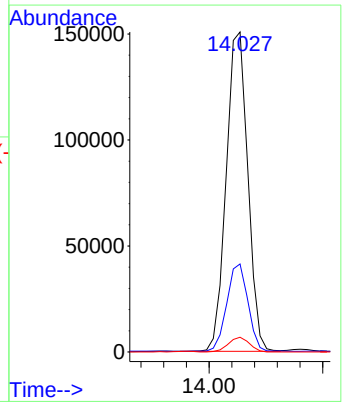


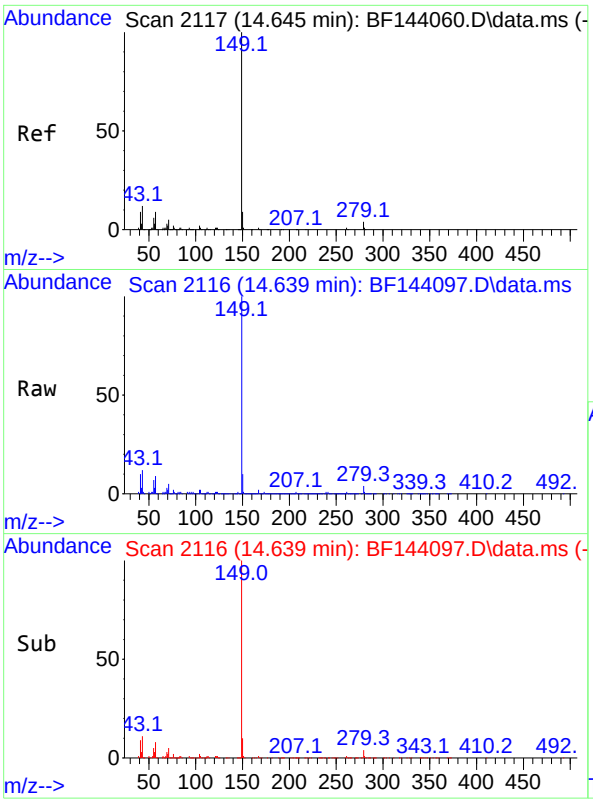


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.739 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:149 Resp: 198759

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	4.6	3.6	5.4



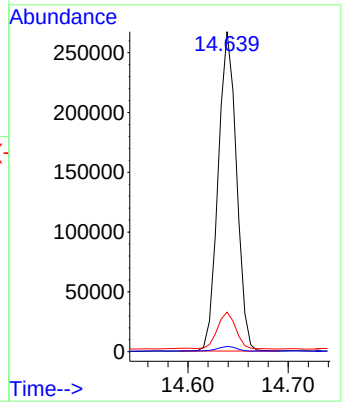


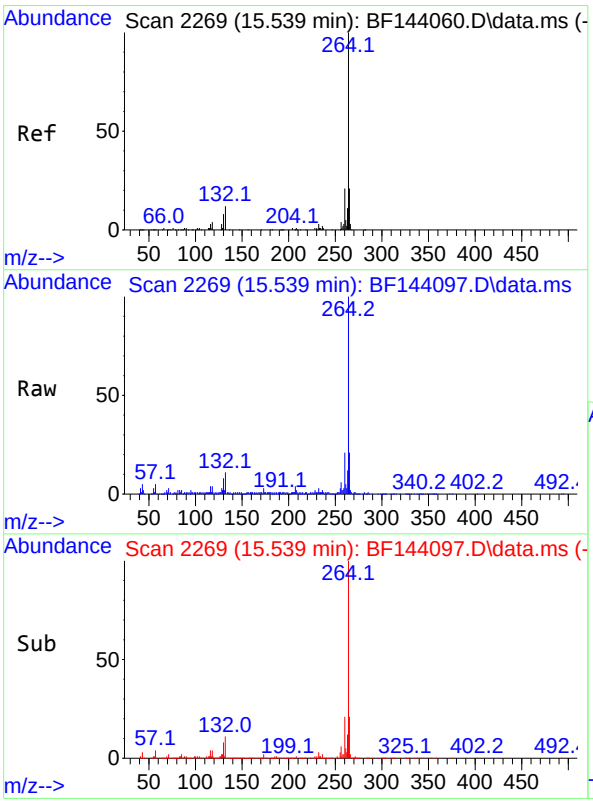
#85
Di-n-octyl phthalate
Concen: 41.443 ng
RT: 14.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 339385

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	9.3	13.9

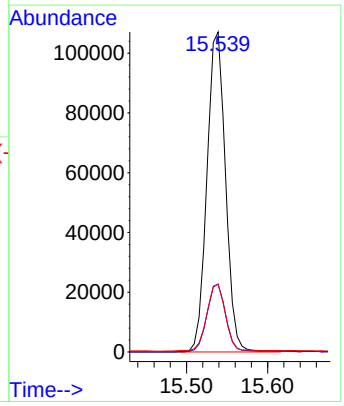


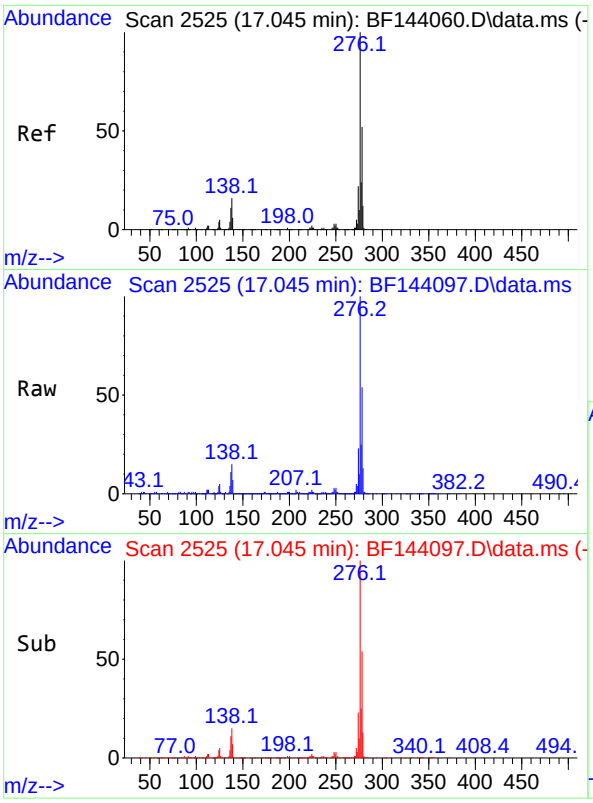


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:264 Resp: 169914

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.0	25.4
265	21.2	16.6	24.8



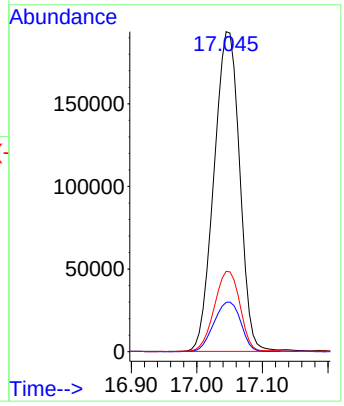


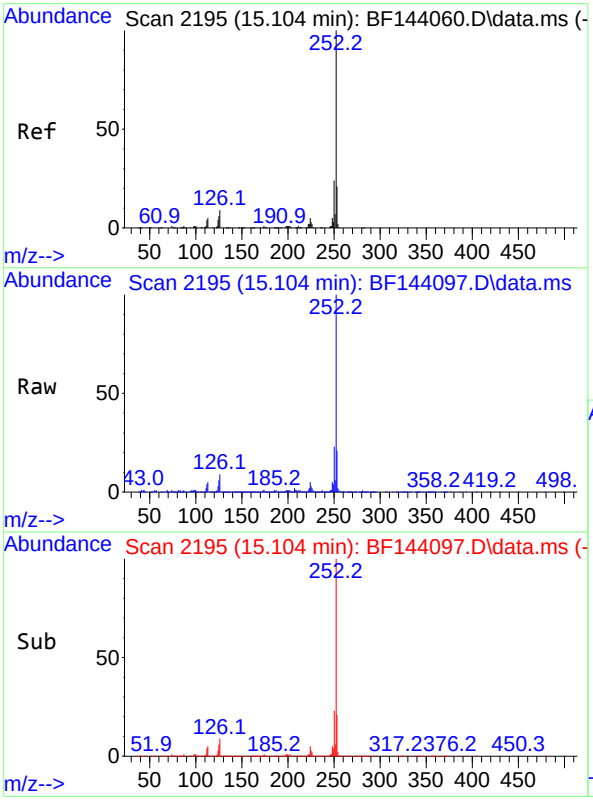
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.034 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 525344

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.6
277	25.5	19.4	29.0

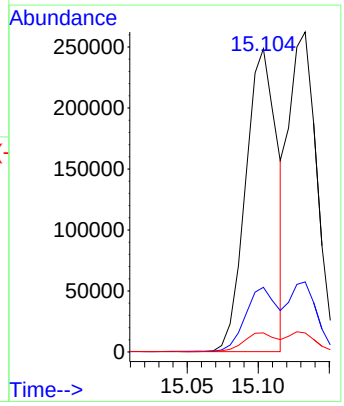


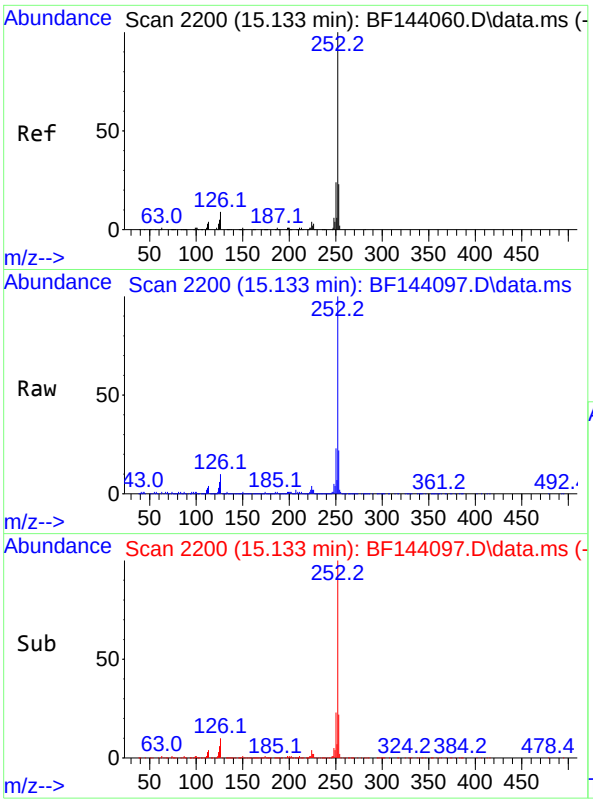


#88
Benzo(b)fluoranthene
Concen: 39.824 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:252 Resp: 382543

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	6.3	5.0	7.6



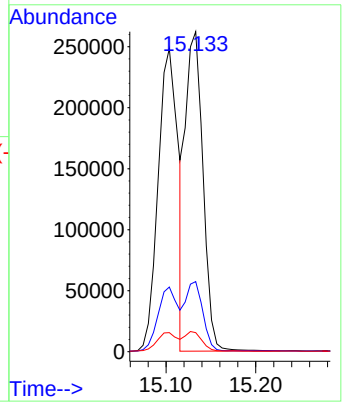


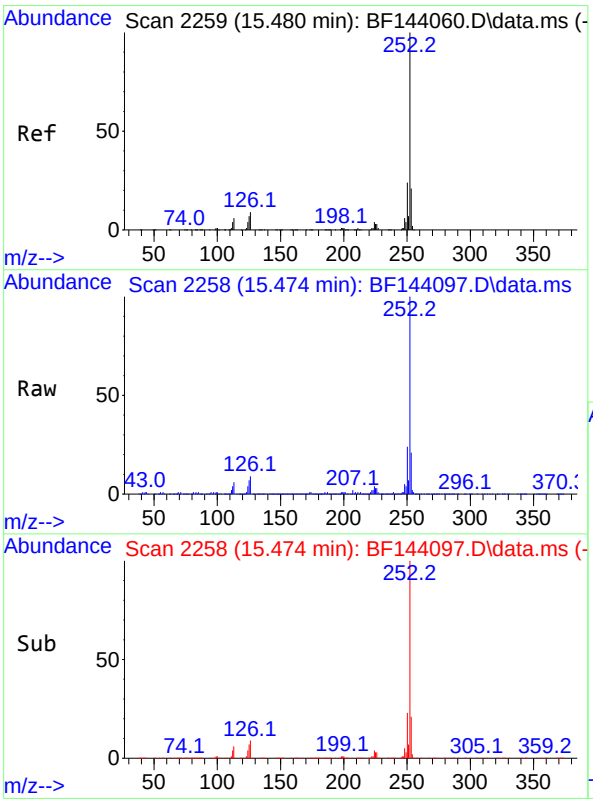
#89
Benzo(k)fluoranthene
Concen: 40.151 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 355845

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	6.0	4.9	7.3

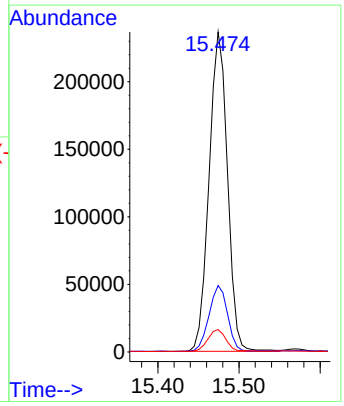


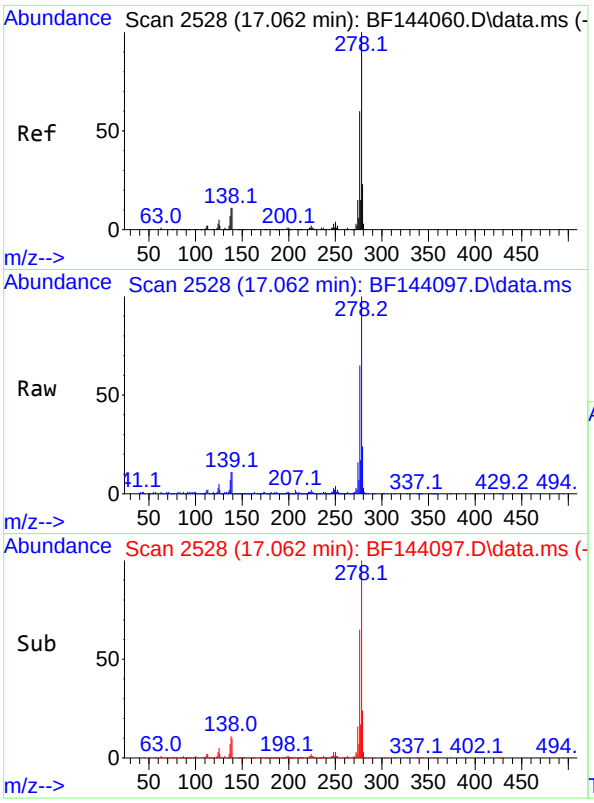


#90
Benzo(a)pyrene
Concen: 43.134 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:252 Resp: 371712

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.1	25.7
125	7.0	5.4	8.2



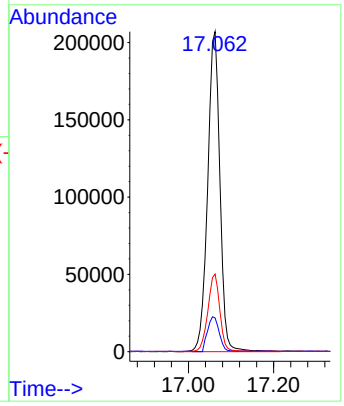


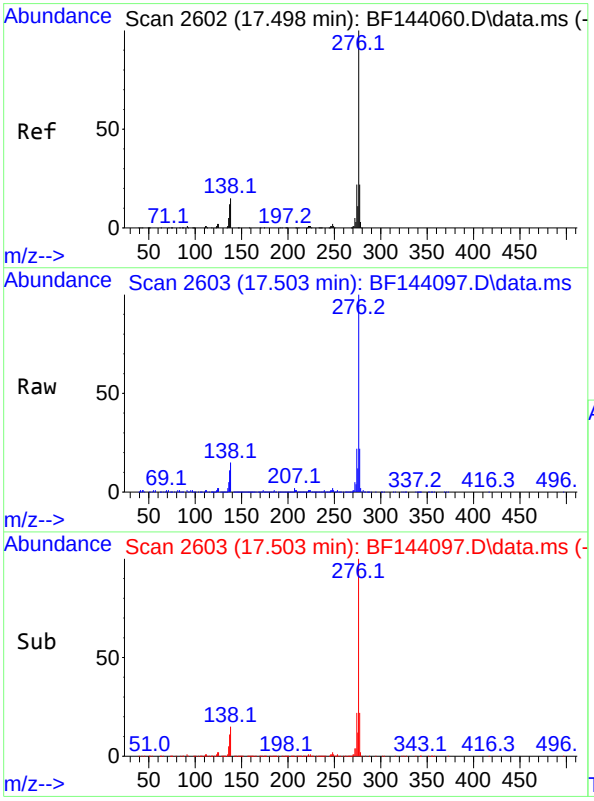
#91
Dibenzo(a,h)anthracene
Concen: 44.829 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 413954

Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.5	12.7
279	24.2	18.6	28.0

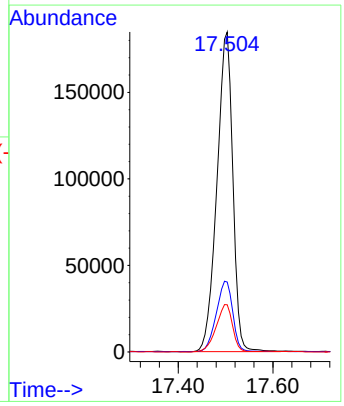




#92
Benzo(g,h,i)perylene
Concen: 46.294 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:276 Resp: 429795

Ion	Ratio	Lower	Upper
276	100		
277	21.8	17.9	26.9
138	14.8	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	0.00
2		1,4-Dioxane	0.546	0.520	4.8	127	0.00
3		Pyridine	1.462	1.525	-4.3	134	0.00
4		n-Nitrosodimethylamine	0.899	0.848	5.7	125	0.00
5	S	2-Fluorophenol	1.264	1.303	-3.1	134	0.00
6		Aniline	1.997	2.072	-3.8	138	0.00
7	S	Phenol-d6	1.396	1.466	-5.0	140	0.00
8		2-Chlorophenol	1.245	1.300	-4.4	140	0.00
9		Benzaldehyde	1.084	1.105	-1.9	142	0.00
10	C	Phenol	1.722	1.775	-3.1	138	0.00
11		bis(2-Chloroethyl)ether	1.245	1.329	-6.7	143	0.00
12		1,3-Dichlorobenzene	1.536	1.598	-4.0	137	0.00
13	C	1,4-Dichlorobenzene	1.513	1.586	-4.8	137	0.00
14		1,2-Dichlorobenzene	1.464	1.528	-4.4	139	0.00
15		Benzyl Alcohol	1.135	1.235	-8.8	145	0.00
16		2,2'-oxybis(1-Chloropropane	2.339	2.513	-7.4	142	0.00
17		2-Methylphenol	0.957	1.028	-7.4	149	0.00
18		Hexachloroethane	0.541	0.558	-3.1	138	0.00
19	P	n-Nitroso-di-n-propylamine	0.903	1.004	-11.2	154#	0.00
20		3+4-Methylphenols	1.132	1.216	-7.4	140	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	140	0.00
22		Acetophenone	0.432	0.450	-4.2	145	0.00
23	S	Nitrobenzene-d5	0.365	0.371	-1.6	142	0.00
24		Nitrobenzene	0.386	0.408	-5.7	146	0.00
25		Isophorone	0.638	0.714	-11.9	156#	0.00
26	C	2-Nitrophenol	0.184	0.203	-10.3	149	0.00
27		2,4-Dimethylphenol	0.273	0.303	-11.0	148	0.00
28		bis(2-Chloroethoxy)methane	0.398	0.444	-11.6	154#	0.00
29	C	2,4-Dichlorophenol	0.317	0.338	-6.6	147	0.00
30		1,2,4-Trichlorobenzene	0.327	0.345	-5.5	145	0.00
31		Naphthalene	0.944	0.987	-4.6	143	0.00
32		Benzoic acid	0.173	0.230	-32.9#	222#	0.02
33		4-Chloroaniline	0.329	0.364	-10.6	152#	0.00
34	C	Hexachlorobutadiene	0.267	0.269	-0.7	140	0.00
35		Caprolactam	0.080	0.097	-21.3	161#	0.02
36	C	4-Chloro-3-methylphenol	0.280	0.322	-15.0	161#	0.00
37		2-Methylnaphthalene	0.622	0.666	-7.1	145	0.00
38		1-Methylnaphthalene	0.590	0.641	-8.6	152#	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	162#	0.00
40		1,2,4,5-Tetrachlorobenzene	0.687	0.668	2.8	153#	0.00
41	P	Hexachlorocyclopentadiene	0.212	0.238	-12.3	176#	0.00
42	S	2,4,6-Tribromophenol	0.255	0.287	-12.5	177#	0.00
43	C	2,4,6-Trichlorophenol	0.447	0.474	-6.0	162#	0.00
44		2,4,5-Trichlorophenol	0.469	0.522	-11.3	181#	0.00
45	S	2-Fluorobiphenyl	1.421	1.379	3.0	154#	0.00
46		1,1'-Biphenyl	1.432	1.391	2.9	153#	0.00
47		2-Chloronaphthalene	1.199	1.218	-1.6	161#	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.356	0.388	-9.0	165#	0.00
49		Acenaphthylene	1.617	1.684	-4.1	160#	0.00
50		Dimethylphthalate	1.311	1.432	-9.2	169#	0.00
51		2,6-Dinitrotoluene	0.259	0.297	-14.7	174#	0.00
52	C	Acenaphthene	1.080	1.111	-2.9	161#	0.00
53		3-Nitroaniline	0.288	0.326	-13.2	163#	0.00
54	P	2,4-Dinitrophenol	0.140	0.166	-18.6	217#	0.00
55		Dibenzofuran	1.499	1.565	-4.4	162#	0.00
56	P	4-Nitrophenol	0.195	0.221	-13.3	191#	0.00
57		2,4-Dinitrotoluene	0.350	0.407	-16.3	170#	0.00
58		Fluorene	1.143	1.207	-5.6	164#	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.372	-12.7	167#	0.00
60		Diethylphthalate	1.233	1.355	-9.9	170#	0.00
61		4-Chlorophenyl-phenylether	0.643	0.693	-7.8	166#	0.00
62		4-Nitroaniline	0.273	0.304	-11.4	166#	0.00
63		Azobenzene	1.167	1.271	-8.9	166#	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	165#	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.136	-6.3	183#	0.00
66	c	n-Nitrosodiphenylamine	0.639	0.653	-2.2	168#	0.00
67		4-Bromophenyl-phenylether	0.250	0.266	-6.4	169#	0.00
68		Hexachlorobenzene	0.307	0.322	-4.9	166#	0.00
69		Atrazine	0.210	0.208	1.0	165#	0.00
70	C	Pentachlorophenol	0.146	0.170	-16.4	187#	0.00
71		Phenanthrene	0.994	1.013	-1.9	165#	0.00
72		Anthracene	1.026	1.035	-0.9	163#	0.00
73		Carbazole	0.874	0.869	0.6	159#	0.00
74		Di-n-butylphthalate	1.071	1.082	-1.0	160#	0.00
75	C	Fluoranthene	1.098	1.000	8.9	147	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.622	0.784	-26.0#	122	0.00
78		Pyrene	1.438	2.068	-43.8#	141	0.00
79	S	Terphenyl-d14	1.144	1.573	-37.5#	135	0.00
80		Butylbenzylphthalate	0.544	0.651	-19.7	112	0.00
81		Benzo(a)anthracene	1.352	1.480	-9.5	101	0.00
82		3,3'-Dichlorobenzidine	0.470	0.517	-10.0	105	0.00
83		Chrysene	1.268	1.334	-5.2	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.743	0.775	-4.3	101	0.00
85	c	Di-n-octyl phthalate	1.277	1.323	-3.6	98	0.00
86	I	Perylene-d12	1.000	1.000	0.0	111	0.00
87		Indeno(1,2,3-cd)pyrene	1.373	1.546	-12.6	116	0.00
88		Benzo(b)fluoranthene	1.131	1.126	0.4	99	0.00
89		Benzo(k)fluoranthene	1.043	1.047	-0.4	110	0.00
90	C	Benzo(a)pyrene	1.014	1.094	-7.9	112	0.00
91		Dibenzo(a,h)anthracene	1.087	1.218	-12.1	116	0.00
92		Benzo(g,h,i)perylene	1.093	1.265	-15.7	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	135	0.00
2		1,4-Dioxane	40.000	38.059	4.9	127	0.00
3		Pyridine	40.000	41.710	-4.3	134	0.00
4		n-Nitrosodimethylamine	40.000	37.743	5.6	125	0.00
5	S	2-Fluorophenol	80.000	82.434	-3.0	134	0.00
6		Aniline	40.000	41.492	-3.7	138	0.00
7	S	Phenol-d6	80.000	84.022	-5.0	140	0.00
8		2-Chlorophenol	40.000	41.762	-4.4	140	0.00
9		Benzaldehyde	40.000	40.774	-1.9	142	0.00
10	C	Phenol	40.000	41.214	-3.0	138	0.00
11		bis(2-Chloroethyl)ether	40.000	42.699	-6.7	143	0.00
12		1,3-Dichlorobenzene	40.000	41.627	-4.1	137	0.00
13	C	1,4-Dichlorobenzene	40.000	41.909	-4.8	137	0.00
14		1,2-Dichlorobenzene	40.000	41.744	-4.4	139	0.00
15		Benzyl Alcohol	40.000	43.521	-8.8	145	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.966	-7.4	142	0.00
17		2-Methylphenol	40.000	42.952	-7.4	149	0.00
18		Hexachloroethane	40.000	41.263	-3.2	138	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	44.499	-11.2	154	0.00
20		3+4-Methylphenols	40.000	42.964	-7.4	140	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	140	0.00
22		Acetophenone	40.000	41.609	-4.0	145	0.00
23	S	Nitrobenzene-d5	80.000	81.285	-1.6	142	0.00
24		Nitrobenzene	40.000	42.287	-5.7	146	0.00
25		Isophorone	40.000	44.766	-11.9	156	0.00
26	C	2-Nitrophenol	40.000	44.191	-10.5	149	0.00
27		2,4-Dimethylphenol	40.000	44.467	-11.2	148	0.00
28		bis(2-Chloroethoxy)methane	40.000	44.670	-11.7	154	0.00
29	C	2,4-Dichlorophenol	40.000	42.625	-6.6	147	0.00
30		1,2,4-Trichlorobenzene	40.000	42.262	-5.7	145	0.00
31		Naphthalene	40.000	41.811	-4.5	143	0.00
32		Benzoic acid	40.000	53.198	-33.0#	222	0.02
33		4-Chloroaniline	40.000	44.308	-10.8	152	0.00
34	C	Hexachlorobutadiene	40.000	40.361	-0.9	140	0.00
35		Caprolactam	40.000	48.802	-22.0	161	0.02
36	C	4-Chloro-3-methylphenol	40.000	46.014	-15.0	161	0.00
37		2-Methylnaphthalene	40.000	42.835	-7.1	145	0.00
38		1-Methylnaphthalene	40.000	43.513	-8.8	152	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	162	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.859	2.9	153	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.760	-11.9	176	0.00
42	S	2,4,6-Tribromophenol	80.000	90.002	-12.5	177	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.418	-6.0	162	0.00
44		2,4,5-Trichlorophenol	40.000	44.519	-11.3	181	0.00
45	S	2-Fluorobiphenyl	80.000	77.635	3.0	154	0.00
46		1,1'-Biphenyl	40.000	38.873	2.8	153	0.00
47		2-Chloronaphthalene	40.000	40.627	-1.6	161	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.622	-9.1	165	0.00
49		Acenaphthylene	40.000	41.661	-4.2	160	0.00
50		Dimethylphthalate	40.000	43.685	-9.2	169	0.00
51		2,6-Dinitrotoluene	40.000	45.846	-14.6	174	0.00
52	C	Acenaphthene	40.000	41.127	-2.8	161	0.00
53		3-Nitroaniline	40.000	45.229	-13.1	163	0.00
54	P	2,4-Dinitrophenol	40.000	47.423	-18.6	217	0.00
55		Dibenzofuran	40.000	41.757	-4.4	162	0.00
56	P	4-Nitrophenol	40.000	45.329	-13.3	191	0.00
57		2,4-Dinitrotoluene	40.000	46.505	-16.3	170	0.00
58		Fluorene	40.000	42.247	-5.6	164	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.002	-12.5	167	0.00
60		Diethylphthalate	40.000	43.974	-9.9	170	0.00
61		4-Chlorophenyl-phenylether	40.000	43.147	-7.9	166	0.00
62		4-Nitroaniline	40.000	44.504	-11.3	166	0.00
63		Azobenzene	40.000	43.581	-9.0	166	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	165	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.264	-5.7	183	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.864	-2.2	168	0.00
67		4-Bromophenyl-phenylether	40.000	42.521	-6.3	169	0.00
68		Hexachlorobenzene	40.000	41.916	-4.8	166	0.00
69		Atrazine	40.000	39.700	0.7	165	0.00
70	C	Pentachlorophenol	40.000	46.401	-16.0	187	0.00
71		Phenanthrene	40.000	40.767	-1.9	165	0.00
72		Anthracene	40.000	40.333	-0.8	163	0.00
73		Carbazole	40.000	39.771	0.6	159	0.00
74		Di-n-butylphthalate	40.000	40.420	-1.1	160	0.00
75	C	Fluoranthene	40.000	36.455	8.9	147	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	50.411	-26.0#	122	0.00
78		Pyrene	40.000	57.540	-43.9#	141	0.00
79	S	Terphenyl-d14	80.000	109.967	-37.5#	135	0.00
80		Butylbenzylphthalate	40.000	47.907	-19.8	112	0.00
81		Benzo(a)anthracene	40.000	43.808	-9.5	101	0.00
82		3,3'-Dichlorobenzidine	40.000	43.932	-9.8	105	0.00
83		Chrysene	40.000	42.081	-5.2	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.739	-4.3	101	0.00
85	c	Di-n-octyl phthalate	40.000	41.443	-3.6	98	0.00
86	I	Perylene-d12	20.000	20.000	0.0	111	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.034	-12.6	116	0.00
88		Benzo(b)fluoranthene	40.000	39.824	0.4	99	0.00
89		Benzo(k)fluoranthene	40.000	40.151	-0.4	110	0.00
90	C	Benzo(a)pyrene	40.000	43.134	-7.8	112	0.00
91		Dibenzo(a,h)anthracene	40.000	44.829	-12.1	116	0.00
92		Benzo(g,h,i)perylene	40.000	46.294	-15.7	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144097.D
Acq On : 28 Oct 2025 13:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:10:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: Q3447

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl)ether	1.329	1.620		21.9	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	1.201	1.301		8.3	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.297	0.316		6.4	
bis(2-Chloroethoxy)methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

Form VII SV-1

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.: Q3447

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo(a)anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo(b)fluoranthene	1.226	1.264		3.1	
Benzo(k)fluoranthene	1.227	1.298		5.8	
Benzo(a)pyrene	1.127	1.172		4.0	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.523		3.5	
Dibenzo(a,h)anthracene	1.195	1.242		3.9	
Benzo(g,h,i)perylene	1.142	1.171		2.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.220	152	39737	20.000	ng		0.00
21) Naphthalene-d8	11.046	136	173874	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	136456	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	324576	20.000	ng		0.00
76) Chrysene-d12	21.851	240	347536	20.000	ng		0.00
86) Perylene-d12	25.194	264	368889	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	230506	97.366	ng		0.00
7) Phenol-d6	7.350	99	324858	100.000	ng		0.00
23) Nitrobenzene-d5	9.383	82	233175	80.547	ng		0.00
42) 2,4,6-Tribromophenol	16.316	330	157029	79.732	ng		0.00
45) 2-Fluorobiphenyl	13.473	172	726855	80.739	ng		0.00
79) Terphenyl-d14	20.171	244	1486757	80.733	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.590	88	50329	48.018	ng		96
3) Pyridine	3.995	79	195127	61.994	ng		97
4) n-Nitrosodimethylamine	3.901	42	79462	47.077	ng		96
6) Aniline	7.527	93	218097	49.338	ng		98
8) 2-Chlorophenol	7.773	128	125412	50.611	ng		97
9) Benzaldehyde	7.339	77	136425	76.923	ng		97
10) Phenol	7.380	94	179040	49.835	ng		96
11) bis(2-Chloroethyl)ether	7.621	93	128740	48.739	ng		97
12) 1,3-Dichlorobenzene	8.108	146	118958	41.710	ng		96
13) 1,4-Dichlorobenzene	8.255	146	120647	41.603	ng		99
14) 1,2-Dichlorobenzene	8.578	146	116103	41.508	ng		96
15) Benzyl Alcohol	8.449	79	115357	43.062	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.737	45	302812	43.704	ng		98
17) 2-Methylphenol	8.643	107	103411	43.353	ng		97
18) Hexachloroethane	9.325	117	42141	41.409	ng		98
19) n-Nitroso-di-n-propyla...	9.025	70	103213	45.972	ng		96
20) 3+4-Methylphenols	8.972	107	142872	42.591	ng		96
22) Acetophenone	9.042	105	195028	41.032	ng		95
24) Nitrobenzene	9.424	77	128864	40.927	ng		99
25) Isophorone	9.953	82	291391	41.948	ng		99
26) 2-Nitrophenol	10.141	139	39727	33.699	ng		92
27) 2,4-Dimethylphenol	10.188	122	109961	42.557	ng		94
28) bis(2-Chloroethoxy)met...	10.435	93	165991	41.969	ng		98
29) 2,4-Dichlorophenol	10.676	162	116926	42.048	ng		95
30) 1,2,4-Trichlorobenzene	10.905	180	128652	40.719	ng		99
31) Naphthalene	11.099	128	394232	40.895	ng		99
32) Benzoic acid	10.317	122	61367	33.268	ng		93
33) 4-Chloroaniline	11.187	127	156793	41.846	ng		98
34) Hexachlorobutadiene	11.387	225	100526	40.684	ng		98
35) Caprolactam	11.951	113	41048	38.487	ng	#	88
36) 4-Chloro-3-methylphenol	12.292	107	139274	41.668	ng		98
37) 2-Methylnaphthalene	12.685	142	292711	41.357	ng		99
38) 1-Methylnaphthalene	12.903	142	286227	40.851	ng		98
40) 1,2,4,5-Tetrachloroben...	13.050	216	183039	39.969	ng		99
41) Hexachlorocyclopentadiene	13.038	237	75893	36.818	ng		98
43) 2,4,6-Trichlorophenol	13.279	196	108131	41.278	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

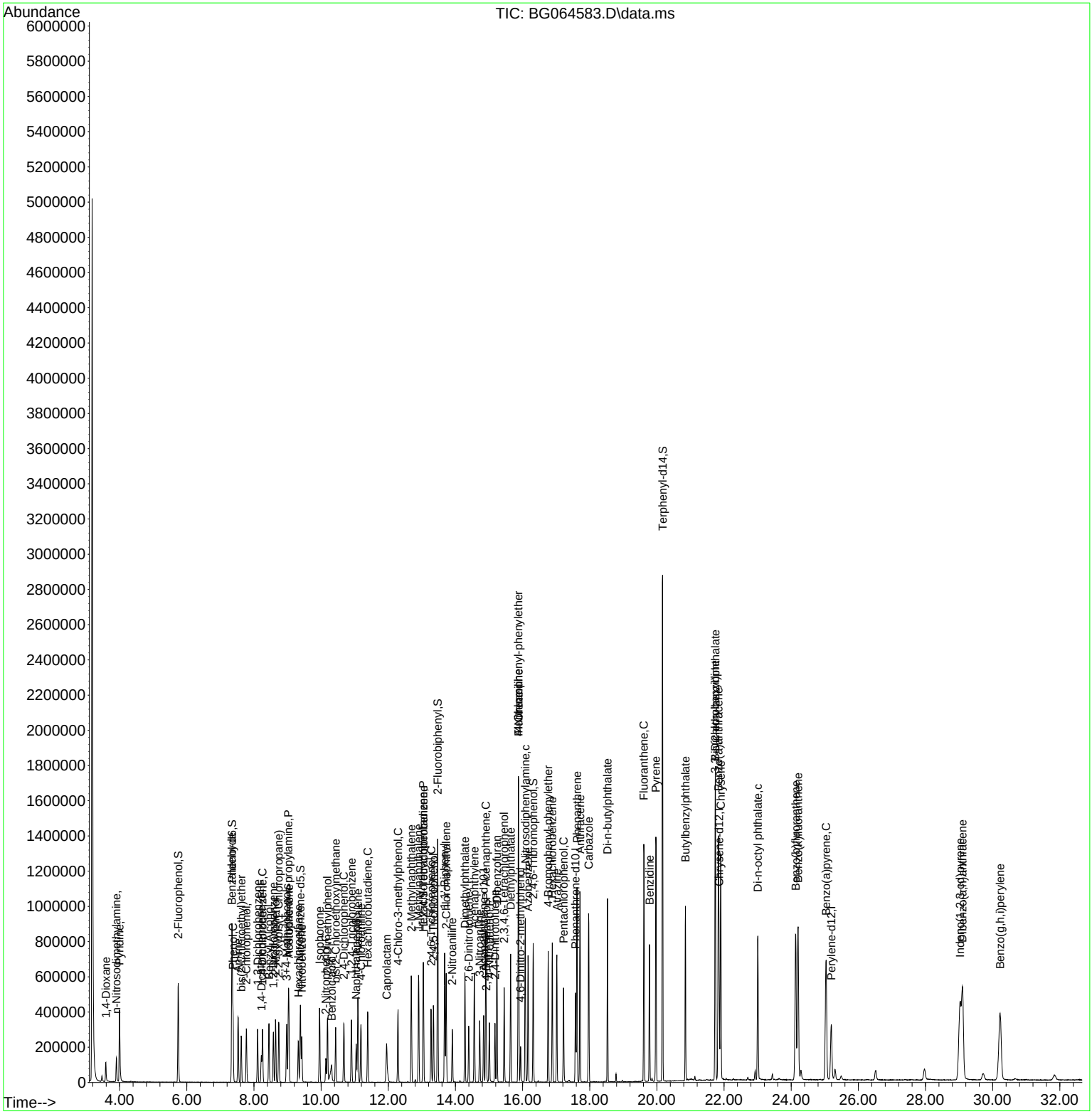
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.343	196	123941	41.000	ng		99
46) 1,1'-Biphenyl	13.678	154	397857	41.012	ng		97
47) 2-Chloronaphthalene	13.725	162	299701	40.928	ng		99
48) 2-Nitroaniline	13.907	65	81503	34.152	ng		93
49) Acenaphthylene	14.565	152	471014	40.780	ng		99
50) Dimethylphthalate	14.283	163	418670	40.096	ng		100
51) 2,6-Dinitrotoluene	14.395	165	59354	35.352	ng		98
52) Acenaphthene	14.906	154	320852	40.659	ng		99
53) 3-Nitroaniline	14.724	138	72727	40.529	ng		92
54) 2,4-Dinitrophenol	14.924	184	35977	37.232	ng		97
55) Dibenzofuran	15.235	168	519158	40.693	ng		99
56) 4-Nitrophenol	15.012	139	64395	38.706	ng		97
57) 2,4-Dinitrotoluene	15.182	165	90701	34.936	ng	#	95
58) Fluorene	15.882	166	398395	39.986	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.453	232	118842	41.112	ng		98
60) Diethylphthalate	15.647	149	419702	39.366	ng		100
61) 4-Chlorophenyl-phenyle...	15.876	204	222810	39.849	ng		96
62) 4-Nitroaniline	15.882	138	82074	41.112	ng		96
63) Azobenzene	16.164	77	404156	41.315	ng		99
65) 4,6-Dinitro-2-methylph...	15.940	198	51664	37.510	ng		97
66) n-Nitrosodiphenylamine	16.081	169	367072	41.867	ng		99
67) 4-Bromophenyl-phenylether	16.763	248	160468	41.720	ng		99
68) Hexachlorobenzene	16.886	284	180323	41.094	ng		97
69) Atrazine	17.021	200	143289	37.977	ng		98
70) Pentachlorophenol	17.221	266	109806	40.129	ng		91
71) Phenanthrene	17.621	178	723122	40.740	ng		99
72) Anthracene	17.715	178	740918	41.035	ng		98
73) Carbazole	17.967	167	645806	40.561	ng		99
74) Di-n-butylphthalate	18.531	149	716403	38.911	ng		99
75) Fluoranthene	19.612	202	889861	40.019	ng		100
77) Benzidine	19.783	184	466575	59.923	ng		99
78) Pyrene	19.971	202	921148	40.568	ng		98
80) Butylbenzylphthalate	20.852	149	290894	42.388	ng		96
81) Benzo(a)anthracene	21.833	228	954317	41.414	ng		99
82) 3,3'-Dichlorobenzidine	21.733	252	314331	40.849	ng		99
83) Chrysene	21.904	228	899714	41.033	ng		97
84) Bis(2-ethylhexyl)phtha...	21.745	149	432180	42.146	ng		97
85) Di-n-octyl phthalate	23.008	149	722967	41.817	ng		100
87) Indeno(1,2,3-cd)pyrene	29.031	276	1123402	41.398	ng		99
88) Benzo(b)fluoranthene	24.137	252	932900	41.242	ng		98
89) Benzo(k)fluoranthene	24.207	252	957914	42.319	ng		98
90) Benzo(a)pyrene	25.041	252	864413	41.573	ng		100
91) Dibenzo(a,h)anthracene	29.101	278	916106	41.553	ng		98
92) Benzo(g,h,i)perylene	30.224	276	864165	41.032	ng		98

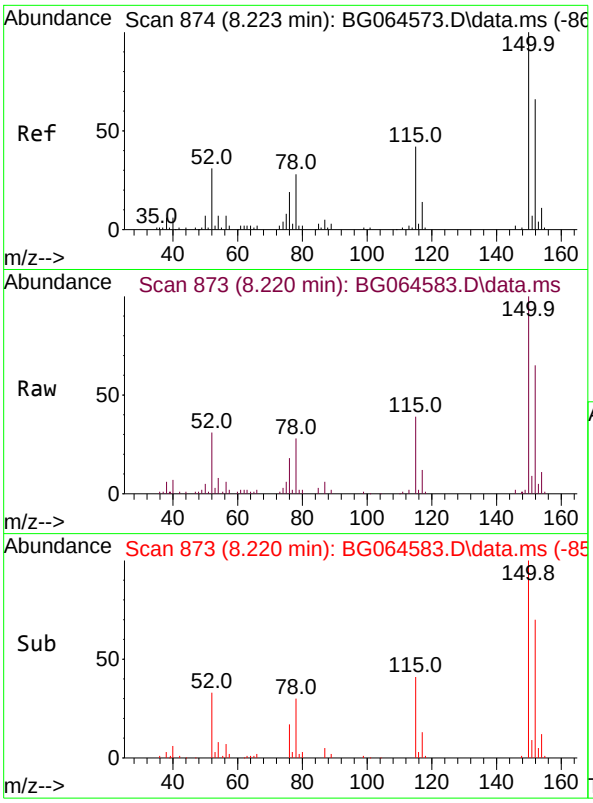
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



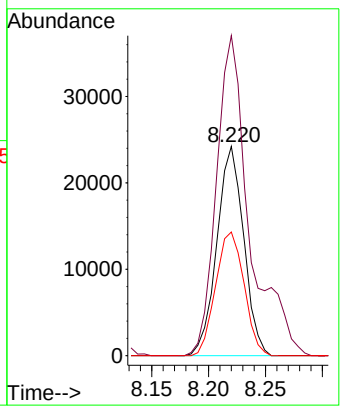


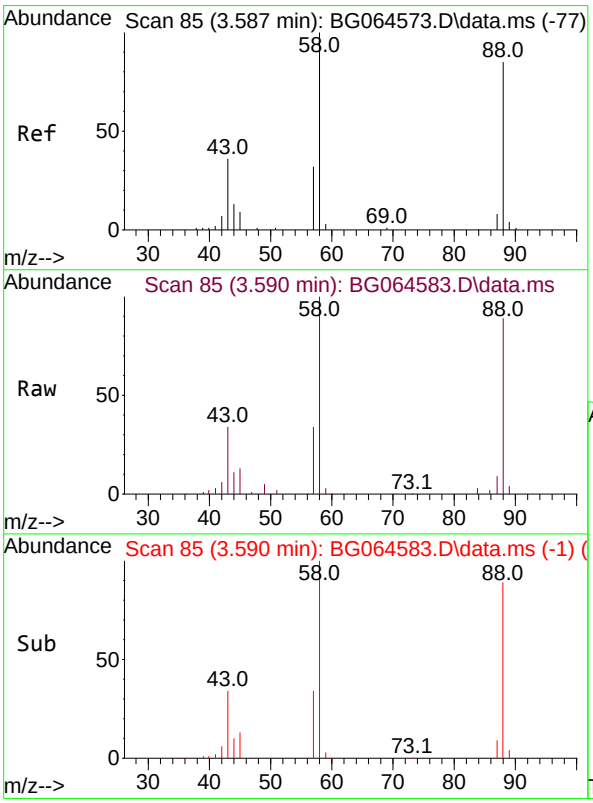
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 39737

Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.2	183.4
115	59.0	50.8	76.2

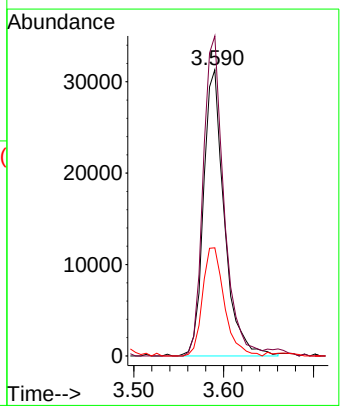


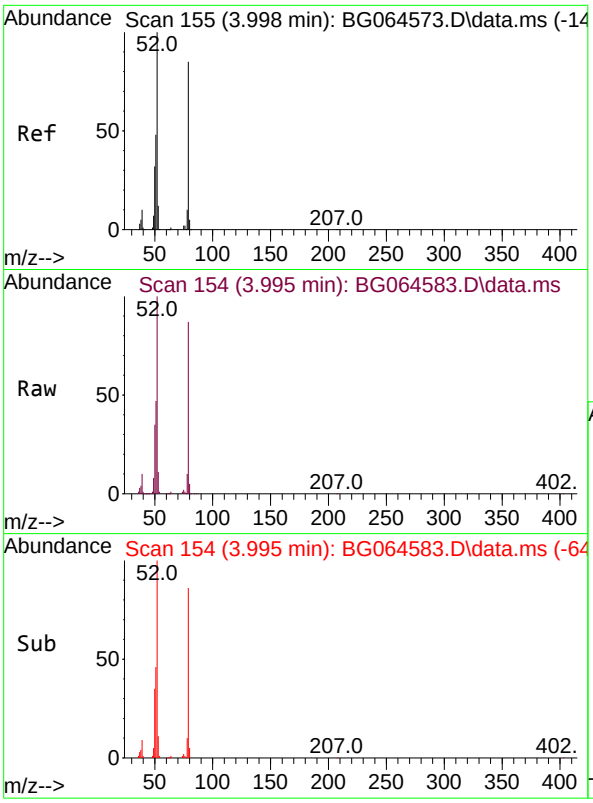


#2
1,4-Dioxane
Concen: 48.018 ng
RT: 3.590 min Scan# 85
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 88 Resp: 50329

Ion	Ratio	Lower	Upper
88	100		
58	111.3	92.4	138.6
43	39.5	33.0	49.6



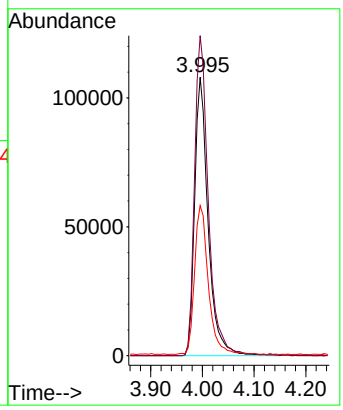


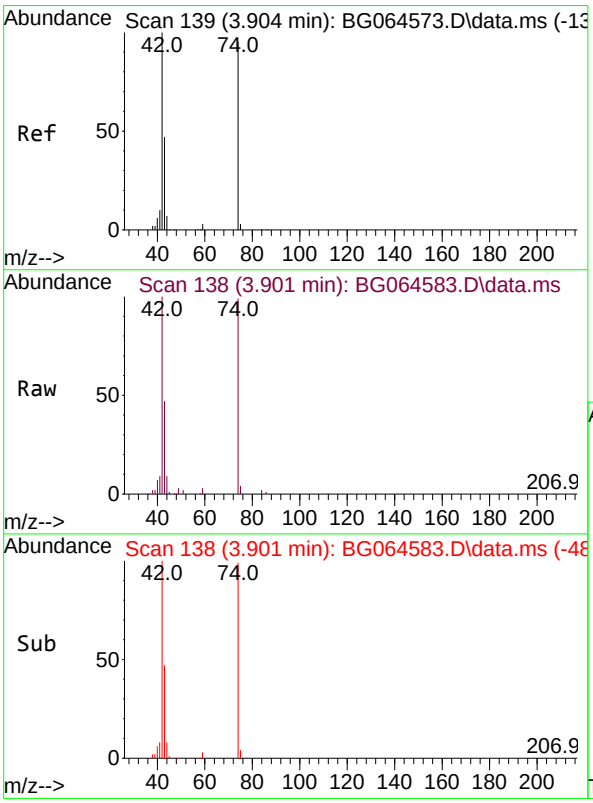
#3
Pyridine
Concen: 61.994 ng
RT: 3.995 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 195127

Ion	Ratio	Lower	Upper
79	100		
52	115.0	94.2	141.2
51	53.9	46.1	69.1

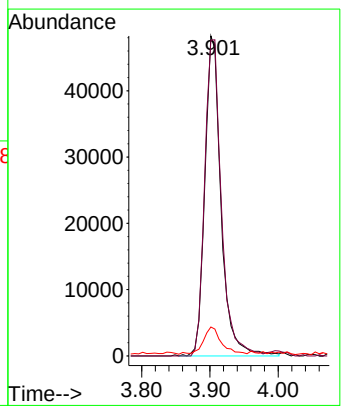


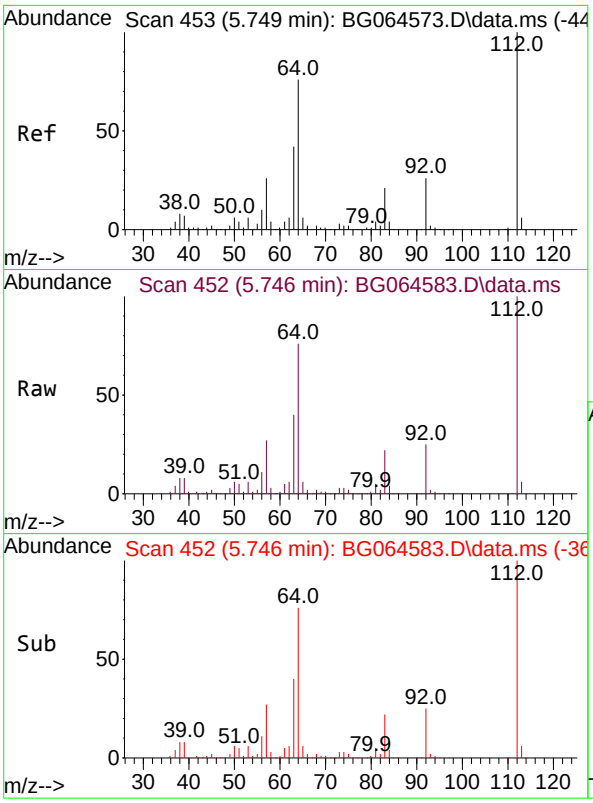


#4
n-Nitrosodimethylamine
Concen: 47.077 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 42 Resp: 79462

Ion	Ratio	Lower	Upper
42	100		
74	98.7	76.1	114.1
44	9.0	6.3	9.5



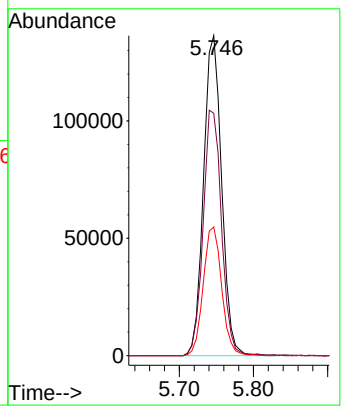


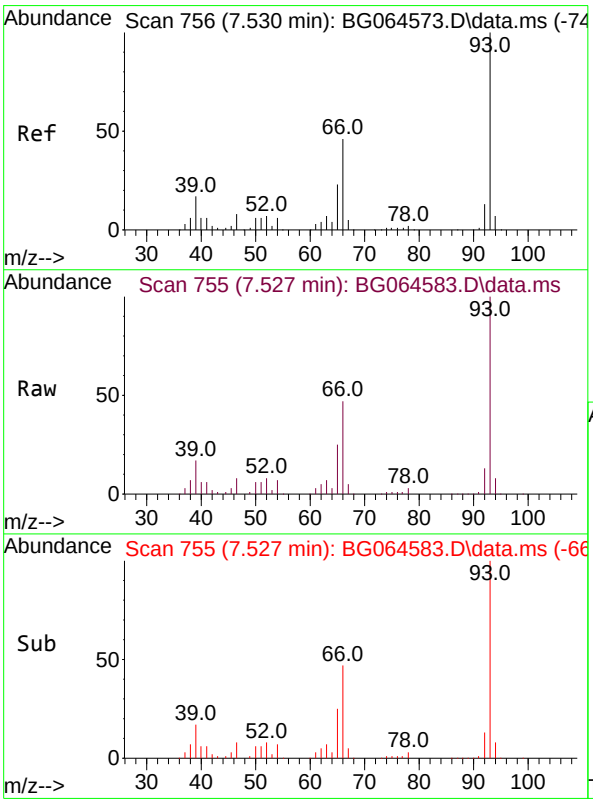
#5
2-Fluorophenol
Concen: 97.366 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 230506

Ion	Ratio	Lower	Upper
112	100		
64	75.7	60.7	91.1
63	40.2	33.4	50.0

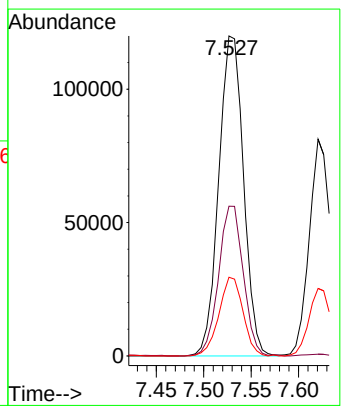


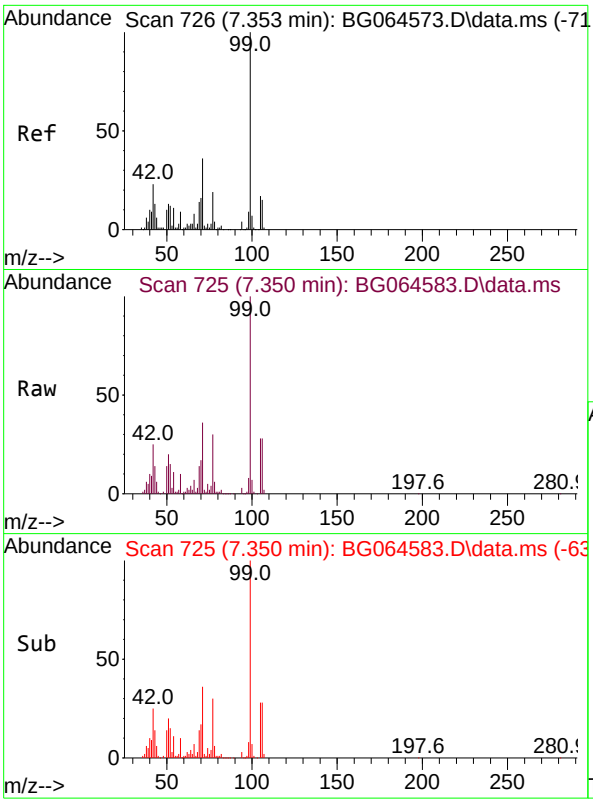


#6
Aniline
Concen: 49.338 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 93 Resp: 218097

Ion	Ratio	Lower	Upper
93	100		
66	46.8	37.0	55.6
65	24.6	18.3	27.5



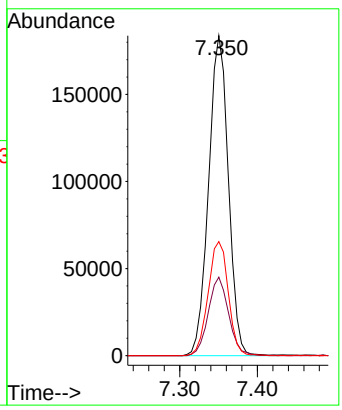


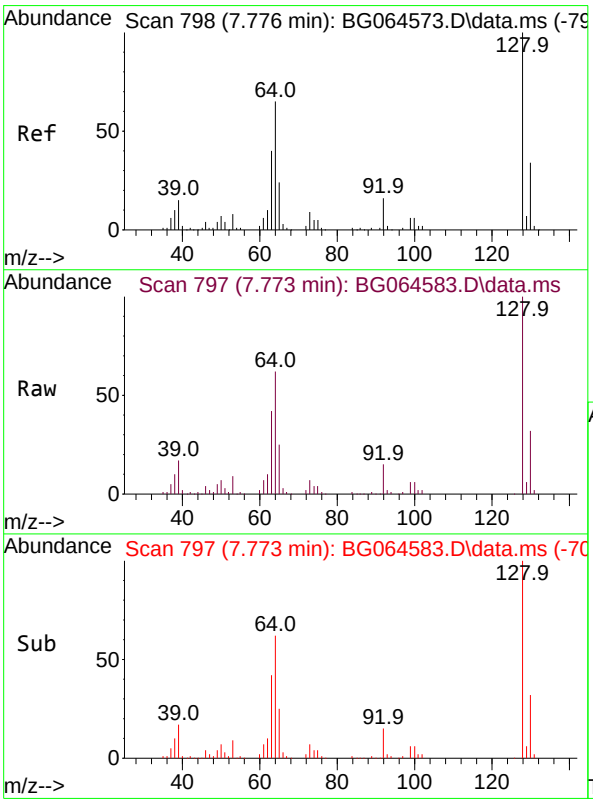
#7
Phenol-d6
Concen: 100.000 ng
RT: 7.350 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 324858

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.6	28.6	43.0

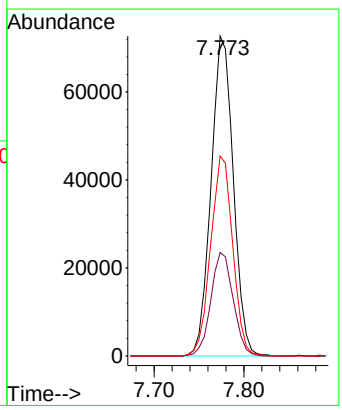


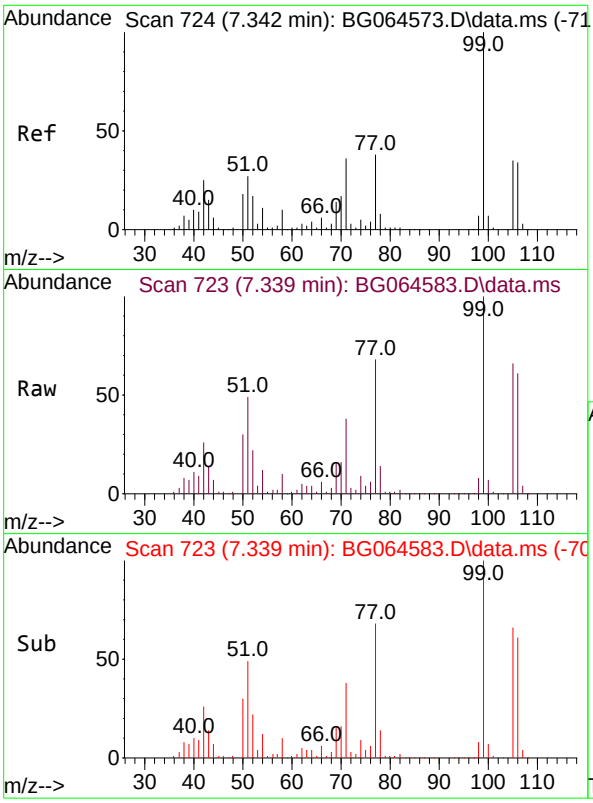


#8
2-Chlorophenol
Concen: 50.611 ng
RT: 7.773 min Scan# 797
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:128 Resp: 125412

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.5	53.5
64	62.5	45.2	85.2



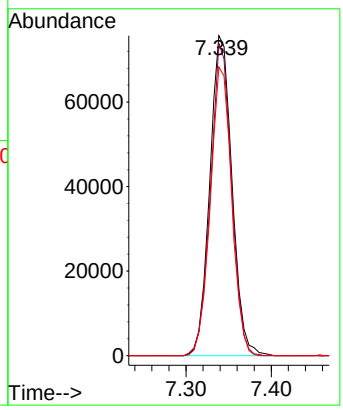


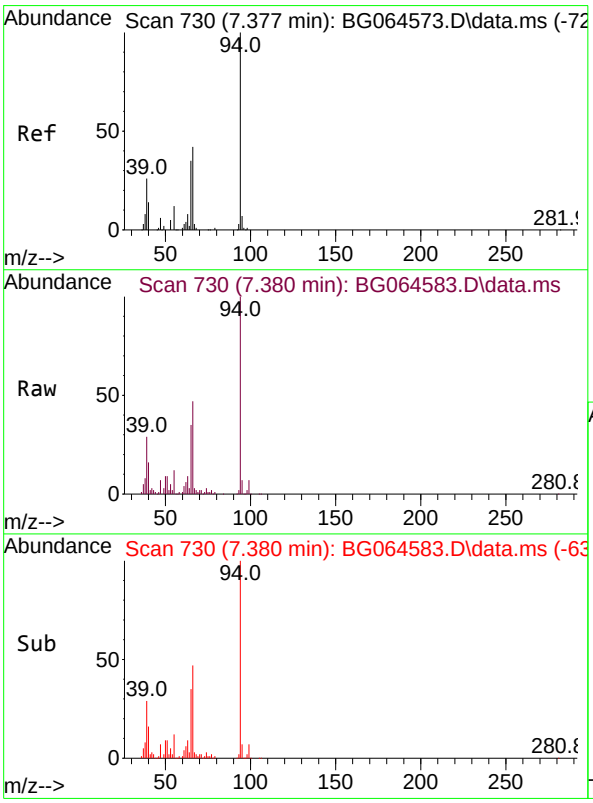
#9
Benzaldehyde
Concen: 76.923 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 136425

Ion	Ratio	Lower	Upper
77	100		
105	97.5	72.9	112.9
106	90.2	70.8	110.8

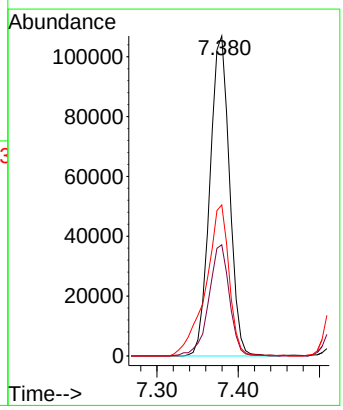


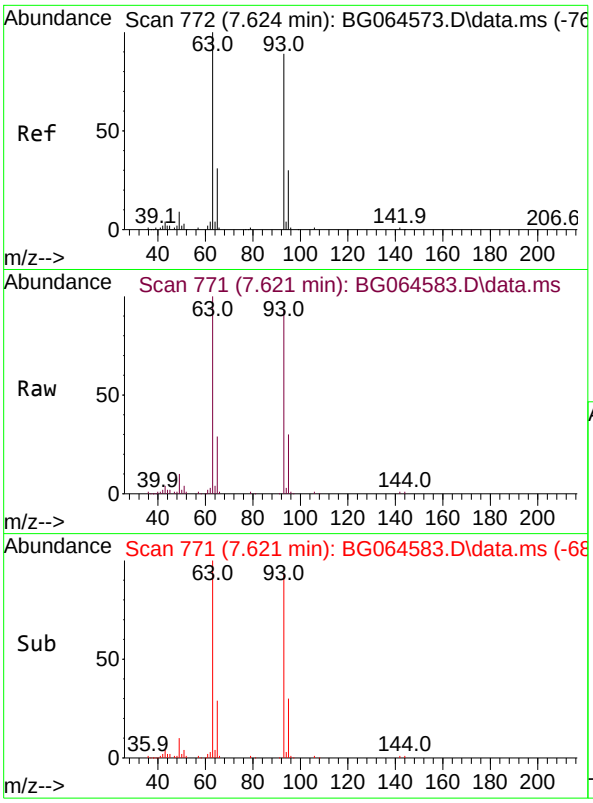


#10
Phenol
Concen: 49.835 ng
RT: 7.380 min Scan# 730
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 94 Resp: 179040

Ion	Ratio	Lower	Upper
94	100		
65	34.7	15.8	55.8
66	47.2	24.0	64.0



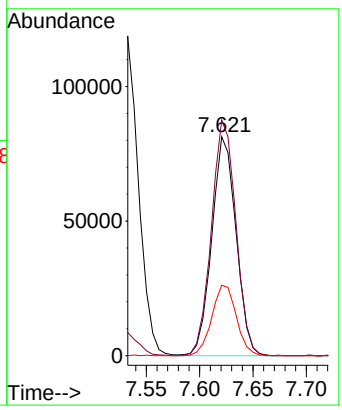


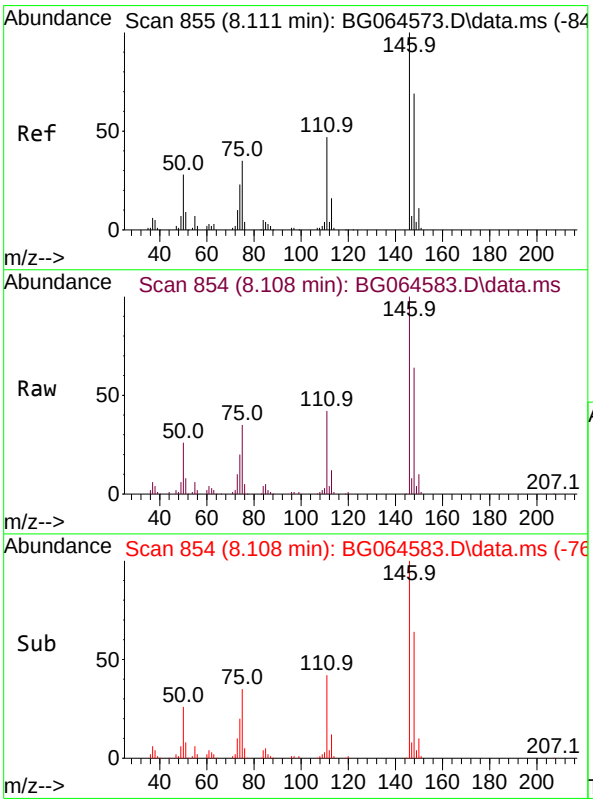
#11
bis(2-Chloroethyl)ether
Concen: 48.739 ng
RT: 7.621 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 128740

Ion	Ratio	Lower	Upper
93	100		
63	107.7	91.3	131.3
95	32.2	13.3	53.3

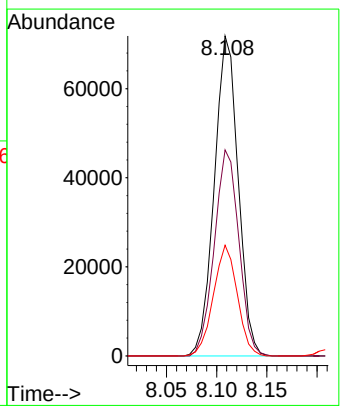


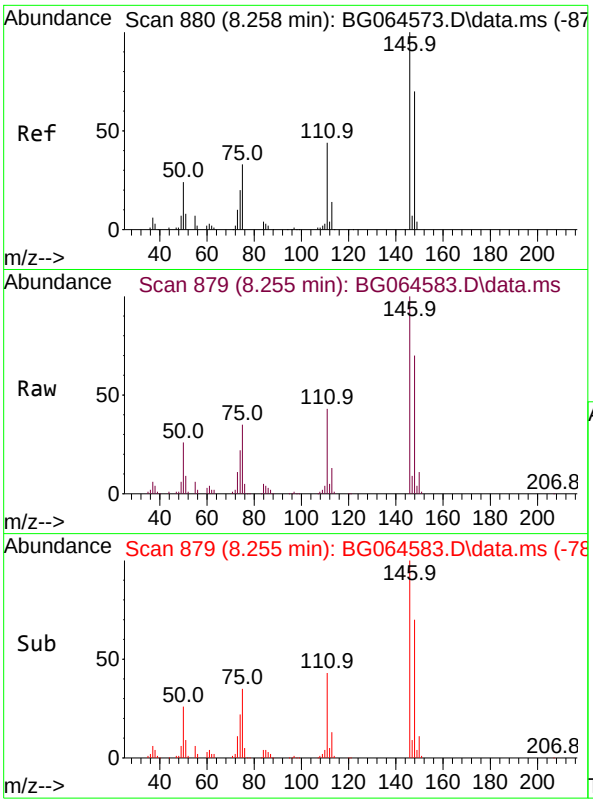


#12
1,3-Dichlorobenzene
Concen: 41.710 ng
RT: 8.108 min Scan# 854
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:146 Resp: 118958

Ion	Ratio	Lower	Upper
146	100		
148	64.4	55.3	82.9
75	34.6	28.2	42.2



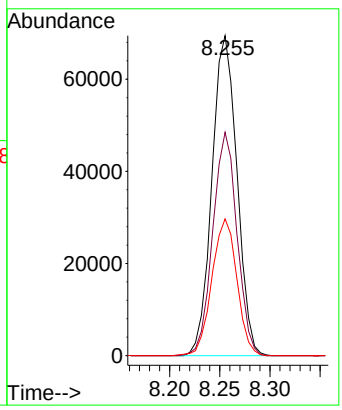


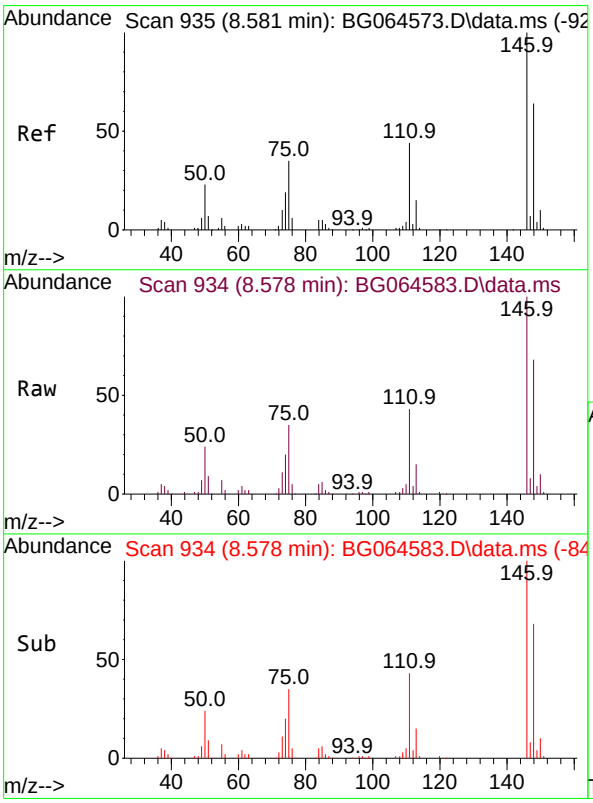
#13
1,4-Dichlorobenzene
Concen: 41.603 ng
RT: 8.255 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 120647

Ion	Ratio	Lower	Upper
146	100		
148	69.8	56.2	84.4
111	42.8	35.4	53.0

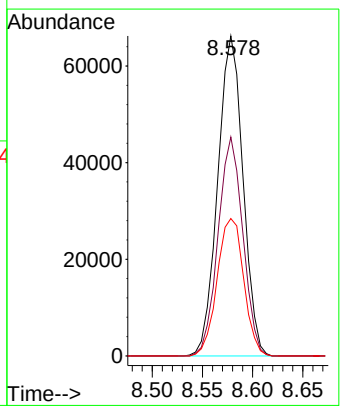


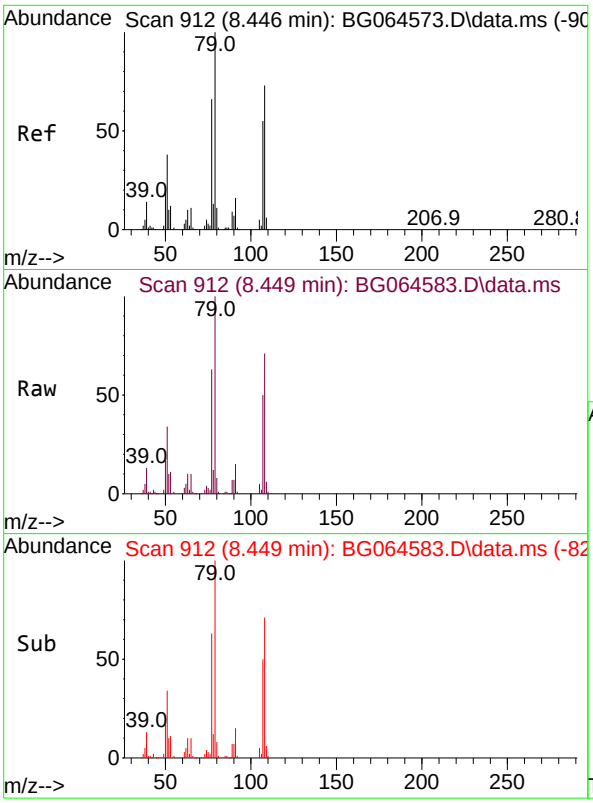


#14
1,2-Dichlorobenzene
Concen: 41.508 ng
RT: 8.578 min Scan# 934
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:146 Resp: 116103

Ion	Ratio	Lower	Upper
146	100		
148	68.4	51.5	77.3
111	43.0	35.0	52.6



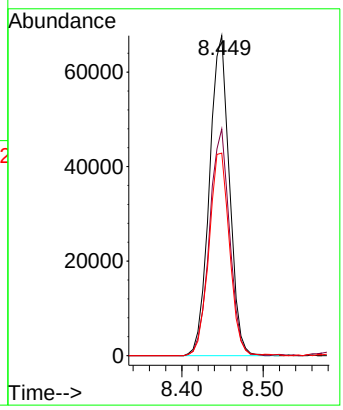


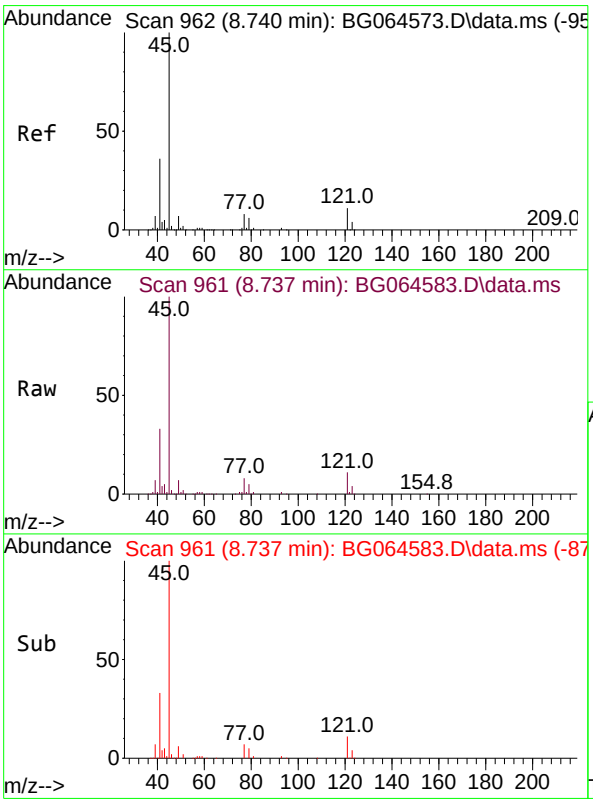
#15
Benzyl Alcohol
Concen: 43.062 ng
RT: 8.449 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 115357

Ion	Ratio	Lower	Upper
79	100		
108	70.8	58.1	87.1
77	63.3	52.8	79.2

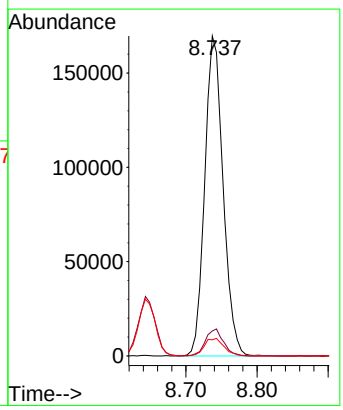


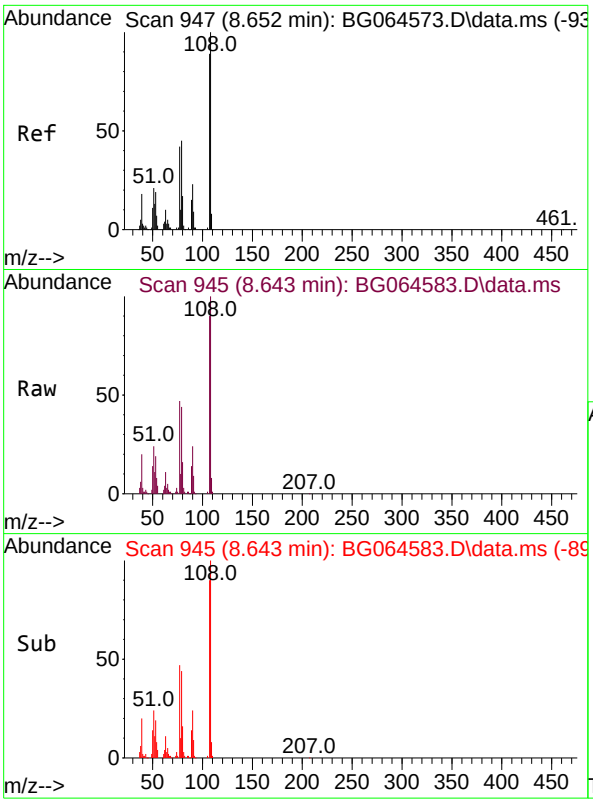


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.704 ng
RT: 8.737 min Scan# 961
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 45 Resp: 302812

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	5.0	0.0	25.6



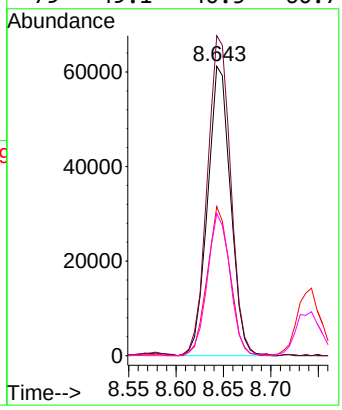


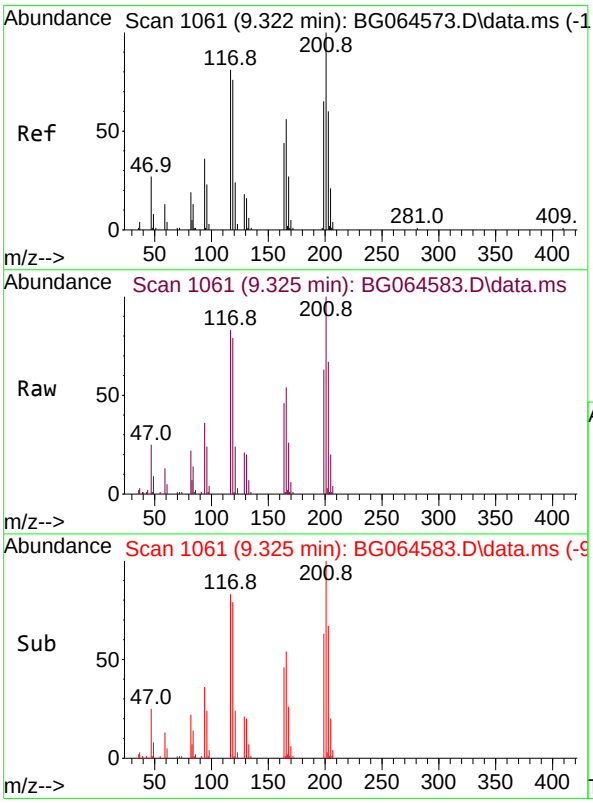
#17
2-Methylphenol
Concen: 43.353 ng
RT: 8.643 min Scan# 94
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 103411

Ion	Ratio	Lower	Upper
107	100		
108	110.6	90.0	135.0
77	51.5	37.8	56.8
79	49.1	40.5	60.7

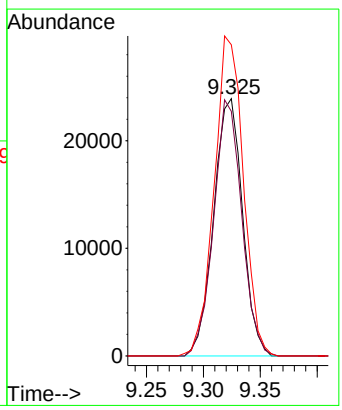


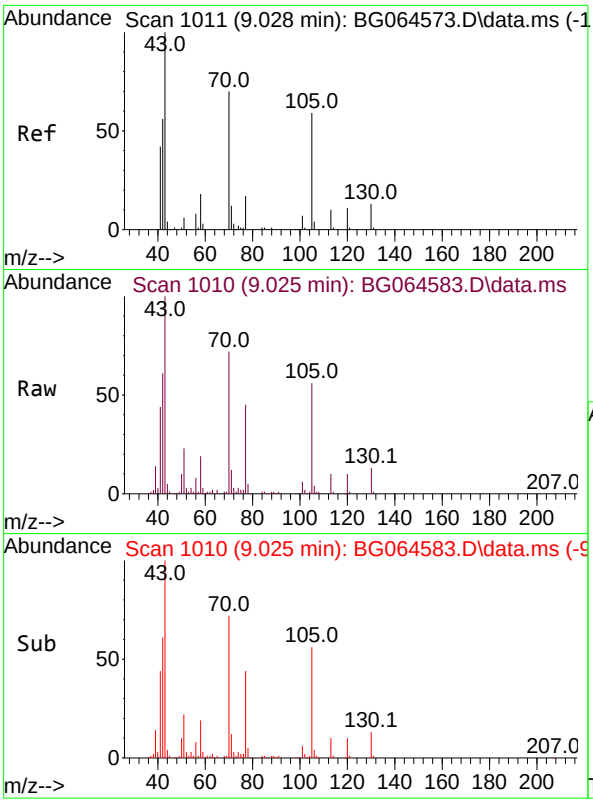


#18
Hexachloroethane
Concen: 41.409 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.4	113.2
201	120.9	99.2	148.8



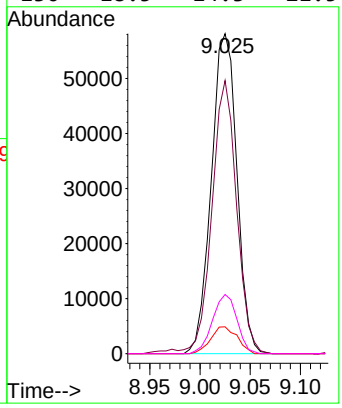


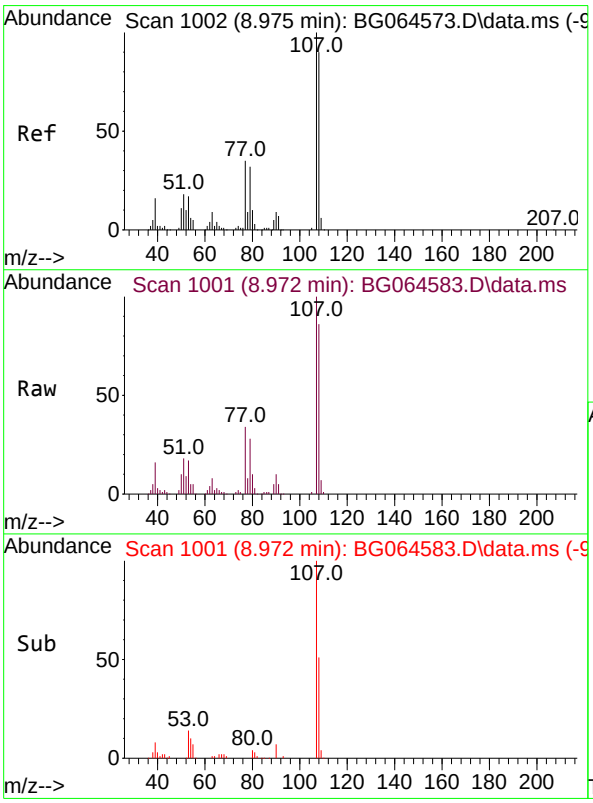
#19
n-Nitroso-di-n-propylamine
Concen: 45.972 ng
RT: 9.025 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 103213

Ion	Ratio	Lower	Upper
70	100		
42	85.3	65.2	97.8
101	8.4	7.9	11.9
130	18.5	14.3	21.5

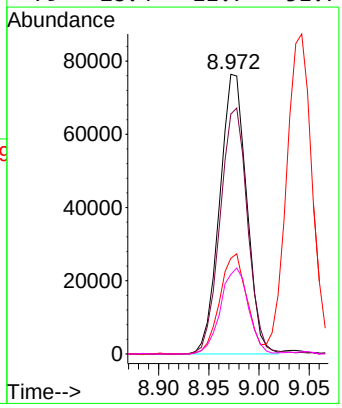


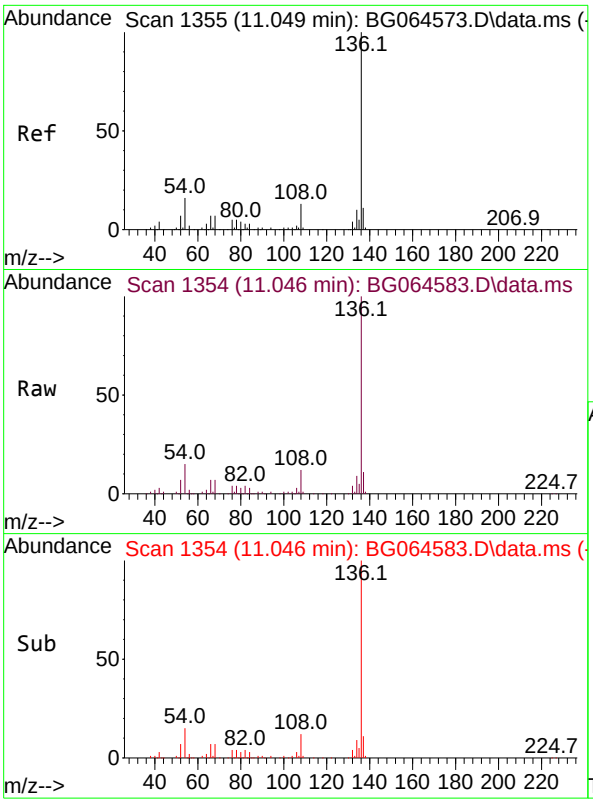


#20
3+4-Methylphenols
Concen: 42.591 ng
RT: 8.972 min Scan# 1001
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 142872

Ion	Ratio	Lower	Upper
107	100		
108	85.8	70.3	110.3
77	34.2	14.6	54.6
79	28.4	11.7	51.7



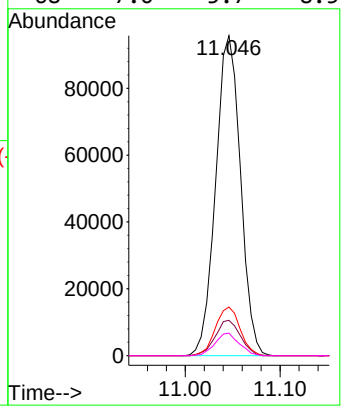


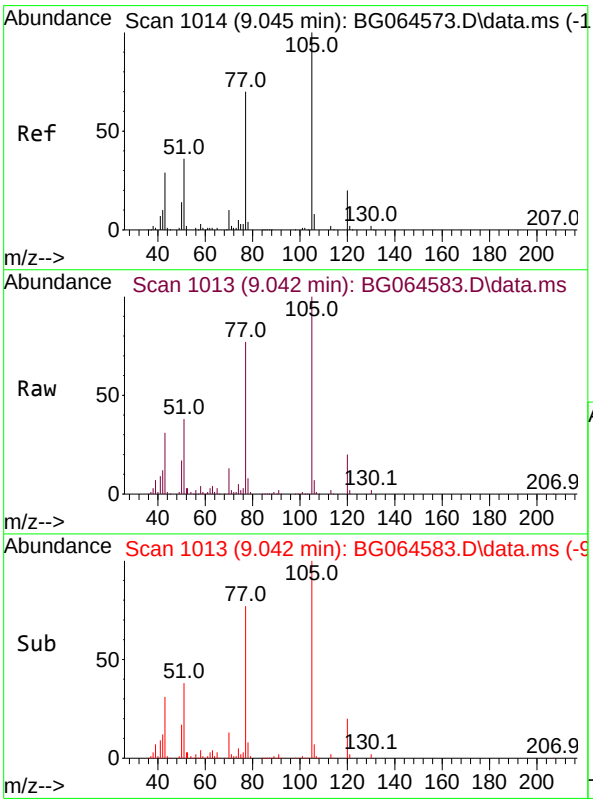
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 173874

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	15.2	12.6	19.0
68	7.0	5.7	8.5

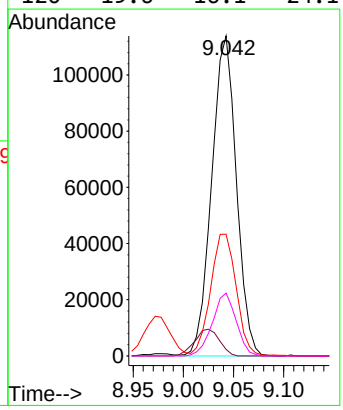


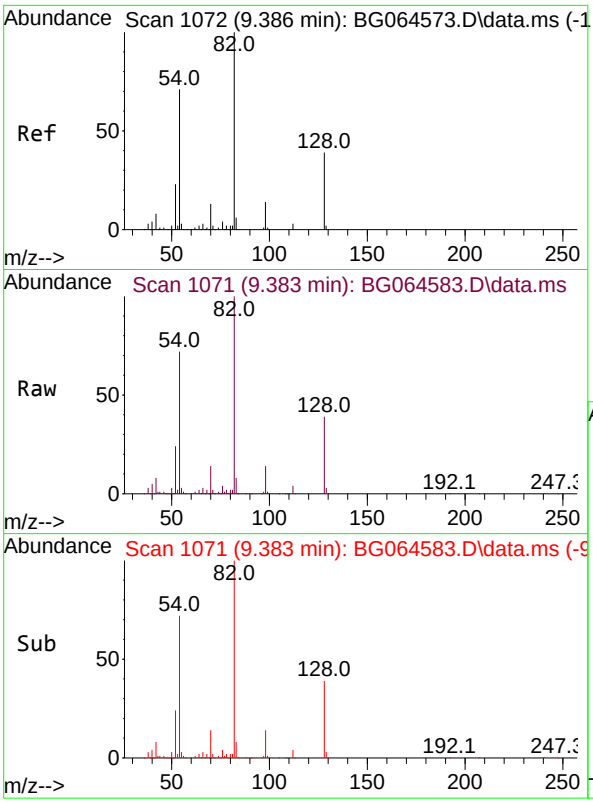


#22
Acetophenone
Concen: 41.032 ng
RT: 9.042 min Scan# 1013
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:105 Resp: 195028

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.5	2.3
51	38.0	33.7	50.5
120	19.6	16.1	24.1



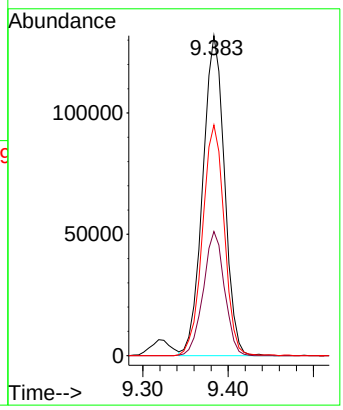


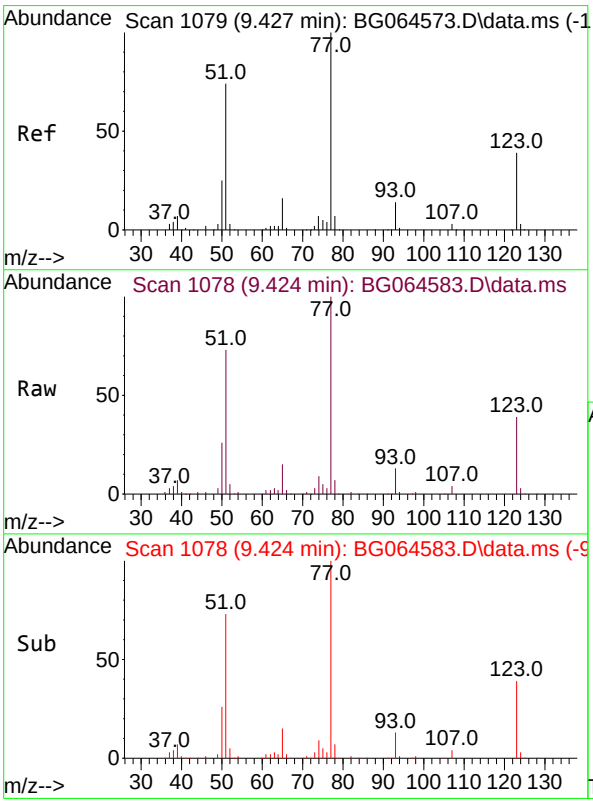
#23
Nitrobenzene-d5
Concen: 80.547 ng
RT: 9.383 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 233175

Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.3	46.9
54	72.1	56.6	84.8

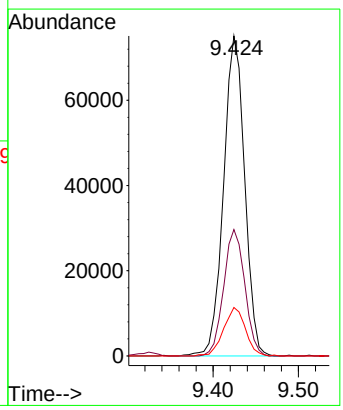


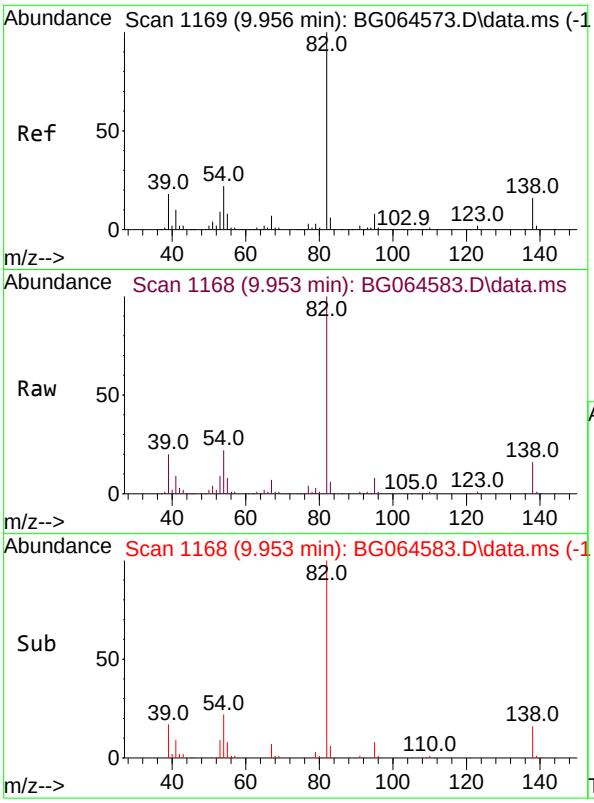


#24
Nitrobenzene
Concen: 40.927 ng
RT: 9.424 min Scan# 1078
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 77 Resp: 128864

Ion	Ratio	Lower	Upper
77	100		
123	39.5	31.0	46.6
65	15.1	12.7	19.1



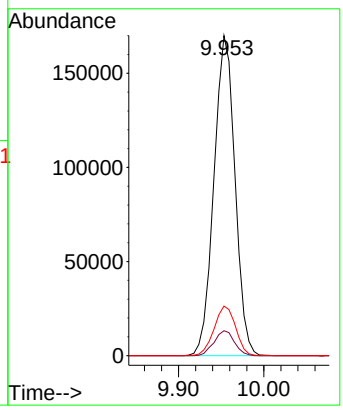


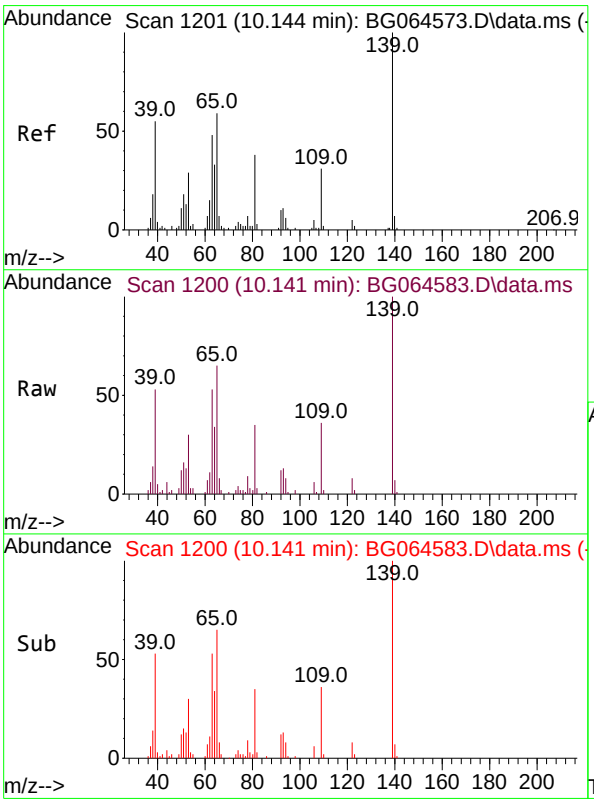
#25
Isophorone
Concen: 41.948 ng
RT: 9.953 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 291391

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.1	9.1
138	15.5	13.0	19.4

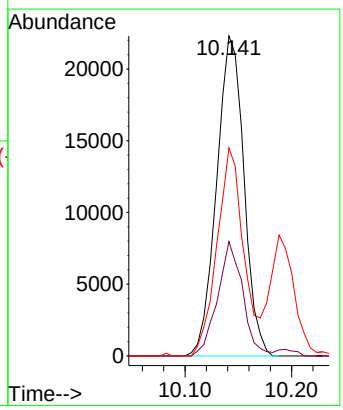


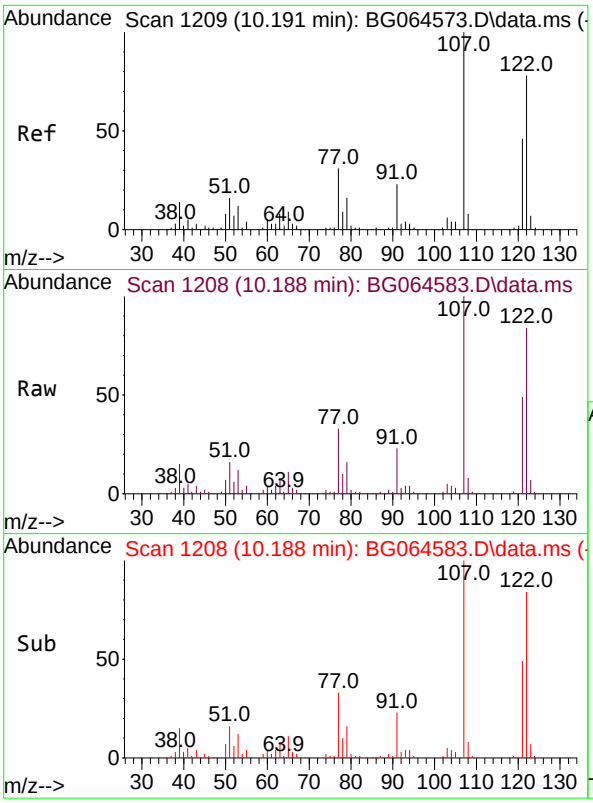


#26
2-Nitrophenol
Concen: 33.699 ng
RT: 10.141 min Scan# 1200
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:139 Resp: 39727

Ion	Ratio	Lower	Upper
139	100		
109	35.8	24.6	37.0
65	65.0	47.5	71.3



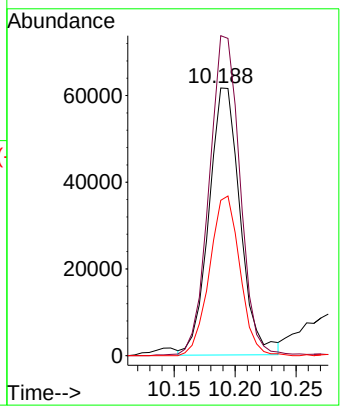


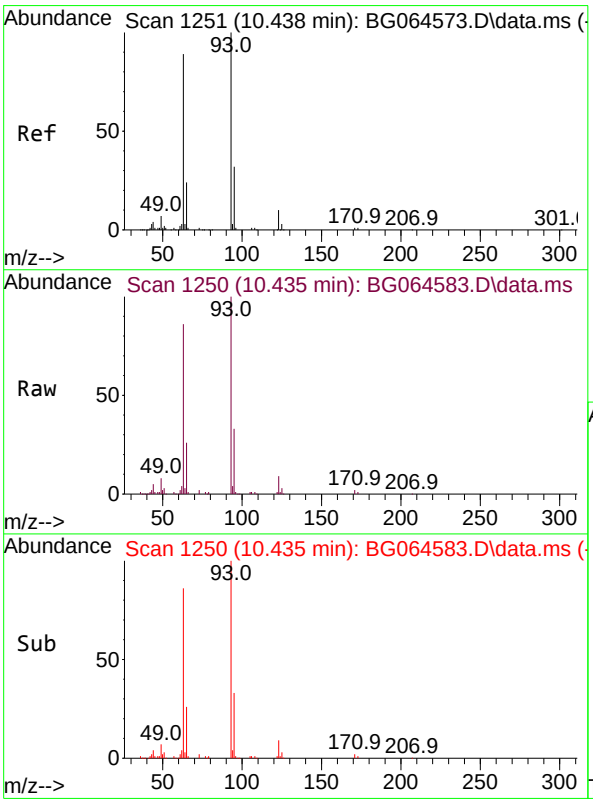
#27
2,4-Dimethylphenol
Concen: 42.557 ng
RT: 10.188 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 109961

Ion	Ratio	Lower	Upper
122	100		
107	119.6	103.0	154.4
121	58.0	47.8	71.8

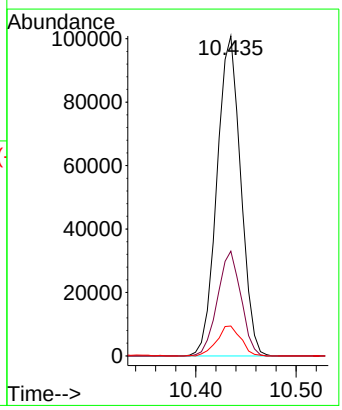


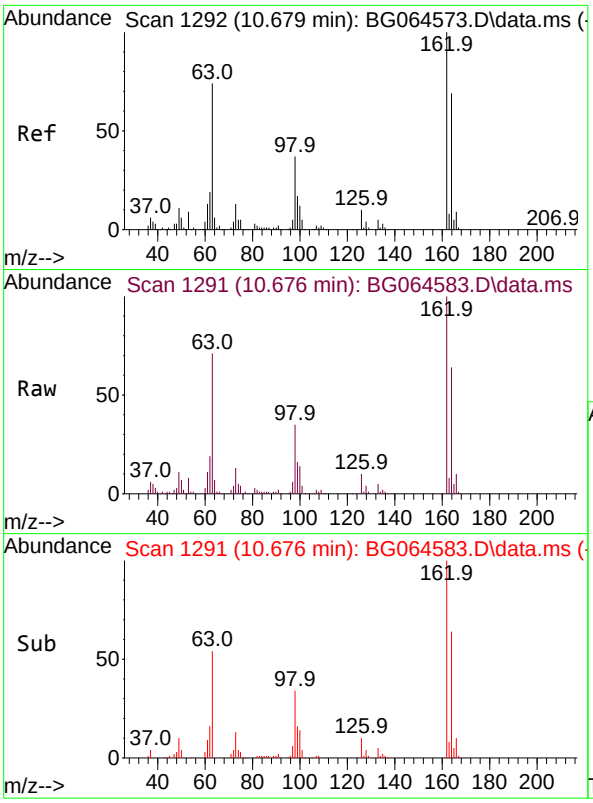


#28
bis(2-Chloroethoxy)methane
Concen: 41.969 ng
RT: 10.435 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 93 Resp: 165991

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	9.3	8.4	12.6



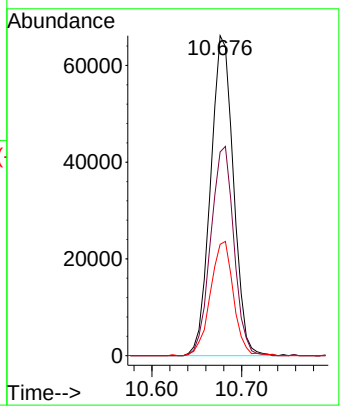


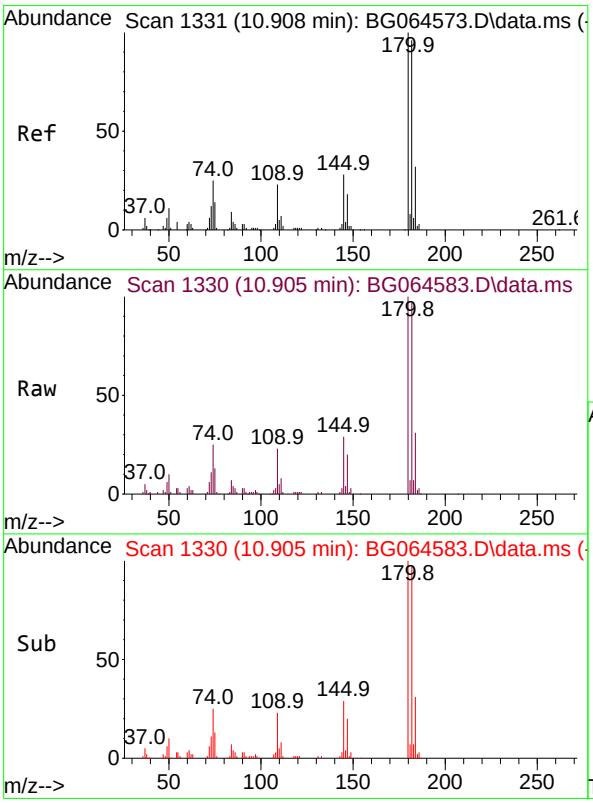
#29
2,4-Dichlorophenol
Concen: 42.048 ng
RT: 10.676 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 116926

Ion	Ratio	Lower	Upper
162	100		
164	63.6	48.7	88.7
98	34.8	16.9	56.9

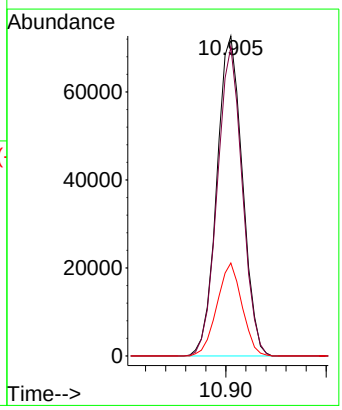


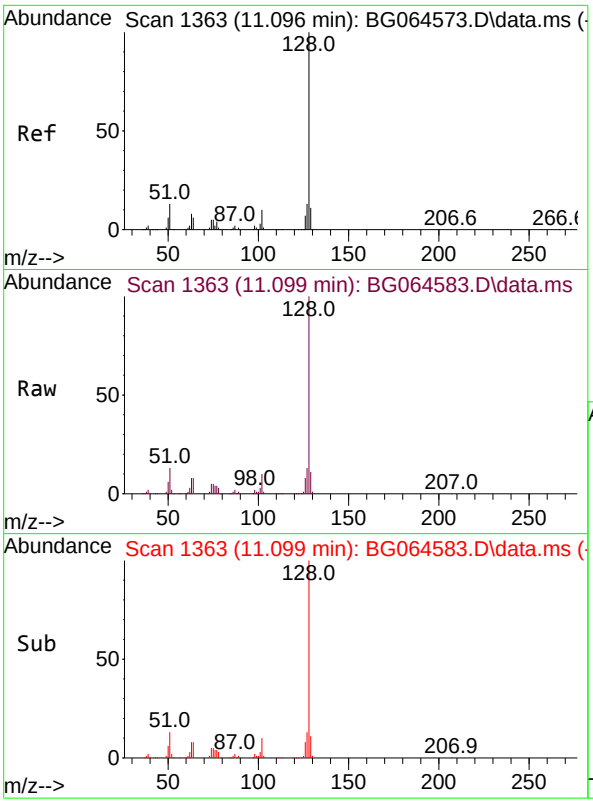


#30
1,2,4-Trichlorobenzene
Concen: 40.719 ng
RT: 10.905 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:180 Resp: 128652

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
145	29.0	22.1	33.1



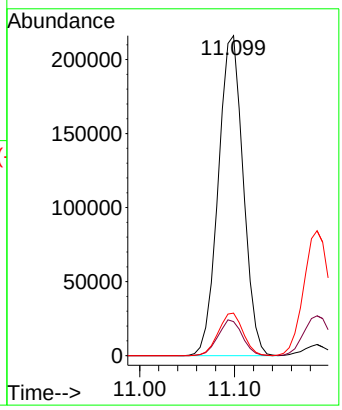


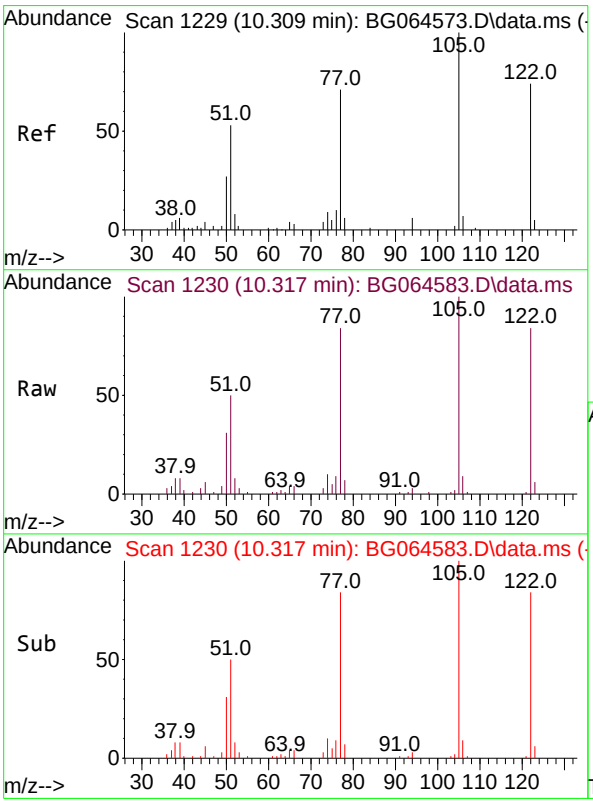
#31
Naphthalene
Concen: 40.895 ng
RT: 11.099 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 394232

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.3	10.6	15.8

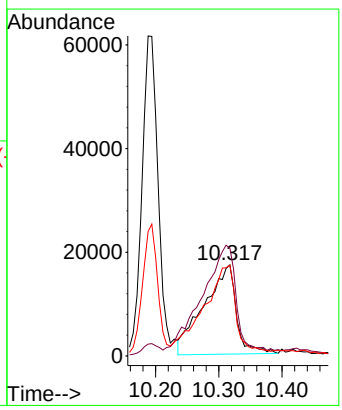


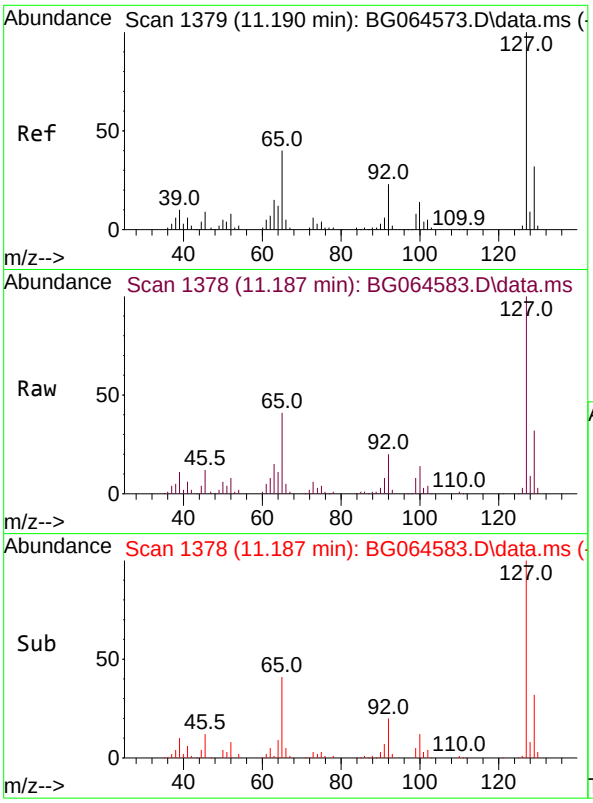


#32
Benzoic acid
Concen: 33.268 ng
RT: 10.317 min Scan# 1230
Delta R.T. 0.008 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:122 Resp: 61367

Ion	Ratio	Lower	Upper
122	100		
105	118.5	104.2	144.2
77	100.0	70.2	110.2



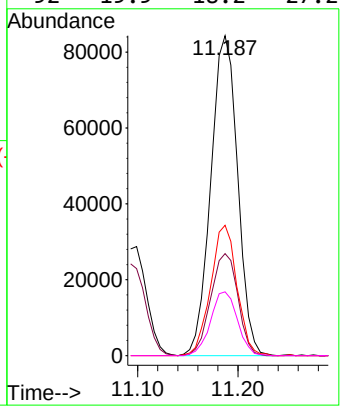


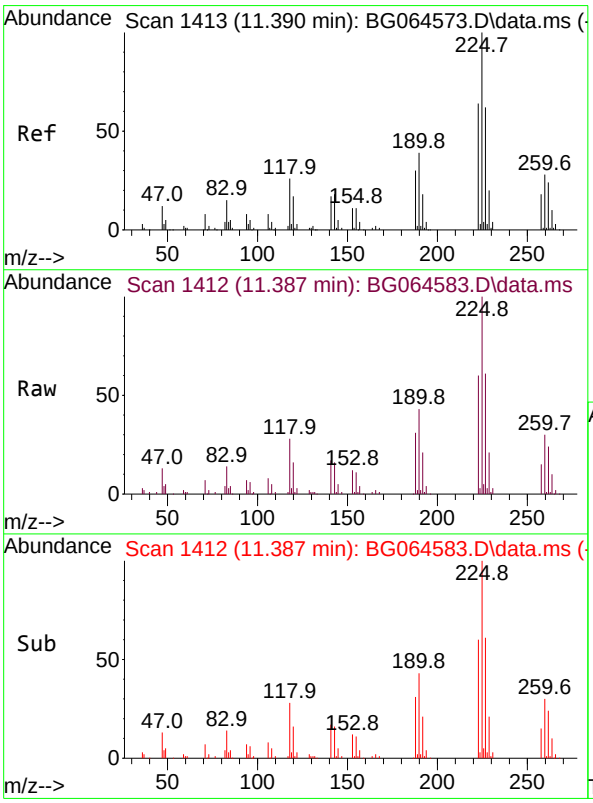
#33
4-Chloroaniline
Concen: 41.846 ng
RT: 11.187 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 156793

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.8	32.2	48.4
92	19.9	18.2	27.2

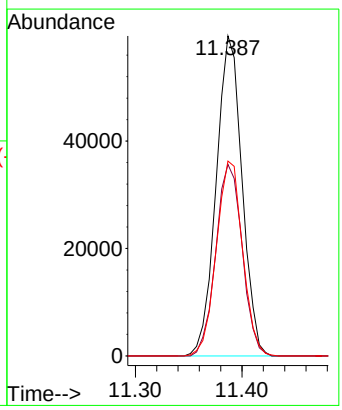


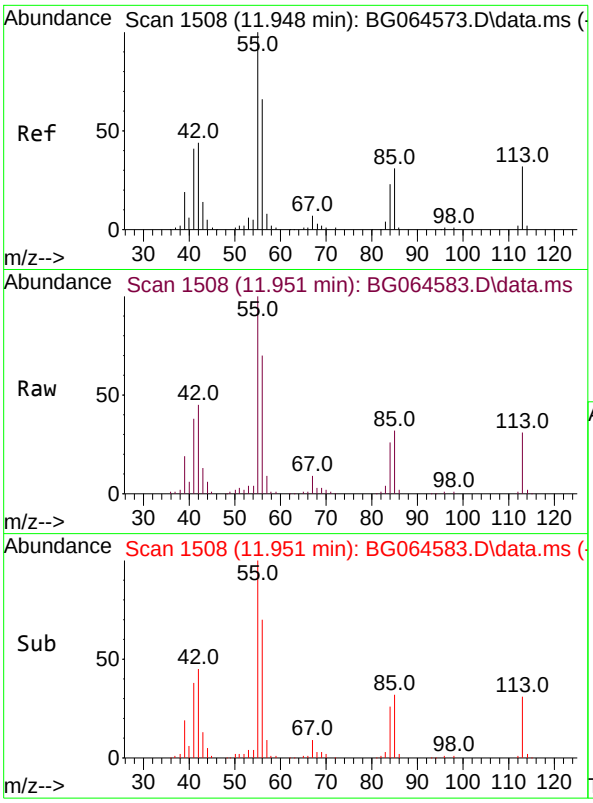


#34
Hexachlorobutadiene
Concen: 40.684 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:225 Resp: 100526

Ion	Ratio	Lower	Upper
225	100		
223	59.9	48.8	73.2
227	60.6	49.5	74.3



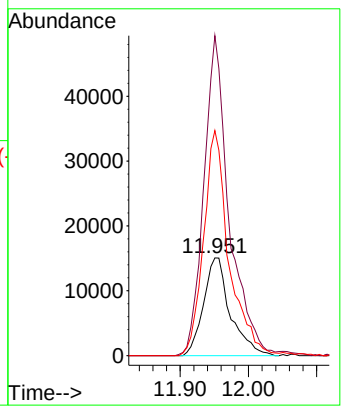


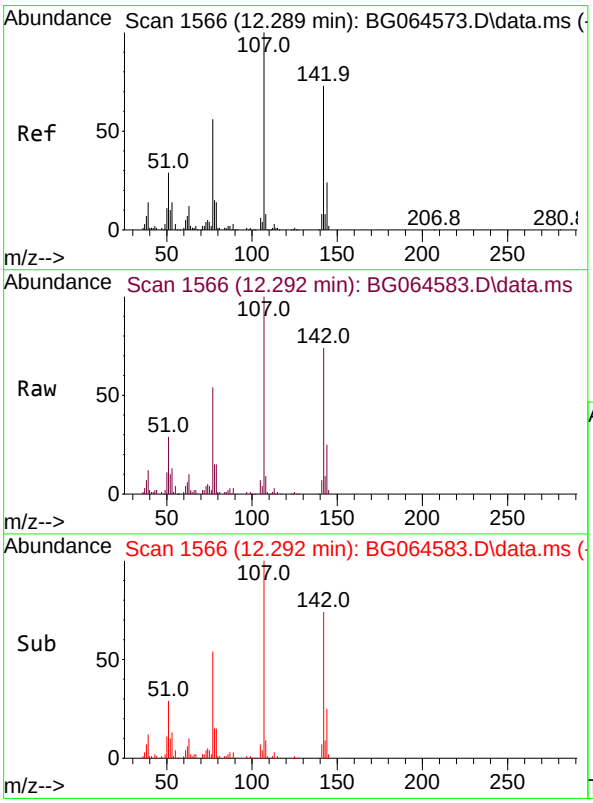
#35
Caprolactam
Concen: 38.487 ng
RT: 11.951 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 41048

Ion	Ratio	Lower	Upper
113	100		
55	327.6	290.1	330.1
56	230.3	183.8	223.8#

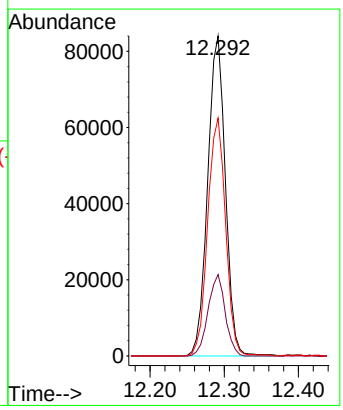


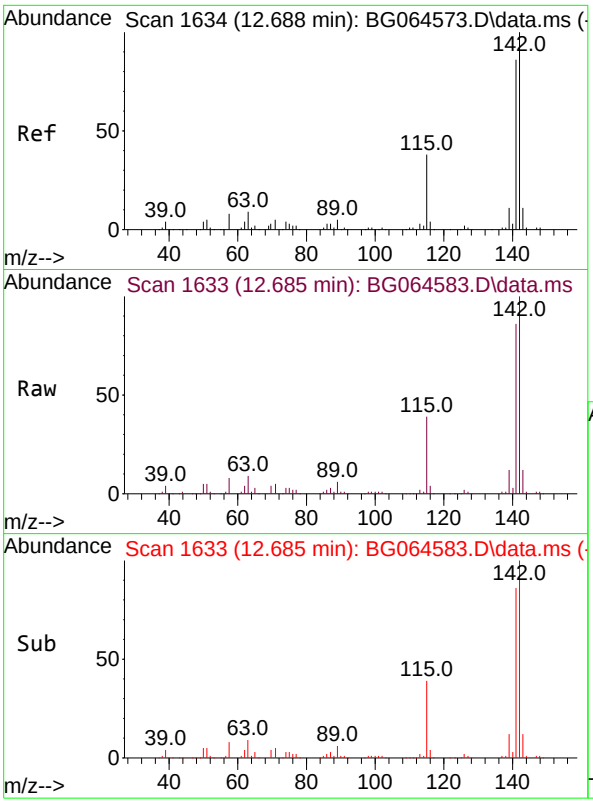


#36
4-Chloro-3-methylphenol
Concen: 41.668 ng
RT: 12.292 min Scan# 1566
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 139274

Ion	Ratio	Lower	Upper
107	100		
144	25.4	19.1	28.7
142	74.3	58.6	87.8



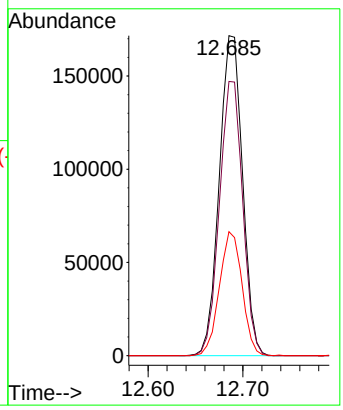


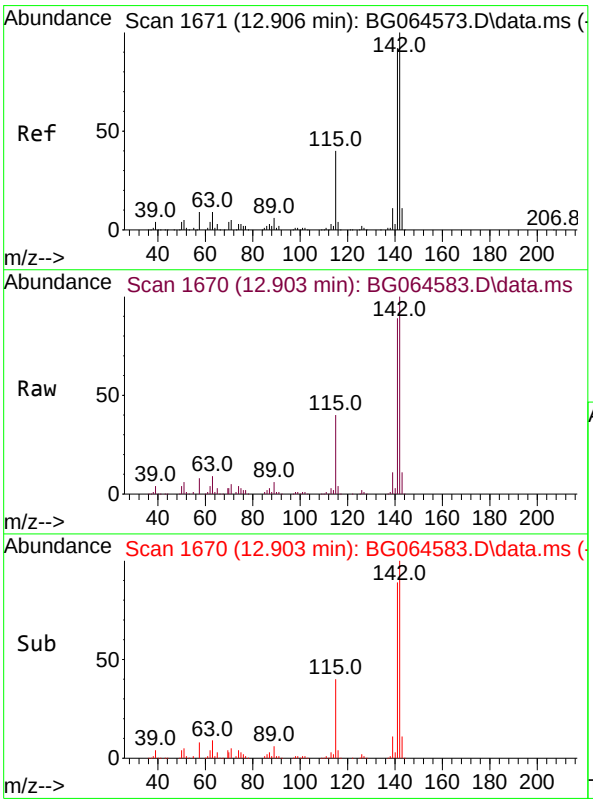
#37
2-Methylnaphthalene
Concen: 41.357 ng
RT: 12.685 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 292711

Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.9	103.3
115	38.7	30.6	46.0

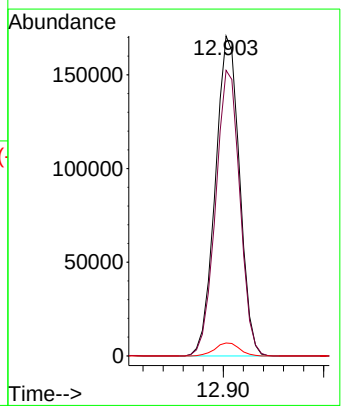


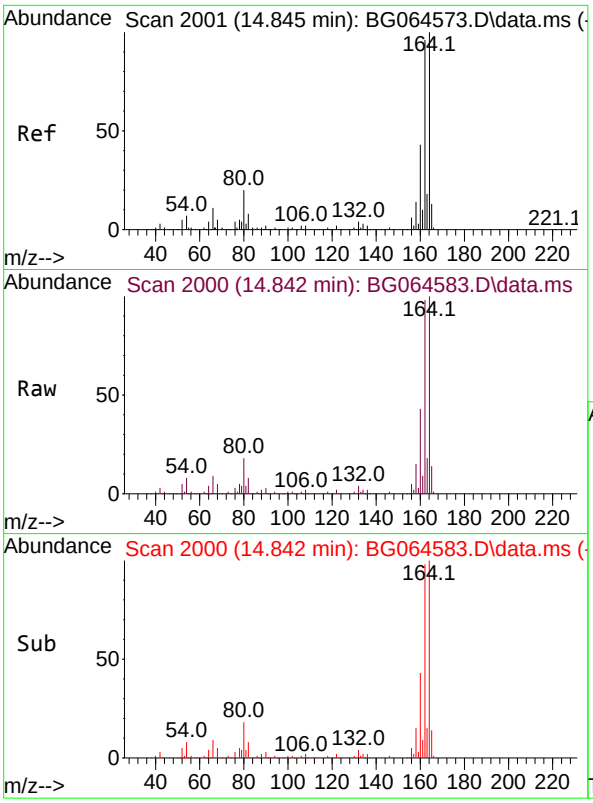


#38
1-Methylnaphthalene
Concen: 40.851 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:142 Resp: 286227

Ion	Ratio	Lower	Upper
142	100		
141	89.2	73.3	109.9
116	4.0	3.1	4.7



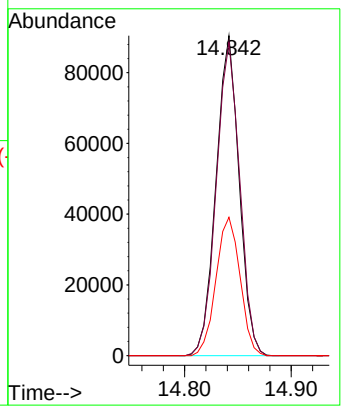


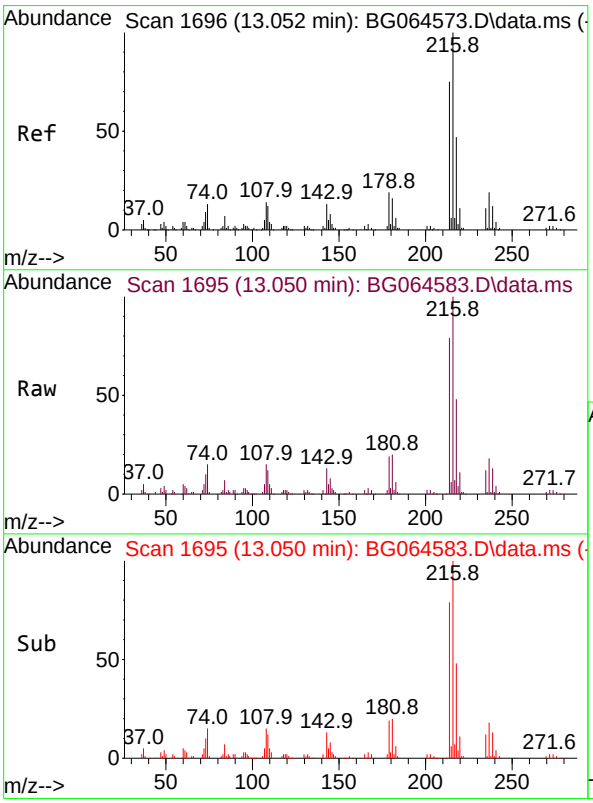
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 136456

Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.0	115.6
160	43.2	34.4	51.6

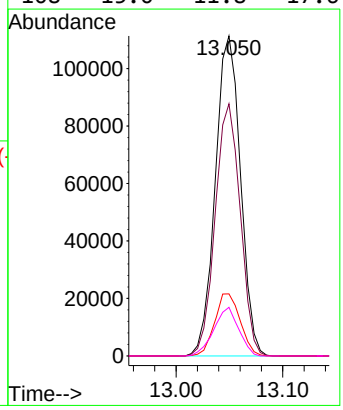


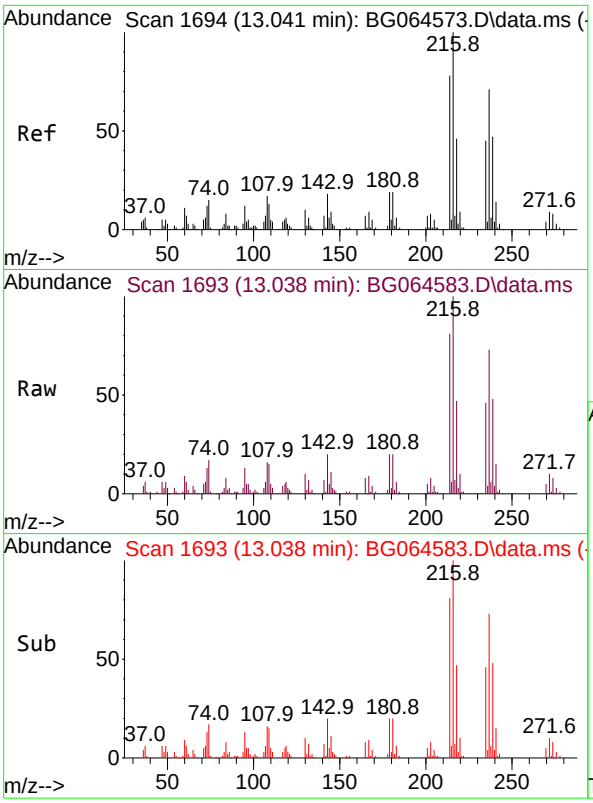


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.969 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:216 Resp: 183039

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.4	92.2
179	19.6	15.4	23.0
108	15.0	11.8	17.6



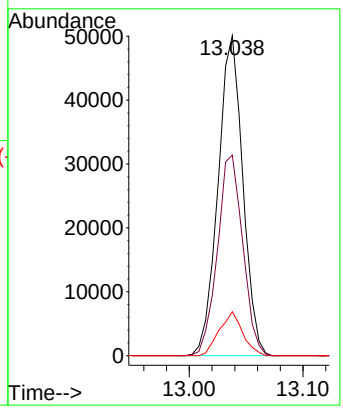


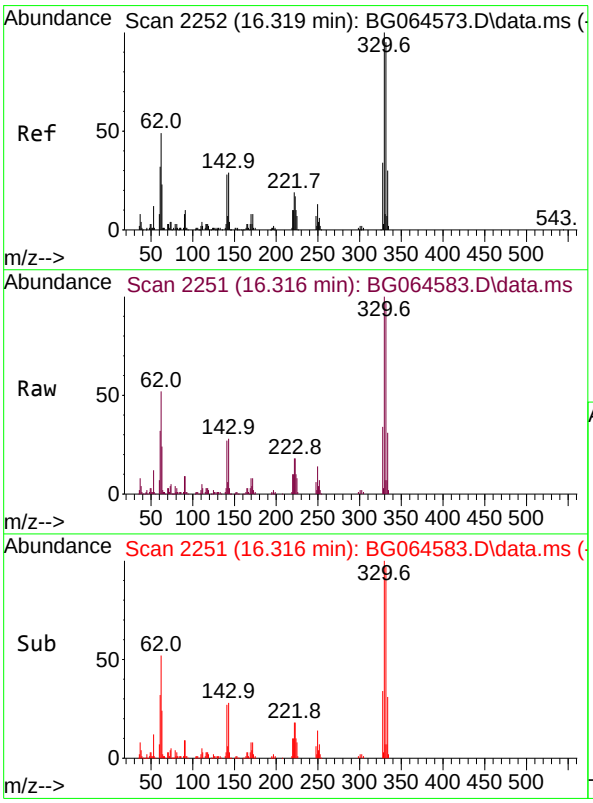
#41
Hexachlorocyclopentadiene
Concen: 36.818 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 75893

Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.1	84.1
272	13.7	0.0	32.4

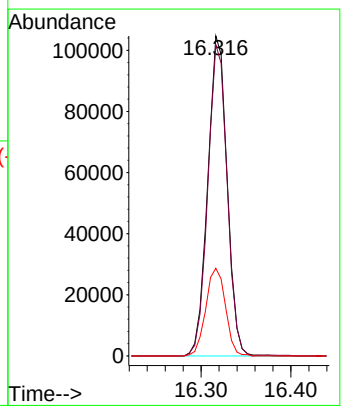


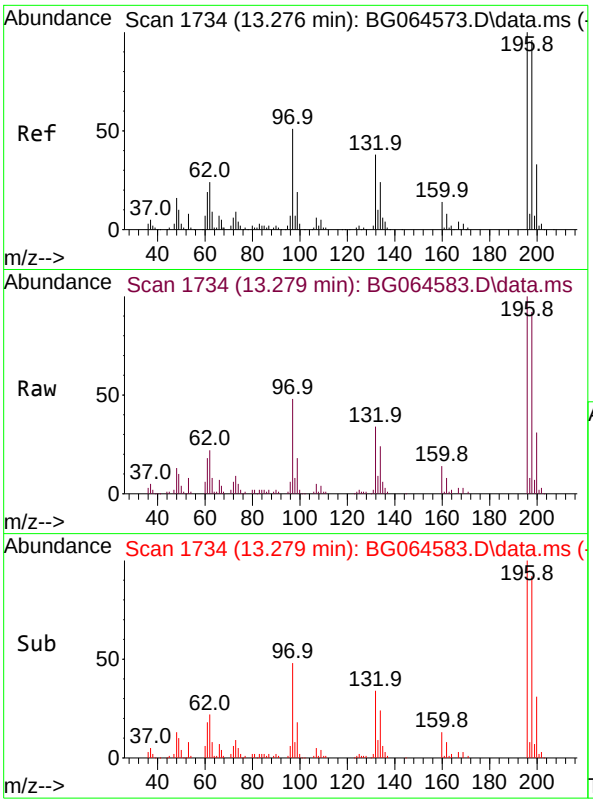


#42
2,4,6-Tribromophenol
Concen: 79.732 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:330 Resp: 157029

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	27.7	21.8	32.6



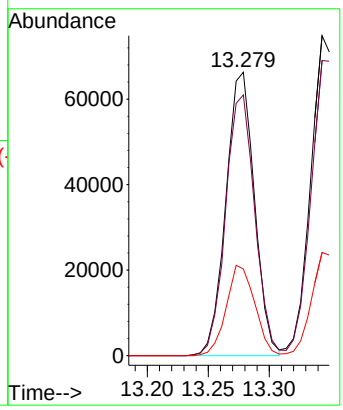


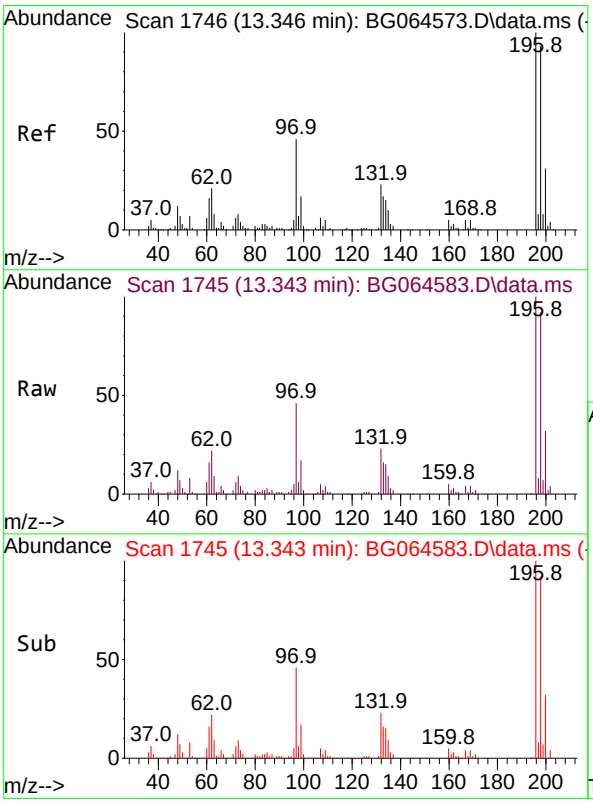
#43
2,4,6-Trichlorophenol
Concen: 41.278 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 108131

Ion	Ratio	Lower	Upper
196	100		
198	92.0	76.6	115.0
200	30.6	26.0	39.0

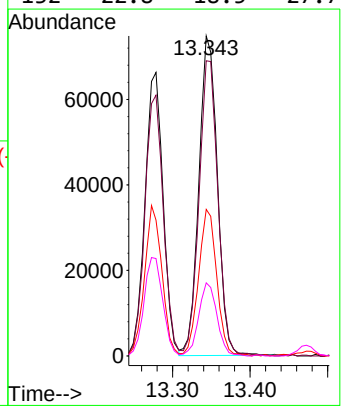


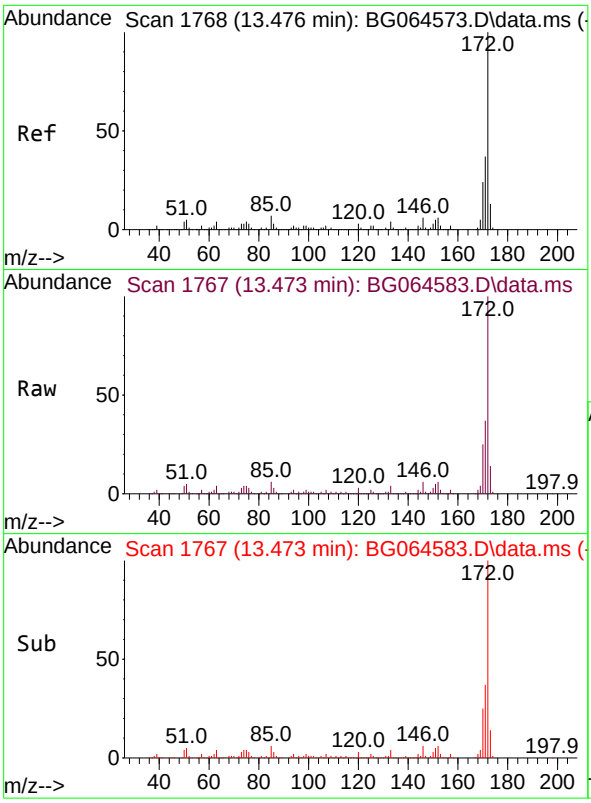


#44
2,4,5-Trichlorophenol
Concen: 41.000 ng
RT: 13.343 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:196 Resp: 123941

Ion	Ratio	Lower	Upper
196	100		
198	92.2	74.2	111.4
97	45.8	37.0	55.6
132	22.8	18.5	27.7



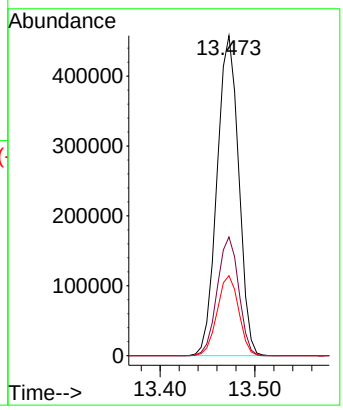


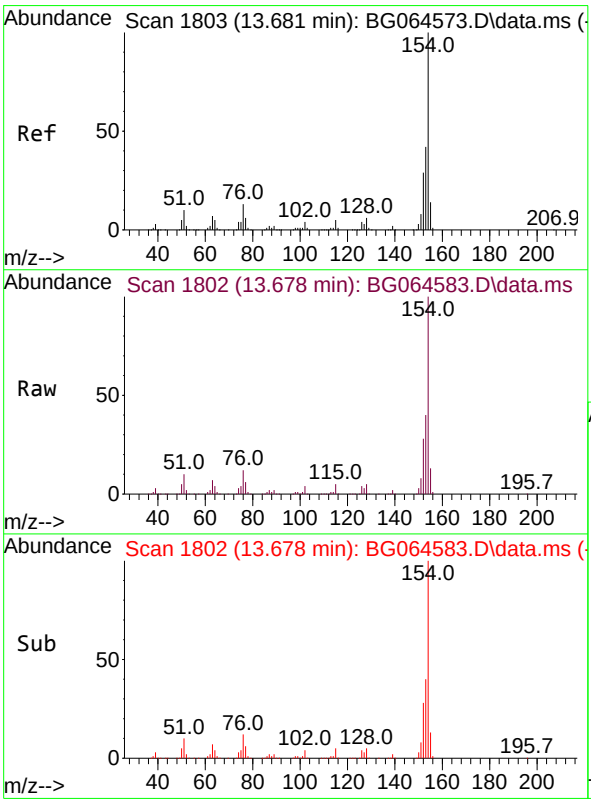
#45
2-Fluorobiphenyl
Concen: 80.739 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 726855

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	25.0	19.1	28.7

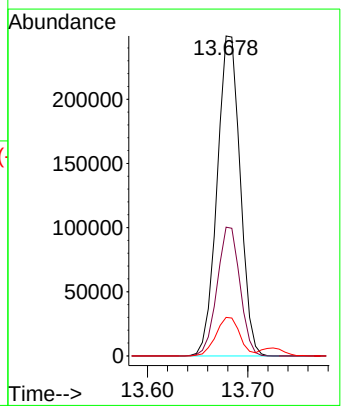


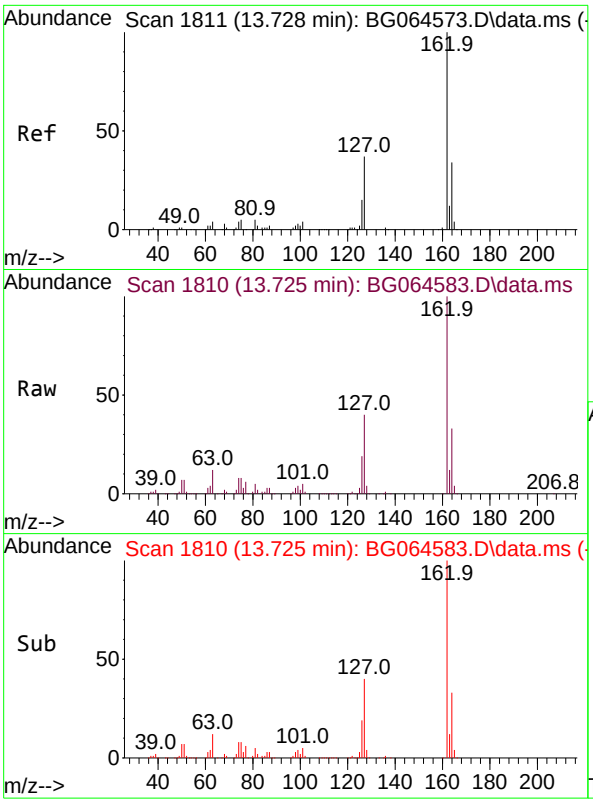


#46
1,1'-Biphenyl
Concen: 41.012 ng
RT: 13.678 min Scan# 1802
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:154 Resp: 397857

Ion	Ratio	Lower	Upper
154	100		
153	40.2	22.4	62.4
76	12.0	0.0	33.5



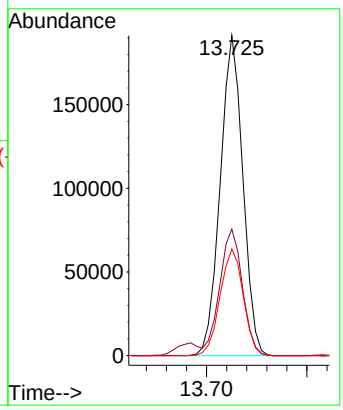


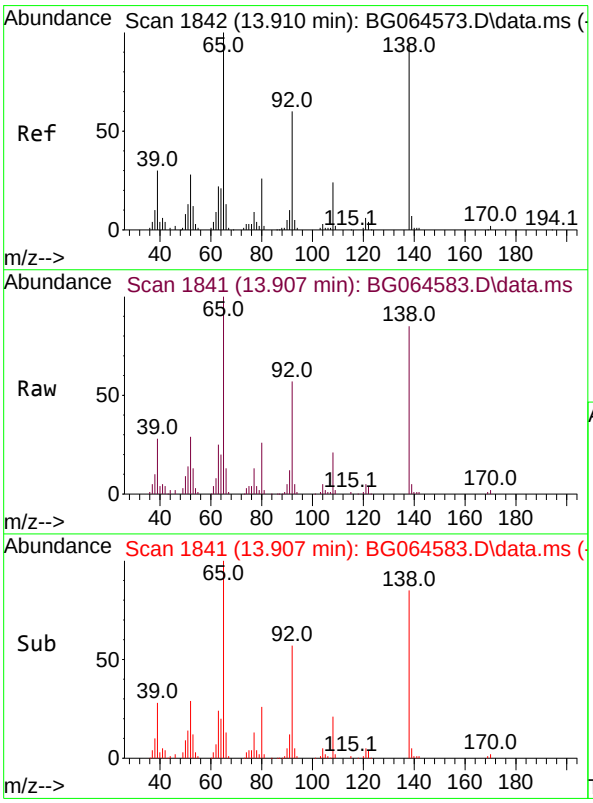
#47
2-Chloronaphthalene
Concen: 40.928 ng
RT: 13.725 min Scan# 18
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 299701

Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.2	48.2
164	33.3	27.5	41.3

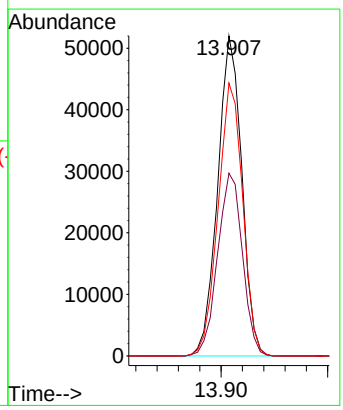


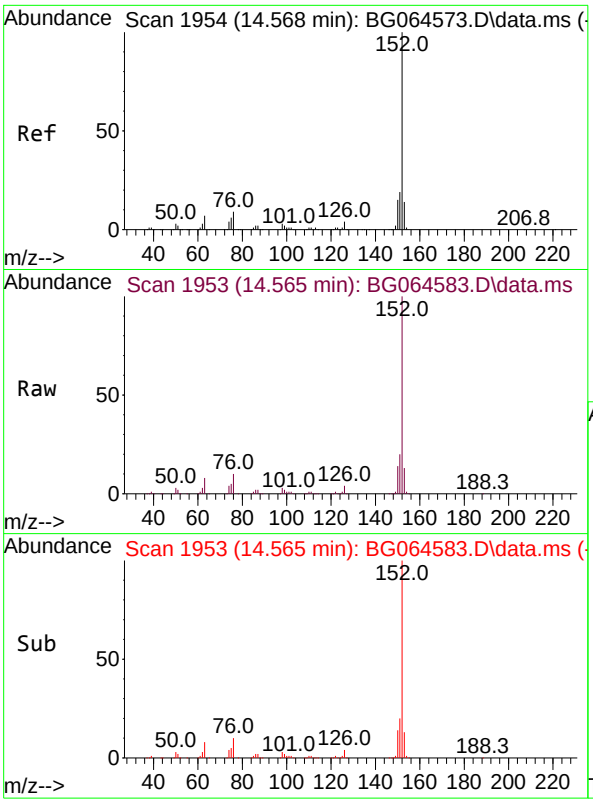


#48
2-Nitroaniline
Concen: 34.152 ng
RT: 13.907 min Scan# 1841
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 65 Resp: 81503

Ion	Ratio	Lower	Upper
65	100		
92	57.1	48.3	72.5
138	85.2	74.9	112.3



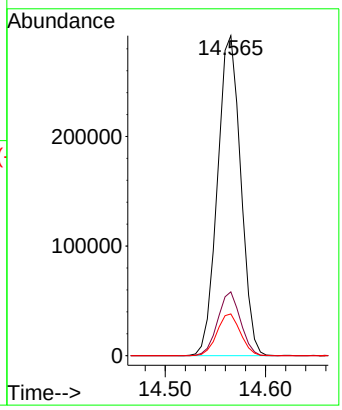


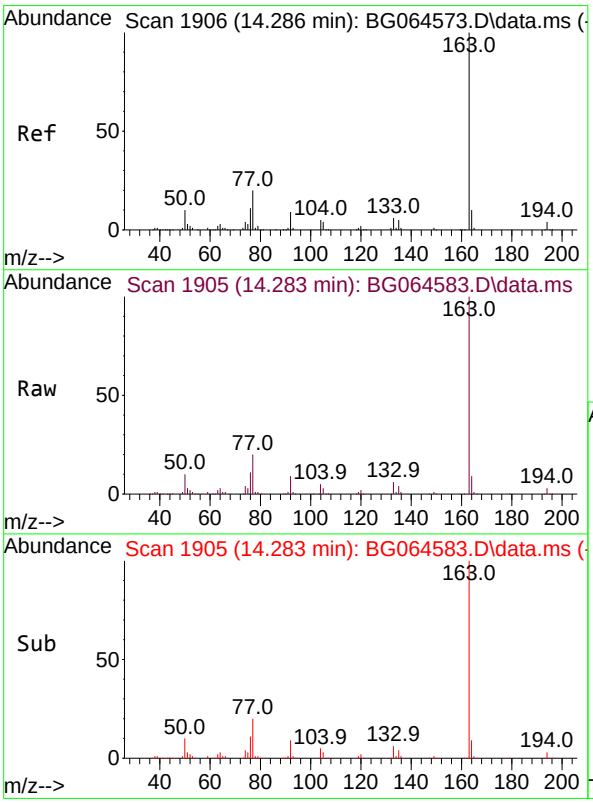
#49
Acenaphthylene
Concen: 40.780 ng
RT: 14.565 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 471014

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2
153	13.0	11.0	16.4

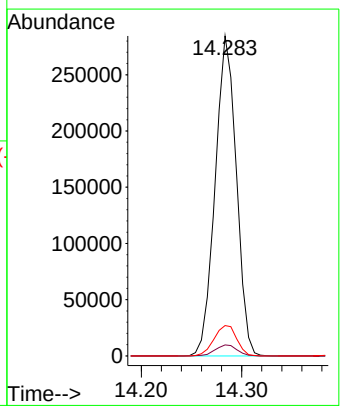


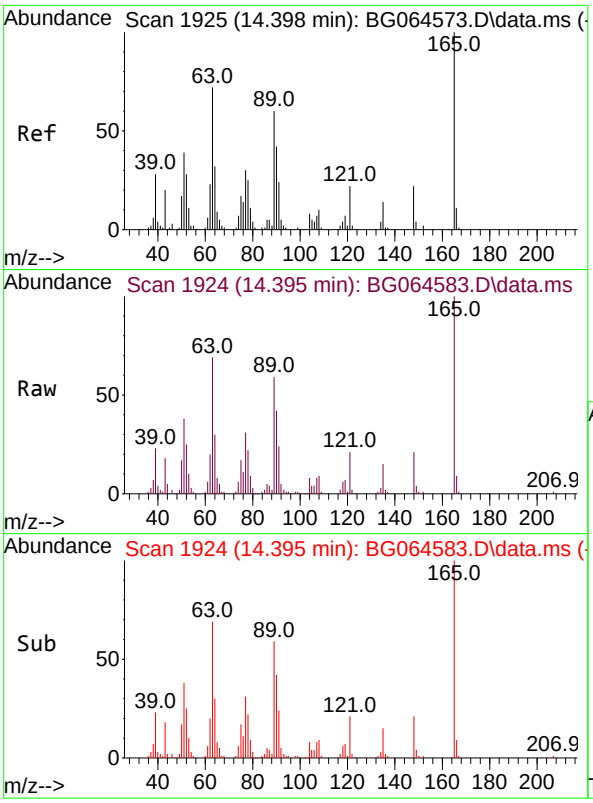


#50
Dimethylphthalate
Concen: 40.096 ng
RT: 14.283 min Scan# 1905
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:163 Resp: 418670

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.5	7.7	11.5



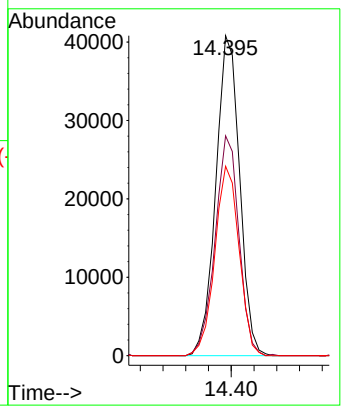


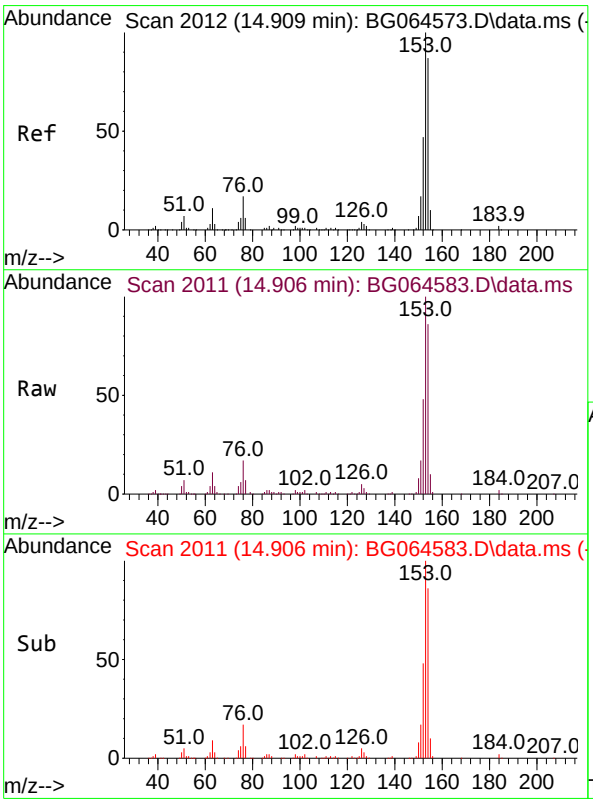
#51
2,6-Dinitrotoluene
Concen: 35.352 ng
RT: 14.395 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 59354

Ion	Ratio	Lower	Upper
165	100		
63	68.7	57.4	86.0
89	59.2	47.8	71.8

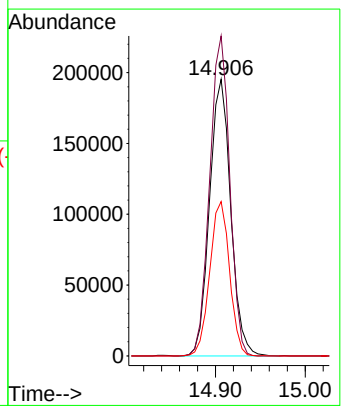


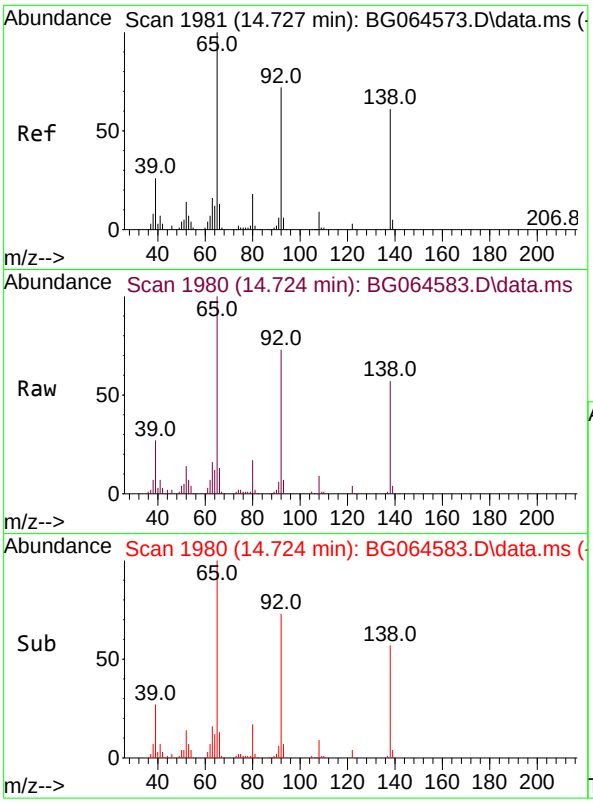


#52
Acenaphthene
Concen: 40.659 ng
RT: 14.906 min Scan# 2011
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:154 Resp: 320852

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.2	138.4
152	55.8	43.2	64.8



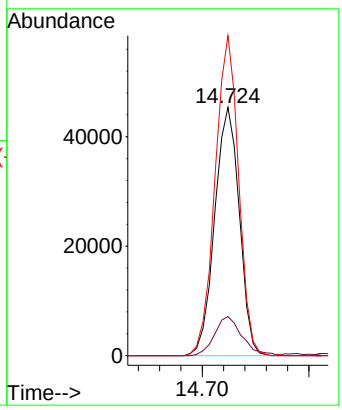


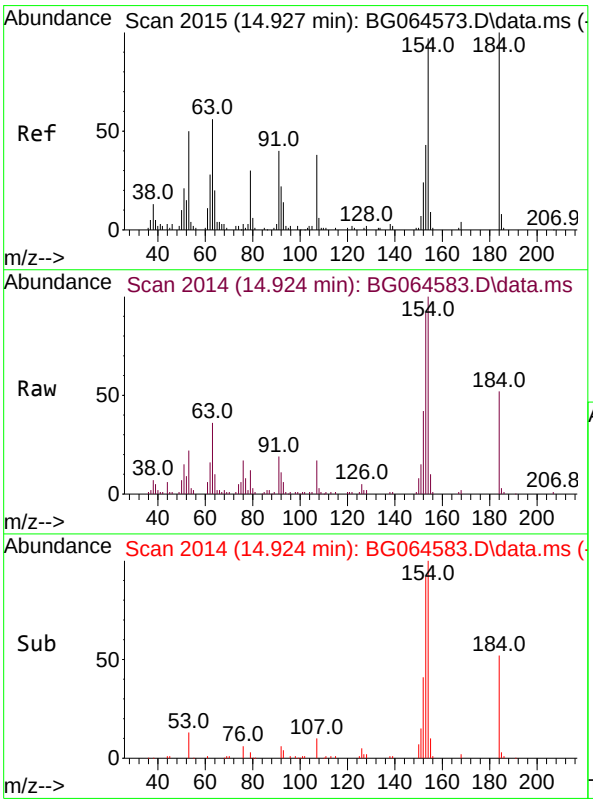
#53
3-Nitroaniline
Concen: 40.529 ng
RT: 14.724 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 72727

Ion	Ratio	Lower	Upper
138	100		
108	15.8	11.4	17.0
92	128.9	95.3	142.9

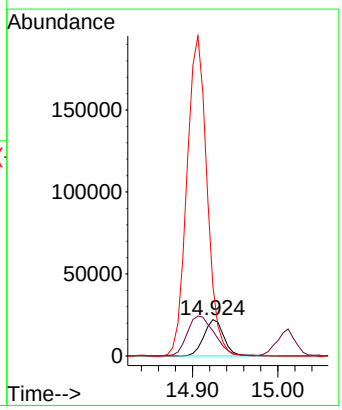


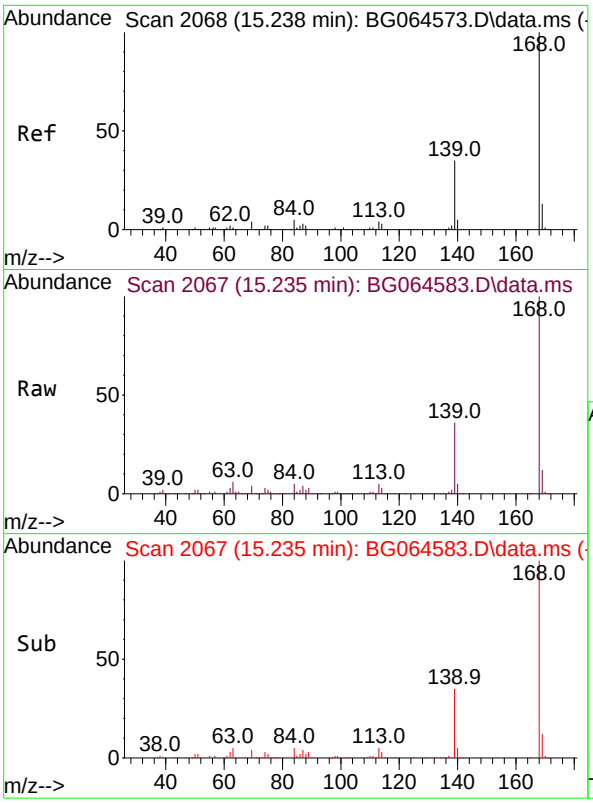


#54
2,4-Dinitrophenol
Concen: 37.232 ng
RT: 14.924 min Scan# 2014
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:184 Resp: 35977

Ion	Ratio	Lower	Upper
184	100		
63	69.2	56.6	85.0
154	192.5	158.6	238.0



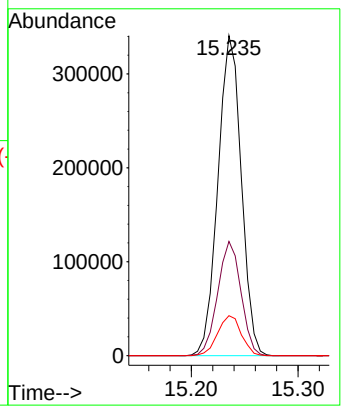


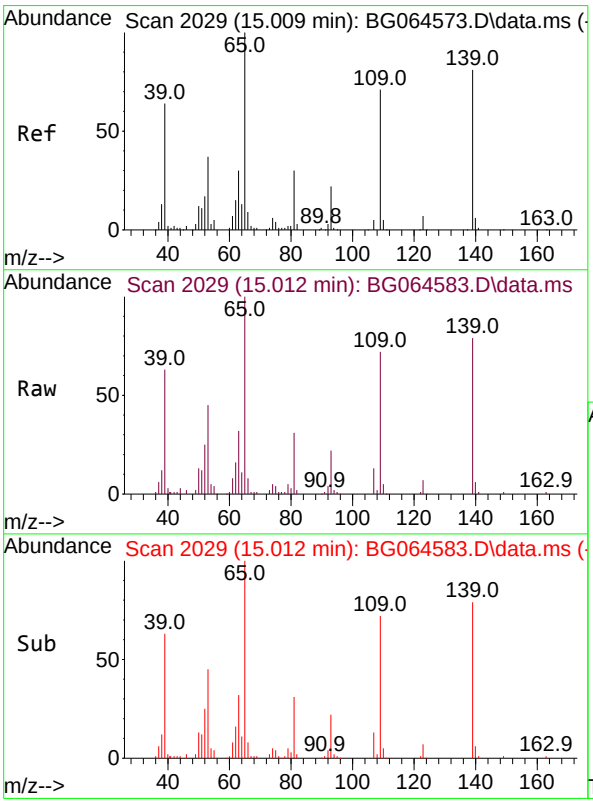
#55
Dibenzofuran
Concen: 40.693 ng
RT: 15.235 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 519158

Ion	Ratio	Lower	Upper
168	100		
139	35.7	27.8	41.8
169	12.5	10.3	15.5

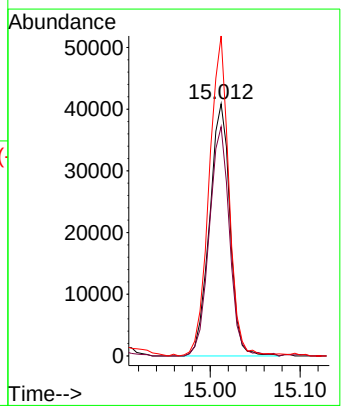


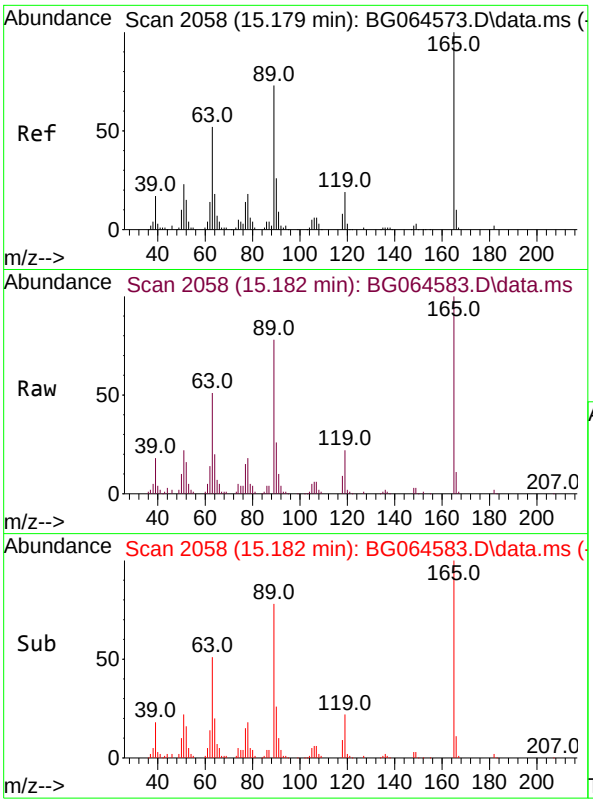


#56
4-Nitrophenol
Concen: 38.706 ng
RT: 15.012 min Scan# 2029
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:139 Resp: 64395

Ion	Ratio	Lower	Upper
139	100		
109	91.0	67.8	107.8
65	127.0	103.7	143.7



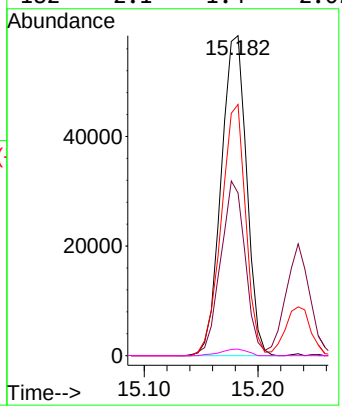


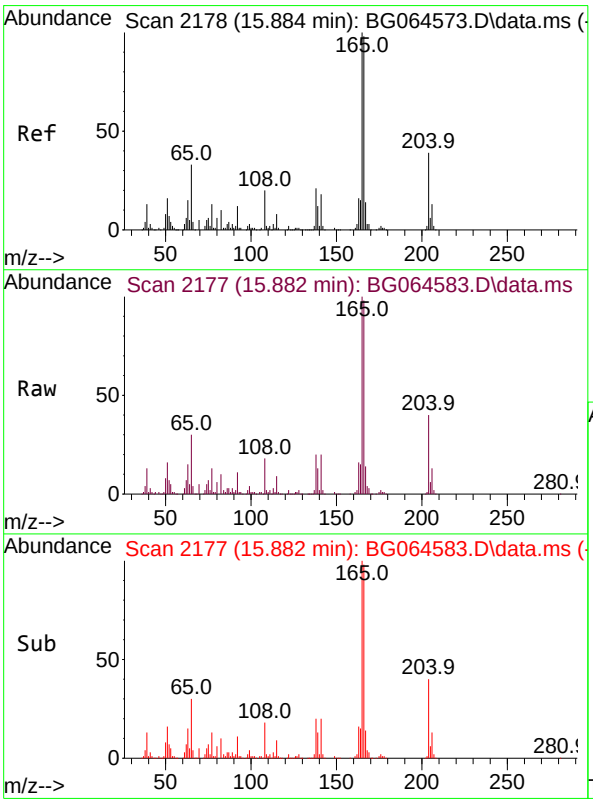
#57
2,4-Dinitrotoluene
Concen: 34.936 ng
RT: 15.182 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 90701

Ion	Ratio	Lower	Upper
165	100		
63	50.8	41.8	62.8
89	78.5	58.1	87.1
182	2.1	1.4	2.0#

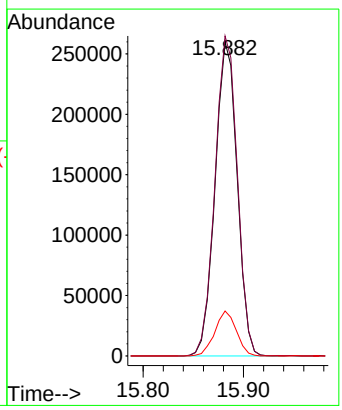


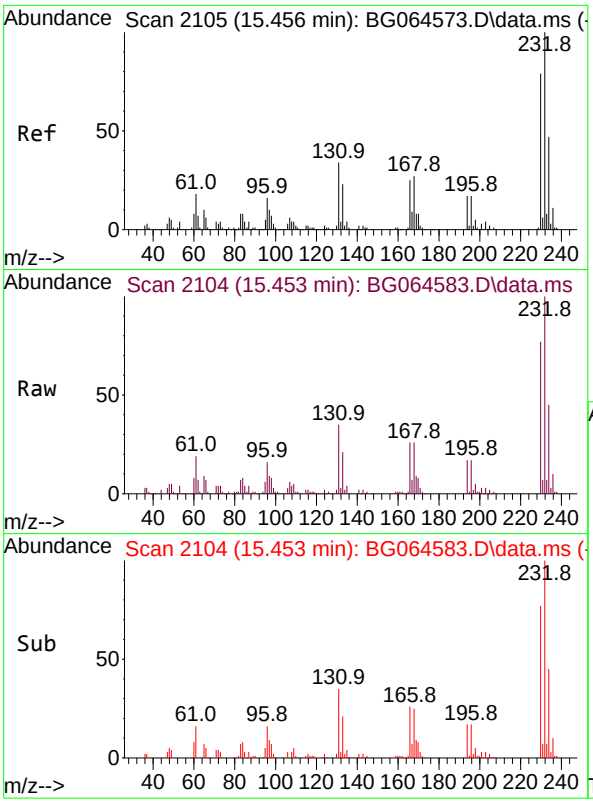


#58
Fluorene
Concen: 39.986 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:166 Resp: 398395

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.3	11.4	17.0



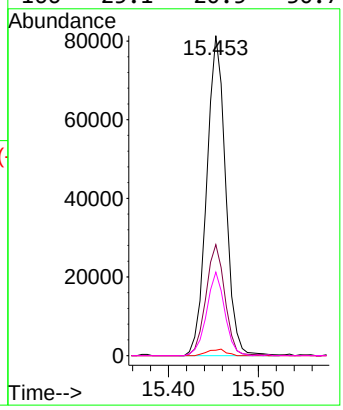


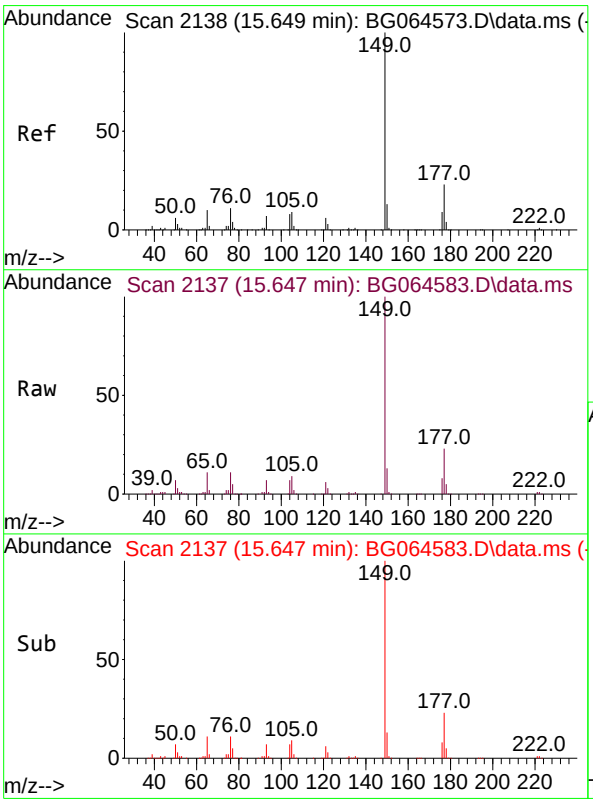
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.112 ng
RT: 15.453 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 118842

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.1	20.5	30.7

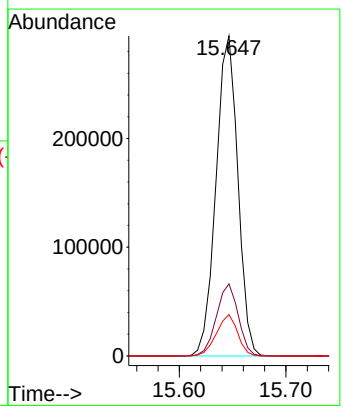


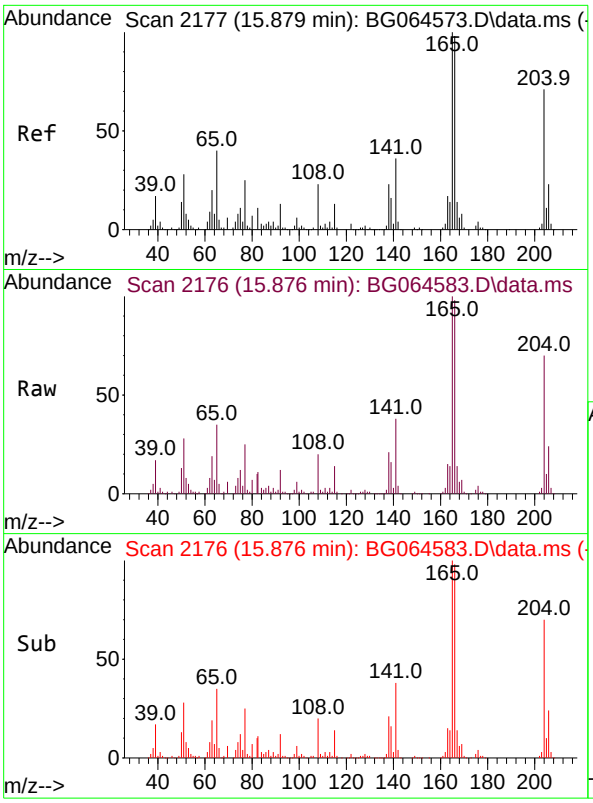


#60
Diethylphthalate
Concen: 39.366 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 419702

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.9	10.2	15.4



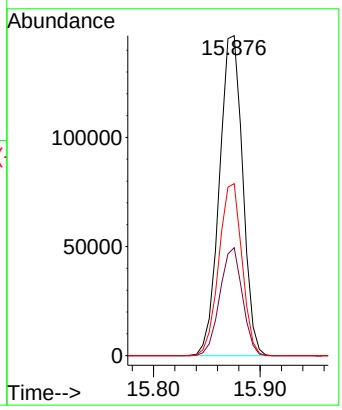


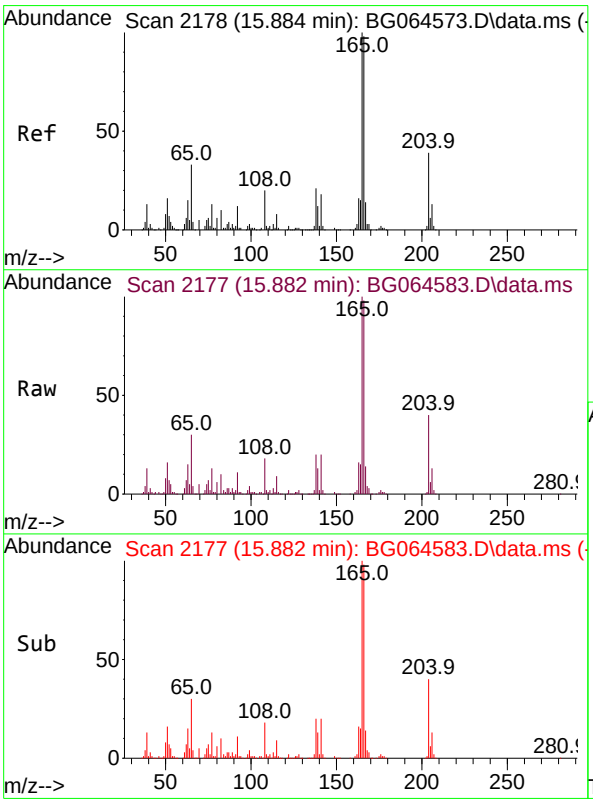
#61
4-Chlorophenyl-phenylether
Concen: 39.849 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 222810

Ion	Ratio	Lower	Upper
204	100		
206	33.7	25.6	38.4
141	53.7	40.6	60.8

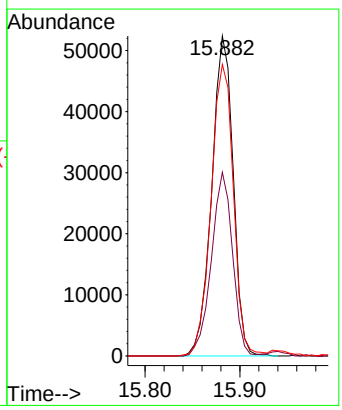


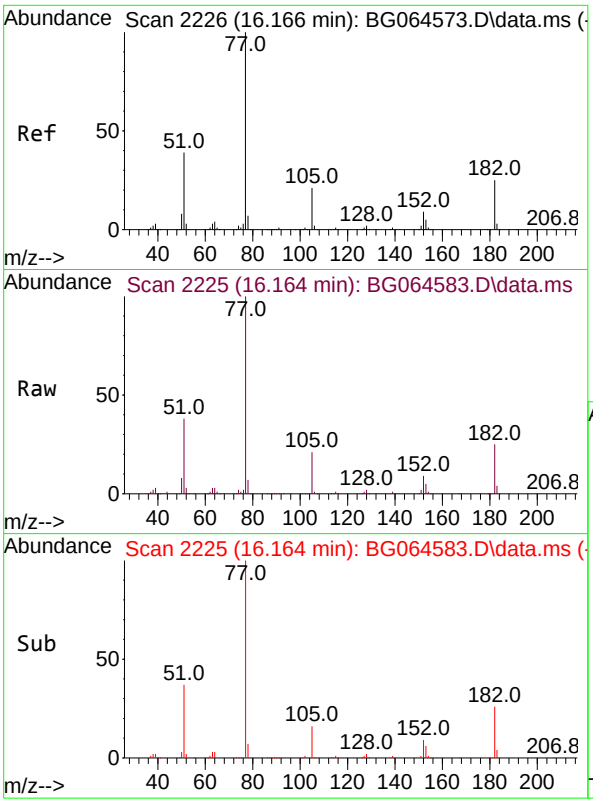


#62
4-Nitroaniline
Concen: 41.112 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:138 Resp: 82074

Ion	Ratio	Lower	Upper
138	100		
92	57.4	36.1	76.1
108	91.1	75.6	115.6



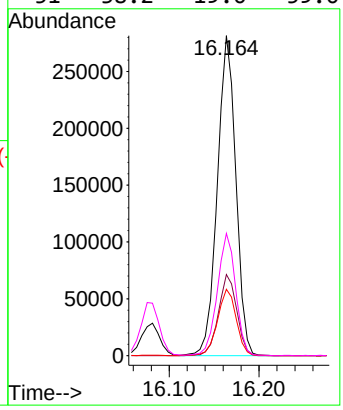


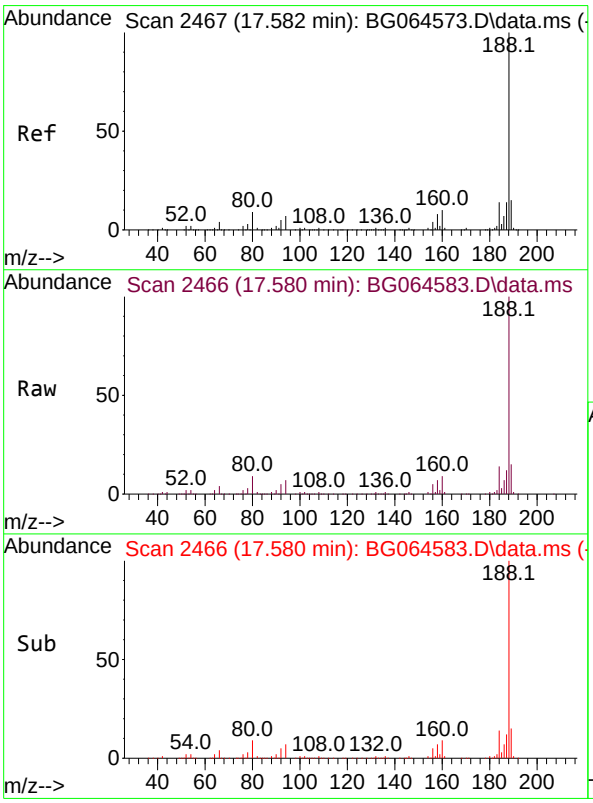
#63
Azobenzene
Concen: 41.315 ng
RT: 16.164 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 404156

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.9	44.9
105	20.8	1.3	41.3
51	38.2	19.0	59.0

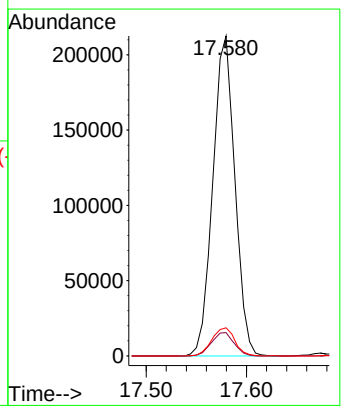


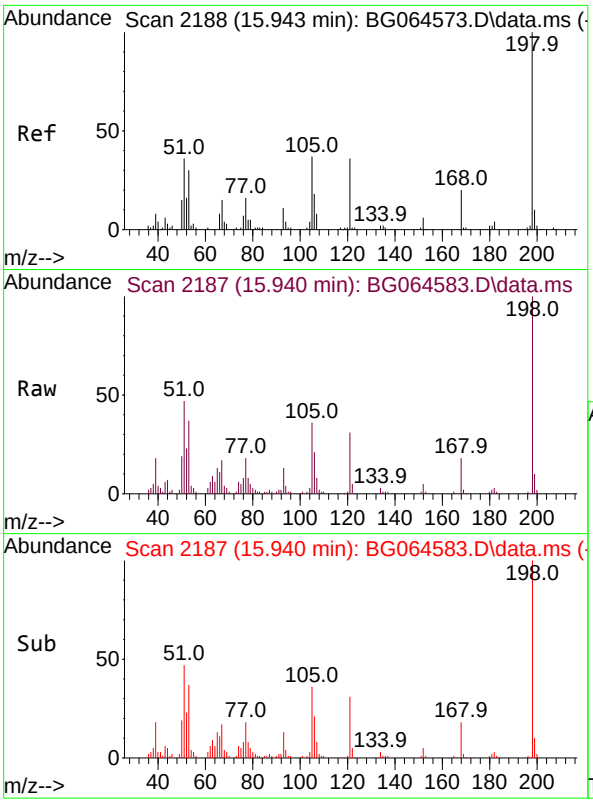


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:188 Resp: 324576

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.8	6.8	10.2



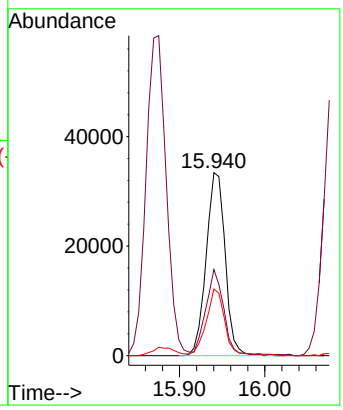


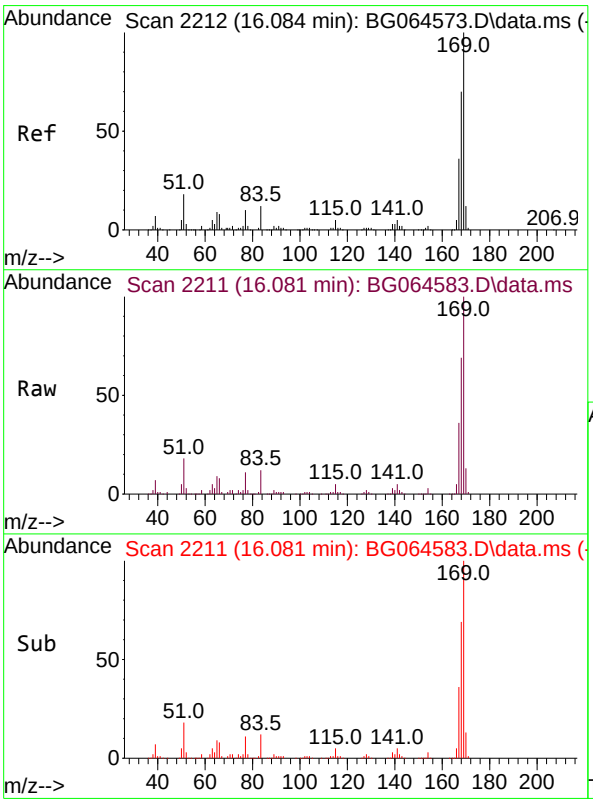
#65
4,6-Dinitro-2-methylphenol
Concen: 37.510 ng
RT: 15.940 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 51664

Ion	Ratio	Lower	Upper
198	100		
51	47.0	24.7	64.7
105	36.4	18.0	58.0

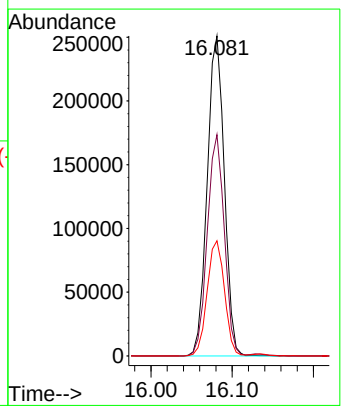


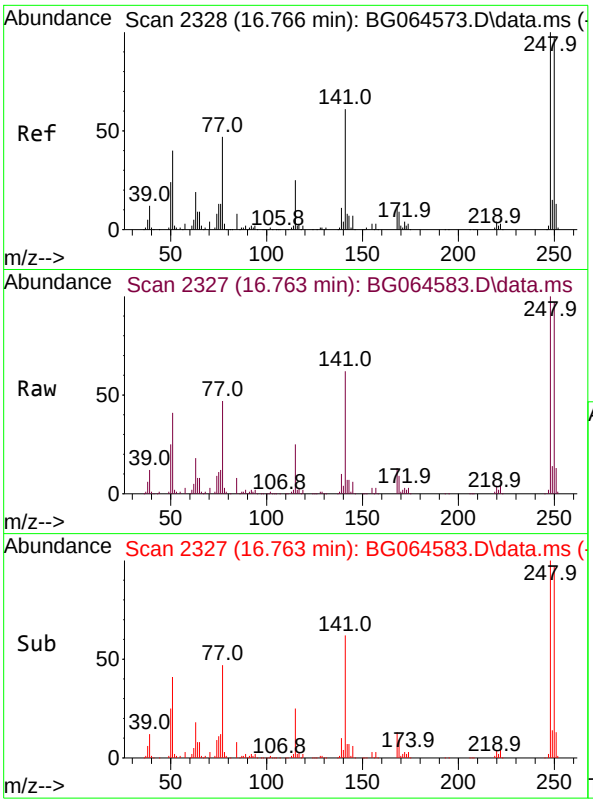


#66
n-Nitrosodiphenylamine
Concen: 41.867 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:169 Resp: 367072

Ion	Ratio	Lower	Upper
169	100		
168	69.1	56.3	84.5
167	36.0	29.0	43.6



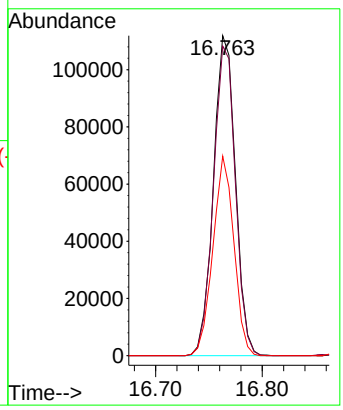


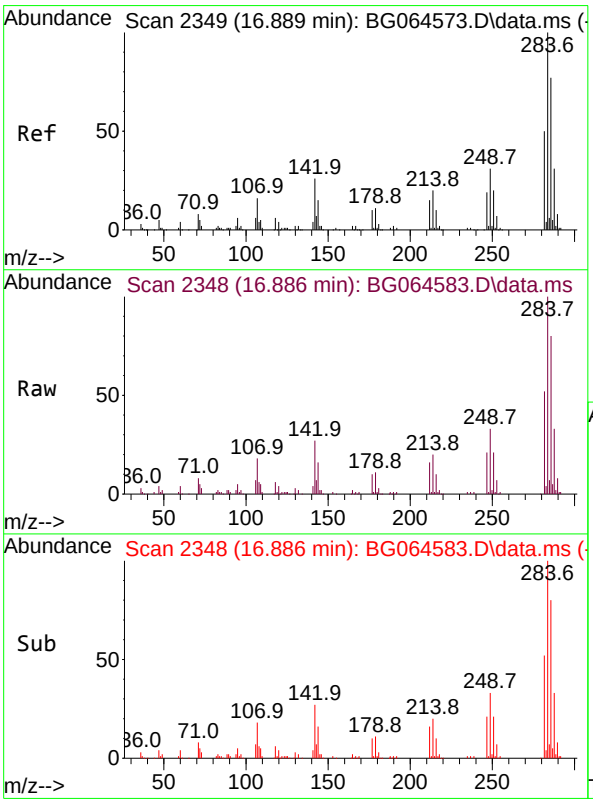
#67
4-Bromophenyl-phenylether
Concen: 41.720 ng
RT: 16.763 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 160468

Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.7	116.5
141	62.3	48.6	72.8

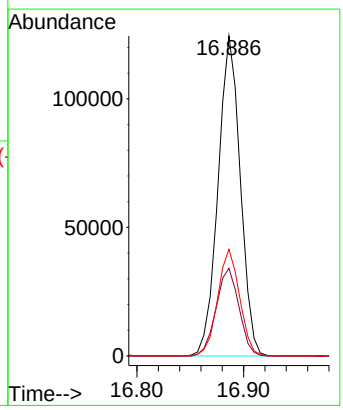


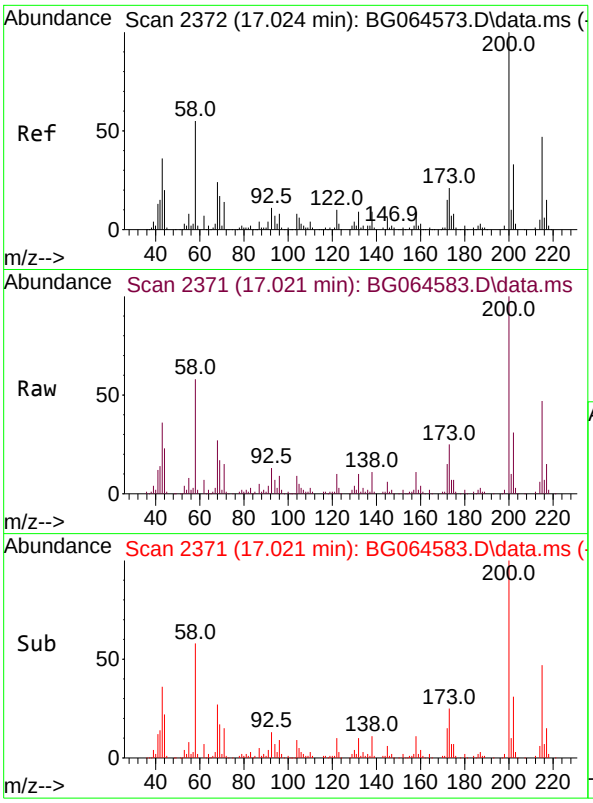


#68
Hexachlorobenzene
Concen: 41.094 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:284 Resp: 180323

Ion	Ratio	Lower	Upper
284	100		
142	27.4	21.0	31.6
249	33.3	24.9	37.3



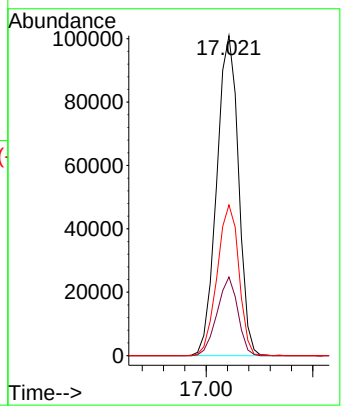


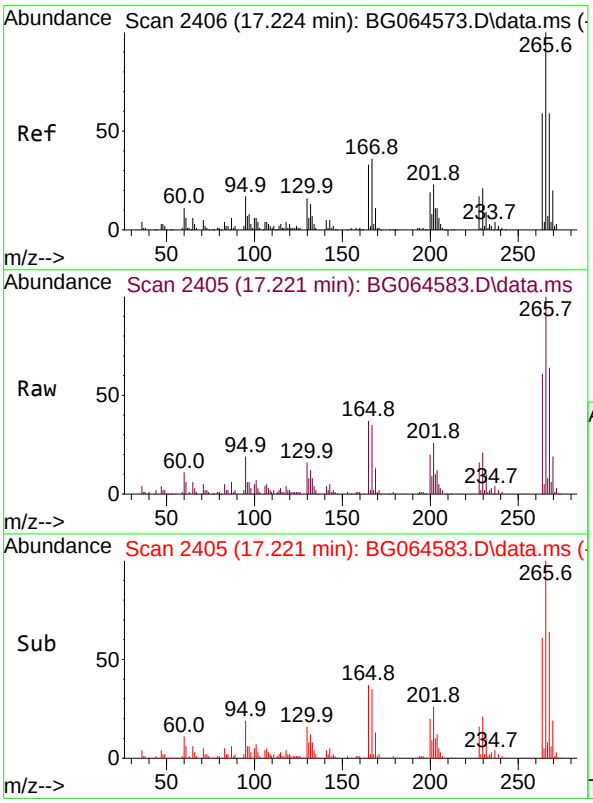
#69
Atrazine
Concen: 37.977 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 143289

Ion	Ratio	Lower	Upper
200	100		
173	24.6	0.9	40.9
215	47.1	27.0	67.0

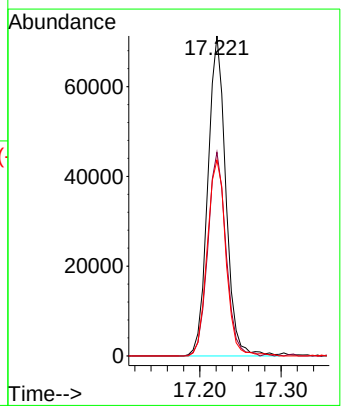


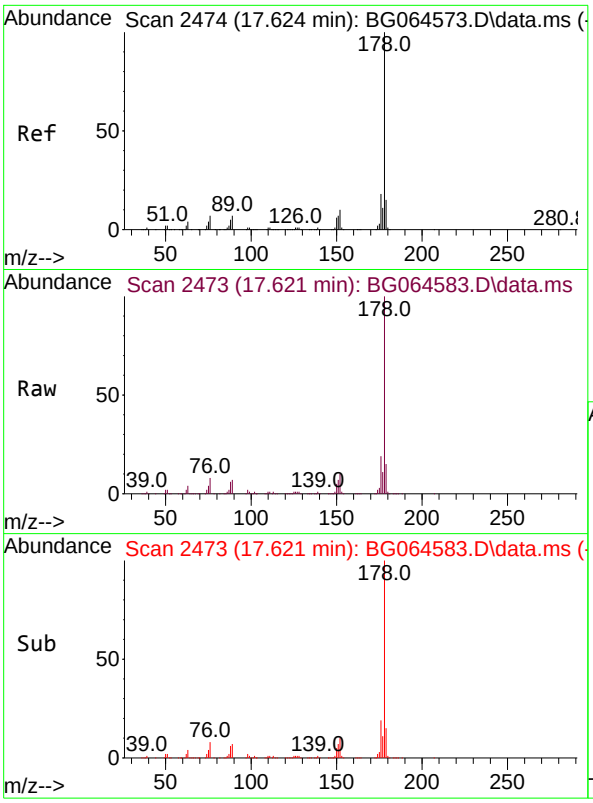


#70
Pentachlorophenol
Concen: 40.129 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:266 Resp: 109806

Ion	Ratio	Lower	Upper
266	100		
268	69.2	50.3	75.5
264	66.4	47.3	70.9



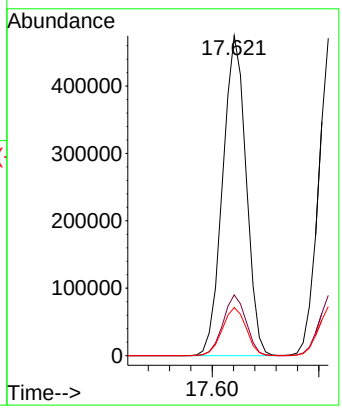


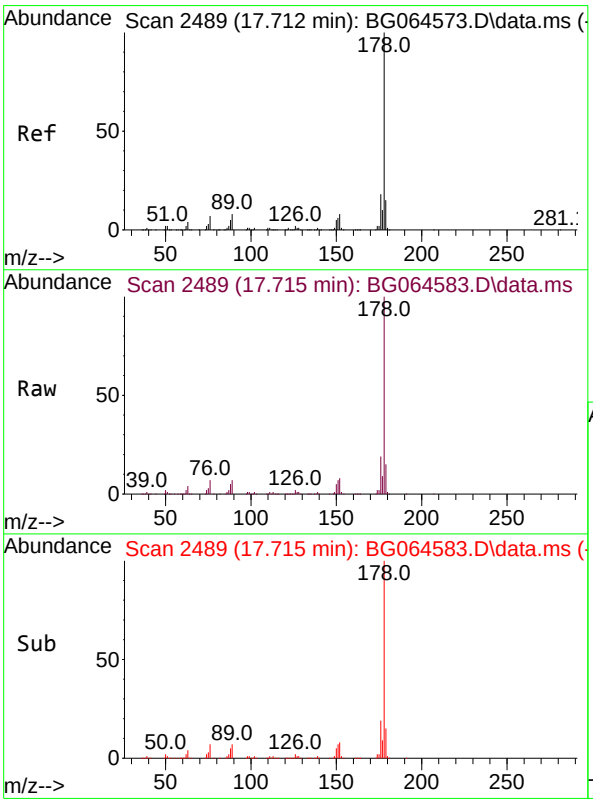
#71
Phenanthrene
Concen: 40.740 ng
RT: 17.621 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 723122

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.0	12.2	18.4

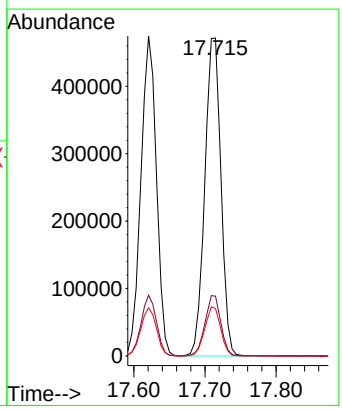


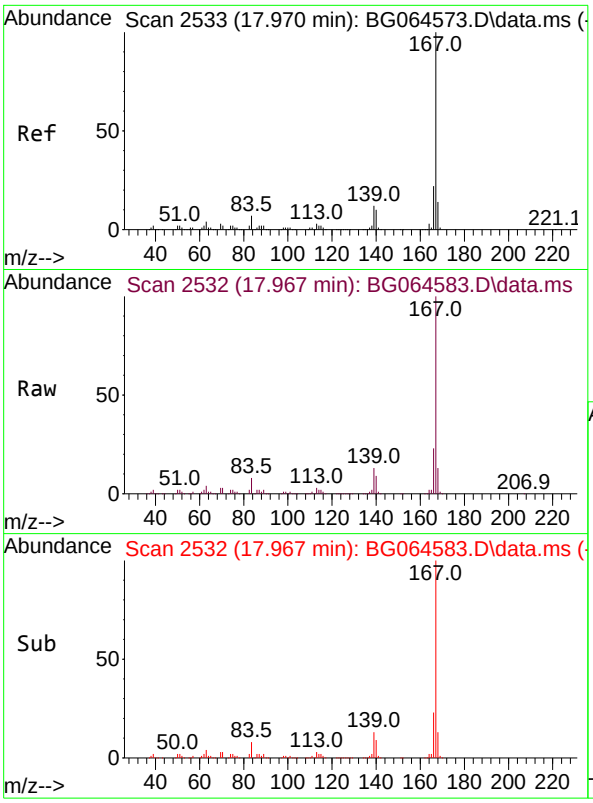


#72
Anthracene
Concen: 41.035 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:178 Resp: 740918

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	14.9	12.4	18.6



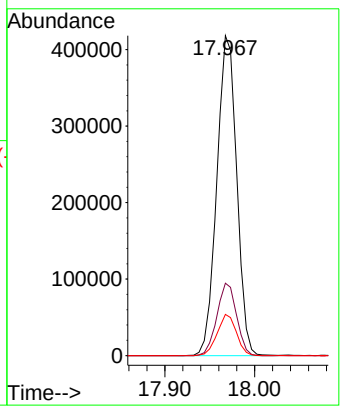


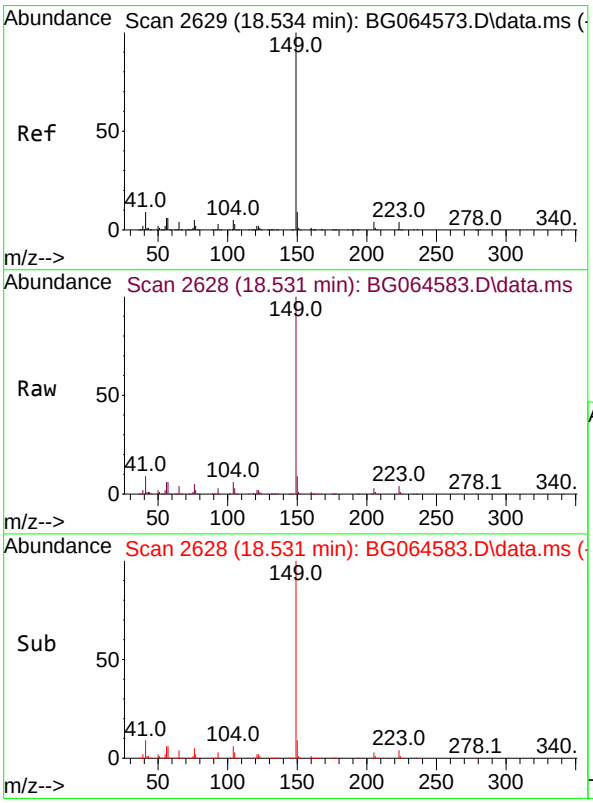
#73
Carbazole
Concen: 40.561 ng
RT: 17.967 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 645806

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.9	26.9
139	12.9	9.7	14.5

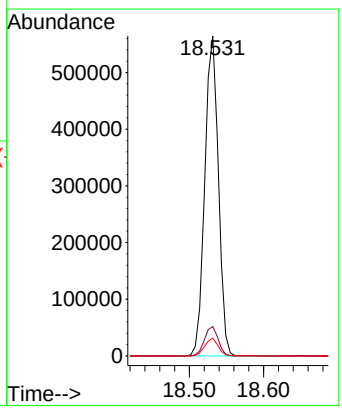


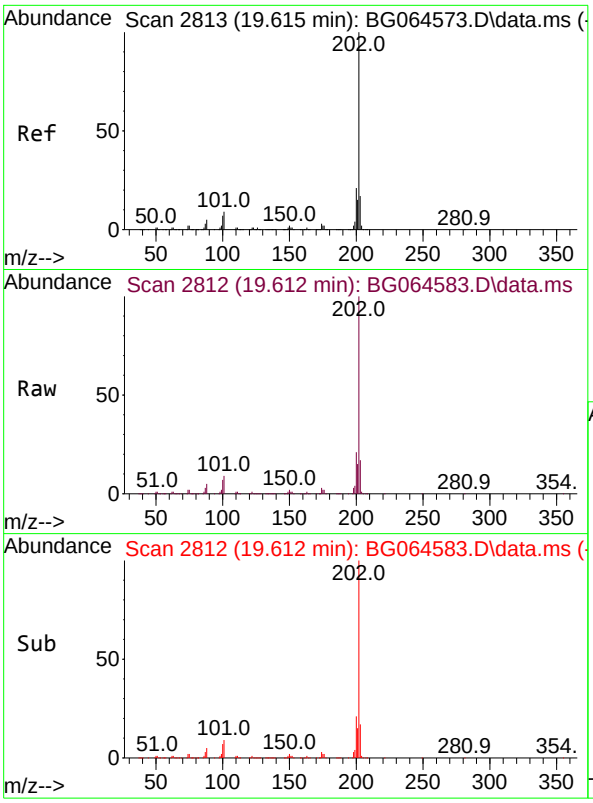


#74
Di-n-butylphthalate
Concen: 38.911 ng
RT: 18.531 min Scan# 2628
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 716403

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1



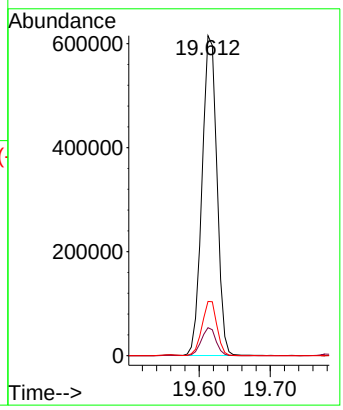


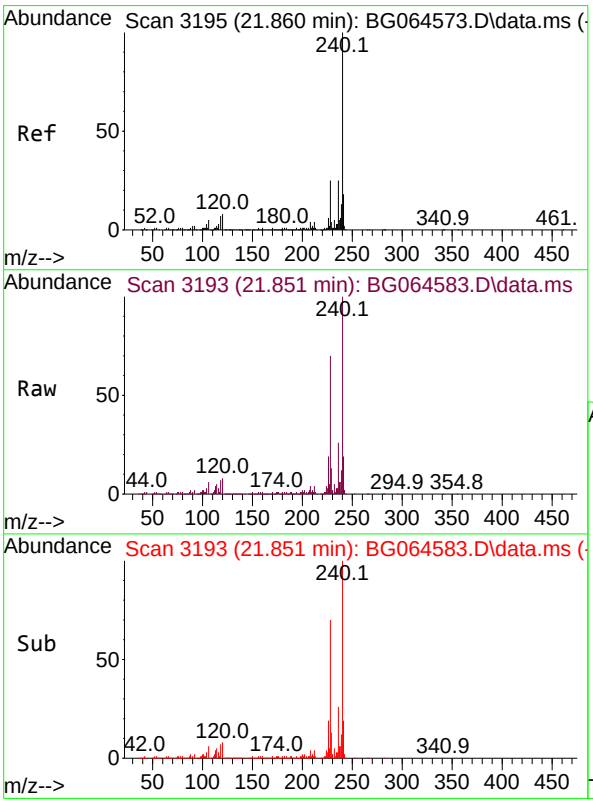
#75
Fluoranthene
Concen: 40.019 ng
RT: 19.612 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 889861

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	16.9	0.0	37.0

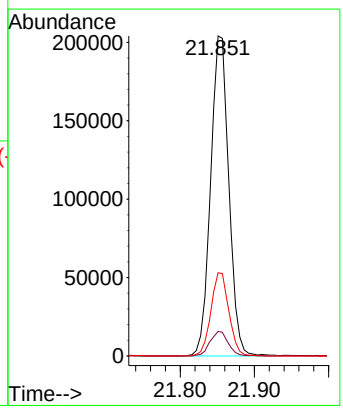


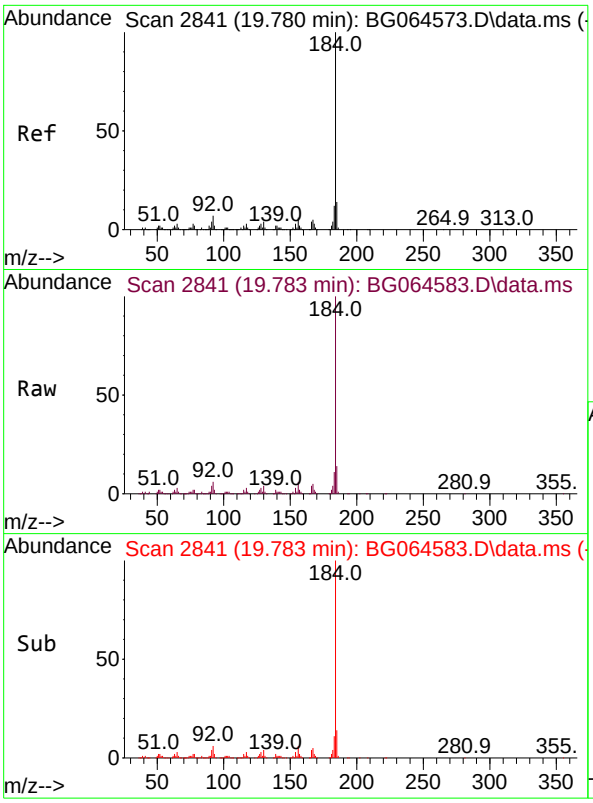


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:240 Resp: 347536

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	26.0	20.2	30.2



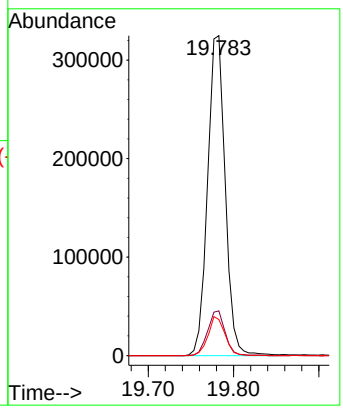


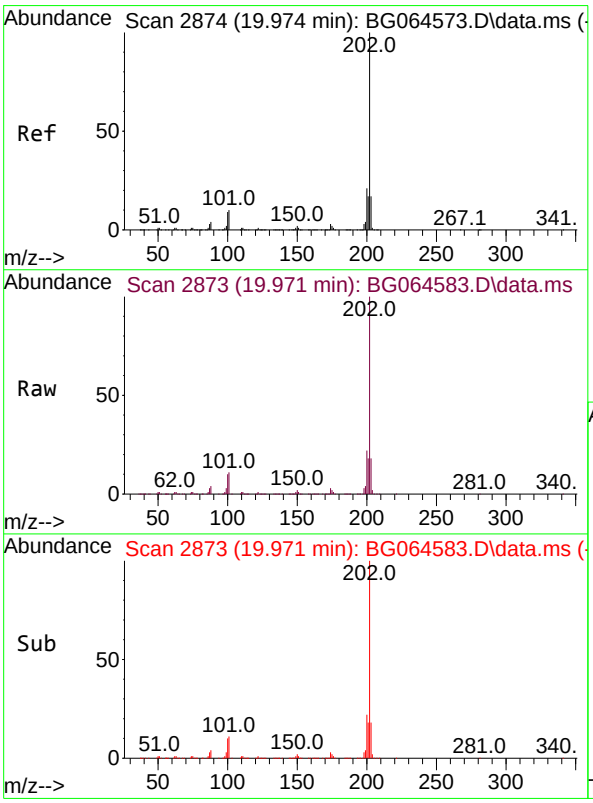
#77
Benzidine
Concen: 59.923 ng
RT: 19.783 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 466575

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.2
183	11.3	9.4	14.2

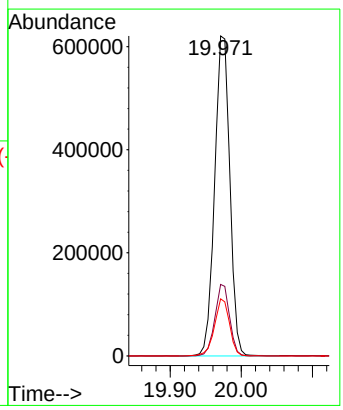


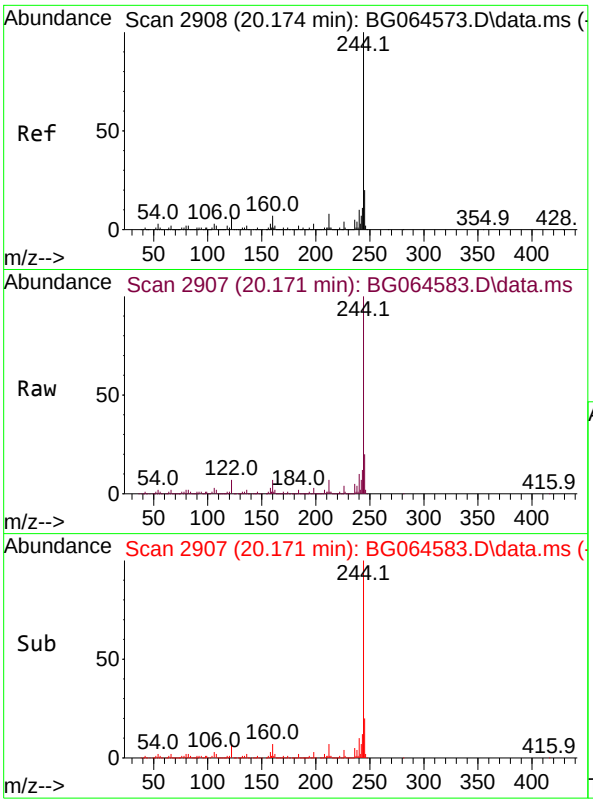


#78
Pyrene
Concen: 40.568 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:202 Resp: 921148

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.0	25.4
203	17.8	13.8	20.6



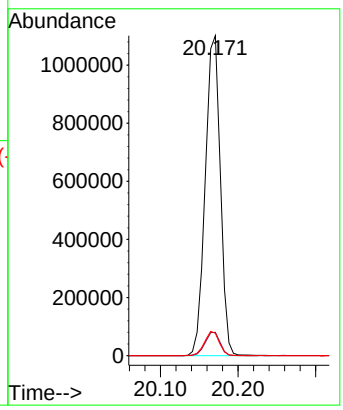


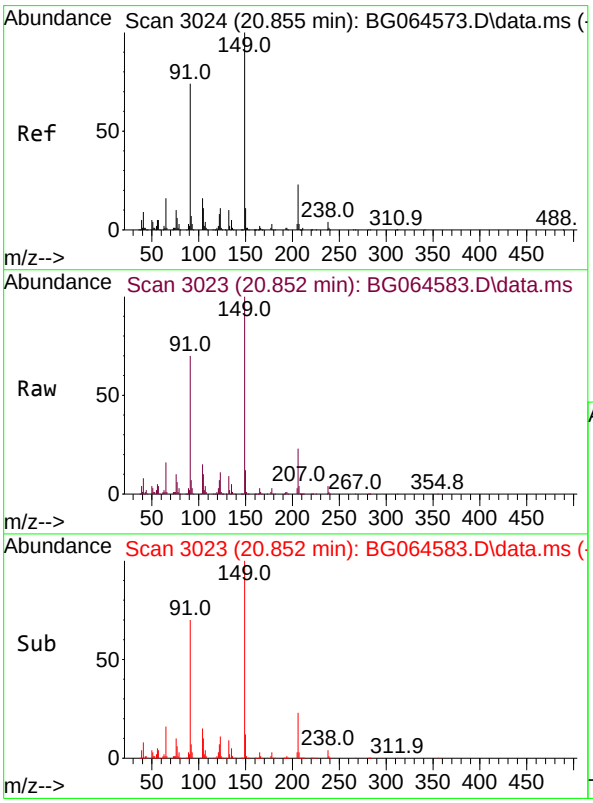
#79
Terphenyl-d14
Concen: 80.733 ng
RT: 20.171 min Scan# 29
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1486757

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	7.0	5.6	8.4

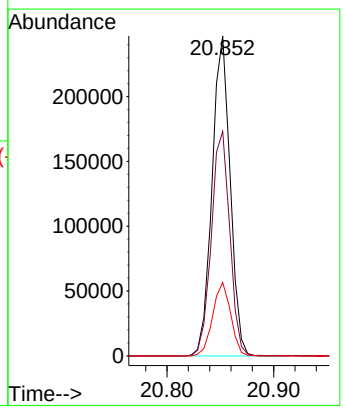


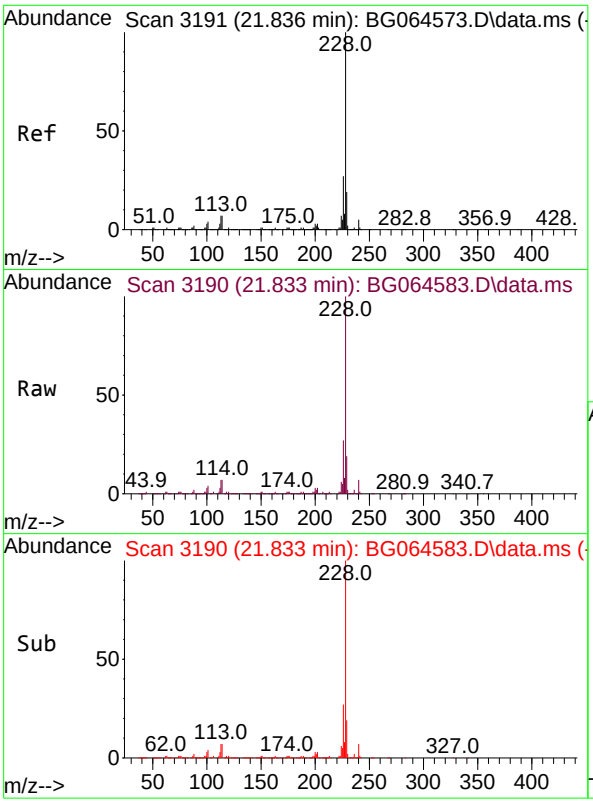


#80
Butylbenzylphthalate
Concen: 42.388 ng
RT: 20.852 min Scan# 3023
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 290894

Ion	Ratio	Lower	Upper
149	100		
91	70.2	59.2	88.8
206	22.9	18.1	27.1



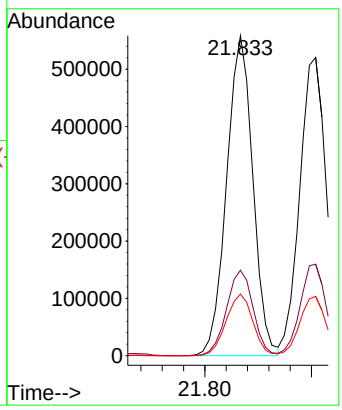


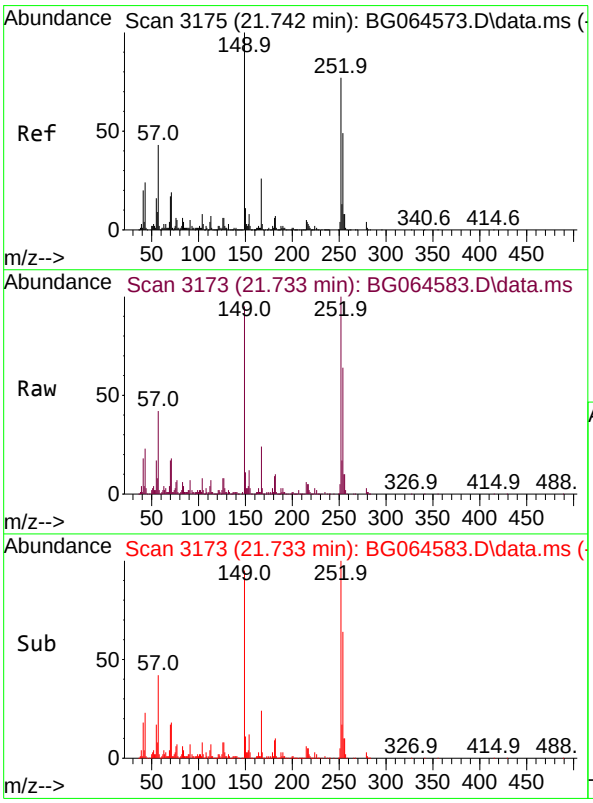
#81
Benzo(a)anthracene
Concen: 41.414 ng
RT: 21.833 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 954317

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4

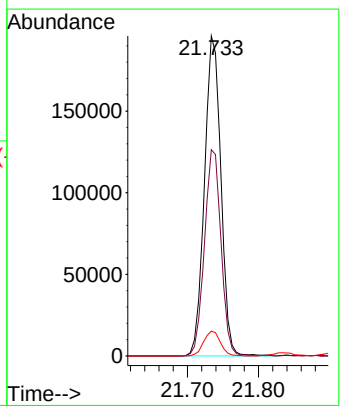


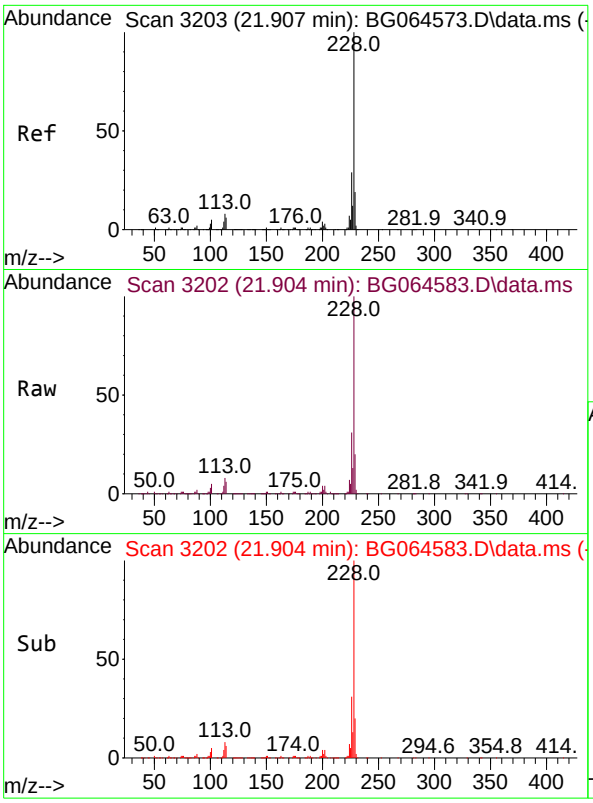


#82
3,3'-Dichlorobenzidine
Concen: 40.849 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 314331

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.8	76.2
126	7.7	5.8	8.6



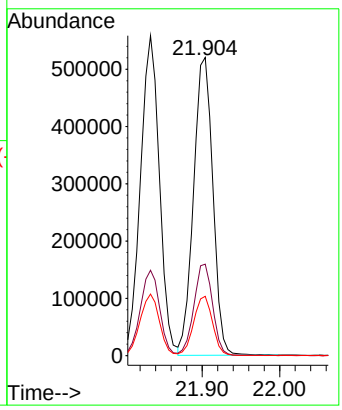


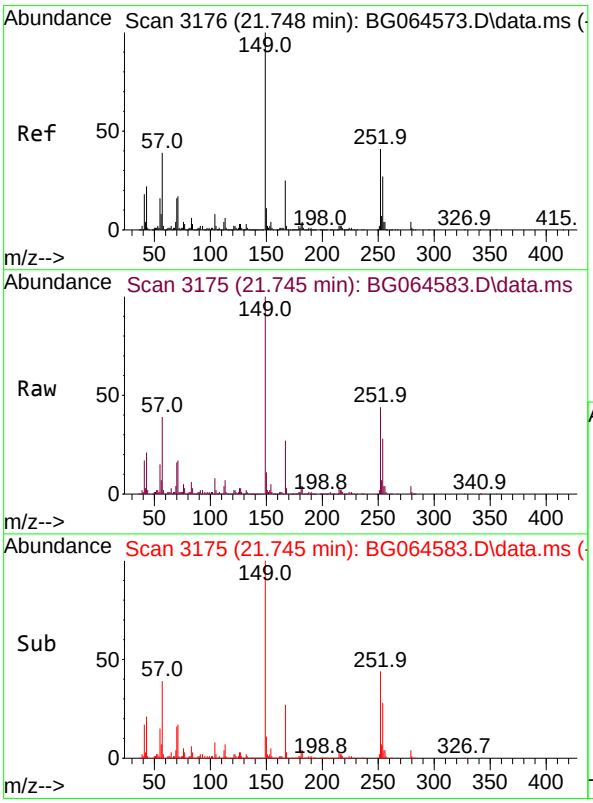
#83
Chrysene
Concen: 41.033 ng
RT: 21.904 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 899714

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.3	34.9
229	19.9	15.2	22.8

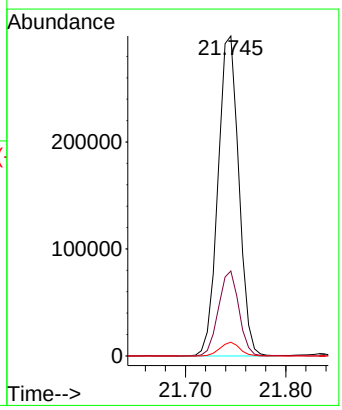


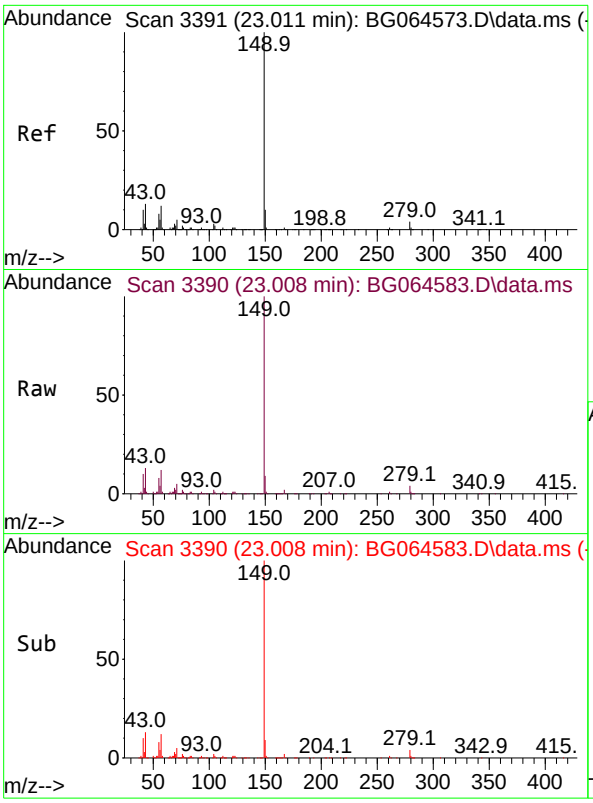


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.146 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 432180

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.0	30.0
279	4.3	3.1	4.7



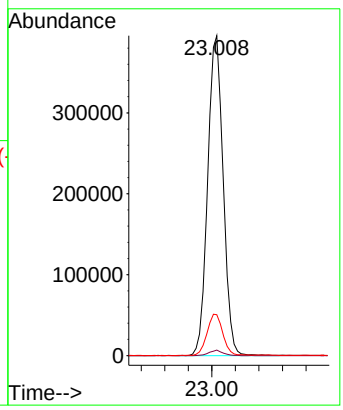


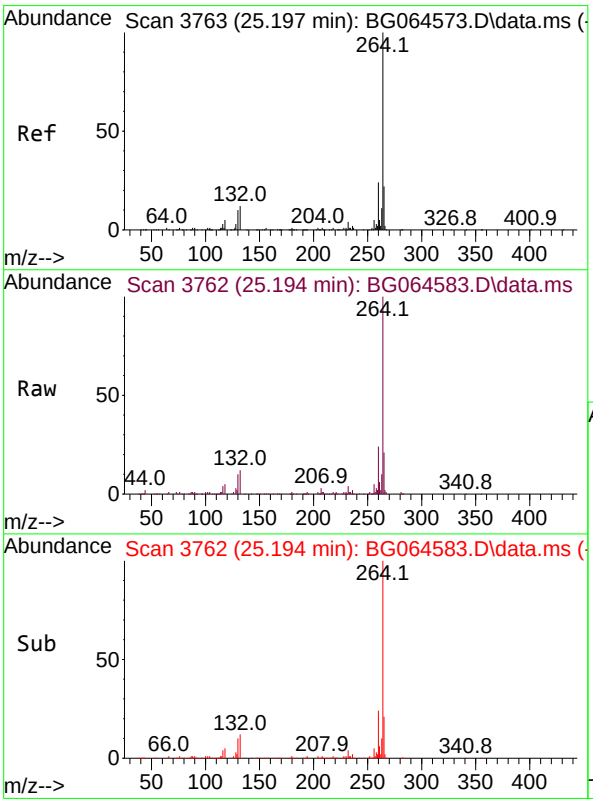
#85
Di-n-octyl phthalate
Concen: 41.817 ng
RT: 23.008 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 722967

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.4	10.8	16.2

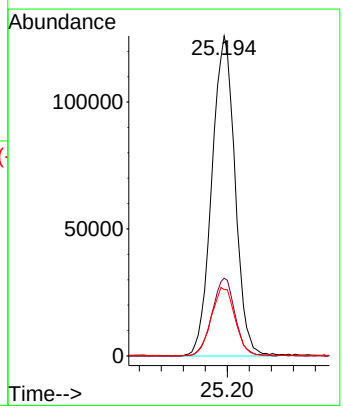


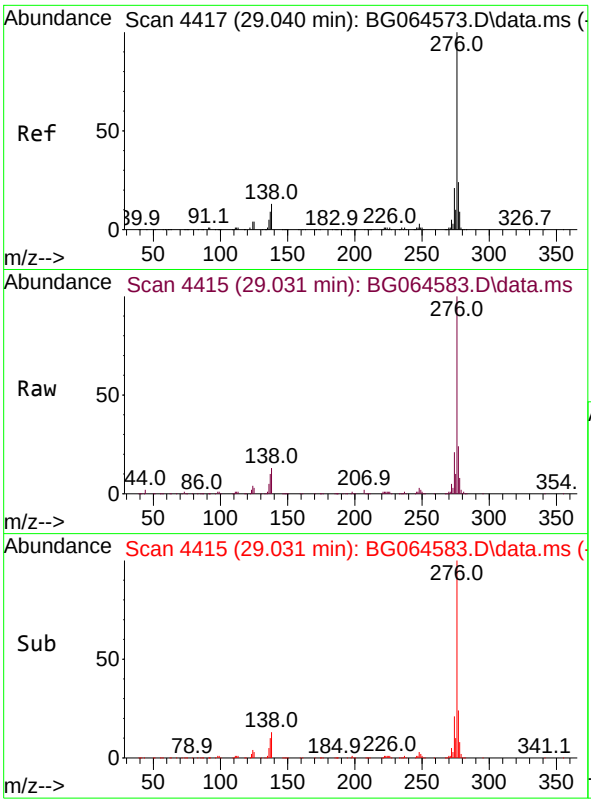


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:264 Resp: 368889

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	20.7	17.6	26.4



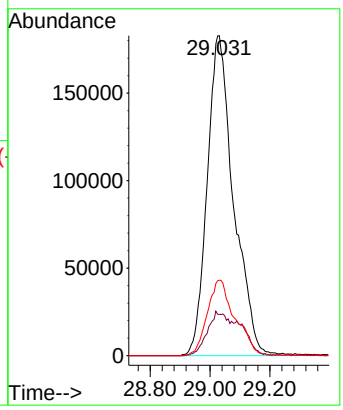


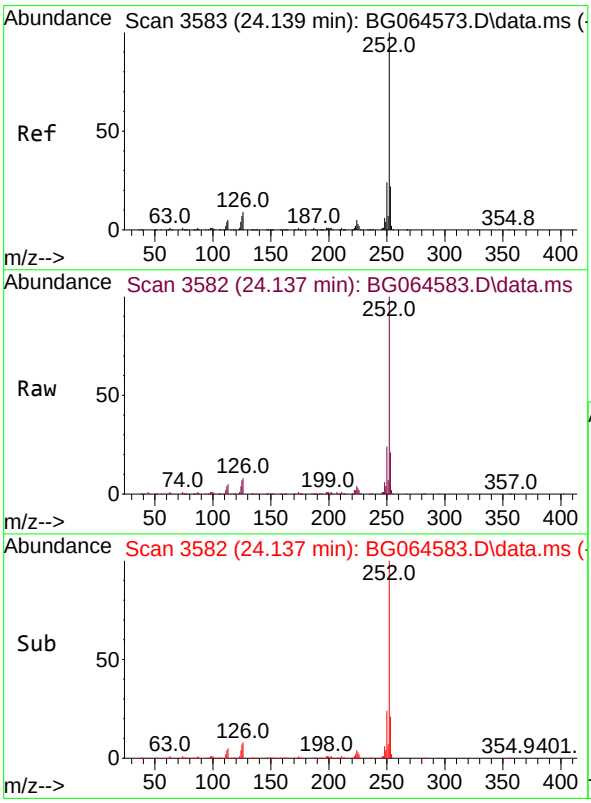
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.398 ng
RT: 29.031 min Scan# 44
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1123402

Ion	Ratio	Lower	Upper
276	100		
138	12.3	10.8	16.2
277	24.9	20.1	30.1

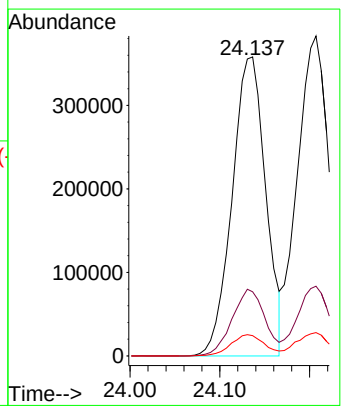


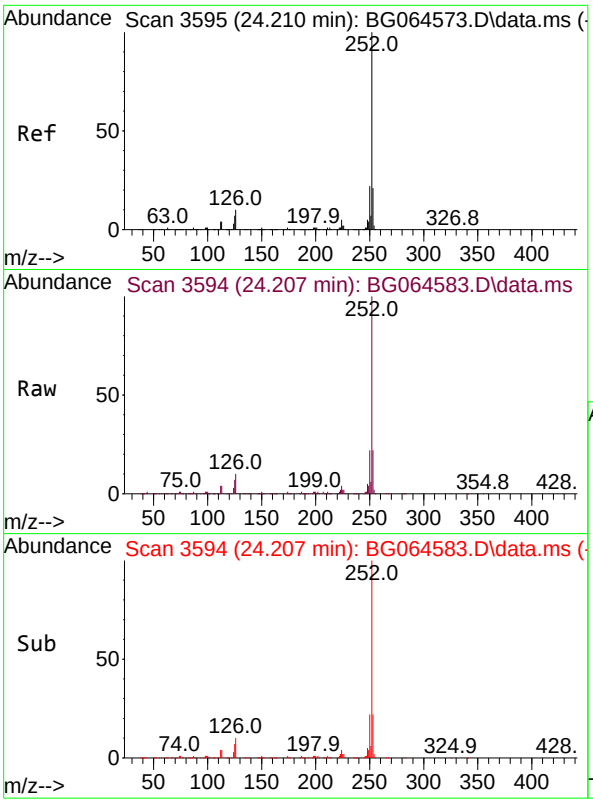


#88
Benzo(b)fluoranthene
Concen: 41.242 ng
RT: 24.137 min Scan# 3582
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 932900

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	6.8	5.6	8.4



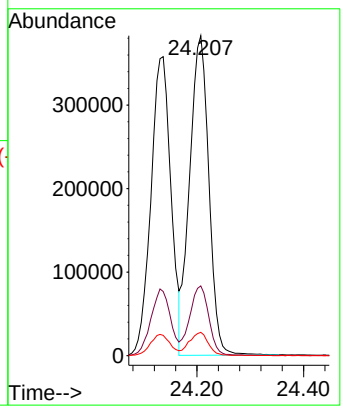


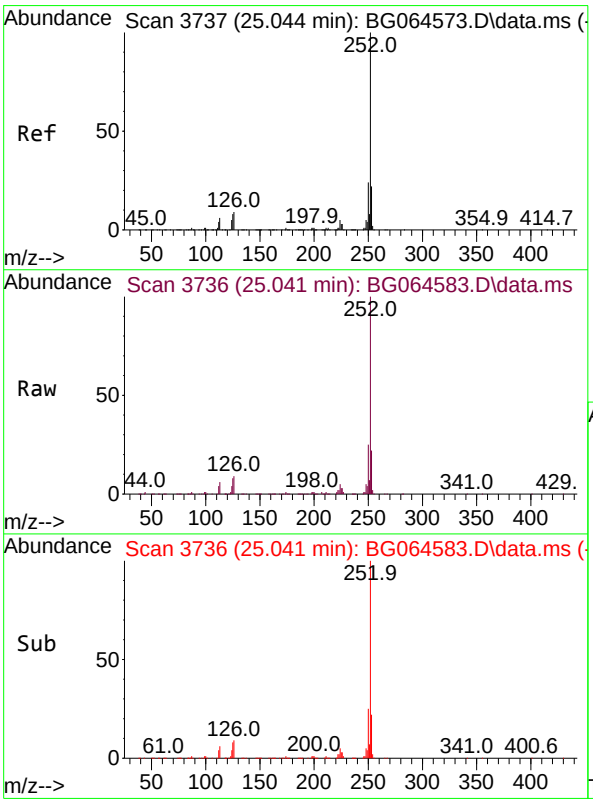
#89
Benzo(k)fluoranthene
Concen: 42.319 ng
RT: 24.207 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 957914

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.3	5.4	8.0

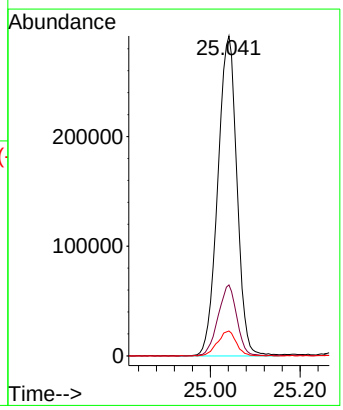


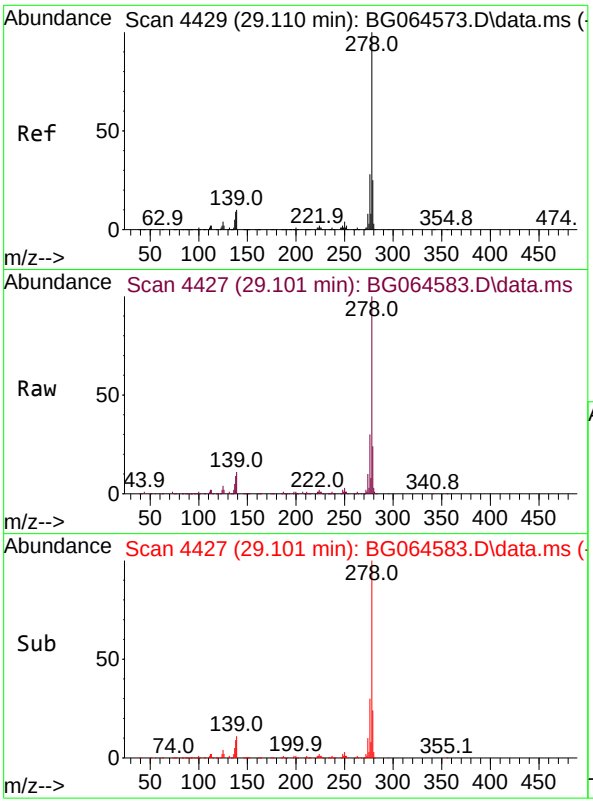


#90
Benzo(a)pyrene
Concen: 41.573 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.003 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 864413

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	7.8	6.1	9.1



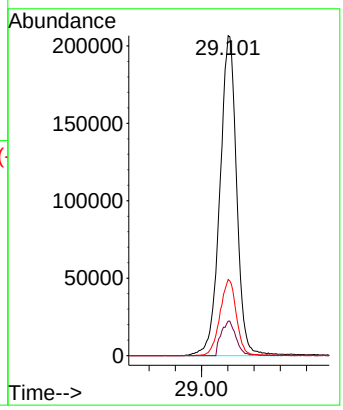


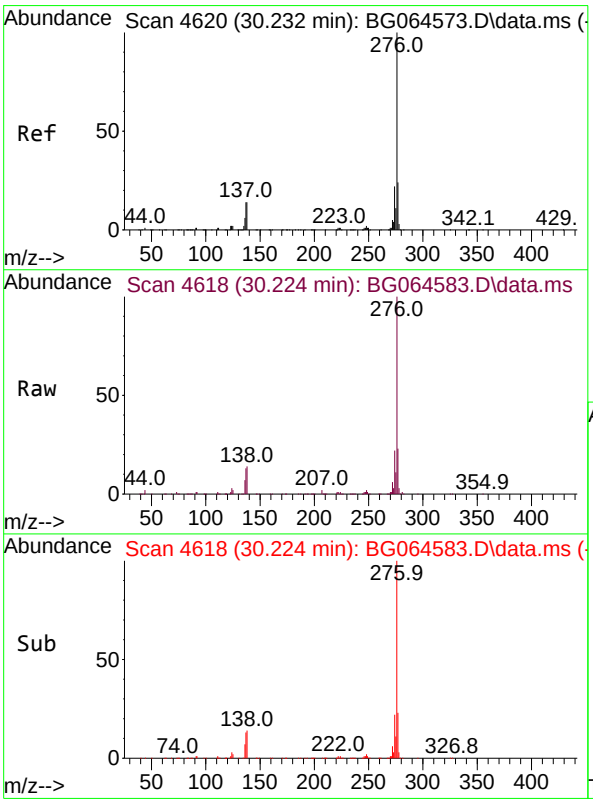
#91
Dibenzo(a,h)anthracene
Concen: 41.553 ng
RT: 29.101 min Scan# 44
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 916106

Ion	Ratio	Lower	Upper
278	100		
139	10.8	8.0	12.0
279	23.8	19.8	29.6

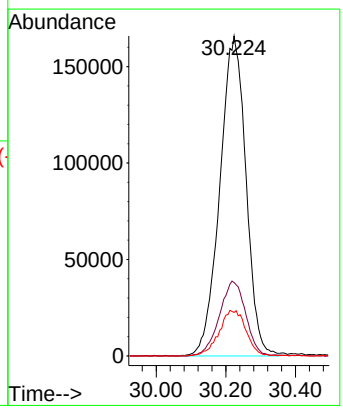




#92
Benzo(g,h,i)perylene
Concen: 41.032 ng
RT: 30.224 min Scan# 4618
Delta R.T. -0.009 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:276 Resp: 864165

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	13.6	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2		1,4-Dioxane	40.000	48.018	-20.0	119	0.00
3		Pyridine	40.000	61.994	-55.0#	145	0.00
4		n-Nitrosodimethylamine	40.000	47.077	-17.7	110	0.00
5	S	2-Fluorophenol	80.000	97.366	-21.7	111	0.00
6		Aniline	40.000	49.338	-23.3	114	0.00
7	S	Phenol-d6	80.000	100.000	-25.0	114	0.00
8		2-Chlorophenol	40.000	50.611	-26.5#	114	0.00
9		Benzaldehyde	40.000	76.923	-92.3#	181	0.00
10	C	Phenol	40.000	49.835	-24.6#	115	0.00
11		bis(2-Chloroethyl)ether	40.000	48.739	-21.8	116	0.00
12		1,3-Dichlorobenzene	40.000	41.710	-4.3	97	0.00
13	C	1,4-Dichlorobenzene	40.000	41.603	-4.0	98	0.00
14		1,2-Dichlorobenzene	40.000	41.508	-3.8	97	0.00
15		Benzyl Alcohol	40.000	43.062	-7.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.704	-9.3	101	0.00
17		2-Methylphenol	40.000	43.353	-8.4	101	0.00
18		Hexachloroethane	40.000	41.409	-3.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	45.972	-14.9	105	0.00
20		3+4-Methylphenols	40.000	42.591	-6.5	98	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	41.032	-2.6	101	0.00
23	S	Nitrobenzene-d5	80.000	80.547	-0.7	94	0.00
24		Nitrobenzene	40.000	40.927	-2.3	95	0.00
25		Isophorone	40.000	41.948	-4.9	102	0.00
26	C	2-Nitrophenol	40.000	33.699	15.8	88	0.00
27		2,4-Dimethylphenol	40.000	42.557	-6.4	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.969	-4.9	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.048	-5.1	99	0.00
30		1,2,4-Trichlorobenzene	40.000	40.719	-1.8	100	0.00
31		Naphthalene	40.000	40.895	-2.2	102	0.00
32		Benzoic acid	40.000	33.268	16.8	83	0.00
33		4-Chloroaniline	40.000	41.846	-4.6	104	0.00
34	C	Hexachlorobutadiene	40.000	40.684	-1.7	102	0.00
35		Caprolactam	40.000	38.487	3.8	93	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.668	-4.2	99	0.00
37		2-Methylnaphthalene	40.000	41.357	-3.4	103	0.00
38		1-Methylnaphthalene	40.000	40.851	-2.1	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.969	0.1	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.818	8.0	90	0.00
42	S	2,4,6-Tribromophenol	80.000	79.732	0.3	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.278	-3.2	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.000	-2.5	98	0.00
45	S	2-Fluorobiphenyl	80.000	80.739	-0.9	101	0.00
46		1,1'-Biphenyl	40.000	41.012	-2.5	102	0.00
47		2-Chloronaphthalene	40.000	40.928	-2.3	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	34.152	14.6	90	0.00
49		Acenaphthylene	40.000	40.780	-2.0	101	0.00
50		Dimethylphthalate	40.000	40.096	-0.2	98	0.00
51		2,6-Dinitrotoluene	40.000	35.352	11.6	92	0.00
52	C	Acenaphthene	40.000	40.659	-1.6	101	0.00
53		3-Nitroaniline	40.000	40.529	-1.3	95	0.00
54	P	2,4-Dinitrophenol	40.000	37.232	6.9	101	0.00
55		Dibenzofuran	40.000	40.693	-1.7	101	0.00
56	P	4-Nitrophenol	40.000	38.706	3.2	95	0.00
57		2,4-Dinitrotoluene	40.000	34.936	12.7	90	0.00
58		Fluorene	40.000	39.986	0.0	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.112	-2.8	98	0.00
60		Diethylphthalate	40.000	39.366	1.6	97	0.00
61		4-Chlorophenyl-phenylether	40.000	39.849	0.4	99	0.00
62		4-Nitroaniline	40.000	41.112	-2.8	96	0.00
63		Azobenzene	40.000	41.315	-3.3	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.510	6.2	100	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.867	-4.7	100	0.00
67		4-Bromophenyl-phenylether	40.000	41.720	-4.3	99	0.00
68		Hexachlorobenzene	40.000	41.094	-2.7	98	0.00
69		Atrazine	40.000	37.977	5.1	93	0.00
70	C	Pentachlorophenol	40.000	40.129	-0.3	97	0.00
71		Phenanthrene	40.000	40.740	-1.9	99	0.00
72		Anthracene	40.000	41.035	-2.6	100	0.00
73		Carbazole	40.000	40.561	-1.4	100	0.00
74		Di-n-butylphthalate	40.000	38.911	2.7	92	0.00
75	C	Fluoranthene	40.000	40.019	-0.0	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	59.923	-49.8#	143	0.00
78		Pyrene	40.000	40.568	-1.4	98	0.00
79	S	Terphenyl-d14	80.000	80.733	-0.9	98	0.00
80		Butylbenzylphthalate	40.000	42.388	-6.0	97	0.00
81		Benzo(a)anthracene	40.000	41.414	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	40.000	40.849	-2.1	99	0.00
83		Chrysene	40.000	41.033	-2.6	101	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.146	-5.4	97	0.00
85	c	Di-n-octyl phthalate	40.000	41.817	-4.5	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.398	-3.5	102	0.00
88		Benzo(b)fluoranthene	40.000	41.242	-3.1	101	0.00
89		Benzo(k)fluoranthene	40.000	42.319	-5.8	106	0.00
90	C	Benzo(a)pyrene	40.000	41.573	-3.9	103	0.00
91		Dibenzo(a,h)anthracene	40.000	41.553	-3.9	103	0.00
92		Benzo(g,h,i)perylene	40.000	41.032	-2.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2		1,4-Dioxane	0.528	0.633	-19.9	119	0.00
3		Pyridine	1.584	2.455	-55.0#	145	0.00
4		n-Nitrosodimethylamine	0.850	1.000	-17.6	110	0.00
5	S	2-Fluorophenol	1.192	1.450	-21.6	111	0.00
6		Aniline	2.225	2.744	-23.3	114	0.00
7	S	Phenol-d6	1.635	2.044	-25.0#	114	0.00
8		2-Chlorophenol	1.247	1.578	-26.5#	114	0.00
9		Benzaldehyde	0.893	1.717	-92.3#	181#	0.00
10	C	Phenol	1.808	2.253	-24.6#	115	0.00
11		bis(2-Chloroethyl)ether	1.329	1.620	-21.9	116	0.00
12		1,3-Dichlorobenzene	1.435	1.497	-4.3	97	0.00
13	C	1,4-Dichlorobenzene	1.460	1.518	-4.0	98	0.00
14		1,2-Dichlorobenzene	1.408	1.461	-3.8	97	0.00
15		Benzyl Alcohol	1.348	1.452	-7.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.810	-9.3	101	0.00
17		2-Methylphenol	1.201	1.301	-8.3	101	0.00
18		Hexachloroethane	0.512	0.530	-3.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.299	-15.0	105	0.00
20		3+4-Methylphenols	1.688	1.798	-6.5	98	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.547	0.561	-2.6	101	0.00
23	S	Nitrobenzene-d5	0.333	0.335	-0.6	94	0.00
24		Nitrobenzene	0.362	0.371	-2.5	95	0.00
25		Isophorone	0.799	0.838	-4.9	102	0.00
26	C	2-Nitrophenol	0.121	0.114	5.8	88	0.00
27		2,4-Dimethylphenol	0.297	0.316	-6.4	99	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.477	-4.8	103	0.00
29	C	2,4-Dichlorophenol	0.320	0.336	-5.0	99	0.00
30		1,2,4-Trichlorobenzene	0.363	0.370	-1.9	100	0.00
31		Naphthalene	1.109	1.134	-2.3	102	0.00
32		Benzoic acid	0.207	0.176	15.0	83	0.00
33		4-Chloroaniline	0.431	0.451	-4.6	104	0.00
34	C	Hexachlorobutadiene	0.284	0.289	-1.8	102	0.00
35		Caprolactam	0.123	0.118	4.1	93	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.401	-4.4	99	0.00
37		2-Methylnaphthalene	0.814	0.842	-3.4	103	0.00
38		1-Methylnaphthalene	0.806	0.823	-2.1	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.671	0.0	100	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.278	7.9	90	0.00
42	S	2,4,6-Tribromophenol	0.289	0.288	0.3	95	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.396	-3.1	98	0.00
44		2,4,5-Trichlorophenol	0.443	0.454	-2.5	98	0.00
45	S	2-Fluorobiphenyl	1.319	1.332	-1.0	101	0.00
46		1,1'-Biphenyl	1.422	1.458	-2.5	102	0.00
47		2-Chloronaphthalene	1.073	1.098	-2.3	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.299	3.9	90	0.00
49		Acenaphthylene	1.693	1.726	-1.9	101	0.00
50		Dimethylphthalate	1.530	1.534	-0.3	98	0.00
51		2,6-Dinitrotoluene	0.218	0.217	0.5	92	0.00
52	C	Acenaphthene	1.157	1.176	-1.6	101	0.00
53		3-Nitroaniline	0.263	0.266	-1.1	95	0.00
54	P	2,4-Dinitrophenol	0.132	0.132	0.0	101	0.00
55		Dibenzofuran	1.870	1.902	-1.7	101	0.00
56	P	4-Nitrophenol	0.244	0.236	3.3	95	0.00
57		2,4-Dinitrotoluene	0.340	0.332	2.4	90	0.00
58		Fluorene	1.460	1.460	0.0	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.435	-2.6	98	0.00
60		Diethylphthalate	1.563	1.538	1.6	97	0.00
61		4-Chlorophenyl-phenylether	0.820	0.816	0.5	99	0.00
62		4-Nitroaniline	0.293	0.301	-2.7	96	0.00
63		Azobenzene	1.434	1.481	-3.3	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.080	-1.3	100	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.565	-4.6	100	0.00
67		4-Bromophenyl-phenylether	0.237	0.247	-4.2	99	0.00
68		Hexachlorobenzene	0.270	0.278	-3.0	98	0.00
69		Atrazine	0.232	0.221	4.7	93	0.00
70	C	Pentachlorophenol	0.169	0.169	0.0	97	0.00
71		Phenanthrene	1.094	1.114	-1.8	99	0.00
72		Anthracene	1.113	1.141	-2.5	100	0.00
73		Carbazole	0.981	0.995	-1.4	100	0.00
74		Di-n-butylphthalate	1.134	1.104	2.6	92	0.00
75	C	Fluoranthene	1.370	1.371	-0.1	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.448	0.671	-49.8#	143	0.00
78		Pyrene	1.307	1.325	-1.4	98	0.00
79	S	Terphenyl-d14	1.060	1.069	-0.8	98	0.00
80		Butylbenzylphthalate	0.395	0.419	-6.1	97	0.00
81		Benzo(a)anthracene	1.326	1.373	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	99	0.00
83		Chrysene	1.262	1.294	-2.5	101	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.622	-5.4	97	0.00
85	c	Di-n-octyl phthalate	0.995	1.040	-4.5	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.523	-3.5	102	0.00
88		Benzo(b)fluoranthene	1.226	1.264	-3.1	101	0.00
89		Benzo(k)fluoranthene	1.227	1.298	-5.8	106	0.00
90	C	Benzo(a)pyrene	1.127	1.172	-4.0	103	0.00
91		Dibenzo(a,h)anthracene	1.195	1.242	-3.9	103	0.00
92		Benzo(g,h,i)perylene	1.142	1.171	-2.5	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 01:18:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

QC SAMPLE DATA

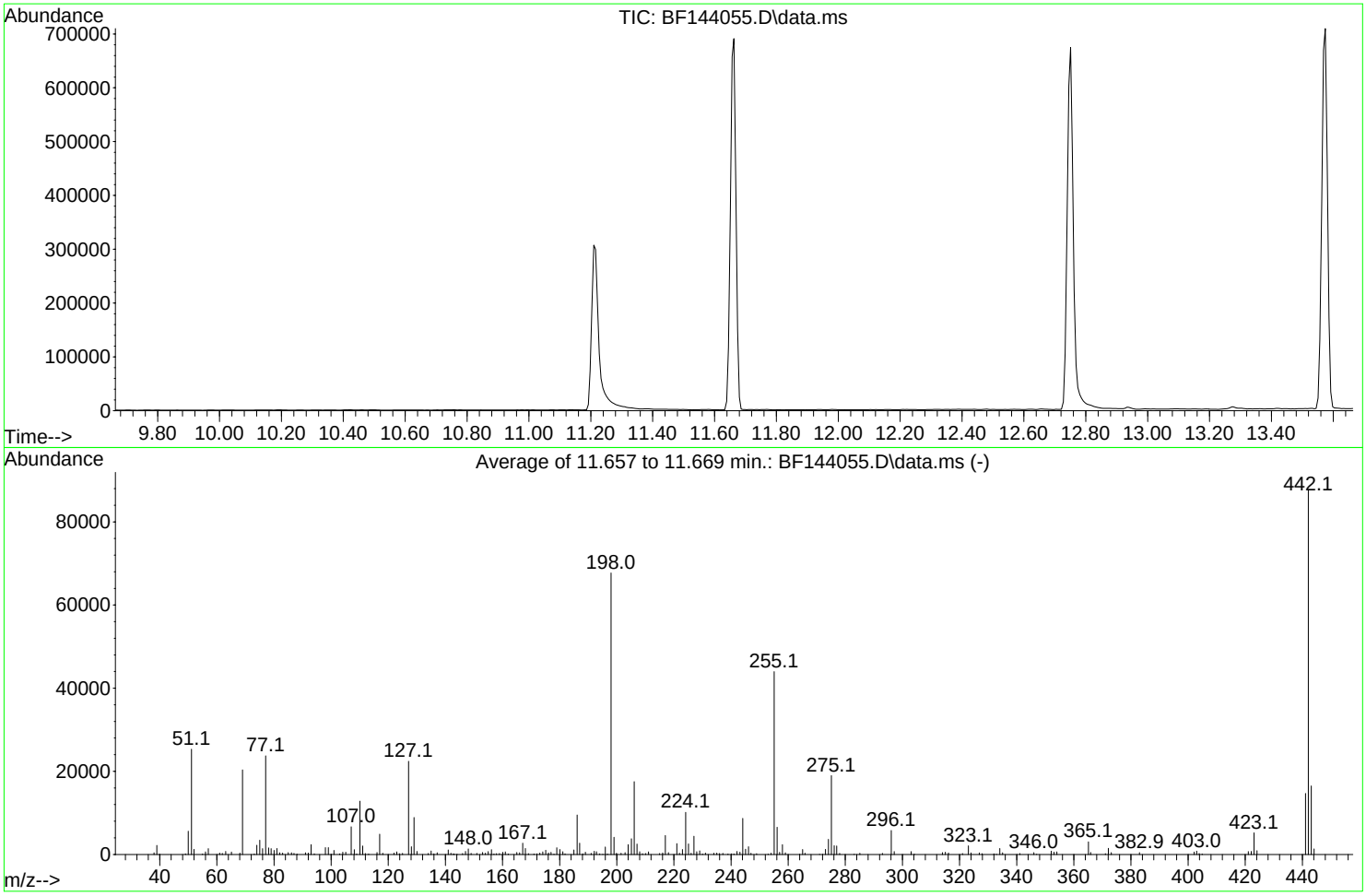
Sample Results: **BF144055.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025



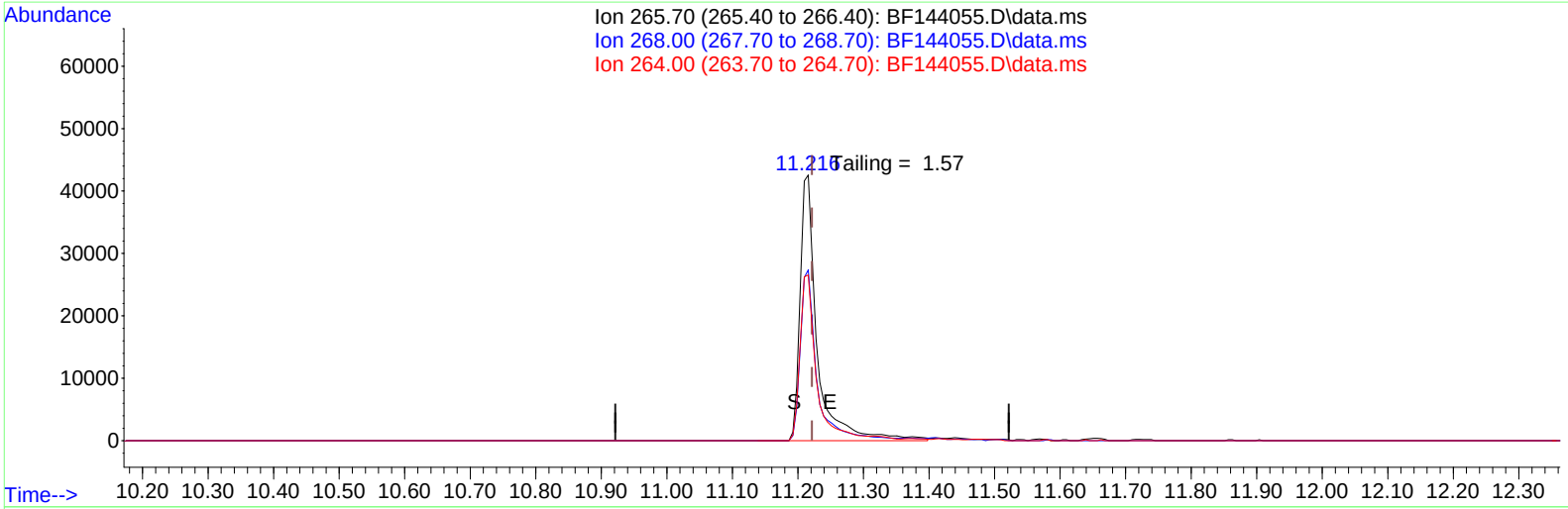
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

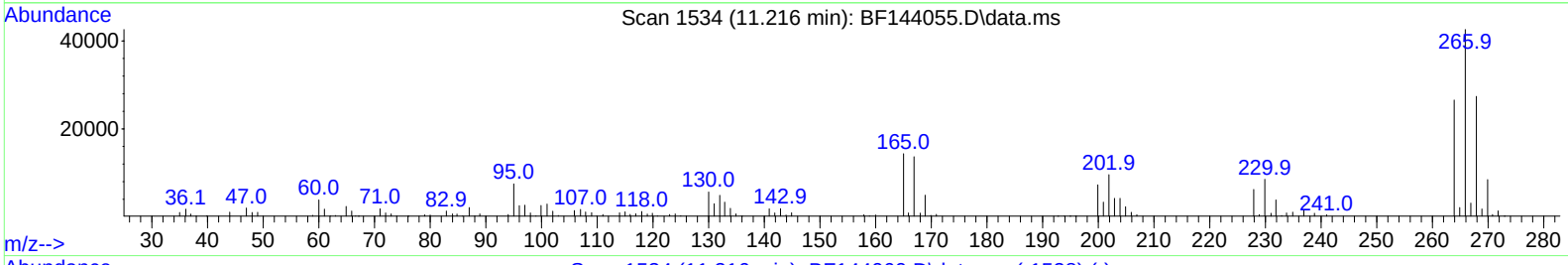
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	333	PASS
69	69	100	100	100.0	20363	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.2	133	PASS
198	198	100	100	100.0	67712	PASS
199	198	5	9	6.1	4142	PASS
365	198	1	100	4.5	3052	PASS
441	443	0.01	150	89.0	14677	PASS
442	442	100	100	100.0	87547	PASS
443	442	15	24	18.8	16486	PASS

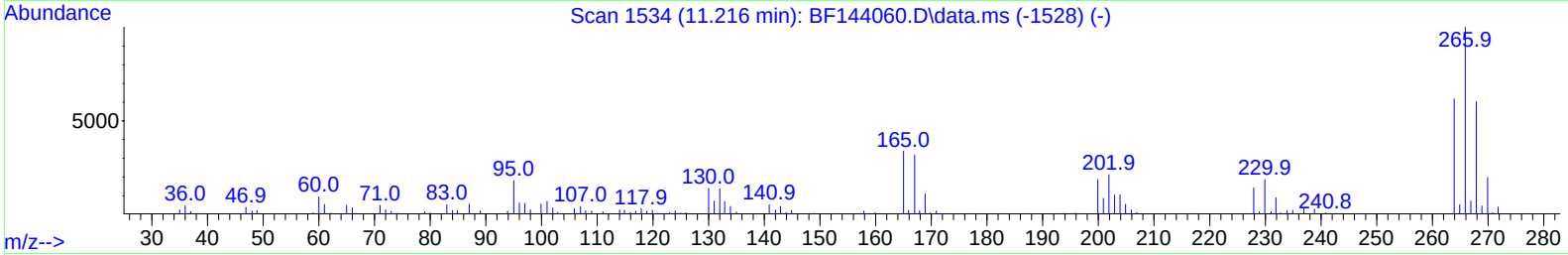
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 10:43:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF144055.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 43857.19 ng

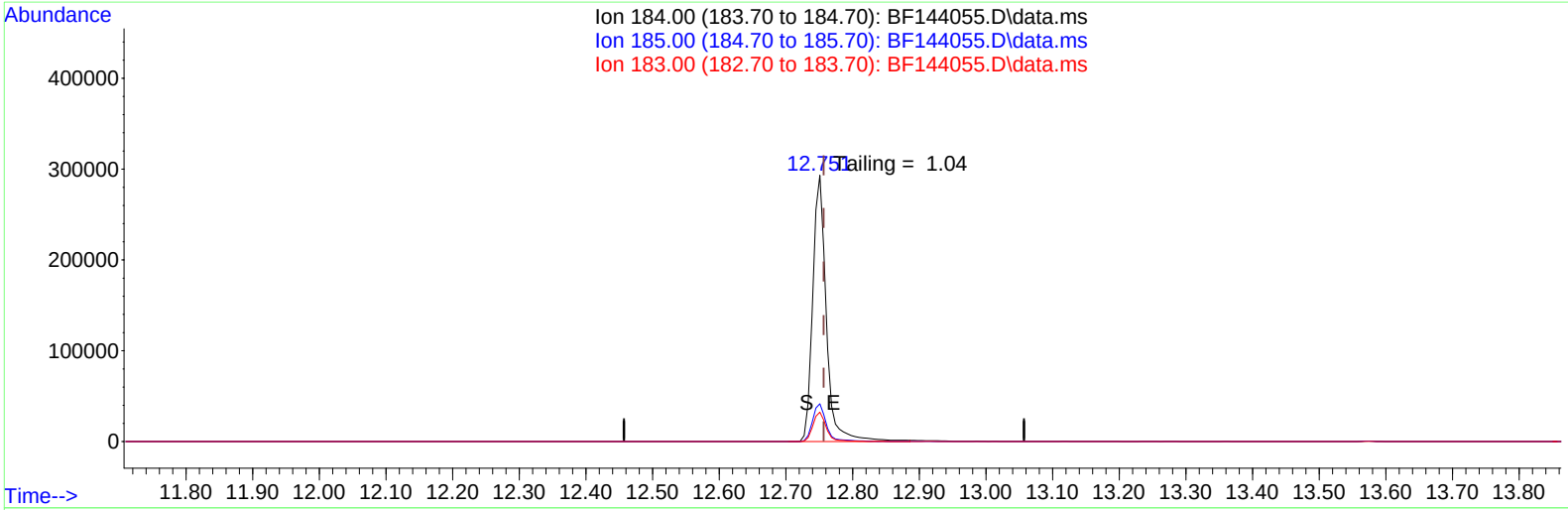
response 76701

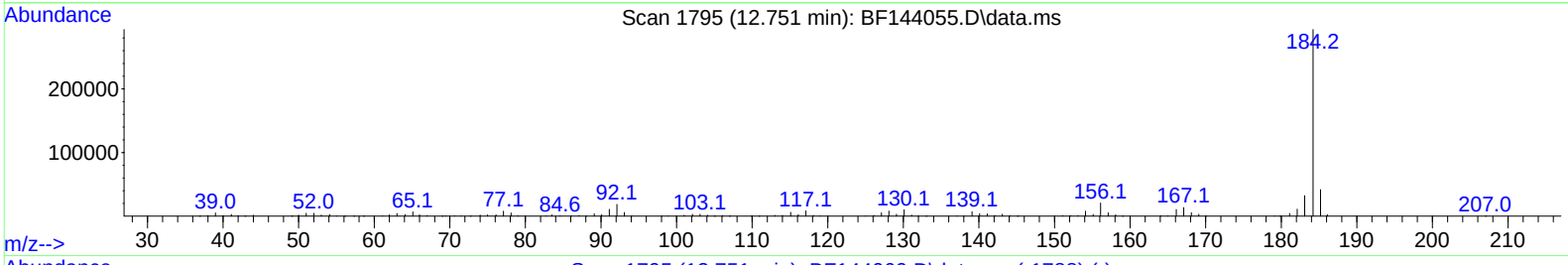
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	64.29
264.00	64.70	62.39
0.00	0.00	0.00

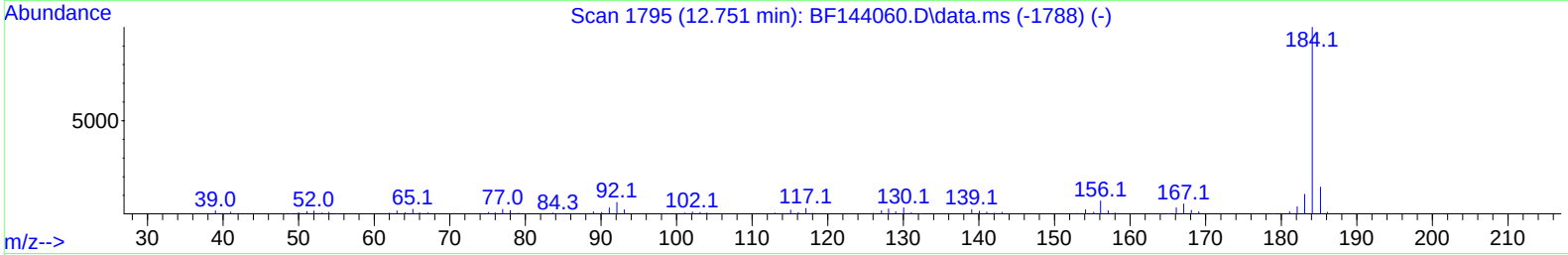
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 10:43:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF144055.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 416414

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.23
183.00	11.00	11.07
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

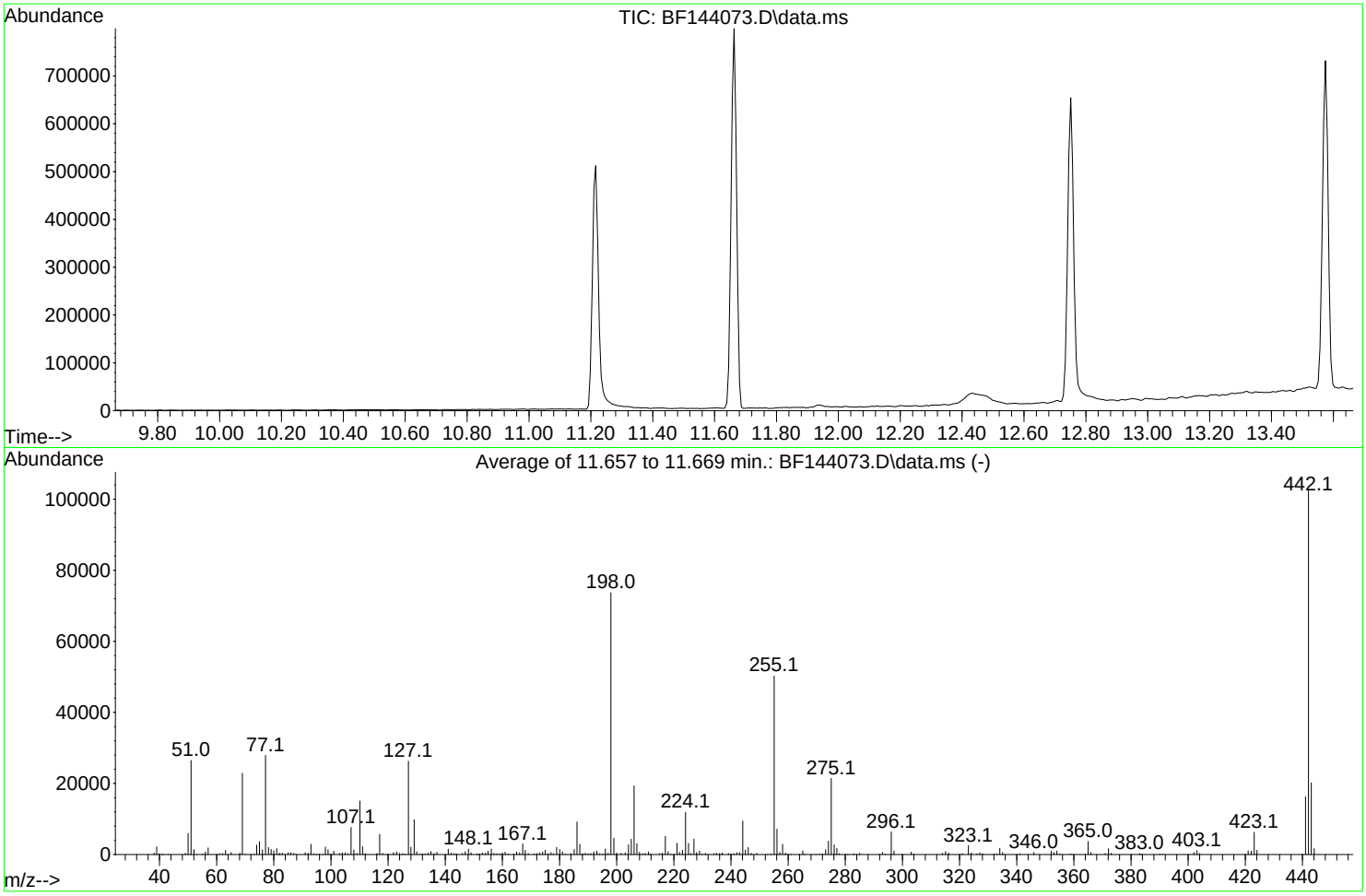
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_F	BF144055.D
Compound Name	**Response**	**Retention Time**
DDT	192449	13.574
DDD	3266	13.274
DDE	1346	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4612	197061	2.34

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144073.D
Acq On : 27 Oct 2025 09:29
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025



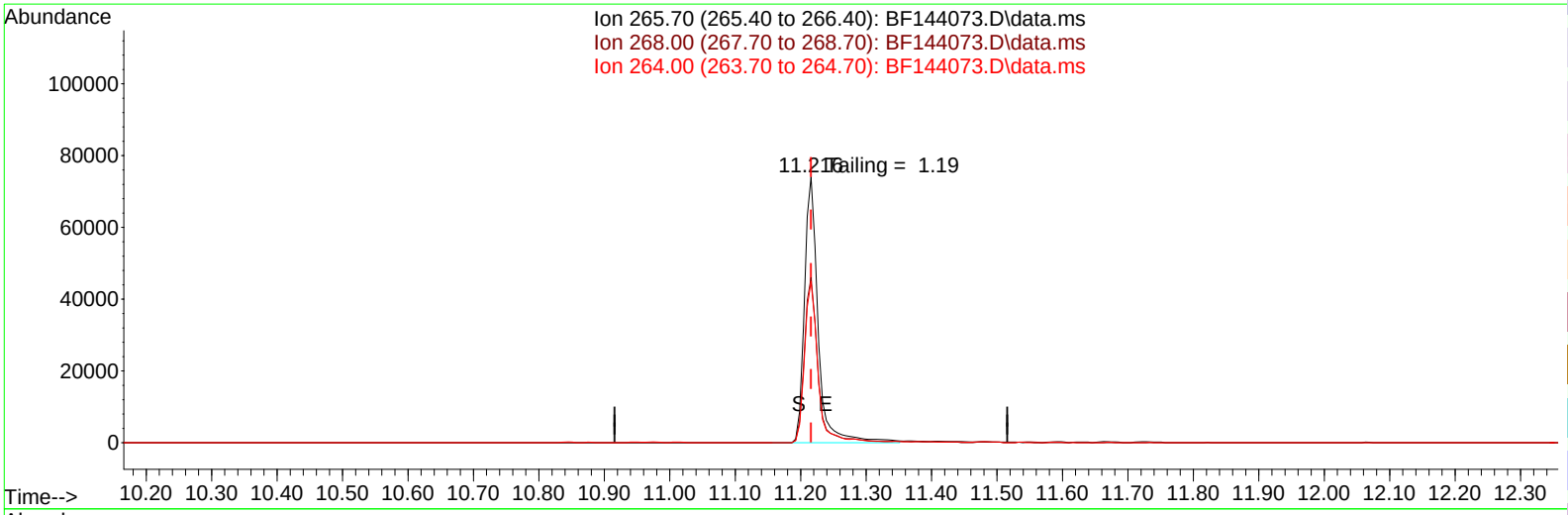
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

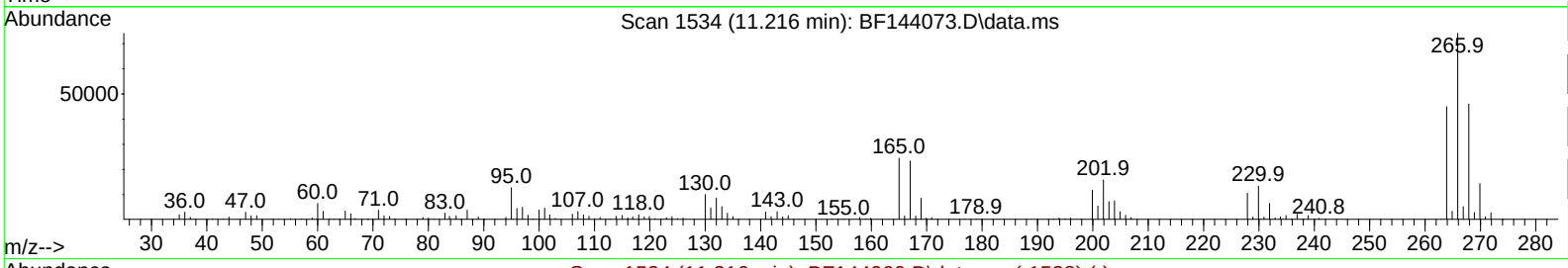
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	439	PASS
69	69	100	100	100.0	22889	PASS
70	69	0.00	2	0.5	121	PASS
197	198	0.00	2	0.5	369	PASS
198	198	100	100	100.0	73707	PASS
199	198	5	9	6.2	4588	PASS
365	198	1	100	4.9	3647	PASS
441	443	0.01	150	80.6	16254	PASS
442	442	100	100	100.0	102437	PASS
443	442	15	24	19.7	20159	PASS

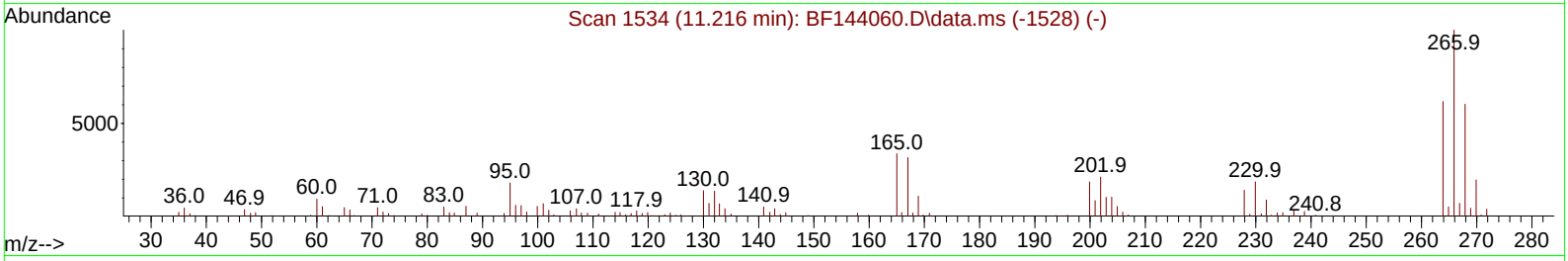
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144073.D
Acq On : 27 Oct 2025 09:29
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144073.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 52871.76 ng

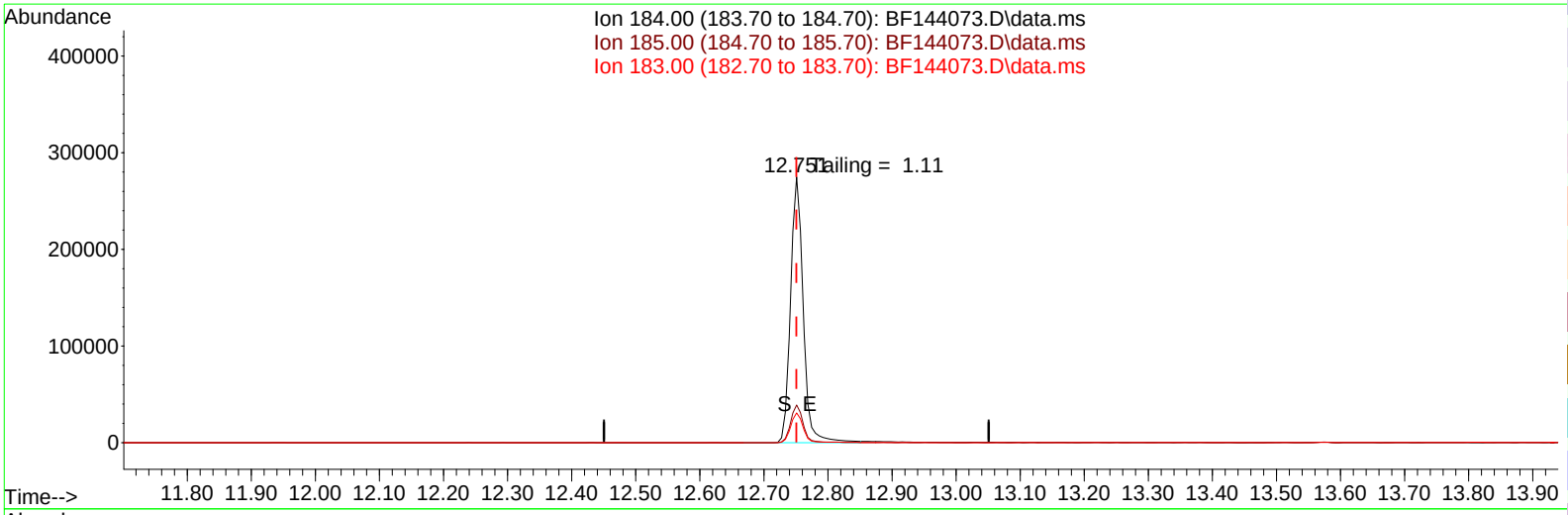
response 108593

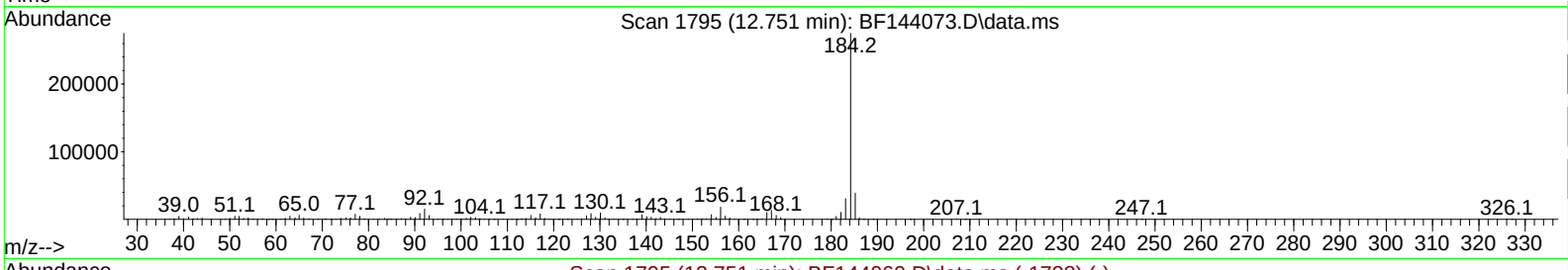
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.30	62.12
264.00	61.70	60.72
0.00	0.00	0.00

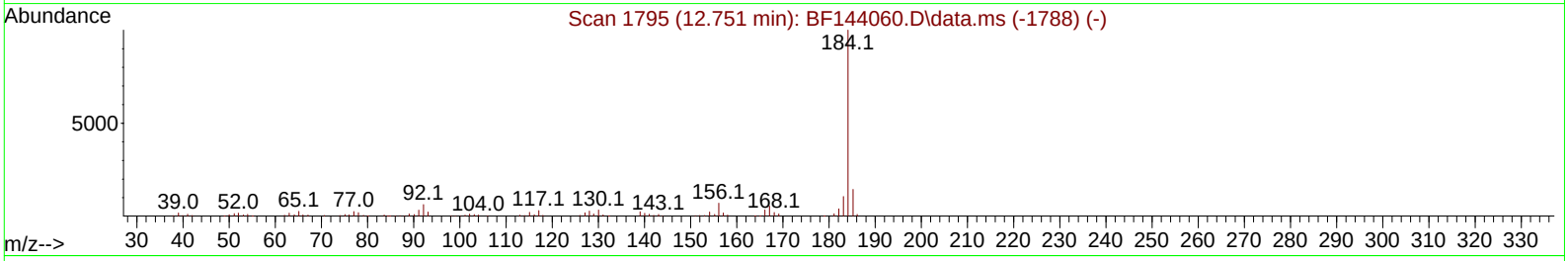
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144073.D
Acq On : 27 Oct 2025 09:29
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144073.D\data.ms

(77) Benzidine

12.751min (+ 0.000) 21247.29 ng m

response 380221

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.21
183.00	10.60	11.20
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/27/2025	BNA_F	BF144073.D
Compound Name	**Response**	**Retention Time**
DDT	178874	13.574
DDD	2782	13.275
DDE	115	12.992
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2897	181771	1.59

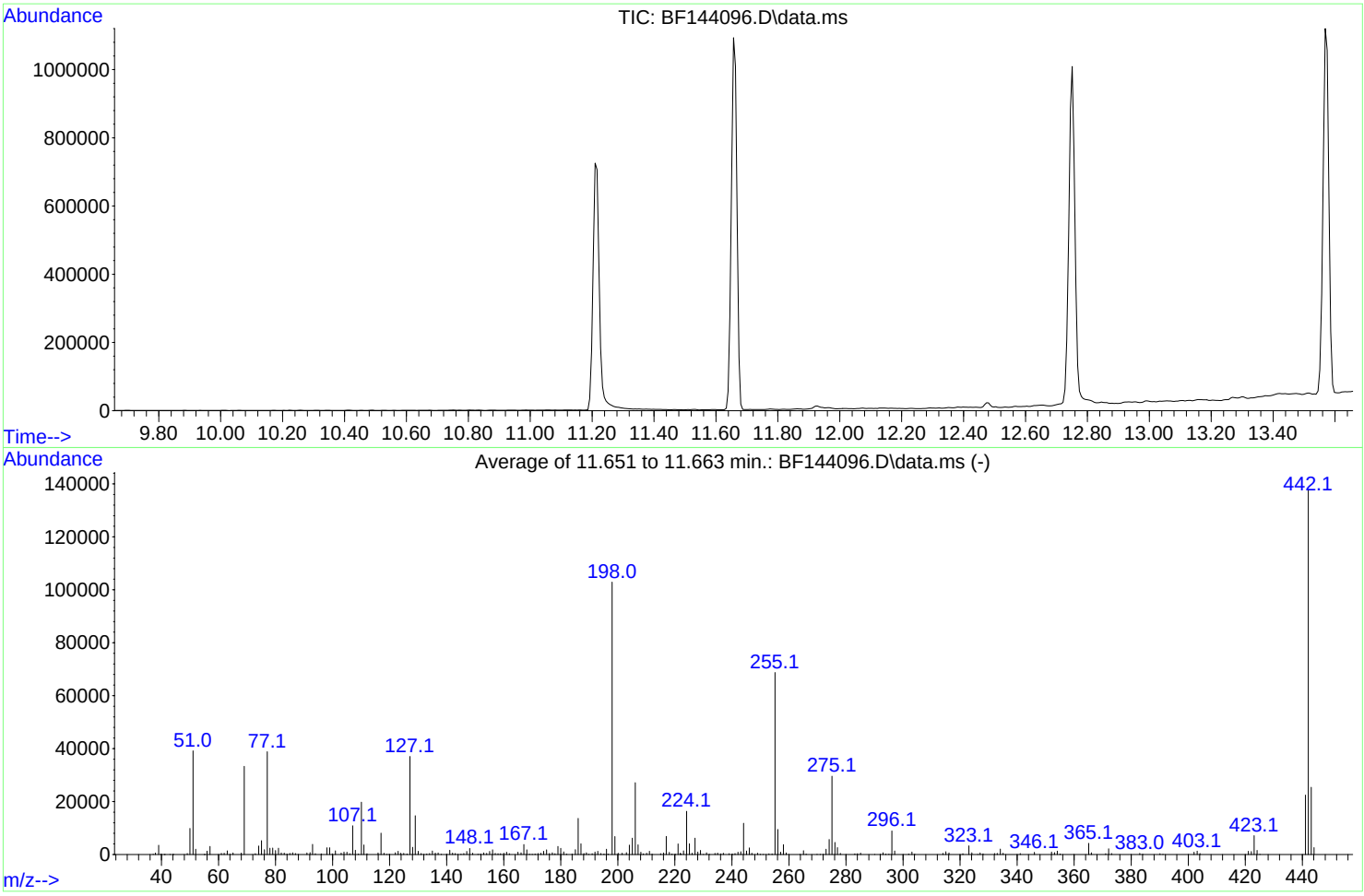
Sample Results: **BF144096.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144096.D
Acq On : 28 Oct 2025 12:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025



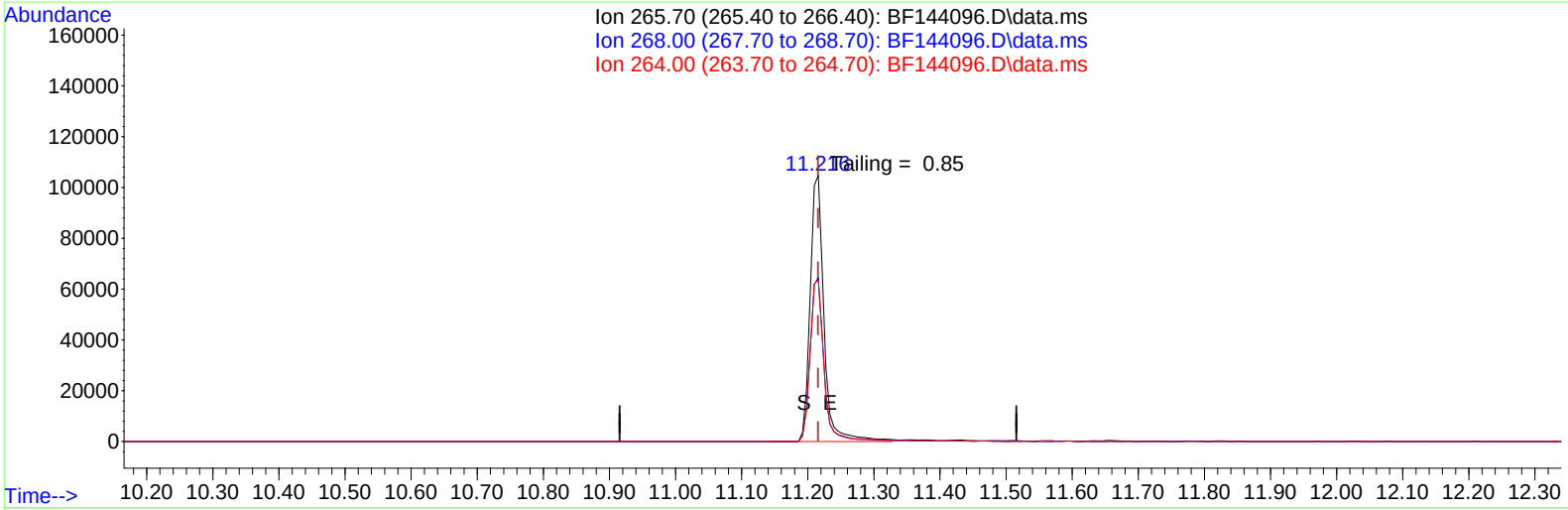
AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

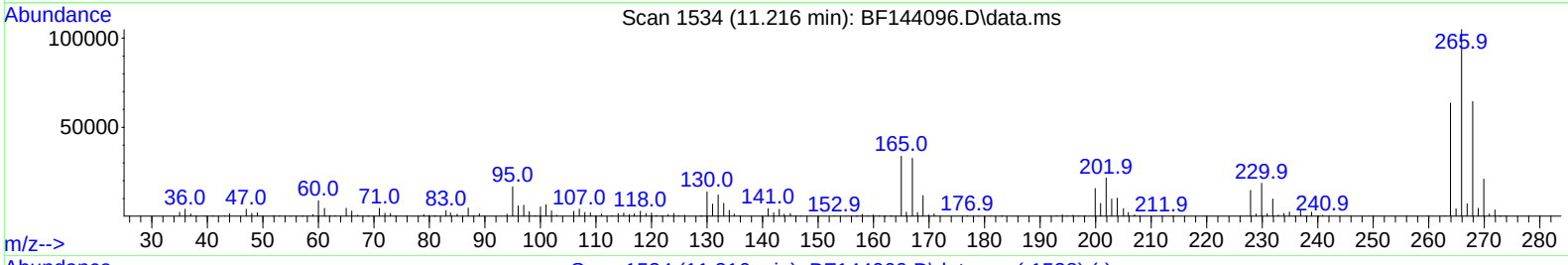
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	551	PASS
69	69	100	100	100.0	33349	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	102923	PASS
199	198	5	9	6.6	6806	PASS
365	198	1	100	4.1	4261	PASS
441	443	0.01	150	88.4	22452	PASS
442	442	100	100	100.0	137480	PASS
443	442	15	24	18.5	25399	PASS

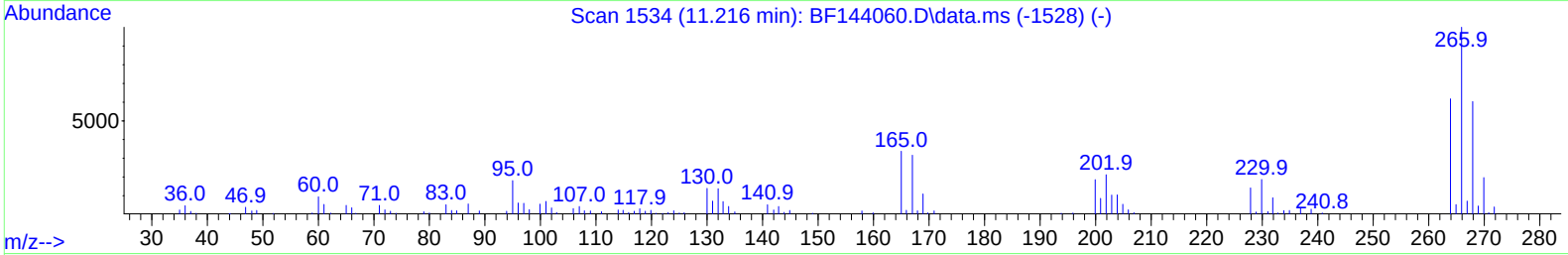
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144096.D
Acq On : 28 Oct 2025 12:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 28 14:08:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144096.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 40706.49 ng m

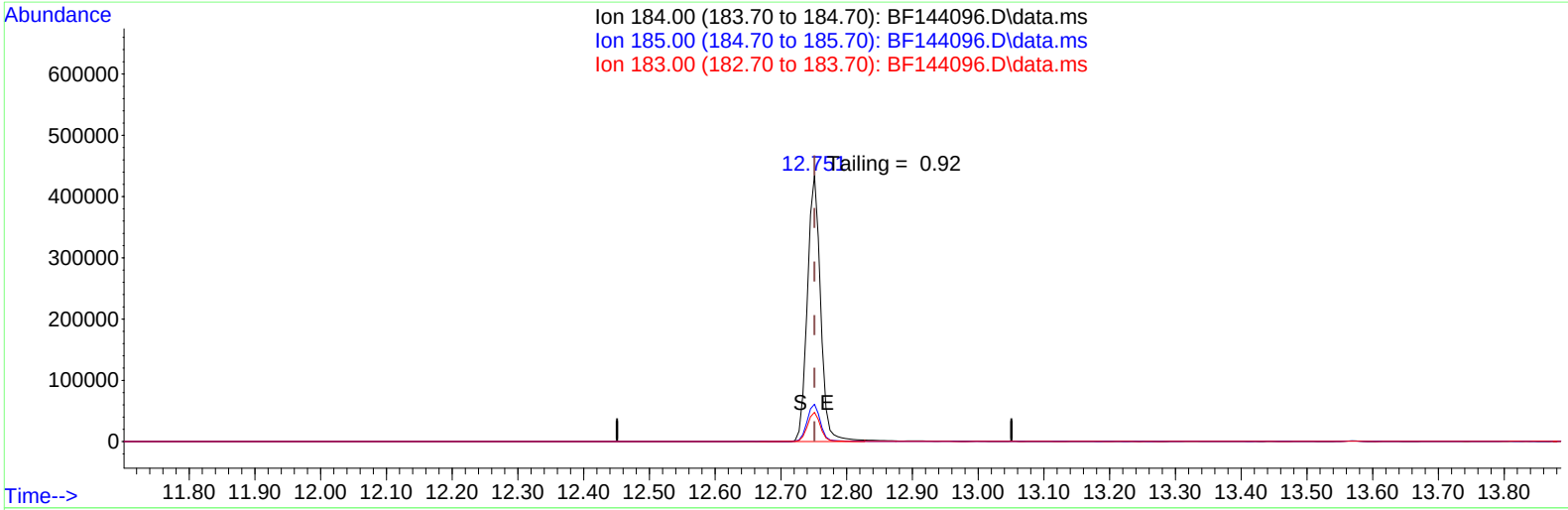
response 152337

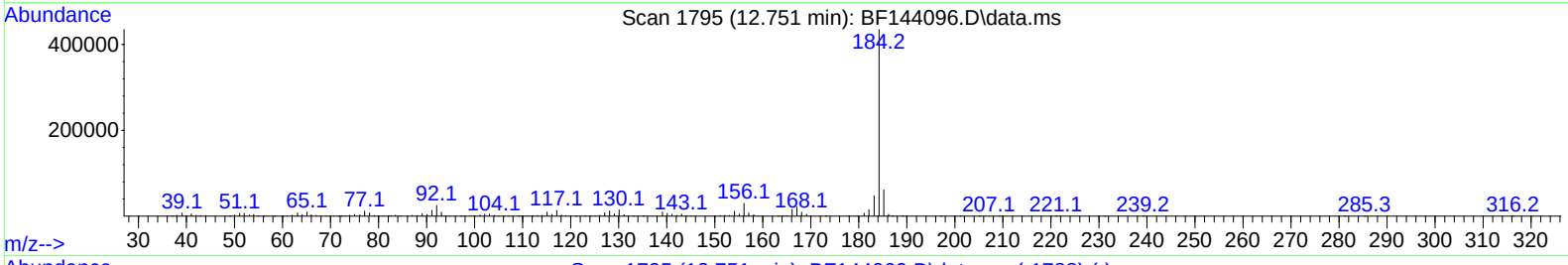
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.30	61.51
264.00	61.70	60.62
0.00	0.00	0.00

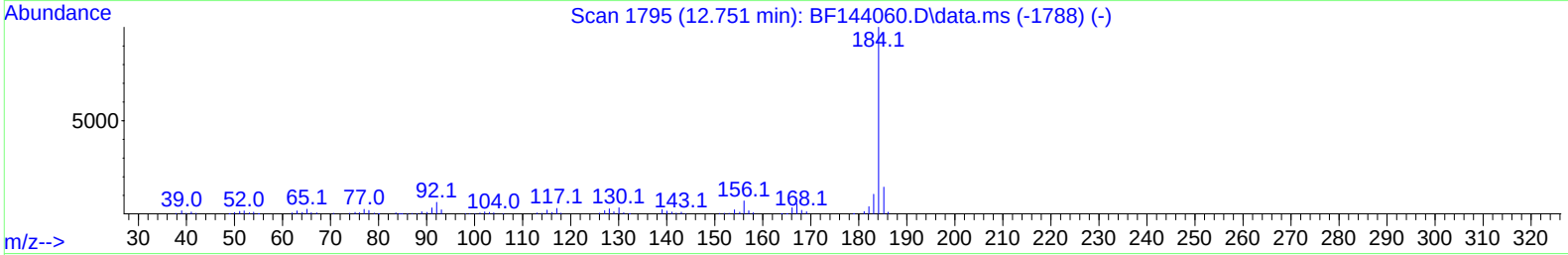
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144096.D
Acq On : 28 Oct 2025 12:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 28 14:08:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144096.D\data.ms

(77) Benzidine

12.751min (+ 0.000) 31665.53 ng

response 613959

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.04
183.00	10.60	10.96
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_F	BF144096.D
Compound Name	**Response**	**Retention Time**
DDT	289356	13.569
DDD	3978	13.274
DDE	557	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4535	293891	1.54

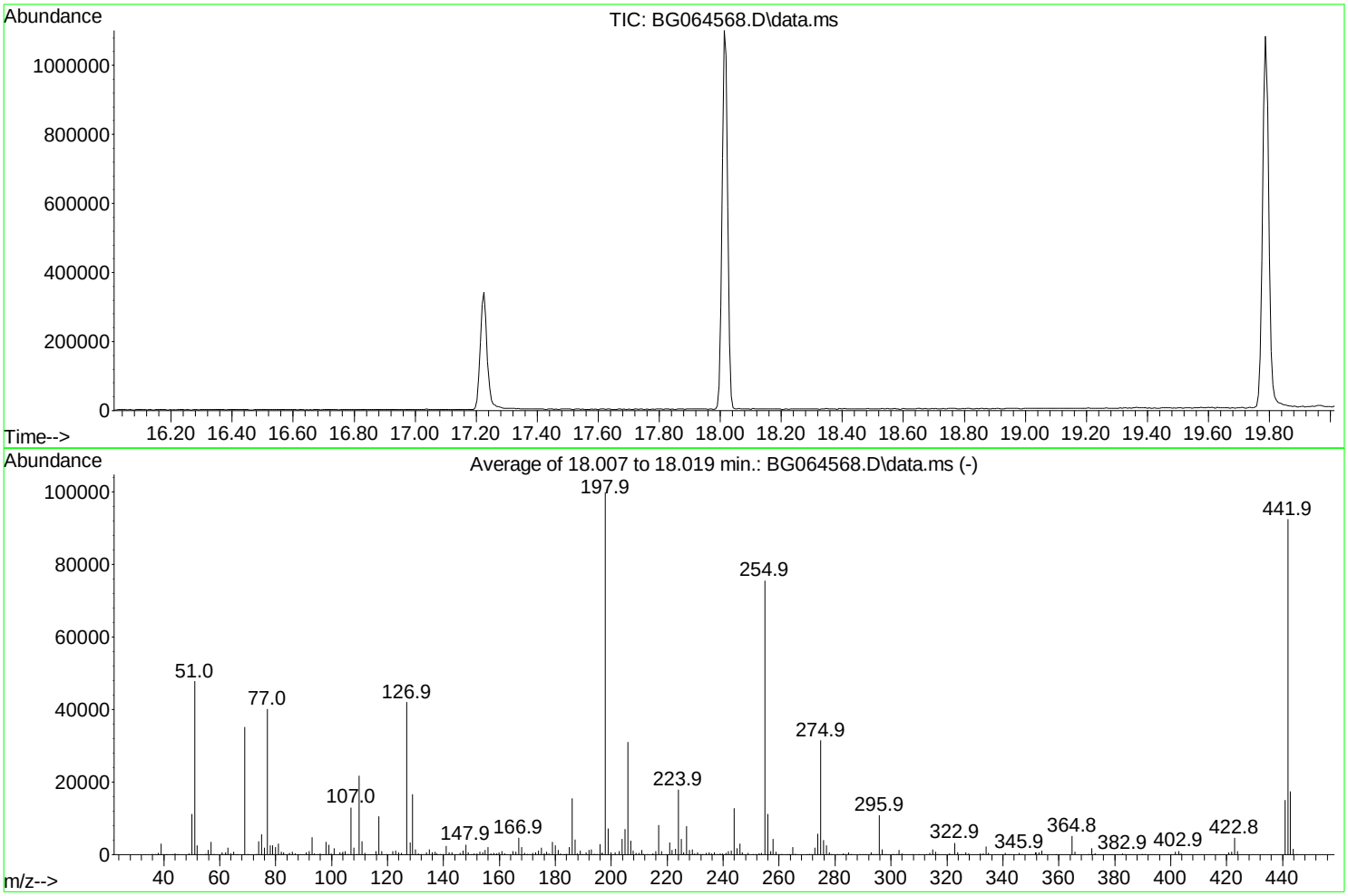
Sample Results: **BG064568.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



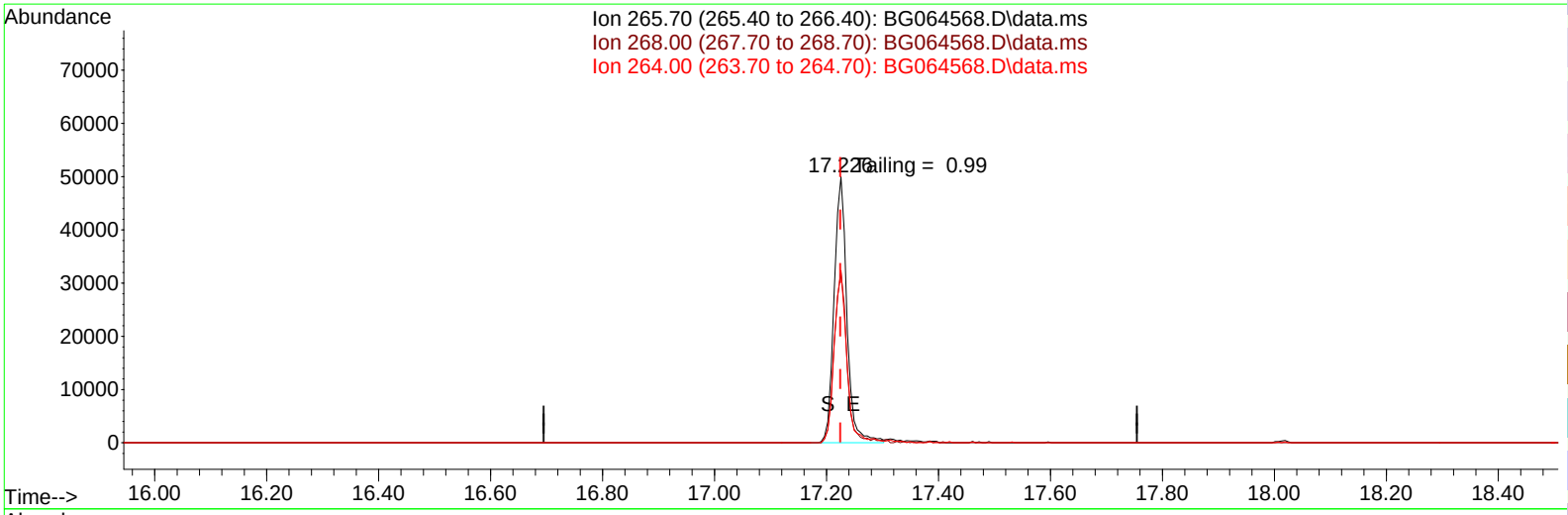
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

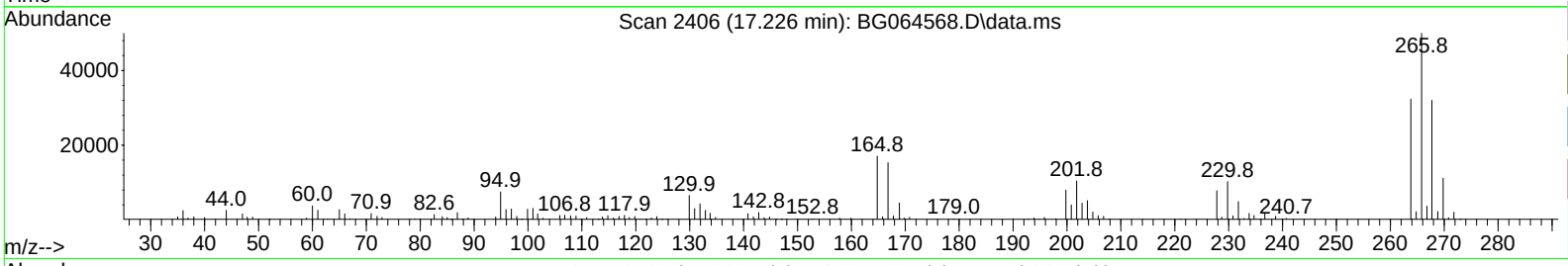
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

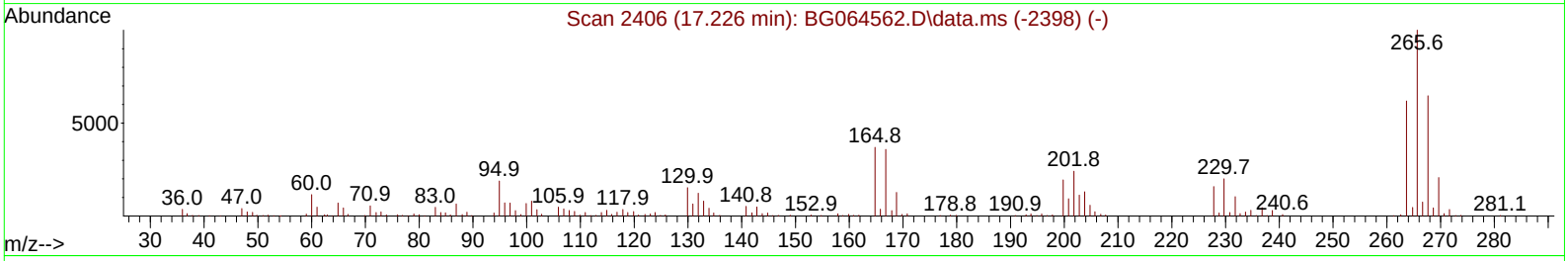
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

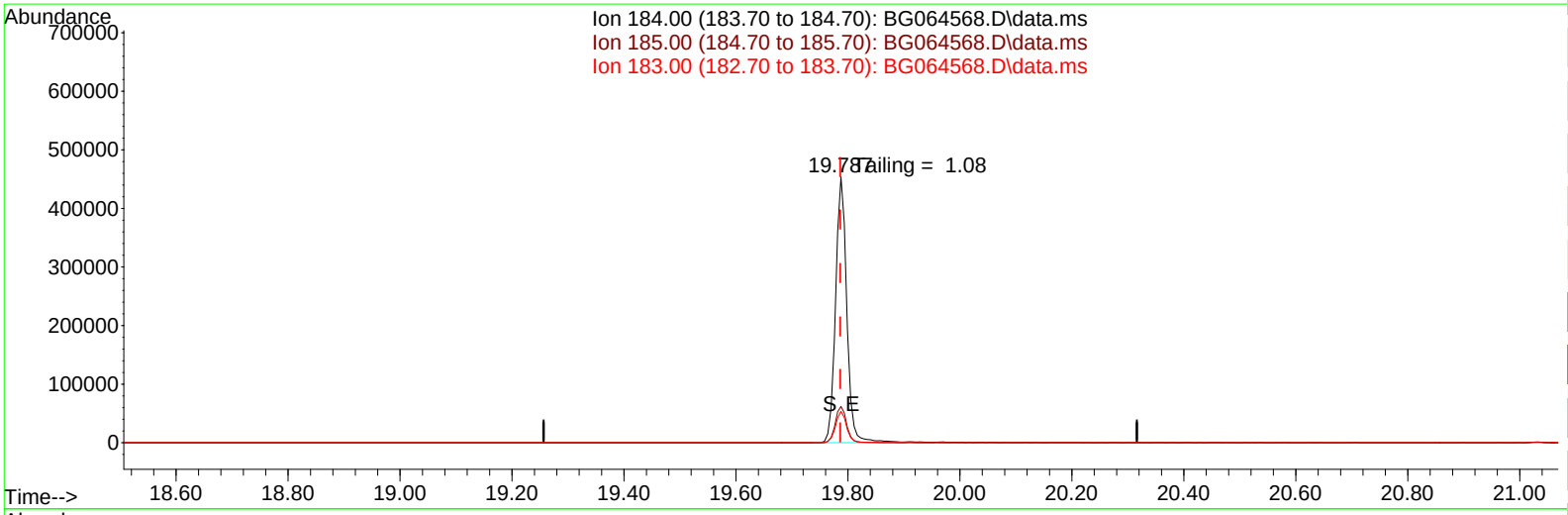
response 79720

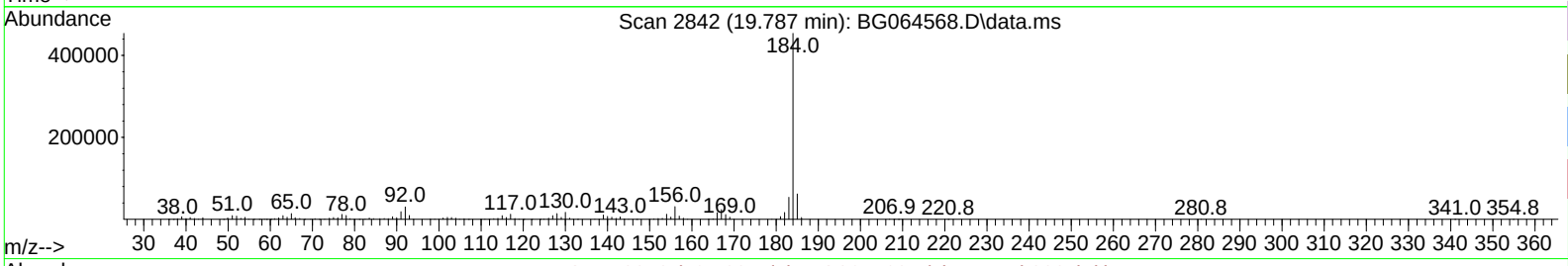
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

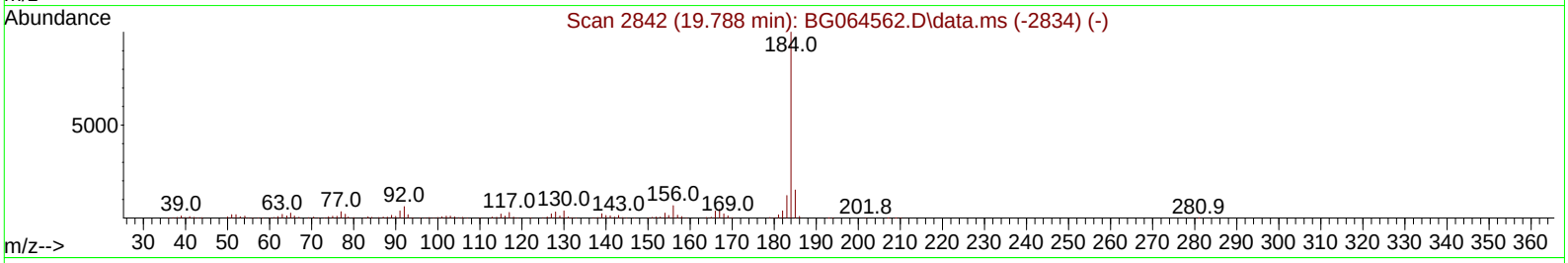
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	**Response**	**Retention Time**
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5598	255492	2.19

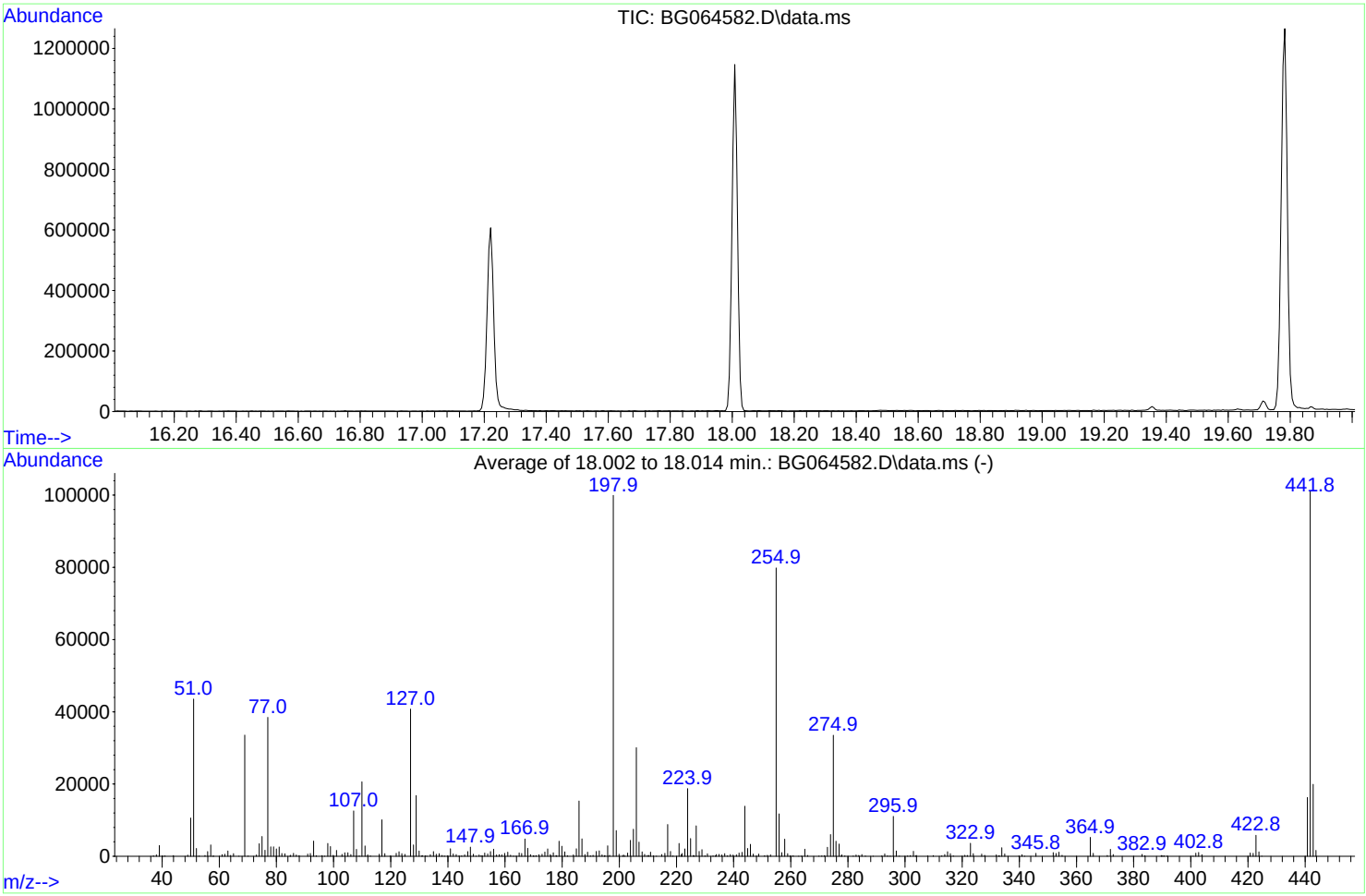
Sample Results: **BG064582.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



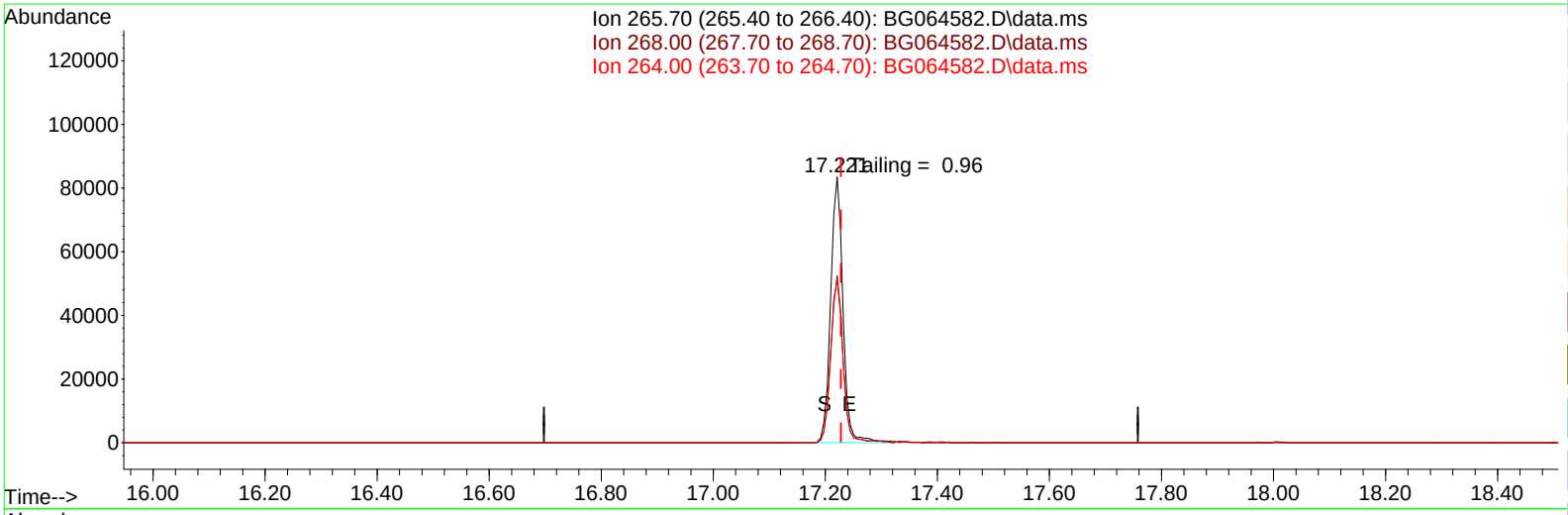
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2531

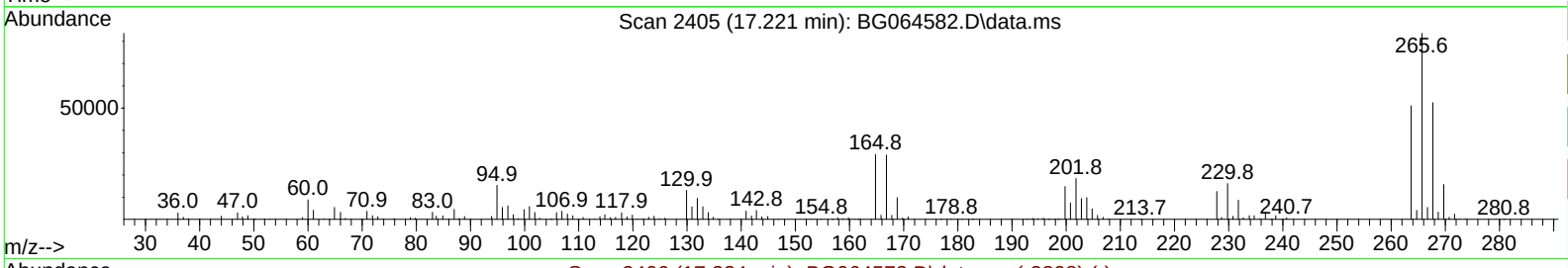
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	33541	PASS
70	69	0.00	2	0.2	69	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	99925	PASS
199	198	5	9	7.1	7116	PASS
365	198	1	100	5.2	5240	PASS
441	443	0.01	150	81.8	16292	PASS
442	442	100	100	100.0	100981	PASS
443	442	15	24	19.7	19929	PASS

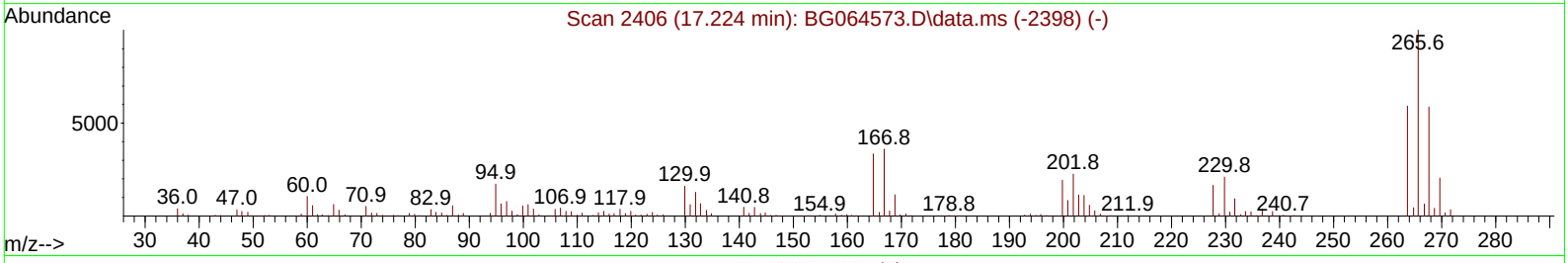
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064582.D\data.ms

(70) Pentachlorophenol (C)

17.221min (-0.007) 22087.76 ng

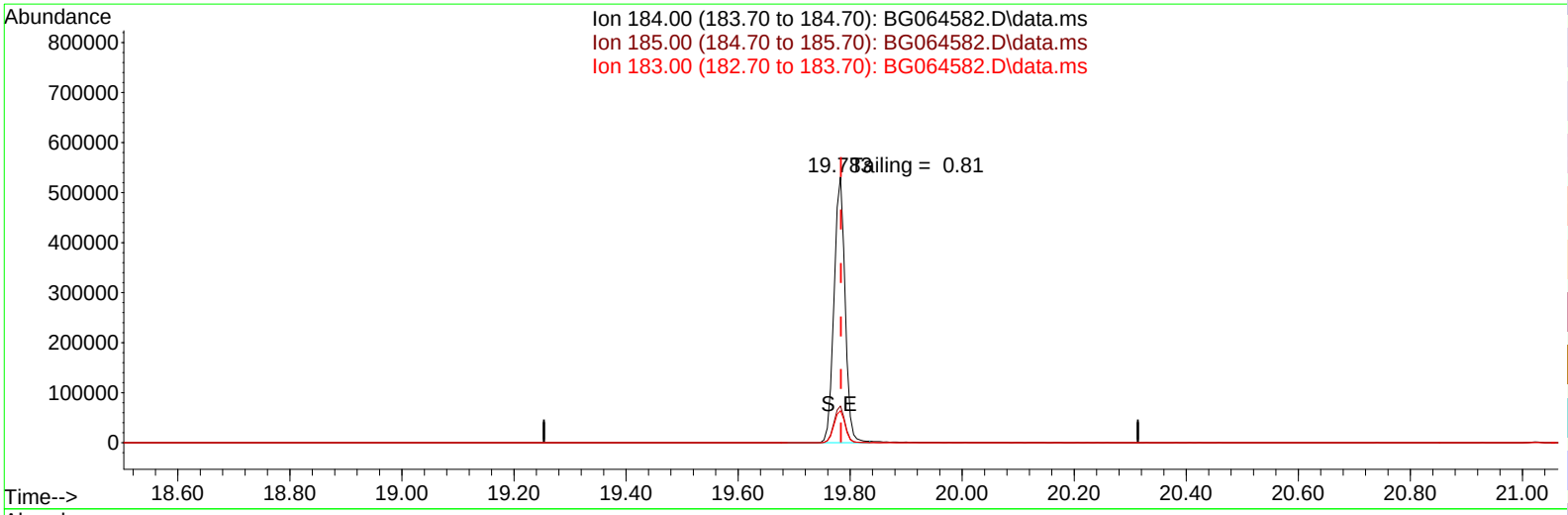
response 128671

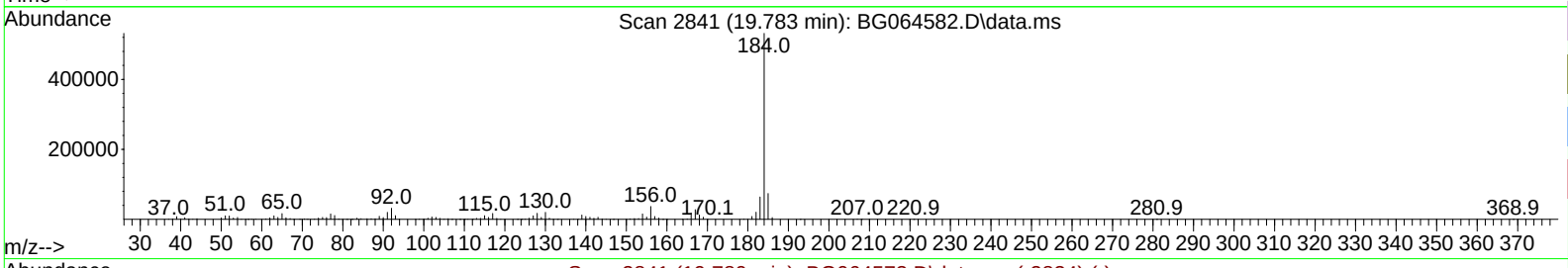
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	66.87
264.00	59.10	66.07
0.00	0.00	0.00

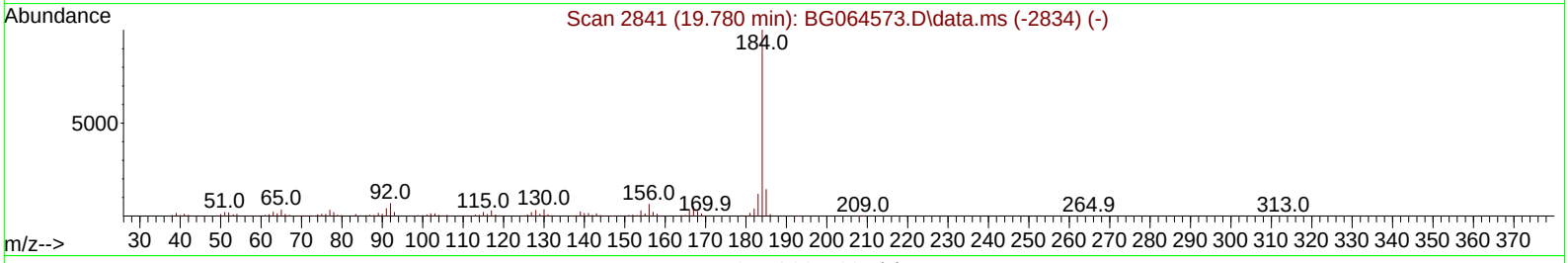
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064582.D\data.ms

(77) Benzidine

19.783min (-0.001) 0.00 ng

response 736001

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.87
183.00	11.80	12.04
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/27/2025	BNA_G	BG064582.D
Compound Name	**Response**	**Retention Time**
DDT	310182	21.022
DDD	7570	20.576
DDE	57	19.706
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7627	317809	2.40

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 905			Date Received:	
Client Sample ID:	PB170246BL			SDG No.:	Q3447
Lab Sample ID:	PB170246BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	10/27/25 14:41	PB170246
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/27/25 14:41	PB170246
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/27/25 14:41	PB170246
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/27/25 14:41	PB170246
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/27/25 14:41	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/27/25 14:41	PB170246
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/27/25 14:41	PB170246
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/27/25 14:41	PB170246
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	80.0	ug/Kg	10/27/25 14:41	PB170246
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/27/25 14:41	PB170246
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/27/25 14:41	PB170246
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/27/25 14:41	PB170246
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/27/25 14:41	PB170246
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/27/25 14:41	PB170246
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/27/25 14:41	PB170246
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/27/25 14:41	PB170246
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/27/25 14:41	PB170246
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/27/25 14:41	PB170246
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/27/25 14:41	PB170246
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/27/25 14:41	PB170246
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/27/25 14:41	PB170246
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/27/25 14:41	PB170246
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/27/25 14:41	PB170246
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/27/25 14:41	PB170246
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/27/25 14:41	PB170246
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/27/25 14:41	PB170246
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/27/25 14:41	PB170246
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/27/25 14:41	PB170246
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/27/25 14:41	PB170246
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/27/25 14:41	PB170246
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/27/25 14:41	PB170246
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/27/25 14:41	PB170246
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/27/25 14:41	PB170246
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/27/25 14:41	PB170246
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/27/25 14:41	PB170246
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/27/25 14:41	PB170246
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/27/25 14:41	PB170246
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/27/25 14:41	PB170246
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/27/25 14:41	PB170246
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/27/25 14:41	PB170246
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/27/25 14:41	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/27/25 14:41	PB170246

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 905			Date Received:	
Client Sample ID:	PB170246BL			SDG No.:	Q3447
Lab Sample ID:	PB170246BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	10/27/25 14:41	PB170246
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/27/25 14:41	PB170246
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/27/25 14:41	PB170246
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/27/25 14:41	PB170246
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/27/25 14:41	PB170246
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/27/25 14:41	PB170246
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/27/25 14:41	PB170246
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/27/25 14:41	PB170246
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/27/25 14:41	PB170246
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/27/25 14:41	PB170246
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/27/25 14:41	PB170246
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/27/25 14:41	PB170246
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/27/25 14:41	PB170246
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/27/25 14:41	PB170246
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/27/25 14:41	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/27/25 14:41	PB170246
117-84-0	Di-n-octyl phthalate	86.8	U	1	86.8	330	ug/Kg	10/27/25 14:41	PB170246
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/27/25 14:41	PB170246
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/27/25 14:41	PB170246
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/27/25 14:41	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/27/25 14:41	PB170246
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/27/25 14:41	PB170246
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/27/25 14:41	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/27/25 14:41	PB170246
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/27/25 14:41	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/27/25 14:41	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	165			18 - 112	110%	SPK: 150		
13127-88-3	Phenol-d6	141			15 - 107	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	105			18 - 107	105%	SPK: 100		
321-60-8	2-Fluorobiphenyl	92.2			20 - 109	92%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	158			10 - 116	105%	SPK: 150		
1718-51-0	Terphenyl-d14	94.4			10 - 105	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	42400							
1146-65-2	Naphthalene-d8	160000							
15067-26-2	Acenaphthene-d10	131000							
1517-22-2	Phenanthrene-d10	336000							
1719-03-5	Chrysene-d12	366000							
1520-96-3	Perylene-d12	385000							

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 905			Date Received:	
Client Sample ID:	PB170246BL			SDG No.:	Q3447
Lab Sample ID:	PB170246BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Quant Time: Oct 27 15:18:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

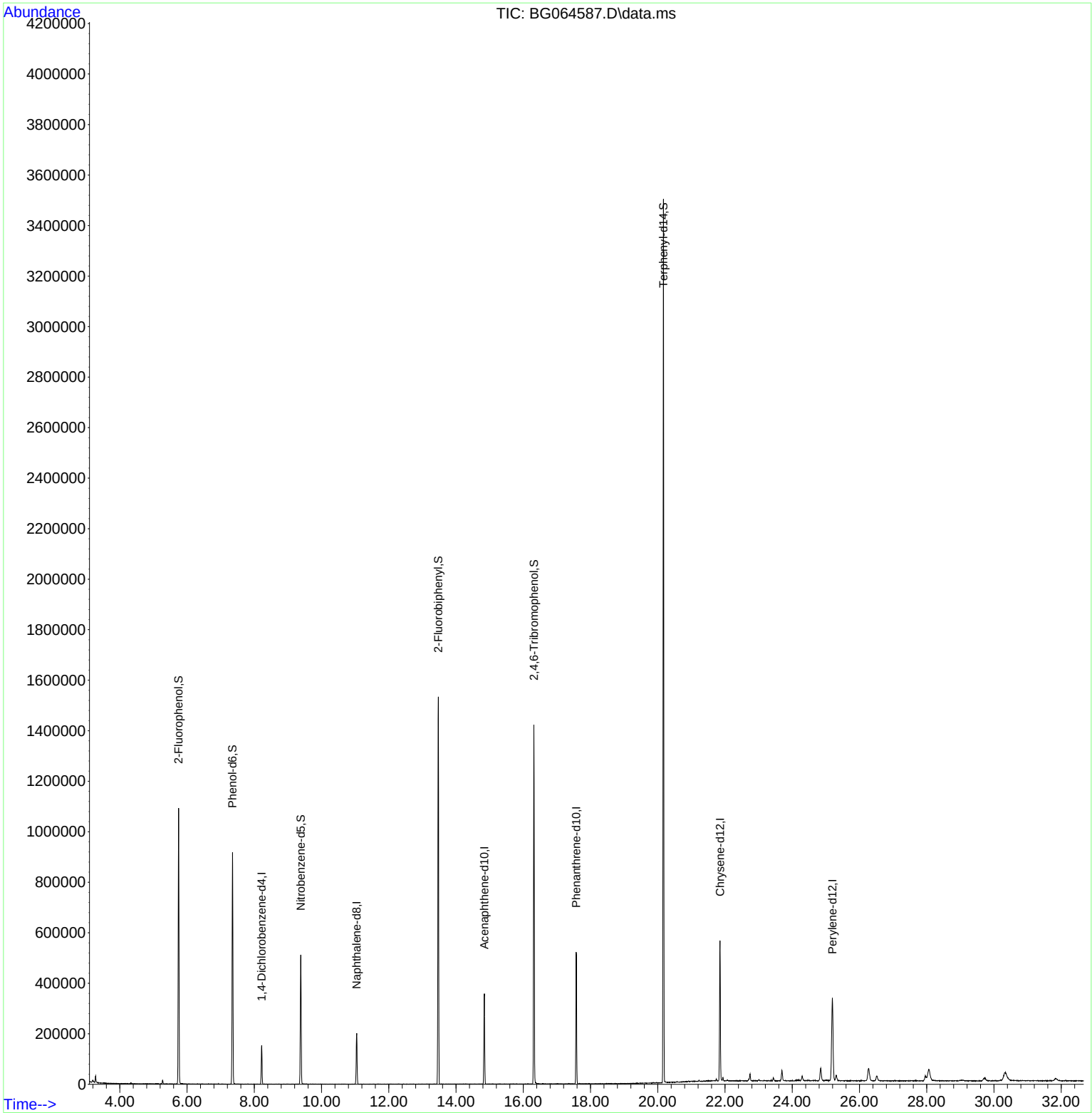
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	42400	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	160302	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	130540	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	336474	20.000	ng	0.00
76) Chrysene-d12	21.851	240	365644	20.000	ng	-0.01
86) Perylene-d12	25.194	264	385076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	416656	164.942	ng	0.00
7) Phenol-d6	7.351	99	488227	140.850	ng	0.00
23) Nitrobenzene-d5	9.384	82	279521	104.732	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	296769	157.514	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	794180	92.215	ng	0.00
79) Terphenyl-d14	20.171	244	1828173	94.356	ng	0.00
Target Compounds						Qvalue

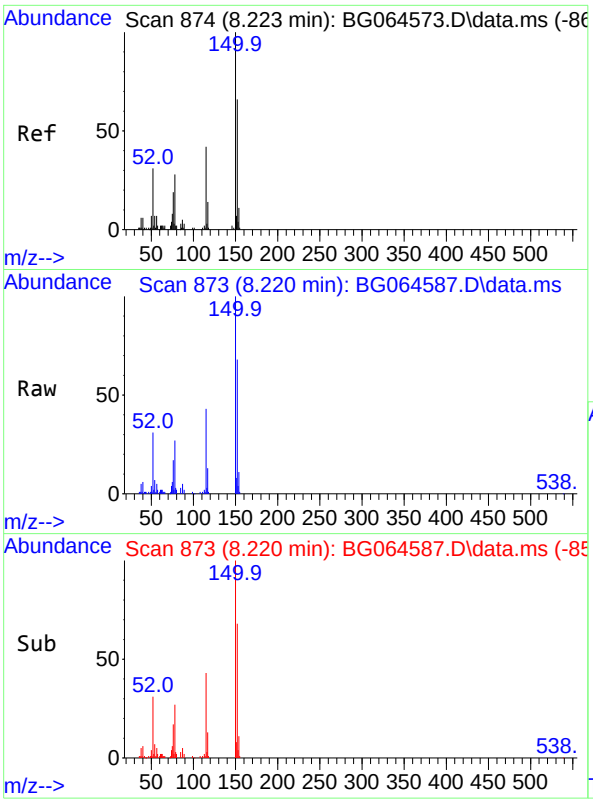
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Quant Time: Oct 27 15:18:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



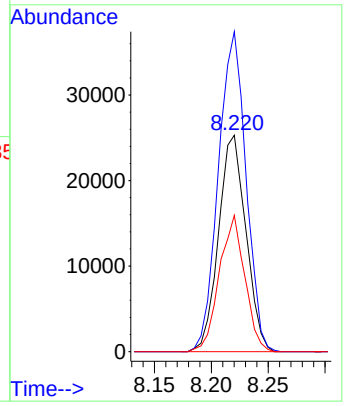


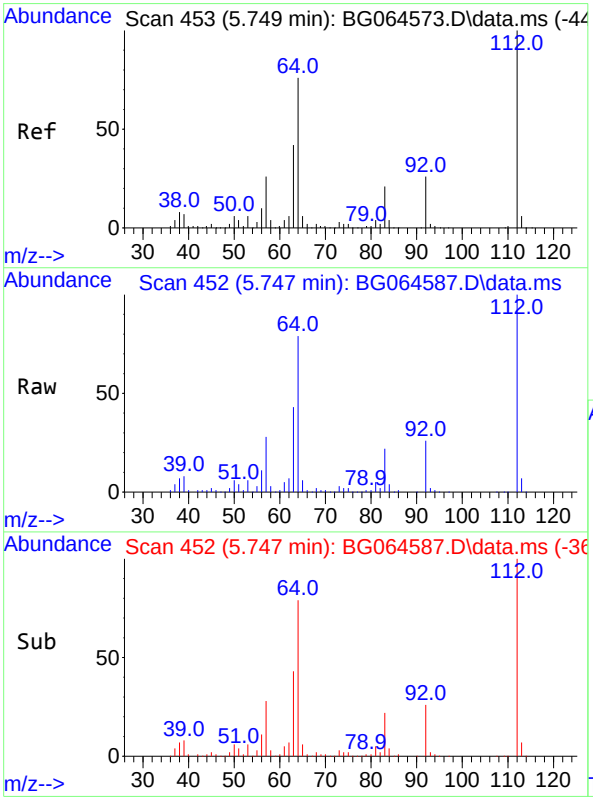
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion:152 Resp: 42400

Ion	Ratio	Lower	Upper
152	100		
150	147.8	122.2	183.4
115	63.0	50.8	76.2

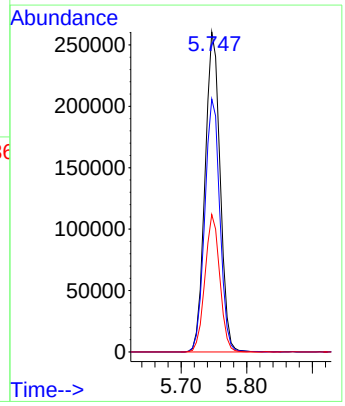


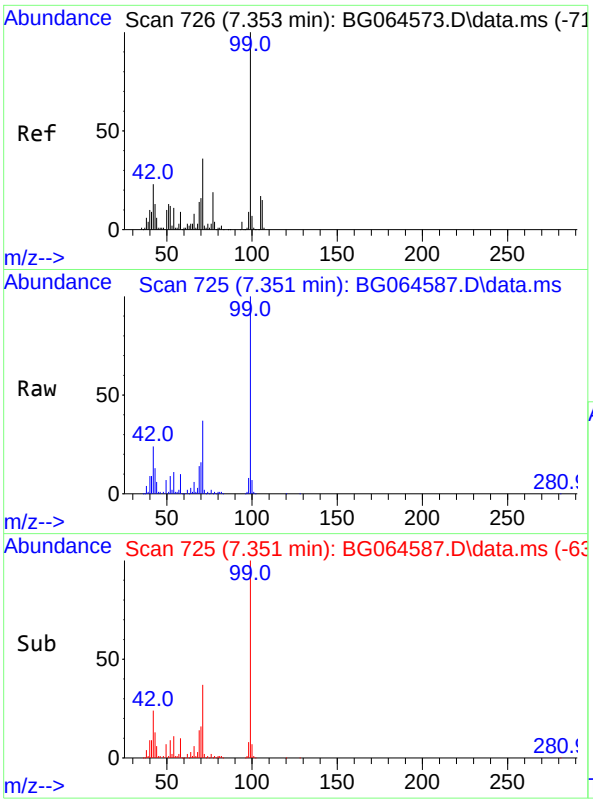


#5
2-Fluorophenol
Concen: 164.942 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:112 Resp: 416656

Ion	Ratio	Lower	Upper
112	100		
64	79.1	60.7	91.1
63	43.0	33.4	50.0



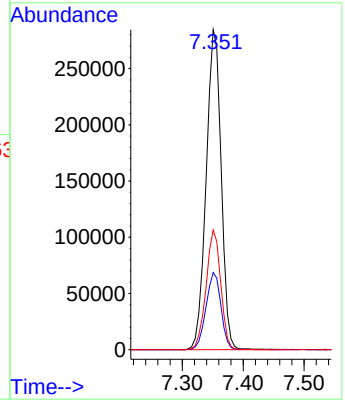


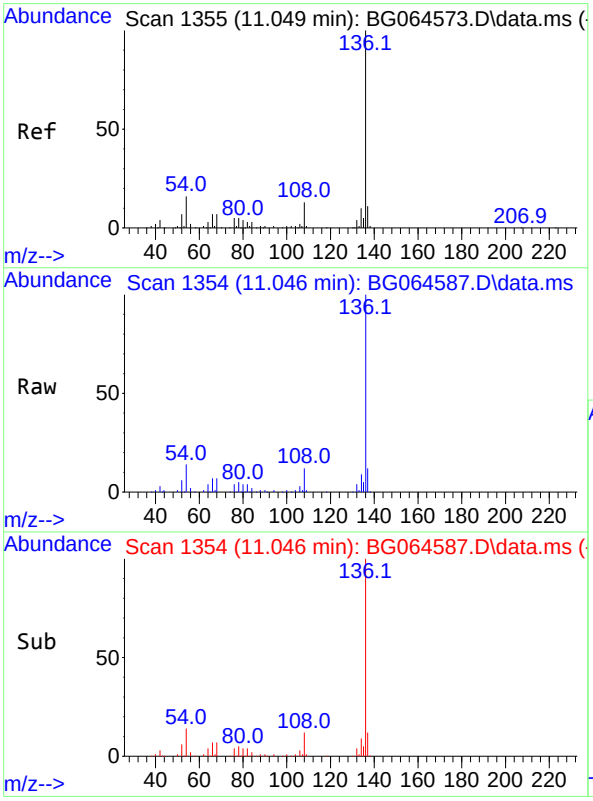
#7
Phenol-d6
Concen: 140.850 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion: 99 Resp: 488227

Ion	Ratio	Lower	Upper
99	100		
42	24.1	18.3	27.5
71	37.4	28.6	43.0

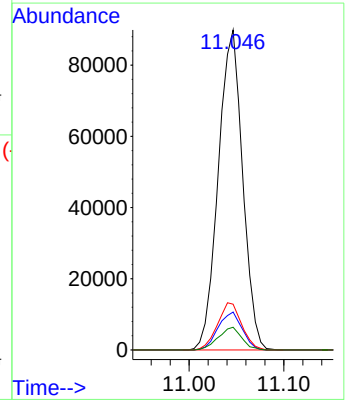


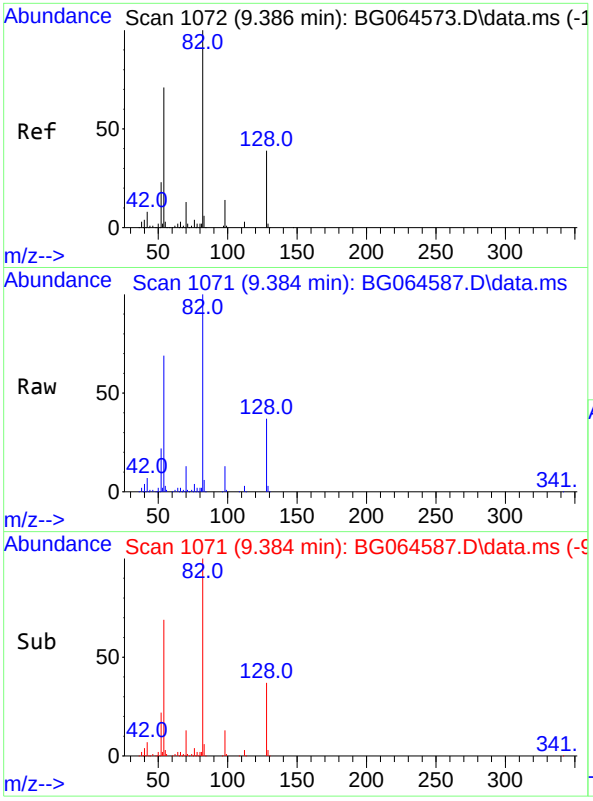


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:136 Resp: 160302

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	14.3	12.6	19.0
68	7.1	5.7	8.5



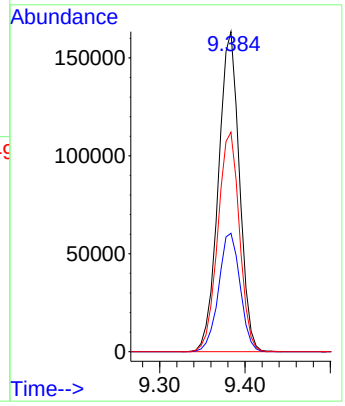


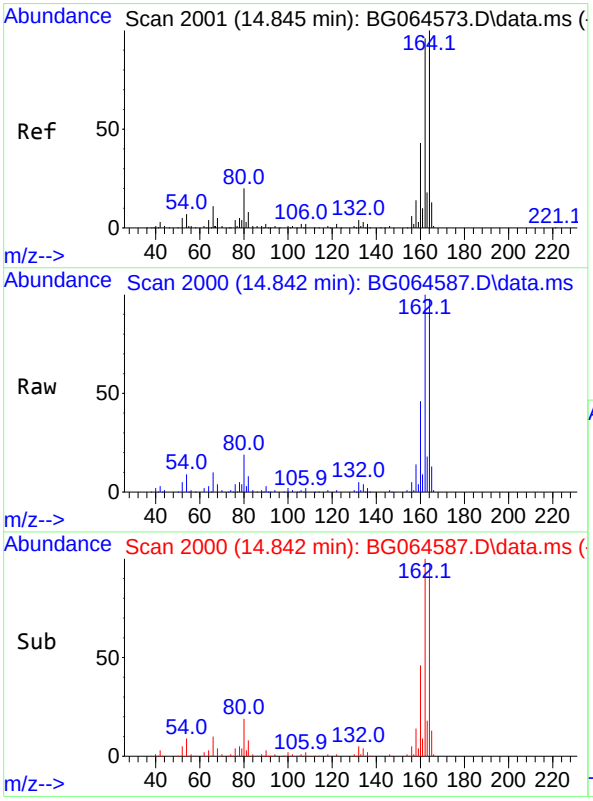
#23
Nitrobenzene-d5
Concen: 104.732 ng
RT: 9.384 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion: 82 Resp: 279521

Ion	Ratio	Lower	Upper
82	100		
128	37.0	31.3	46.9
54	68.6	56.6	84.8

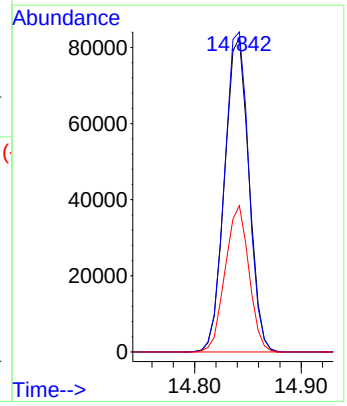


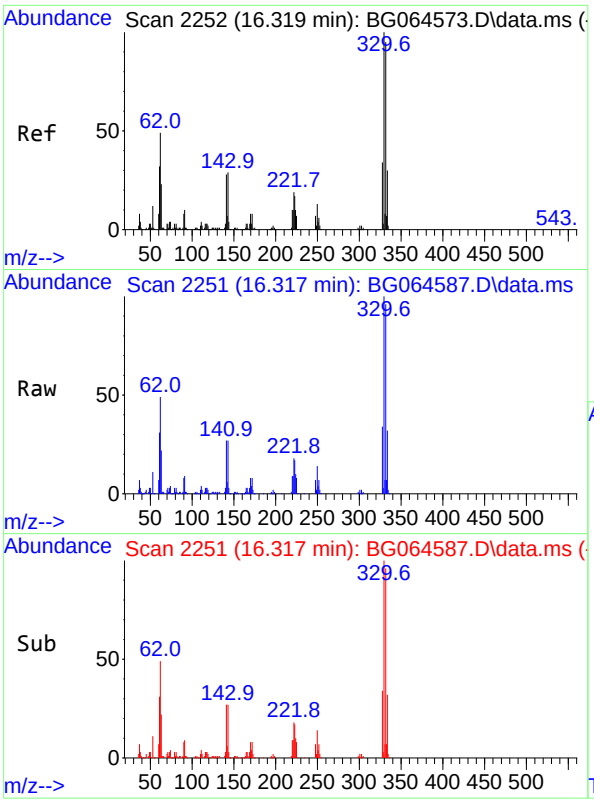


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:164 Resp: 130540

Ion	Ratio	Lower	Upper
164	100		
162	101.9	77.0	115.6
160	46.6	34.4	51.6



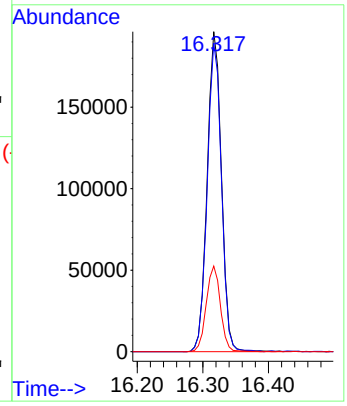


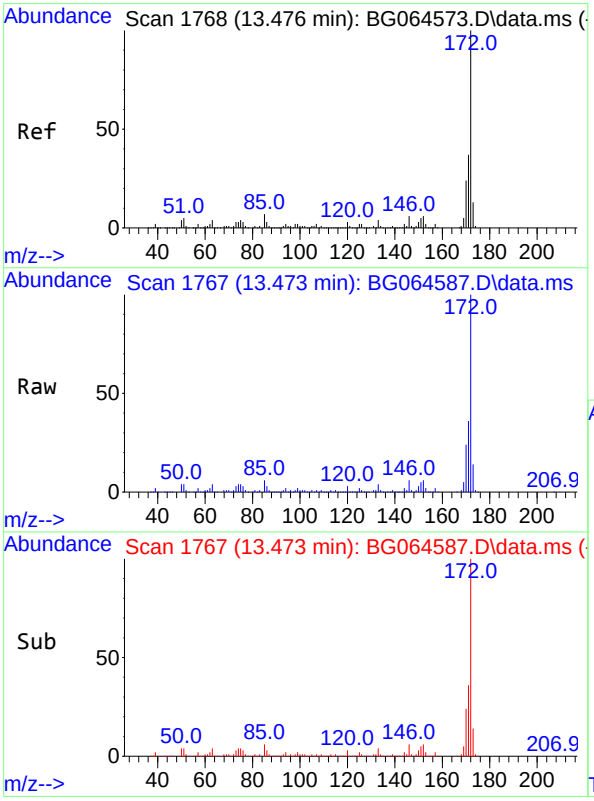
#42
2,4,6-Tribromophenol
Concen: 157.514 ng
RT: 16.317 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion:330 Resp: 296769

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	26.6	21.8	32.6

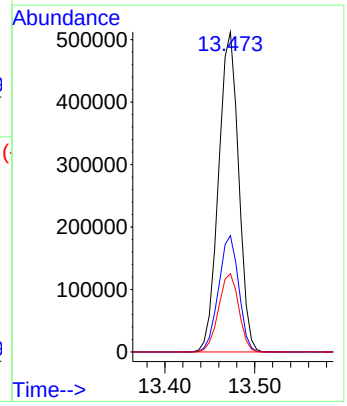


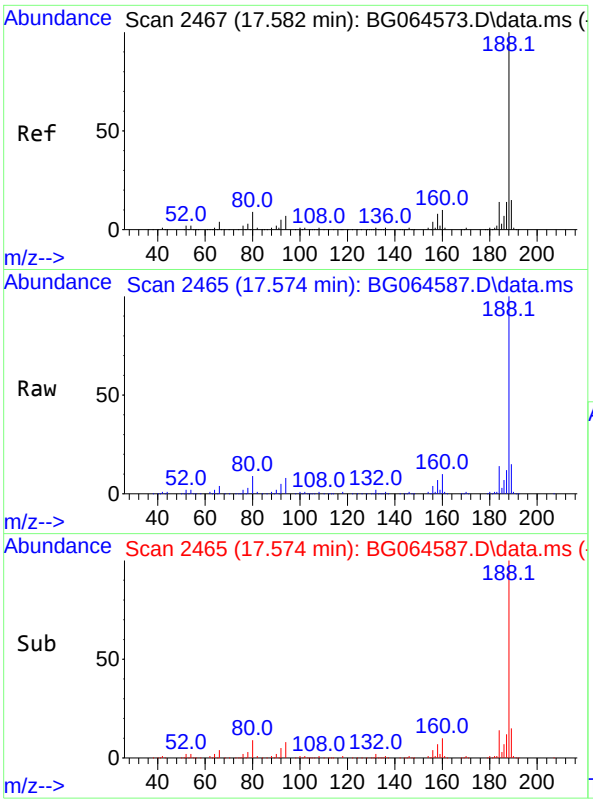


#45
2-Fluorobiphenyl
Concen: 92.215 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:172 Resp: 794180

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.4	19.1	28.7



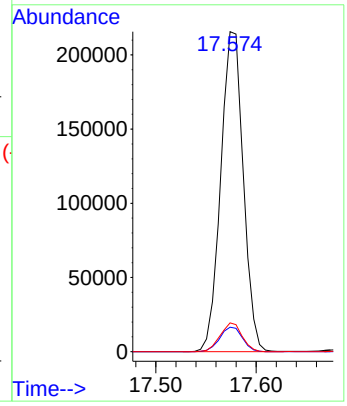


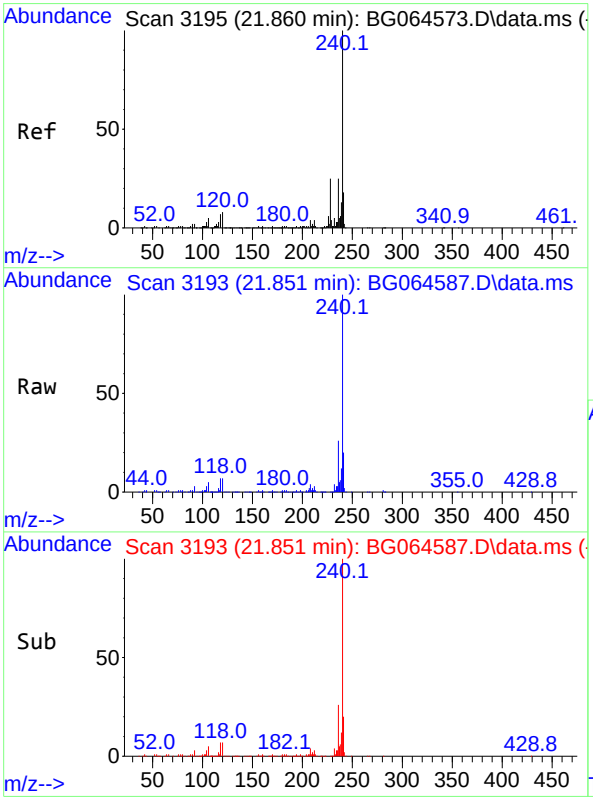
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion:188 Resp: 336474

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	9.0	6.8	10.2

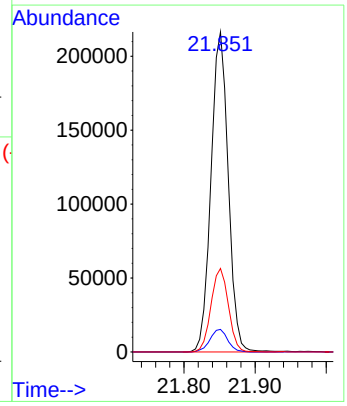


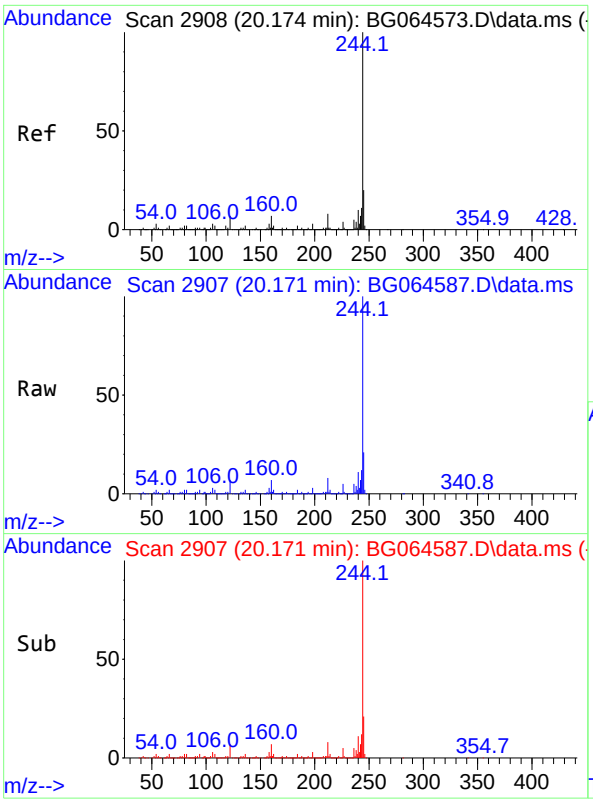


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:240 Resp: 365644

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	26.1	20.2	30.2



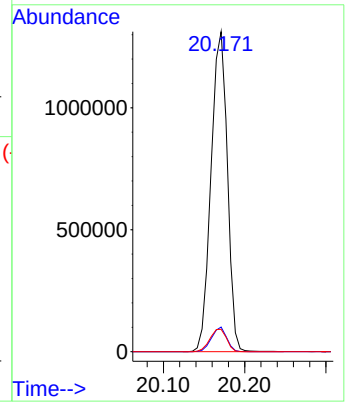


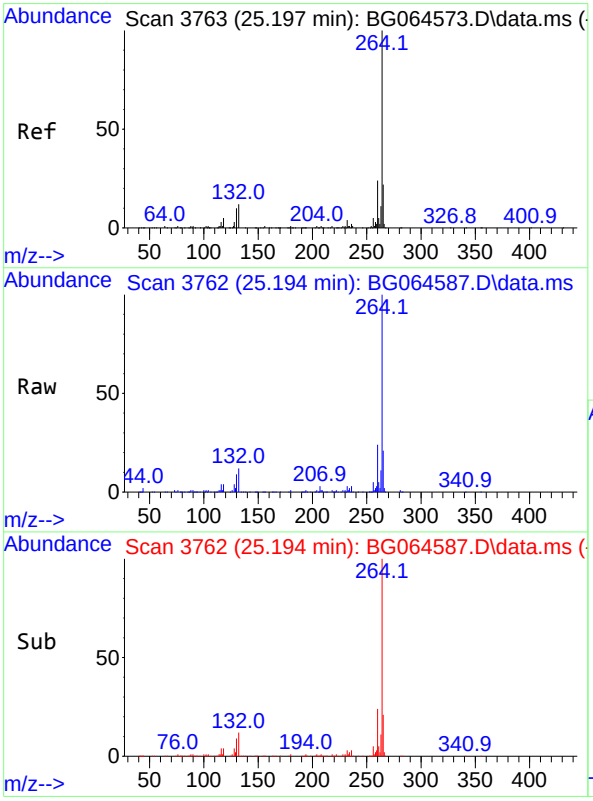
#79
Terphenyl-d14
Concen: 94.356 ng
RT: 20.171 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion:244 Resp: 1828173

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	7.0	5.6	8.4

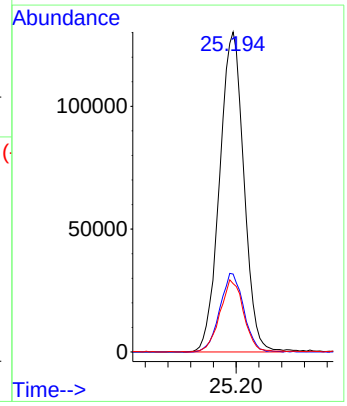




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:264 Resp: 385076

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170246BL

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

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

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

Signal : TIC: BG064587.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.747	445	452	462	rBV	1091986	1740834	36.42%	9.577%
2	7.351	716	725	734	rBV	917605	1591115	33.29%	8.753%
3	8.220	866	873	882	rBV	153710	257122	5.38%	1.414%
4	9.384	1061	1071	1083	rBV	512121	905686	18.95%	4.982%
5	11.046	1346	1354	1362	rVB	201292	359875	7.53%	1.980%
6	13.473	1758	1767	1774	rBV	1533719	2373773	49.66%	13.059%
7	14.842	1993	2000	2007	rVB	357540	565456	11.83%	3.111%
8	16.317	2244	2251	2265	rBV	1421837	2139132	44.75%	11.768%
9	17.574	2459	2465	2473	rBV	521061	807995	16.90%	4.445%
10	20.171	2900	2907	2913	rBV	3498601	4779783	100.00%	26.295%
11	21.851	3185	3193	3203	rBV2	555860	945093	19.77%	5.199%
12	23.690	3500	3506	3519	rVB4	41459	90085	1.88%	0.496%
13	24.848	3694	3703	3713	rVB5	49112	133780	2.80%	0.736%
14	25.194	3750	3762	3774	rBV	326197	943085	19.73%	5.188%
15	25.306	3774	3781	3789	rVB3	21960	58705	1.23%	0.323%
16	26.276	3935	3946	3959	rVB5	48563	180571	3.78%	0.993%
17	26.511	3981	3986	3997	rVB4	17983	52945	1.11%	0.291%
18	27.962	4222	4233	4235	rBV3	21322	48555	1.02%	0.267%
19	28.062	4240	4250	4265	rVB9	42916	204243	4.27%	1.124%

Sum of corrected areas: 18177833

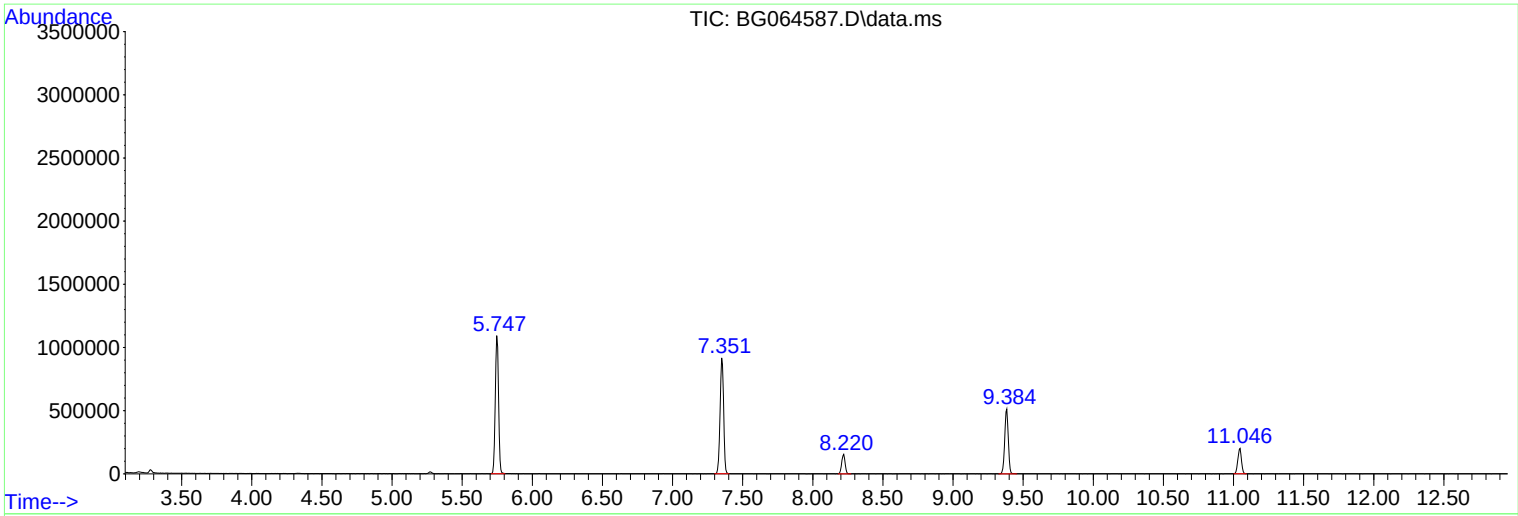
Sample Results: **BG064587.D**

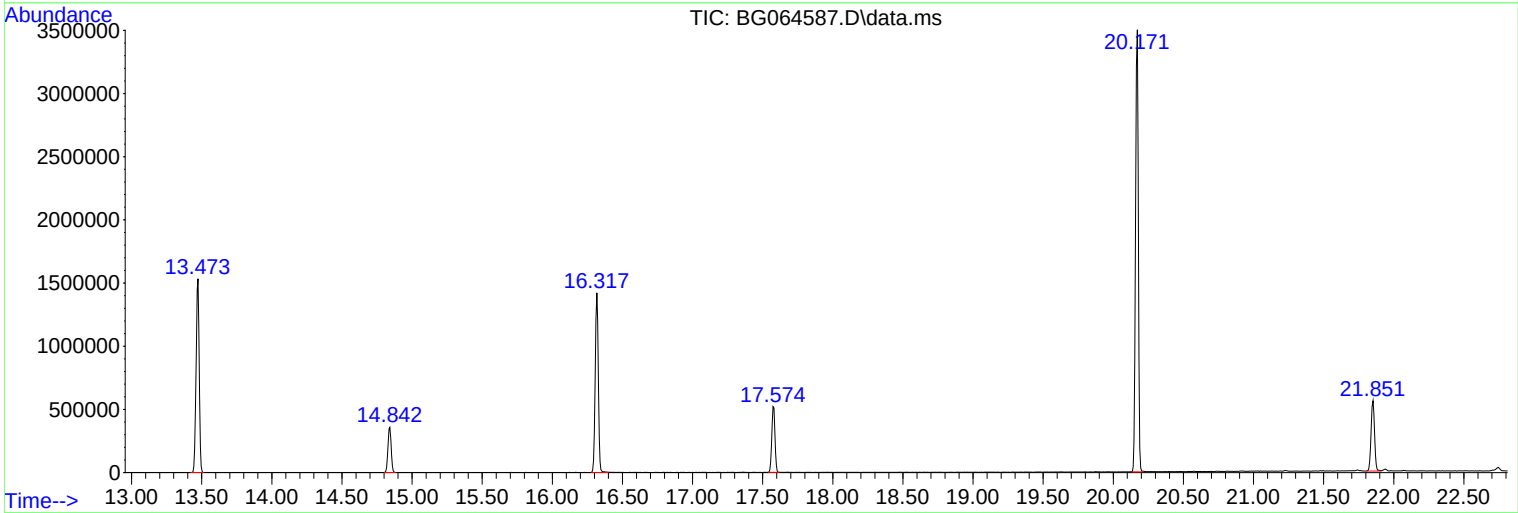
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

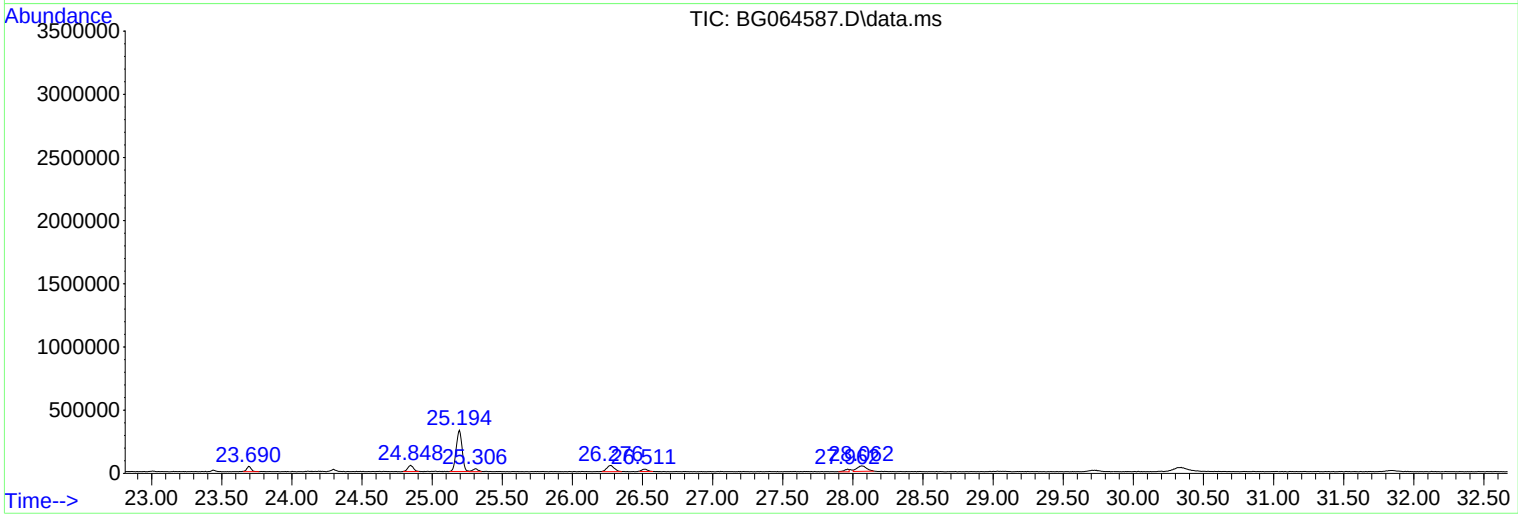
Instrument :
BNA_G
ClientSampleId :
PB170246BL

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170246BL

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

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064587.D
Acq On : 27 Oct 2025 14:41
Operator : RC/JU
Sample : PB170246BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170246BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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 905			Date Received:	
Client Sample ID:	PB170246BS			SDG No.:	Q3447
Lab Sample ID:	PB170246BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/27/25 15:22	PB170246
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/27/25 15:22	PB170246
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/27/25 15:22	PB170246
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/27/25 15:22	PB170246
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/27/25 15:22	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	1200		1	37.5	170	ug/Kg	10/27/25 15:22	PB170246
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/27/25 15:22	PB170246
65794-96-9	3+4-Methylphenols	1300		1	41.1	330	ug/Kg	10/27/25 15:22	PB170246
621-64-7	n-Nitroso-di-n-propylamine	1200		1	47.4	79.9	ug/Kg	10/27/25 15:22	PB170246
67-72-1	Hexachloroethane	1200		1	17.6	170	ug/Kg	10/27/25 15:22	PB170246
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/27/25 15:22	PB170246
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/27/25 15:22	PB170246
88-75-5	2-Nitrophenol	1400		1	58.1	170	ug/Kg	10/27/25 15:22	PB170246
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/27/25 15:22	PB170246
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/27/25 15:22	PB170246
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/27/25 15:22	PB170246
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/27/25 15:22	PB170246
106-47-8	4-Chloroaniline	750		1	35.4	170	ug/Kg	10/27/25 15:22	PB170246
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/27/25 15:22	PB170246
105-60-2	Caprolactam	1400		1	52.0	330	ug/Kg	10/27/25 15:22	PB170246
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/27/25 15:22	PB170246
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/27/25 15:22	PB170246
77-47-4	Hexachlorocyclopentadiene	3900	E	1	120	330	ug/Kg	10/27/25 15:22	PB170246
88-06-2	2,4,6-Trichlorophenol	1600		1	19.8	170	ug/Kg	10/27/25 15:22	PB170246
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/27/25 15:22	PB170246
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/27/25 15:22	PB170246
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/27/25 15:22	PB170246
88-74-4	2-Nitroaniline	1400		1	48.1	170	ug/Kg	10/27/25 15:22	PB170246
131-11-3	Dimethylphthalate	1400		1	27.1	170	ug/Kg	10/27/25 15:22	PB170246
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/27/25 15:22	PB170246
606-20-2	2,6-Dinitrotoluene	1500		1	33.6	170	ug/Kg	10/27/25 15:22	PB170246
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/27/25 15:22	PB170246
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/27/25 15:22	PB170246
51-28-5	2,4-Dinitrophenol	2800	E	1	230	330	ug/Kg	10/27/25 15:22	PB170246
100-02-7	4-Nitrophenol	3000	E	1	110	330	ug/Kg	10/27/25 15:22	PB170246
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/27/25 15:22	PB170246
121-14-2	2,4-Dinitrotoluene	1500		1	50.0	170	ug/Kg	10/27/25 15:22	PB170246
84-66-2	Diethylphthalate	1400		1	28.3	170	ug/Kg	10/27/25 15:22	PB170246
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/27/25 15:22	PB170246
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/27/25 15:22	PB170246
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/27/25 15:22	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	330	ug/Kg	10/27/25 15:22	PB170246

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 905			Date Received:	
Client Sample ID:	PB170246BS			SDG No.:	Q3447
Lab Sample ID:	PB170246BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/27/25 15:22	PB170246
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/27/25 15:22	PB170246
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/27/25 15:22	PB170246
1912-24-9	Atrazine	1500		1	34.0	170	ug/Kg	10/27/25 15:22	PB170246
87-86-5	Pentachlorophenol	3100	E	1	51.2	330	ug/Kg	10/27/25 15:22	PB170246
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/27/25 15:22	PB170246
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/27/25 15:22	PB170246
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	10/27/25 15:22	PB170246
84-74-2	Di-n-butylphthalate	1400		1	47.9	170	ug/Kg	10/27/25 15:22	PB170246
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	10/27/25 15:22	PB170246
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/27/25 15:22	PB170246
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/27/25 15:22	PB170246
91-94-1	3,3-Dichlorobenzidine	990		1	36.7	330	ug/Kg	10/27/25 15:22	PB170246
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/27/25 15:22	PB170246
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/27/25 15:22	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.1	170	ug/Kg	10/27/25 15:22	PB170246
117-84-0	Di-n-octyl phthalate	1500		1	86.7	330	ug/Kg	10/27/25 15:22	PB170246
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/27/25 15:22	PB170246
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/27/25 15:22	PB170246
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/27/25 15:22	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/27/25 15:22	PB170246
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/27/25 15:22	PB170246
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/27/25 15:22	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/27/25 15:22	PB170246
123-91-1	1,4-Dioxane	1200		1	45.2	170	ug/Kg	10/27/25 15:22	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	1700		1	27.4	170	ug/Kg	10/27/25 15:22	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	130			18 - 112	87%	SPK: 150		
13127-88-3	Phenol-d6	130			15 - 107	87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	87.7			18 - 107	88%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.1			20 - 109	82%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	133			10 - 116	88%	SPK: 150		
1718-51-0	Terphenyl-d14	83.1			10 - 105	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	43800							
1146-65-2	Naphthalene-d8	155000							
15067-26-2	Acenaphthene-d10	122000							
1517-22-2	Phenanthrene-d10	292000							
1719-03-5	Chrysene-d12	316000							
1520-96-3	Perylene-d12	331000							

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB170246BS			SDG No.:	Q3447
Lab Sample ID:	PB170246BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064588.D
Acq On : 27 Oct 2025 15:22
Operator : RC/JU
Sample : PB170246BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 01:21:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	43765	20.000	ng		0.00
21) Naphthalene-d8	11.047	136	155179	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	121982	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	291715	20.000	ng		0.00
76) Chrysene-d12	21.858	240	316000	20.000	ng		0.00
86) Perylene-d12	25.195	264	331099	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	339414	130.174	ng		0.00
7) Phenol-d6	7.357	99	464597	129.852	ng		0.00
23) Nitrobenzene-d5	9.384	82	226637	87.721	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	233447	132.598	ng		0.00
45) 2-Fluorobiphenyl	13.473	172	660996	82.135	ng		0.00
79) Terphenyl-d14	20.171	244	1392012	83.132	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.579	88	40064	34.707	ng		97
3) Pyridine	3.990	79	113170	32.646	ng		96
4) n-Nitrosodimethylamine	3.896	42	76415	41.105	ng		86
6) Aniline	7.527	93	157061	32.260	ng		99
8) 2-Chlorophenol	7.774	128	127438	46.695	ng		100
9) Benzaldehyde	7.339	77	64733	33.140	ng		99
10) Phenol	7.380	94	182959	46.239	ng		96
11) bis(2-Chloroethyl)ether	7.621	93	119316	41.014	ng		97
12) 1,3-Dichlorobenzene	8.109	146	132724	42.253	ng		95
13) 1,4-Dichlorobenzene	8.256	146	136873	42.854	ng		94
14) 1,2-Dichlorobenzene	8.579	146	131264	42.609	ng		99
15) Benzyl Alcohol	8.450	79	130279	44.156	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	273402	35.828	ng		99
17) 2-Methylphenol	8.649	107	121442	46.226	ng		97
18) Hexachloroethane	9.319	117	40484	36.119	ng		96
19) n-Nitroso-di-n-propyla...	9.025	70	91867	37.153	ng		96
20) 3+4-Methylphenols	8.979	107	144651	39.152	ng		97
22) Acetophenone	9.043	105	199016	46.916	ng		94
24) Nitrobenzene	9.425	77	128168	45.610	ng		98
25) Isophorone	9.954	82	263683	42.533	ng		99
26) 2-Nitrophenol	10.142	139	43454	40.595	ng	#	88
27) 2,4-Dimethylphenol	10.195	122	120680	52.332	ng		98
28) bis(2-Chloroethoxy)met...	10.436	93	152570	43.223	ng		99
29) 2,4-Dichlorophenol	10.677	162	118186	47.622	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	127388	45.177	ng		96
31) Naphthalene	11.100	128	361240	41.987	ng		99
32) Benzoic acid	10.318	122	77183	44.434	ng		93
33) 4-Chloroaniline	11.188	127	75318	22.523	ng		97
34) Hexachlorobutadiene	11.387	225	92515	41.953	ng		99
35) Caprolactam	11.946	113	39145m	41.125	ng		
36) 4-Chloro-3-methylphenol	12.292	107	138701	46.495	ng		97
37) 2-Methylnaphthalene	12.686	142	242431	38.379	ng		98
38) 1-Methylnaphthalene	12.903	142	257957	41.251	ng		99
40) 1,2,4,5-Tetrachloroben...	13.050	216	194204	47.439	ng		99
41) Hexachlorocyclopentadiene	13.038	237	213234	115.722	ng		96
43) 2,4,6-Trichlorophenol	13.279	196	114602	48.940	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064588.D
Acq On : 27 Oct 2025 15:22
Operator : RC/JU
Sample : PB170246BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 01:21:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	127891	47.327	ng		98
46) 1,1'-Biphenyl	13.685	154	422117	48.675	ng		96
47) 2-Chloronaphthalene	13.726	162	283699	43.340	ng		99
48) 2-Nitroaniline	13.908	65	92141	42.337	ng		97
49) Acenaphthylene	14.566	152	515217	49.899	ng		98
50) Dimethylphthalate	14.290	163	405346	43.427	ng		100
51) 2,6-Dinitrotoluene	14.402	165	70886	46.157	ng		95
52) Acenaphthene	14.907	154	322385	45.701	ng		99
53) 3-Nitroaniline	14.725	138	55435	34.558	ng		90
54) 2,4-Dinitrophenol	14.930	184	78763	83.109	ng	#	37
55) Dibenzofuran	15.236	168	498315	43.694	ng		99
56) 4-Nitrophenol	15.018	139	135394	91.038	ng		94
57) 2,4-Dinitrotoluene	15.183	165	104776	44.254	ng		95
58) Fluorene	15.882	166	390553	43.850	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.453	232	132211	51.164	ng		99
60) Diethylphthalate	15.647	149	405303	42.527	ng		98
61) 4-Chlorophenyl-phenyle...	15.876	204	217094	43.433	ng		100
62) 4-Nitroaniline	15.882	138	79004	44.270	ng		98
63) Azobenzene	16.164	77	388897	44.473	ng		99
65) 4,6-Dinitro-2-methylph...	15.947	198	55125	43.516	ng		97
66) n-Nitrosodiphenylamine	16.082	169	358361	45.477	ng		99
67) 4-Bromophenyl-phenylether	16.763	248	155148	44.880	ng		98
68) Hexachlorobenzene	16.887	284	177105	44.907	ng		95
69) Atrazine	17.022	200	149307	44.030	ng		97
70) Pentachlorophenol	17.222	266	225283	91.605	ng		88
71) Phenanthrene	17.621	178	700369	43.903	ng		100
72) Anthracene	17.715	178	716646	44.162	ng		99
73) Carbazole	17.968	167	622547	43.505	ng		99
74) Di-n-butylphthalate	18.532	149	699059	42.246	ng		99
75) Fluoranthene	19.613	202	853488	42.707	ng		99
77) Benzidine	19.778	184	238194	33.645	ng		99
78) Pyrene	19.977	202	891319	43.172	ng		99
80) Butylbenzylphthalate	20.853	149	293608	47.053	ng		98
81) Benzo(a)anthracene	21.834	228	919080	43.865	ng		99
82) 3,3'-Dichlorobenzidine	21.734	252	208055	29.736	ng		98
83) Chrysene	21.905	228	863113	43.293	ng		99
84) Bis(2-ethylhexyl)phtha...	21.746	149	429718	46.088	ng		100
85) Di-n-octyl phthalate	23.009	149	716449	45.576	ng		99
87) Indeno(1,2,3-cd)pyrene	29.037	276	1105202	45.376	ng		98
88) Benzo(b)fluoranthene	24.137	252	926358	45.627	ng		98
89) Benzo(k)fluoranthene	24.208	252	925931	45.574	ng		98
90) Benzo(a)pyrene	25.042	252	878664	47.081	ng		98
91) Dibenzo(a,h)anthracene	29.108	278	908444	45.909	ng		98
92) Benzo(g,h,i)perylene	30.236	276	883313	46.729	ng		99

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

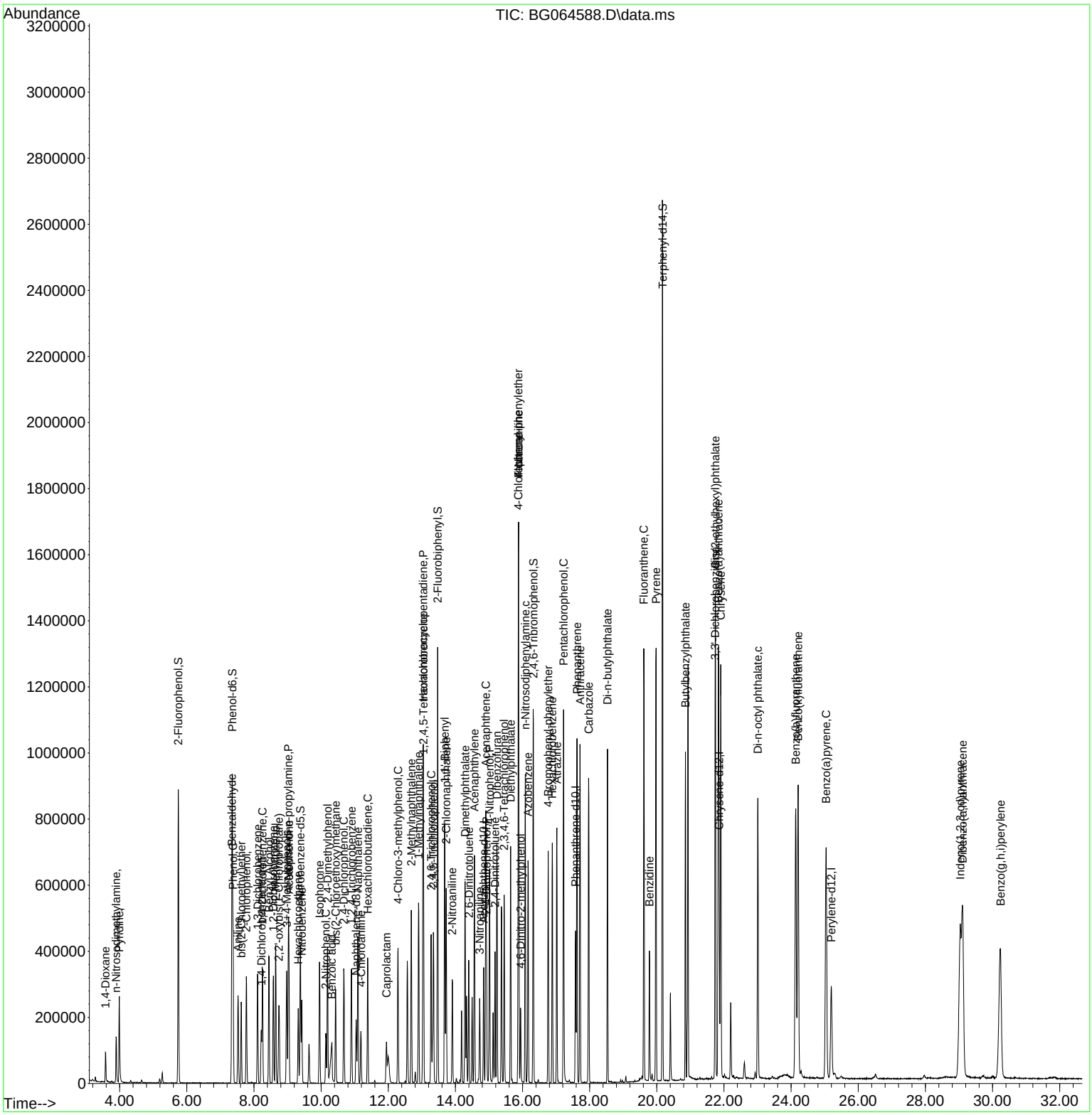
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064588.D
Acq On : 27 Oct 2025 15:22
Operator : RC/JU
Sample : PB170246BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

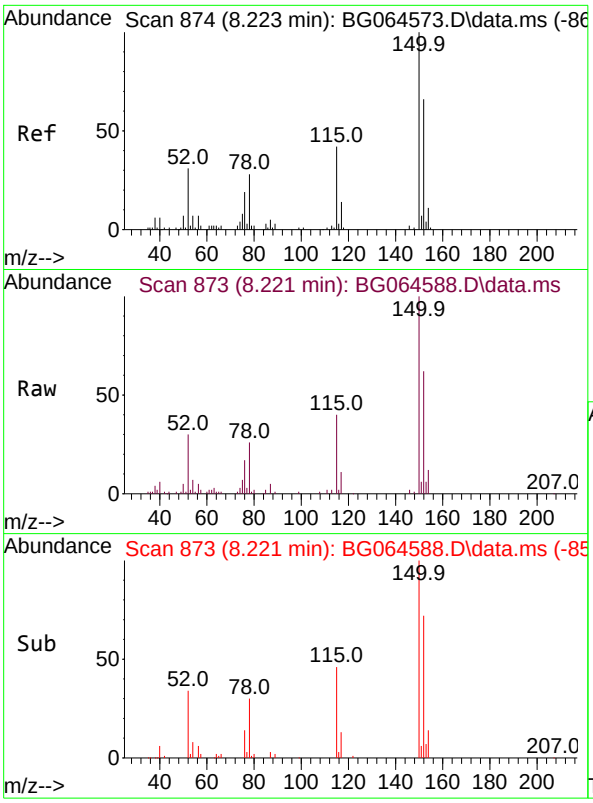
Quant Time: Nov 04 01:21:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

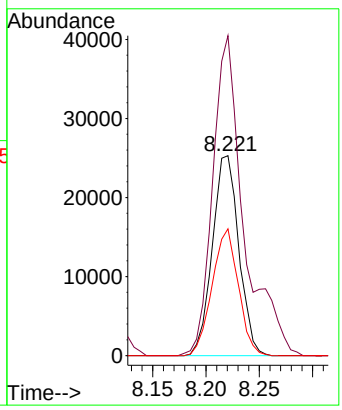




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:152 Resp: 4376

Ion	Ratio	Lower	Upper
152	100		
150	160.1	122.2	183.4
115	63.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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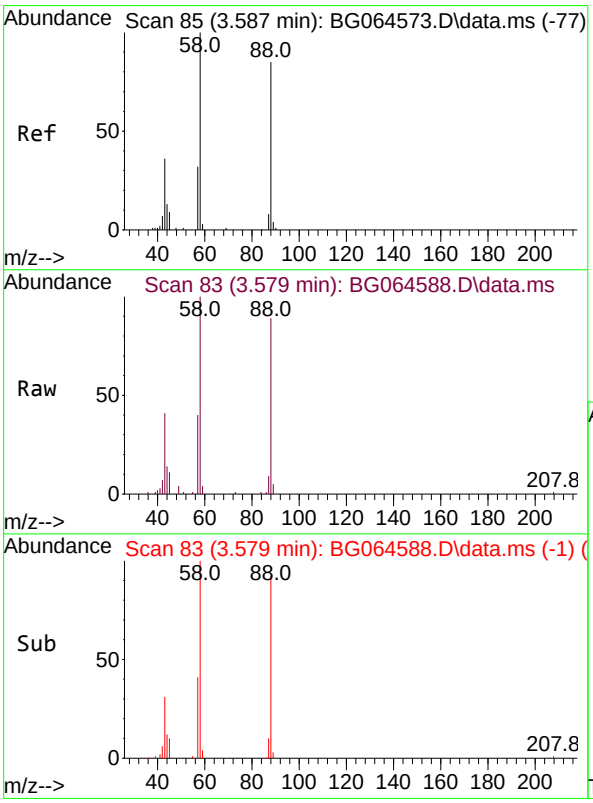
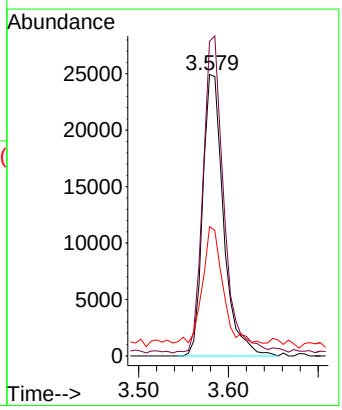
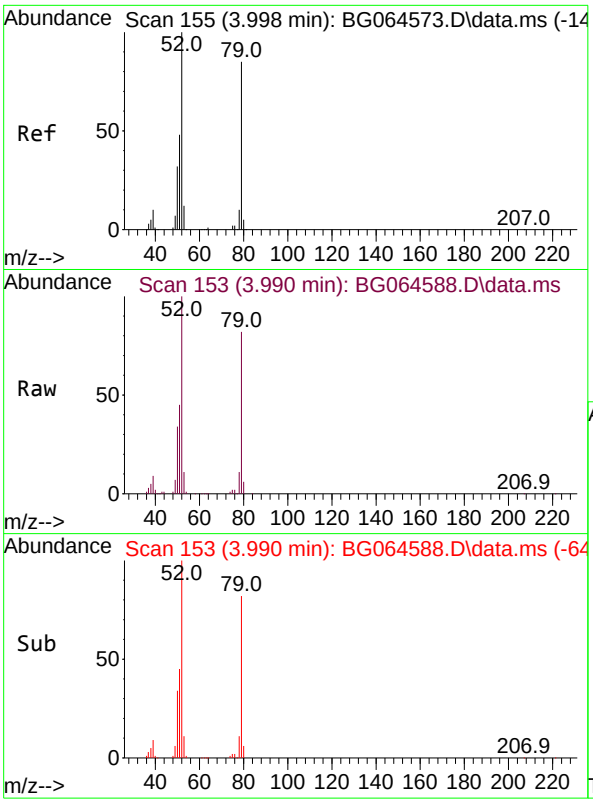


#2
1,4-Dioxane
Concen: 34.707 ng
RT: 3.579 min Scan# 83
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 88 Resp: 40064

Ion	Ratio	Lower	Upper
88	100		
58	113.3	92.4	138.6
43	45.3	33.0	49.6

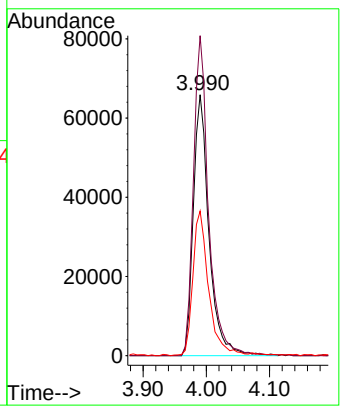




#3
Pyridine
Concen: 32.646 ng
RT: 3.990 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 79 Resp: 11317

Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	55.4	46.1	69.1



Instrument :
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ClientSampleId :
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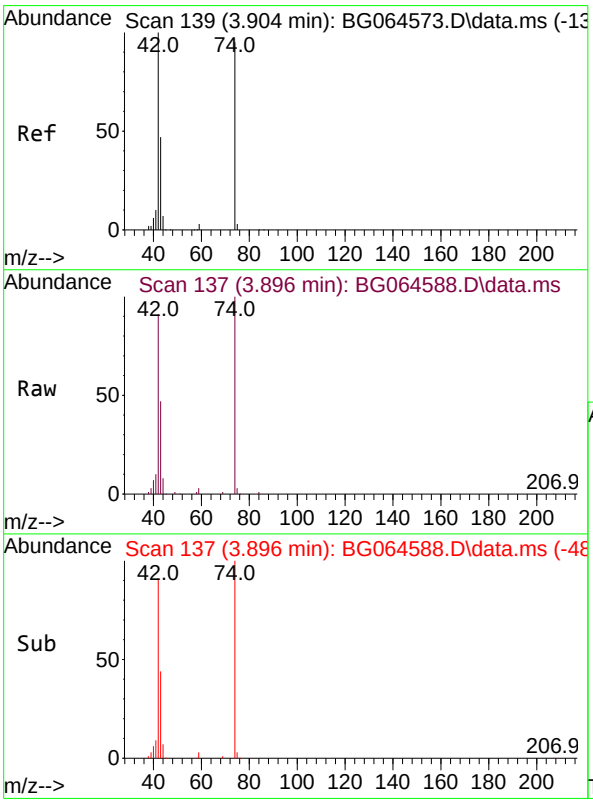
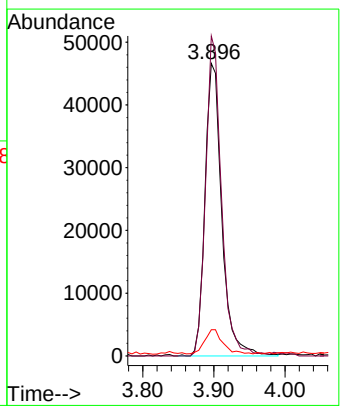
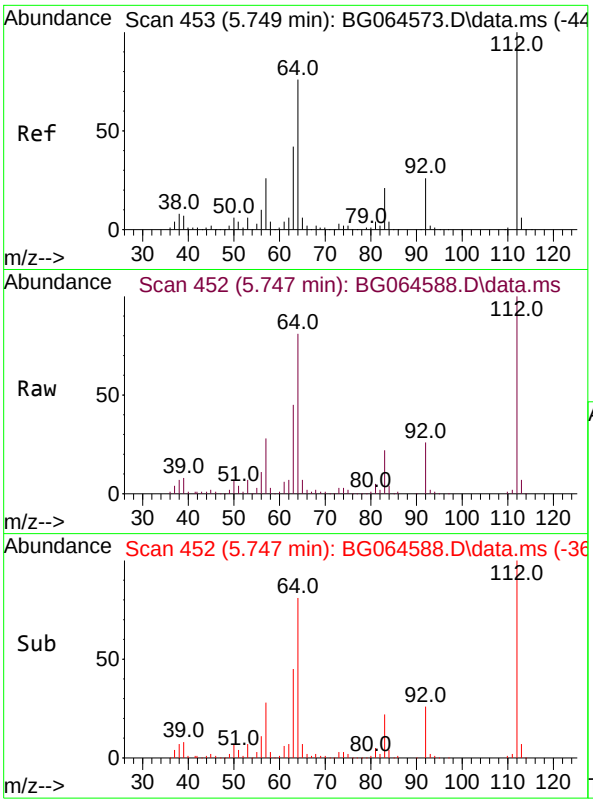


#4
n-Nitrosodimethylamine
Concen: 41.105 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 42 Resp: 76415

Ion	Ratio	Lower	Upper
42	100		
74	109.5	76.1	114.1
44	9.0	6.3	9.5

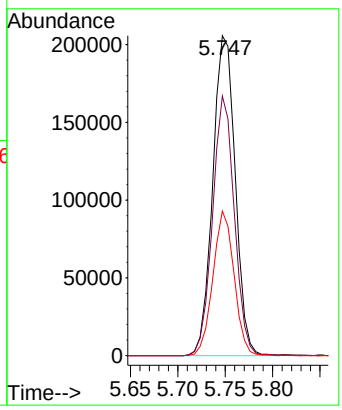




#5
2-Fluorophenol
Concen: 130.174 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:112 Resp: 33941

Ion	Ratio	Lower	Upper
112	100		
64	81.1	60.7	91.1
63	45.2	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
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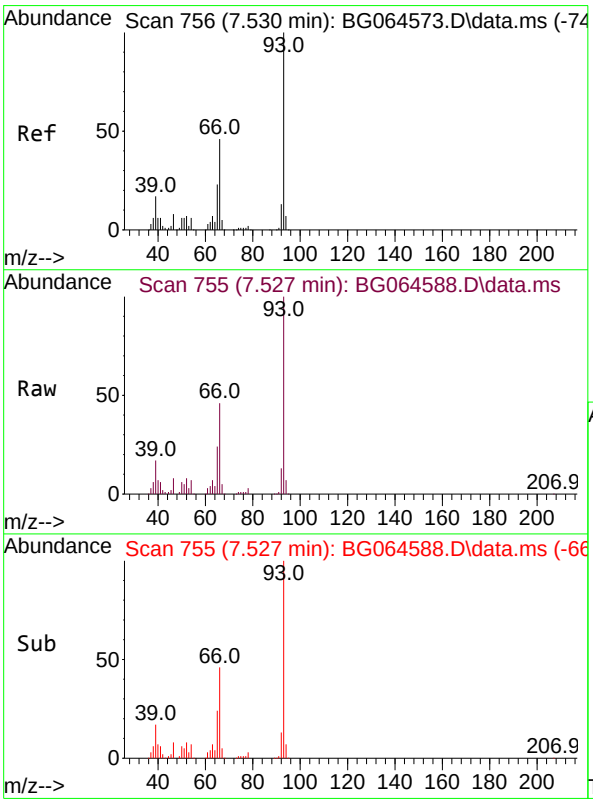
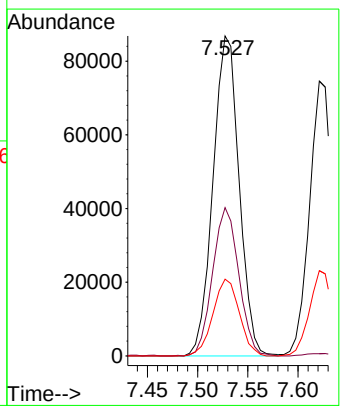
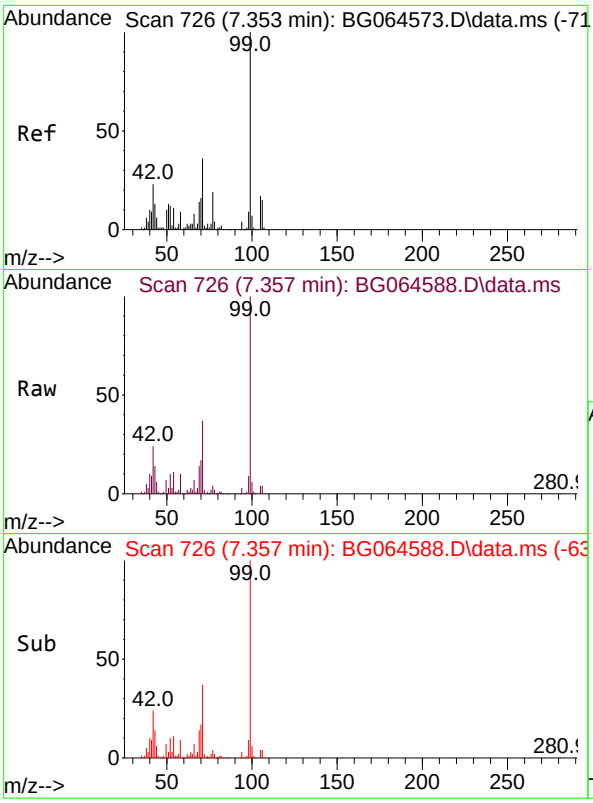


#6
Aniline
Concen: 32.260 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 93 Resp: 157061

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.0	55.6
65	24.0	18.3	27.5

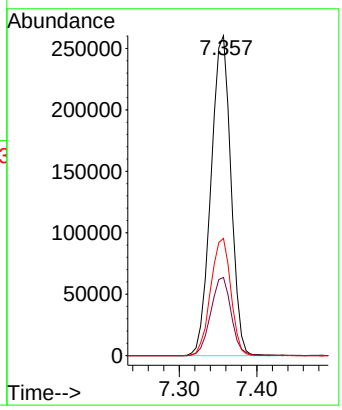




#7
Phenol-d6
Concen: 129.852 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 99 Resp: 46459

Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.6	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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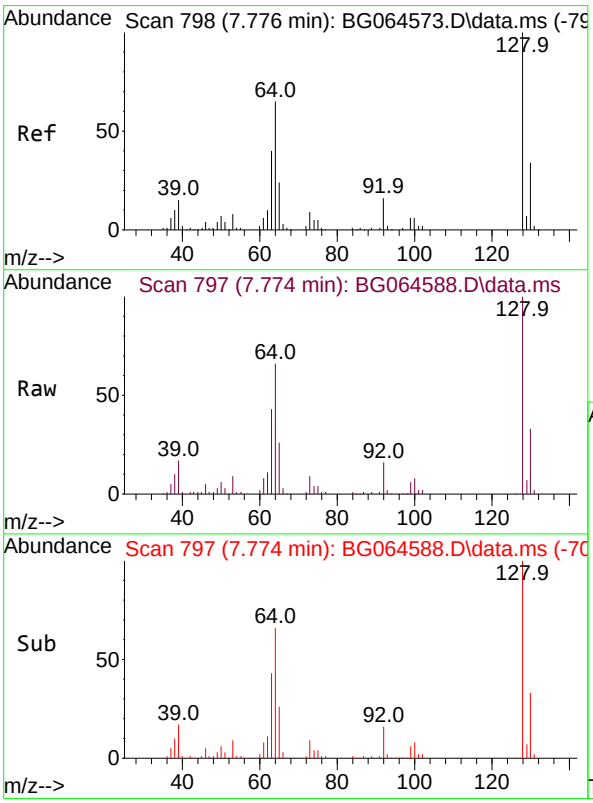
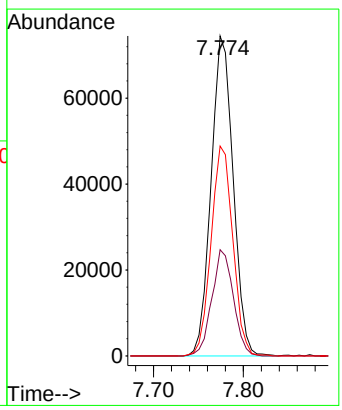
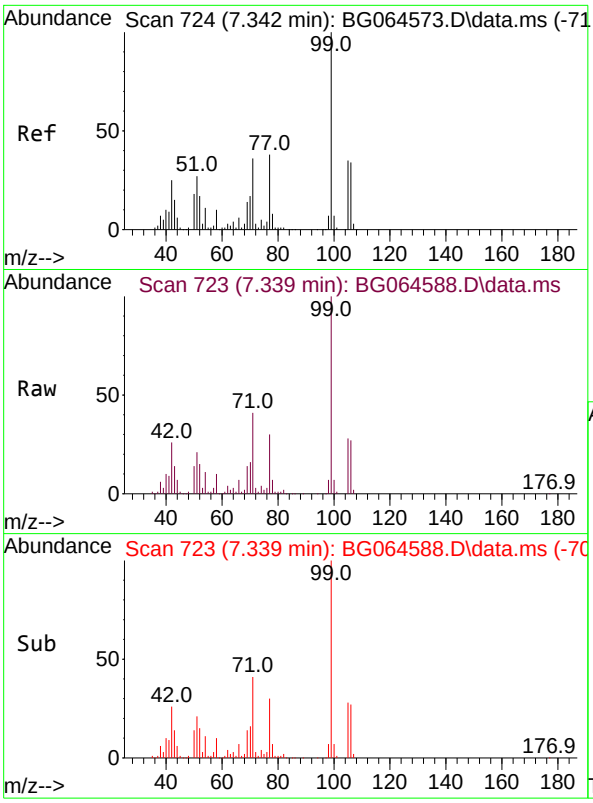


#8
2-Chlorophenol
Concen: 46.695 ng
RT: 7.774 min Scan# 797
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:128 Resp: 127438

Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.5	53.5
64	65.6	45.2	85.2

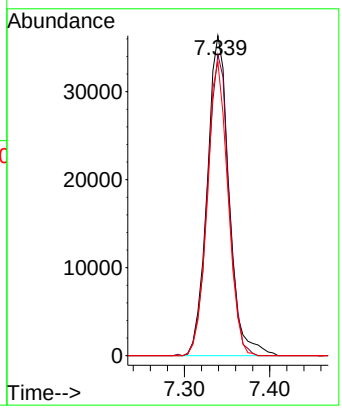




#9
Benzaldehyde
Concen: 33.140 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 77 Resp: 6473

Ion	Ratio	Lower	Upper
77	100		
105	94.0	72.9	112.9
106	91.7	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
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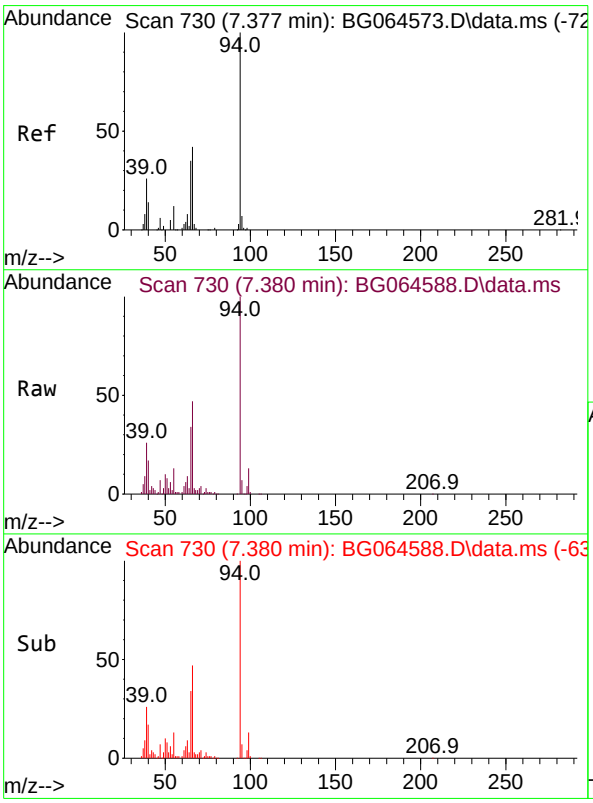
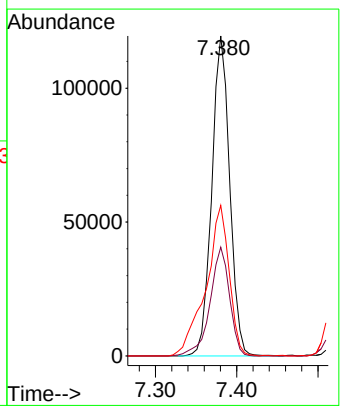
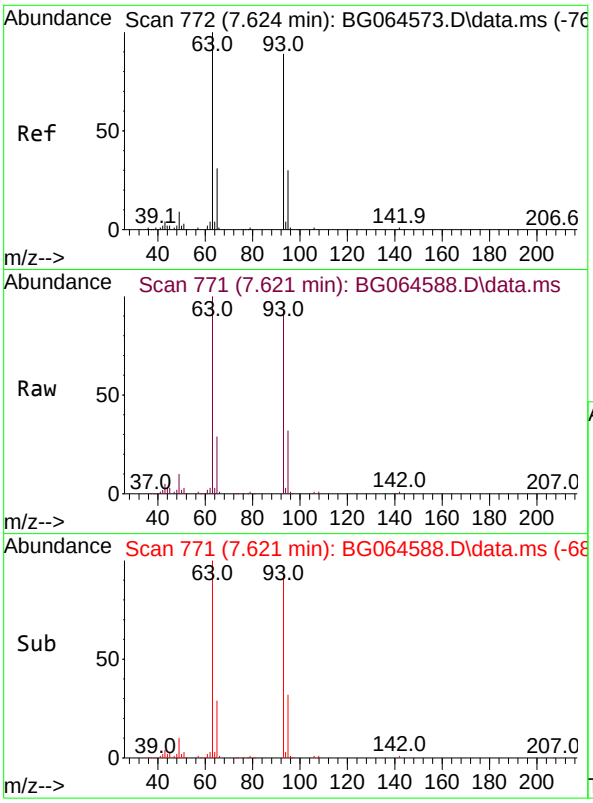


#10
Phenol
Concen: 46.239 ng
RT: 7.380 min Scan# 730
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 94 Resp: 182959

Ion	Ratio	Lower	Upper
94	100		
65	34.0	15.8	55.8
66	47.0	24.0	64.0

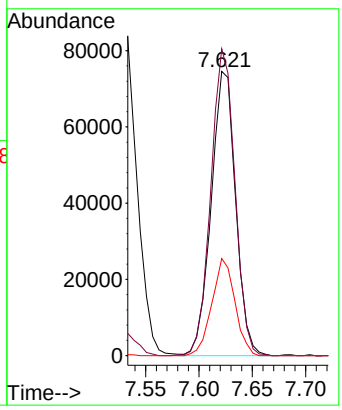




#11
bis(2-Chloroethyl)ether
Concen: 41.014 ng
RT: 7.621 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 93 Resp: 11931

Ion	Ratio	Lower	Upper
93	100		
63	107.9	91.3	131.3
95	34.1	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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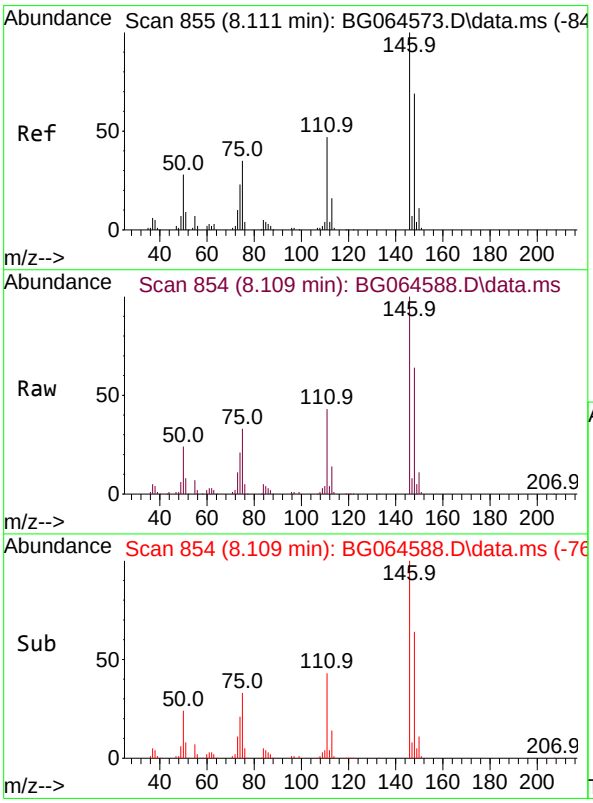
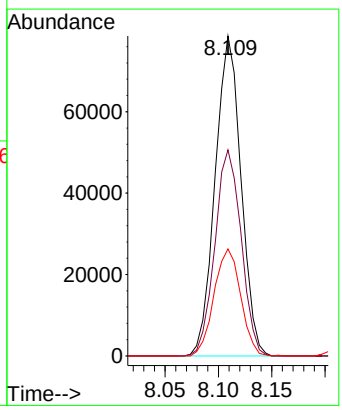
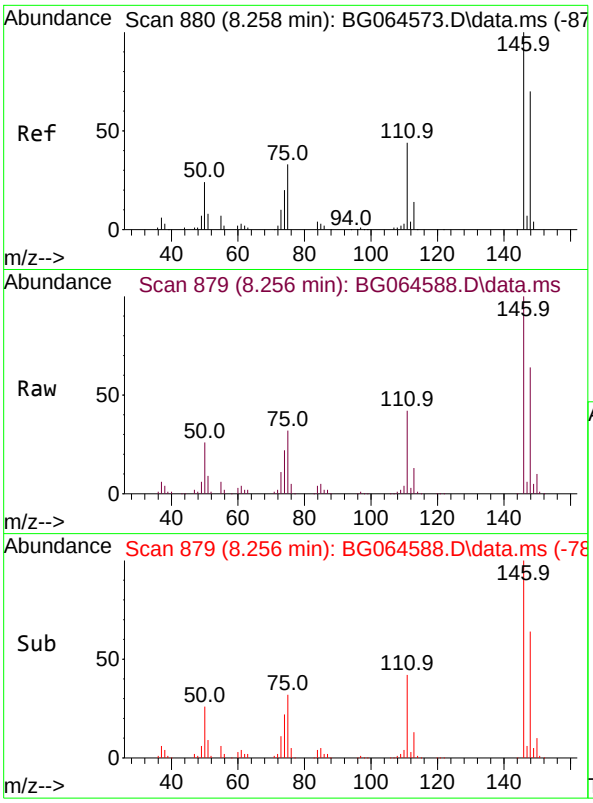


#12
1,3-Dichlorobenzene
Concen: 42.253 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:146 Resp: 132724

Ion	Ratio	Lower	Upper
146	100		
148	64.4	55.3	82.9
75	33.4	28.2	42.2

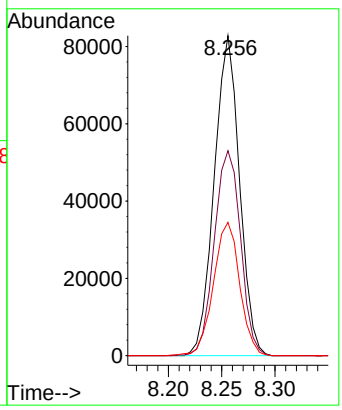




#13
1,4-Dichlorobenzene
Concen: 42.854 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:146 Resp: 13687

Ion	Ratio	Lower	Upper
146	100		
148	64.0	56.2	84.4
111	41.6	35.4	53.0



Instrument :
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ClientSampleId :
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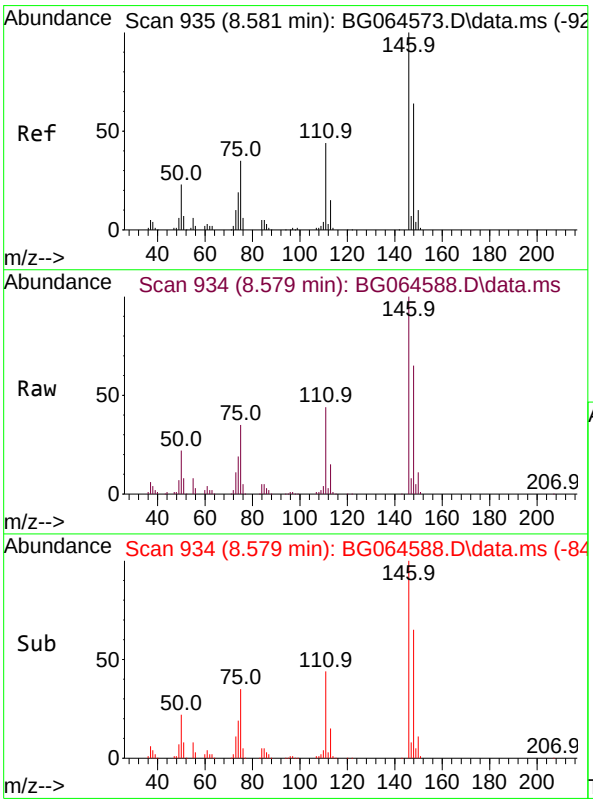
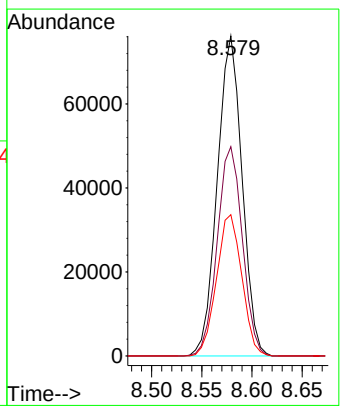
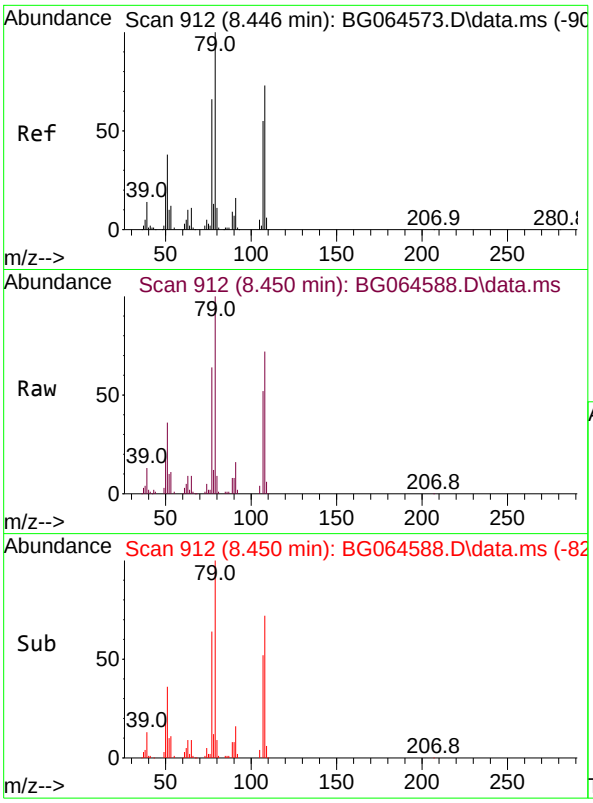


#14
1,2-Dichlorobenzene
Concen: 42.609 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:146 Resp: 131264

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.5	77.3
111	44.1	35.0	52.6





#15
Benzyl Alcohol
Concen: 44.156 ng
RT: 8.450 min Scan# 91
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 79 Resp: 130279

Ion	Ratio	Lower	Upper
79	100		
108	72.3	58.1	87.1
77	64.0	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
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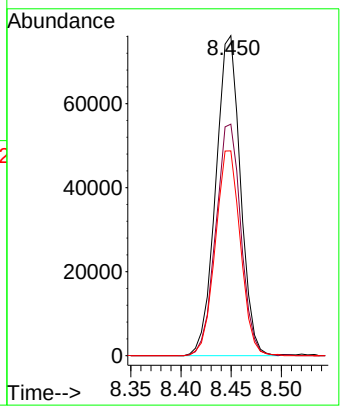
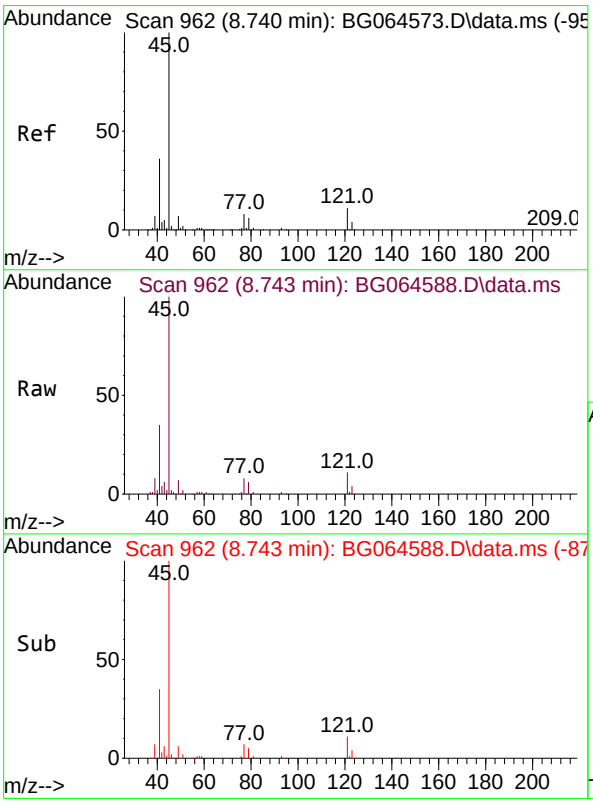
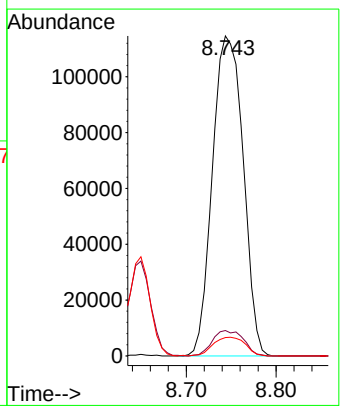


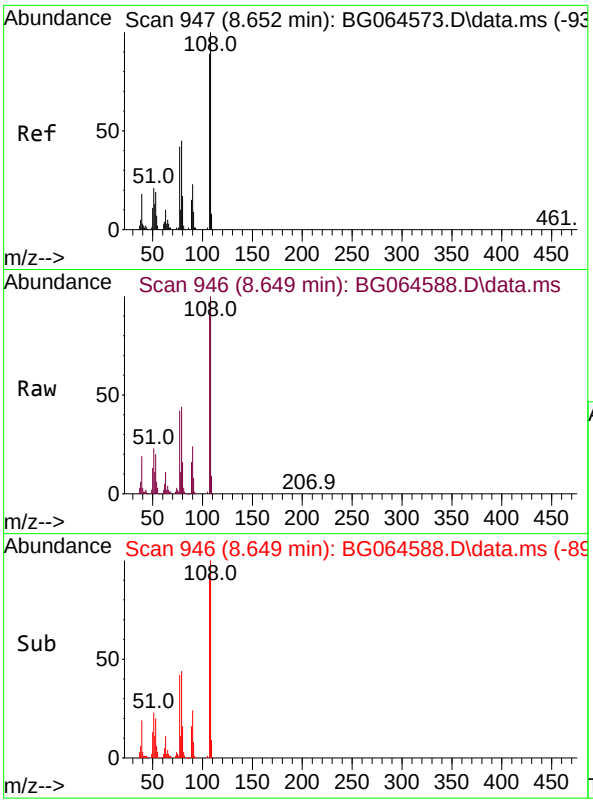


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.828 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 45 Resp: 273402

Ion	Ratio	Lower	Upper
45	100		
77	7.9	0.0	28.5
79	5.7	0.0	25.6

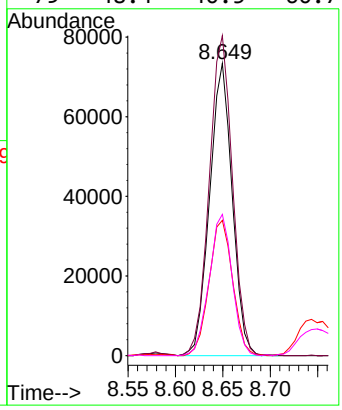




#17
2-Methylphenol
Concen: 46.226 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:107 Resp: 12144

Ion	Ratio	Lower	Upper
107	100		
108	109.5	90.0	135.0
77	46.3	37.8	56.8
79	48.4	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
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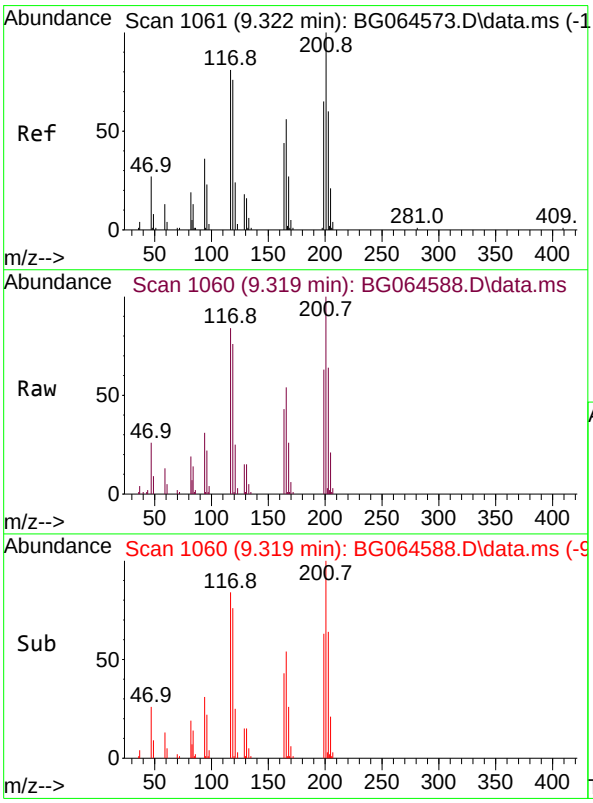
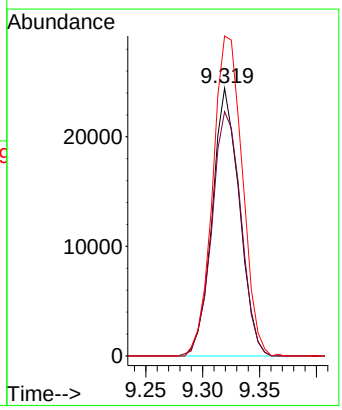
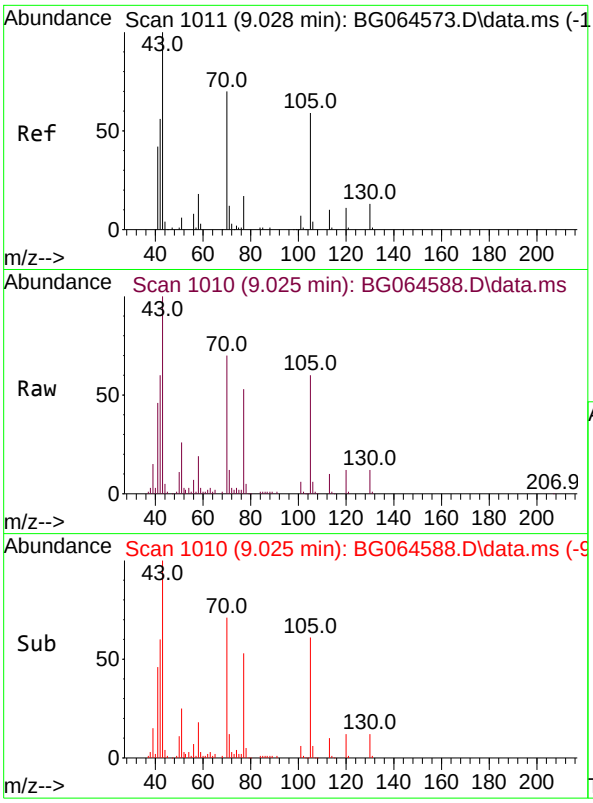


#18
Hexachloroethane
Concen: 36.119 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:117 Resp: 40484

Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.4	113.2
201	119.5	99.2	148.8

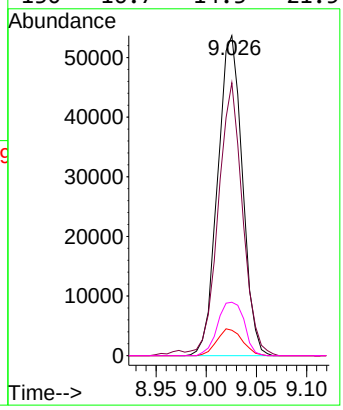




#19
n-Nitroso-di-n-propylamine
Concen: 37.153 ng
RT: 9.025 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 70 Resp: 9186

Ion	Ratio	Lower	Upper
70	100		
42	85.3	65.2	97.8
101	7.9	7.9	11.9
130	16.7	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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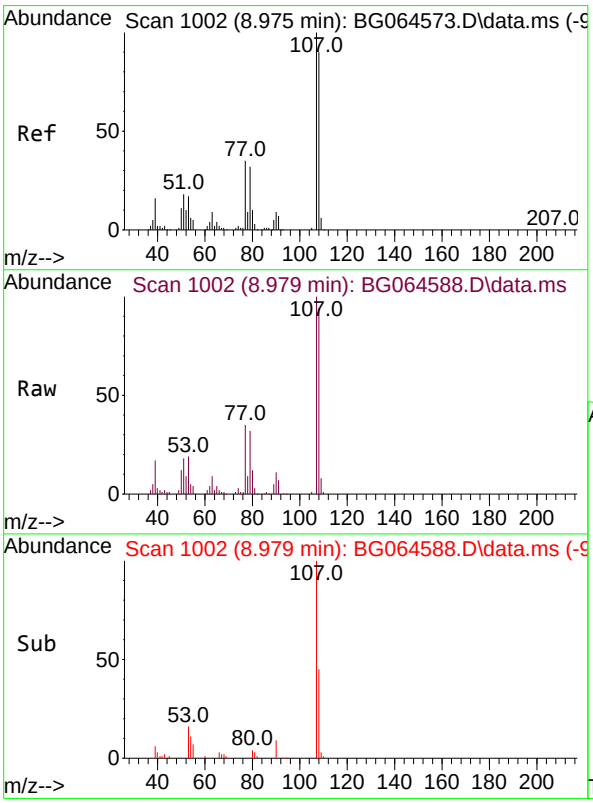
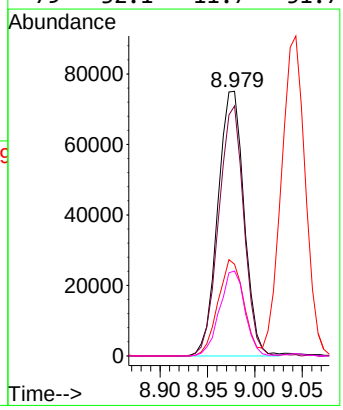
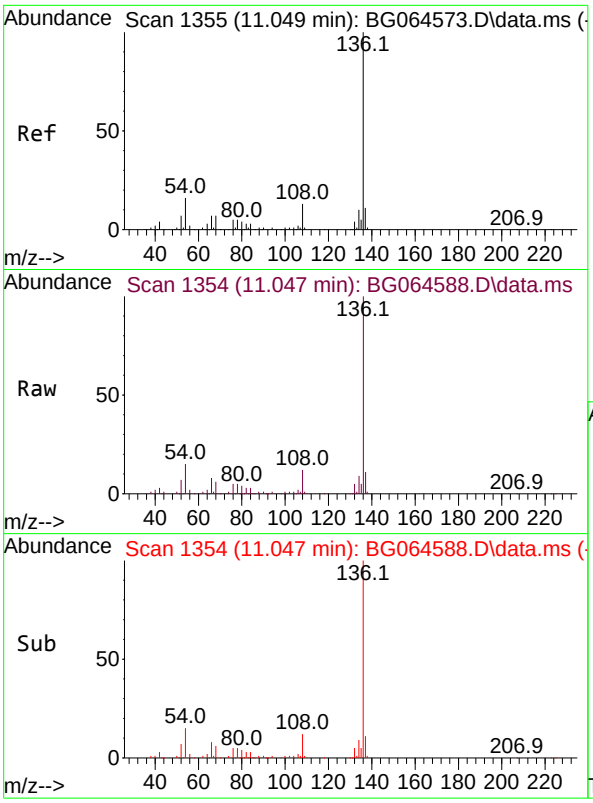


#20
3+4-Methylphenols
Concen: 39.152 ng
RT: 8.979 min Scan# 1002
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:107 Resp: 144651

Ion	Ratio	Lower	Upper
107	100		
108	94.5	70.3	110.3
77	34.6	14.6	54.6
79	32.1	11.7	51.7

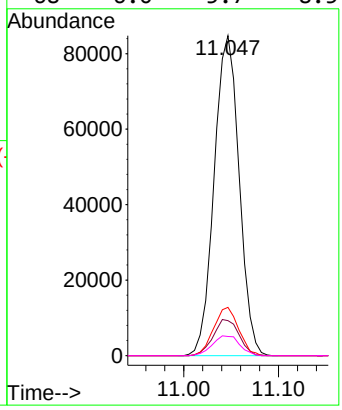




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.047 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:136 Resp: 155179

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	15.1	12.6	19.0
68	6.0	5.7	8.5



Instrument :
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ClientSampleId :
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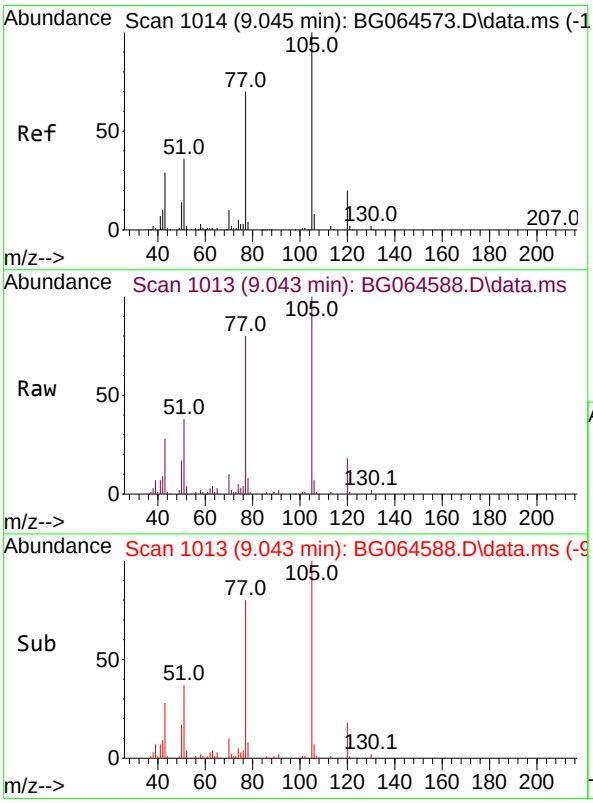
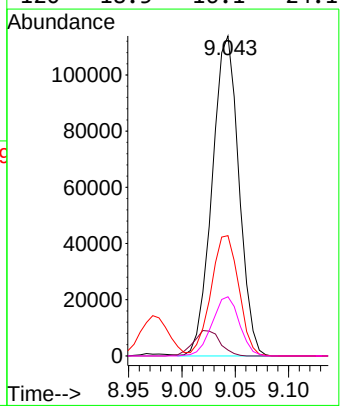
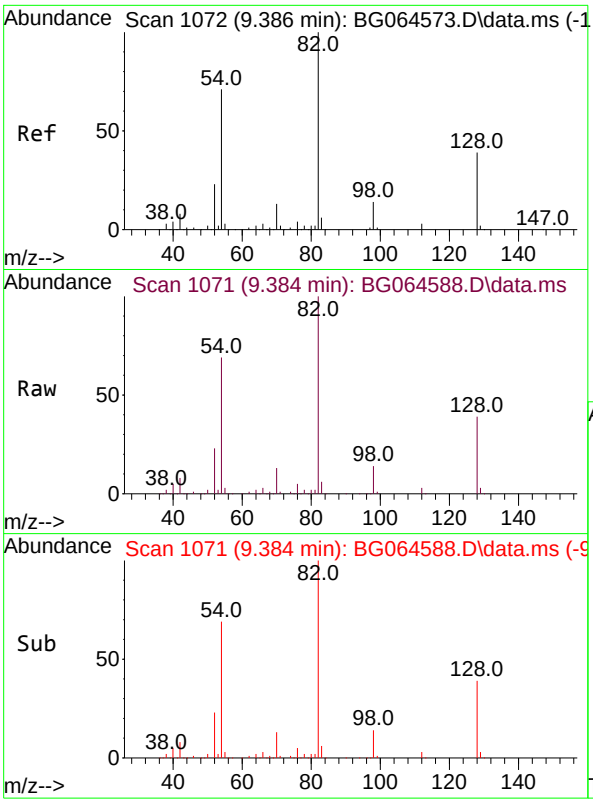


#22
Acetophenone
Concen: 46.916 ng
RT: 9.043 min Scan# 1013
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:105 Resp: 199016

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.5	2.3
51	37.6	33.7	50.5
120	18.5	16.1	24.1

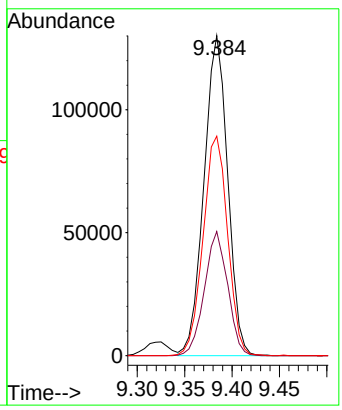




#23
Nitrobenzene-d5
Concen: 87.721 ng
RT: 9.384 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 82 Resp: 22663

Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.3	46.9
54	68.6	56.6	84.8



Instrument :
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ClientSampleId :
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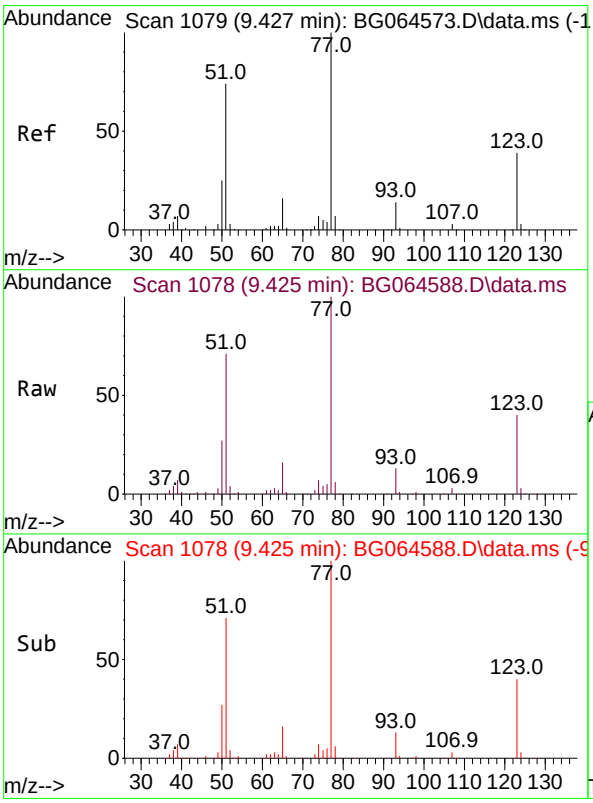
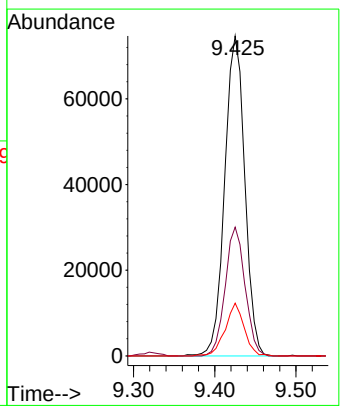
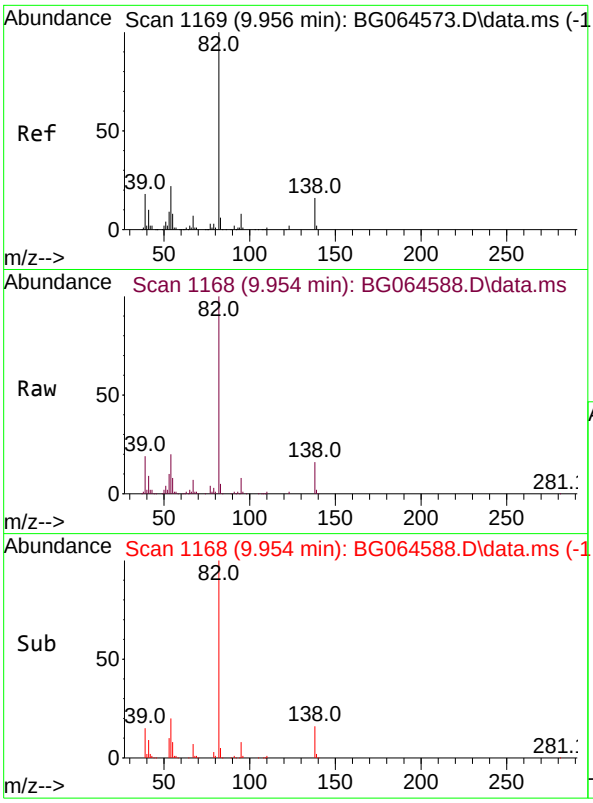


#24
Nitrobenzene
Concen: 45.610 ng
RT: 9.425 min Scan# 1078
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 77 Resp: 128168

Ion	Ratio	Lower	Upper
77	100		
123	40.2	31.0	46.6
65	16.5	12.7	19.1





#25
Isophorone
Concen: 42.533 ng
RT: 9.954 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 82 Resp: 26368

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.9	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
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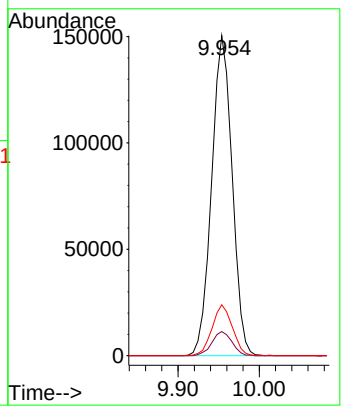
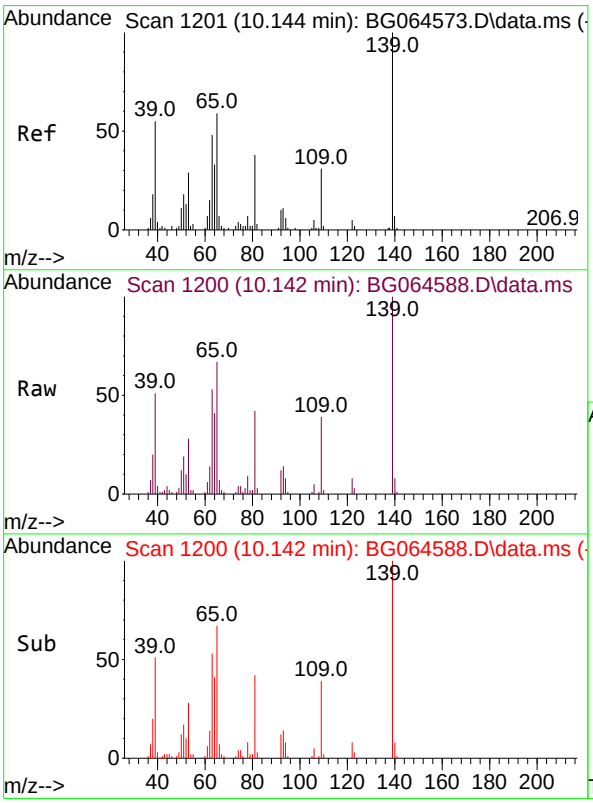
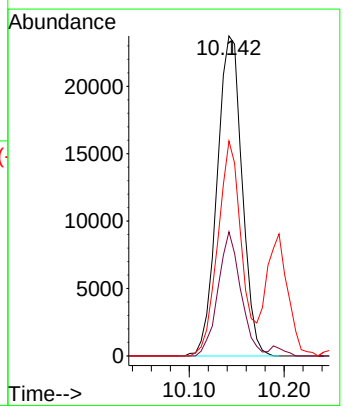


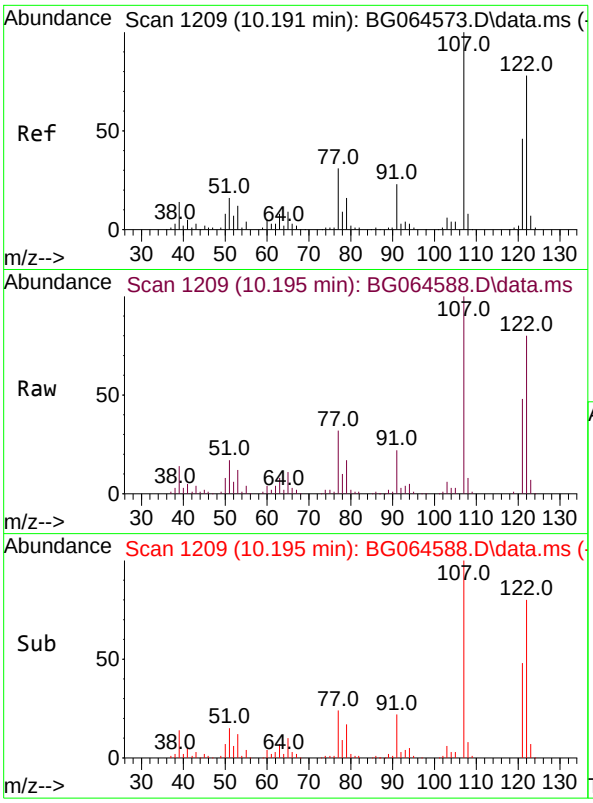


#26
2-Nitrophenol
Concen: 40.595 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:139 Resp: 43454

Ion	Ratio	Lower	Upper
139	100		
109	38.8	24.6	37.0#
65	67.1	47.5	71.3

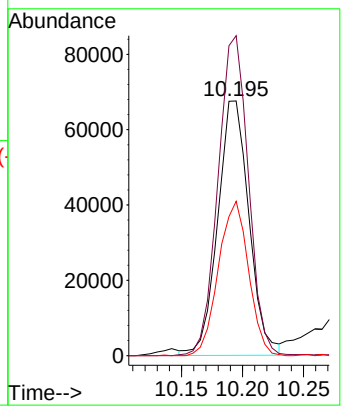




#27
2,4-Dimethylphenol
Concen: 52.332 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:122 Resp: 12068

Ion	Ratio	Lower	Upper
122	100		
107	125.7	103.0	154.4
121	60.6	47.8	71.8



Instrument :
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ClientSampleId :
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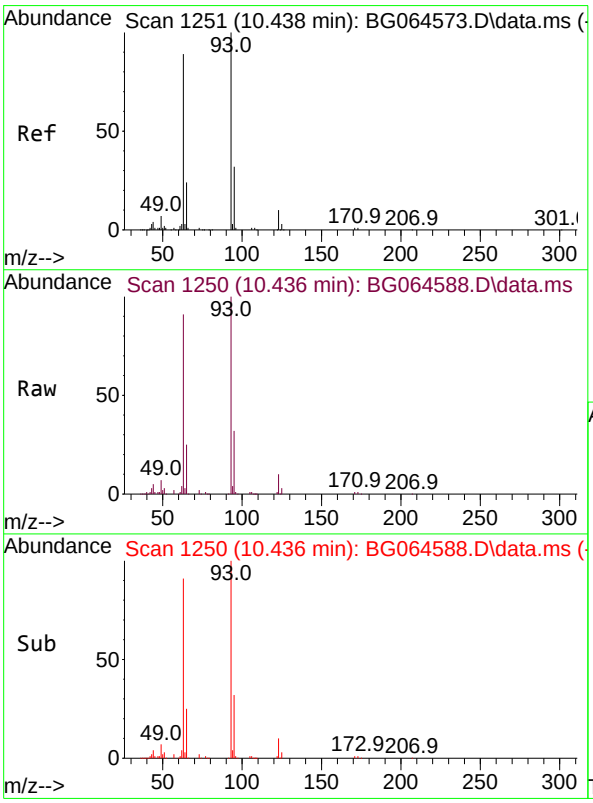
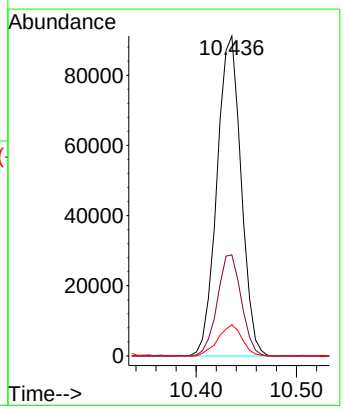
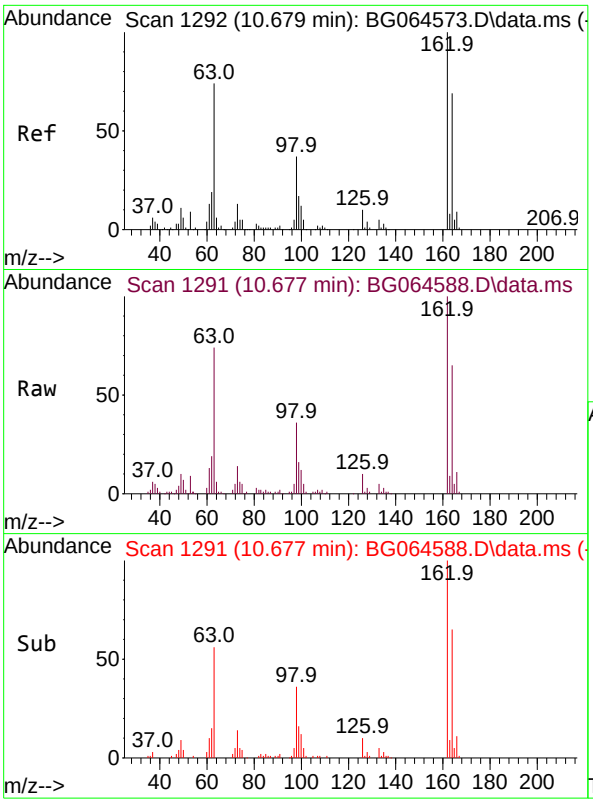


#28
bis(2-Chloroethoxy)methane
Concen: 43.223 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 93 Resp: 152570

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.4	38.2
123	9.7	8.4	12.6

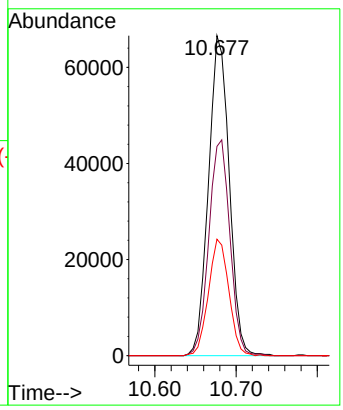




#29
2,4-Dichlorophenol
Concen: 47.622 ng
RT: 10.677 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:162 Resp: 11818

Ion	Ratio	Lower	Upper
162	100		
164	65.4	48.7	88.7
98	36.4	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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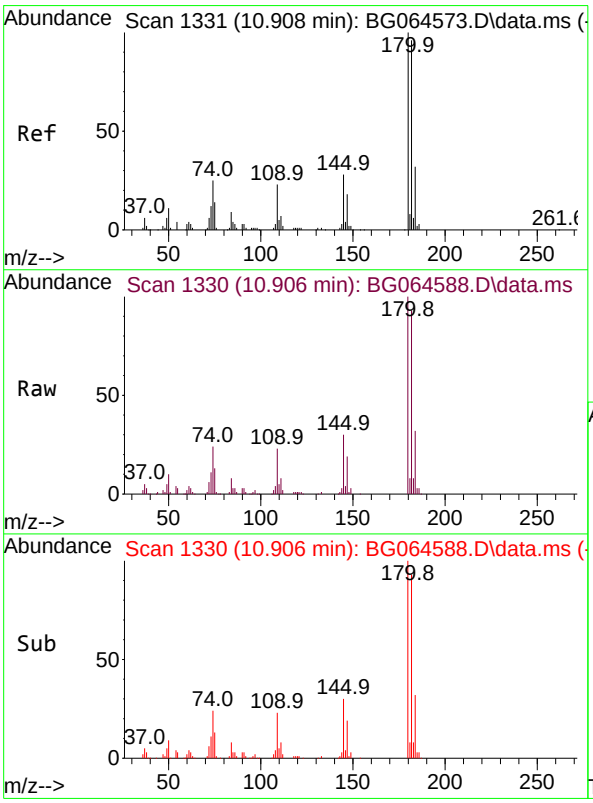
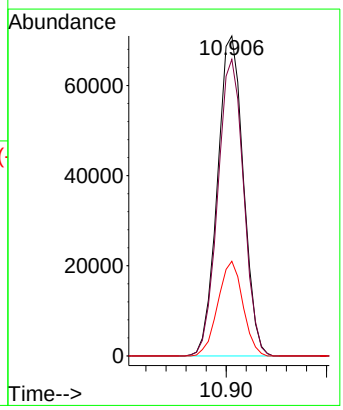
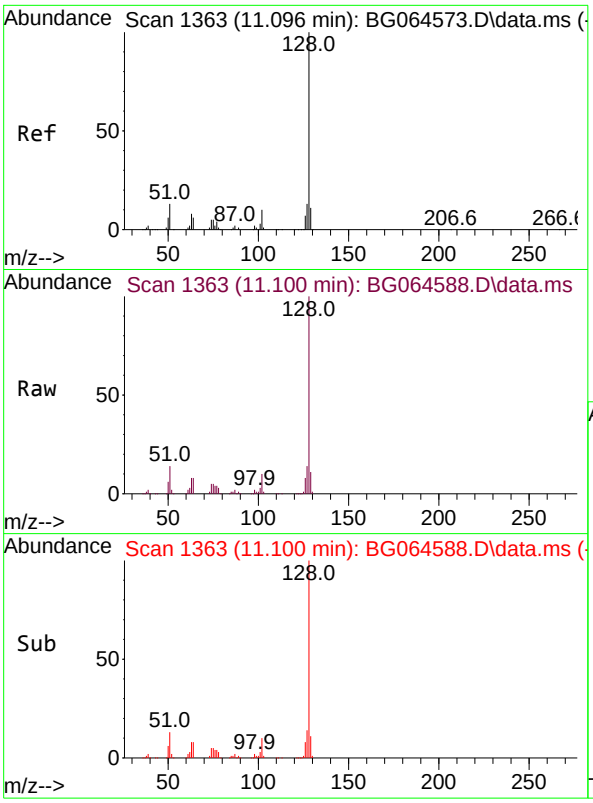


#30
1,2,4-Trichlorobenzene
Concen: 45.177 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:180 Resp: 127388

Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.9	115.3
145	29.6	22.1	33.1

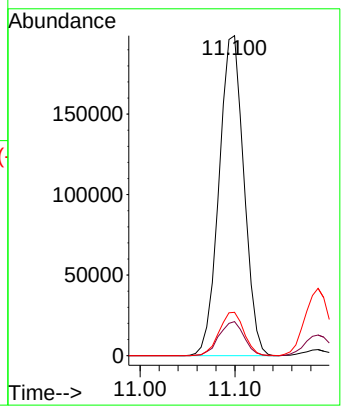




#31
Naphthalene
Concen: 41.987 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:128 Resp: 36124

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.5	10.6	15.8



Instrument :
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ClientSampleId :
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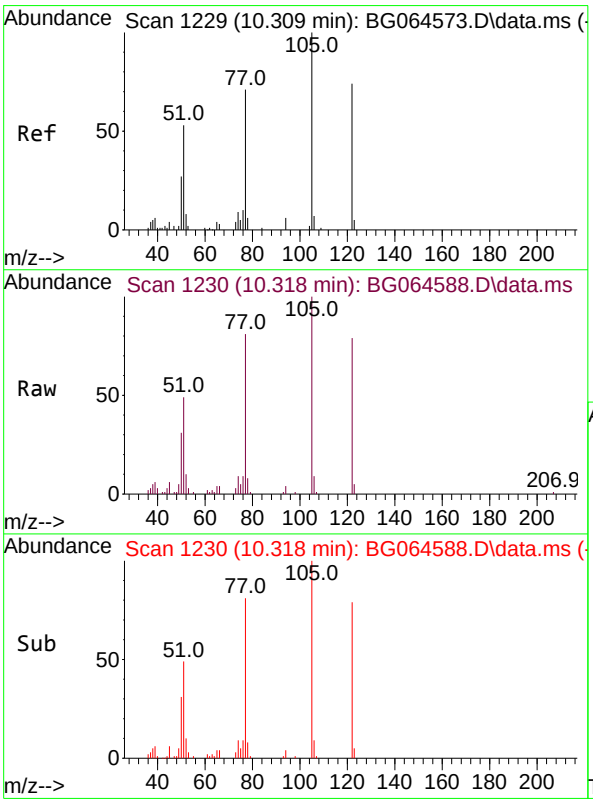
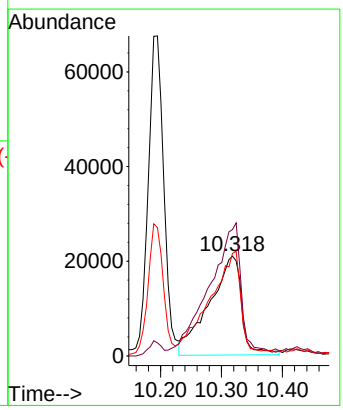
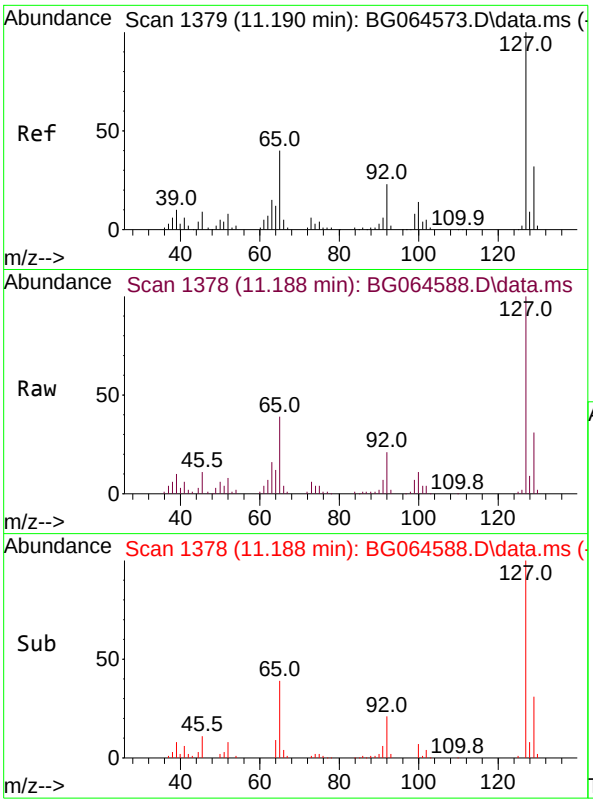


#32
Benzoic acid
Concen: 44.434 ng
RT: 10.318 min Scan# 1230
Delta R.T. 0.009 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:122 Resp: 77183

Ion	Ratio	Lower	Upper
122	100		
105	126.7	104.2	144.2
77	102.8	70.2	110.2

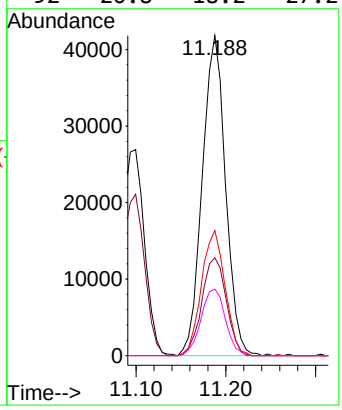




#33
4-Chloroaniline
Concen: 22.523 ng
RT: 11.188 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:127 Resp: 7531

Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.5	38.3
65	39.1	32.2	48.4
92	20.8	18.2	27.2



Instrument :
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ClientSampleId :
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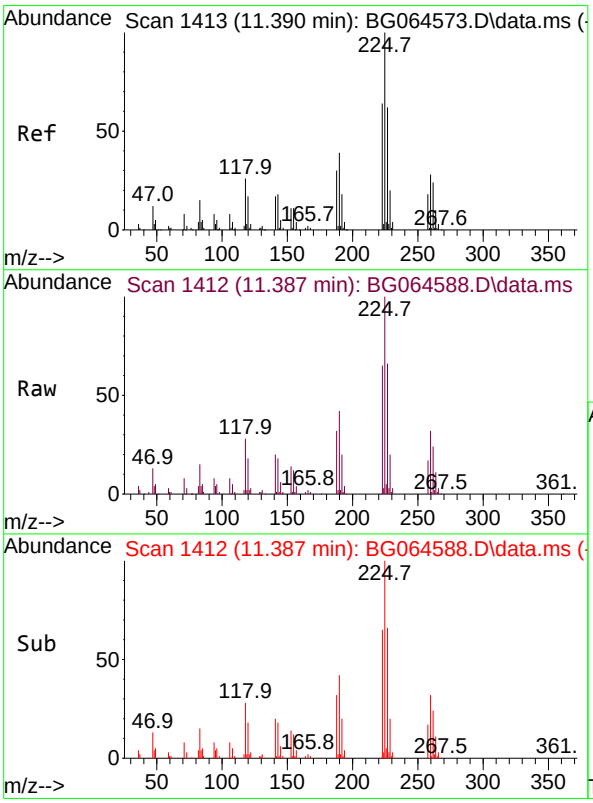
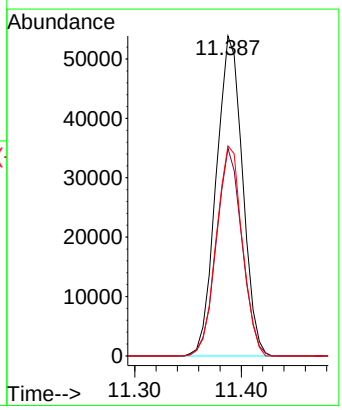
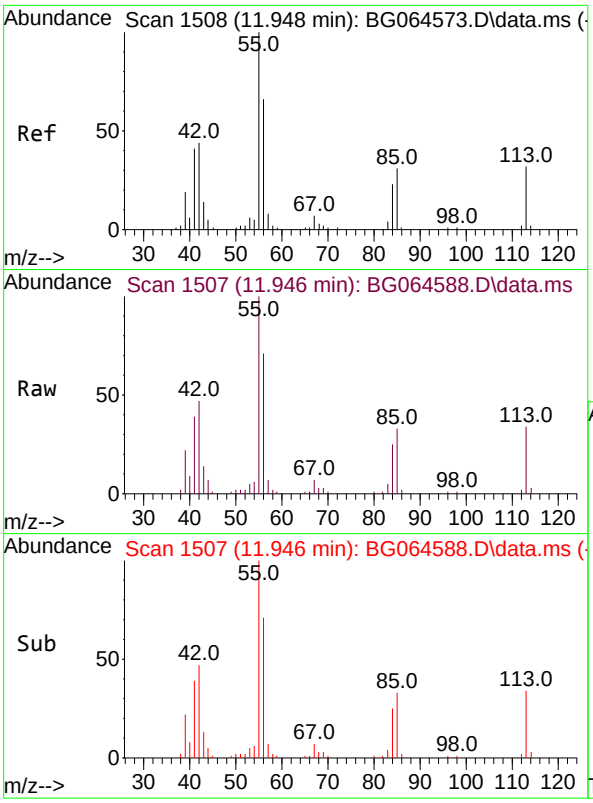


#34
Hexachlorobutadiene
Concen: 41.953 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:225 Resp: 92515

Ion	Ratio	Lower	Upper
225	100		
223	61.9	48.8	73.2
227	62.7	49.5	74.3

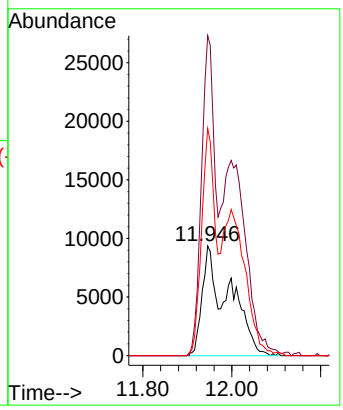




#35
Caprolactam
Concen: 41.125 ng m
RT: 11.946 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:113 Resp: 3914

Ion	Ratio	Lower	Upper
113	100		
55	291.8	290.1	330.1
56	207.0	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
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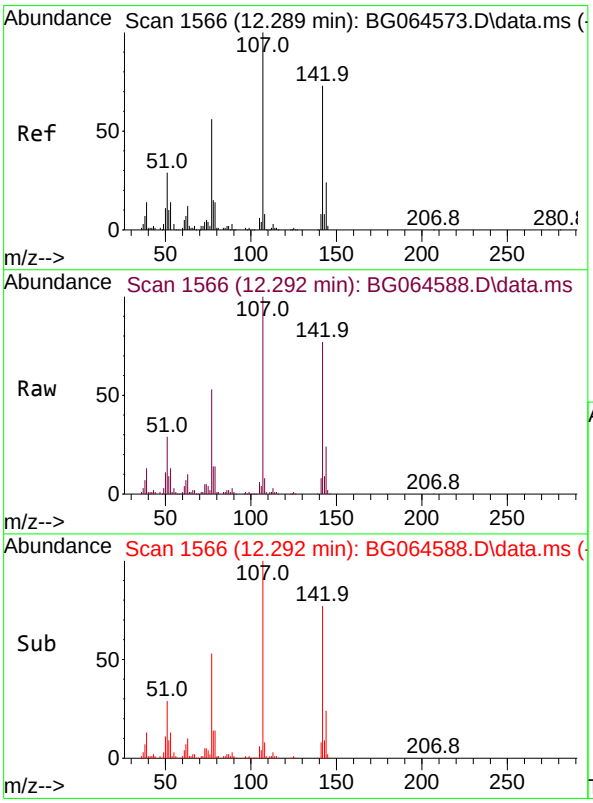
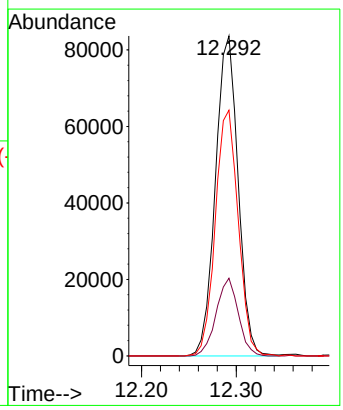
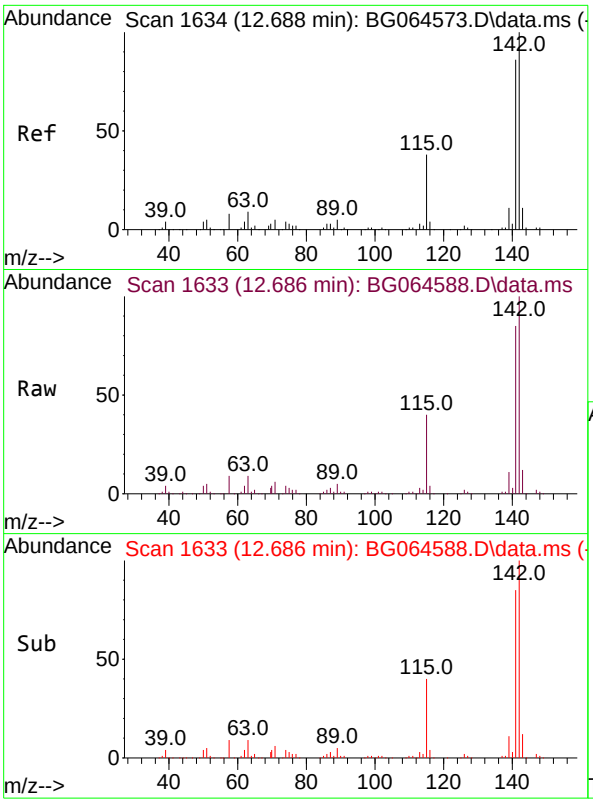


#36
4-Chloro-3-methylphenol
Concen: 46.495 ng
RT: 12.292 min Scan# 1566
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:107 Resp: 138701

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	76.8	58.6	87.8

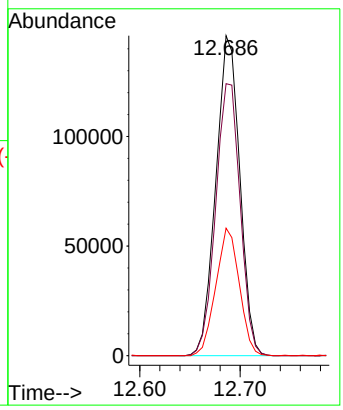




#37
2-Methylnaphthalene
Concen: 38.379 ng
RT: 12.686 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:142 Resp: 24243

Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.9	103.3
115	39.8	30.6	46.0



Instrument :
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ClientSampleId :
PB170246BS

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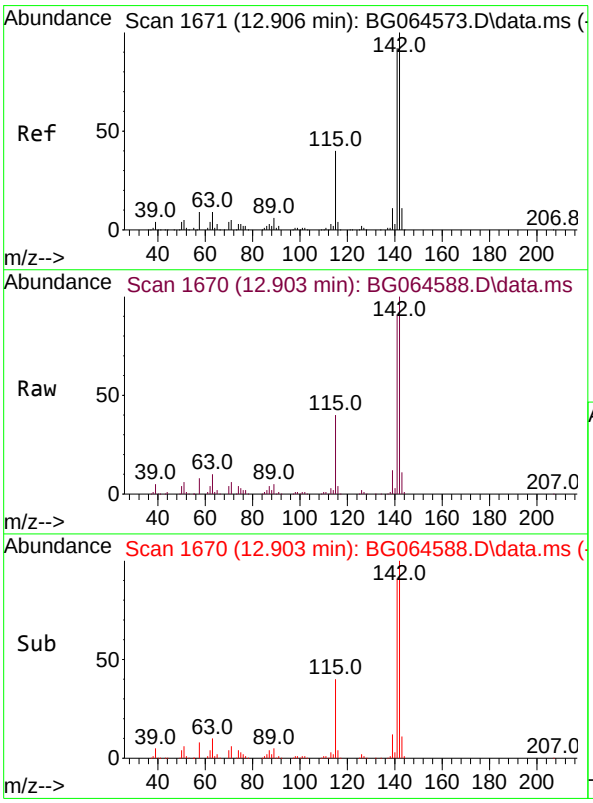
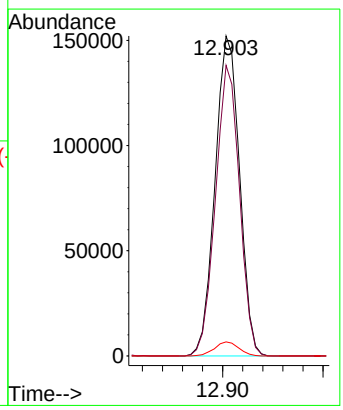
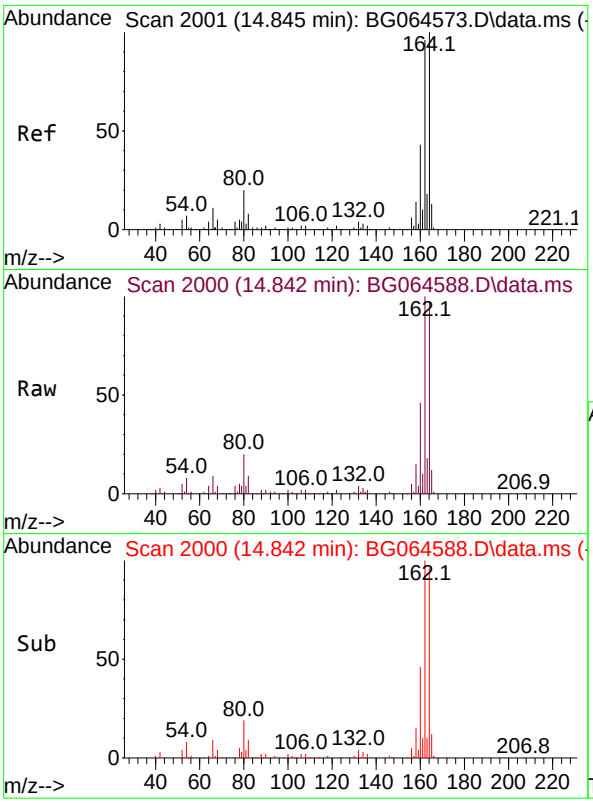


#38
1-Methylnaphthalene
Concen: 41.251 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:142 Resp: 257957

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.3	109.9
116	4.4	3.1	4.7

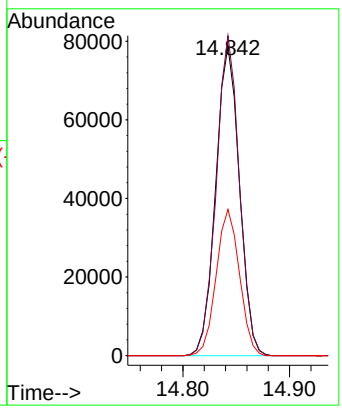




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:164 Resp: 12198

Ion	Ratio	Lower	Upper
164	100		
162	103.5	77.0	115.6
160	47.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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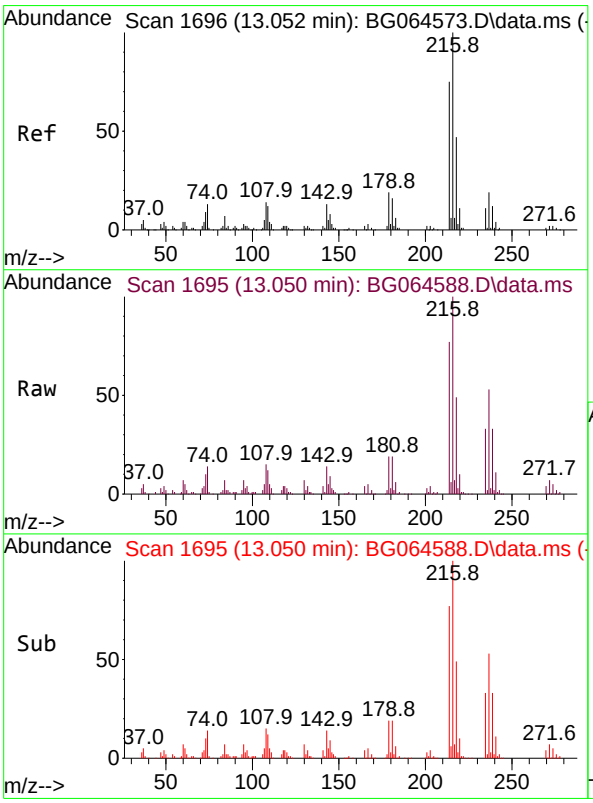
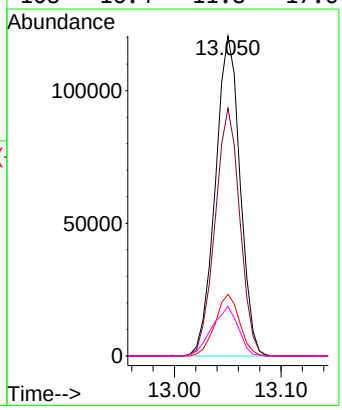
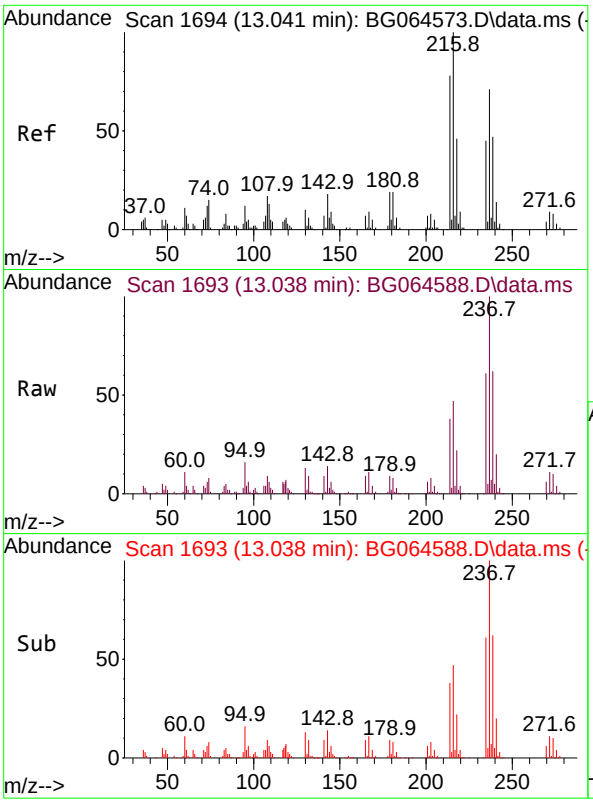


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.439 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:216 Resp: 194204

Ion	Ratio	Lower	Upper
216	100		
214	77.5	61.4	92.2
179	18.9	15.4	23.0
108	16.4	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 115.722 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:237 Resp: 21323

Ion	Ratio	Lower	Upper
237	100		
235	61.2	44.1	84.1
272	10.9	0.0	32.4

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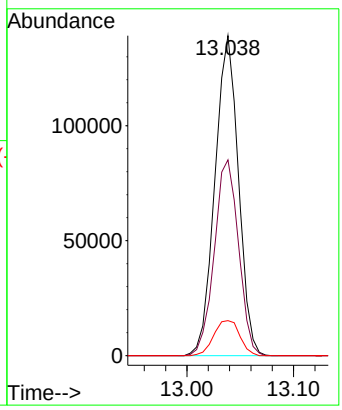
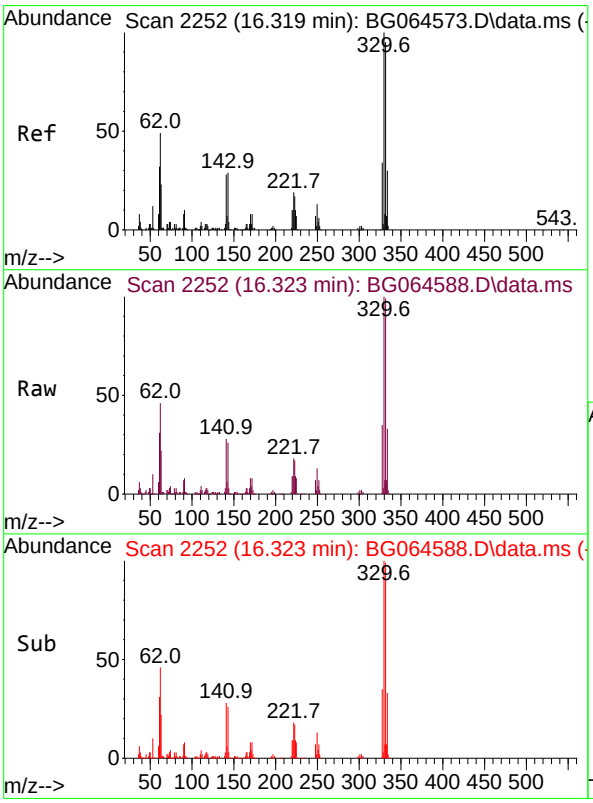
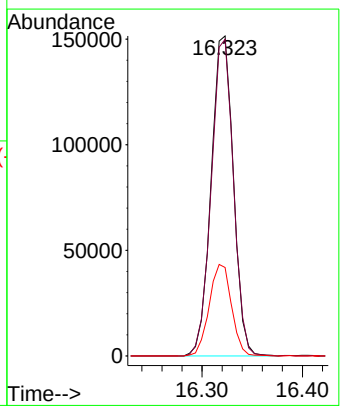


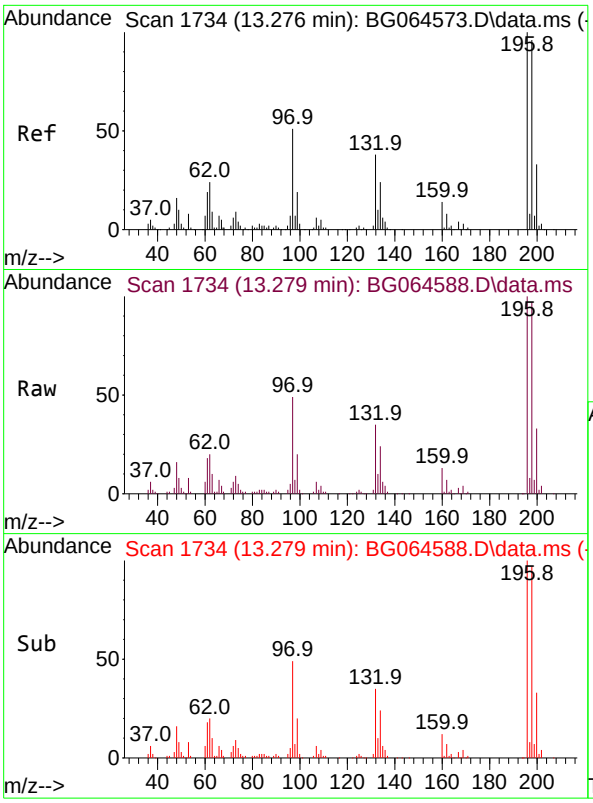


#42
2,4,6-Tribromophenol
Concen: 132.598 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:330 Resp: 233447

Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.0	117.0
141	28.7	21.8	32.6

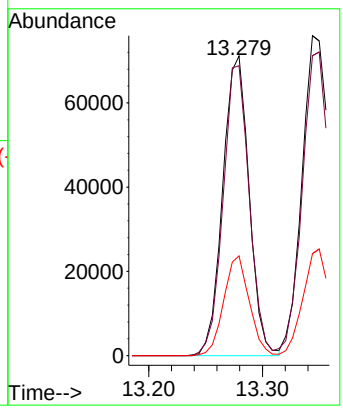




#43
2,4,6-Trichlorophenol
Concen: 48.940 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:196 Resp: 11460

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.6	115.0
200	33.3	26.0	39.0



Instrument :
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ClientSampleId :
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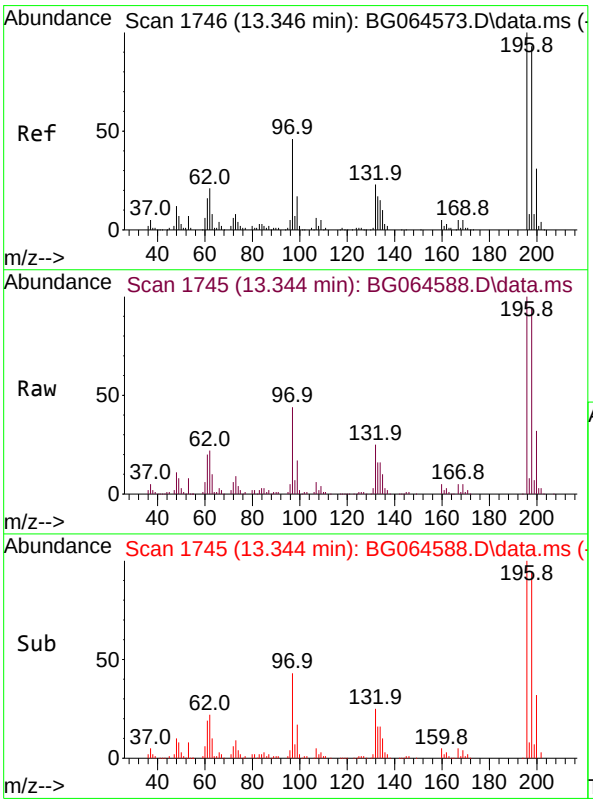
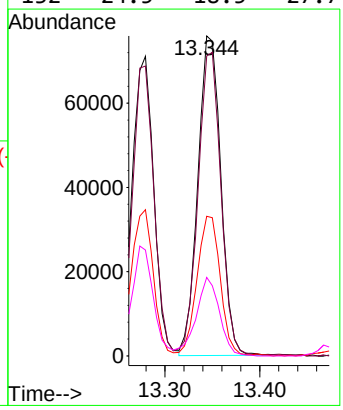
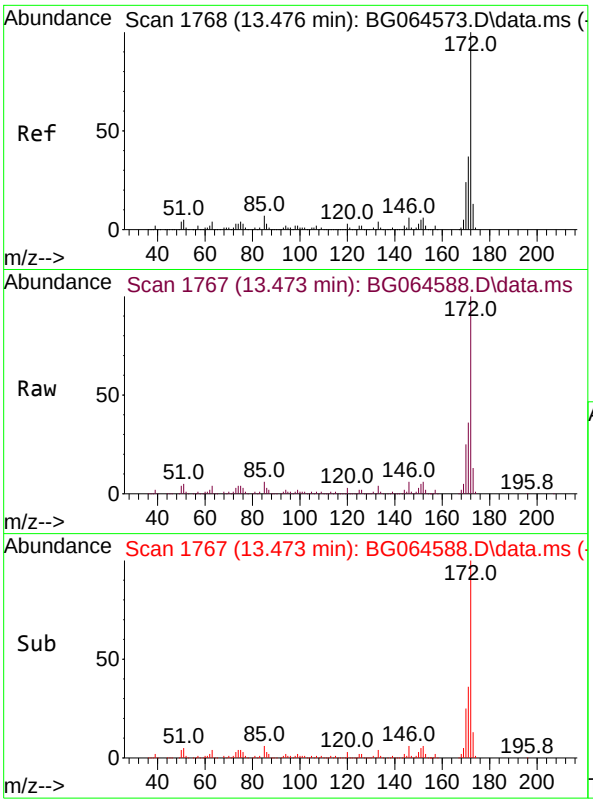


#44
2,4,5-Trichlorophenol
Concen: 47.327 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:196 Resp: 127891

Ion	Ratio	Lower	Upper
196	100		
198	93.7	74.2	111.4
97	43.6	37.0	55.6
132	24.5	18.5	27.7

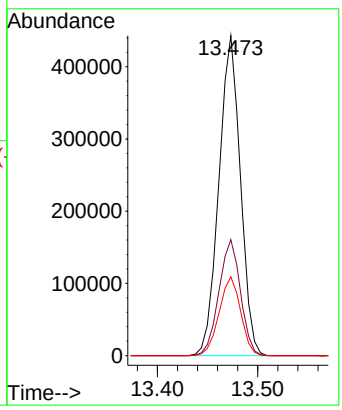




#45
2-Fluorobiphenyl
Concen: 82.135 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:172 Resp: 66099

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.6	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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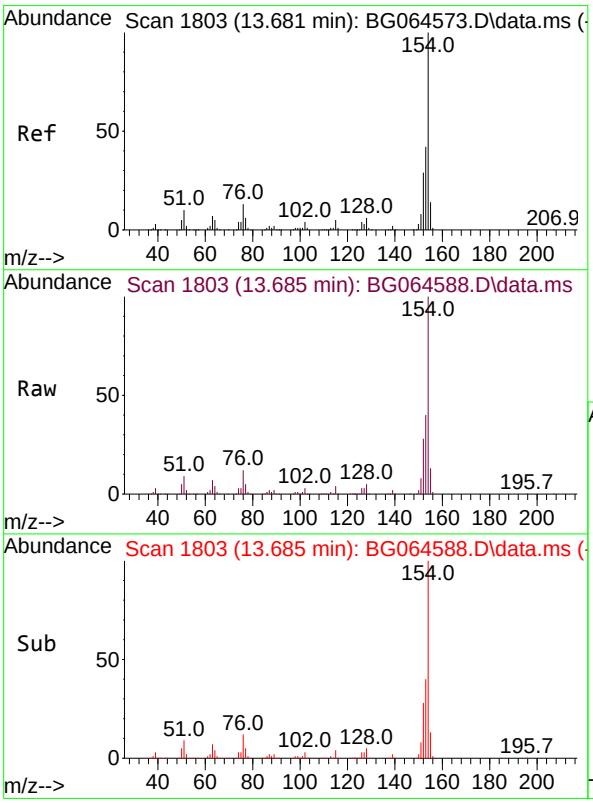
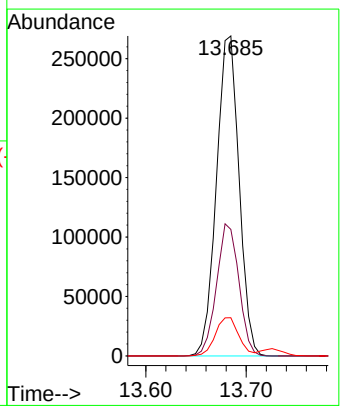
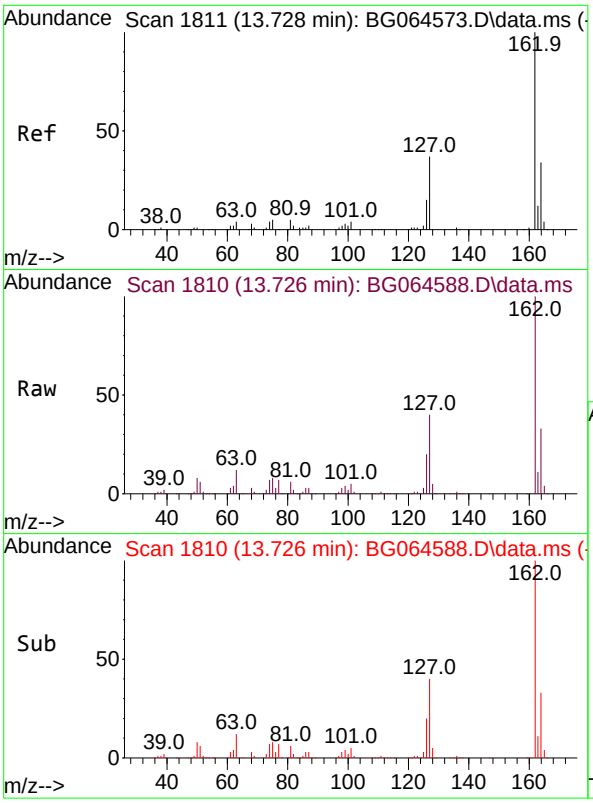


#46
1,1'-Biphenyl
Concen: 48.675 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:154 Resp: 422117

Ion	Ratio	Lower	Upper
154	100		
153	39.5	22.4	62.4
76	11.9	0.0	33.5

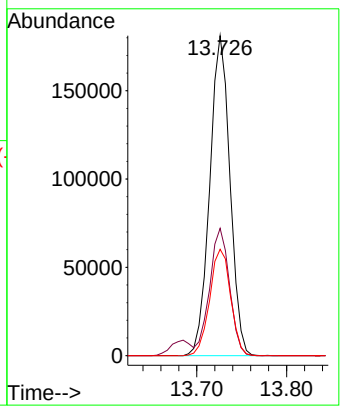




#47
2-Chloronaphthalene
Concen: 43.340 ng
RT: 13.726 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:162 Resp: 283699

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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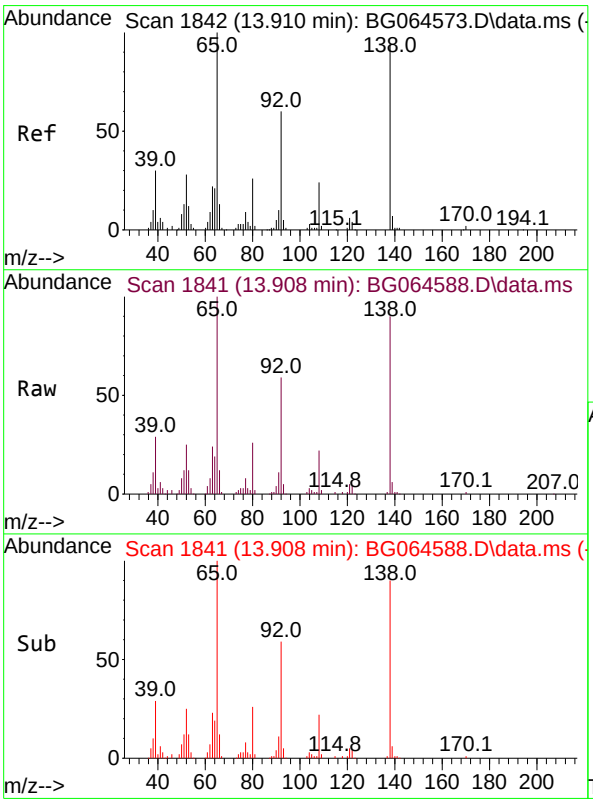
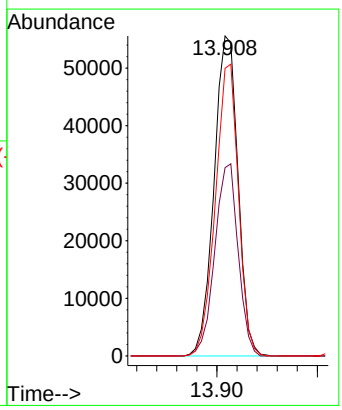
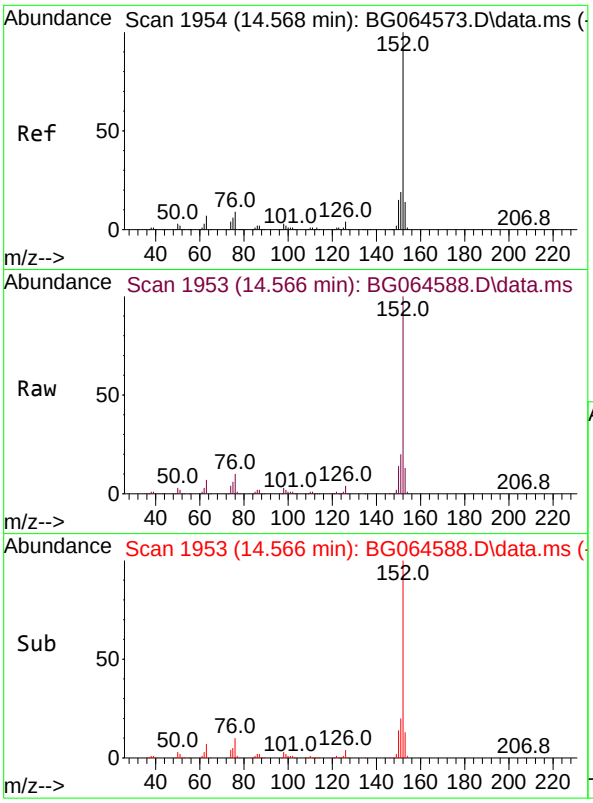


#48
2-Nitroaniline
Concen: 42.337 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 65 Resp: 92141

Ion	Ratio	Lower	Upper
65	100		
92	58.8	48.3	72.5
138	89.9	74.9	112.3

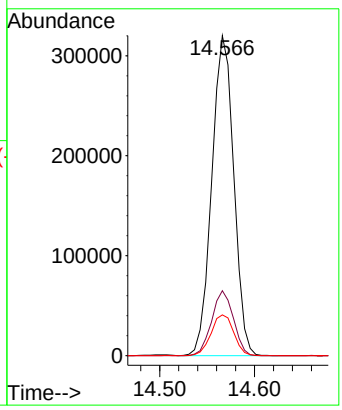




#49
Acenaphthylene
Concen: 49.899 ng
RT: 14.566 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:152 Resp: 51521

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2
153	12.7	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
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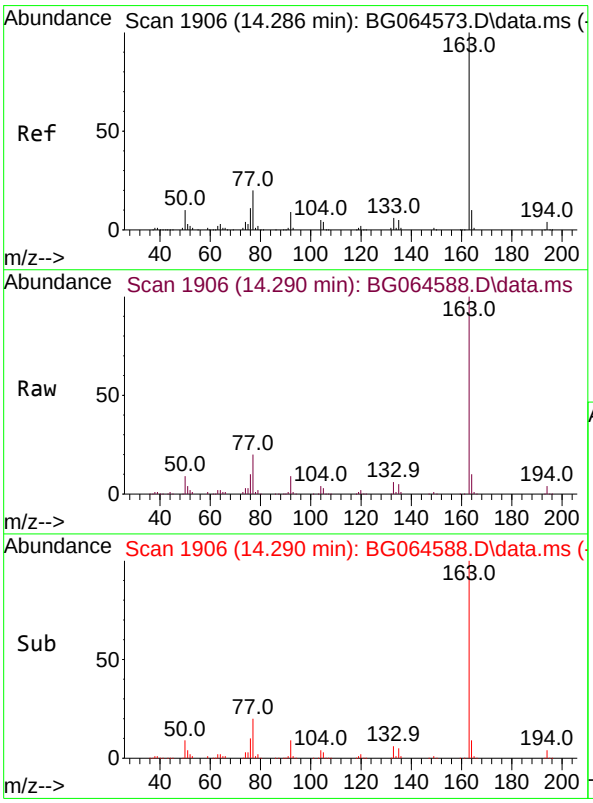
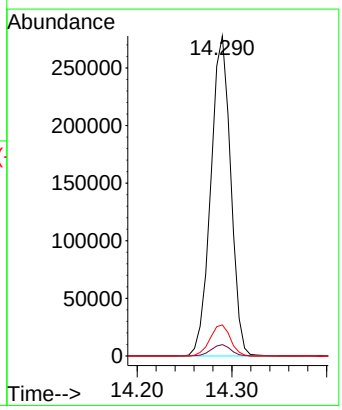
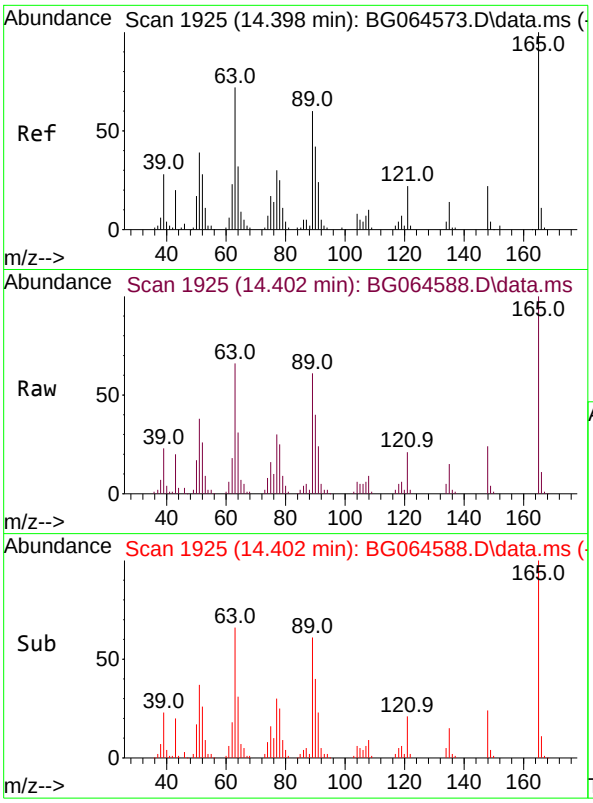


#50
Dimethylphthalate
Concen: 43.427 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:163 Resp: 405346

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.7	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 46.157 ng
RT: 14.402 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:165 Resp: 7088

Ion	Ratio	Lower	Upper
165	100		
63	65.5	57.4	86.0
89	61.1	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
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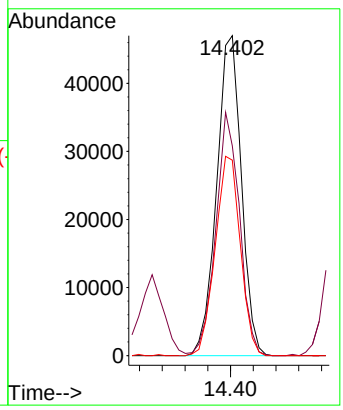
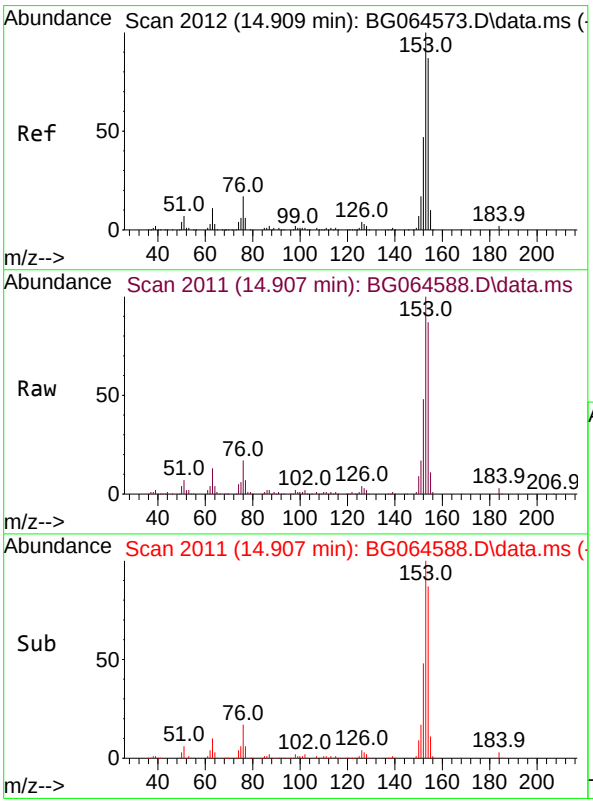
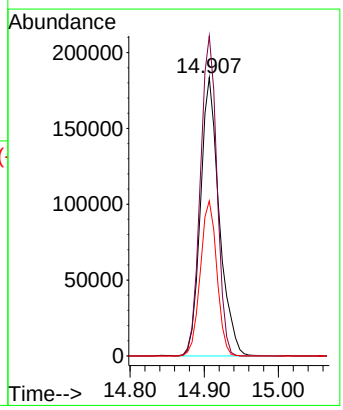


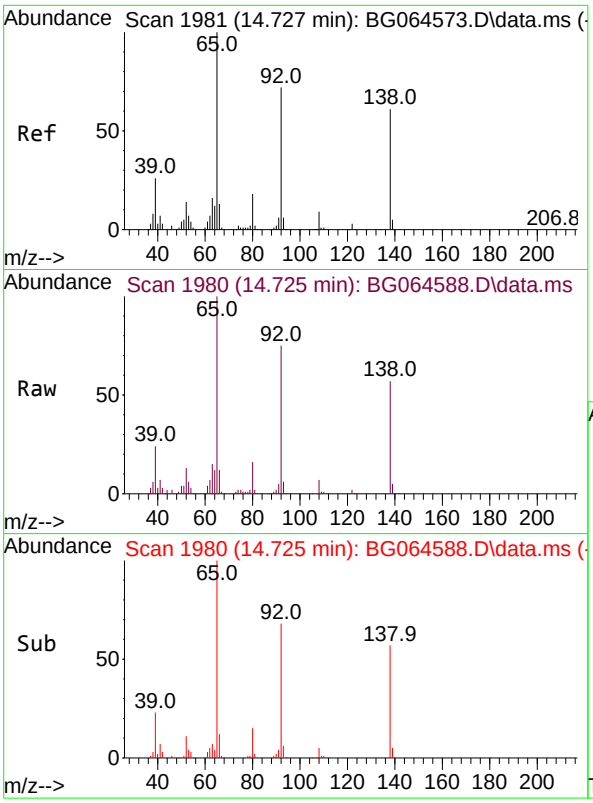


#52
Acenaphthene
Concen: 45.701 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:154 Resp: 322385

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.2	138.4
152	55.7	43.2	64.8

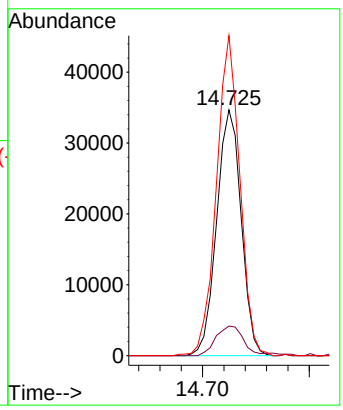




#53
3-Nitroaniline
Concen: 34.558 ng
RT: 14.725 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:138 Resp: 5543

Ion	Ratio	Lower	Upper
138	100		
108	12.1	11.4	17.0
92	130.3	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
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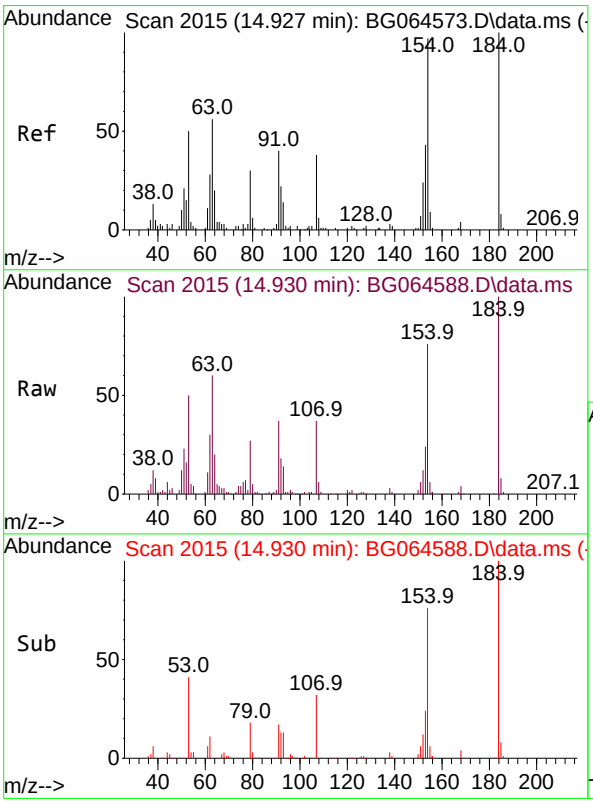
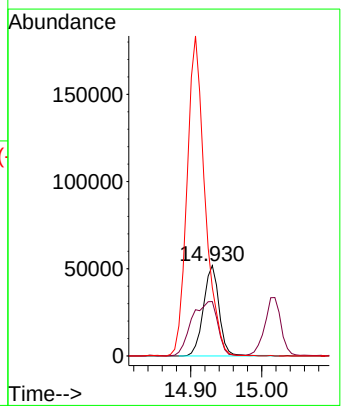
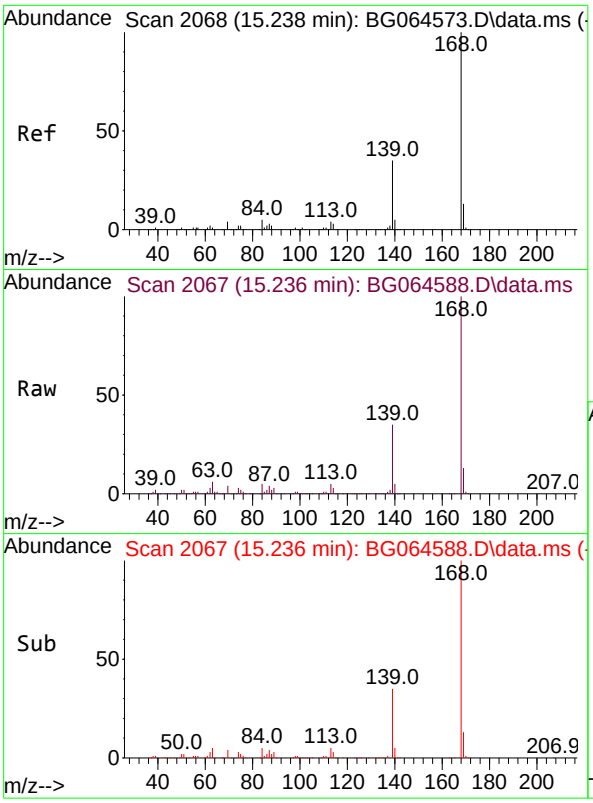


#54
2,4-Dinitrophenol
Concen: 83.109 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:184 Resp: 78763

Ion	Ratio	Lower	Upper
184	100		
63	60.2	56.6	85.0
154	75.5	158.6	238.0#





#55
Dibenzofuran
Concen: 43.694 ng
RT: 15.236 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:168 Resp: 49831

Ion	Ratio	Lower	Upper
168	100		
139	35.4	27.8	41.8
169	13.3	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
PB170246BS

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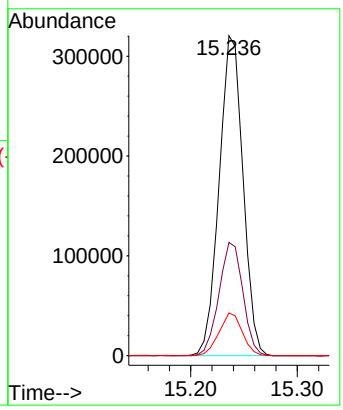
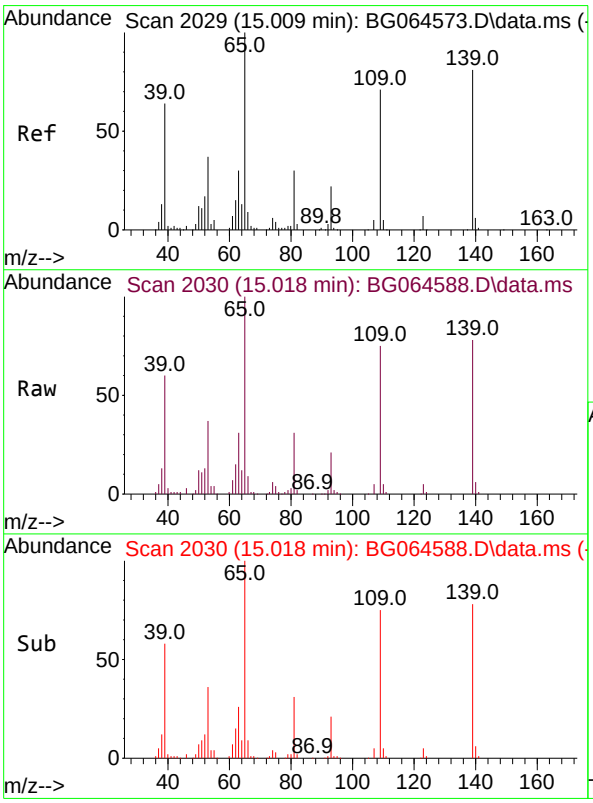
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

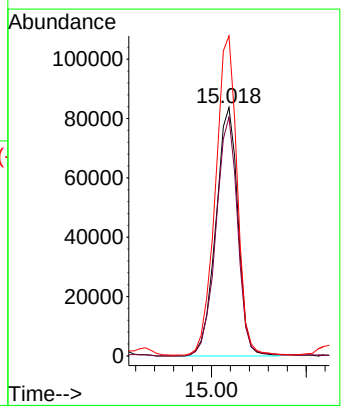


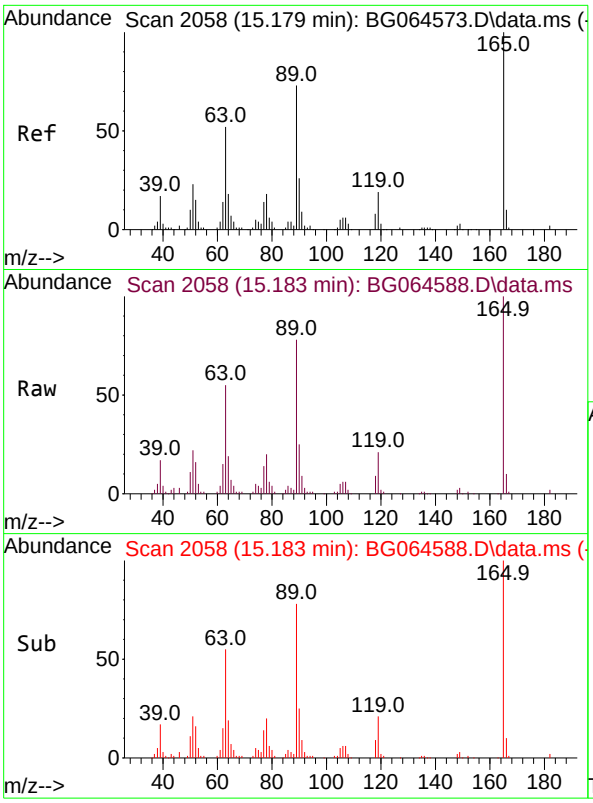


#56
4-Nitrophenol
Concen: 91.038 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:139 Resp: 135394

Ion	Ratio	Lower	Upper
139	100		
109	96.1	67.8	107.8
65	128.8	103.7	143.7

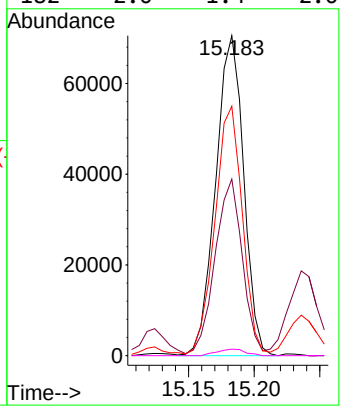




#57
2,4-Dinitrotoluene
Concen: 44.254 ng
RT: 15.183 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:165 Resp: 10477

Ion	Ratio	Lower	Upper
165	100		
63	55.2	41.8	62.8
89	78.0	58.1	87.1
182	2.0	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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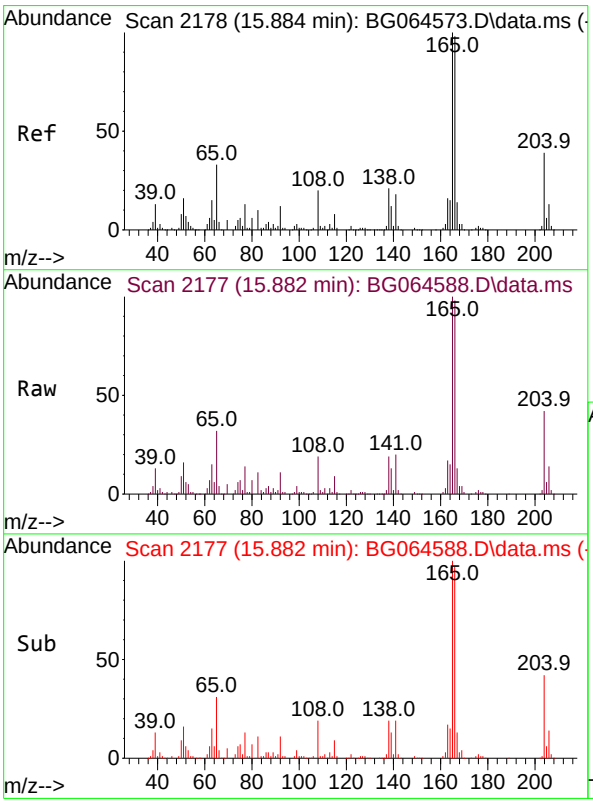
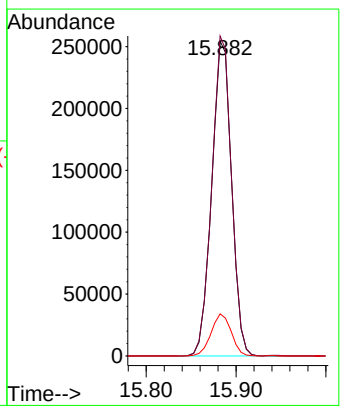
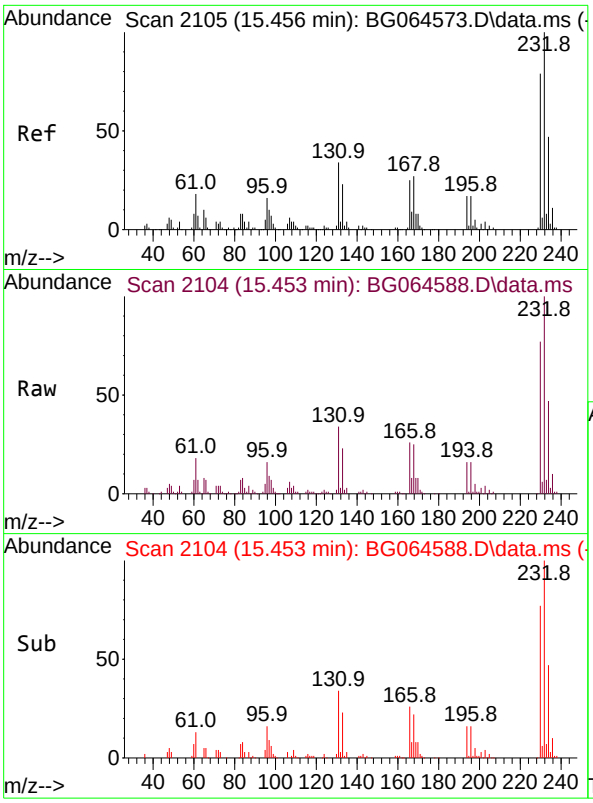


#58
Fluorene
Concen: 43.850 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:166 Resp: 390553

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.5	122.3
167	13.3	11.4	17.0

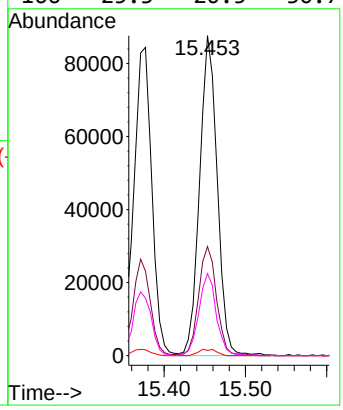




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.164 ng
RT: 15.453 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:232 Resp: 13221

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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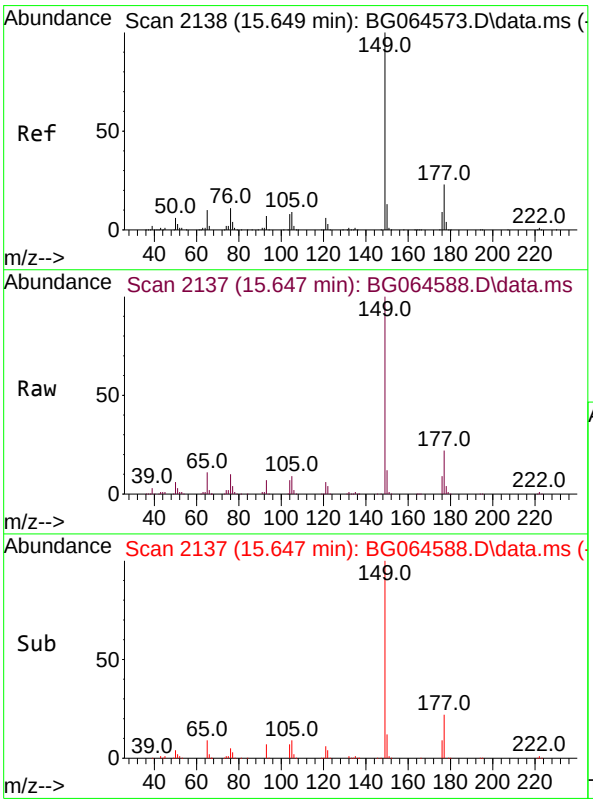
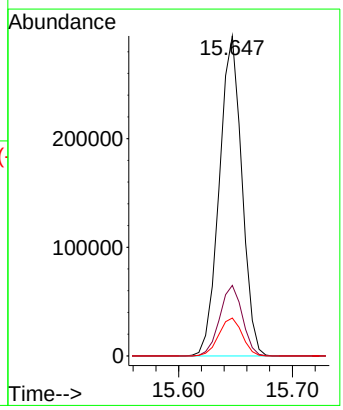
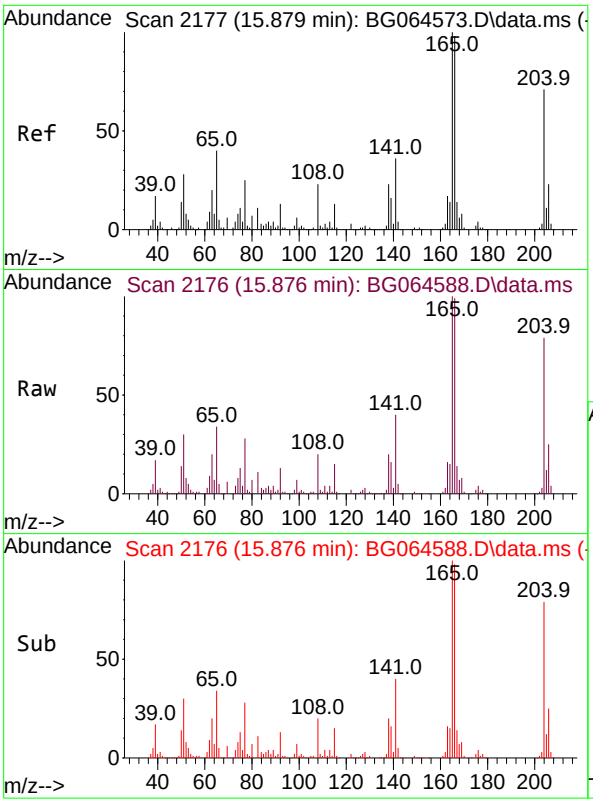


#60
Diethylphthalate
Concen: 42.527 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 405303

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.0	27.0
150	11.8	10.2	15.4

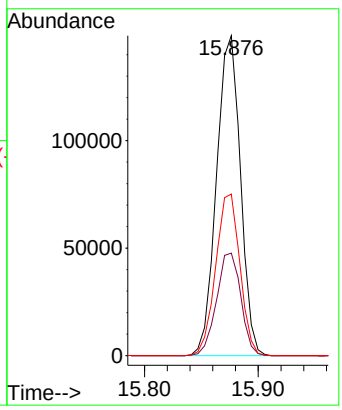




#61
4-Chlorophenyl-phenylether
Concen: 43.433 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:204 Resp: 217094

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.5	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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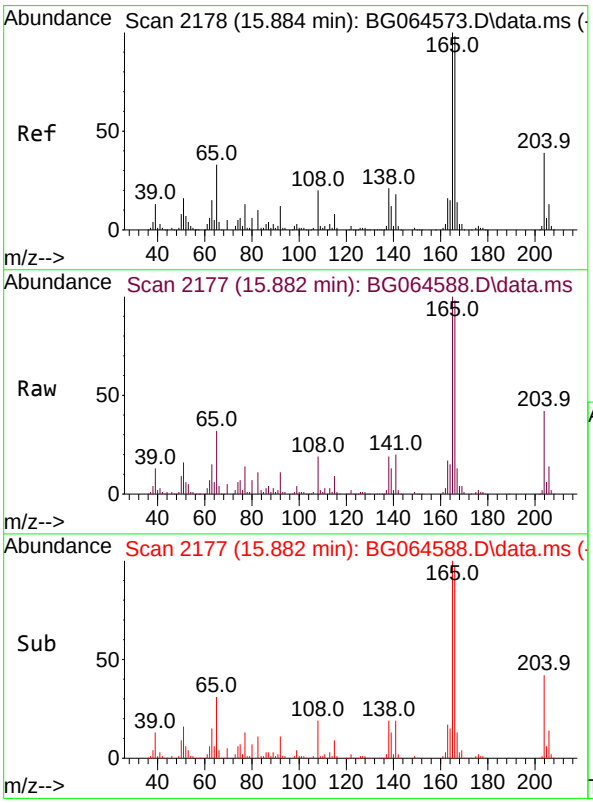
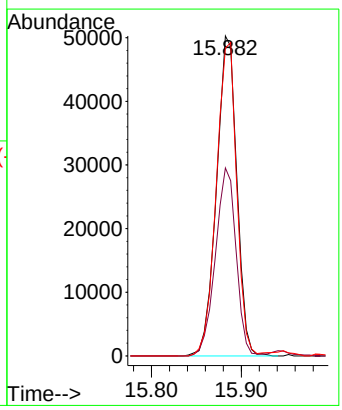
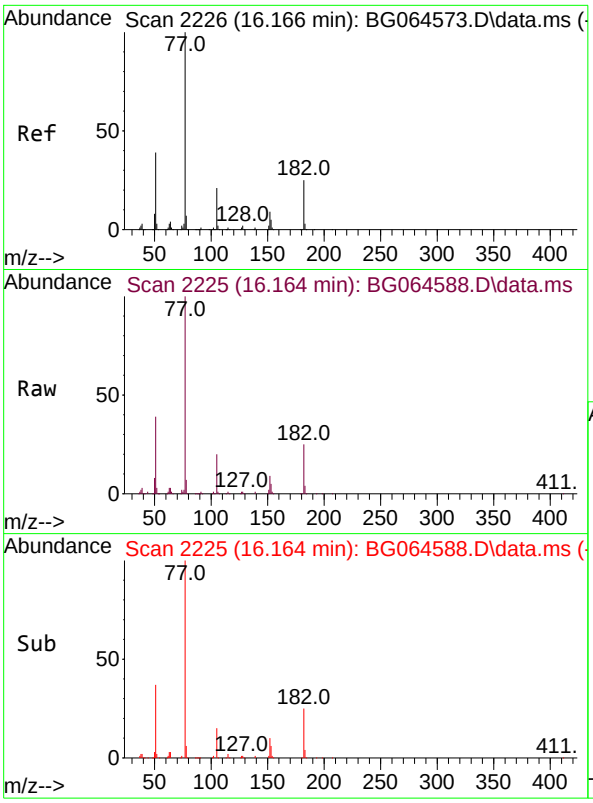


#62
4-Nitroaniline
Concen: 44.270 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:138 Resp: 79004

Ion	Ratio	Lower	Upper
138	100		
92	58.7	36.1	76.1
108	96.2	75.6	115.6

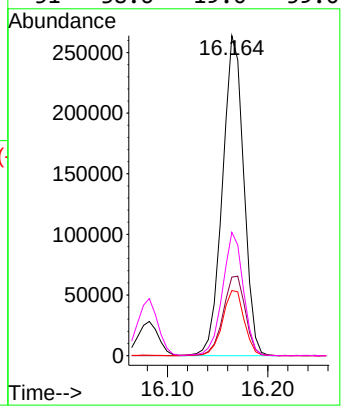




#63
Azobenzene
Concen: 44.473 ng
RT: 16.164 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 77 Resp: 38889

Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.9	44.9
105	20.3	1.3	41.3
51	38.6	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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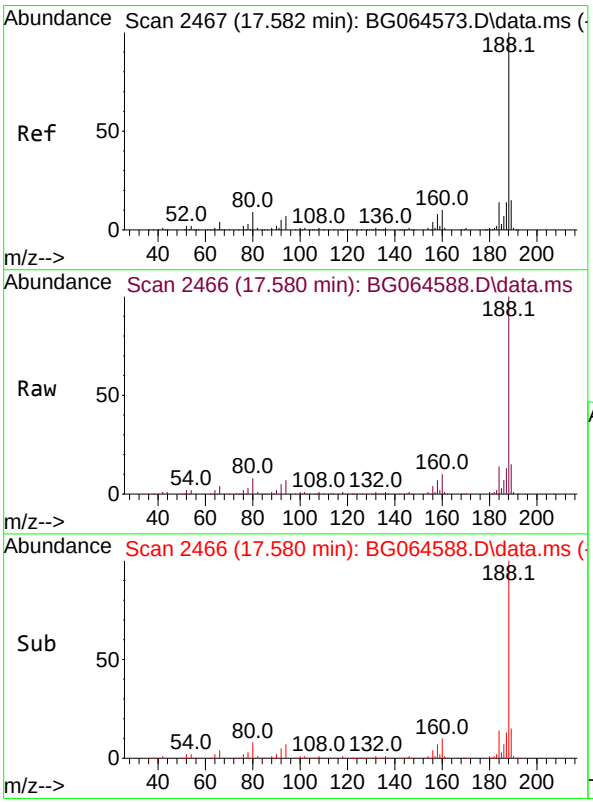
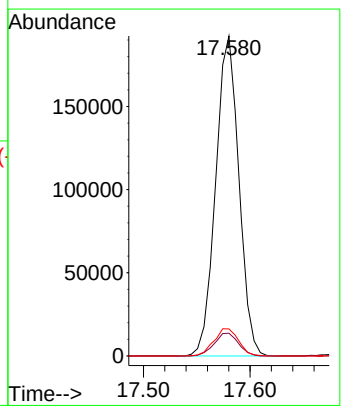
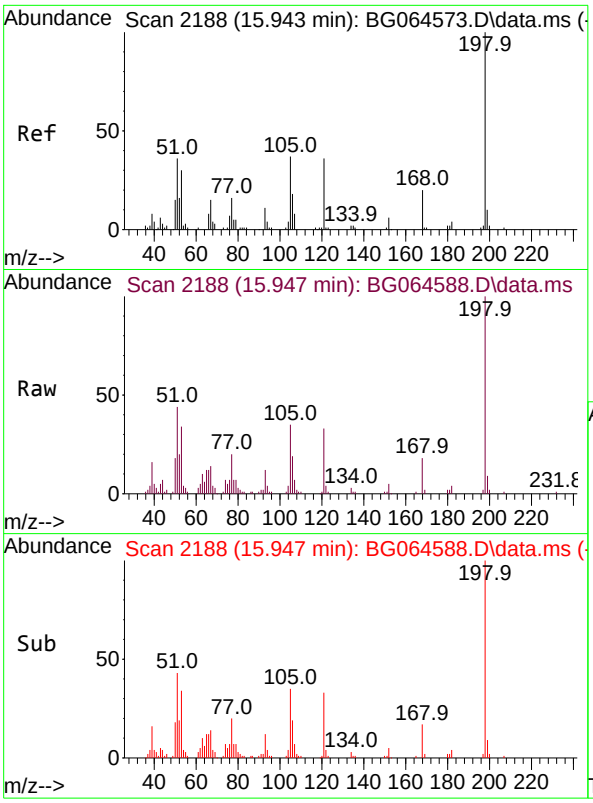


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:188 Resp: 291715

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.4	6.8	10.2

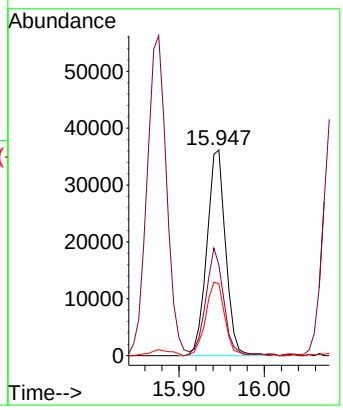




#65
4,6-Dinitro-2-methylphenol
Concen: 43.516 ng
RT: 15.947 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:198 Resp: 5512

Ion	Ratio	Lower	Upper
198	100		
51	44.0	24.7	64.7
105	34.9	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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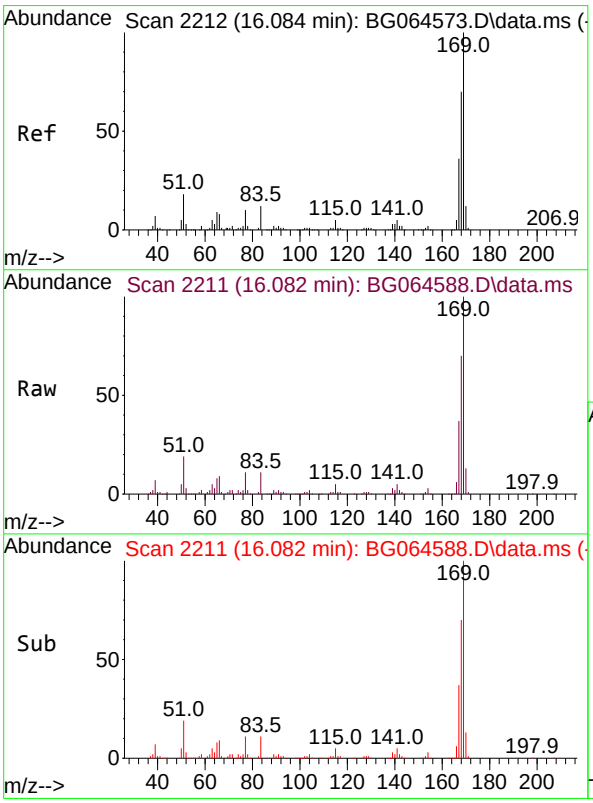
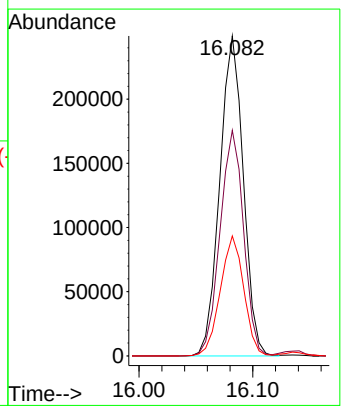
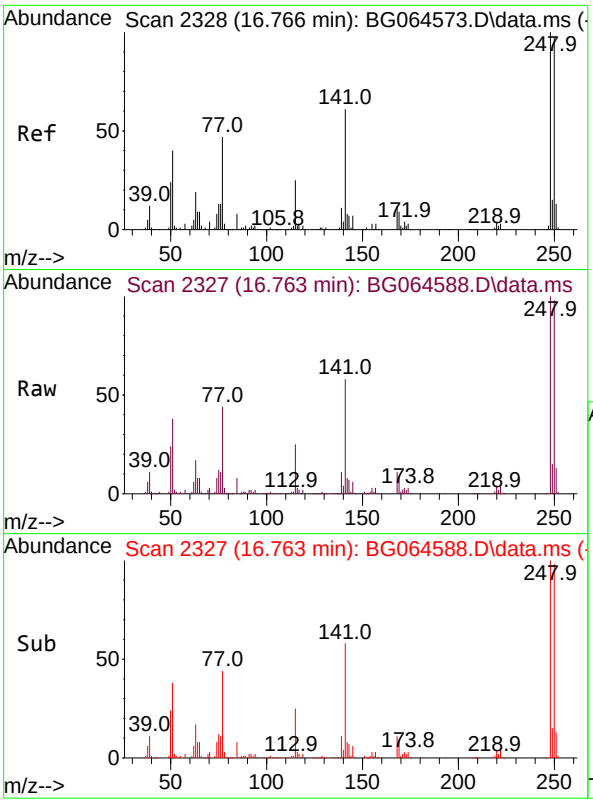


#66
n-Nitrosodiphenylamine
Concen: 45.477 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:169 Resp: 358361

Ion	Ratio	Lower	Upper
169	100		
168	70.5	56.3	84.5
167	37.5	29.0	43.6

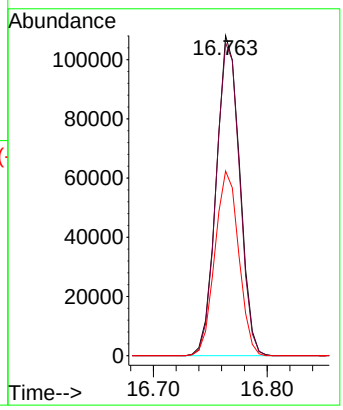




#67
4-Bromophenyl-phenylether
Concen: 44.880 ng
RT: 16.763 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:248 Resp: 15514

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.7	116.5
141	57.7	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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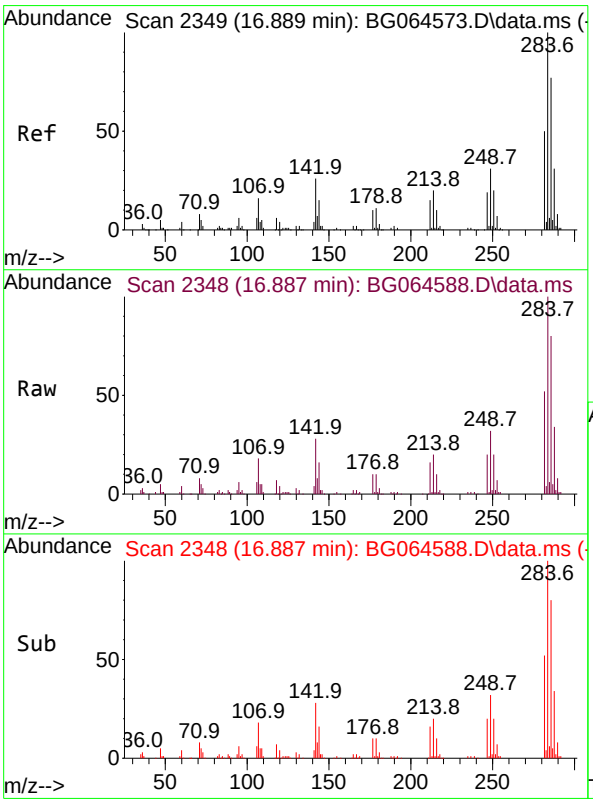
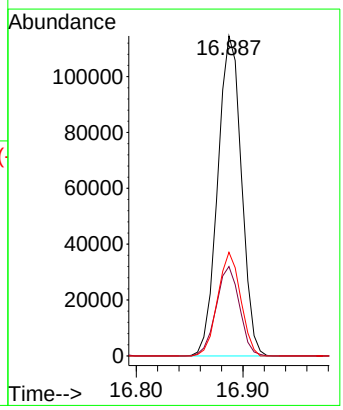
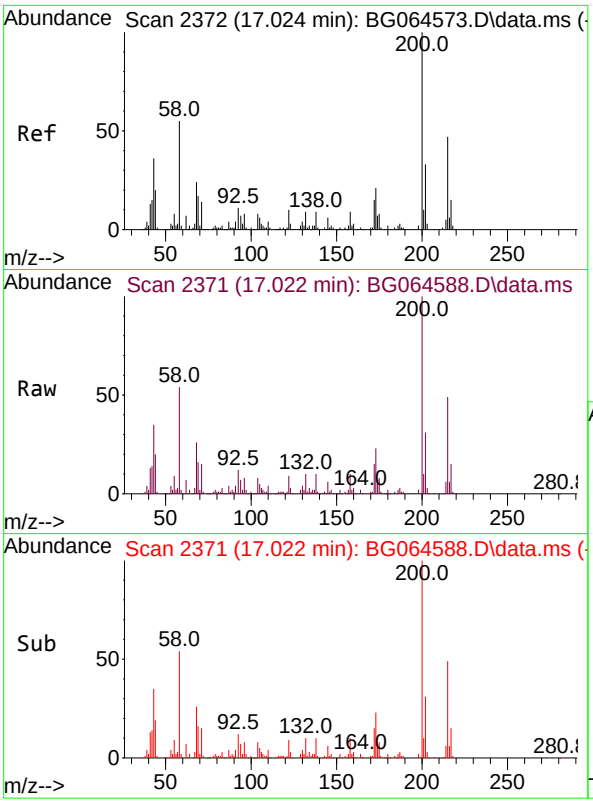


#68
Hexachlorobenzene
Concen: 44.907 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:284 Resp: 177105

Ion	Ratio	Lower	Upper
284	100		
142	27.9	21.0	31.6
249	34.7	24.9	37.3





#69
Atrazine
Concen: 44.030 ng
RT: 17.022 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:200 Resp: 14930

Ion	Ratio	Lower	Upper
200	100		
173	22.6	0.9	40.9
215	49.2	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
PB170246BS

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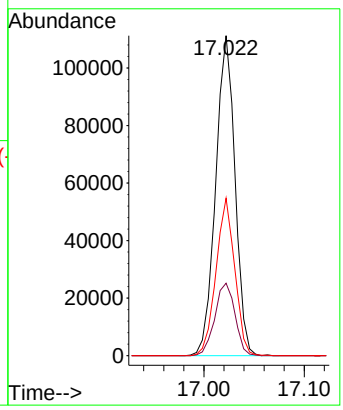
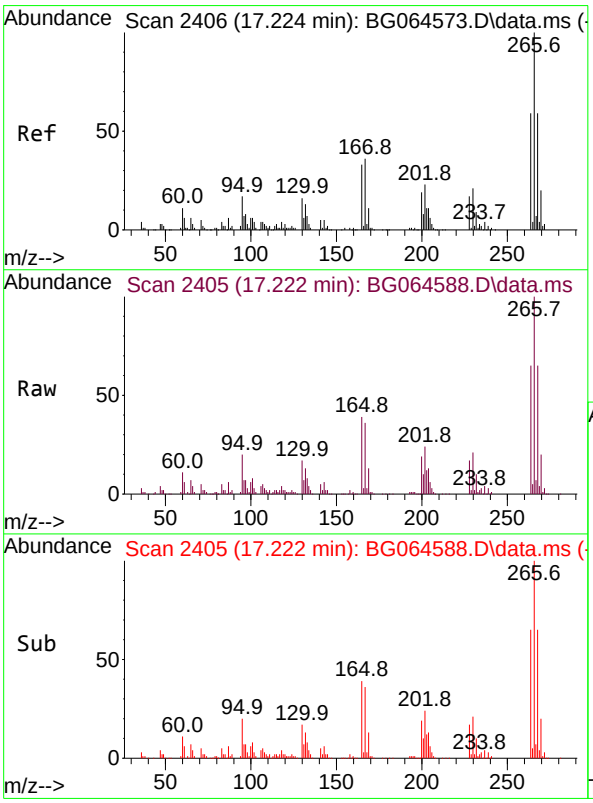
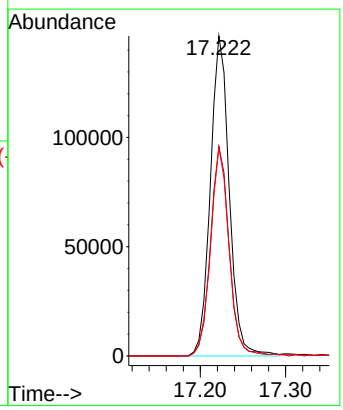


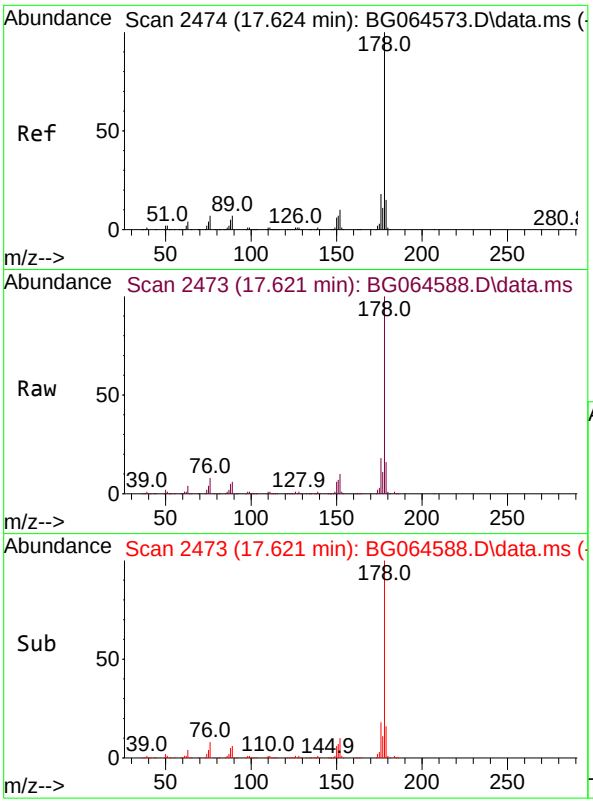


#70
Pentachlorophenol
Concen: 91.605 ng
RT: 17.222 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:266 Resp: 225283

Ion	Ratio	Lower	Upper
266	100		
268	69.8	50.3	75.5
264	70.0	47.3	70.9

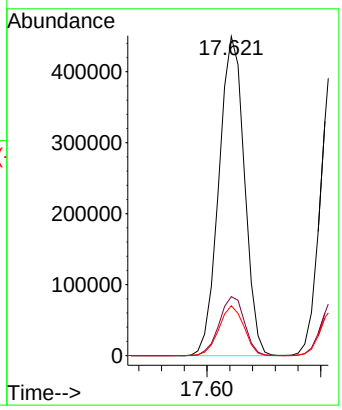




#71
Phenanthrene
Concen: 43.903 ng
RT: 17.621 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:178 Resp: 70036

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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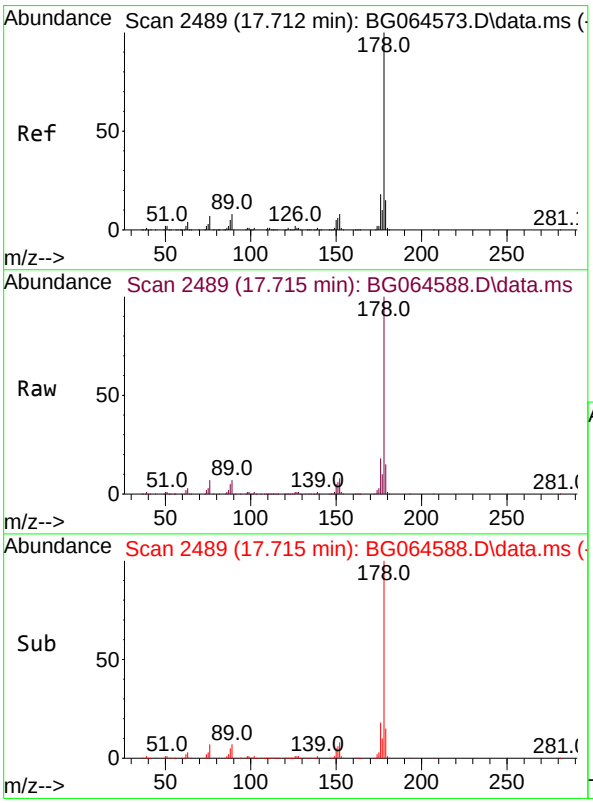
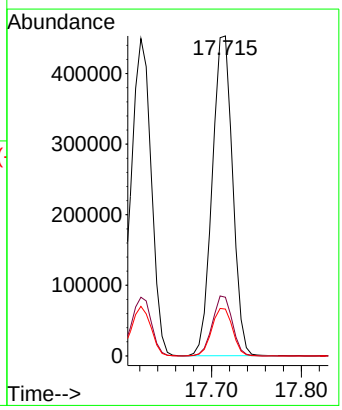
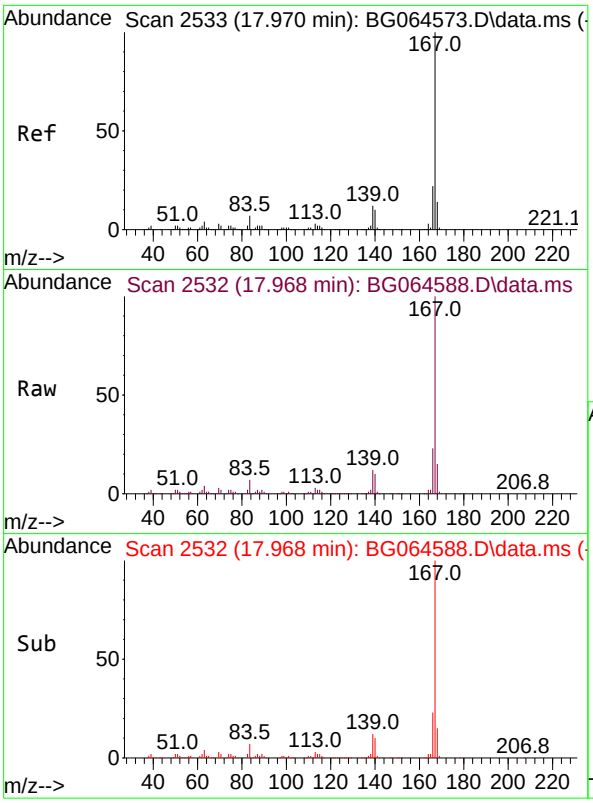


#72
Anthracene
Concen: 44.162 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:178 Resp: 716646

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.4	21.6
179	14.6	12.4	18.6

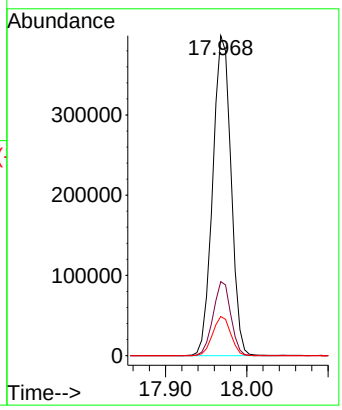




#73
Carbazole
Concen: 43.505 ng
RT: 17.968 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:167 Resp: 62254

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.9	26.9
139	12.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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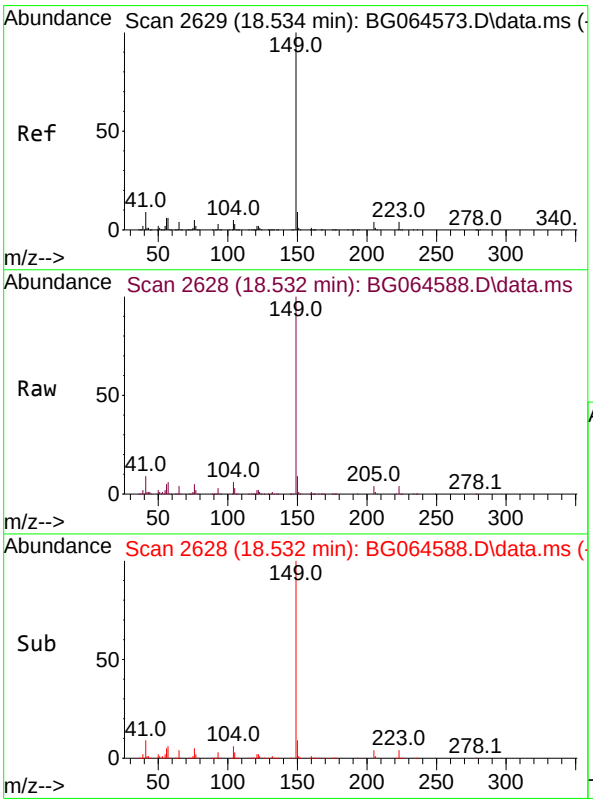
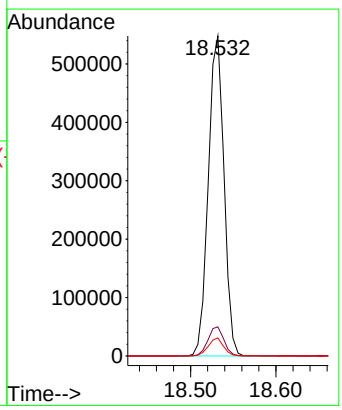
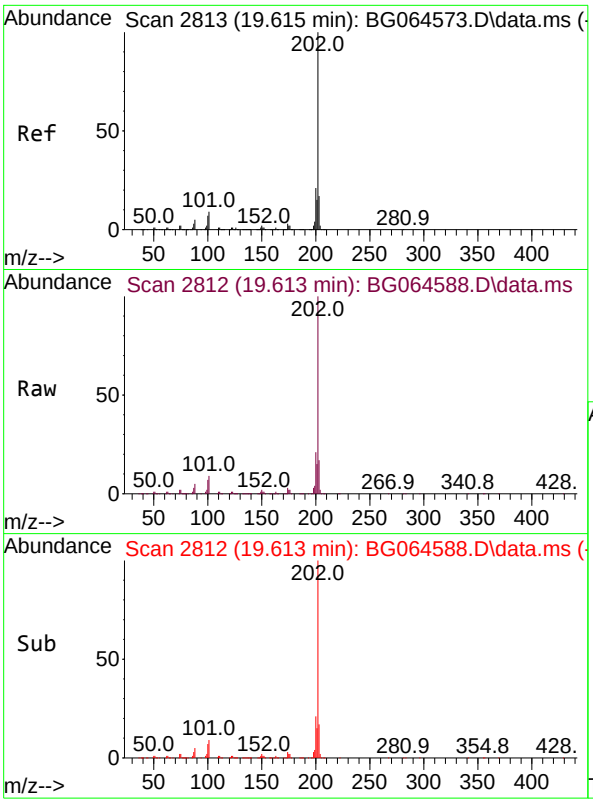


#74
Di-n-butylphthalate
Concen: 42.246 ng
RT: 18.532 min Scan# 2628
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 699059

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	5.6	4.1	6.1

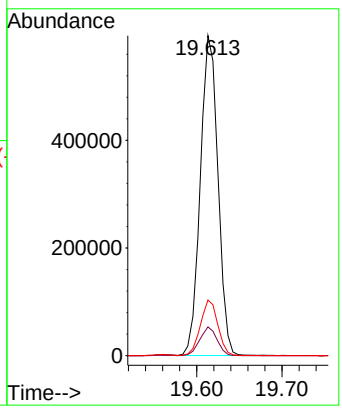




#75
Fluoranthene
Concen: 42.707 ng
RT: 19.613 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:202 Resp: 85348

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.4	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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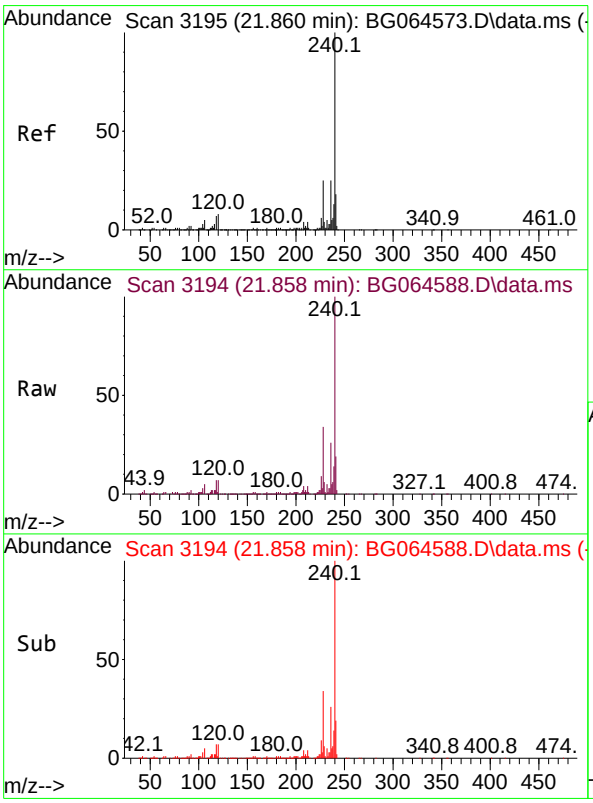
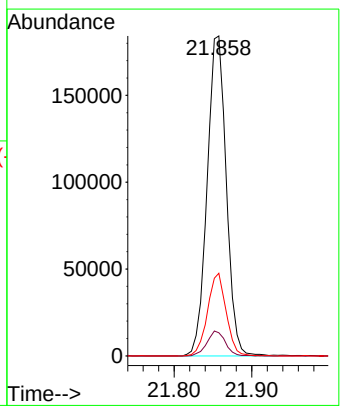
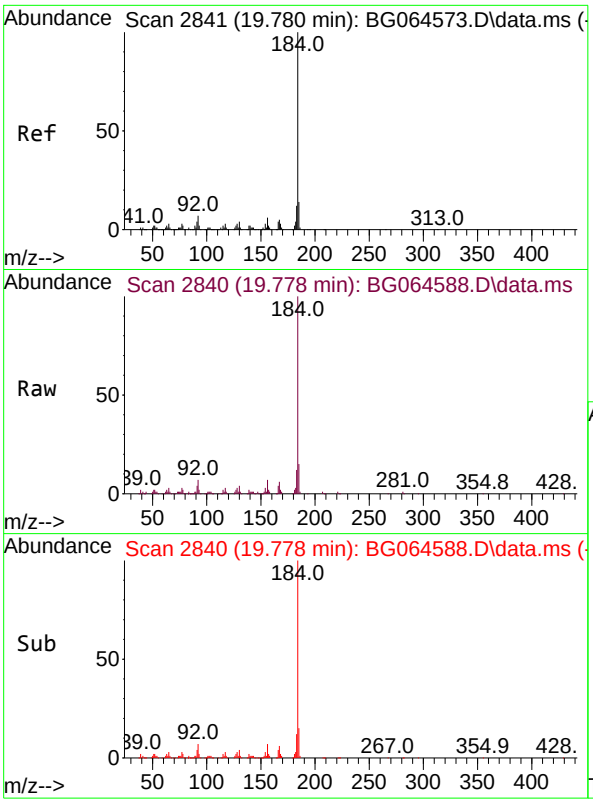


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.858 min Scan# 3194
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:240 Resp: 316000

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.5	9.7
236	25.9	20.2	30.2

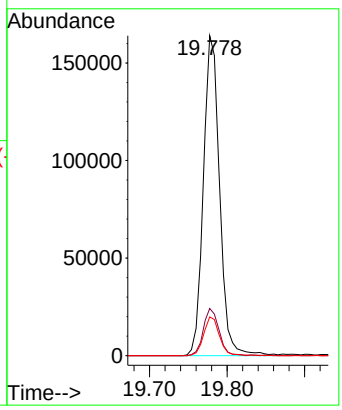




#77
Benzidine
Concen: 33.645 ng
RT: 19.778 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:184 Resp: 238194

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	12.1	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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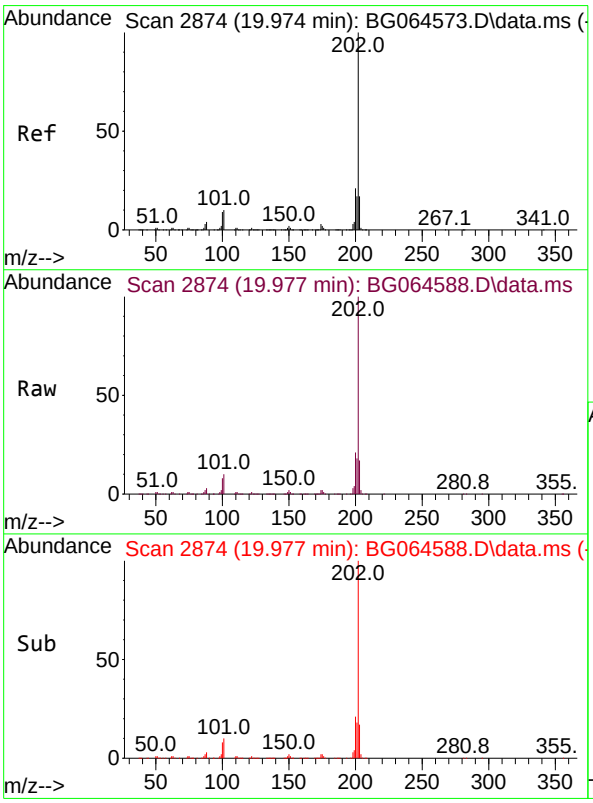
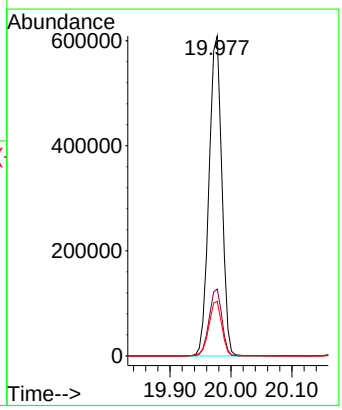
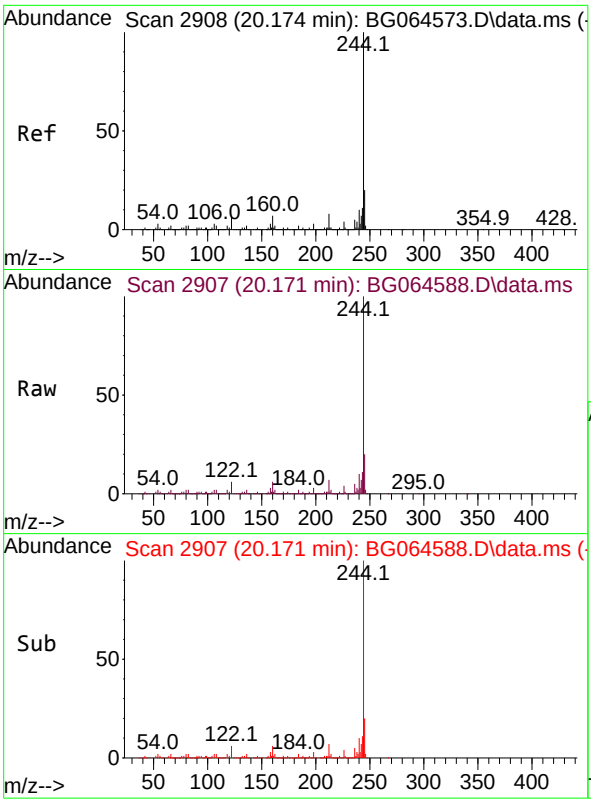


#78
Pyrene
Concen: 43.172 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:202 Resp: 891319

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.0	13.8	20.6





#79
Terphenyl-d14
Concen: 83.132 ng
RT: 20.171 min Scan# 29
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:244 Resp: 139201

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	6.4	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
PB170246BS

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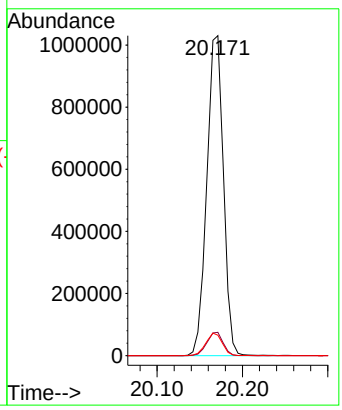
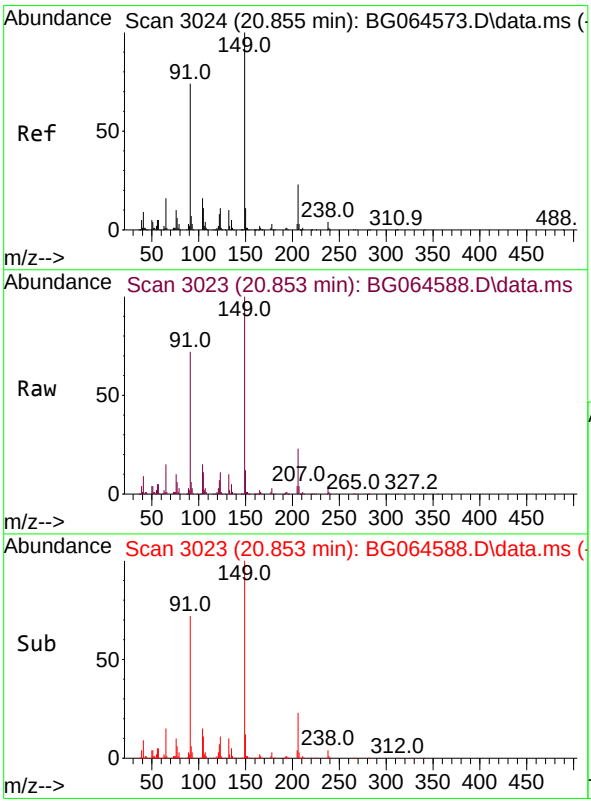
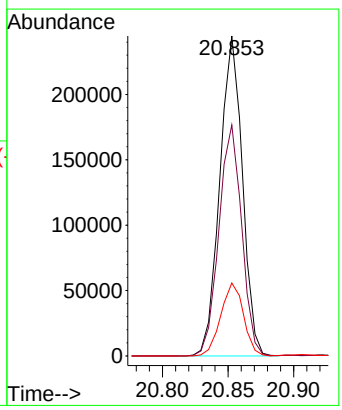


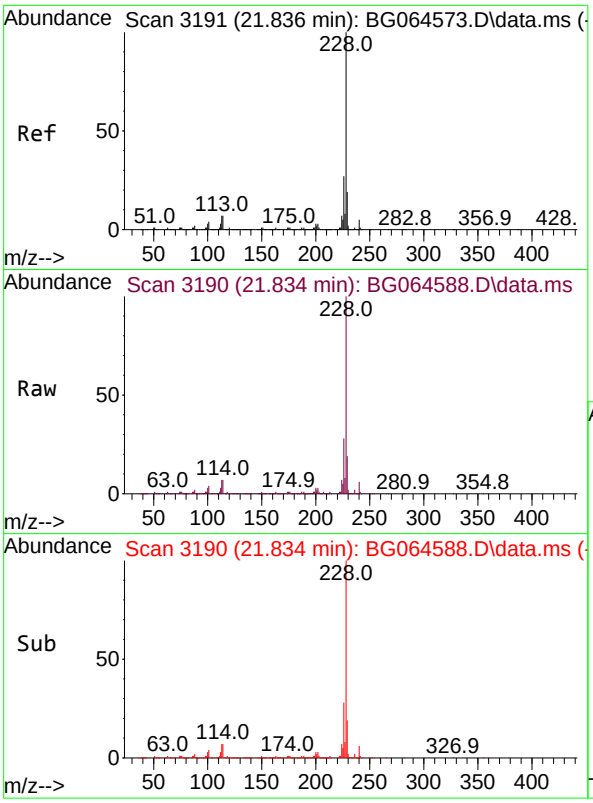


#80
Butylbenzylphthalate
Concen: 47.053 ng
RT: 20.853 min Scan# 3023
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 293608

Ion	Ratio	Lower	Upper
149	100		
91	72.2	59.2	88.8
206	22.8	18.1	27.1

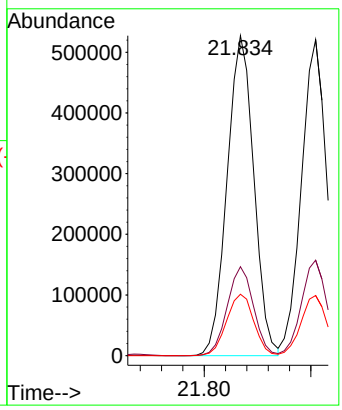




#81
Benzo(a)anthracene
Concen: 43.865 ng
RT: 21.834 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:228 Resp: 91908

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	19.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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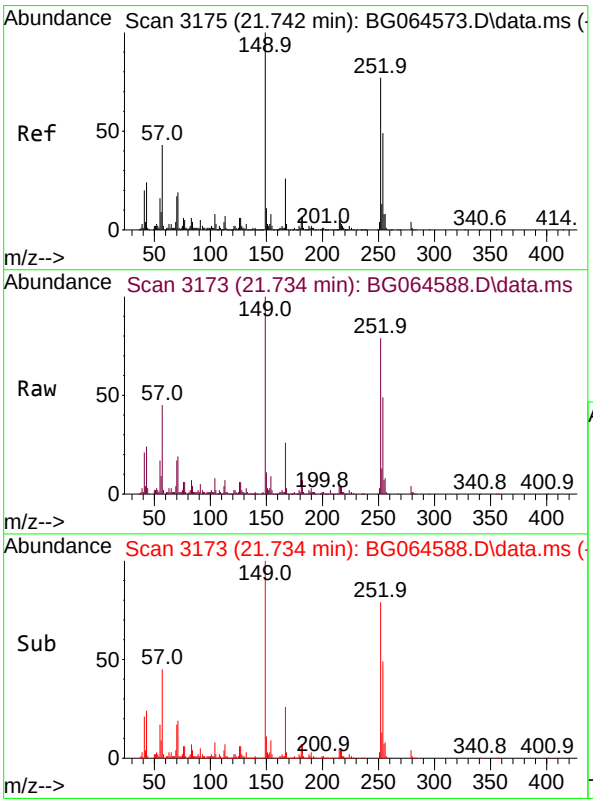
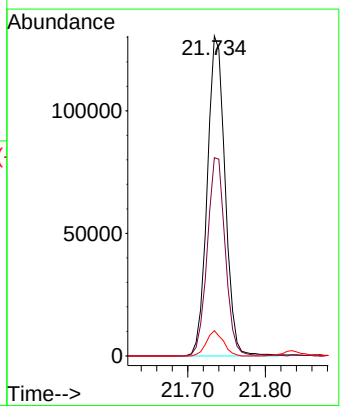
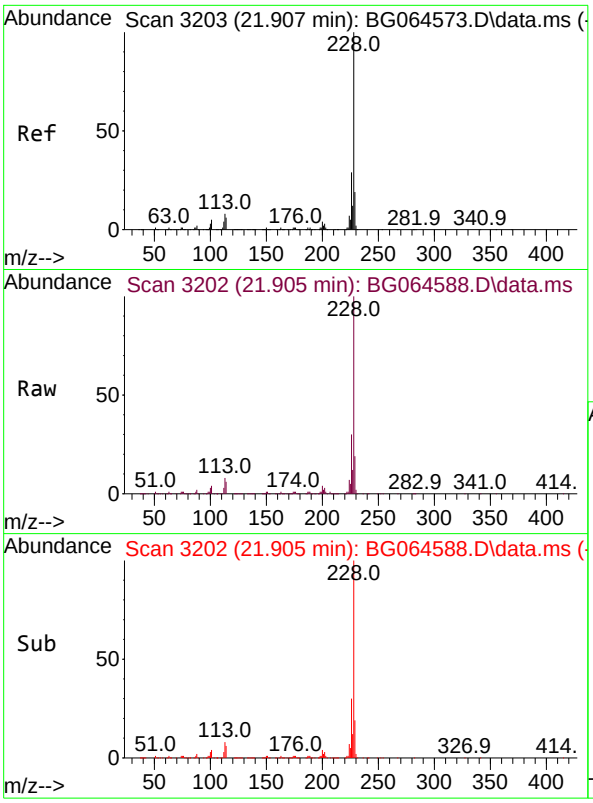


#82
3,3'-Dichlorobenzidine
Concen: 29.736 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:252 Resp: 208055

Ion	Ratio	Lower	Upper
252	100		
254	61.9	50.8	76.2
126	7.9	5.8	8.6

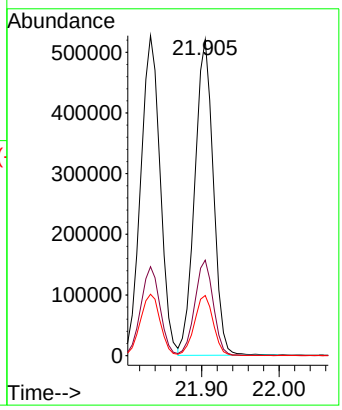




#83
Chrysene
Concen: 43.293 ng
RT: 21.905 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:228 Resp: 86311

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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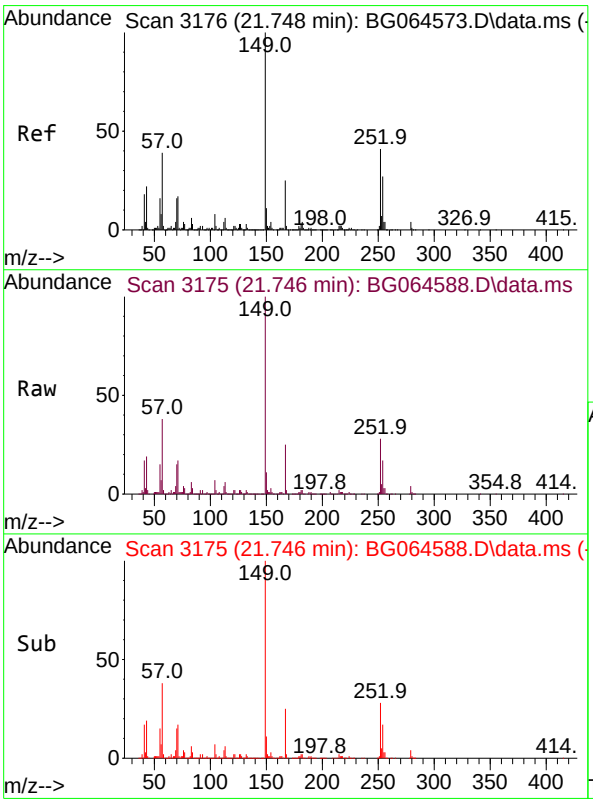
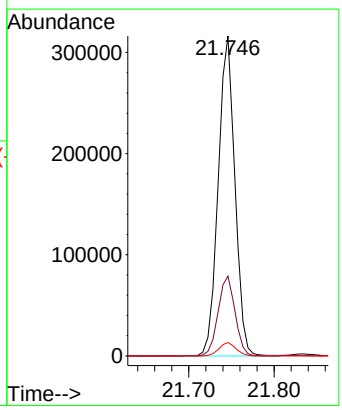
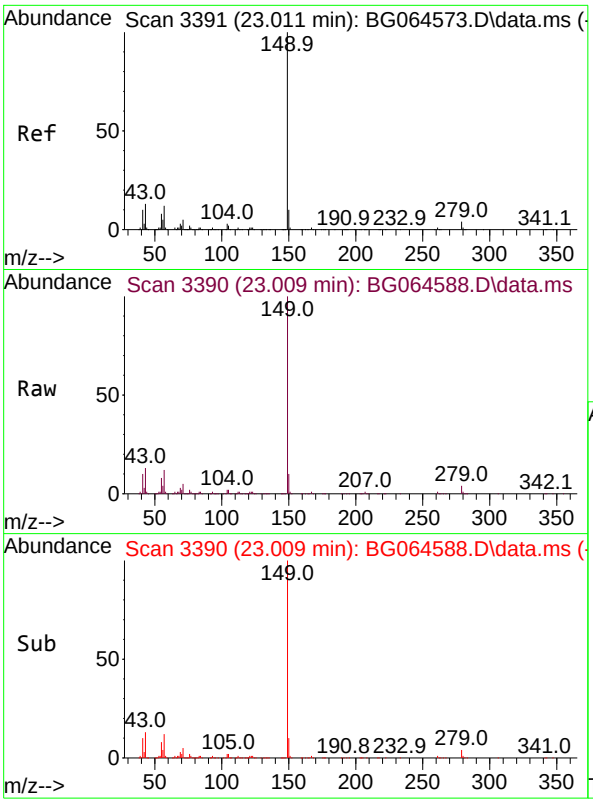


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.088 ng
RT: 21.746 min Scan# 3175
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 429718

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.0	30.0
279	4.2	3.1	4.7

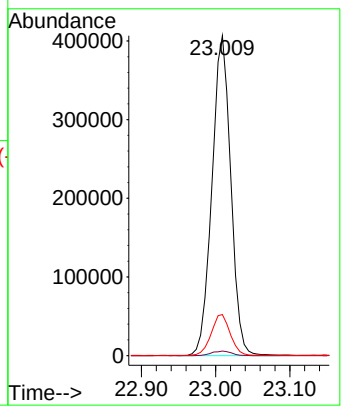




#85
Di-n-octyl phthalate
Concen: 45.576 ng
RT: 23.009 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 71644

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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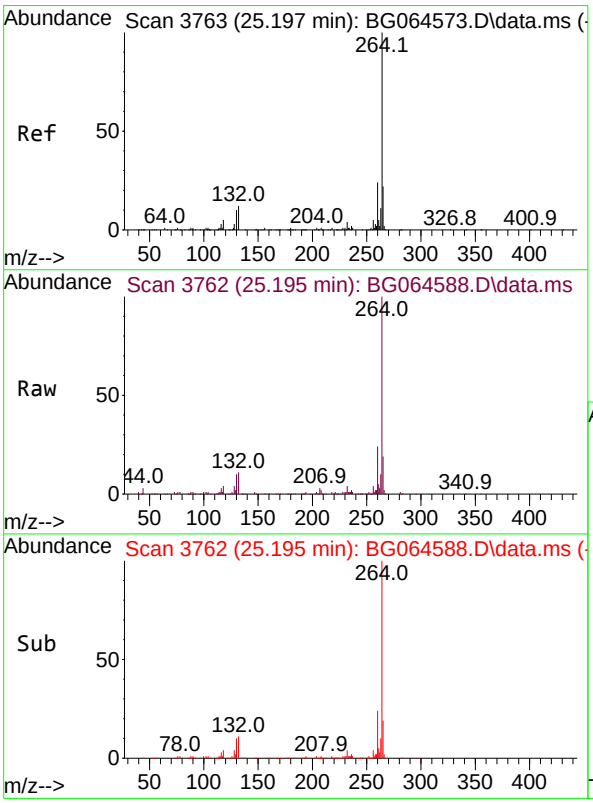
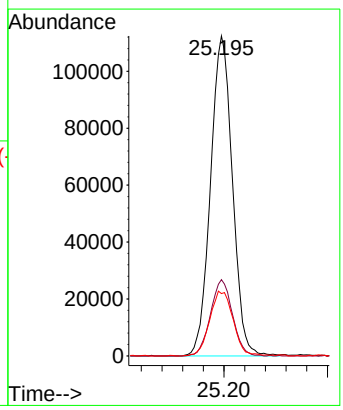
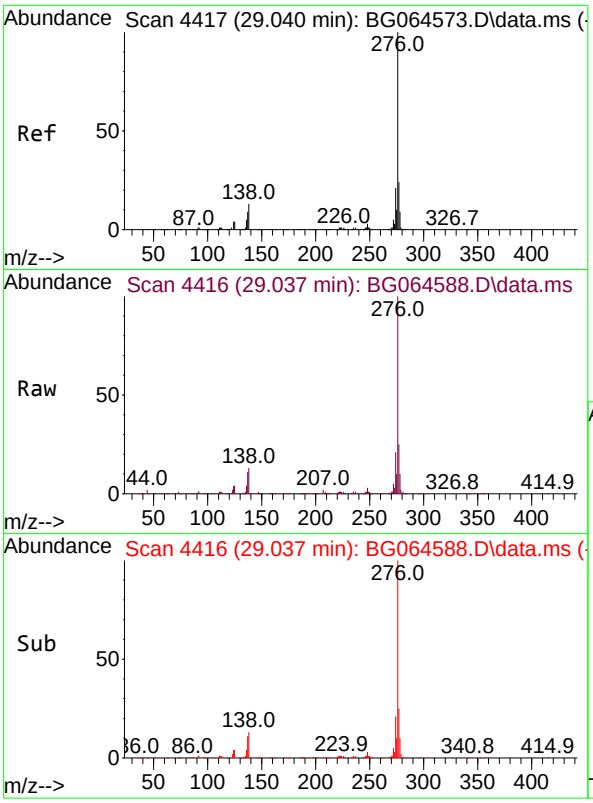


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 3762
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:264 Resp: 331099

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	19.5	17.6	26.4

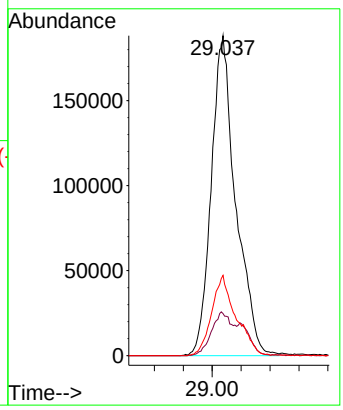




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.376 ng
RT: 29.037 min Scan# 44
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:276 Resp: 110520

Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
PB170246BS

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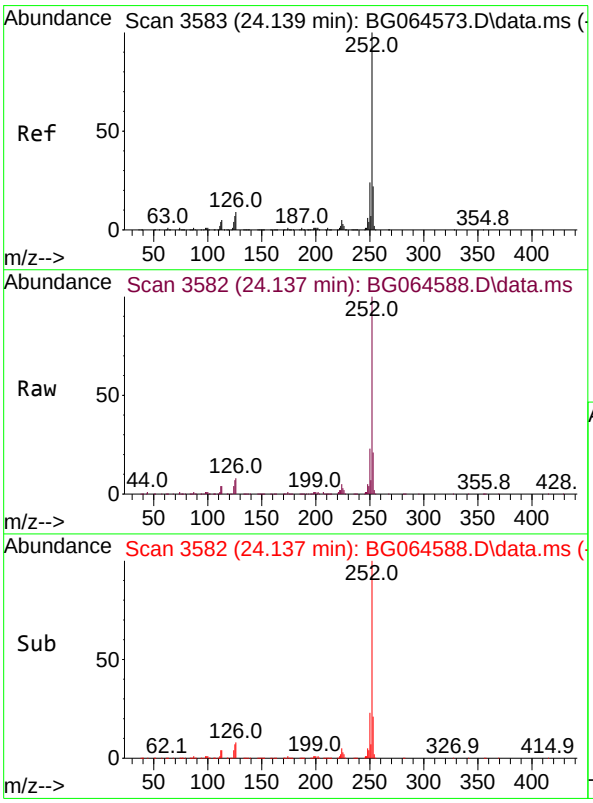
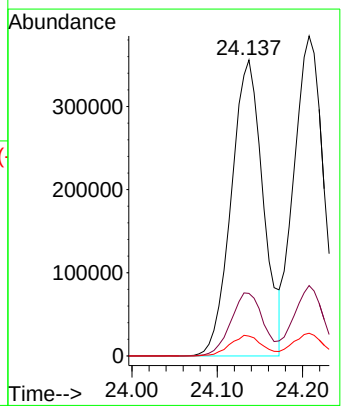
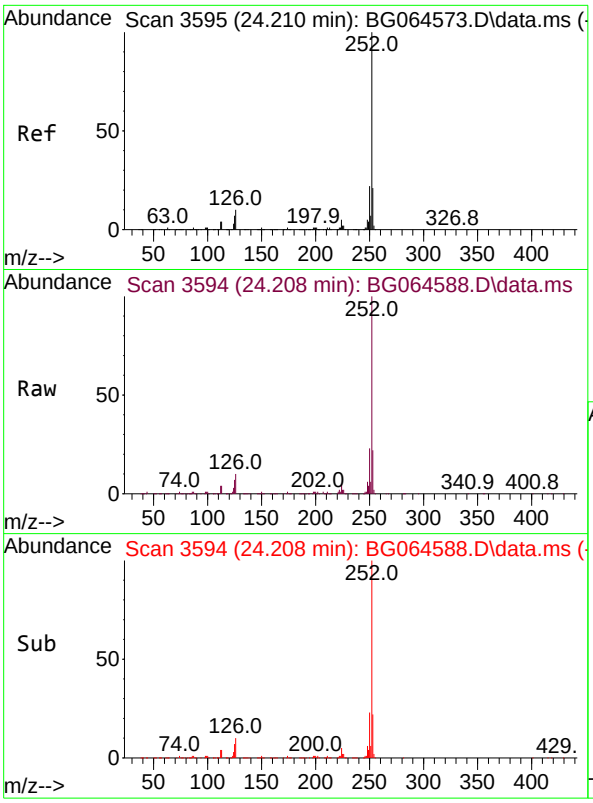


#88
Benzo(b)fluoranthene
Concen: 45.627 ng
RT: 24.137 min Scan# 3582
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:252 Resp: 926358

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.8
125	6.7	5.6	8.4





#89
Benzo(k)fluoranthene
Concen: 45.574 ng
RT: 24.208 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Tgt Ion:252 Resp: 92593

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.8	25.2
125	7.1	5.4	8.0

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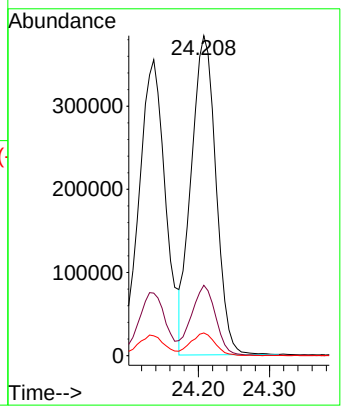
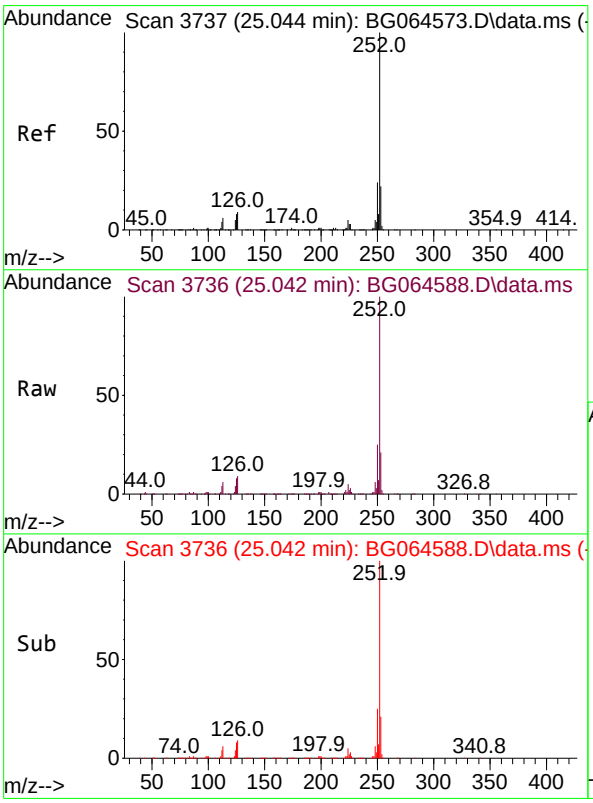
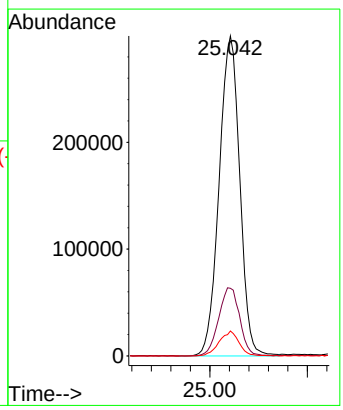


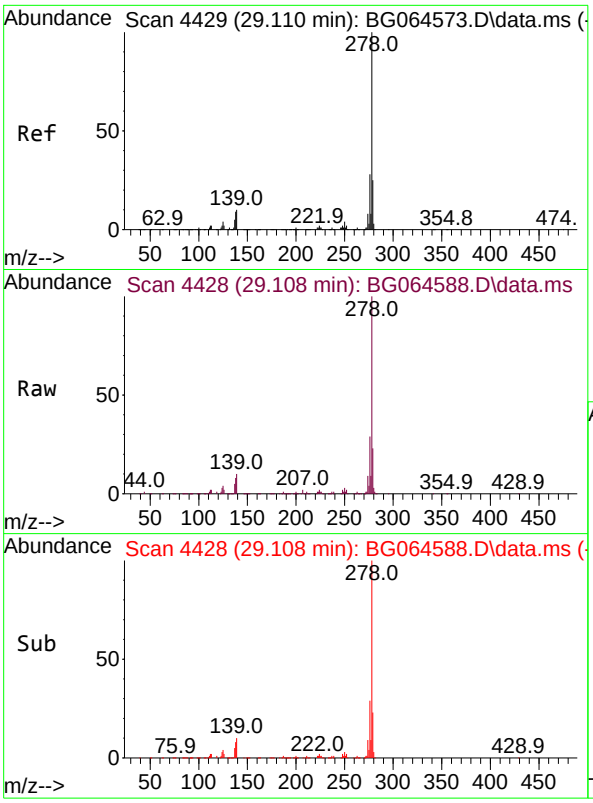


#90
Benzo(a)pyrene
Concen: 47.081 ng
RT: 25.042 min Scan# 3736
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:252 Resp: 878664

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	7.8	6.1	9.1

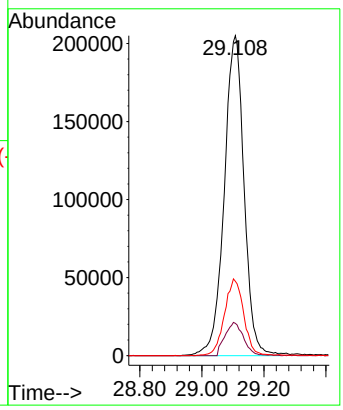




#91
Dibenzo(a,h)anthracene
Concen: 45.909 ng
RT: 29.108 min Scan# 44
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:278 Resp: 90844

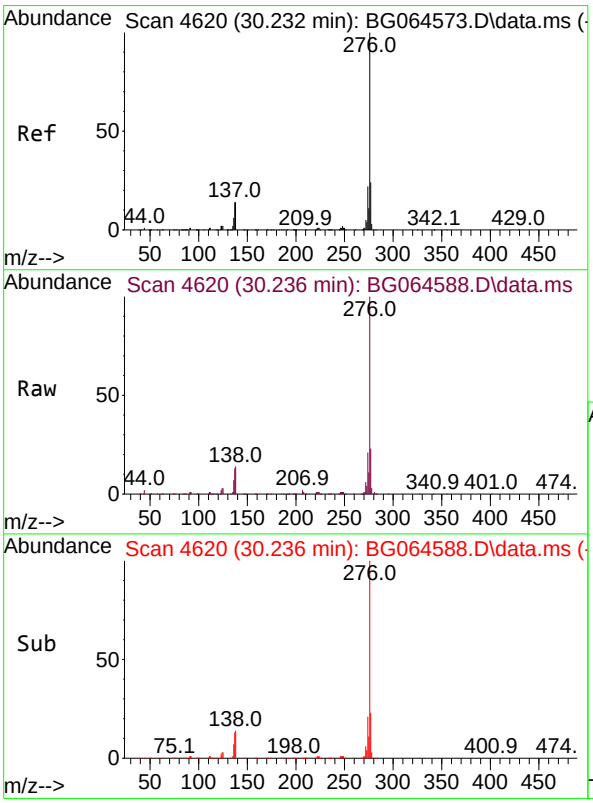
Ion	Ratio	Lower	Upper
278	100		
139	10.1	8.0	12.0
279	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
PB170246BS

Manual Integrations
APPROVED

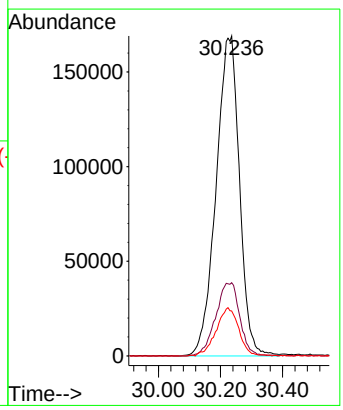
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 46.729 ng
RT: 30.236 min Scan# 4620
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:276 Resp: 883313

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	14.0	11.3	16.9



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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MS			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	770		1	100	220	ug/Kg	10/27/25 17:25	PB170246
108-95-2	Phenol	1100		1	14.5	110	ug/Kg	10/27/25 17:25	PB170246
111-44-4	bis(2-Chloroethyl)ether	980		1	16.0	110	ug/Kg	10/27/25 17:25	PB170246
95-57-8	2-Chlorophenol	1200		1	16.0	110	ug/Kg	10/27/25 17:25	PB170246
95-48-7	2-Methylphenol	1100		1	19.6	110	ug/Kg	10/27/25 17:25	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	1000		1	24.6	110	ug/Kg	10/27/25 17:25	PB170246
98-86-2	Acetophenone	1200		1	19.4	110	ug/Kg	10/27/25 17:25	PB170246
65794-96-9	3+4-Methylphenols	1100		1	27.0	220	ug/Kg	10/27/25 17:25	PB170246
621-64-7	n-Nitroso-di-n-propylamine	1100		1	31.1	52.6	ug/Kg	10/27/25 17:25	PB170246
67-72-1	Hexachloroethane	1000		1	11.6	110	ug/Kg	10/27/25 17:25	PB170246
98-95-3	Nitrobenzene	1100		1	12.0	110	ug/Kg	10/27/25 17:25	PB170246
78-59-1	Isophorone	1000		1	21.6	110	ug/Kg	10/27/25 17:25	PB170246
88-75-5	2-Nitrophenol	1100		1	38.2	110	ug/Kg	10/27/25 17:25	PB170246
105-67-9	2,4-Dimethylphenol	1300		1	42.6	110	ug/Kg	10/27/25 17:25	PB170246
111-91-1	bis(2-Chloroethoxy)methane	1100		1	20.2	110	ug/Kg	10/27/25 17:25	PB170246
120-83-2	2,4-Dichlorophenol	1200		1	18.6	110	ug/Kg	10/27/25 17:25	PB170246
91-20-3	Naphthalene	1000		1	14.9	110	ug/Kg	10/27/25 17:25	PB170246
106-47-8	4-Chloroaniline	280		1	23.3	110	ug/Kg	10/27/25 17:25	PB170246
87-68-3	Hexachlorobutadiene	1000		1	16.6	110	ug/Kg	10/27/25 17:25	PB170246
105-60-2	Caprolactam	990		1	34.2	220	ug/Kg	10/27/25 17:25	PB170246
59-50-7	4-Chloro-3-methylphenol	1100		1	18.9	110	ug/Kg	10/27/25 17:25	PB170246
91-57-6	2-Methylnaphthalene	970		1	16.8	110	ug/Kg	10/27/25 17:25	PB170246
77-47-4	Hexachlorocyclopentadiene	3000	E	1	76.2	220	ug/Kg	10/27/25 17:25	PB170246
88-06-2	2,4,6-Trichlorophenol	1200		1	13.0	110	ug/Kg	10/27/25 17:25	PB170246
95-95-4	2,4,5-Trichlorophenol	1200		1	19.1	110	ug/Kg	10/27/25 17:25	PB170246
92-52-4	1,1-Biphenyl	1200		1	14.3	110	ug/Kg	10/27/25 17:25	PB170246
91-58-7	2-Chloronaphthalene	1100		1	14.8	110	ug/Kg	10/27/25 17:25	PB170246
88-74-4	2-Nitroaniline	1100		1	31.6	110	ug/Kg	10/27/25 17:25	PB170246
131-11-3	Dimethylphthalate	1000		1	17.8	110	ug/Kg	10/27/25 17:25	PB170246
208-96-8	Acenaphthylene	1200		1	19.0	110	ug/Kg	10/27/25 17:25	PB170246
606-20-2	2,6-Dinitrotoluene	1200		1	22.1	110	ug/Kg	10/27/25 17:25	PB170246
99-09-2	3-Nitroaniline	590		1	30.2	110	ug/Kg	10/27/25 17:25	PB170246
83-32-9	Acenaphthene	1100		1	14.0	110	ug/Kg	10/27/25 17:25	PB170246
51-28-5	2,4-Dinitrophenol	2100	E	1	150	220	ug/Kg	10/27/25 17:25	PB170246
100-02-7	4-Nitrophenol	2300	E	1	70.3	220	ug/Kg	10/27/25 17:25	PB170246
132-64-9	Dibenzofuran	1100		1	14.9	110	ug/Kg	10/27/25 17:25	PB170246
121-14-2	2,4-Dinitrotoluene	1100		1	32.9	110	ug/Kg	10/27/25 17:25	PB170246
84-66-2	Diethylphthalate	1000		1	18.6	110	ug/Kg	10/27/25 17:25	PB170246
7005-72-3	4-Chlorophenyl-phenylether	1100		1	17.5	110	ug/Kg	10/27/25 17:25	PB170246
86-73-7	Fluorene	1100		1	16.6	110	ug/Kg	10/27/25 17:25	PB170246
100-01-6	4-Nitroaniline	1100		1	42.2	110	ug/Kg	10/27/25 17:25	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	67.7	220	ug/Kg	10/27/25 17:25	PB170246

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MS			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1100		1	21.6	110	ug/Kg	10/27/25 17:25	PB170246
101-55-3	4-Bromophenyl-phenylether	1100		1	18.3	110	ug/Kg	10/27/25 17:25	PB170246
118-74-1	Hexachlorobenzene	1100		1	16.6	110	ug/Kg	10/27/25 17:25	PB170246
1912-24-9	Atrazine	1100		1	22.3	110	ug/Kg	10/27/25 17:25	PB170246
87-86-5	Pentachlorophenol	2300	E	1	33.7	220	ug/Kg	10/27/25 17:25	PB170246
85-01-8	Phenanthrene	1100		1	13.7	110	ug/Kg	10/27/25 17:25	PB170246
120-12-7	Anthracene	1100		1	21.9	110	ug/Kg	10/27/25 17:25	PB170246
86-74-8	Carbazole	1100		1	20.5	110	ug/Kg	10/27/25 17:25	PB170246
84-74-2	Di-n-butylphthalate	1000		1	31.5	110	ug/Kg	10/27/25 17:25	PB170246
206-44-0	Fluoranthene	1000		1	19.7	110	ug/Kg	10/27/25 17:25	PB170246
129-00-0	Pyrene	1100		1	23.7	110	ug/Kg	10/27/25 17:25	PB170246
85-68-7	Butylbenzylphthalate	1200		1	46.9	110	ug/Kg	10/27/25 17:25	PB170246
91-94-1	3,3-Dichlorobenzidine	470		1	24.1	220	ug/Kg	10/27/25 17:25	PB170246
56-55-3	Benzo(a)anthracene	1100		1	15.1	110	ug/Kg	10/27/25 17:25	PB170246
218-01-9	Chrysene	1100		1	13.1	110	ug/Kg	10/27/25 17:25	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	1100		1	38.9	110	ug/Kg	10/27/25 17:25	PB170246
117-84-0	Di-n-octyl phthalate	1200		1	57.0	220	ug/Kg	10/27/25 17:25	PB170246
205-99-2	Benzo(b)fluoranthene	1100		1	12.5	110	ug/Kg	10/27/25 17:25	PB170246
207-08-9	Benzo(k)fluoranthene	1100		1	14.7	110	ug/Kg	10/27/25 17:25	PB170246
50-32-8	Benzo(a)pyrene	1100		1	19.4	110	ug/Kg	10/27/25 17:25	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	1100		1	19.1	110	ug/Kg	10/27/25 17:25	PB170246
53-70-3	Dibenzo(a,h)anthracene	1100		1	18.0	110	ug/Kg	10/27/25 17:25	PB170246
191-24-2	Benzo(g,h,i)perylene	1100		1	16.9	110	ug/Kg	10/27/25 17:25	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		1	16.8	110	ug/Kg	10/27/25 17:25	PB170246
123-91-1	1,4-Dioxane	840		1	29.7	110	ug/Kg	10/27/25 17:25	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	1200		1	18.0	110	ug/Kg	10/27/25 17:25	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	102			18 - 112	68%	SPK: 150		
13127-88-3	Phenol-d6	97.4			15 - 107	65%	SPK: 150		
4165-60-0	Nitrobenzene-d5	64.9			18 - 107	65%	SPK: 100		
321-60-8	2-Fluorobiphenyl	61.0			20 - 109	61%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	101			10 - 116	67%	SPK: 150		
1718-51-0	Terphenyl-d14	61.3			10 - 105	61%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	38200							
1146-65-2	Naphthalene-d8	155000							
15067-26-2	Acenaphthene-d10	119000							
1517-22-2	Phenanthrene-d10	281000							
1719-03-5	Chrysene-d12	304000							
1520-96-3	Perylene-d12	332000							

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MS			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064591.D
Acq On : 27 Oct 2025 17:25
Operator : RC/JU
Sample : Q3439-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 01:21:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	38243	20.000	ng		0.00
21) Naphthalene-d8	11.043	136	154553	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	118865	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	281370	20.000	ng		0.00
76) Chrysene-d12	21.854	240	304154	20.000	ng		0.00
86) Perylene-d12	25.197	264	332284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	232916	102.227	ng		0.00
7) Phenol-d6	7.354	99	304372	97.354	ng		0.00
23) Nitrobenzene-d5	9.381	82	167086	64.933	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	173458	101.108	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	478406	61.005	ng		0.00
79) Terphenyl-d14	20.168	244	988689	61.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.582	88	38664	38.330	ng		98
3) Pyridine	3.993	79	105787	34.923	ng		98
4) n-Nitrosodimethylamine	3.899	42	70692	43.518	ng		97
6) Aniline	7.530	93	111165	26.130	ng		98
8) 2-Chlorophenol	7.777	128	126517	53.051	ng		100
9) Benzaldehyde	7.336	77	59919	35.105	ng		95
10) Phenol	7.377	94	176658	51.093	ng		97
11) bis(2-Chloroethyl)ether	7.624	93	113991	44.841	ng		98
12) 1,3-Dichlorobenzene	8.111	146	131825	48.027	ng		96
13) 1,4-Dichlorobenzene	8.252	146	135732	48.633	ng		96
14) 1,2-Dichlorobenzene	8.576	146	127704	47.439	ng		97
15) Benzyl Alcohol	8.446	79	130048	50.443	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.746	45	308901	46.325	ng		99
17) 2-Methylphenol	8.646	107	119631	52.112	ng		98
18) Hexachloroethane	9.322	117	46568	47.547	ng		98
19) n-Nitroso-di-n-propyla...	9.028	70	103937	48.103	ng		97
20) 3+4-Methylphenols	8.975	107	159656	49.453	ng		98
22) Acetophenone	9.040	105	223522	52.906	ng	#	100
24) Nitrobenzene	9.422	77	144109	51.490	ng		99
25) Isophorone	9.956	82	291079	47.142	ng		99
26) 2-Nitrophenol	10.144	139	52682	48.735	ng		94
27) 2,4-Dimethylphenol	10.191	122	131410	57.216	ng		98
28) bis(2-Chloroethoxy)met...	10.432	93	168975	48.065	ng		98
29) 2,4-Dichlorophenol	10.679	162	132000	53.404	ng		99
30) 1,2,4-Trichlorobenzene	10.902	180	143468	51.085	ng		99
31) Naphthalene	11.096	128	408198	47.637	ng		100
32) Benzoic acid	10.327	122	91977	51.841	ng		94
33) 4-Chloroaniline	11.184	127	42274	12.693	ng		98
34) Hexachlorobutadiene	11.390	225	103827	47.273	ng		92
35) Caprolactam	11.948	113	42756m	45.101	ng		
36) 4-Chloro-3-methylphenol	12.295	107	150753	50.740	ng		99
37) 2-Methylnaphthalene	12.688	142	277925	44.177	ng		98
38) 1-Methylnaphthalene	12.906	142	288664	46.349	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	216203	54.197	ng		99
41) Hexachlorocyclopentadiene	13.035	237	244687	136.273	ng		98
43) 2,4,6-Trichlorophenol	13.276	196	126708	55.528	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064591.D
Acq On : 27 Oct 2025 17:25
Operator : RC/JU
Sample : Q3439-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 01:21:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	139830	53.102	ng		99
46) 1,1'-Biphenyl	13.681	154	458987	54.315	ng		98
47) 2-Chloronaphthalene	13.728	162	310665	48.704	ng		99
48) 2-Nitroaniline	13.911	65	105234	49.067	ng		96
49) Acenaphthylene	14.569	152	560025	55.662	ng		98
50) Dimethylphthalate	14.287	163	435033	47.829	ng		99
51) 2,6-Dinitrotoluene	14.398	165	82691	54.626	ng		97
52) Acenaphthene	14.909	154	358851	52.204	ng		97
53) 3-Nitroaniline	14.727	138	42092	26.928	ng	#	95
54) 2,4-Dinitrophenol	14.933	184	90927	97.430	ng	#	34
55) Dibenzofuran	15.238	168	538020	48.413	ng		98
56) 4-Nitrophenol	15.021	139	154795	106.812	ng		96
57) 2,4-Dinitrotoluene	15.186	165	118466	50.860	ng	#	98
58) Fluorene	15.885	166	421871	48.608	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.456	232	141378	56.146	ng		98
60) Diethylphthalate	15.644	149	438111	47.174	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	234514	48.149	ng		100
62) 4-Nitroaniline	15.885	138	88677	50.993	ng		96
63) Azobenzene	16.167	77	456132	53.529	ng		99
65) 4,6-Dinitro-2-methylph...	15.943	198	64395	51.557	ng		95
66) n-Nitrosodiphenylamine	16.084	169	386929	50.908	ng		99
67) 4-Bromophenyl-phenylether	16.766	248	164166	49.235	ng		98
68) Hexachlorobenzene	16.889	284	189325	49.771	ng		99
69) Atrazine	17.025	200	164862	50.404	ng		98
70) Pentachlorophenol	17.224	266	252462	106.431	ng		93
71) Phenanthrene	17.624	178	754132	49.011	ng		99
72) Anthracene	17.712	178	770848	49.248	ng		99
73) Carbazole	17.971	167	669776	48.526	ng		100
74) Di-n-butylphthalate	18.529	149	763539	47.839	ng		99
75) Fluoranthene	19.616	202	907995	47.105	ng		99
77) Benzidine	19.780	184	194912	28.603	ng		98
78) Pyrene	19.974	202	959415	48.280	ng		99
80) Butylbenzylphthalate	20.849	149	326982	54.443	ng		99
81) Benzo(a)anthracene	21.837	228	1001336	49.652	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	144619	21.474	ng		98
83) Chrysene	21.901	228	940262	48.999	ng		99
84) Bis(2-ethylhexyl)phtha...	21.743	149	469605	52.327	ng		99
85) Di-n-octyl phthalate	23.006	149	803459	53.101	ng		98
87) Indeno(1,2,3-cd)pyrene	29.040	276	1219199	49.877	ng		99
88) Benzo(b)fluoranthene	24.134	252	988760	48.527	ng		99
89) Benzo(k)fluoranthene	24.210	252	1040885	51.050	ng		97
90) Benzo(a)pyrene	25.045	252	966919	51.625	ng		99
91) Dibenzo(a,h)anthracene	29.110	278	1005793	50.647	ng		98
92) Benzo(g,h,i)perylene	30.233	276	977591	51.532	ng		98

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

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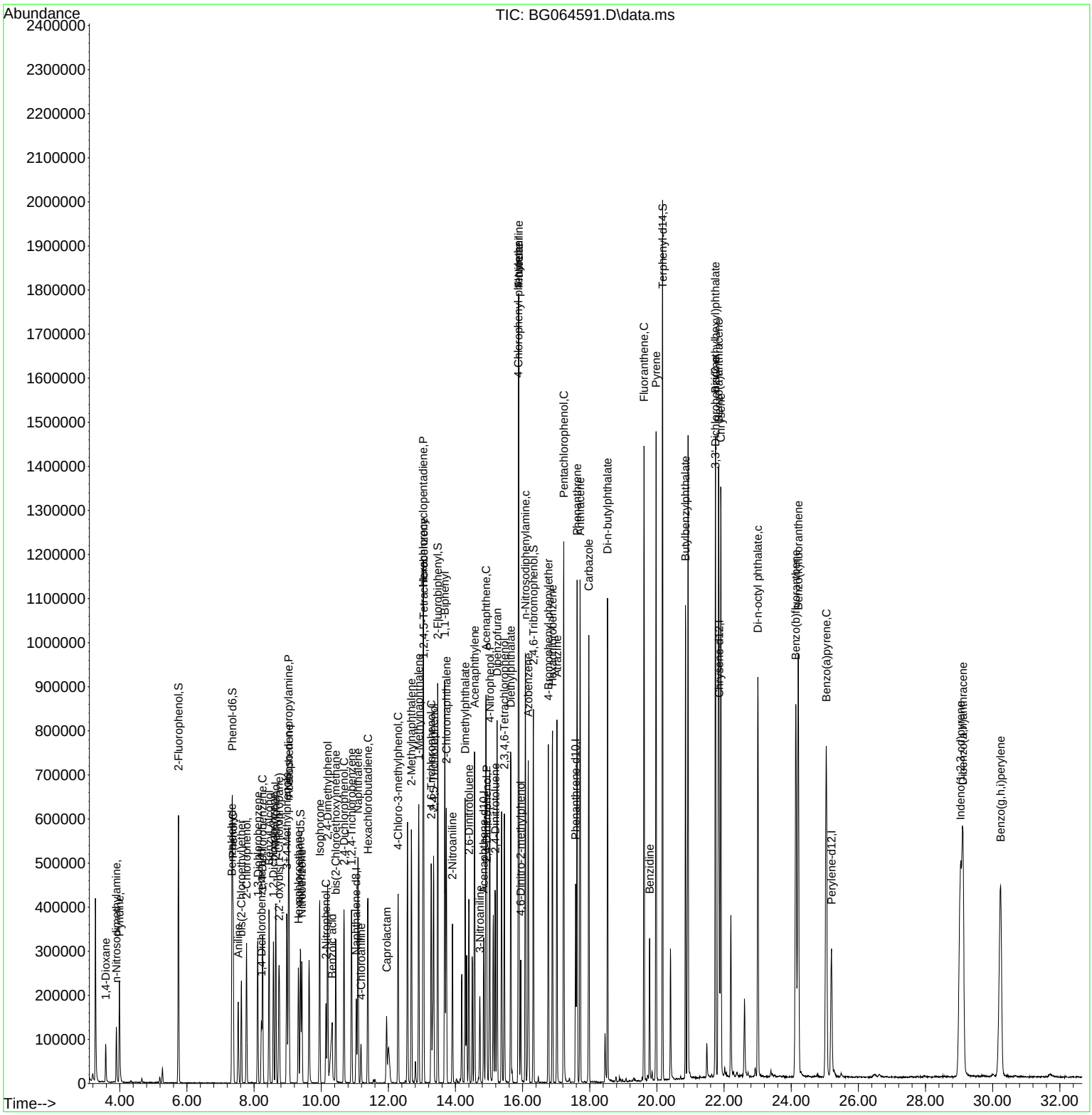
Data File : BG064591.D
Acq On : 27 Oct 2025 17:25
Operator : RC/JU
Sample : Q3439-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

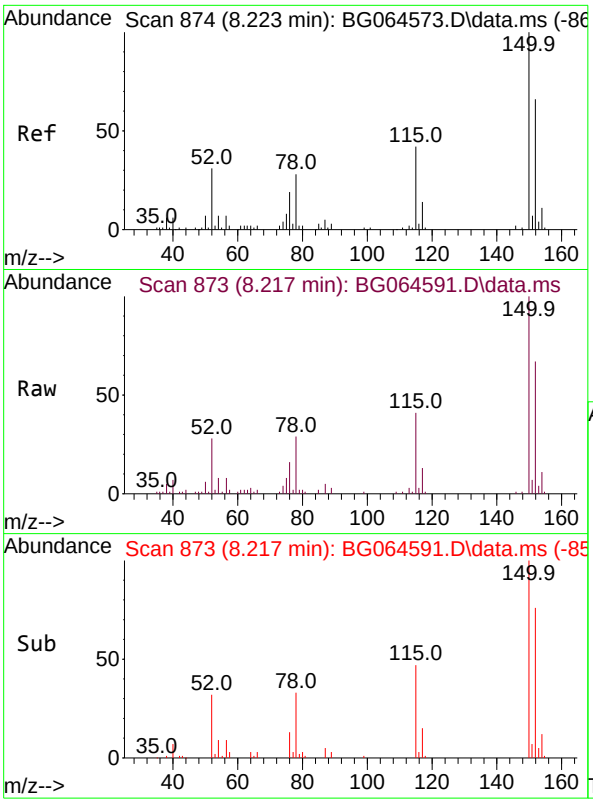
Quant Time: Nov 04 01:21:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

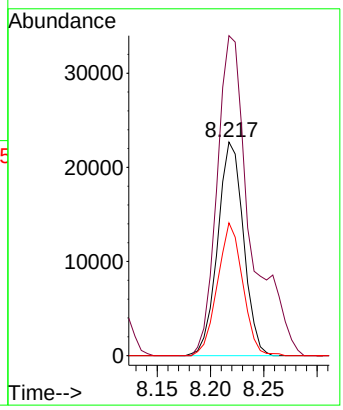




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:152 Resp: 3824

Ion	Ratio	Lower	Upper
152	100		
150	149.9	122.2	183.4
115	62.2	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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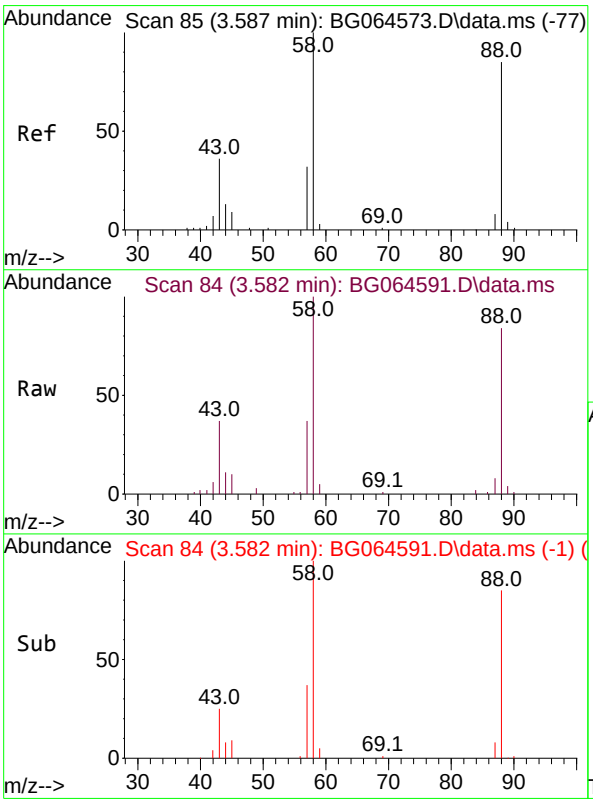
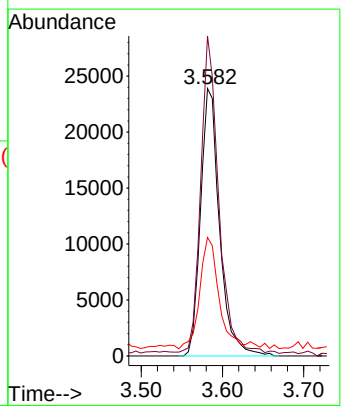
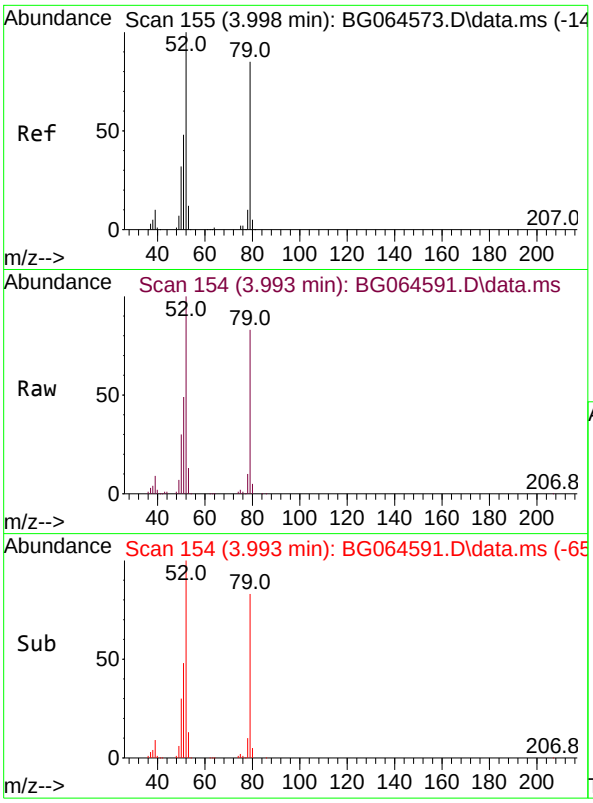


#2
1,4-Dioxane
Concen: 38.330 ng
RT: 3.582 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 88 Resp: 38664

Ion	Ratio	Lower	Upper
88	100		
58	112.8	92.4	138.6
43	41.8	33.0	49.6

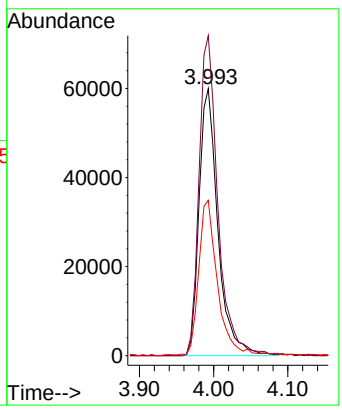




#3
Pyridine
Concen: 34.923 ng
RT: 3.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 79 Resp: 10578

Ion	Ratio	Lower	Upper
79	100		
52	119.9	94.2	141.2
51	58.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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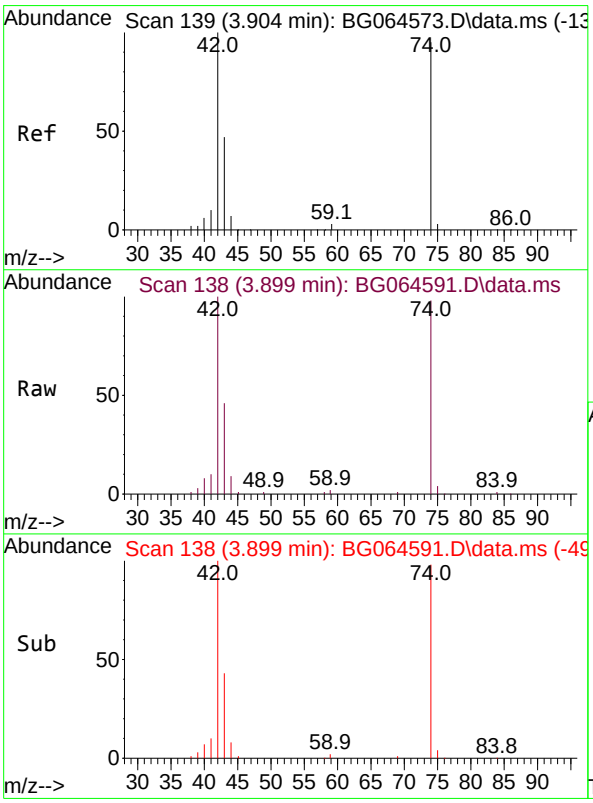
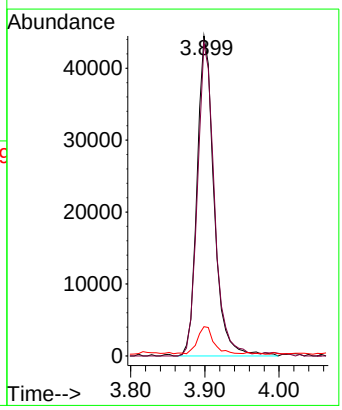
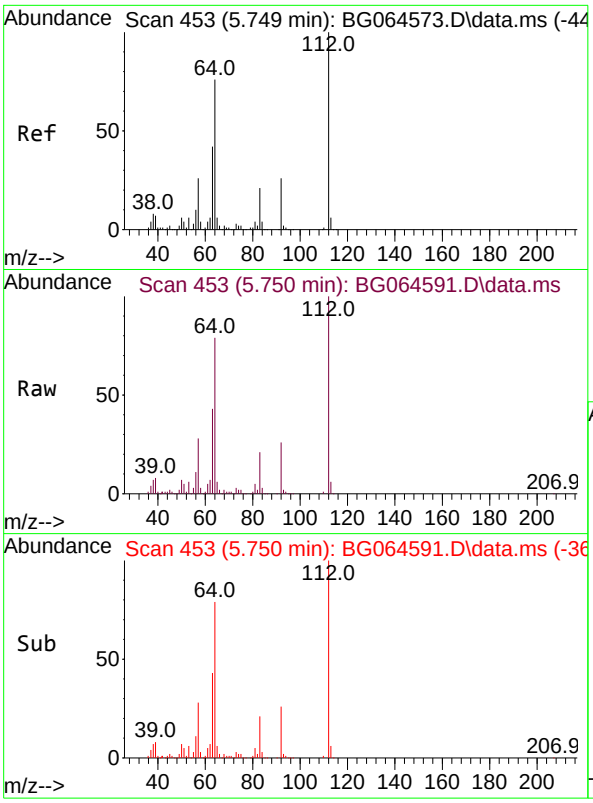


#4
n-Nitrosodimethylamine
Concen: 43.518 ng
RT: 3.899 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 42 Resp: 70692

Ion	Ratio	Lower	Upper
42	100		
74	97.6	76.1	114.1
44	9.1	6.3	9.5





#5
2-Fluorophenol
Concen: 102.227 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:112 Resp: 23291

Ion	Ratio	Lower	Upper
112	100		
64	79.4	60.7	91.1
63	42.6	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations
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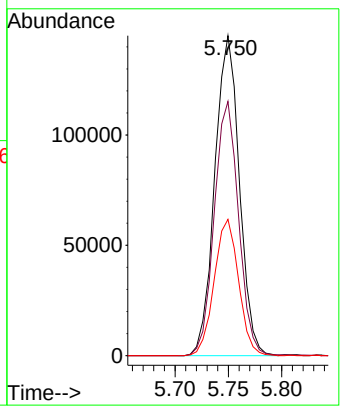
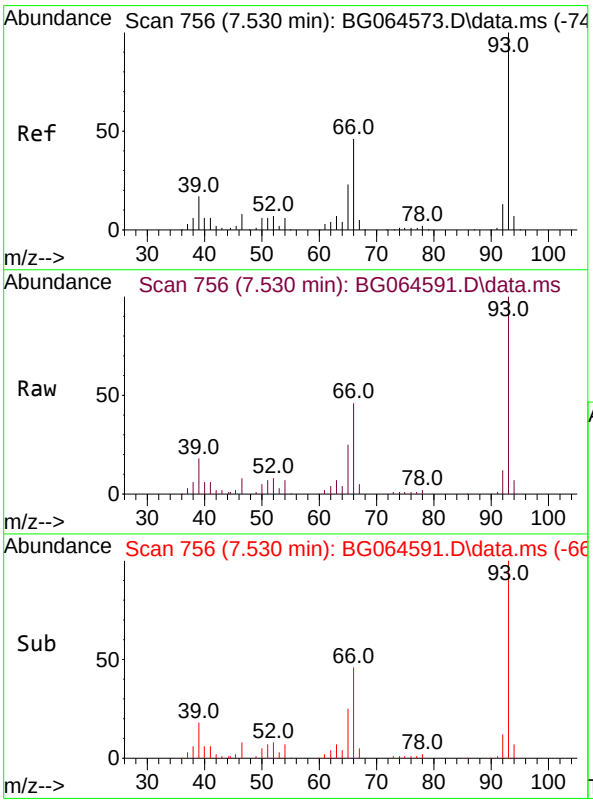
Supervised By :mohammad ahmed 11/05/2025

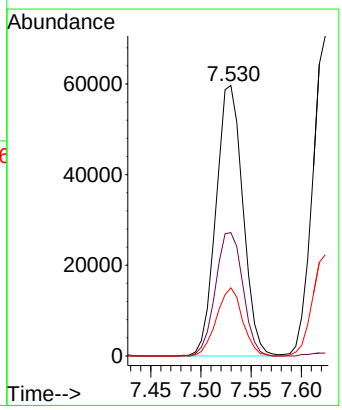


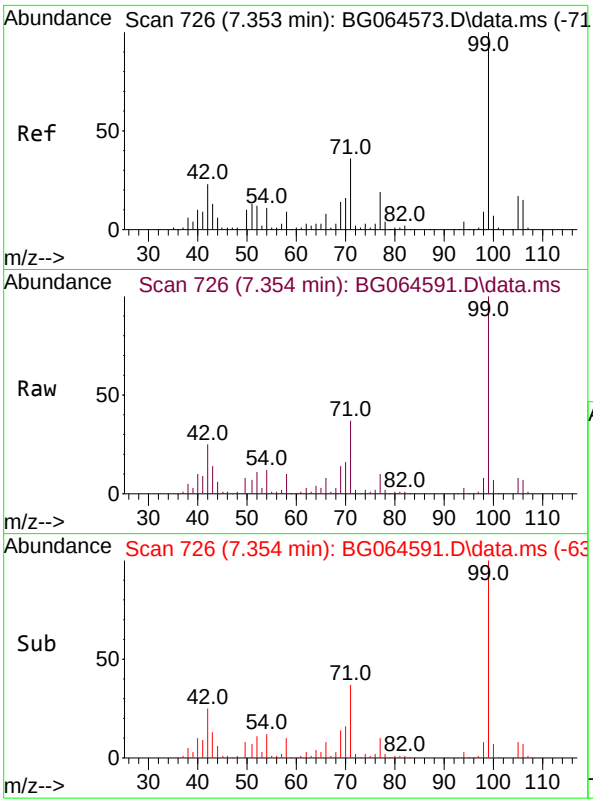


#6
Aniline
Concen: 26.130 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 93 Resp: 111165

Ion	Ratio	Lower	Upper
93	100		
66	45.6	37.0	55.6
65	25.2	18.3	27.5

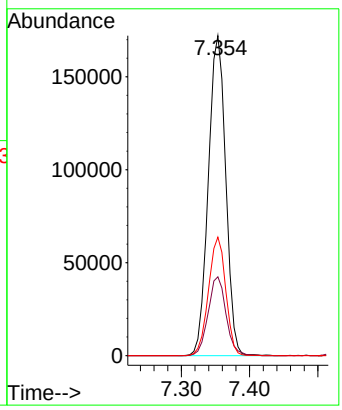




#7
Phenol-d6
Concen: 97.354 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 99 Resp: 30437

Ion	Ratio	Lower	Upper
99	100		
42	24.6	18.3	27.5
71	37.0	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations
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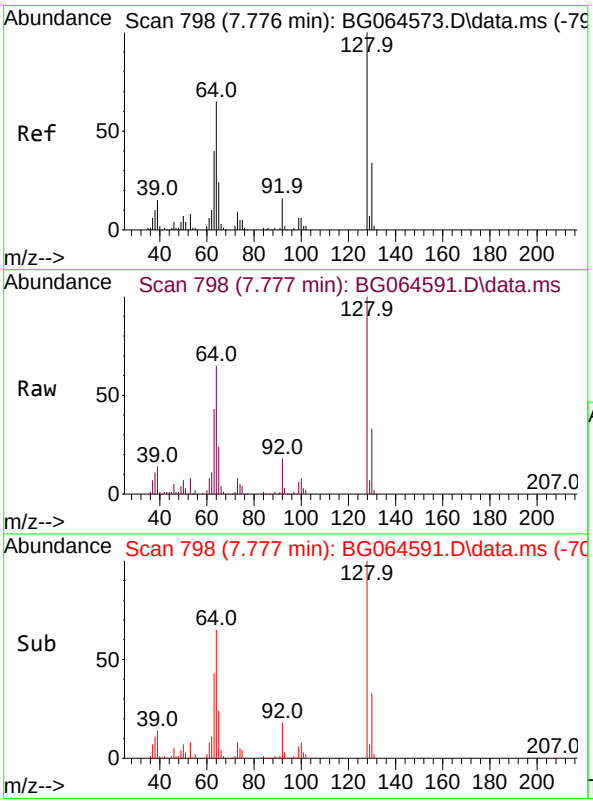
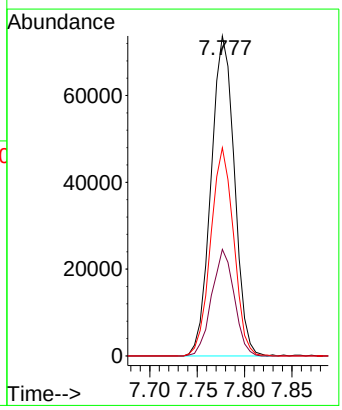
Supervised By :mohammad ahmed 11/05/2025

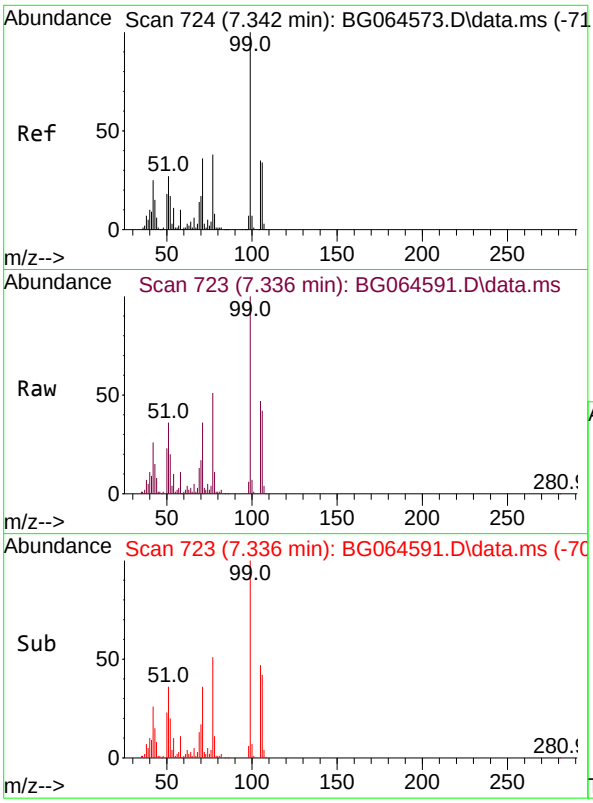


#8
2-Chlorophenol
Concen: 53.051 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:128 Resp: 126517

Ion	Ratio	Lower	Upper
128	100		
130	33.3	13.5	53.5
64	65.0	45.2	85.2

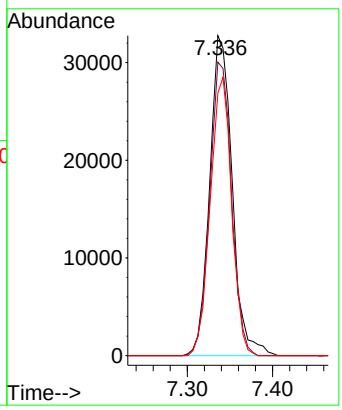




#9
Benzaldehyde
Concen: 35.105 ng
RT: 7.336 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 77 Resp: 5991

Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	82.0	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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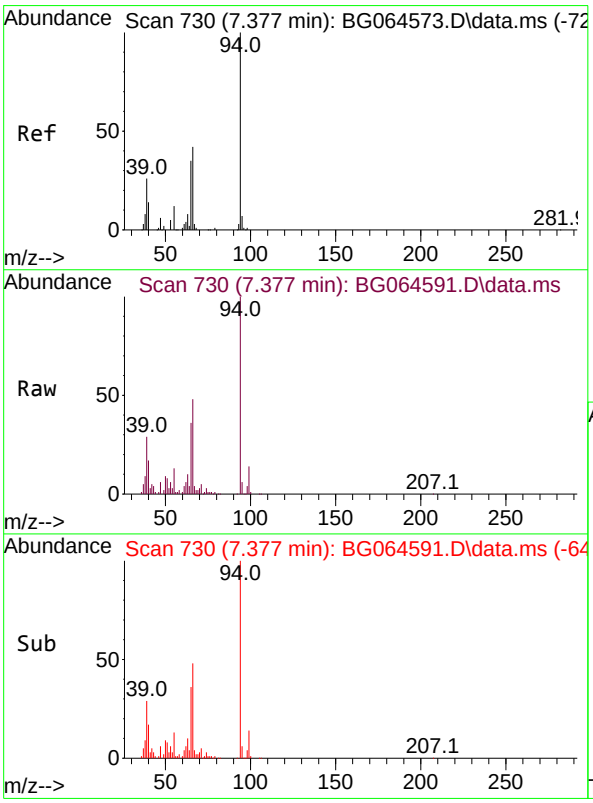
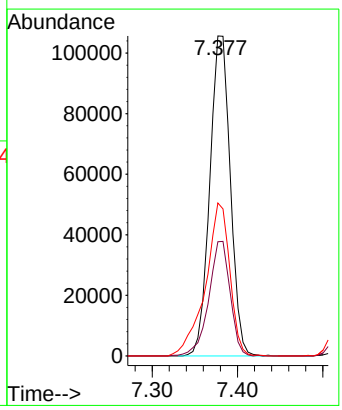
Supervised By :mohammad ahmed 11/05/2025

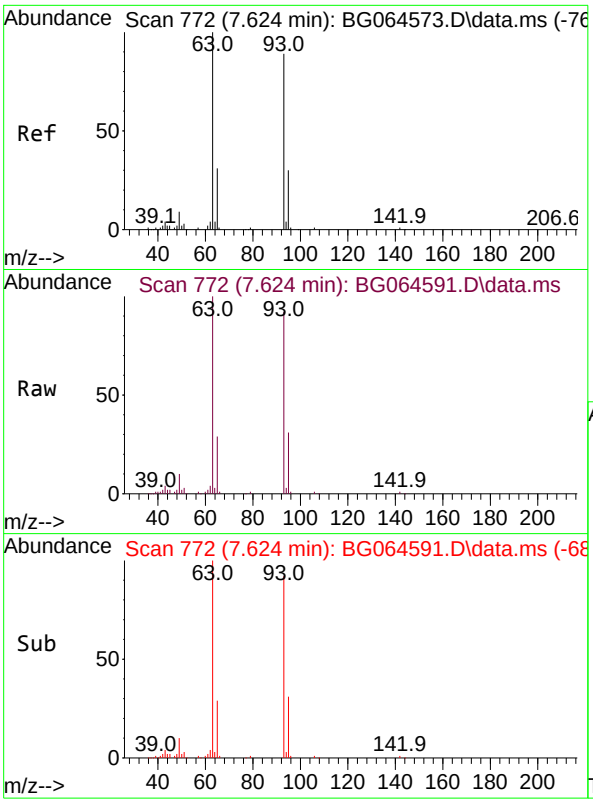


#10
Phenol
Concen: 51.093 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 94 Resp: 176658

Ion	Ratio	Lower	Upper
94	100		
65	35.7	15.8	55.8
66	47.8	24.0	64.0

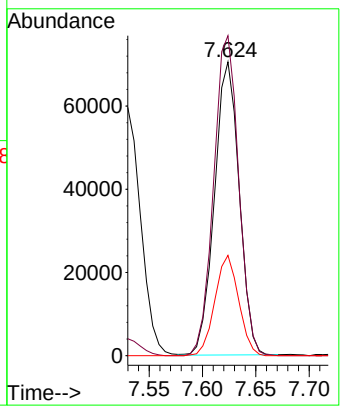




#11
bis(2-Chloroethyl)ether
Concen: 44.841 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 93 Resp: 11399

Ion	Ratio	Lower	Upper
93	100		
63	108.9	91.3	131.3
95	34.1	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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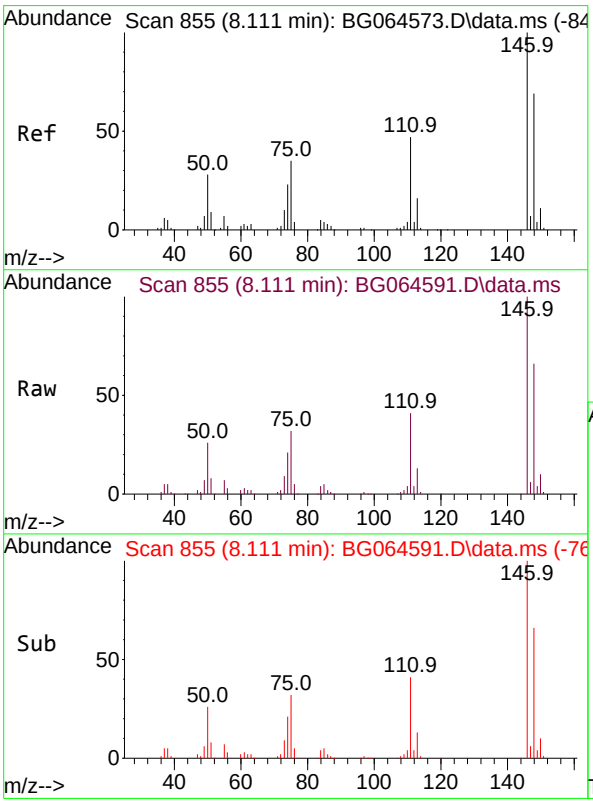
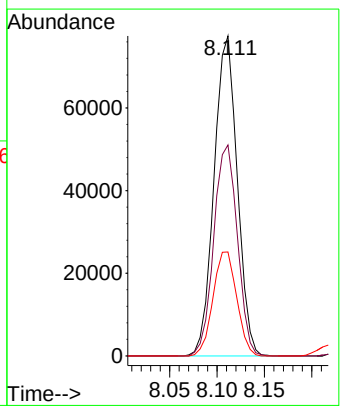
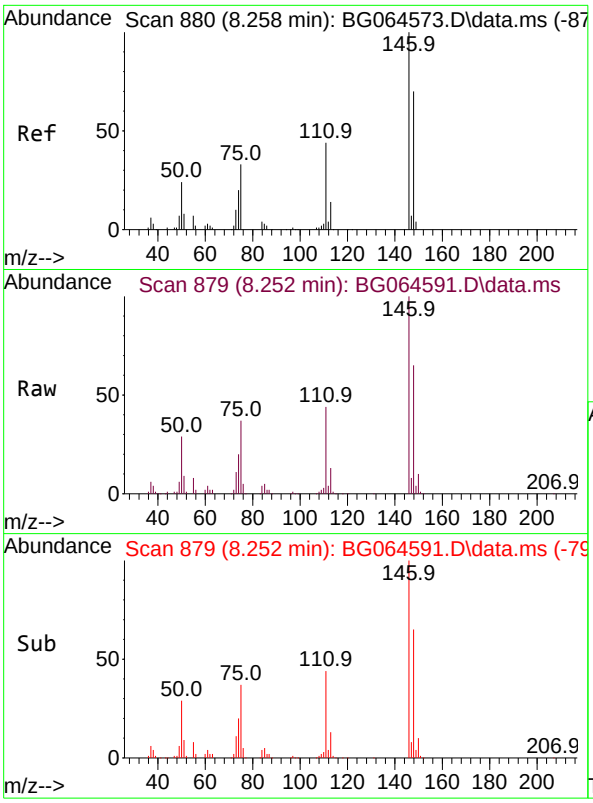


#12
1,3-Dichlorobenzene
Concen: 48.027 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:146 Resp: 131825

Ion	Ratio	Lower	Upper
146	100		
148	65.9	55.3	82.9
75	32.5	28.2	42.2

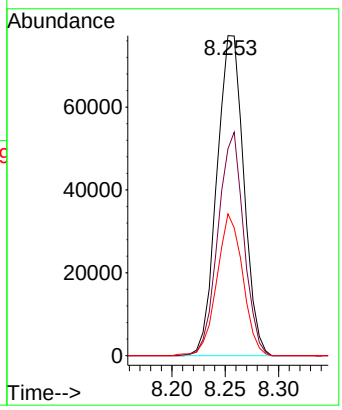




#13
1,4-Dichlorobenzene
Concen: 48.633 ng
RT: 8.252 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:146 Resp: 13573

Ion	Ratio	Lower	Upper
146	100		
148	64.6	56.2	84.4
111	44.3	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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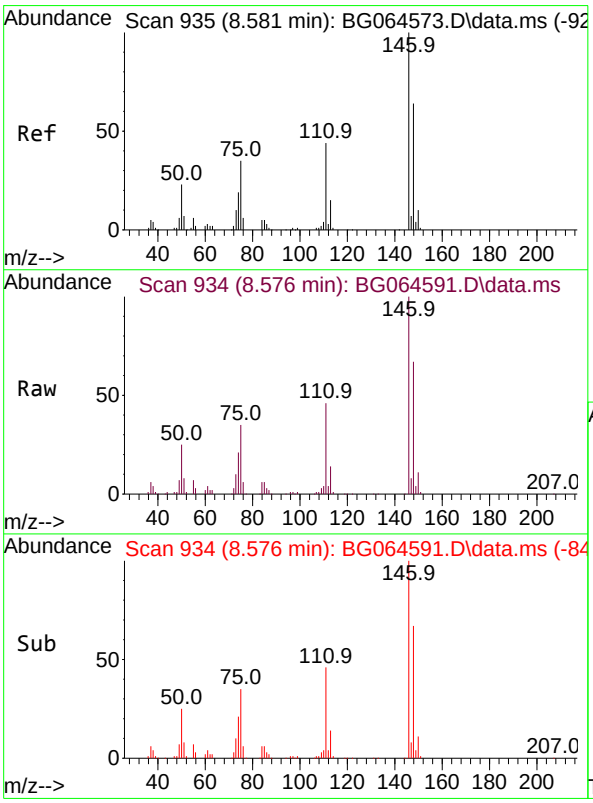
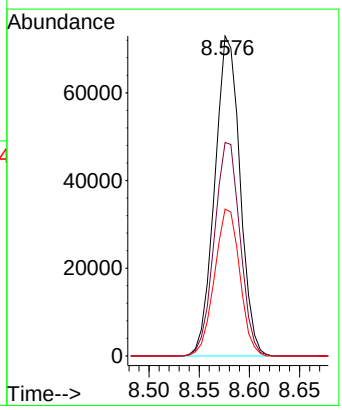
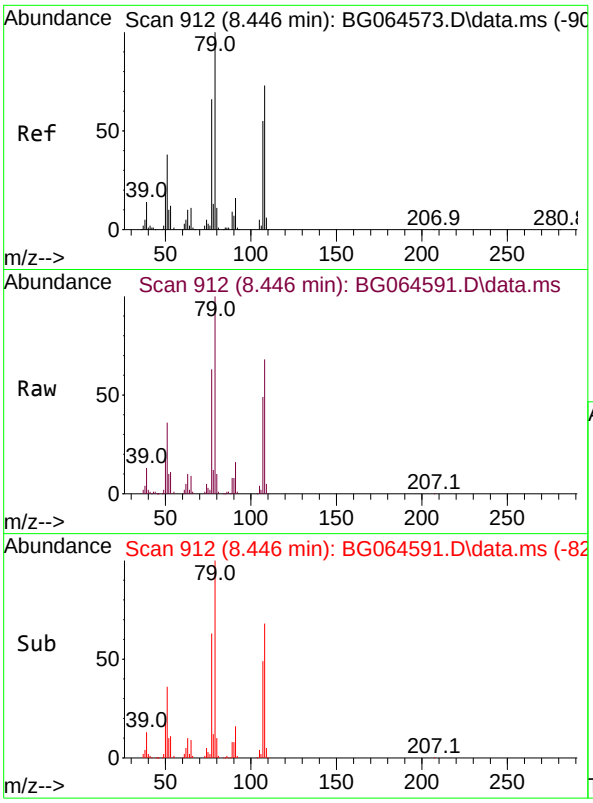


#14
1,2-Dichlorobenzene
Concen: 47.439 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:146 Resp: 127704

Ion	Ratio	Lower	Upper
146	100		
148	66.7	51.5	77.3
111	45.9	35.0	52.6





#15
Benzyl Alcohol
Concen: 50.443 ng
RT: 8.446 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 79 Resp: 13004

Ion	Ratio	Lower	Upper
79	100		
108	68.4	58.1	87.1
77	63.0	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations
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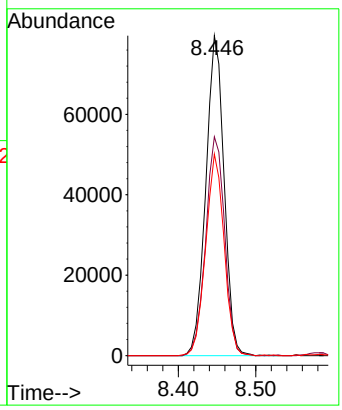
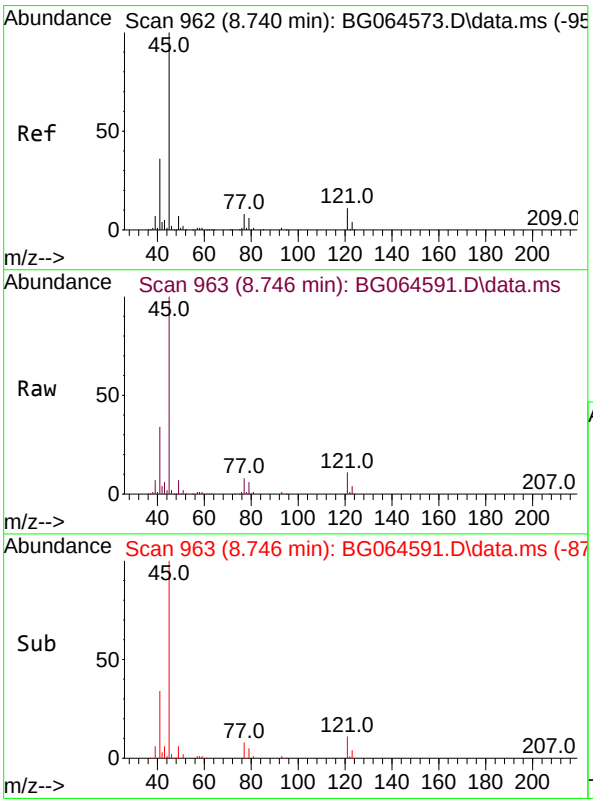
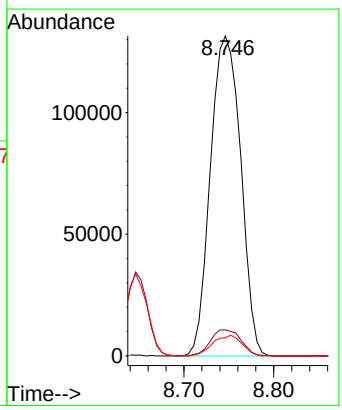


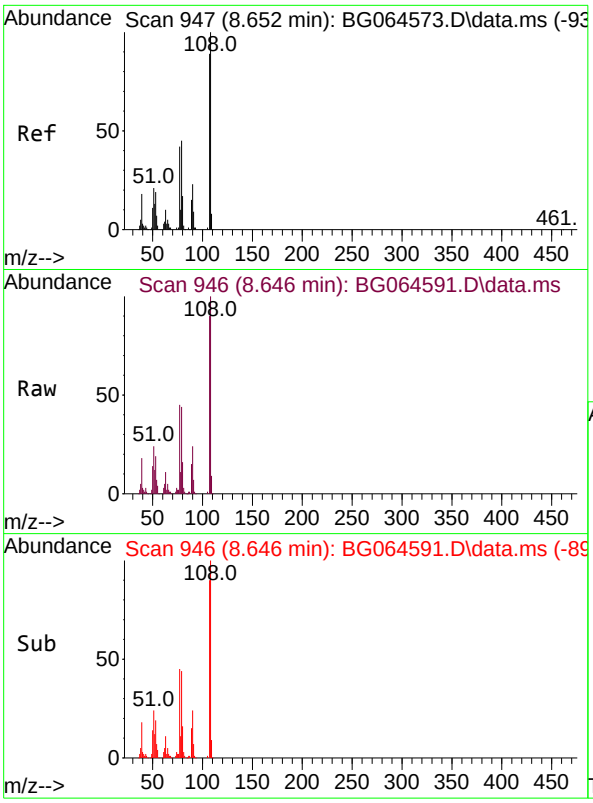


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.325 ng
RT: 8.746 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 45 Resp: 308901

Ion	Ratio	Lower	Upper
45	100		
77	8.1	0.0	28.5
79	5.6	0.0	25.6

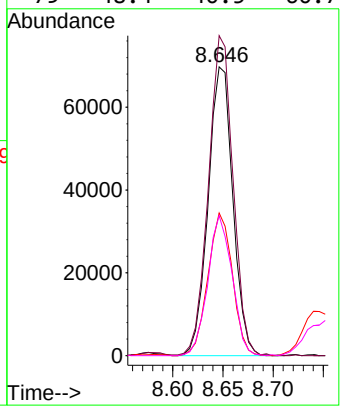




#17
2-Methylphenol
Concen: 52.112 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:107 Resp: 119631

Ion	Ratio	Lower	Upper
107	100		
108	110.8	90.0	135.0
77	49.4	37.8	56.8
79	48.4	40.5	60.7



Instrument :
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ClientSampleId :
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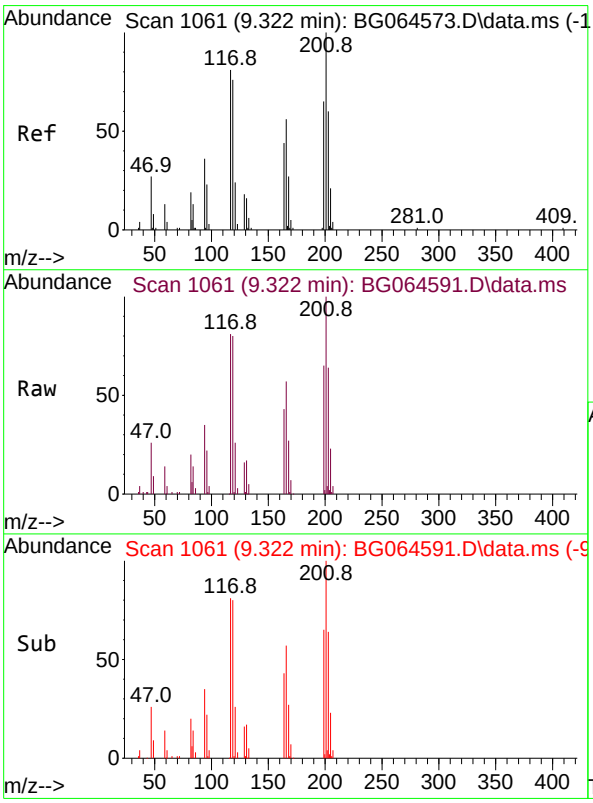
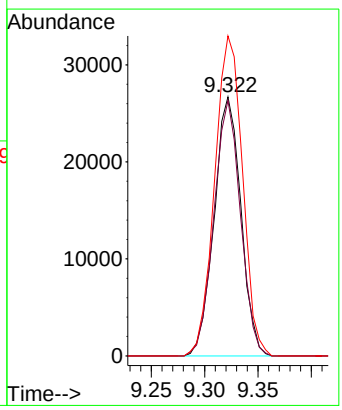
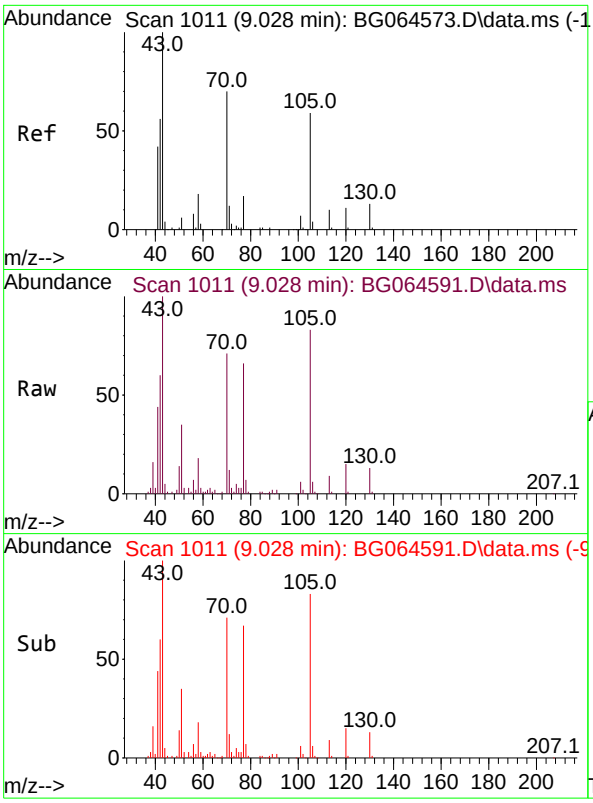


#18
Hexachloroethane
Concen: 47.547 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:117 Resp: 46568

Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.4	113.2
201	123.6	99.2	148.8

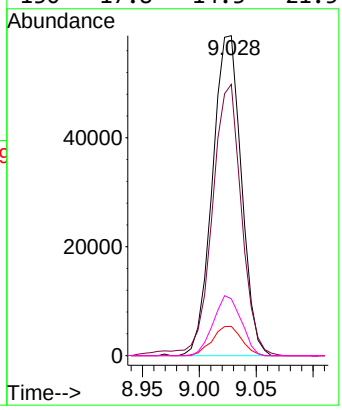




#19
n-Nitroso-di-n-propylamine
Concen: 48.103 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 70 Resp: 10393

Ion	Ratio	Lower	Upper
70	100		
42	84.8	65.2	97.8
101	9.1	7.9	11.9
130	17.8	14.3	21.5



Instrument :
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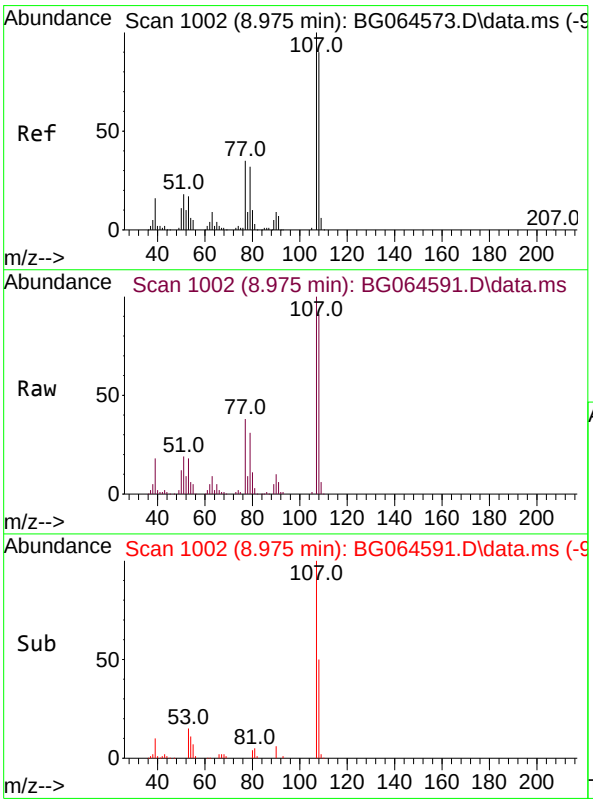
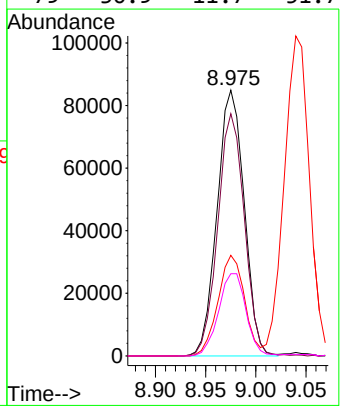
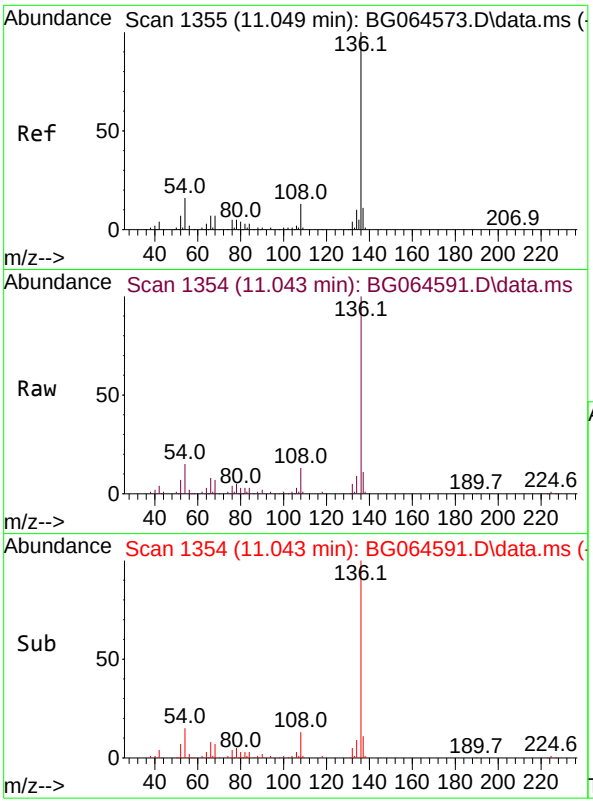


#20
3+4-Methylphenols
Concen: 49.453 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:107 Resp: 159656

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.3	110.3
77	37.8	14.6	54.6
79	30.9	11.7	51.7

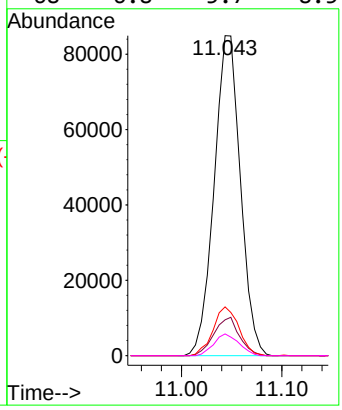




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:136 Resp: 15455

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	15.2	12.6	19.0
68	6.8	5.7	8.5



Instrument :
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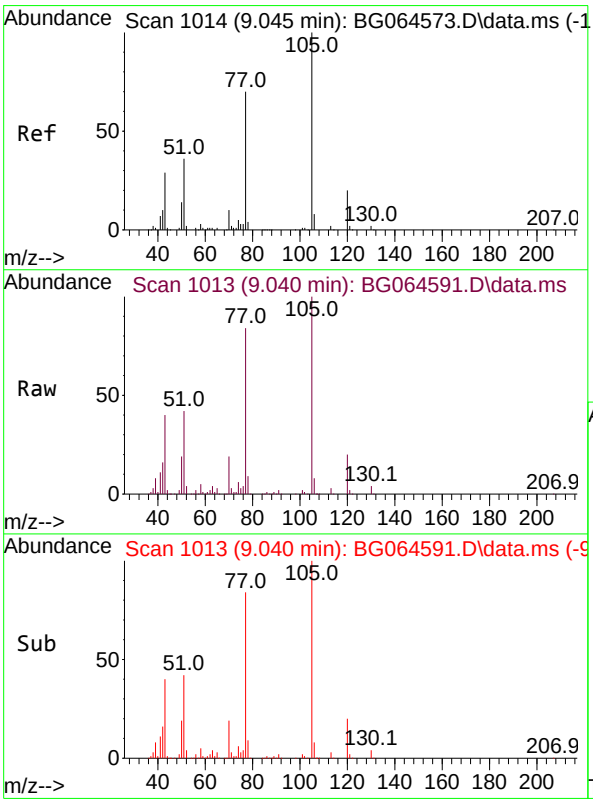
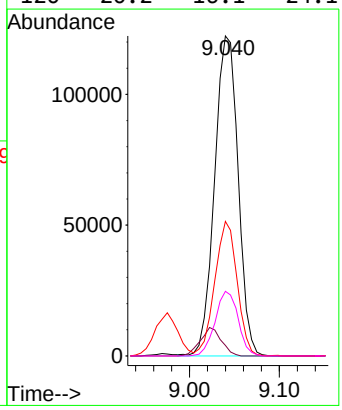
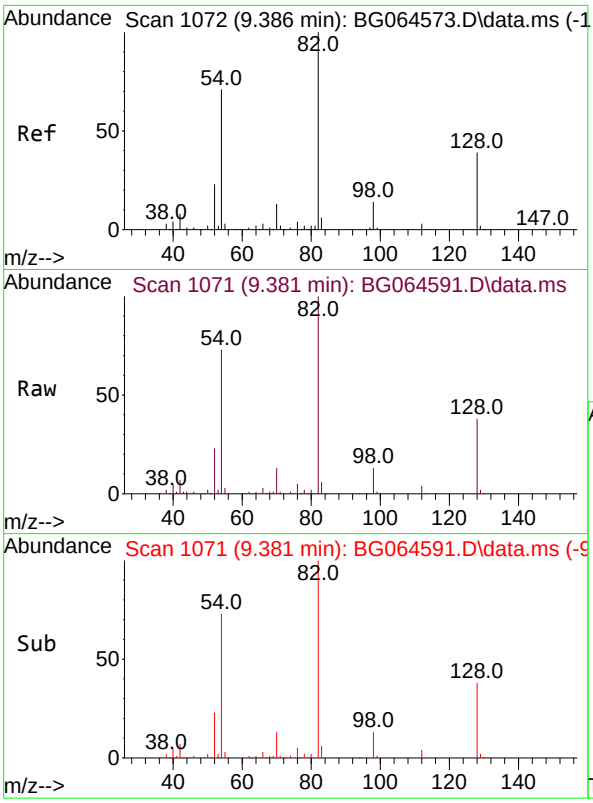


#22
Acetophenone
Concen: 52.906 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:105 Resp: 223522

Ion	Ratio	Lower	Upper
105	100		
71	3.3	1.5	2.3#
51	42.0	33.7	50.5
120	20.2	16.1	24.1

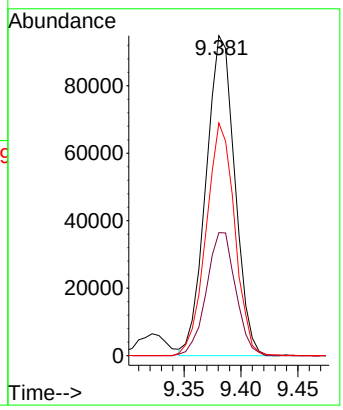




#23
Nitrobenzene-d5
Concen: 64.933 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 82 Resp: 16708

Ion	Ratio	Lower	Upper
82	100		
128	38.4	31.3	46.9
54	72.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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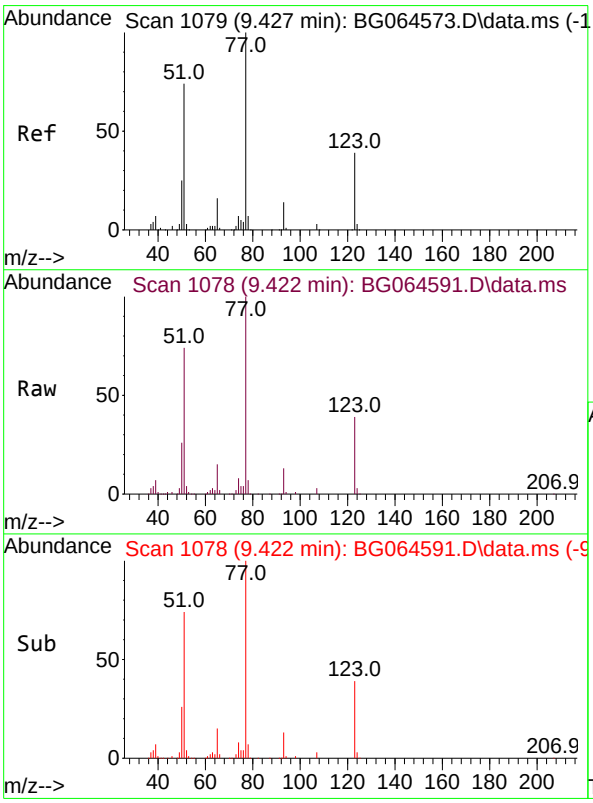
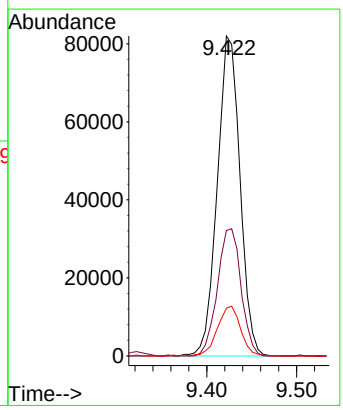
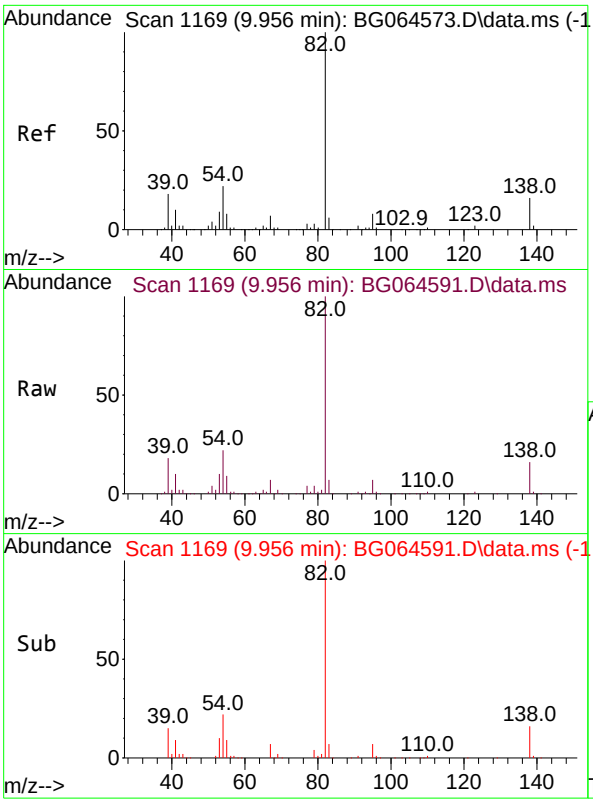


#24
Nitrobenzene
Concen: 51.490 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 77 Resp: 144109

Ion	Ratio	Lower	Upper
77	100		
123	39.2	31.0	46.6
65	14.9	12.7	19.1

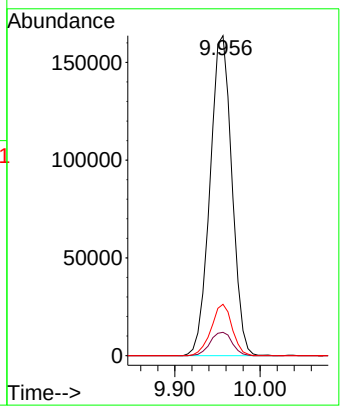




#25
Isophorone
Concen: 47.142 ng
RT: 9.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 82 Resp: 291079

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	16.0	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
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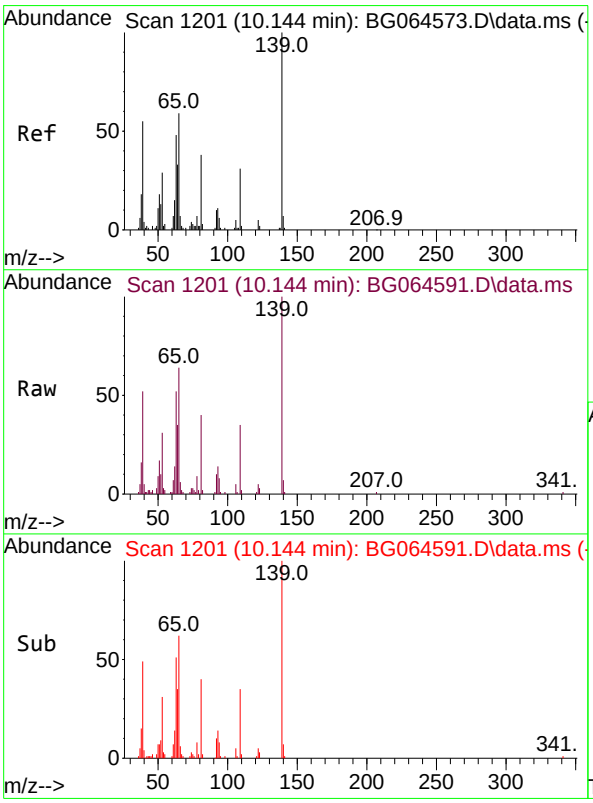
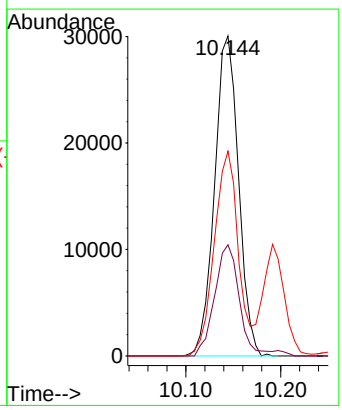
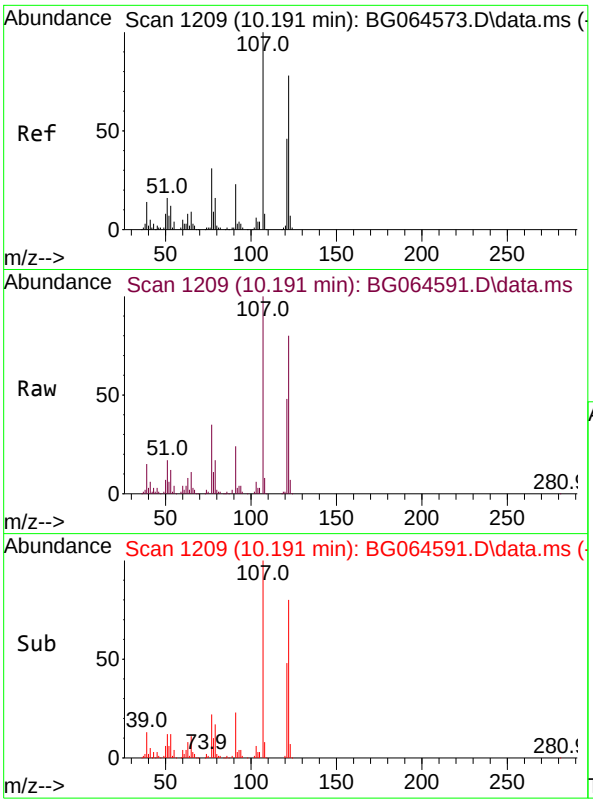


#26
2-Nitrophenol
Concen: 48.735 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:139 Resp: 52682

Ion	Ratio	Lower	Upper
139	100		
109	34.7	24.6	37.0
65	64.0	47.5	71.3

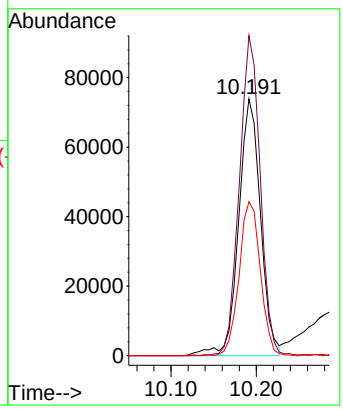




#27
2,4-Dimethylphenol
Concen: 57.216 ng
RT: 10.191 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:122 Resp: 13141

Ion	Ratio	Lower	Upper
122	100		
107	124.6	103.0	154.4
121	59.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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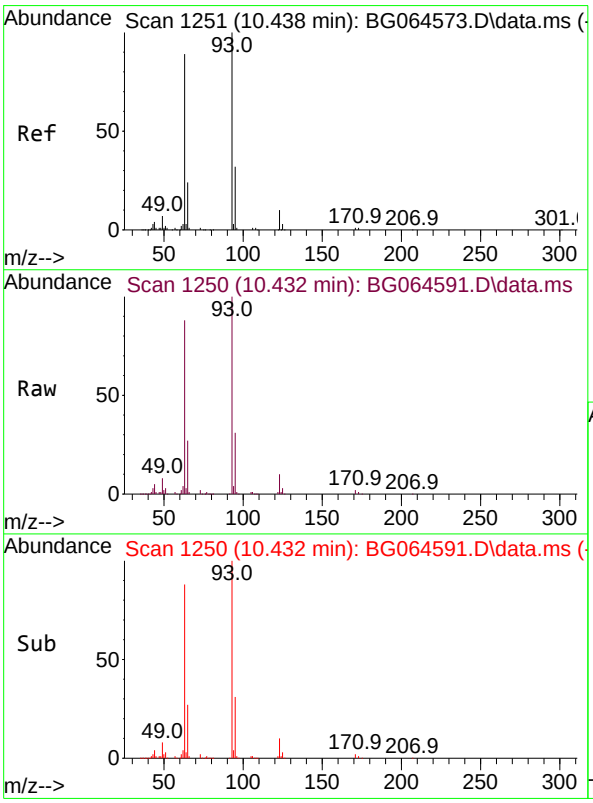
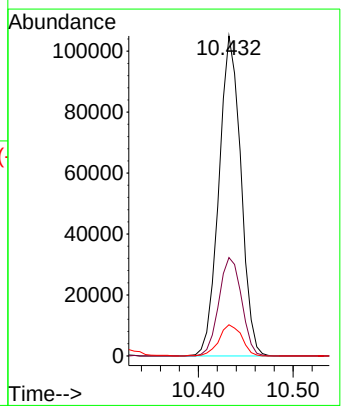
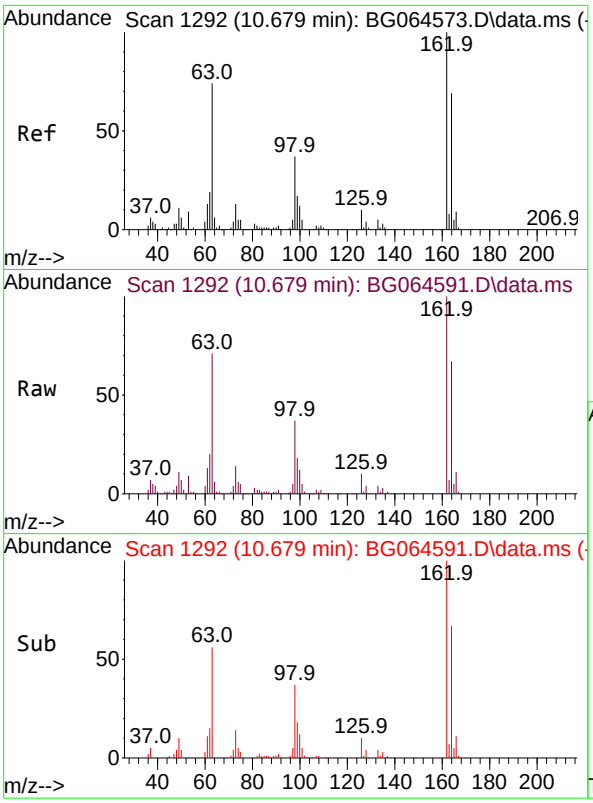


#28
bis(2-Chloroethoxy)methane
Concen: 48.065 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 93 Resp: 168975

Ion	Ratio	Lower	Upper
93	100		
95	30.7	25.4	38.2
123	9.8	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 53.404 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:162 Resp: 13200

Ion	Ratio	Lower	Upper
162	100		
164	67.4	48.7	88.7
98	37.5	16.9	56.9

Instrument :
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ClientSampleId :
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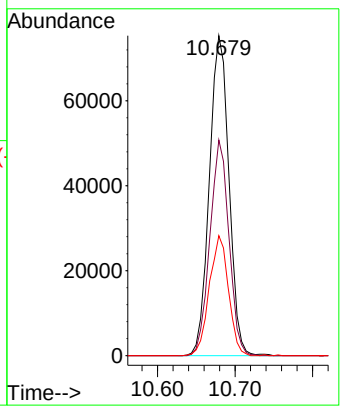
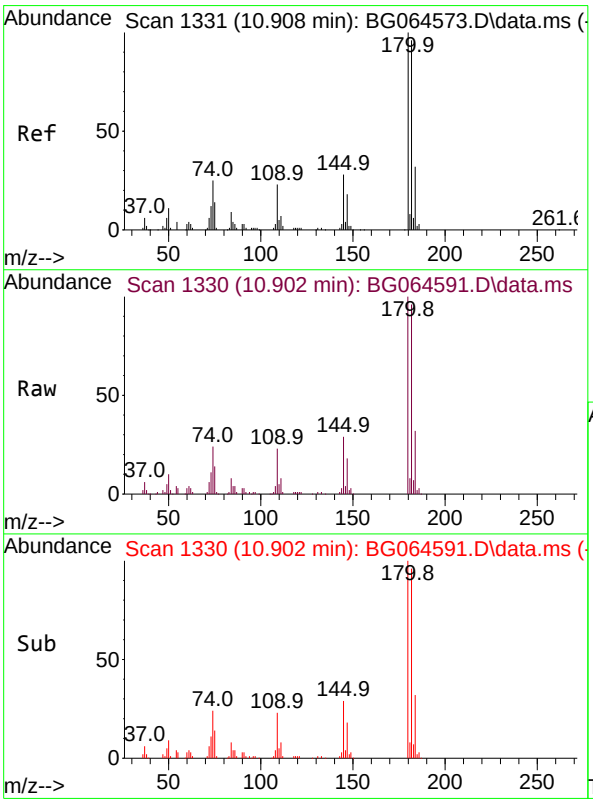
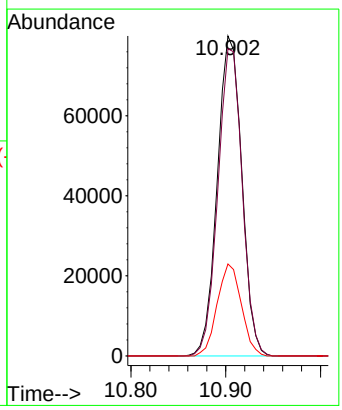


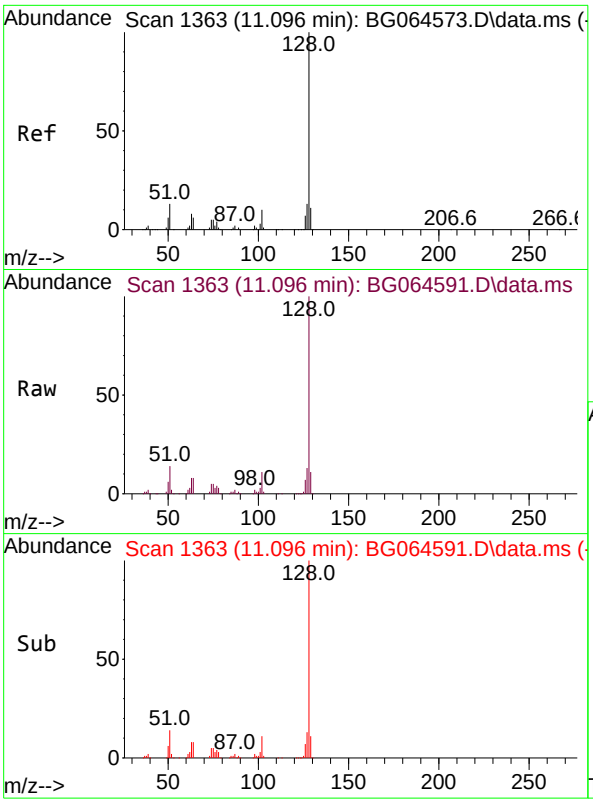


#30
1,2,4-Trichlorobenzene
Concen: 51.085 ng
RT: 10.902 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:180 Resp: 143468

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
145	28.7	22.1	33.1

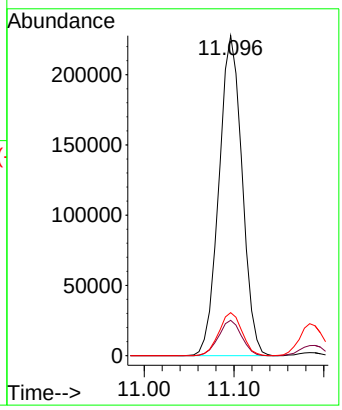




#31
Naphthalene
Concen: 47.637 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:128 Resp: 40819

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.6	15.8



Instrument :
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ClientSampleId :
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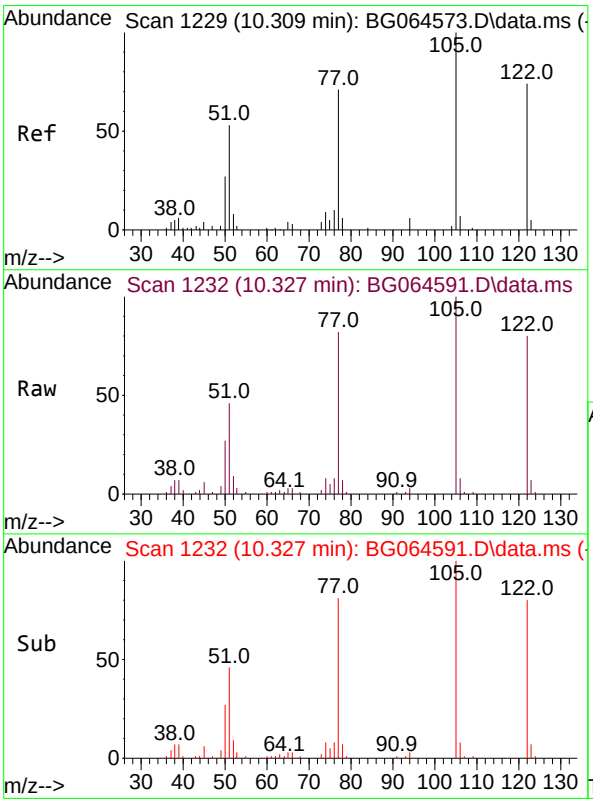
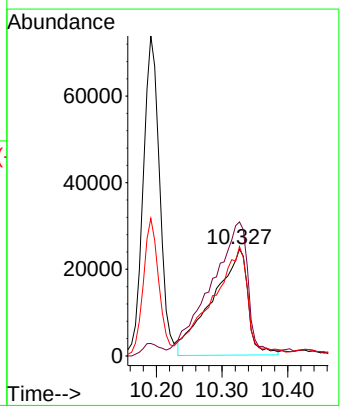
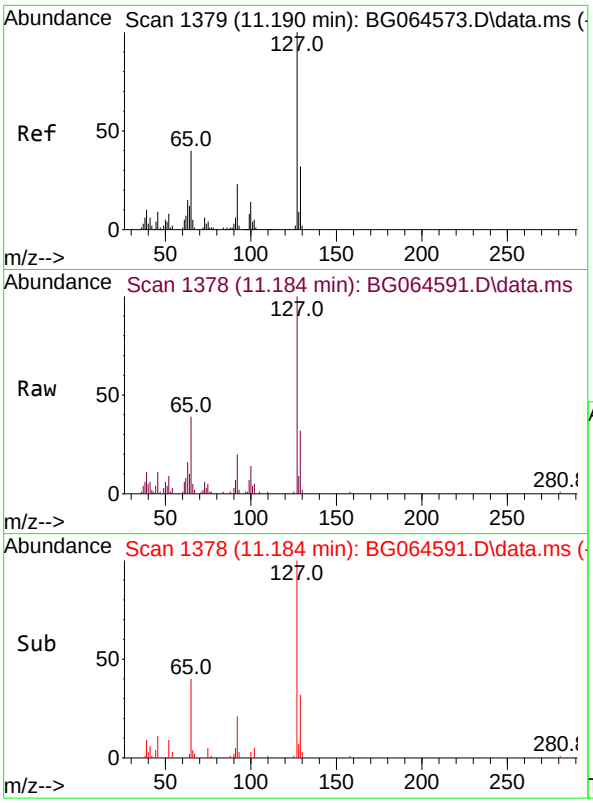


#32
Benzoic acid
Concen: 51.841 ng
RT: 10.327 min Scan# 1232
Delta R.T. 0.018 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:122 Resp: 91977

Ion	Ratio	Lower	Upper
122	100		
105	125.4	104.2	144.2
77	102.4	70.2	110.2

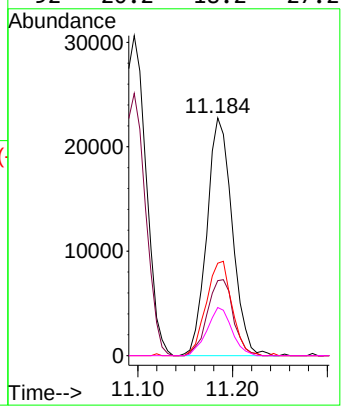




#33
4-Chloroaniline
Concen: 12.693 ng
RT: 11.184 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:127 Resp: 4227

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.5	38.3
65	38.9	32.2	48.4
92	20.2	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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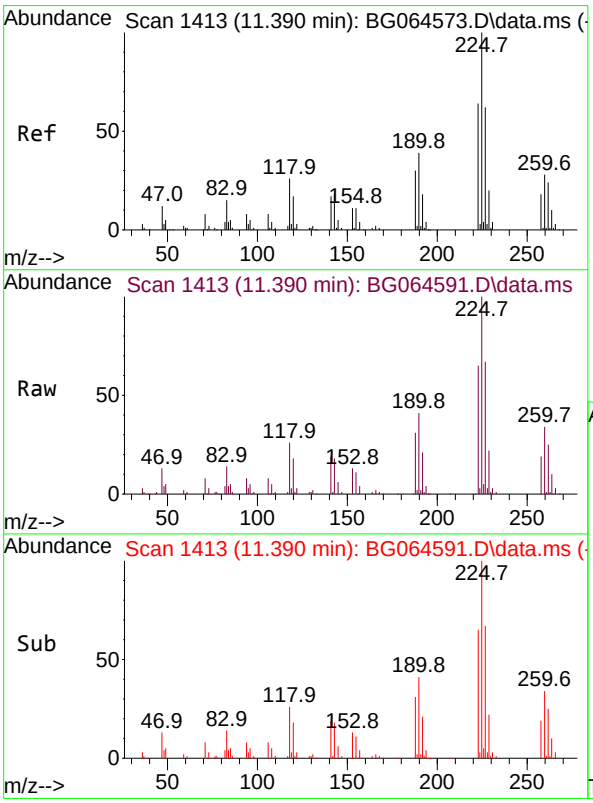
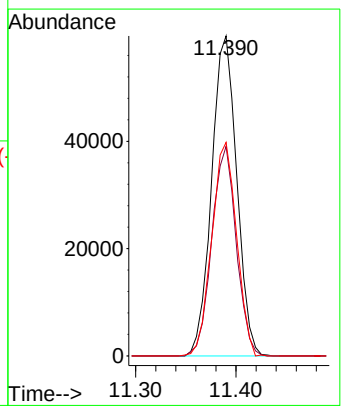
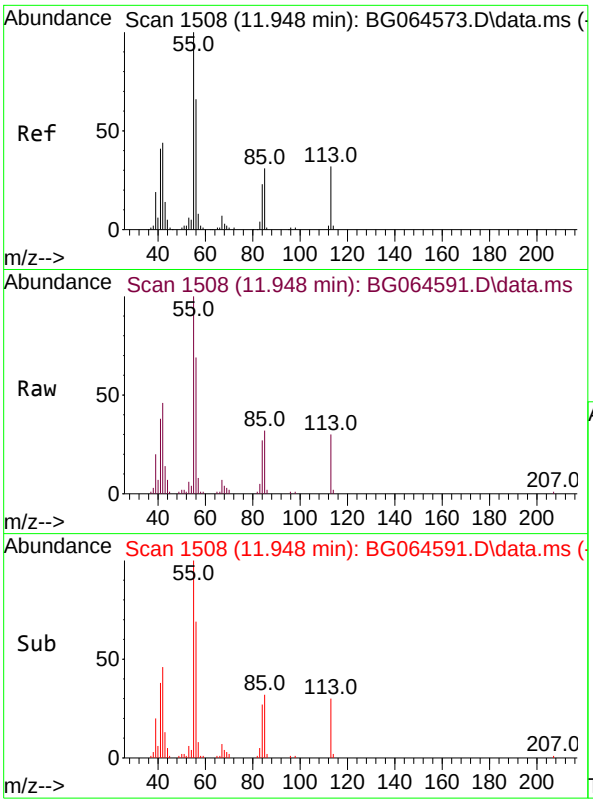


#34
Hexachlorobutadiene
Concen: 47.273 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:225 Resp: 103827

Ion	Ratio	Lower	Upper
225	100		
223	68.2	48.8	73.2
227	66.7	49.5	74.3

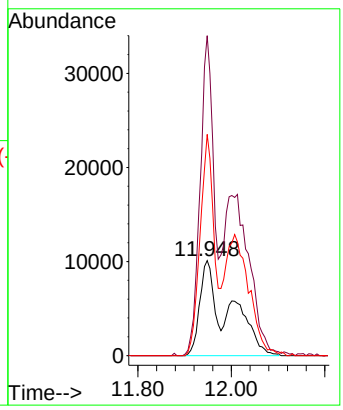




#35
Caprolactam
Concen: 45.101 ng m
RT: 11.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:113 Resp: 4275

Ion	Ratio	Lower	Upper
113	100		
55	337.1	290.1	330.1#
56	233.1	183.8	223.8#



Instrument :
BNA_G
ClientSampleId :
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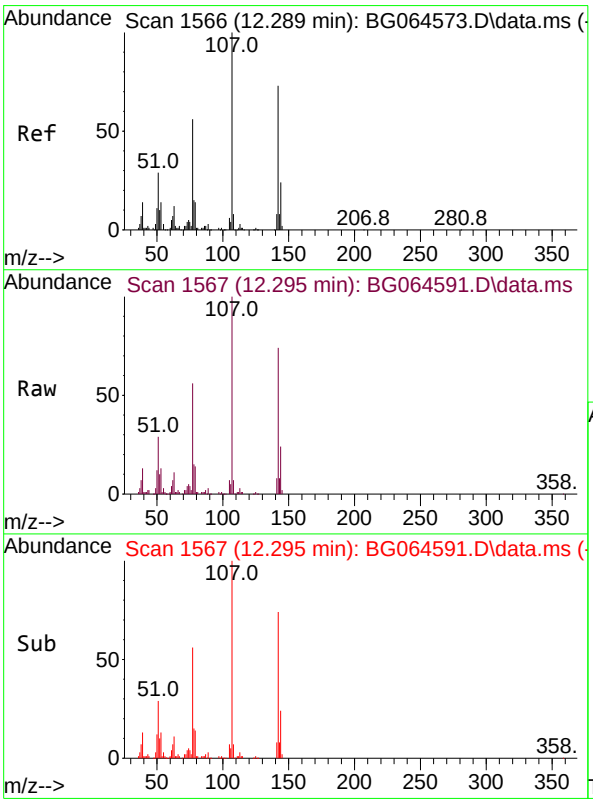
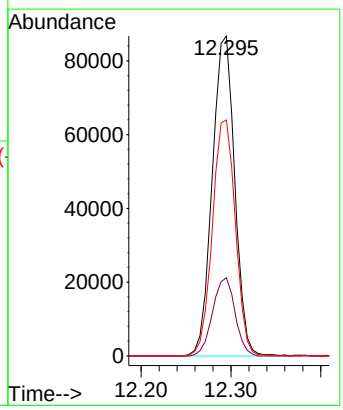
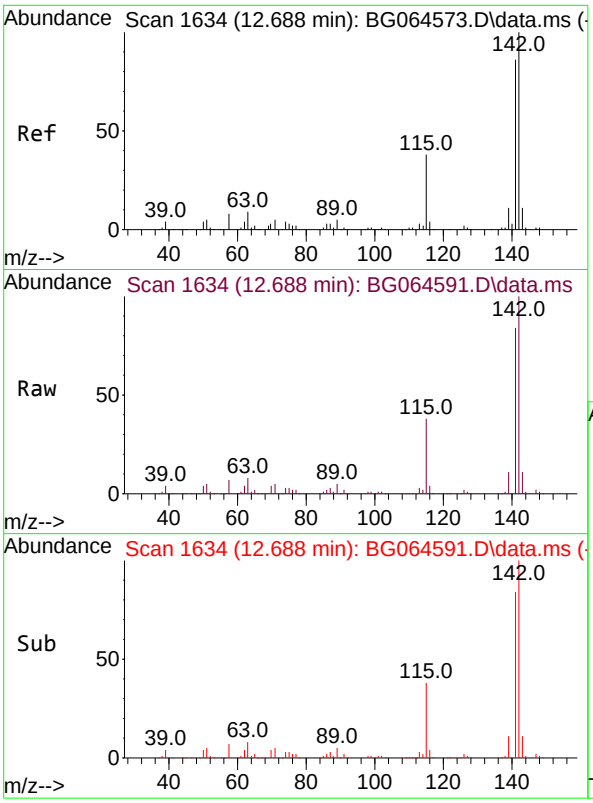


#36
4-Chloro-3-methylphenol
Concen: 50.740 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:107 Resp: 150753

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.1	28.7
142	73.7	58.6	87.8

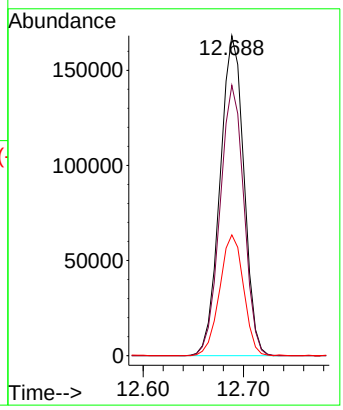




#37
2-Methylnaphthalene
Concen: 44.177 ng
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:142 Resp: 27792

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.9	103.3
115	37.7	30.6	46.0



Instrument :
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ClientSampleId :
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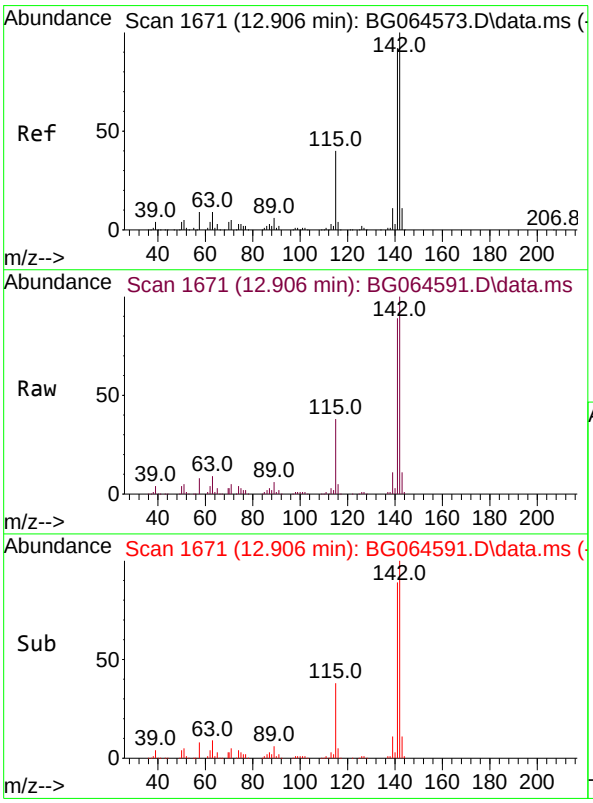
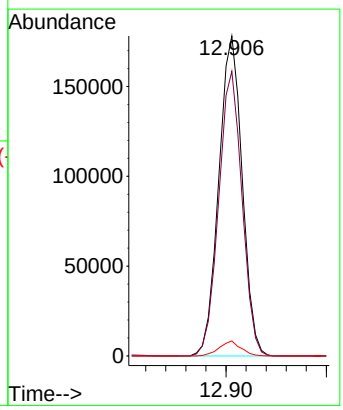
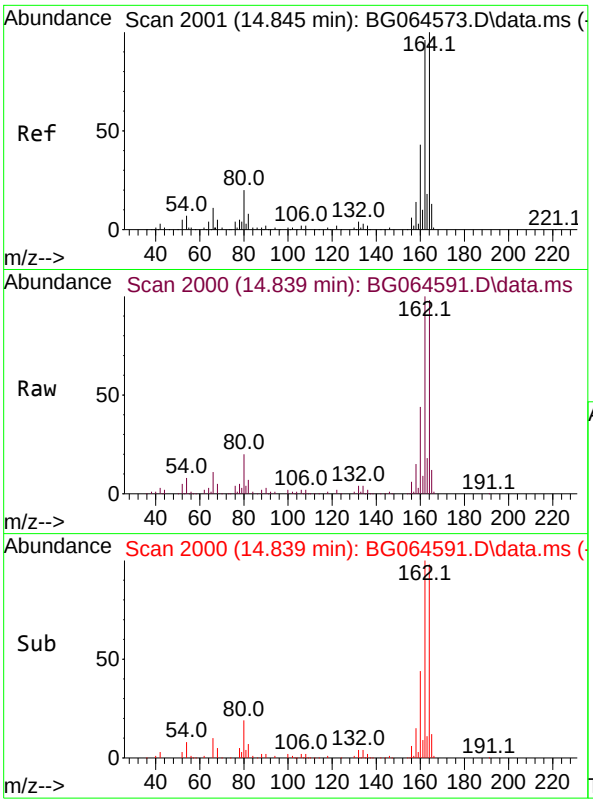


#38
1-Methylnaphthalene
Concen: 46.349 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:142 Resp: 288664

Ion	Ratio	Lower	Upper
142	100		
141	88.9	73.3	109.9
116	4.7	3.1	4.7

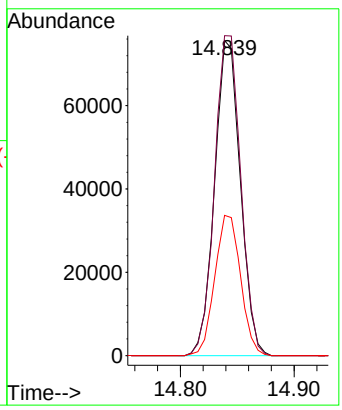




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:164 Resp: 11886

Ion	Ratio	Lower	Upper
164	100		
162	101.6	77.0	115.6
160	44.5	34.4	51.6



Instrument :
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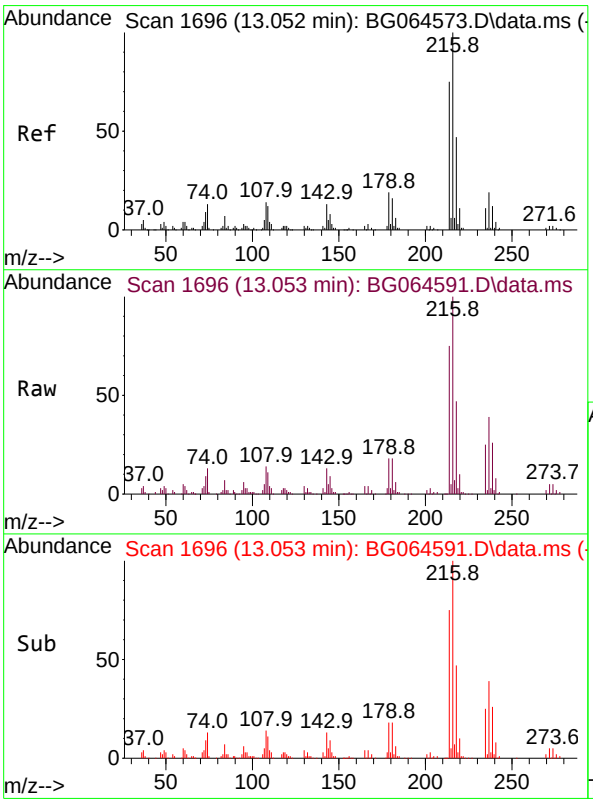
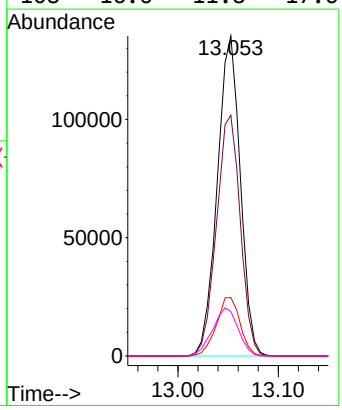
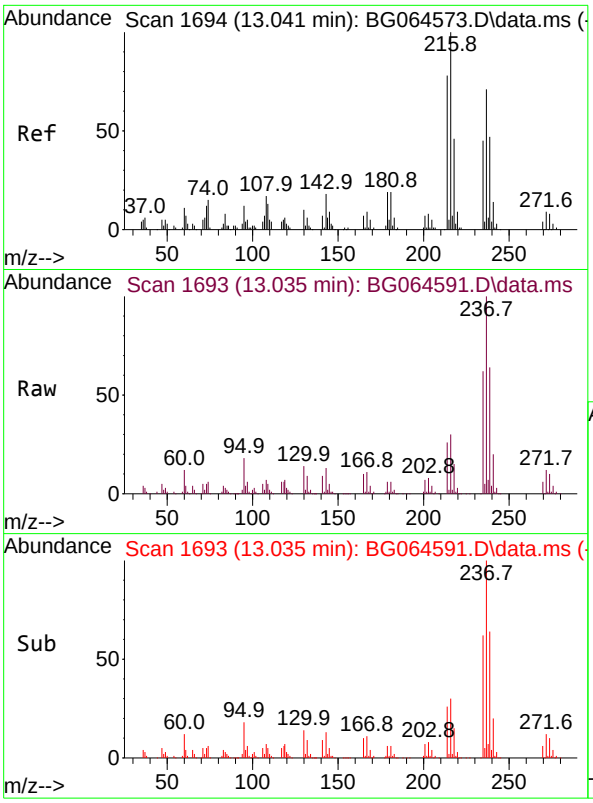


#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:216 Resp: 216203

Ion	Ratio	Lower	Upper
216	100		
214	77.7	61.4	92.2
179	18.9	15.4	23.0
108	16.6	11.8	17.6

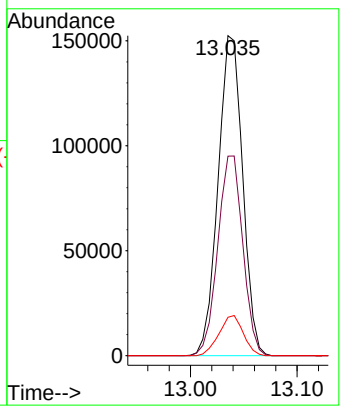




#41
Hexachlorocyclopentadiene
Concen: 136.273 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:237 Resp: 24468

Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.1	84.1
272	12.0	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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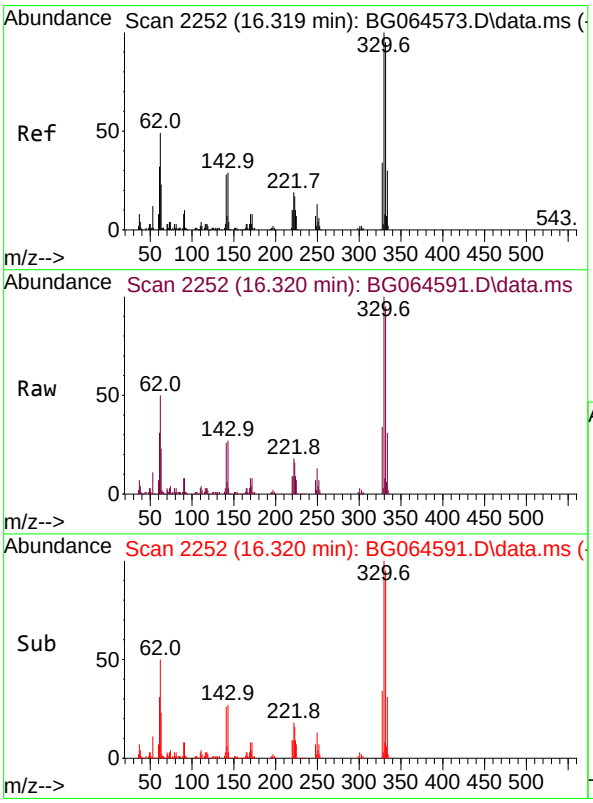
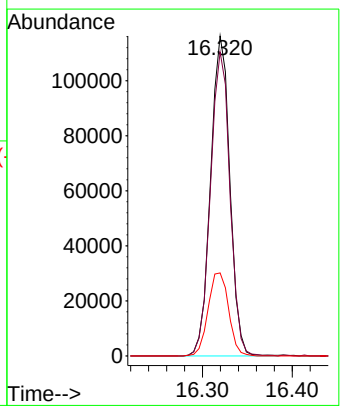
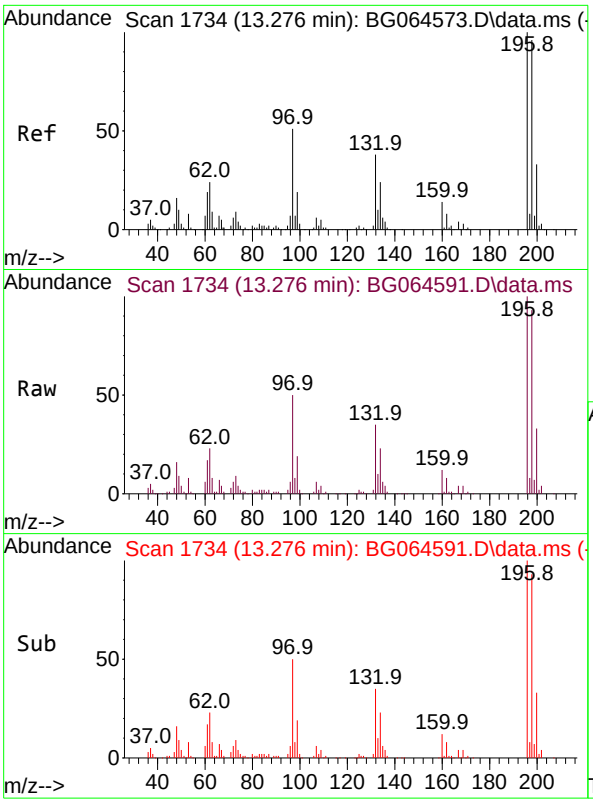


#42
2,4,6-Tribromophenol
Concen: 101.108 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:330 Resp: 173458

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.6	21.8	32.6

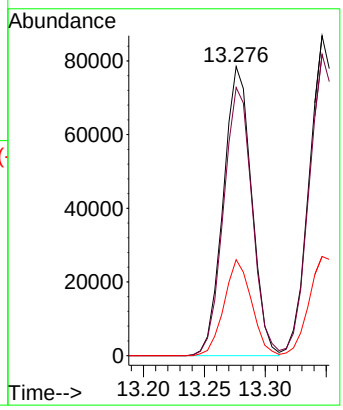




#43
2,4,6-Trichlorophenol
Concen: 55.528 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:196 Resp: 12670

Ion	Ratio	Lower	Upper
196	100		
198	92.7	76.6	115.0
200	33.2	26.0	39.0



Instrument :
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ClientSampleId :
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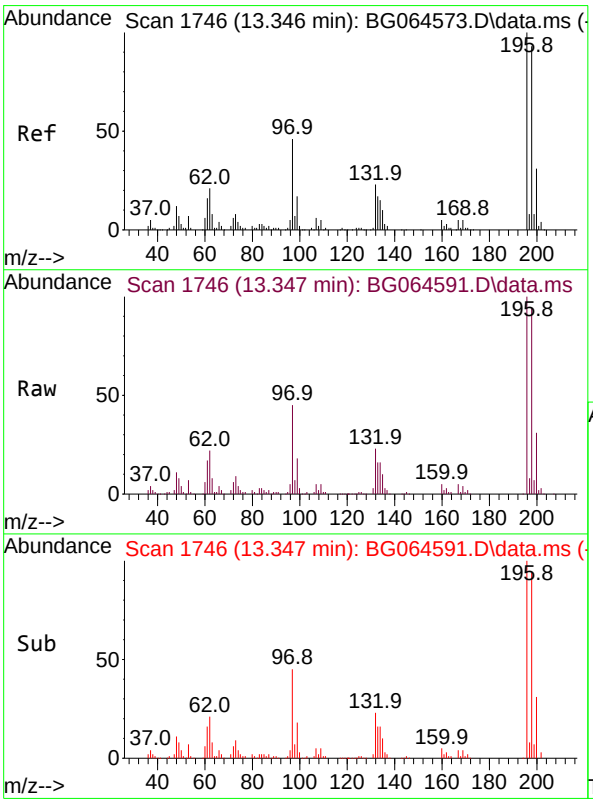
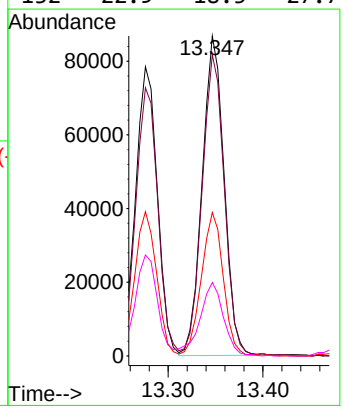
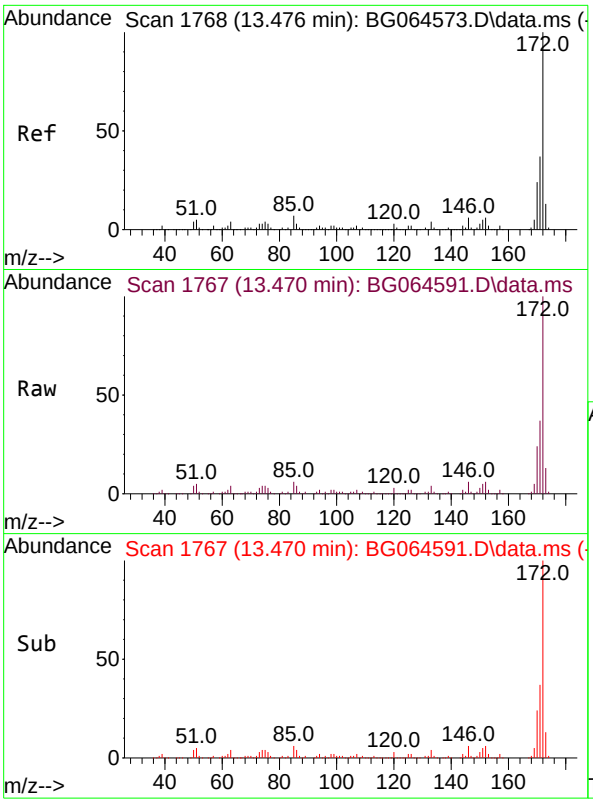


#44
2,4,5-Trichlorophenol
Concen: 53.102 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:196 Resp: 139830

Ion	Ratio	Lower	Upper
196	100		
198	94.1	74.2	111.4
97	44.8	37.0	55.6
132	22.9	18.5	27.7

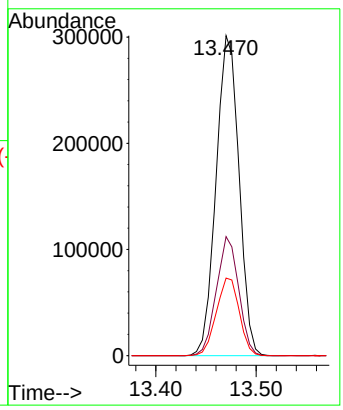




#45
2-Fluorobiphenyl
Concen: 61.005 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:172 Resp: 47840

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	24.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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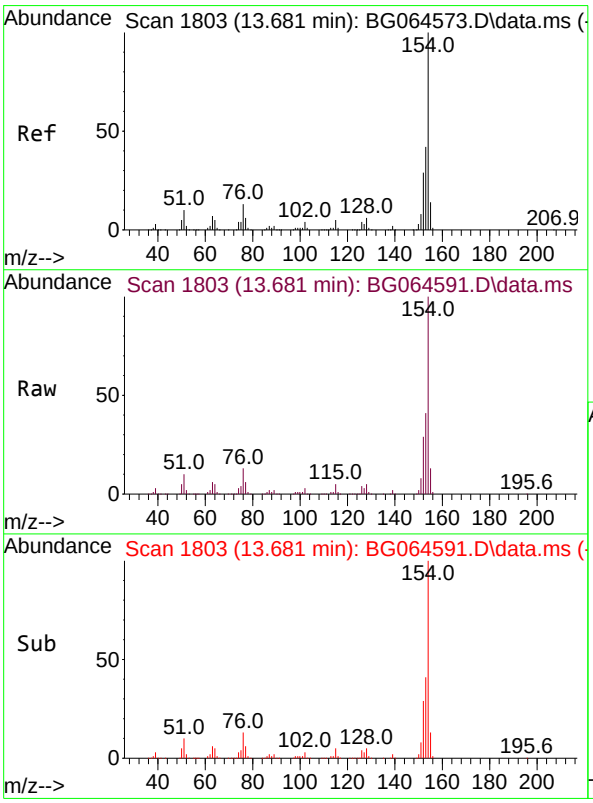
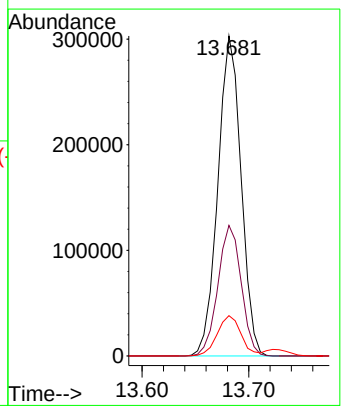
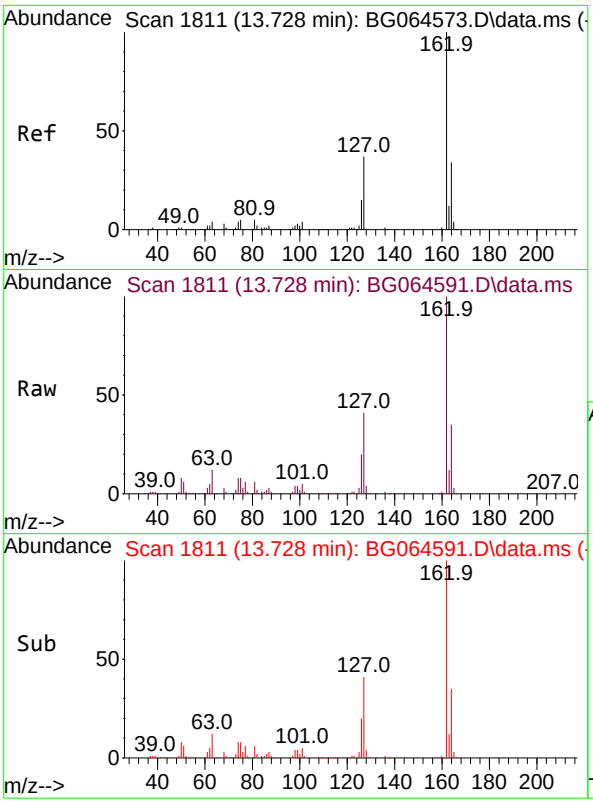


#46
1,1'-Biphenyl
Concen: 54.315 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:154 Resp: 458987

Ion	Ratio	Lower	Upper
154	100		
153	40.8	22.4	62.4
76	12.6	0.0	33.5





#47
2-Chloronaphthalene
Concen: 48.704 ng
RT: 13.728 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:162 Resp: 31066

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	34.9	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
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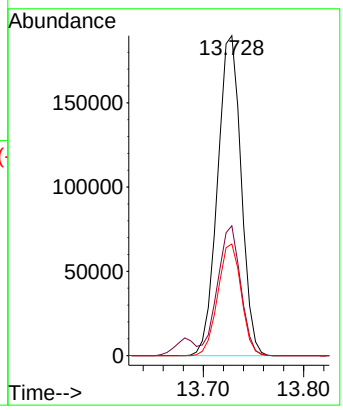
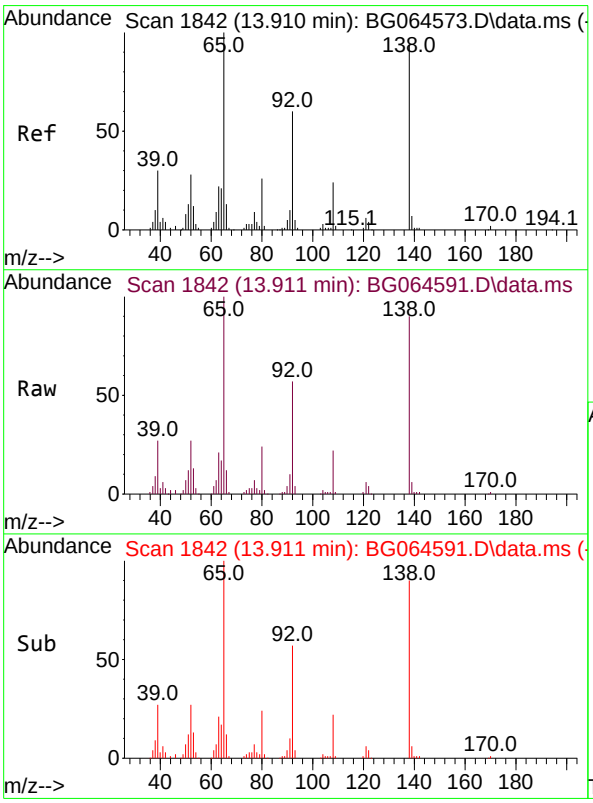
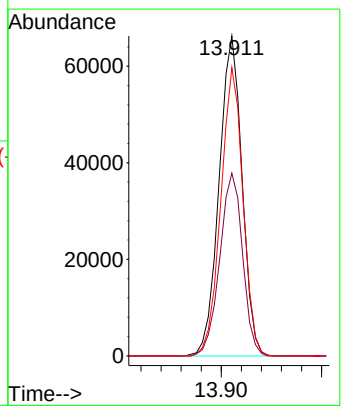


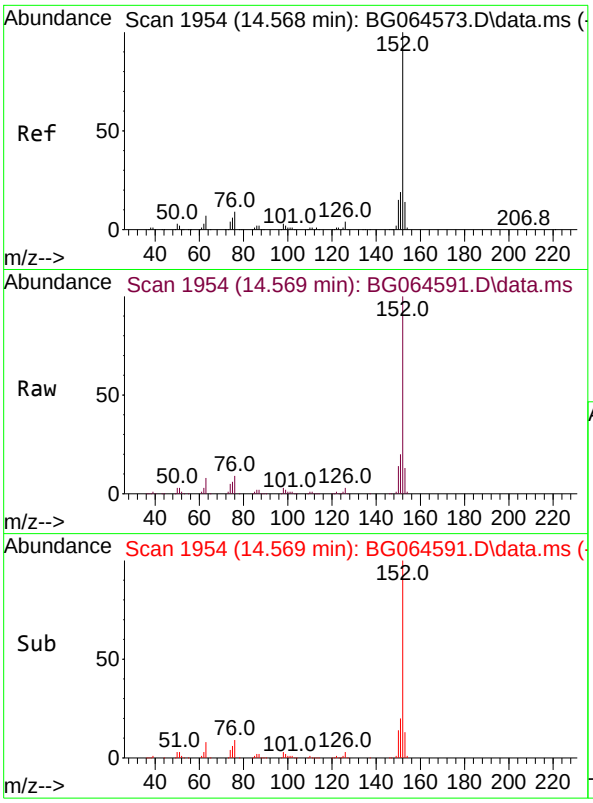


#48
2-Nitroaniline
Concen: 49.067 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 65 Resp: 105234

Ion	Ratio	Lower	Upper
65	100		
92	57.1	48.3	72.5
138	90.1	74.9	112.3

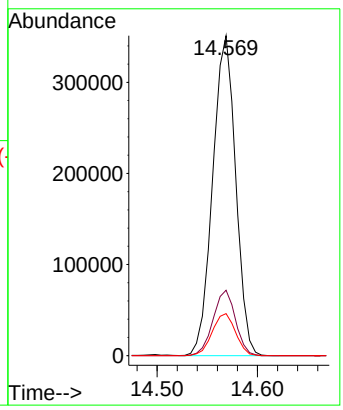




#49
Acenaphthylene
Concen: 55.662 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:152 Resp: 56002

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.2
153	13.1	11.0	16.4



Instrument :
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ClientSampleId :
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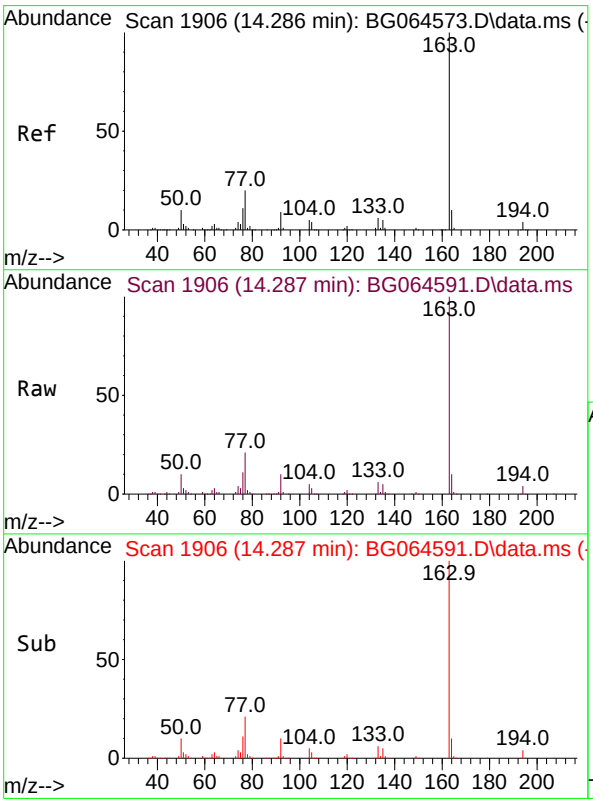
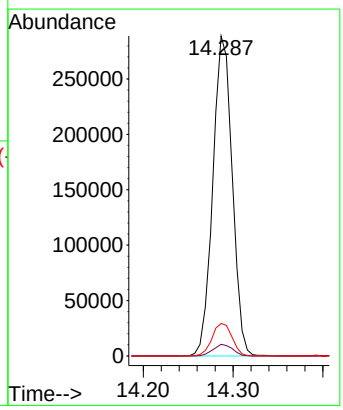
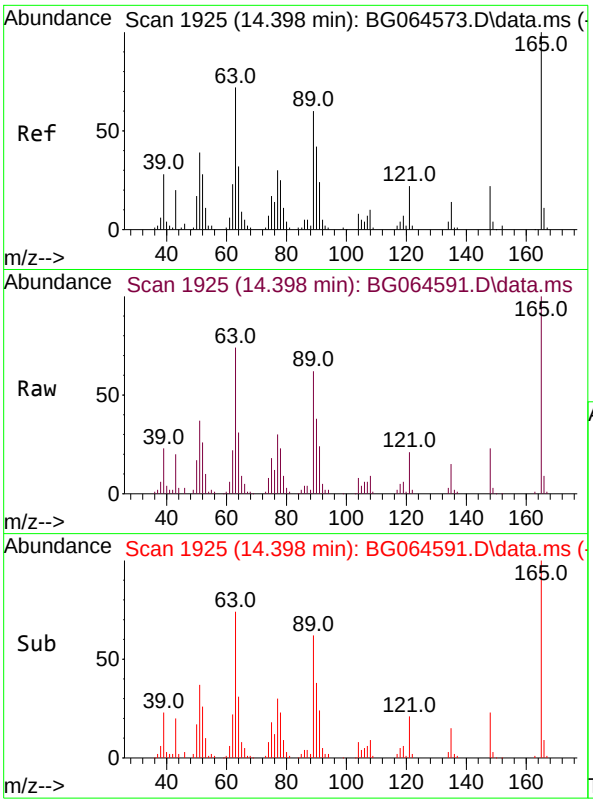


#50
Dimethylphthalate
Concen: 47.829 ng
RT: 14.287 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:163 Resp: 435033

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.2	7.7	11.5

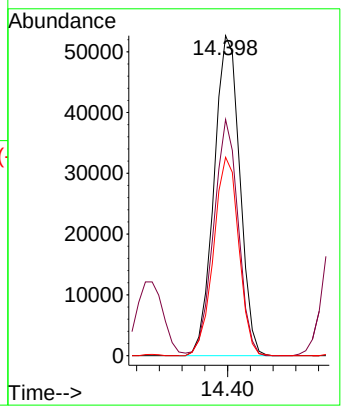




#51
2,6-Dinitrotoluene
Concen: 54.626 ng
RT: 14.398 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:165 Resp: 82691

Ion	Ratio	Lower	Upper
165	100		
63	73.8	57.4	86.0
89	62.0	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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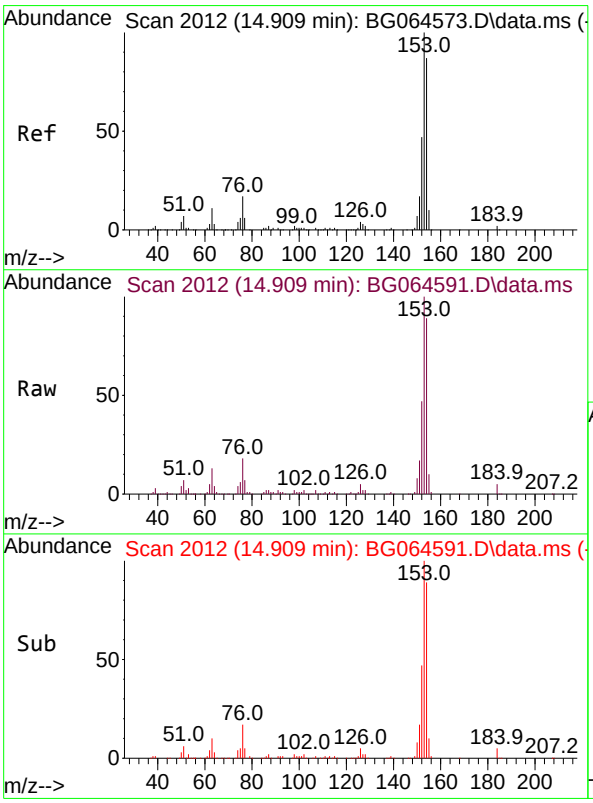
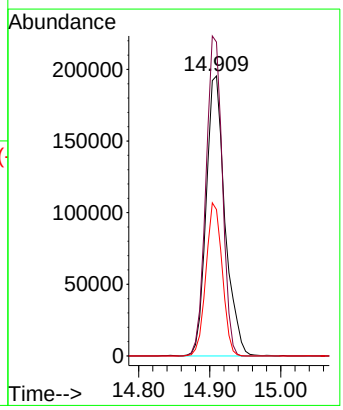
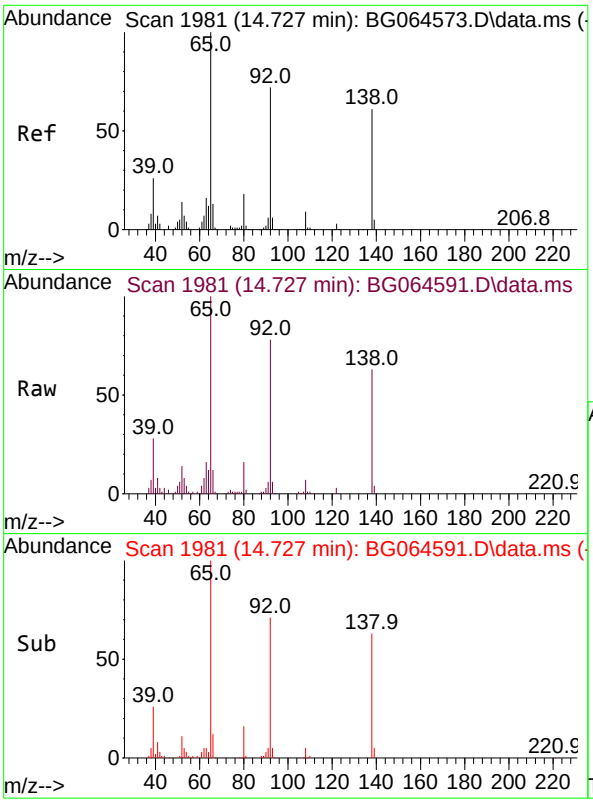


#52
Acenaphthene
Concen: 52.204 ng
RT: 14.909 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:154 Resp: 358851

Ion	Ratio	Lower	Upper
154	100		
153	112.1	92.2	138.4
152	52.3	43.2	64.8

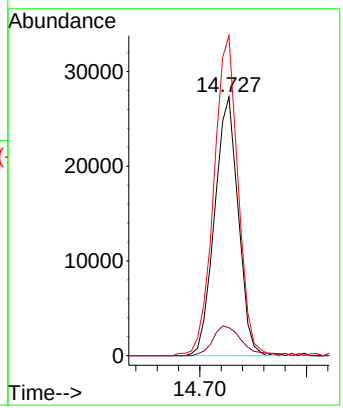




#53
3-Nitroaniline
Concen: 26.928 ng
RT: 14.727 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:138 Resp: 4209

Ion	Ratio	Lower	Upper
138	100		
108	10.8	11.4	17.0#
92	123.7	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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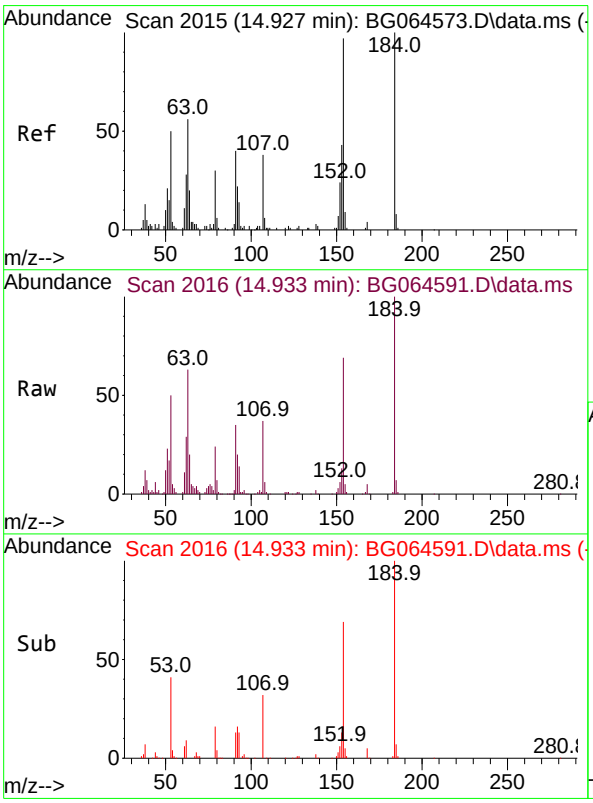
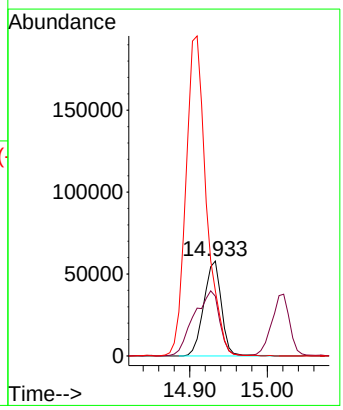
Supervised By :mohammad ahmed 11/05/2025

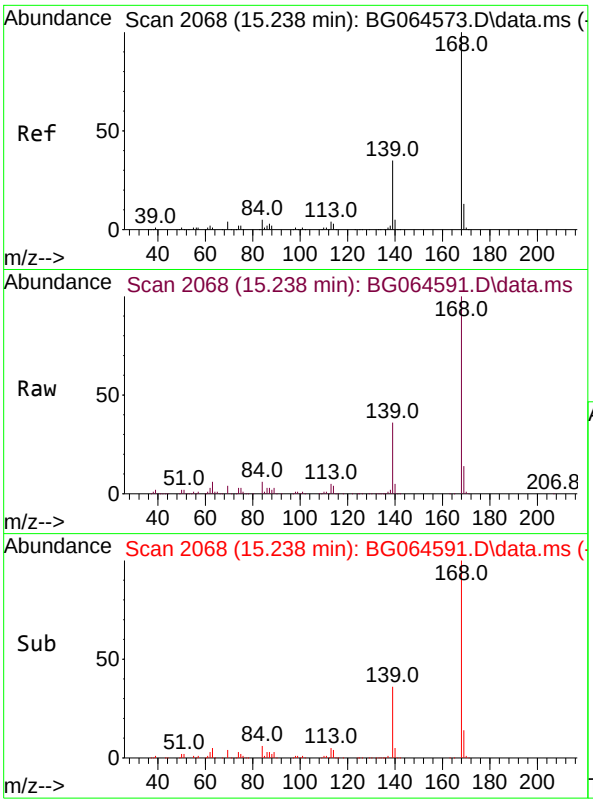


#54
2,4-Dinitrophenol
Concen: 97.430 ng
RT: 14.933 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:184 Resp: 90927

Ion	Ratio	Lower	Upper
184	100		
63	62.9	56.6	85.0
154	68.6	158.6	238.0#

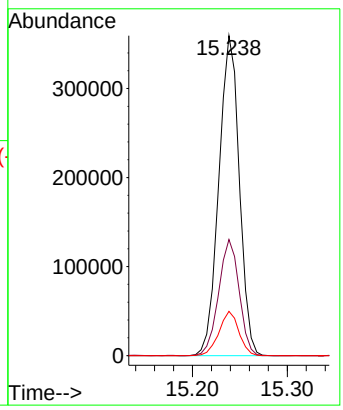




#55
Dibenzofuran
Concen: 48.413 ng
RT: 15.238 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:168 Resp: 53802

Ion	Ratio	Lower	Upper
168	100		
139	36.3	27.8	41.8
169	13.8	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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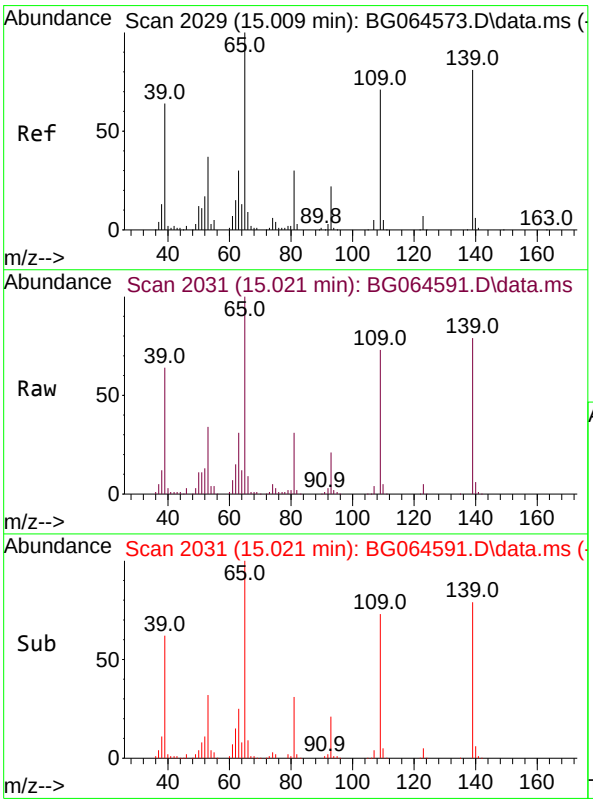
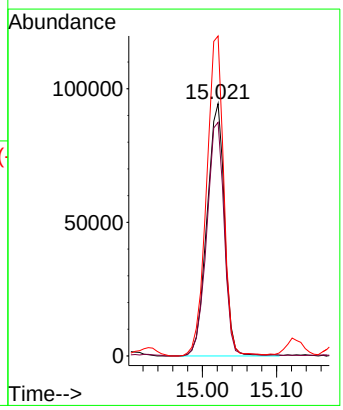
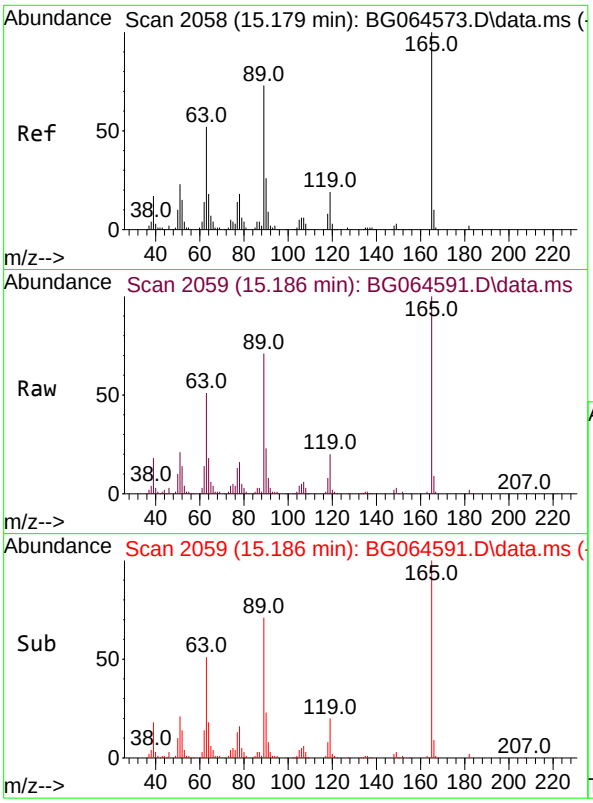


#56
4-Nitrophenol
Concen: 106.812 ng
RT: 15.021 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:139 Resp: 154795

Ion	Ratio	Lower	Upper
139	100		
109	92.5	67.8	107.8
65	126.8	103.7	143.7

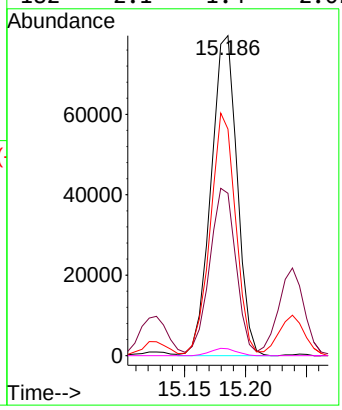




#57
2,4-Dinitrotoluene
Concen: 50.860 ng
RT: 15.186 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:165 Resp: 11846

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	70.8	58.1	87.1
182	2.1	1.4	2.0#



Instrument :
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ClientSampleId :
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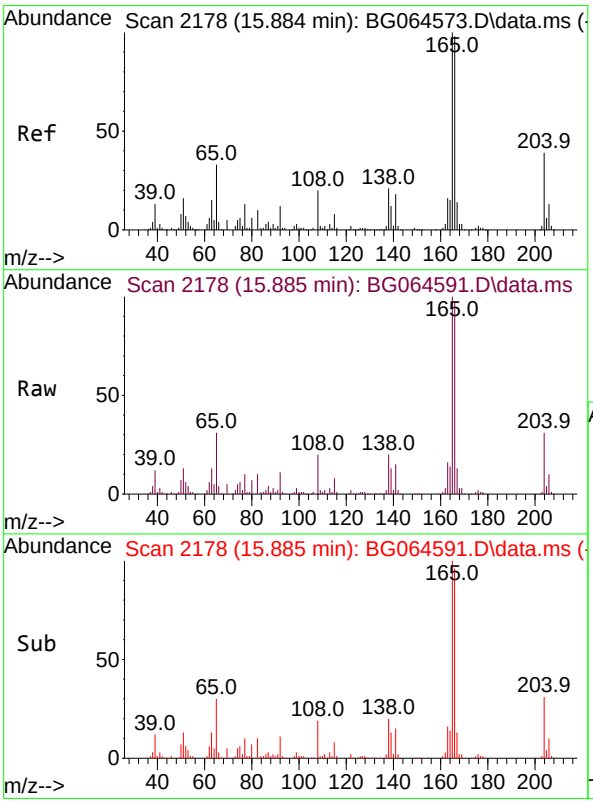
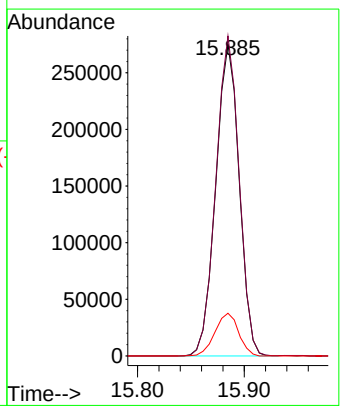
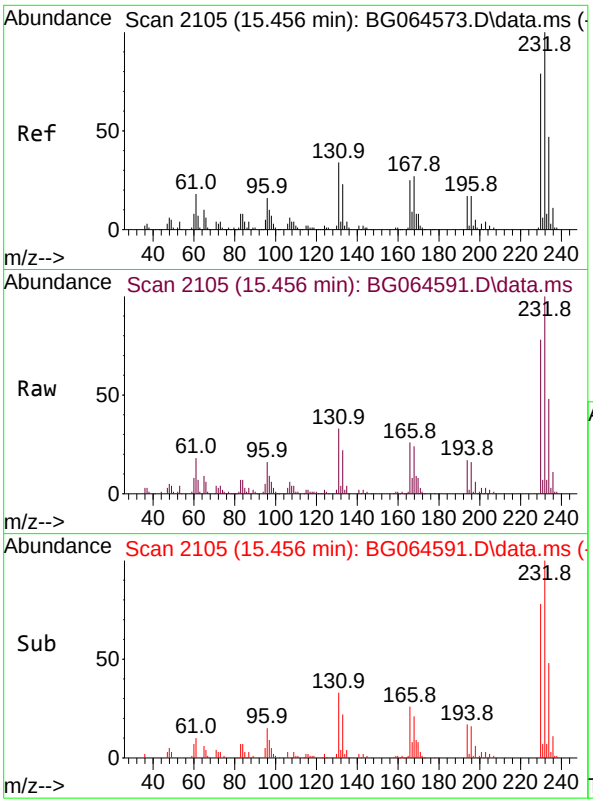


#58
Fluorene
Concen: 48.608 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:166 Resp: 421871

Ion	Ratio	Lower	Upper
166	100		
165	102.7	81.5	122.3
167	13.7	11.4	17.0

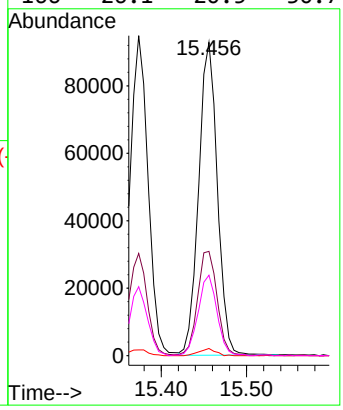




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.146 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:232 Resp: 14137

Ion	Ratio	Lower	Upper
232	100		
131	35.1	26.7	40.1
130	2.0	1.6	2.4
166	26.1	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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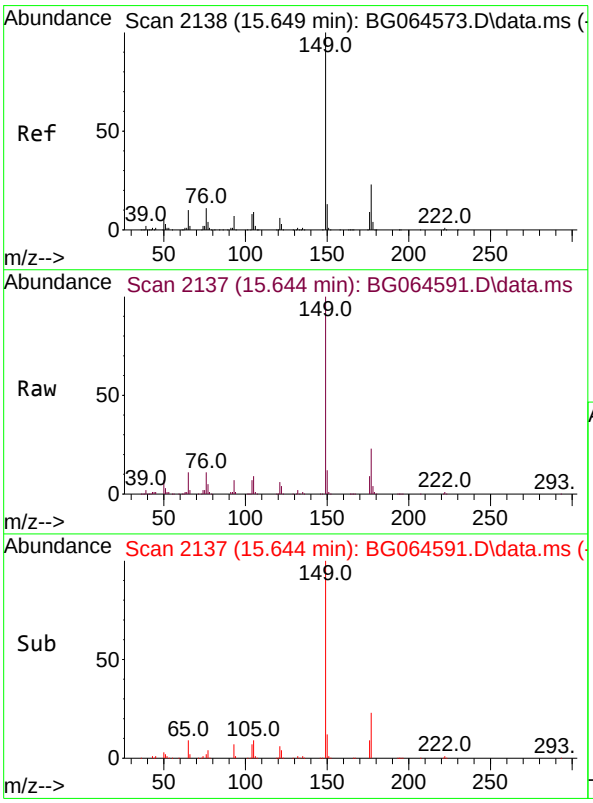
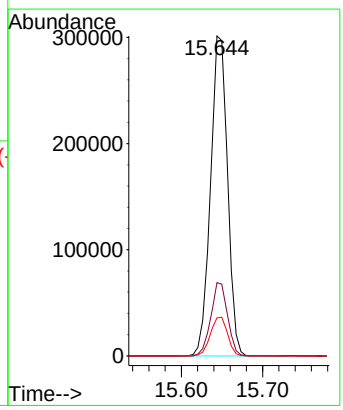
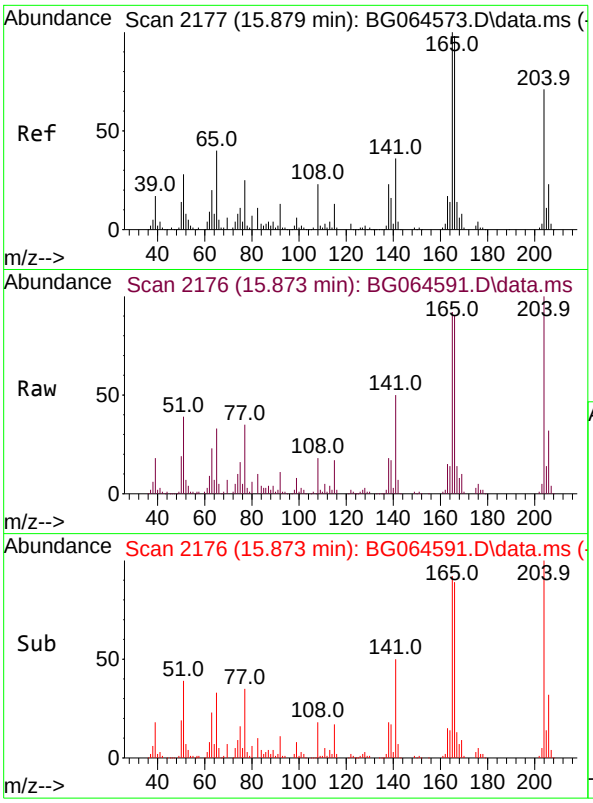


#60
Diethylphthalate
Concen: 47.174 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:149 Resp: 438111

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.0	27.0
150	11.9	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 48.149 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:204 Resp: 234514

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
TP-10MS

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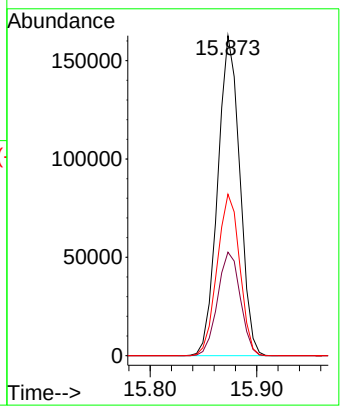
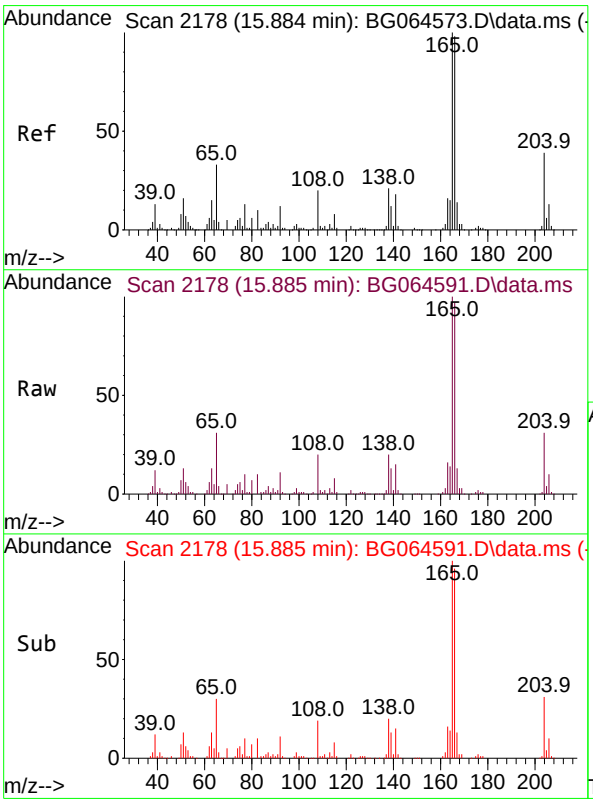
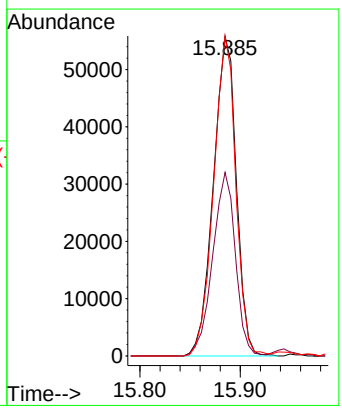


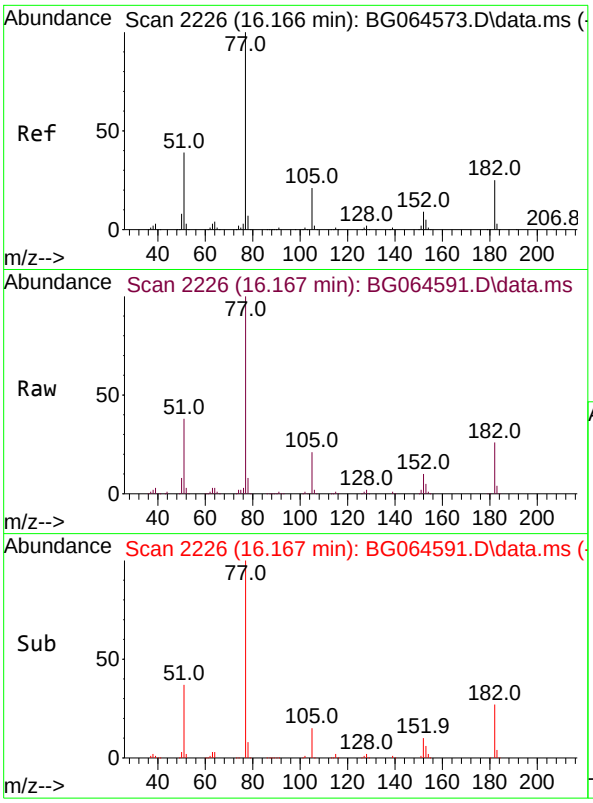


#62
4-Nitroaniline
Concen: 50.993 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:138 Resp: 88677

Ion	Ratio	Lower	Upper
138	100		
92	57.4	36.1	76.1
108	100.2	75.6	115.6

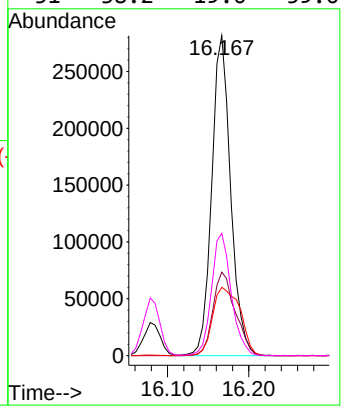




#63
Azobenzene
Concen: 53.529 ng
RT: 16.167 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion: 77 Resp: 45613

Ion	Ratio	Lower	Upper
77	100		
182	26.1	4.9	44.9
105	21.3	1.3	41.3
51	38.2	19.0	59.0



Instrument :
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ClientSampleId :
TP-10MS

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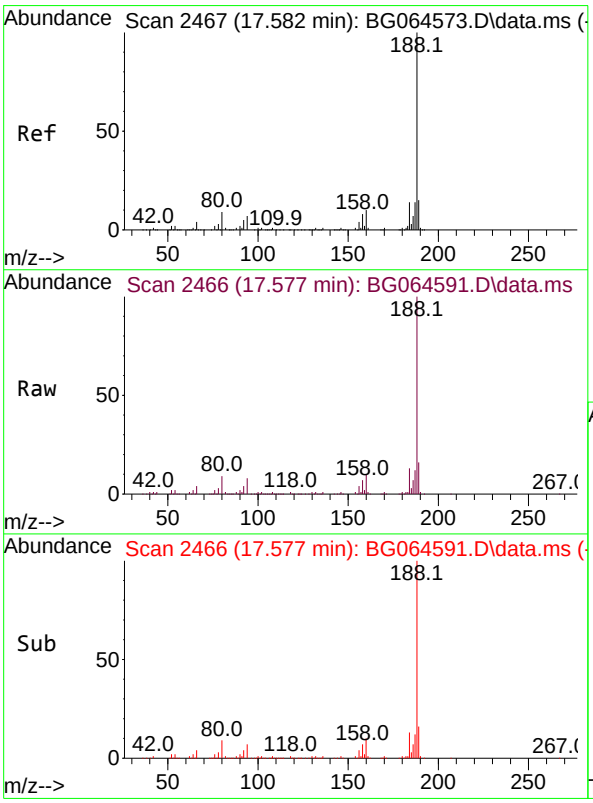
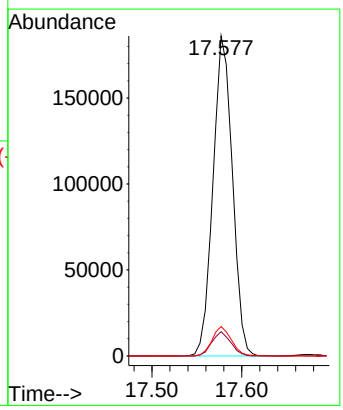
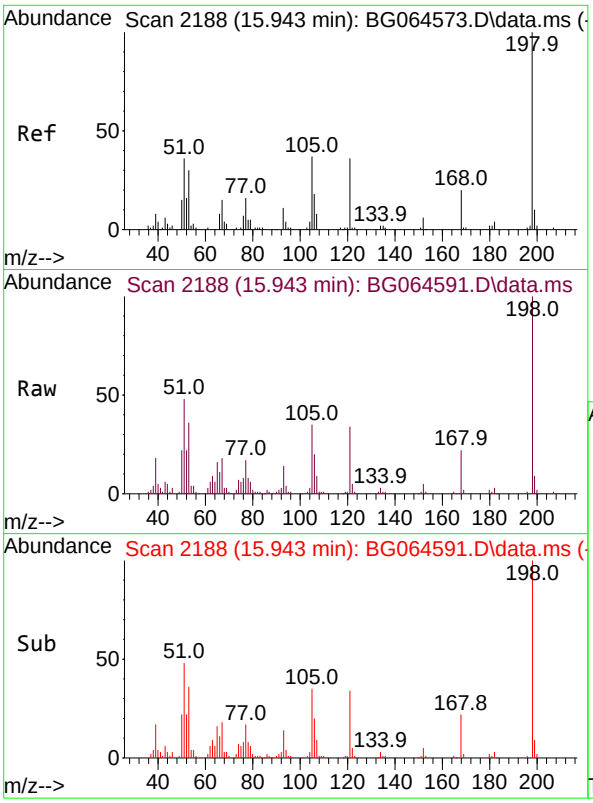


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:188 Resp: 281370

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	9.2	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 51.557 ng
RT: 15.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:198 Resp: 6439

Ion	Ratio	Lower	Upper
198	100		
51	48.3	24.7	64.7
105	35.4	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
TP-10MS

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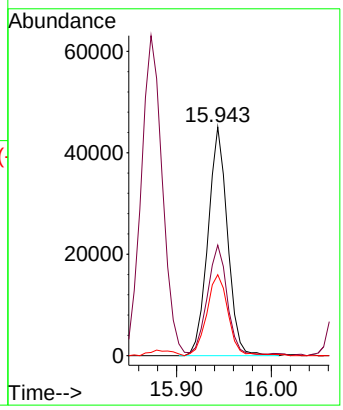
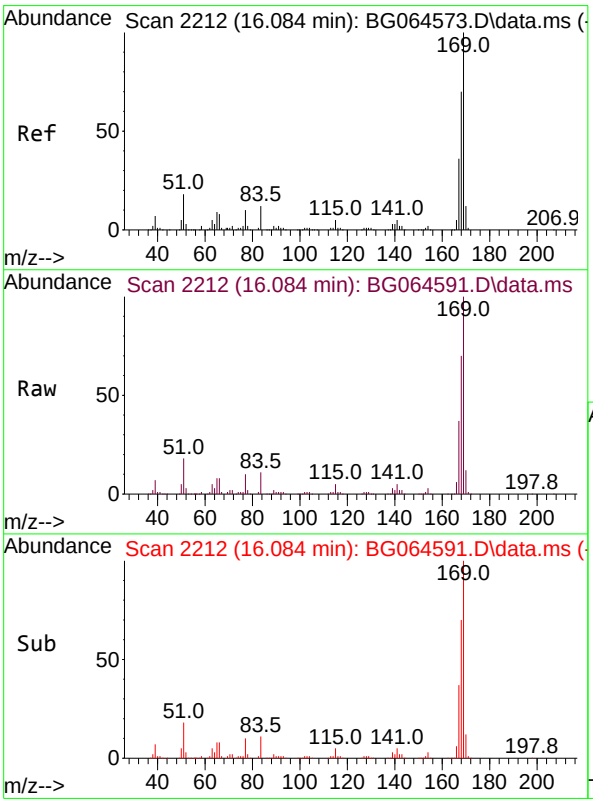
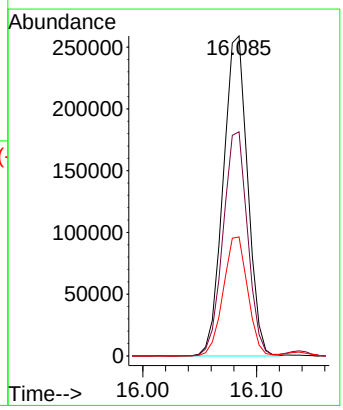


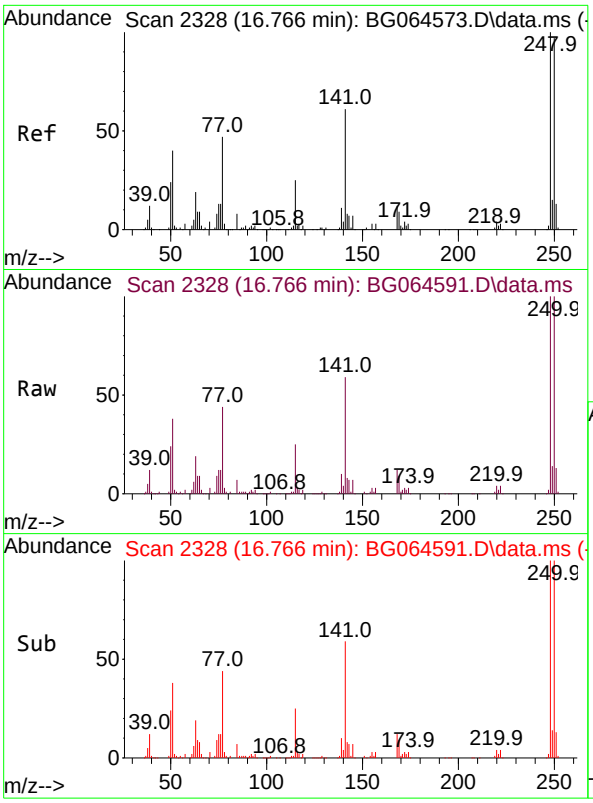


#66
n-Nitrosodiphenylamine
Concen: 50.908 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:169 Resp: 386929

Ion	Ratio	Lower	Upper
169	100		
168	70.0	56.3	84.5
167	37.2	29.0	43.6

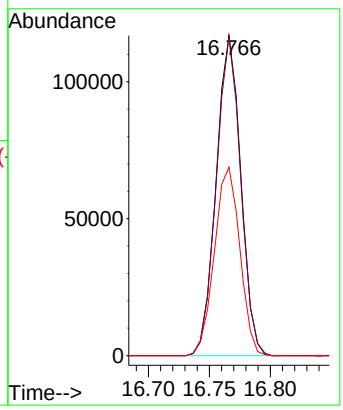




#67
4-Bromophenyl-phenylether
Concen: 49.235 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:248 Resp: 16416

Ion	Ratio	Lower	Upper
248	100		
250	99.5	77.7	116.5
141	58.9	48.6	72.8



Instrument :
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ClientSampleId :
TP-10MS

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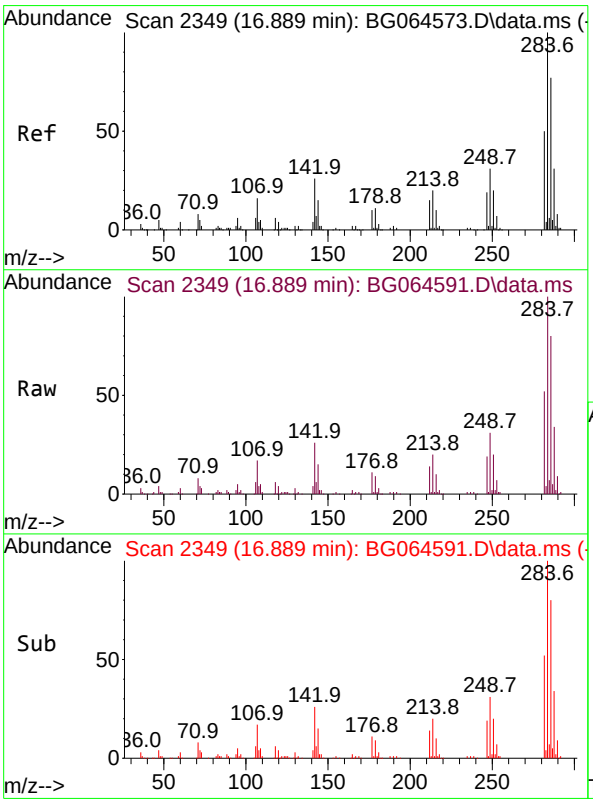
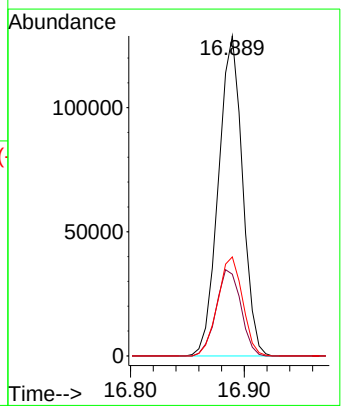
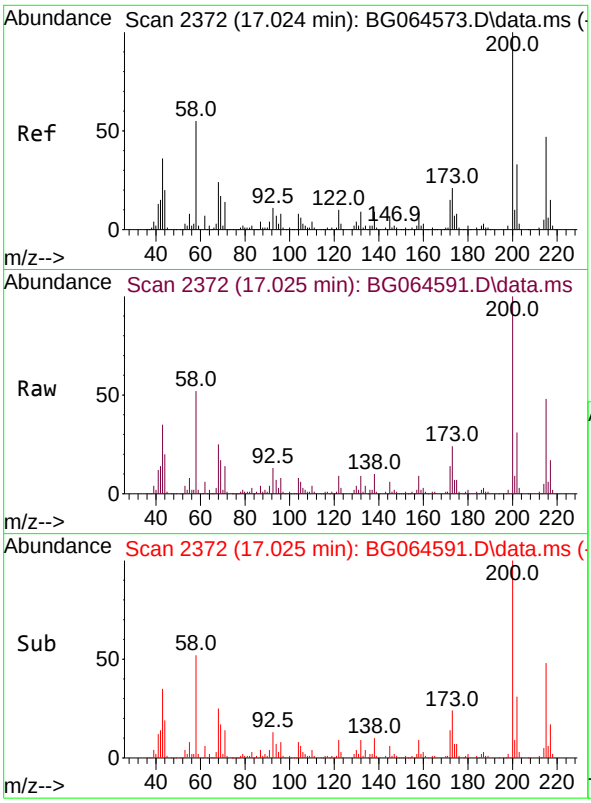


#68
Hexachlorobenzene
Concen: 49.771 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:284 Resp: 189325

Ion	Ratio	Lower	Upper
284	100		
142	25.5	21.0	31.6
249	30.9	24.9	37.3

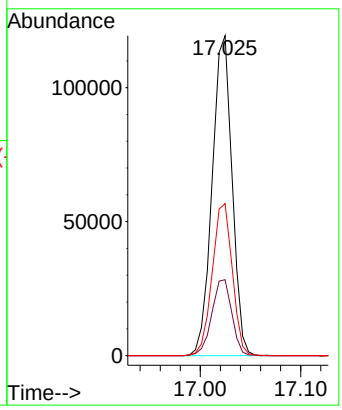




#69
Atrazine
Concen: 50.404 ng
RT: 17.025 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:200 Resp: 16486

Ion	Ratio	Lower	Upper
200	100		
173	23.7	0.9	40.9
215	47.5	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
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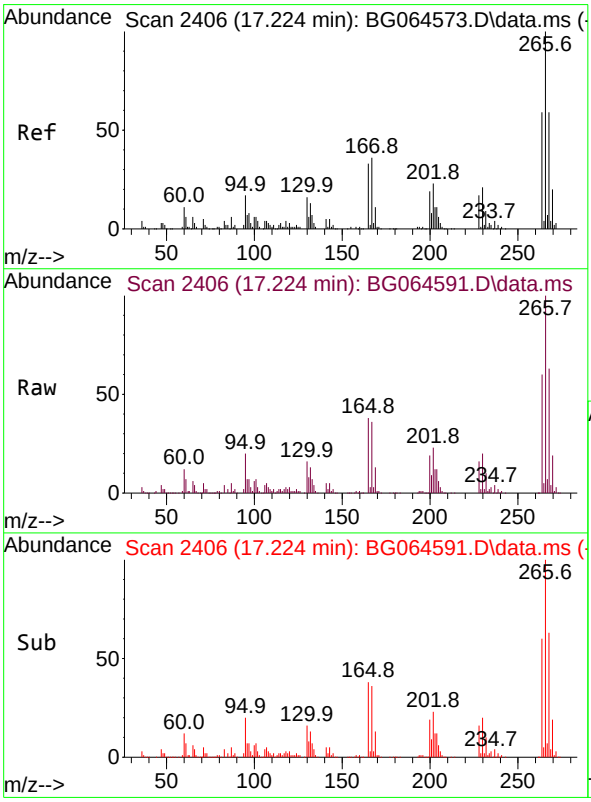
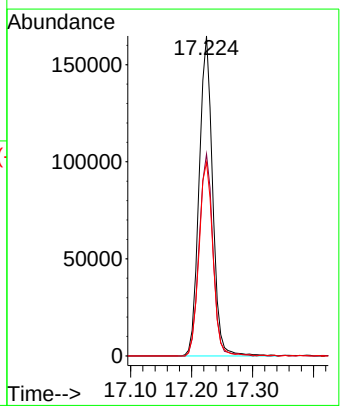
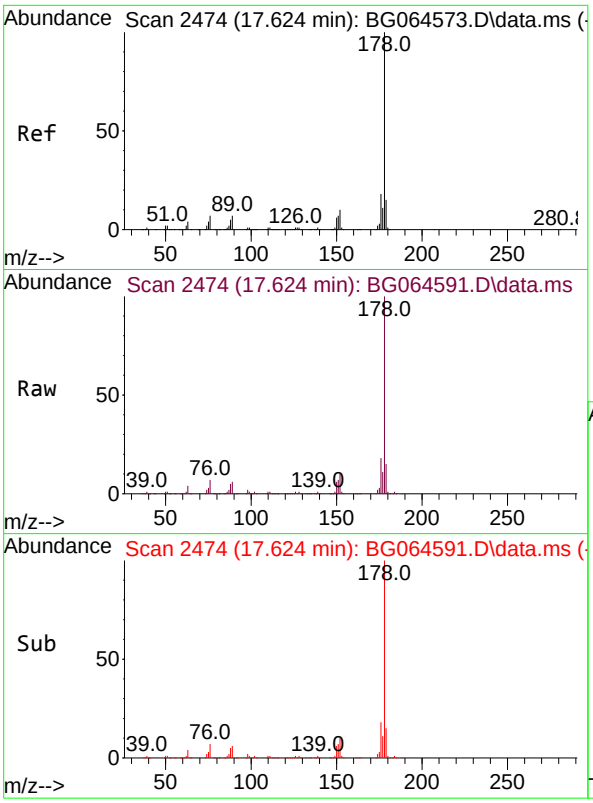


#70
Pentachlorophenol
Concen: 106.431 ng
RT: 17.224 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:266 Resp: 252462

Ion	Ratio	Lower	Upper
266	100		
268	67.3	50.3	75.5
264	65.4	47.3	70.9

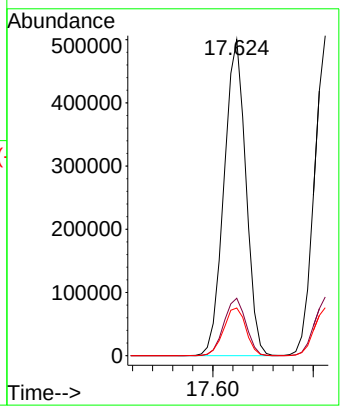




#71
Phenanthrene
Concen: 49.011 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:178 Resp: 75413

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.0	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
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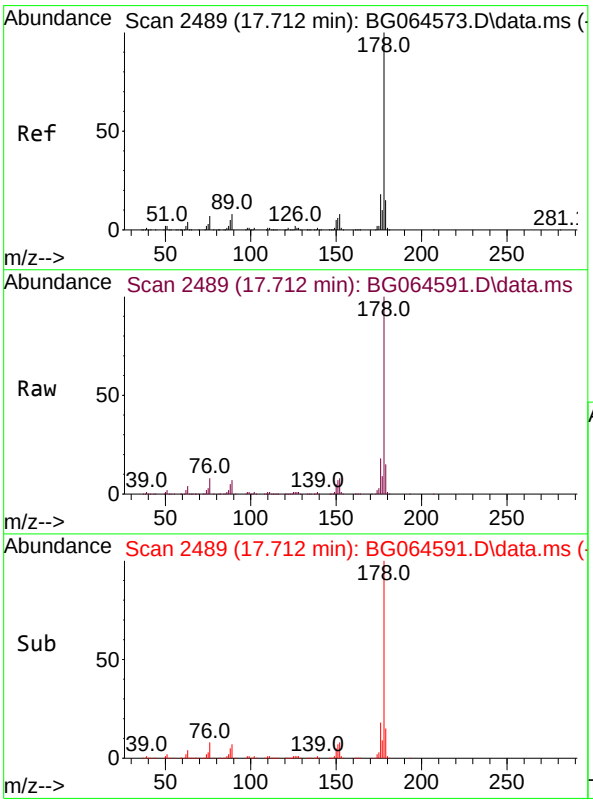
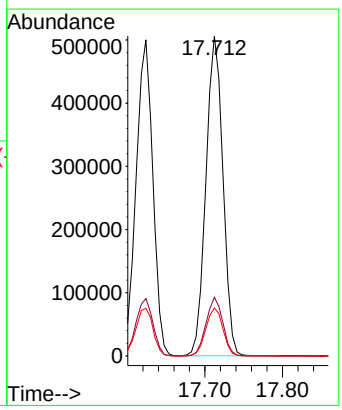
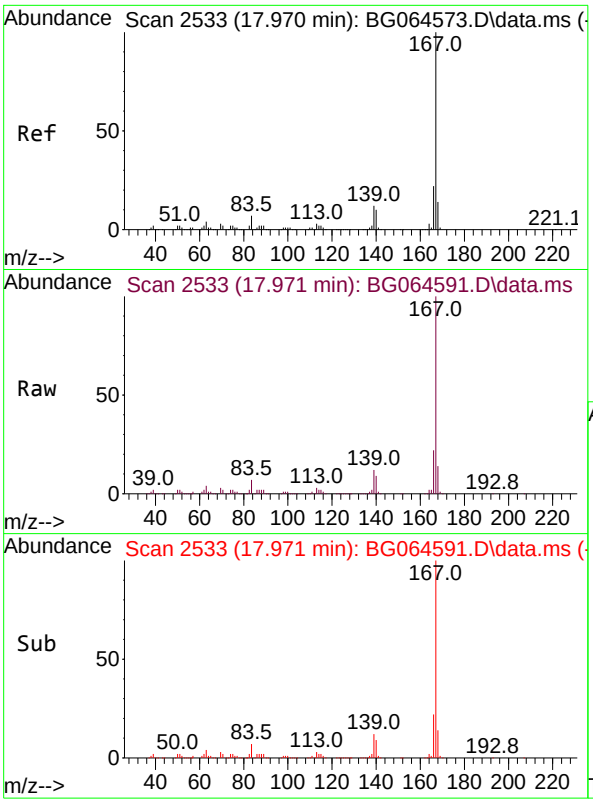


#72
Anthracene
Concen: 49.248 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:178 Resp: 770848

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.4	21.6
179	15.0	12.4	18.6

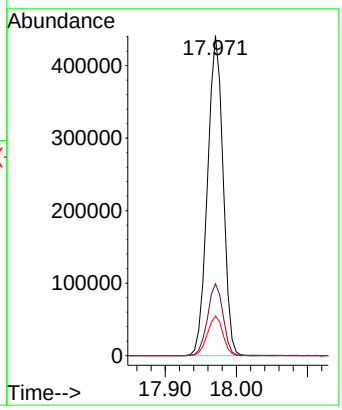




#73
Carbazole
Concen: 48.526 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:167 Resp: 66977

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.4	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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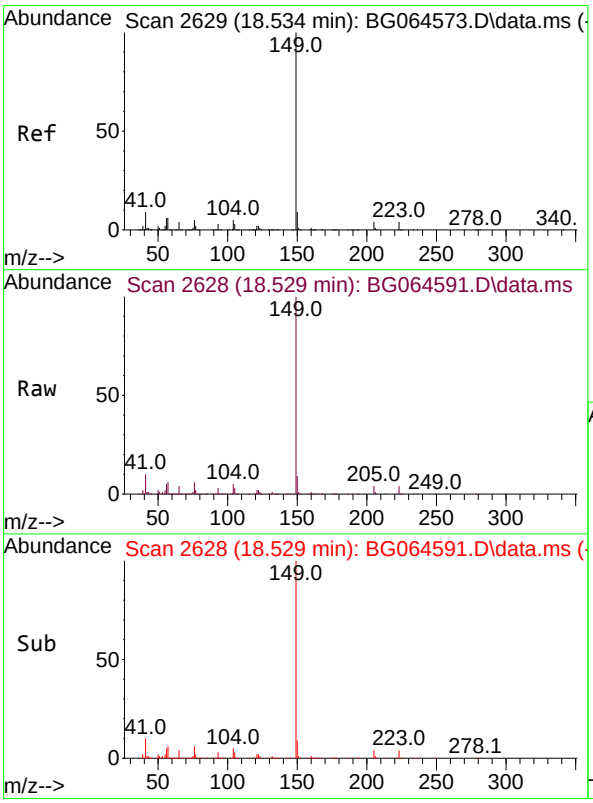
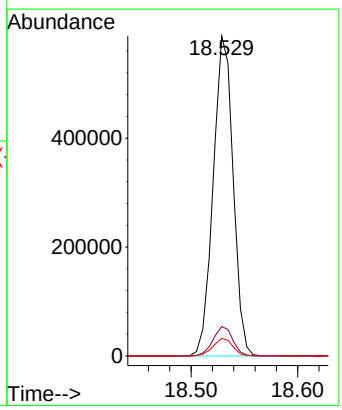
Supervised By :mohammad ahmed 11/05/2025

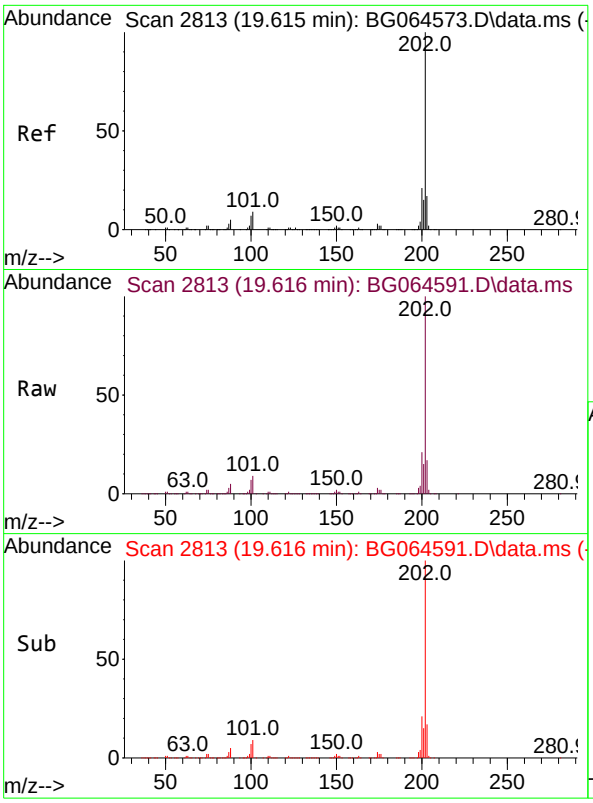


#74
Di-n-butylphthalate
Concen: 47.839 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:149 Resp: 763539

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1

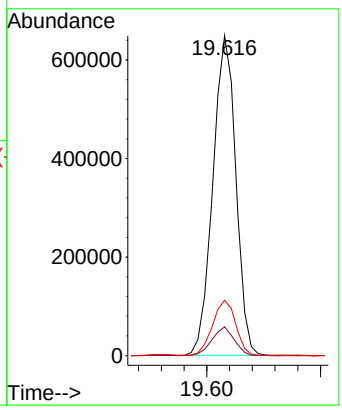




#75
Fluoranthene
Concen: 47.105 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:202 Resp: 90799

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.3	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
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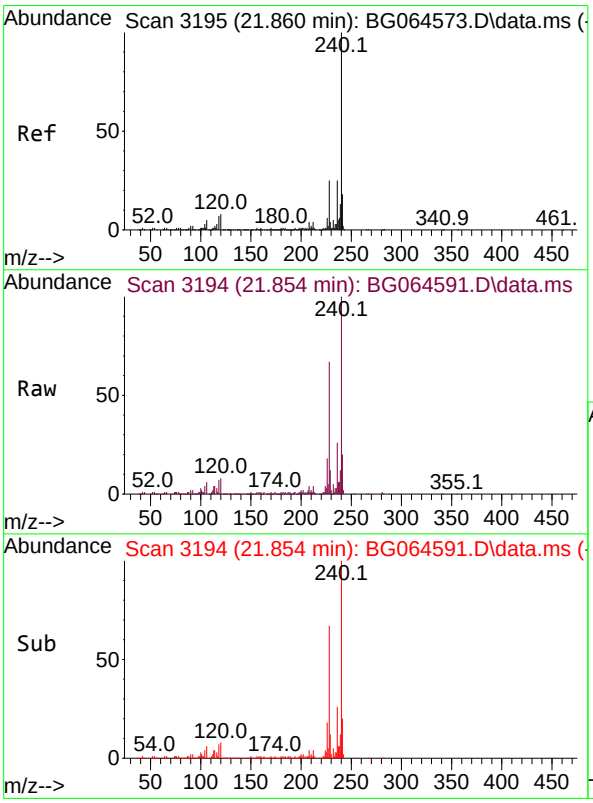
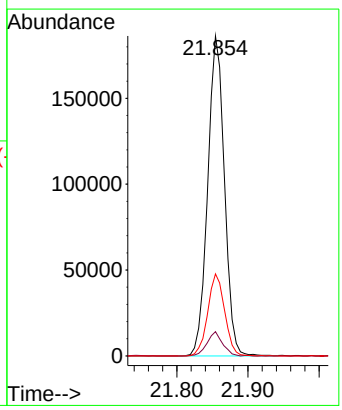
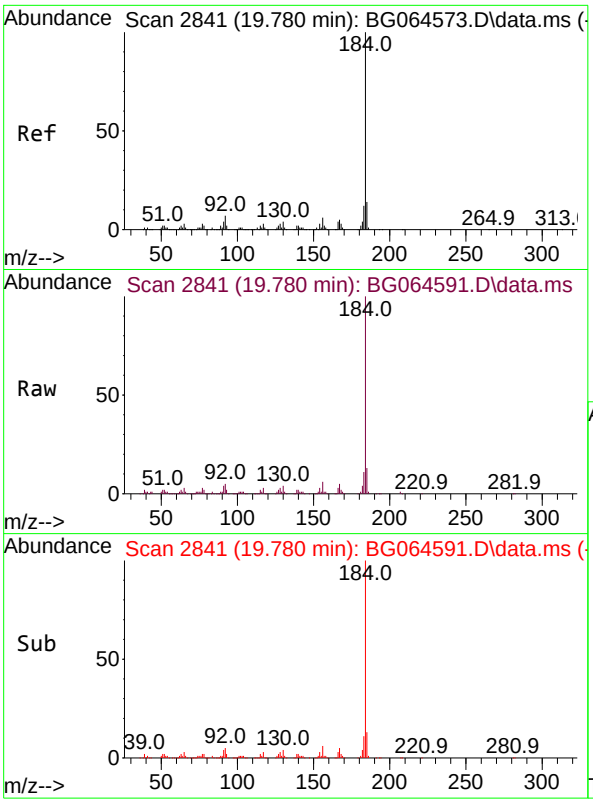


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:240 Resp: 304154

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.6	20.2	30.2

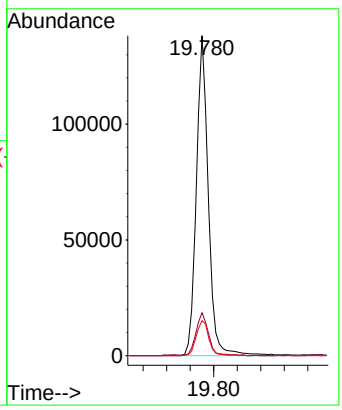




#77
Benzidine
Concen: 28.603 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:184 Resp: 19491

Ion	Ratio	Lower	Upper
184	100		
185	13.4	11.4	17.2
183	10.9	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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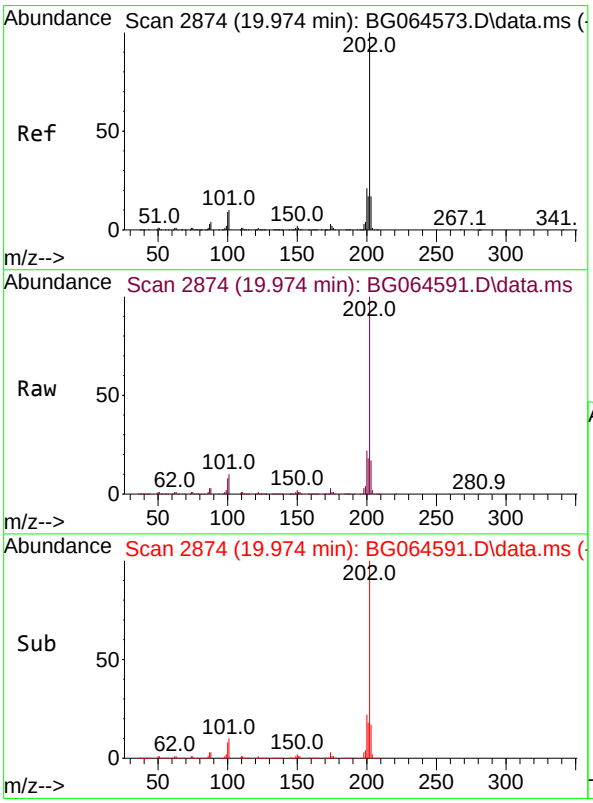
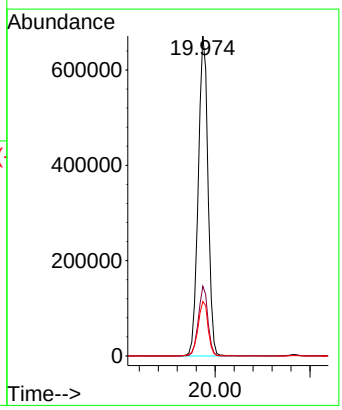
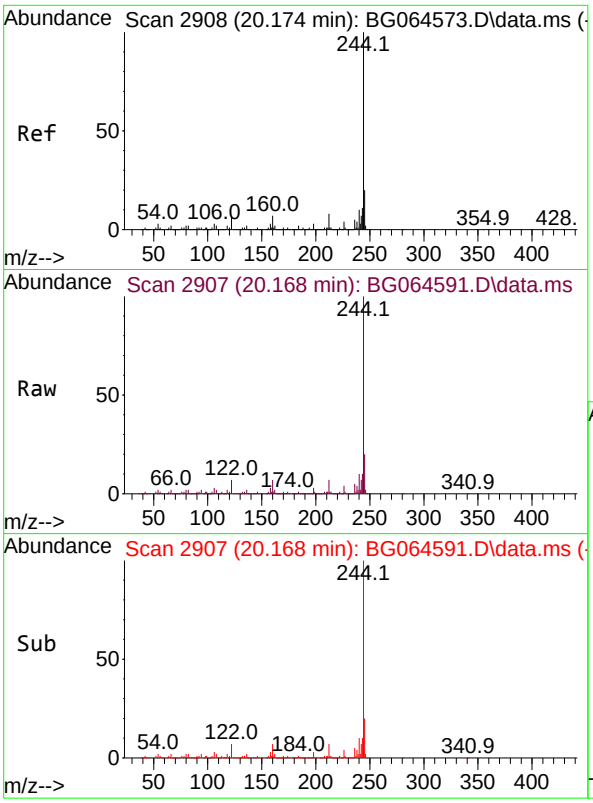


#78
Pyrene
Concen: 48.280 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:202 Resp: 959415

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.4
203	17.0	13.8	20.6





#79
Terphenyl-d14
Concen: 61.345 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:244 Resp: 98868

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.8	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
TP-10MS

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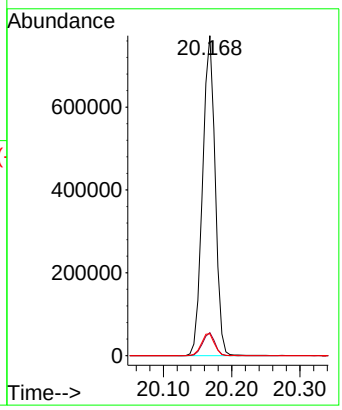
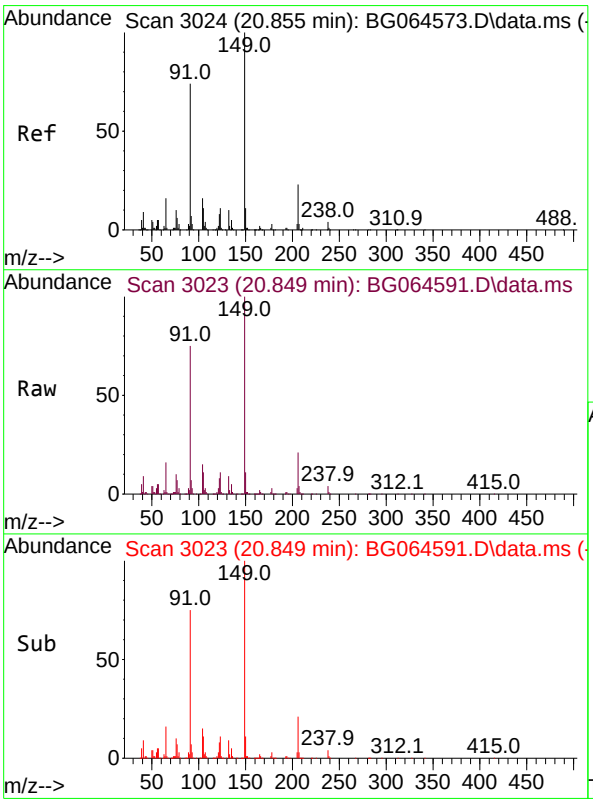
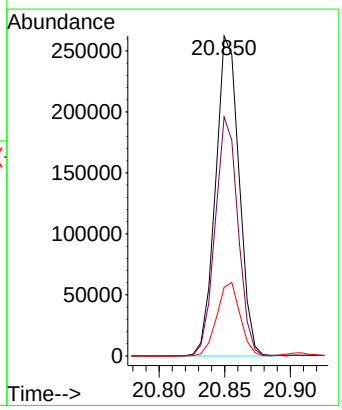


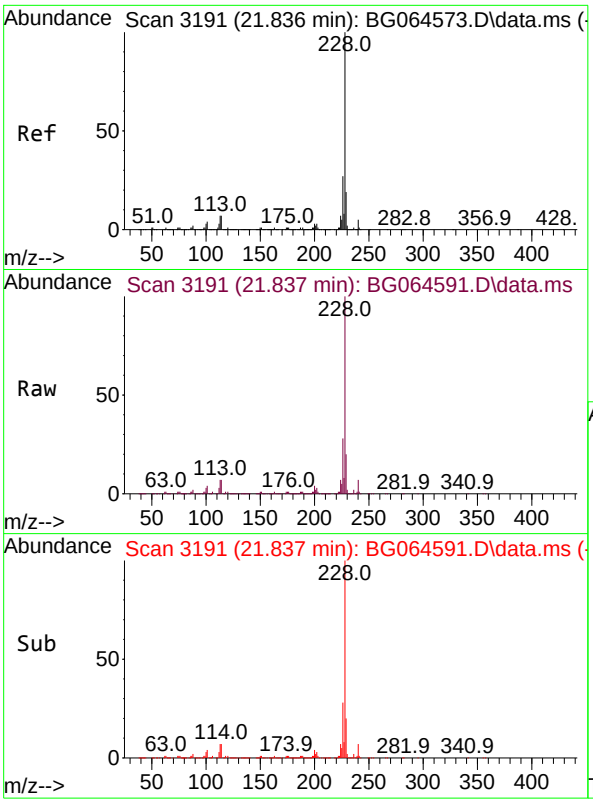


#80
Butylbenzylphthalate
Concen: 54.443 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:149 Resp: 326982

Ion	Ratio	Lower	Upper
149	100		
91	74.7	59.2	88.8
206	21.4	18.1	27.1

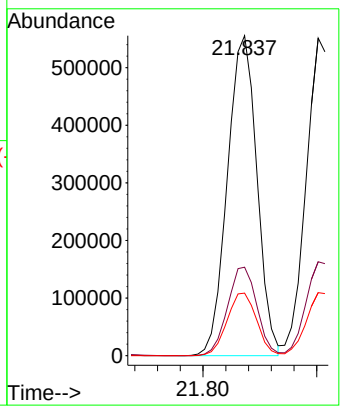




#81
Benzo(a)anthracene
Concen: 49.652 ng
RT: 21.837 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:228 Resp: 100133

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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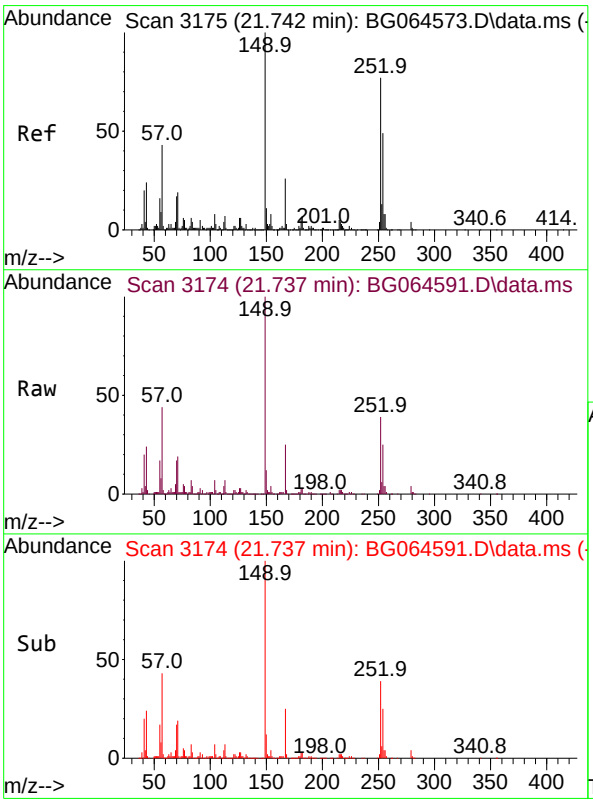
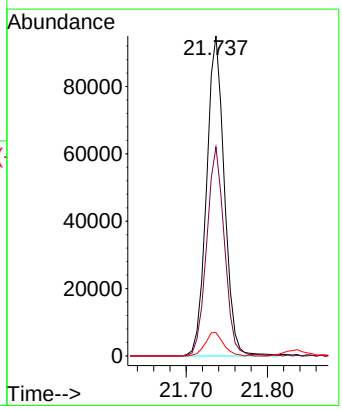
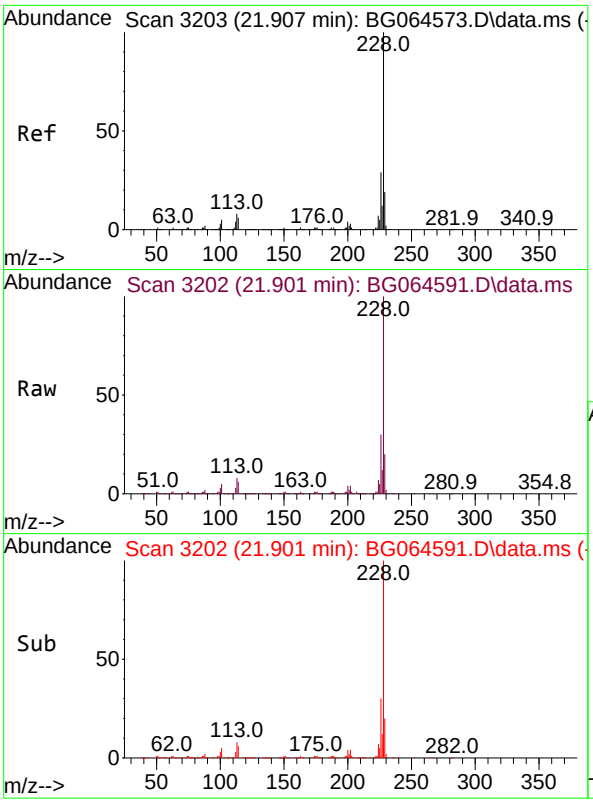


#82
3,3'-Dichlorobenzidine
Concen: 21.474 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:252 Resp: 144619

Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.8	76.2
126	7.3	5.8	8.6





#83
Chrysene
Concen: 48.999 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:228 Resp: 94026

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.3	34.9
229	19.8	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
TP-10MS

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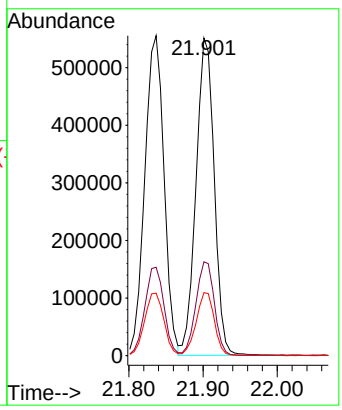
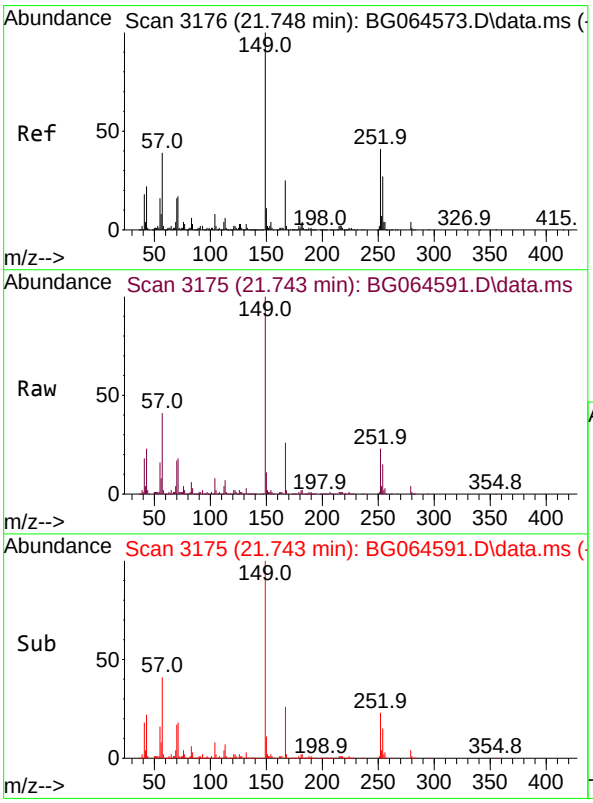
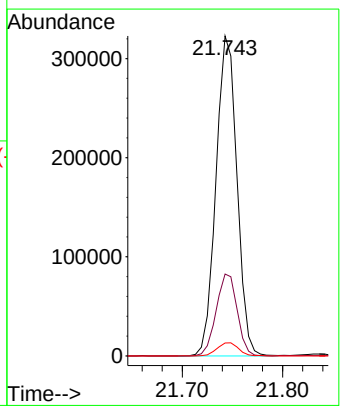


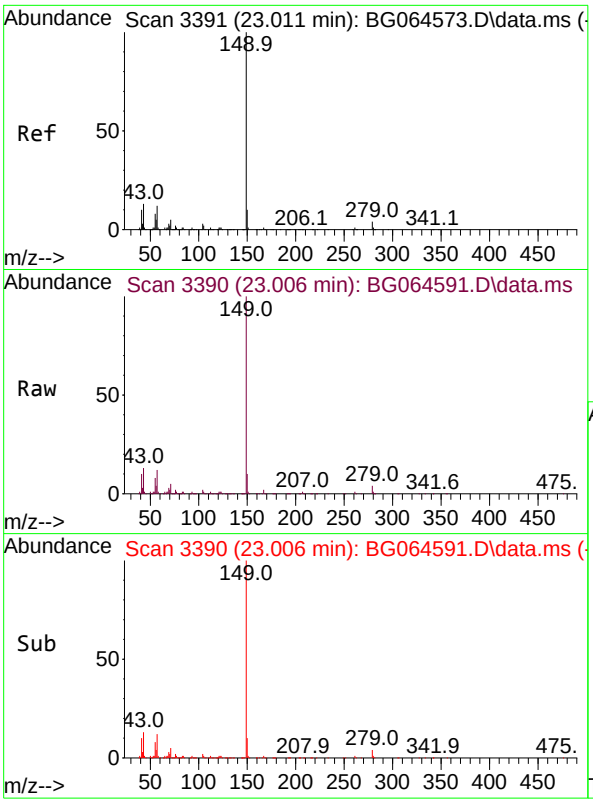


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.327 ng
RT: 21.743 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:149 Resp: 469605

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.0	30.0
279	4.0	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 53.101 ng
RT: 23.006 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:149 Resp: 80345

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.8	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
TP-10MS

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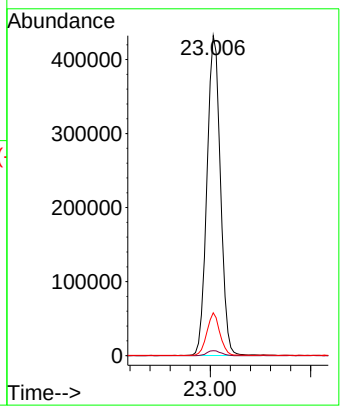
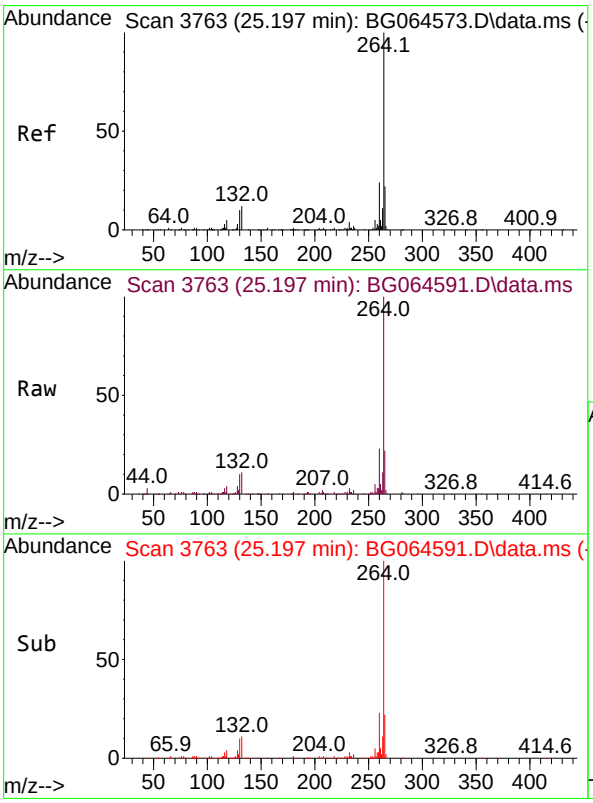
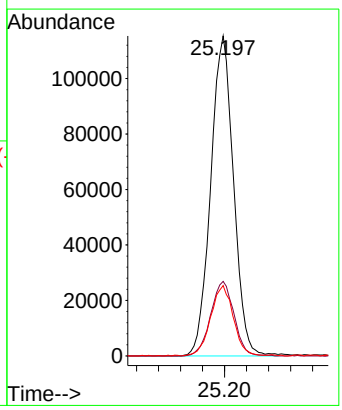


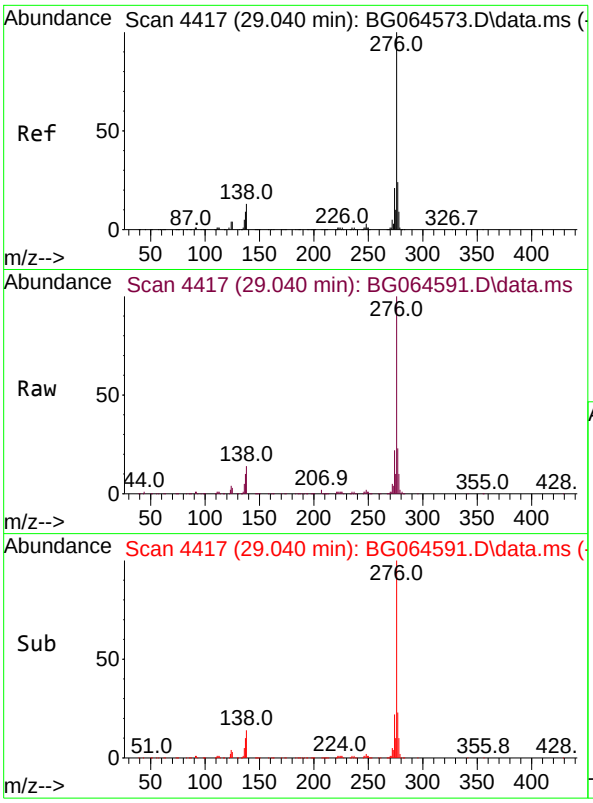


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:264 Resp: 332284

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.0	17.6	26.4

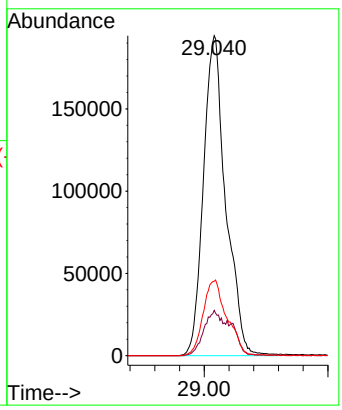




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.877 ng
RT: 29.040 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:276 Resp: 121919

Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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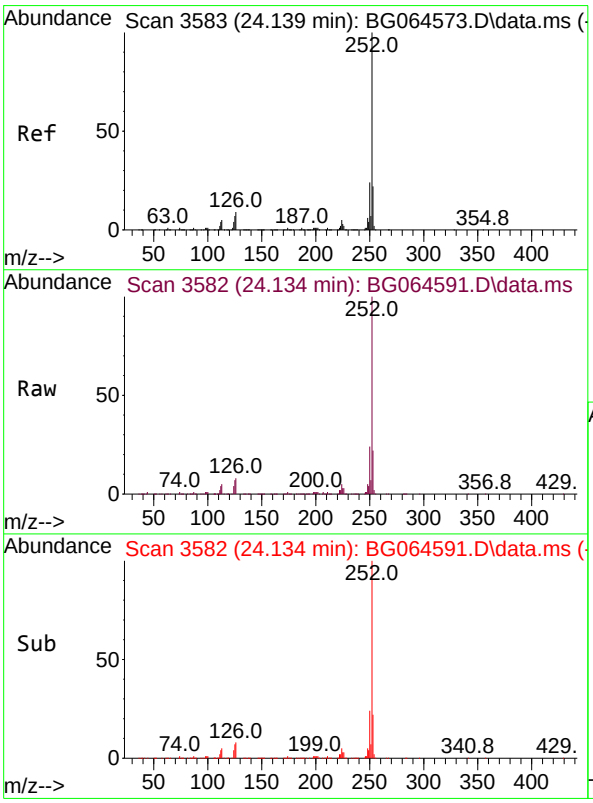
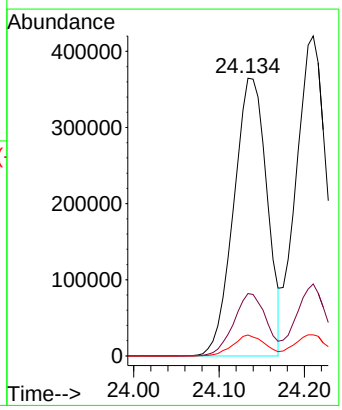
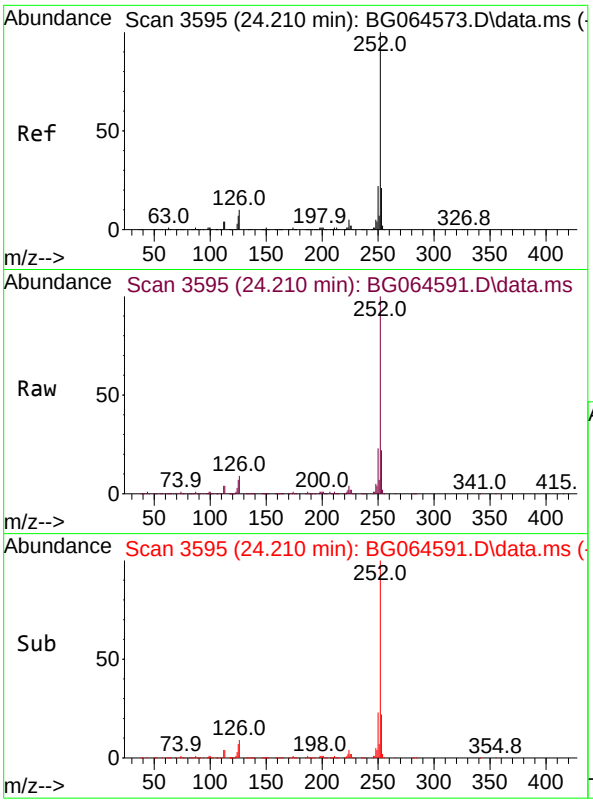


#88
Benzo(b)fluoranthene
Concen: 48.527 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.006 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:252 Resp: 988760

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	7.5	5.6	8.4

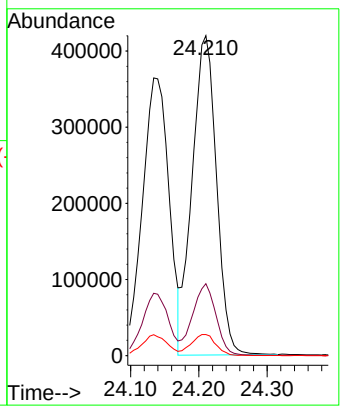




#89
Benzo(k)fluoranthene
Concen: 51.050 ng
RT: 24.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:252 Resp: 104088

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	6.6	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
TP-10MS

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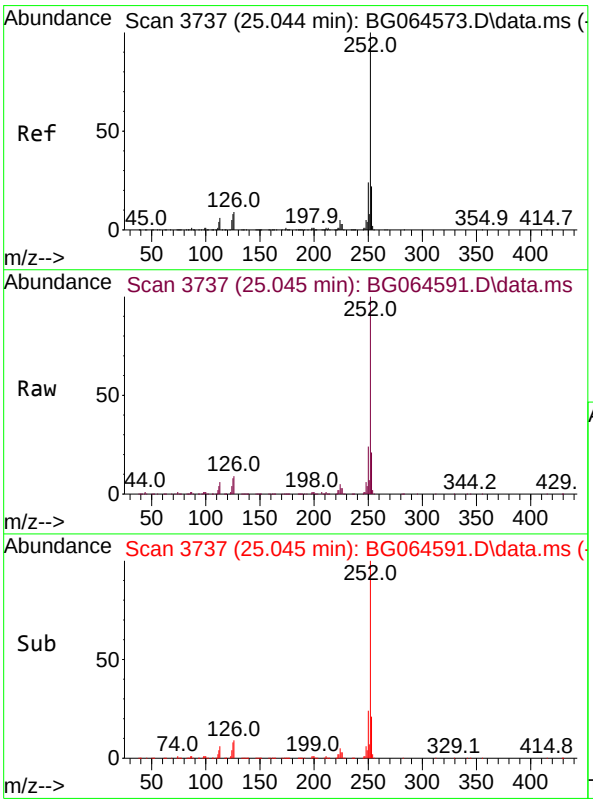
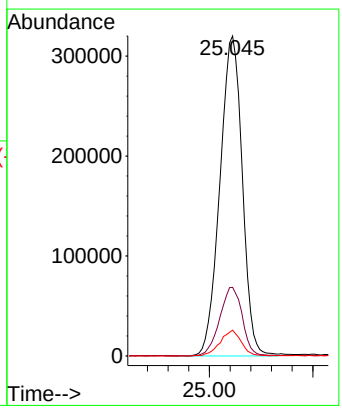
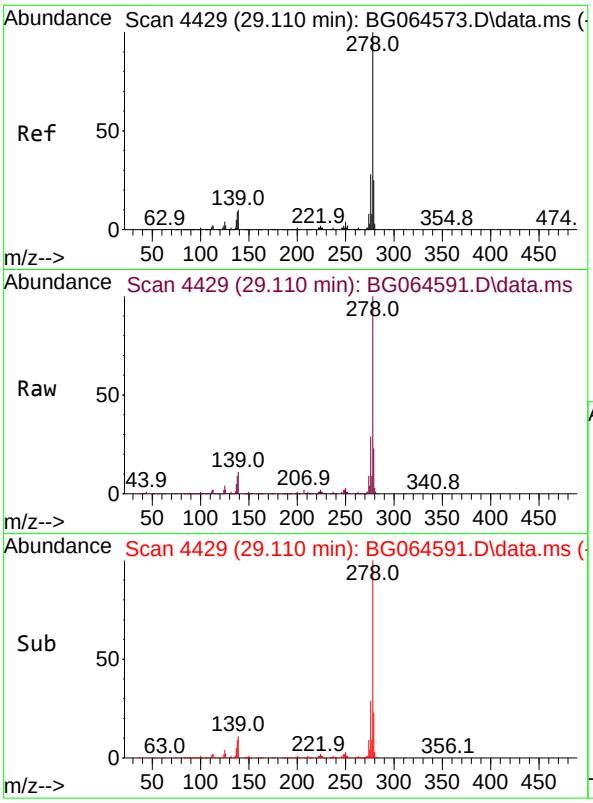


#90
Benzo(a)pyrene
Concen: 51.625 ng
RT: 25.045 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:252 Resp: 966919

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	8.0	6.1	9.1

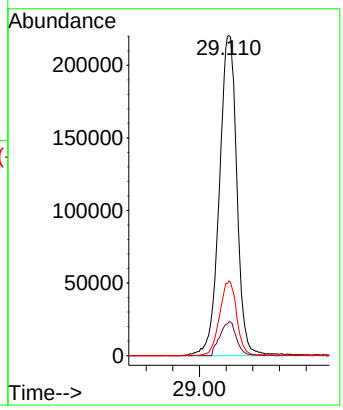




#91
Dibenzo(a,h)anthracene
Concen: 50.647 ng
RT: 29.110 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:278 Resp: 100579

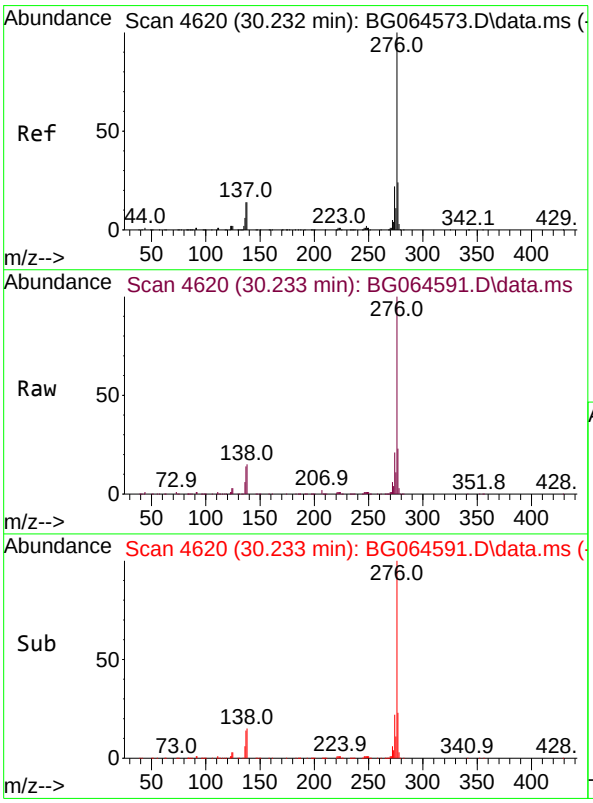
Ion	Ratio	Lower	Upper
278	100		
139	10.6	8.0	12.0
279	23.3	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
TP-10MS

Manual Integrations
APPROVED

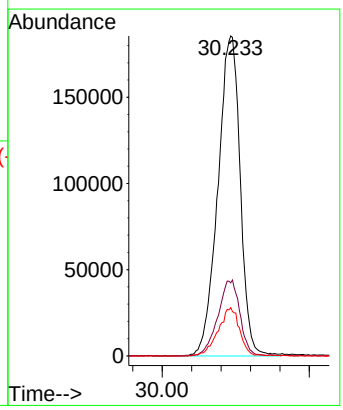
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 51.532 ng
RT: 30.233 min Scan# 4620
Delta R.T. 0.000 min
Lab File: BG064591.D
Acq: 27 Oct 2025 17:25

Tgt Ion:276 Resp: 977591

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.1	28.7
138	15.1	11.3	16.9



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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MSD			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.1 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	720		1	100	220	ug/Kg	10/27/25 18:06	PB170246
108-95-2	Phenol	1100		1	14.5	110	ug/Kg	10/27/25 18:06	PB170246
111-44-4	bis(2-Chloroethyl)ether	960		1	16.0	110	ug/Kg	10/27/25 18:06	PB170246
95-57-8	2-Chlorophenol	1100		1	16.0	110	ug/Kg	10/27/25 18:06	PB170246
95-48-7	2-Methylphenol	1100		1	19.6	110	ug/Kg	10/27/25 18:06	PB170246
108-60-1	2,2-oxybis(1-Chloropropane)	960		1	24.6	110	ug/Kg	10/27/25 18:06	PB170246
98-86-2	Acetophenone	1200		1	19.4	110	ug/Kg	10/27/25 18:06	PB170246
65794-96-9	3+4-Methylphenols	1000		1	27.0	220	ug/Kg	10/27/25 18:06	PB170246
621-64-7	n-Nitroso-di-n-propylamine	1000		1	31.1	52.5	ug/Kg	10/27/25 18:06	PB170246
67-72-1	Hexachloroethane	1000		1	11.6	110	ug/Kg	10/27/25 18:06	PB170246
98-95-3	Nitrobenzene	1200		1	12.0	110	ug/Kg	10/27/25 18:06	PB170246
78-59-1	Isophorone	1000		1	21.5	110	ug/Kg	10/27/25 18:06	PB170246
88-75-5	2-Nitrophenol	1100		1	38.2	110	ug/Kg	10/27/25 18:06	PB170246
105-67-9	2,4-Dimethylphenol	1200		1	42.5	110	ug/Kg	10/27/25 18:06	PB170246
111-91-1	bis(2-Chloroethoxy)methane	1100		1	20.2	110	ug/Kg	10/27/25 18:06	PB170246
120-83-2	2,4-Dichlorophenol	1200		1	18.6	110	ug/Kg	10/27/25 18:06	PB170246
91-20-3	Naphthalene	1100		1	14.9	110	ug/Kg	10/27/25 18:06	PB170246
106-47-8	4-Chloroaniline	300		1	23.2	110	ug/Kg	10/27/25 18:06	PB170246
87-68-3	Hexachlorobutadiene	1100		1	16.6	110	ug/Kg	10/27/25 18:06	PB170246
105-60-2	Caprolactam	1100		1	34.2	220	ug/Kg	10/27/25 18:06	PB170246
59-50-7	4-Chloro-3-methylphenol	1100		1	18.8	110	ug/Kg	10/27/25 18:06	PB170246
91-57-6	2-Methylnaphthalene	980		1	16.8	110	ug/Kg	10/27/25 18:06	PB170246
77-47-4	Hexachlorocyclopentadiene	3000	E	1	76.2	220	ug/Kg	10/27/25 18:06	PB170246
88-06-2	2,4,6-Trichlorophenol	1200		1	13.0	110	ug/Kg	10/27/25 18:06	PB170246
95-95-4	2,4,5-Trichlorophenol	1200		1	19.1	110	ug/Kg	10/27/25 18:06	PB170246
92-52-4	1,1-Biphenyl	1200		1	14.3	110	ug/Kg	10/27/25 18:06	PB170246
91-58-7	2-Chloronaphthalene	1000		1	14.8	110	ug/Kg	10/27/25 18:06	PB170246
88-74-4	2-Nitroaniline	1100		1	31.6	110	ug/Kg	10/27/25 18:06	PB170246
131-11-3	Dimethylphthalate	1100		1	17.8	110	ug/Kg	10/27/25 18:06	PB170246
208-96-8	Acenaphthylene	1200		1	19.0	110	ug/Kg	10/27/25 18:06	PB170246
606-20-2	2,6-Dinitrotoluene	1200		1	22.1	110	ug/Kg	10/27/25 18:06	PB170246
99-09-2	3-Nitroaniline	630		1	30.2	110	ug/Kg	10/27/25 18:06	PB170246
83-32-9	Acenaphthene	1100		1	14.0	110	ug/Kg	10/27/25 18:06	PB170246
51-28-5	2,4-Dinitrophenol	2300	E	1	150	220	ug/Kg	10/27/25 18:06	PB170246
100-02-7	4-Nitrophenol	2400	E	1	70.3	220	ug/Kg	10/27/25 18:06	PB170246
132-64-9	Dibenzofuran	1100		1	14.9	110	ug/Kg	10/27/25 18:06	PB170246
121-14-2	2,4-Dinitrotoluene	1200		1	32.9	110	ug/Kg	10/27/25 18:06	PB170246
84-66-2	Diethylphthalate	1100		1	18.6	110	ug/Kg	10/27/25 18:06	PB170246
7005-72-3	4-Chlorophenyl-phenylether	1100		1	17.5	110	ug/Kg	10/27/25 18:06	PB170246
86-73-7	Fluorene	1100		1	16.6	110	ug/Kg	10/27/25 18:06	PB170246
100-01-6	4-Nitroaniline	1200		1	42.2	110	ug/Kg	10/27/25 18:06	PB170246
534-52-1	4,6-Dinitro-2-methylphenol	1200		1	67.6	220	ug/Kg	10/27/25 18:06	PB170246

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MSD			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.1 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1100		1	21.6	110	ug/Kg	10/27/25 18:06	PB170246
101-55-3	4-Bromophenyl-phenylether	1100		1	18.3	110	ug/Kg	10/27/25 18:06	PB170246
118-74-1	Hexachlorobenzene	1100		1	16.6	110	ug/Kg	10/27/25 18:06	PB170246
1912-24-9	Atrazine	1200		1	22.3	110	ug/Kg	10/27/25 18:06	PB170246
87-86-5	Pentachlorophenol	2400	E	1	33.7	220	ug/Kg	10/27/25 18:06	PB170246
85-01-8	Phenanthrene	1100		1	13.7	110	ug/Kg	10/27/25 18:06	PB170246
120-12-7	Anthracene	1100		1	21.9	110	ug/Kg	10/27/25 18:06	PB170246
86-74-8	Carbazole	1100		1	20.5	110	ug/Kg	10/27/25 18:06	PB170246
84-74-2	Di-n-butylphthalate	1100		1	31.5	110	ug/Kg	10/27/25 18:06	PB170246
206-44-0	Fluoranthene	1000		1	19.7	110	ug/Kg	10/27/25 18:06	PB170246
129-00-0	Pyrene	1000		1	23.6	110	ug/Kg	10/27/25 18:06	PB170246
85-68-7	Butylbenzylphthalate	1200		1	46.9	110	ug/Kg	10/27/25 18:06	PB170246
91-94-1	3,3-Dichlorobenzidine	460		1	24.1	220	ug/Kg	10/27/25 18:06	PB170246
56-55-3	Benzo(a)anthracene	1100		1	15.1	110	ug/Kg	10/27/25 18:06	PB170246
218-01-9	Chrysene	1100		1	13.1	110	ug/Kg	10/27/25 18:06	PB170246
117-81-7	Bis(2-ethylhexyl)phthalate	1100		1	38.9	110	ug/Kg	10/27/25 18:06	PB170246
117-84-0	Di-n-octyl phthalate	1100		1	57.0	220	ug/Kg	10/27/25 18:06	PB170246
205-99-2	Benzo(b)fluoranthene	1100		1	12.5	110	ug/Kg	10/27/25 18:06	PB170246
207-08-9	Benzo(k)fluoranthene	1100		1	14.7	110	ug/Kg	10/27/25 18:06	PB170246
50-32-8	Benzo(a)pyrene	1100		1	19.4	110	ug/Kg	10/27/25 18:06	PB170246
193-39-5	Indeno(1,2,3-cd)pyrene	1100		1	19.1	110	ug/Kg	10/27/25 18:06	PB170246
53-70-3	Dibenzo(a,h)anthracene	1100		1	18.0	110	ug/Kg	10/27/25 18:06	PB170246
191-24-2	Benzo(g,h,i)perylene	1100		1	16.9	110	ug/Kg	10/27/25 18:06	PB170246
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		1	16.8	110	ug/Kg	10/27/25 18:06	PB170246
123-91-1	1,4-Dioxane	820		1	29.7	110	ug/Kg	10/27/25 18:06	PB170246
58-90-2	2,3,4,6-Tetrachlorophenol	1300		1	18.0	110	ug/Kg	10/27/25 18:06	PB170246
SURROGATES									
367-12-4	2-Fluorophenol	100			18 - 112	67%	SPK: 150		
13127-88-3	Phenol-d6	92.8			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	67.5			18 - 107	67%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.3			20 - 109	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	105			10 - 116	70%	SPK: 150		
1718-51-0	Terphenyl-d14	60.8			10 - 105	61%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	38700							
1146-65-2	Naphthalene-d8	147000							
15067-26-2	Acenaphthene-d10	118000							
1517-22-2	Phenanthrene-d10	285000							
1719-03-5	Chrysene-d12	313000							
1520-96-3	Perylene-d12	334000							

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:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	TP-10MSD			SDG No.:	Q3447
Lab Sample ID:	Q3439-05MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.2
Sample Wt/Vol:	50.1 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/24/25 08:45		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064592.D
Acq On : 27 Oct 2025 18:06
Operator : RC/JU
Sample : Q3439-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 01:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.220	152	38674	20.000	ng		0.00
21) Naphthalene-d8	11.046	136	147107	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	118113	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	285291	20.000	ng		0.00
76) Chrysene-d12	21.857	240	313384	20.000	ng		0.00
86) Perylene-d12	25.195	264	333950	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	231127	100.312	ng		0.00
7) Phenol-d6	7.351	99	293411	92.802	ng		0.00
23) Nitrobenzene-d5	9.384	82	165247	67.469	ng		0.00
42) 2,4,6-Tribromophenol	16.317	330	179471	105.279	ng		0.00
45) 2-Fluorobiphenyl	13.473	172	454385	58.311	ng		0.00
79) Terphenyl-d14	20.165	244	1009766	60.807	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.585	88	38189	37.437	ng		98
3) Pyridine	3.990	79	104888	34.240	ng		96
4) n-Nitrosodimethylamine	3.902	42	69086	42.055	ng		93
6) Aniline	7.527	93	103701	24.104	ng		98
8) 2-Chlorophenol	7.780	128	124312	51.546	ng		96
9) Benzaldehyde	7.339	77	56751	32.878	ng		98
10) Phenol	7.380	94	171610	49.080	ng		98
11) bis(2-Chloroethyl)ether	7.621	93	112349	43.703	ng		97
12) 1,3-Dichlorobenzene	8.109	146	130078	46.862	ng		99
13) 1,4-Dichlorobenzene	8.256	146	132070	46.793	ng		98
14) 1,2-Dichlorobenzene	8.579	146	126766	46.566	ng		96
15) Benzyl Alcohol	8.449	79	122236	46.884	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.743	45	294630	43.692	ng		99
17) 2-Methylphenol	8.649	107	114159	49.174	ng		97
18) Hexachloroethane	9.325	117	46509	46.957	ng		95
19) n-Nitroso-di-n-propyla...	9.025	70	101883	46.627	ng	#	96
20) 3+4-Methylphenols	8.978	107	153618	47.053	ng		98
22) Acetophenone	9.043	105	218530	54.343	ng		96
24) Nitrobenzene	9.425	77	141961	53.290	ng		96
25) Isophorone	9.954	82	279098	47.490	ng		99
26) 2-Nitrophenol	10.142	139	54025	52.264	ng		95
27) 2,4-Dimethylphenol	10.194	122	124546	56.972	ng		98
28) bis(2-Chloroethoxy)met...	10.435	93	162179	48.467	ng		99
29) 2,4-Dichlorophenol	10.676	162	129409	55.005	ng		98
30) 1,2,4-Trichlorobenzene	10.905	180	141231	52.834	ng		99
31) Naphthalene	11.093	128	393590	48.257	ng		98
32) Benzoic acid	10.324	122	94984	55.629	ng		97
33) 4-Chloroaniline	11.187	127	43020	13.570	ng		95
34) Hexachlorobutadiene	11.387	225	103521	49.520	ng		94
35) Caprolactam	11.951	113	44034m	48.800	ng		
36) 4-Chloro-3-methylphenol	12.292	107	148510	52.515	ng		99
37) 2-Methylnaphthalene	12.686	142	267424	44.659	ng		100
38) 1-Methylnaphthalene	12.903	142	274550	46.314	ng		96
40) 1,2,4,5-Tetrachloroben...	13.050	216	208972	52.718	ng		98
41) Hexachlorocyclopentadiene	13.038	237	243466	136.457	ng		97
43) 2,4,6-Trichlorophenol	13.279	196	125493	55.346	ng		94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064592.D
Acq On : 27 Oct 2025 18:06
Operator : RC/JU
Sample : Q3439-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 01:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	139898	53.466	ng		99
46) 1,1'-Biphenyl	13.685	154	444110	52.889	ng		98
47) 2-Chloronaphthalene	13.726	162	303587	47.897	ng		99
48) 2-Nitroaniline	13.908	65	107900	50.527	ng		92
49) Acenaphthylene	14.566	152	545521	54.565	ng		99
50) Dimethylphthalate	14.290	163	439698	48.650	ng		100
51) 2,6-Dinitrotoluene	14.395	165	82013	54.530	ng		99
52) Acenaphthene	14.907	154	354955	51.966	ng		100
53) 3-Nitroaniline	14.724	138	44846	28.873	ng		97
54) 2,4-Dinitrophenol	14.930	184	96997	104.186	ng	#	40
55) Dibenzofuran	15.236	168	529890	47.985	ng		99
56) 4-Nitrophenol	15.018	139	158948	110.376	ng		96
57) 2,4-Dinitrotoluene	15.183	165	124942	53.794	ng	#	98
58) Fluorene	15.882	166	424621	49.236	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.453	232	148407	59.313	ng		99
60) Diethylphthalate	15.647	149	443525	48.061	ng		99
61) 4-Chlorophenyl-phenyle...	15.870	204	233237	48.191	ng		96
62) 4-Nitroaniline	15.882	138	93577	54.154	ng		99
63) Azobenzene	16.164	77	453659	53.578	ng		99
65) 4,6-Dinitro-2-methylph...	15.947	198	68203	53.613	ng		96
66) n-Nitrosodiphenylamine	16.082	169	394831	51.234	ng		99
67) 4-Bromophenyl-phenylether	16.763	248	165848	49.056	ng		97
68) Hexachlorobenzene	16.887	284	196822	51.031	ng		97
69) Atrazine	17.022	200	174823	52.715	ng		97
70) Pentachlorophenol	17.222	266	261418	108.692	ng		94
71) Phenanthrene	17.621	178	769290	49.309	ng		100
72) Anthracene	17.709	178	779580	49.122	ng		100
73) Carbazole	17.968	167	690430	49.335	ng		98
74) Di-n-butylphthalate	18.532	149	779939	48.195	ng		99
75) Fluoranthene	19.613	202	935586	47.869	ng		99
77) Benzidine	19.777	184	202272	28.809	ng		99
78) Pyrene	19.971	202	978323	47.782	ng		99
80) Butylbenzylphthalate	20.853	149	334443	54.045	ng		97
81) Benzo(a)anthracene	21.834	228	1026609	49.406	ng		99
82) 3,3'-Dichlorobenzidine	21.734	252	146831	21.161	ng		99
83) Chrysene	21.898	228	955220	48.313	ng		98
84) Bis(2-ethylhexyl)phtha...	21.746	149	477424	51.632	ng		99
85) Di-n-octyl phthalate	23.003	149	818900	52.528	ng		98
87) Indeno(1,2,3-cd)pyrene	29.037	276	1221937	49.740	ng	#	93
88) Benzo(b)fluoranthene	24.137	252	1003921	49.025	ng		98
89) Benzo(k)fluoranthene	24.207	252	1048336	51.159	ng		97
90) Benzo(a)pyrene	25.042	252	973157	51.699	ng		99
91) Dibenzo(a,h)anthracene	29.102	278	1007535	50.482	ng		97
92) Benzo(g,h,i)perylene	30.236	276	978222	51.308	ng		99

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

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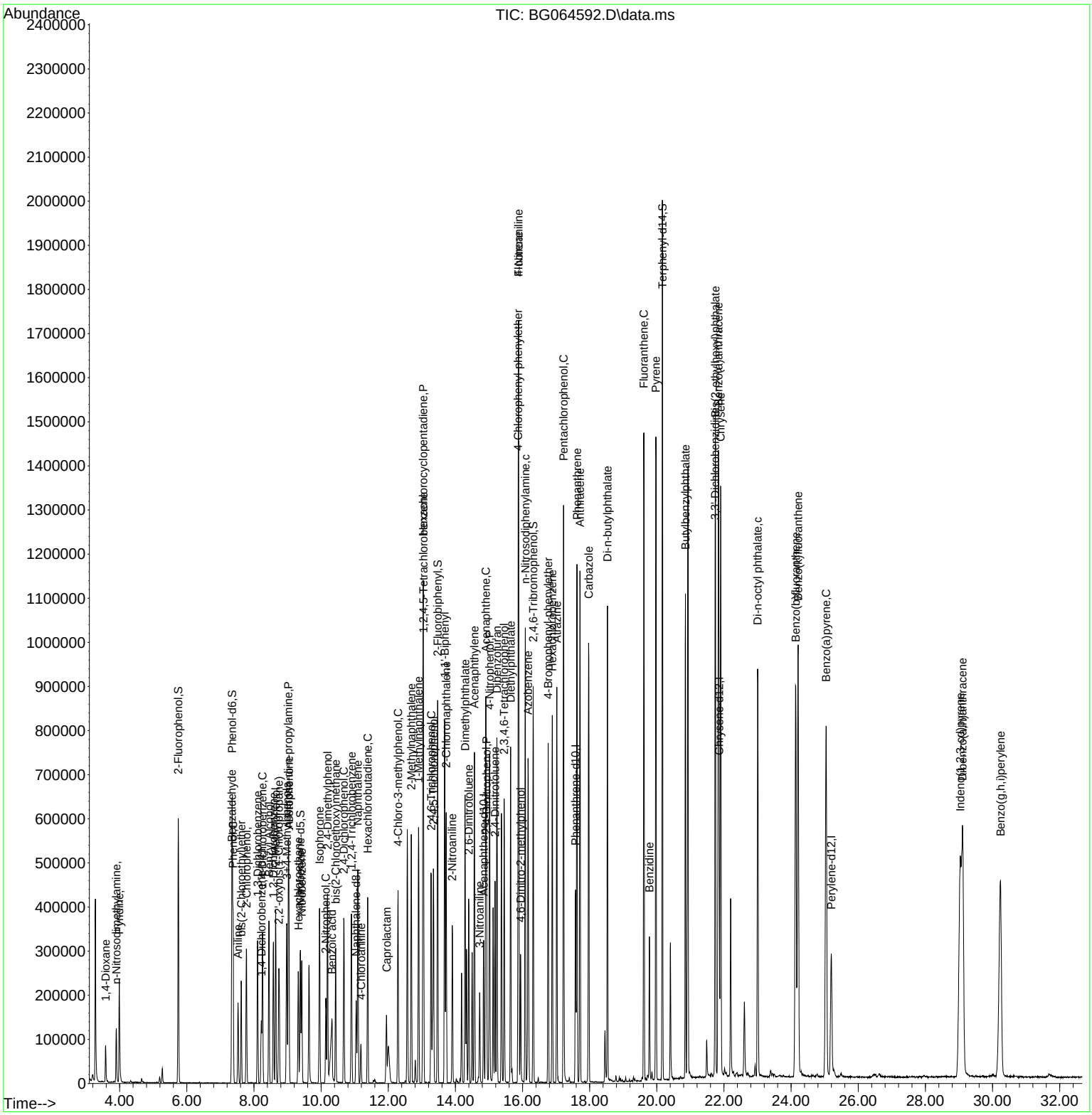
Data File : BG064592.D
Acq On : 27 Oct 2025 18:06
Operator : RC/JU
Sample : Q3439-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

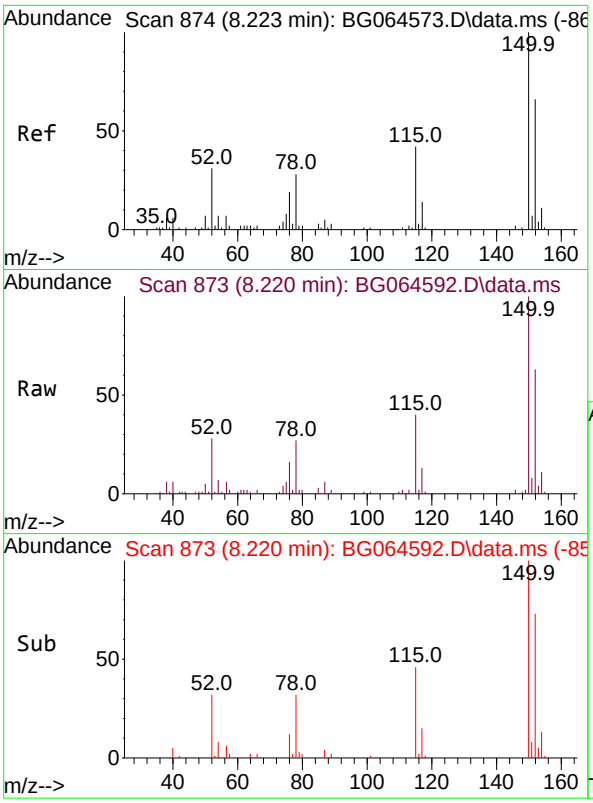
Quant Time: Nov 04 01:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

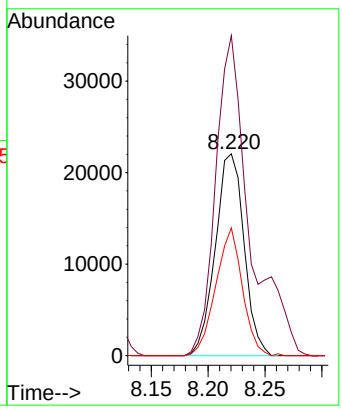




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:152 Resp: 3867

Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.2	183.4
115	63.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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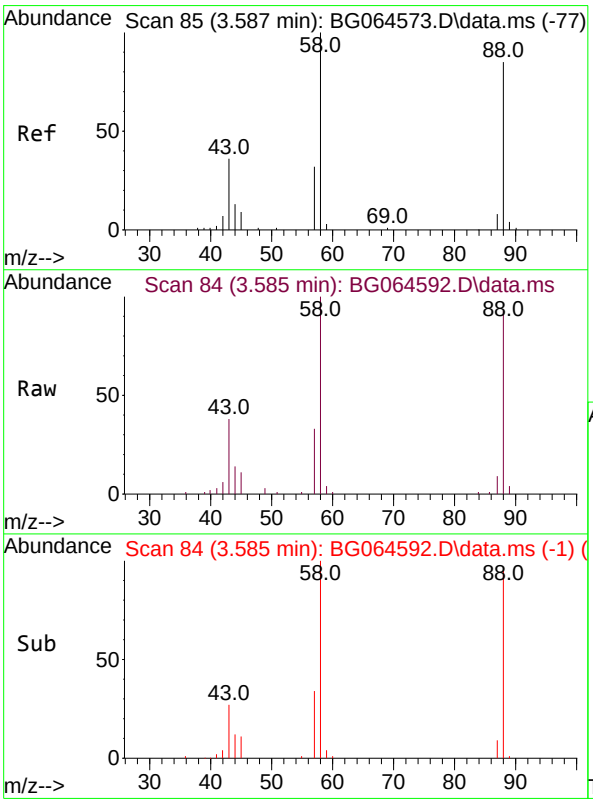
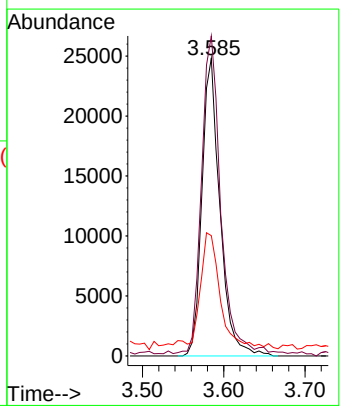
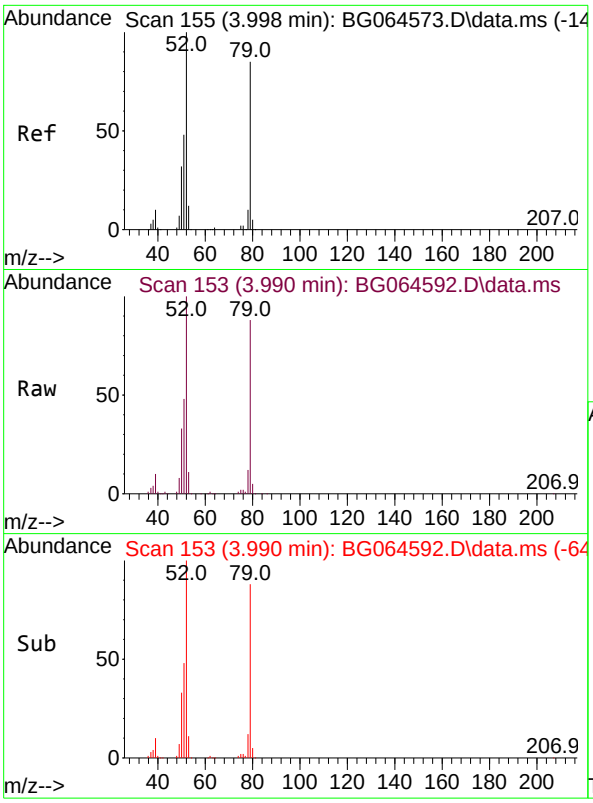


#2
1,4-Dioxane
Concen: 37.437 ng
RT: 3.585 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 88 Resp: 38189

Ion	Ratio	Lower	Upper
88	100		
58	113.8	92.4	138.6
43	43.0	33.0	49.6

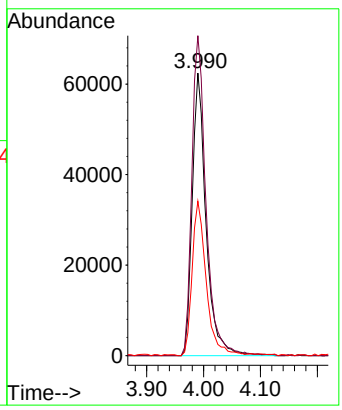




#3
Pyridine
Concen: 34.240 ng
RT: 3.990 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 79 Resp: 10488

Ion	Ratio	Lower	Upper
79	100		
52	113.3	94.2	141.2
51	54.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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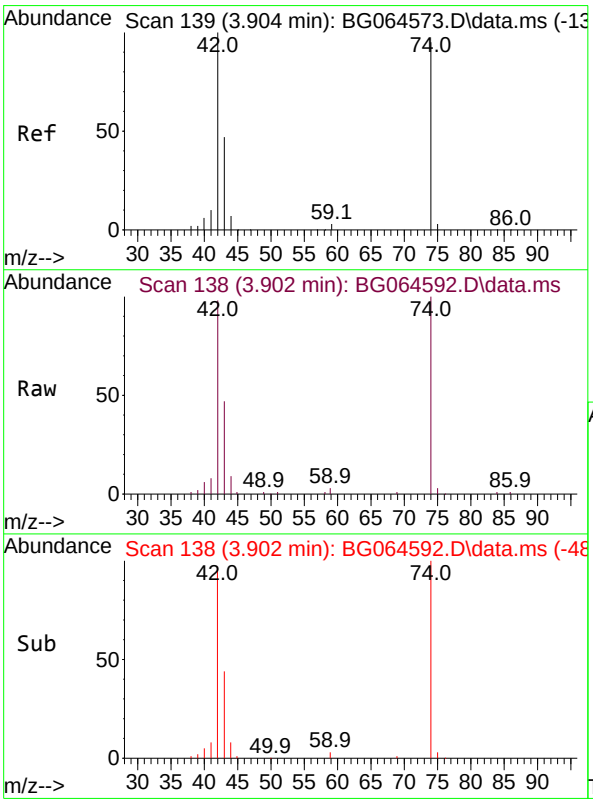
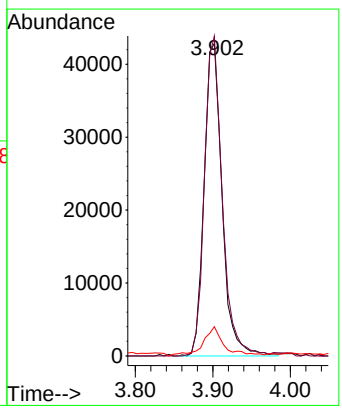
Supervised By :mohammad ahmed 11/05/2025

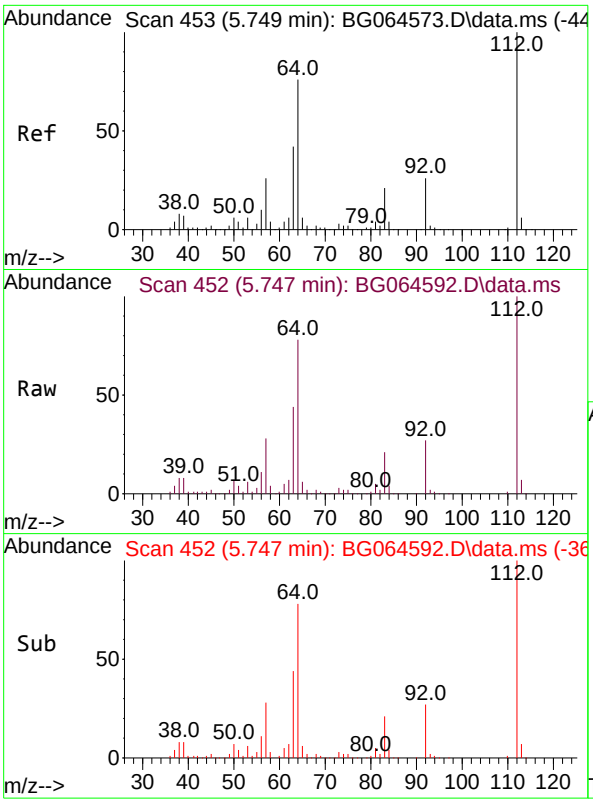


#4
n-Nitrosodimethylamine
Concen: 42.055 ng
RT: 3.902 min Scan# 138
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 42 Resp: 69086

Ion	Ratio	Lower	Upper
42	100		
74	102.4	76.1	114.1
44	9.3	6.3	9.5

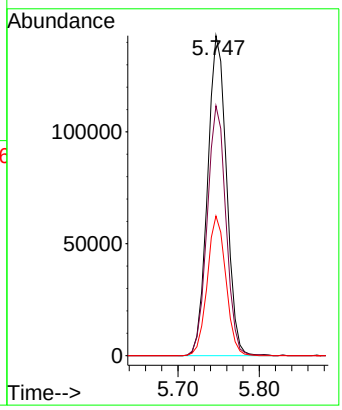




#5
2-Fluorophenol
Concen: 100.312 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:112 Resp: 23112

Ion	Ratio	Lower	Upper
112	100		
64	78.1	60.7	91.1
63	43.6	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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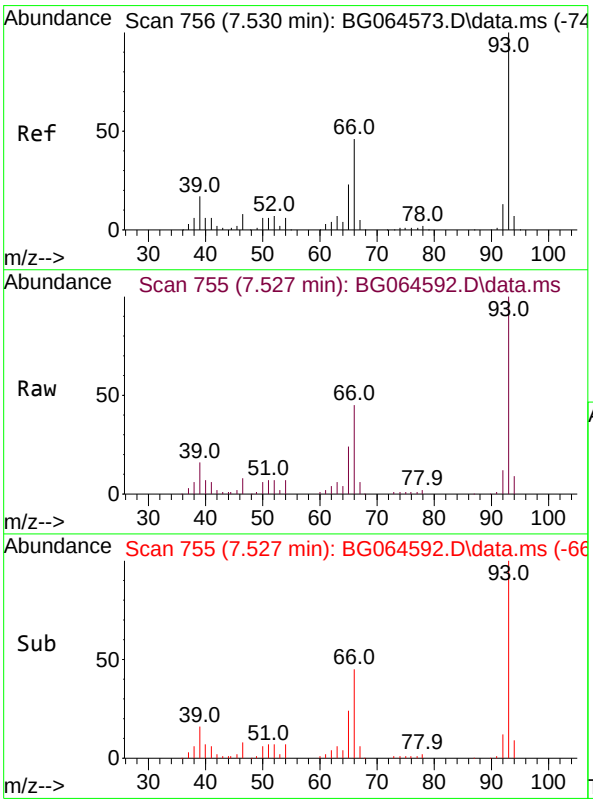
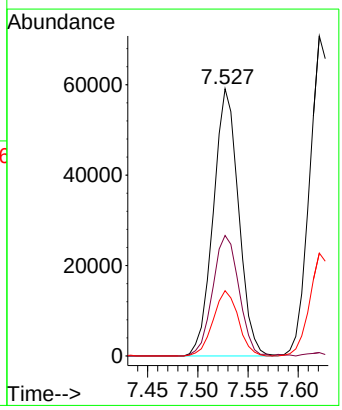
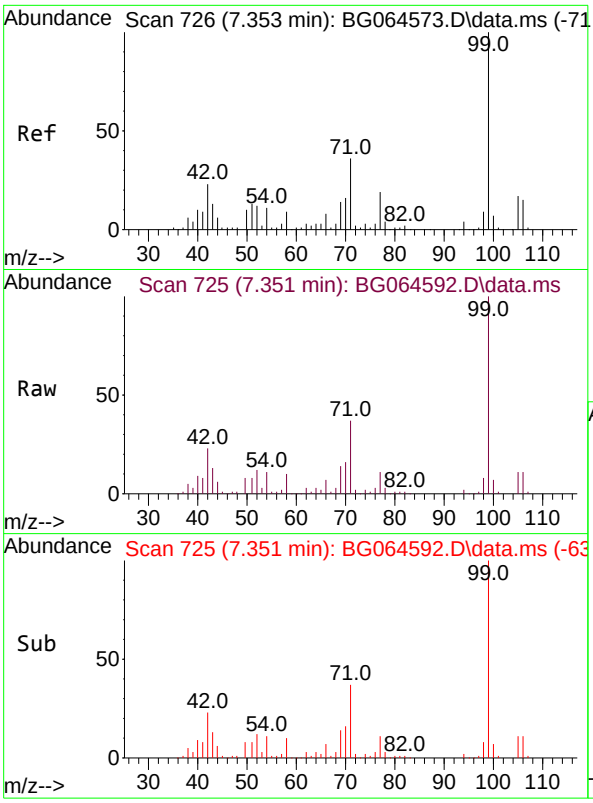


#6
Aniline
Concen: 24.104 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 93 Resp: 103701

Ion	Ratio	Lower	Upper
93	100		
66	45.1	37.0	55.6
65	24.4	18.3	27.5

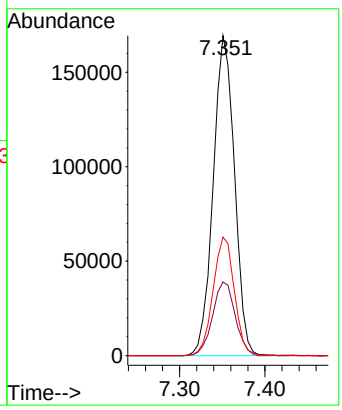




#7
Phenol-d6
Concen: 92.802 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 99 Resp: 29341

Ion	Ratio	Lower	Upper
99	100		
42	23.0	18.3	27.5
71	37.0	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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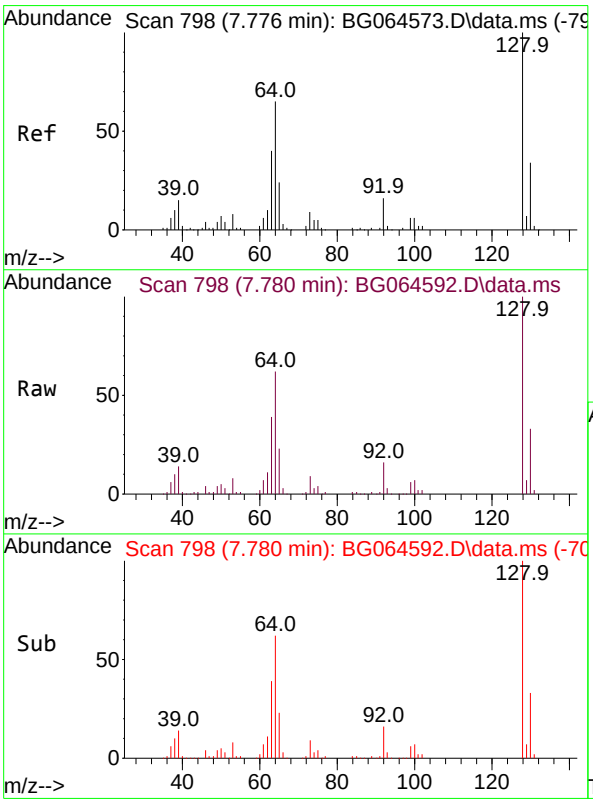
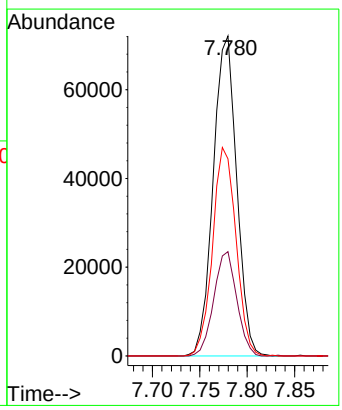
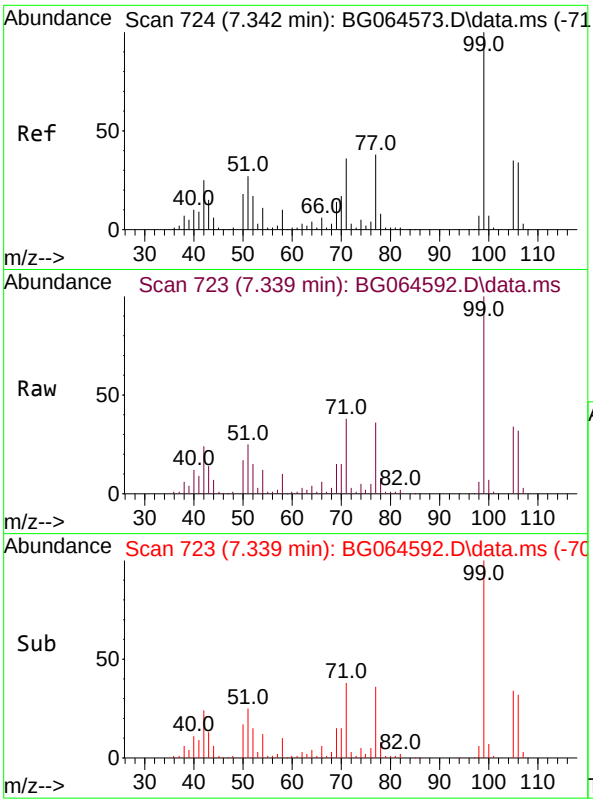


#8
2-Chlorophenol
Concen: 51.546 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:128 Resp: 124312

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.5	53.5
64	61.6	45.2	85.2

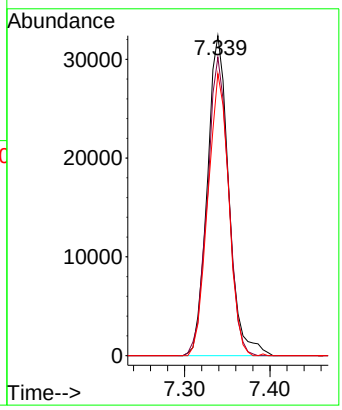




#9
Benzaldehyde
Concen: 32.878 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 77 Resp: 5675

Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.9	112.9
106	88.1	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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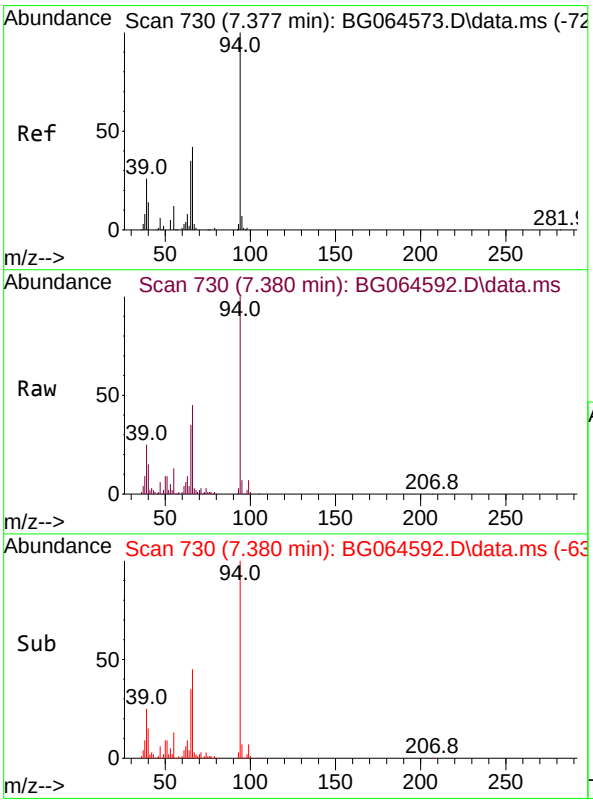
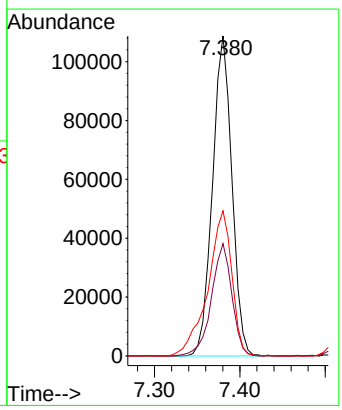
Supervised By :mohammad ahmed 11/05/2025

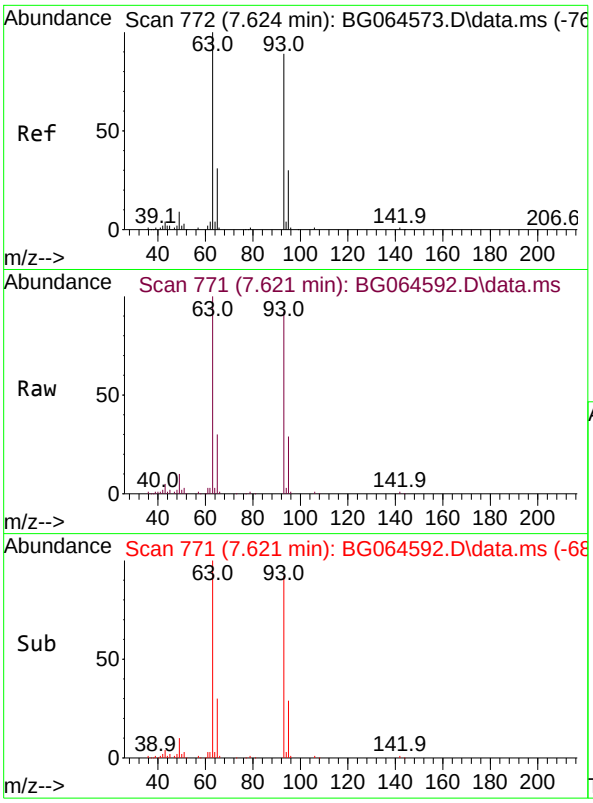


#10
Phenol
Concen: 49.080 ng
RT: 7.380 min Scan# 730
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 94 Resp: 171610

Ion	Ratio	Lower	Upper
94	100		
65	35.1	15.8	55.8
66	45.3	24.0	64.0

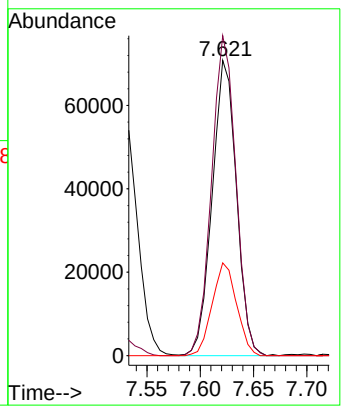




#11
bis(2-Chloroethyl)ether
Concen: 43.703 ng
RT: 7.621 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 93 Resp: 11234

Ion	Ratio	Lower	Upper
93	100		
63	108.4	91.3	131.3
95	31.4	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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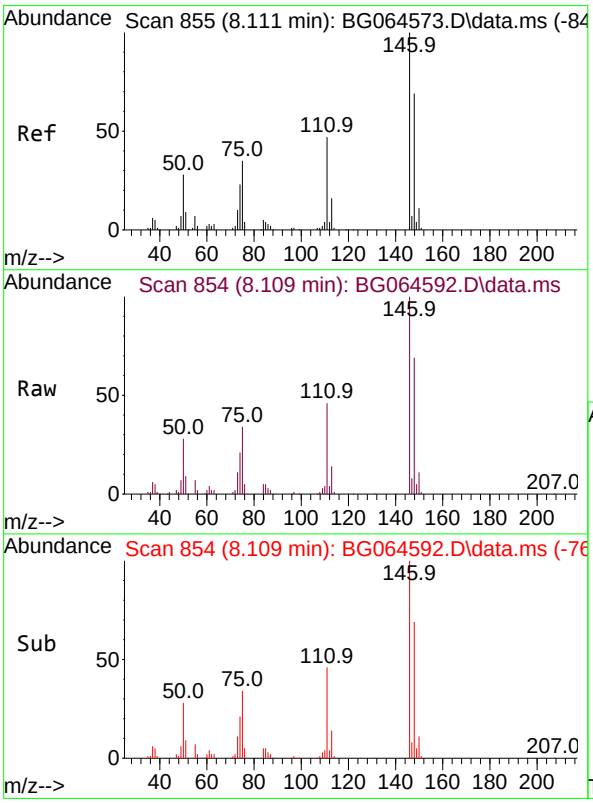
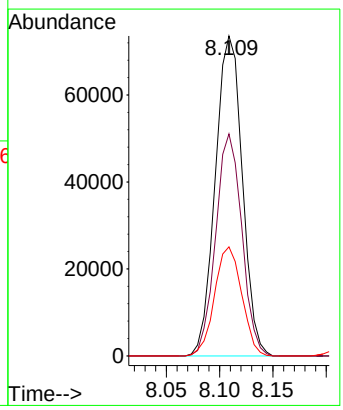
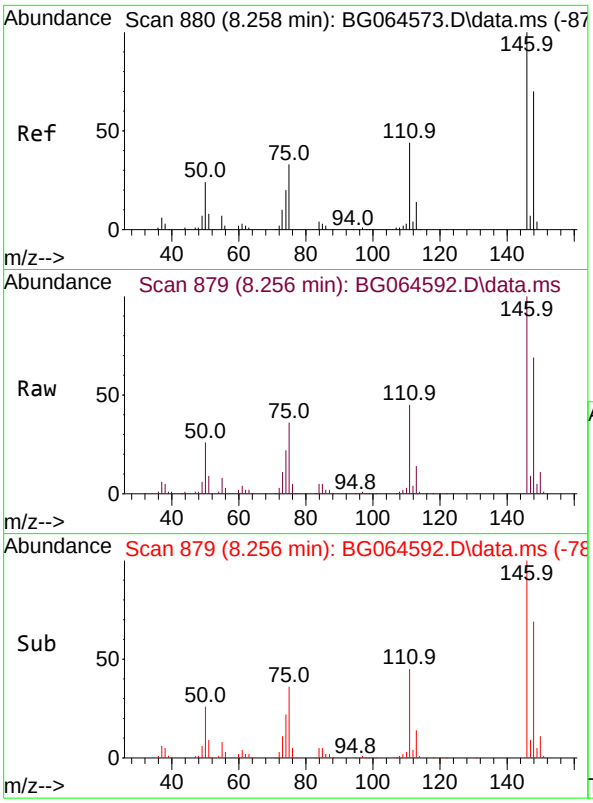


#12
1,3-Dichlorobenzene
Concen: 46.862 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:146 Resp: 130078

Ion	Ratio	Lower	Upper
146	100		
148	69.4	55.3	82.9
75	34.1	28.2	42.2

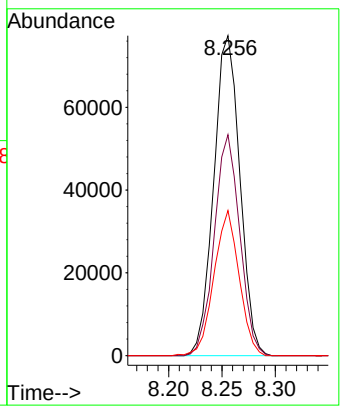




#13
1,4-Dichlorobenzene
Concen: 46.793 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:146 Resp: 13207

Ion	Ratio	Lower	Upper
146	100		
148	69.0	56.2	84.4
111	45.3	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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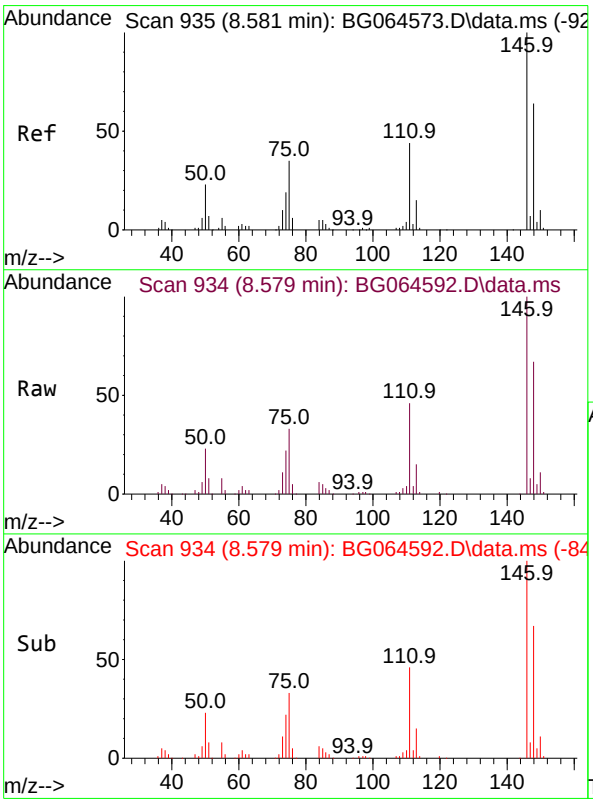
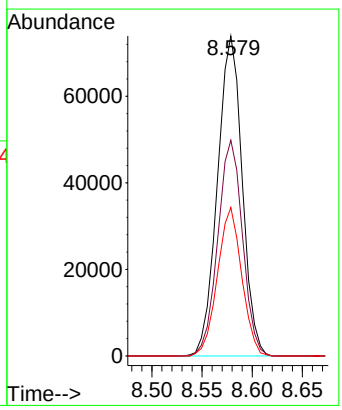
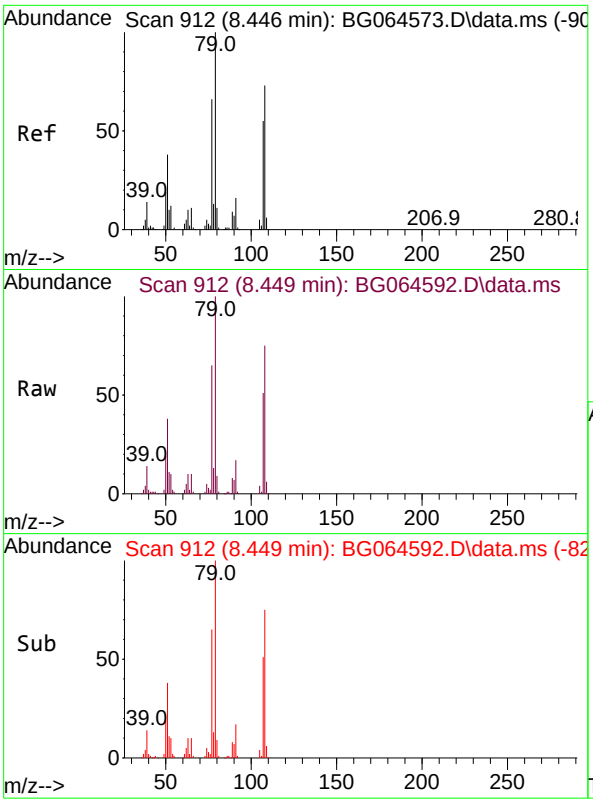


#14
1,2-Dichlorobenzene
Concen: 46.566 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:146 Resp: 126766

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.5	77.3
111	46.4	35.0	52.6





#15
Benzyl Alcohol
Concen: 46.884 ng
RT: 8.449 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 79 Resp: 12223

Ion	Ratio	Lower	Upper
79	100		
108	75.2	58.1	87.1
77	64.7	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

Manual Integrations
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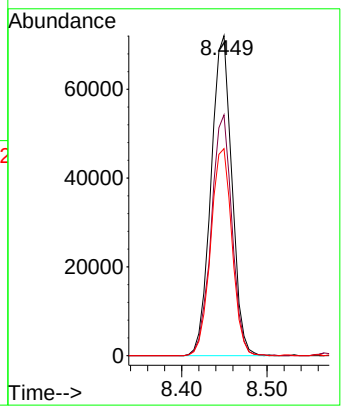
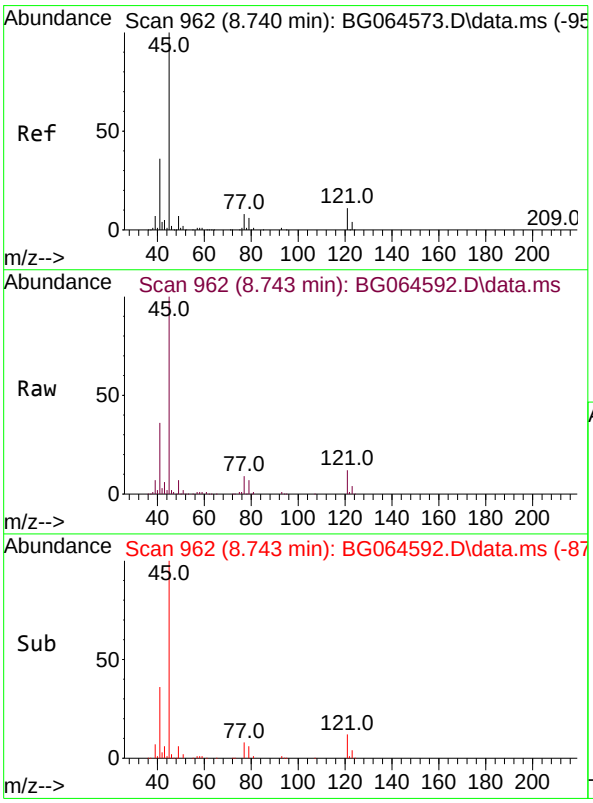
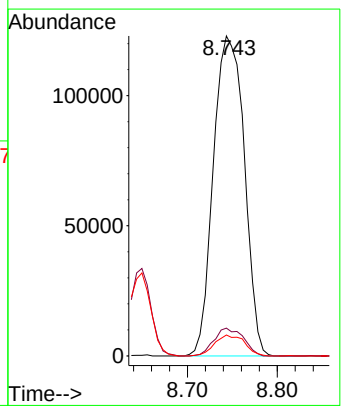


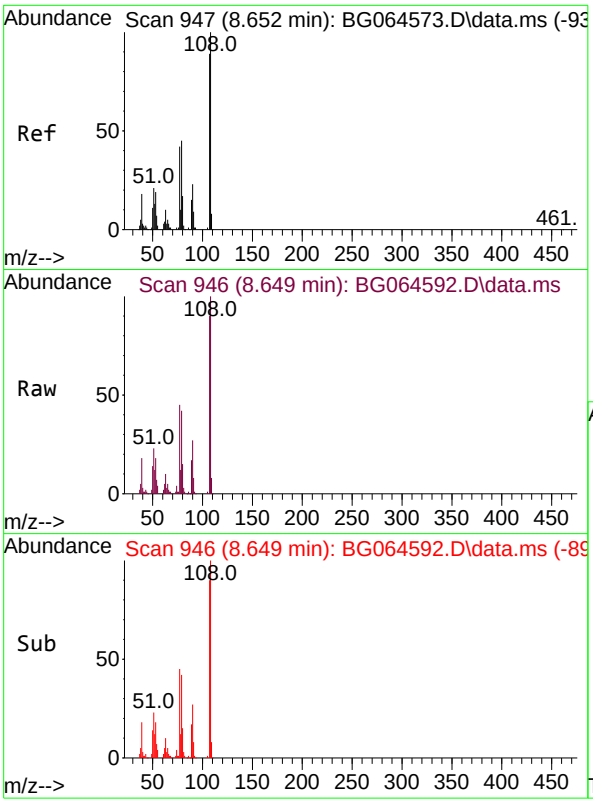


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.692 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 45 Resp: 294630

Ion	Ratio	Lower	Upper
45	100		
77	8.7	0.0	28.5
79	6.5	0.0	25.6

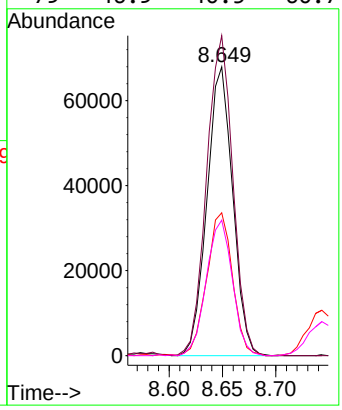




#17
2-Methylphenol
Concen: 49.174 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:107 Resp: 114159

Ion	Ratio	Lower	Upper
107	100		
108	110.8	90.0	135.0
77	49.5	37.8	56.8
79	46.9	40.5	60.7



Instrument :
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ClientSampleId :
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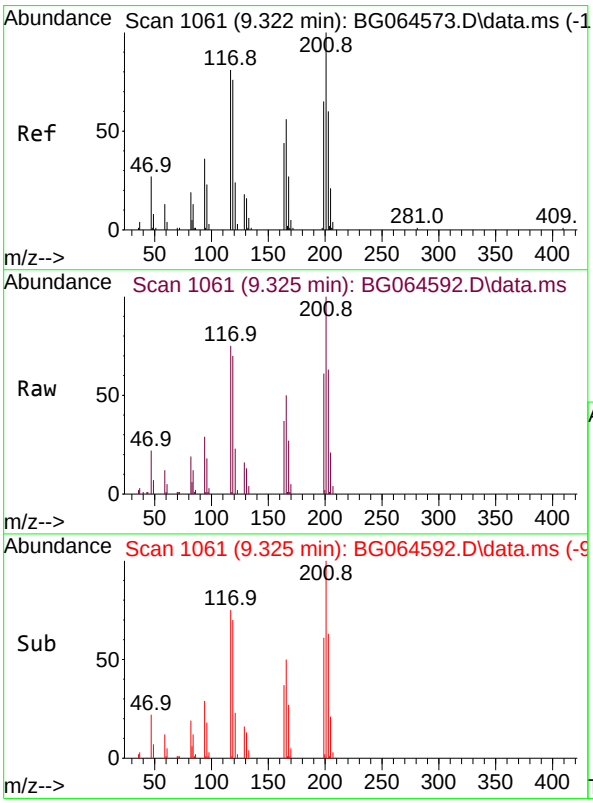
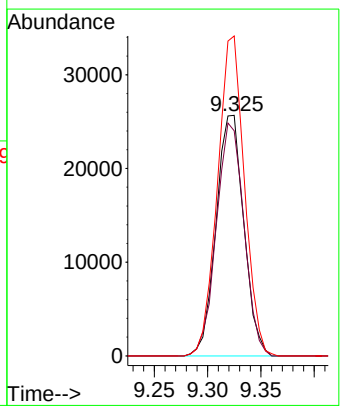
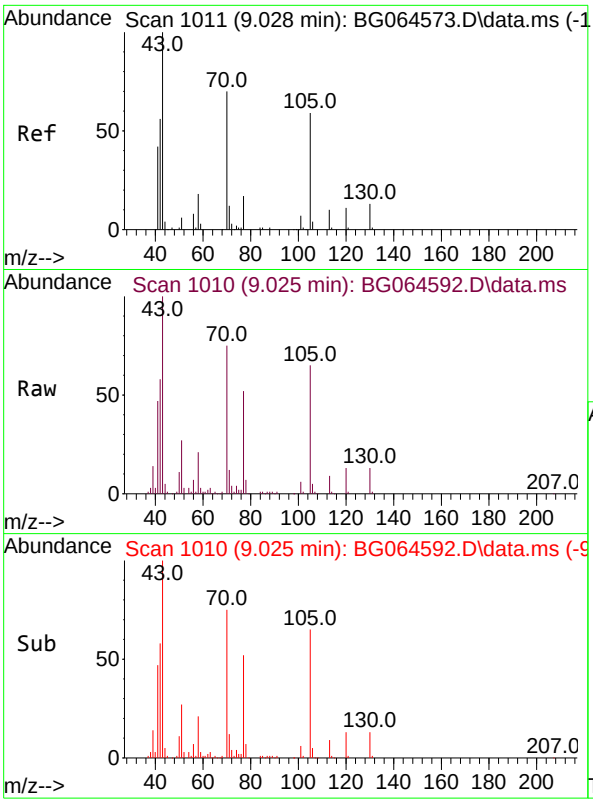


#18
Hexachloroethane
Concen: 46.957 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:117 Resp: 46509

Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.4	113.2
201	133.0	99.2	148.8

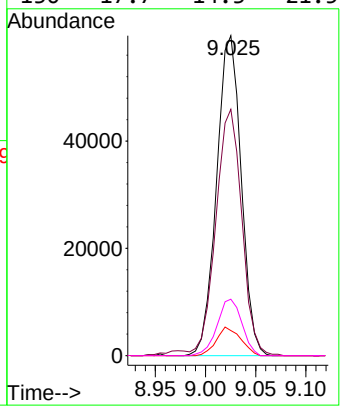




#19
n-Nitroso-di-n-propylamine
Concen: 46.627 ng
RT: 9.025 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 70 Resp: 10188

Ion	Ratio	Lower	Upper
70	100		
42	77.0	65.2	97.8
101	7.8	7.9	11.9#
130	17.7	14.3	21.5



Instrument :
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ClientSampleId :
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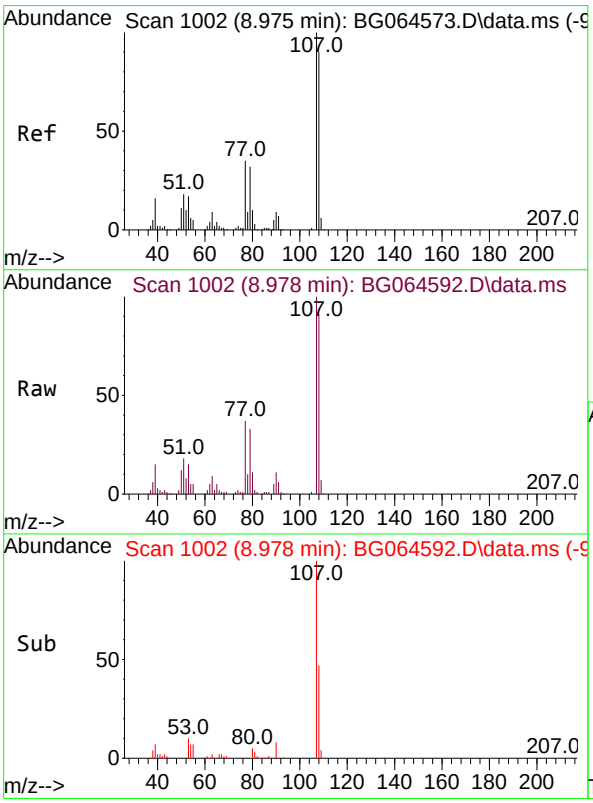
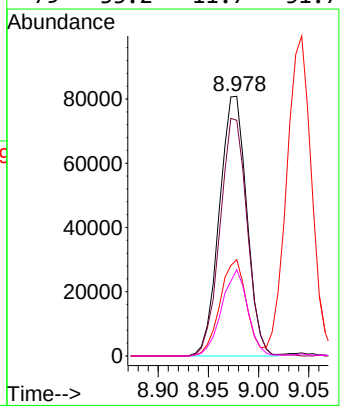
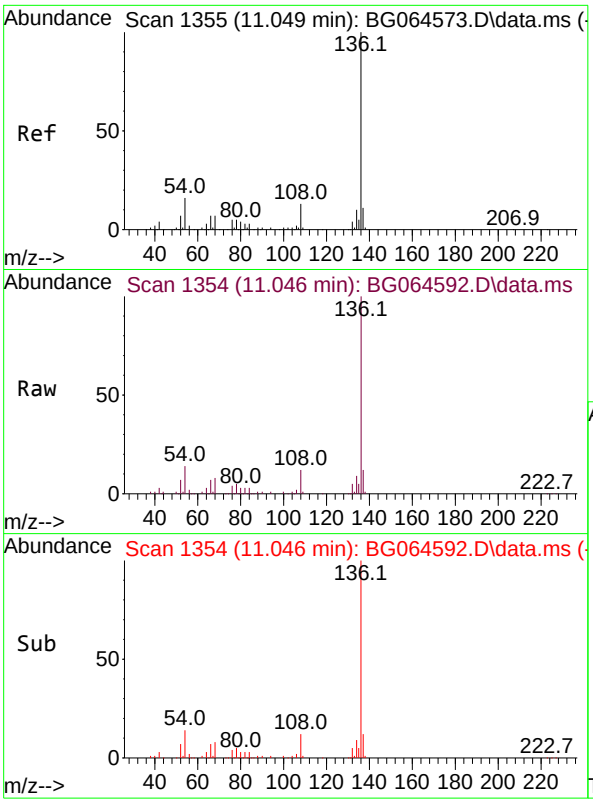


#20
3+4-Methylphenols
Concen: 47.053 ng
RT: 8.978 min Scan# 1002
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:107 Resp: 153618

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.3	110.3
77	37.1	14.6	54.6
79	33.2	11.7	51.7

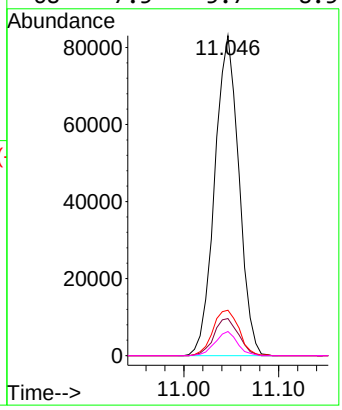




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:136 Resp: 14710

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	14.2	12.6	19.0
68	7.5	5.7	8.5



Instrument :
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ClientSampleId :
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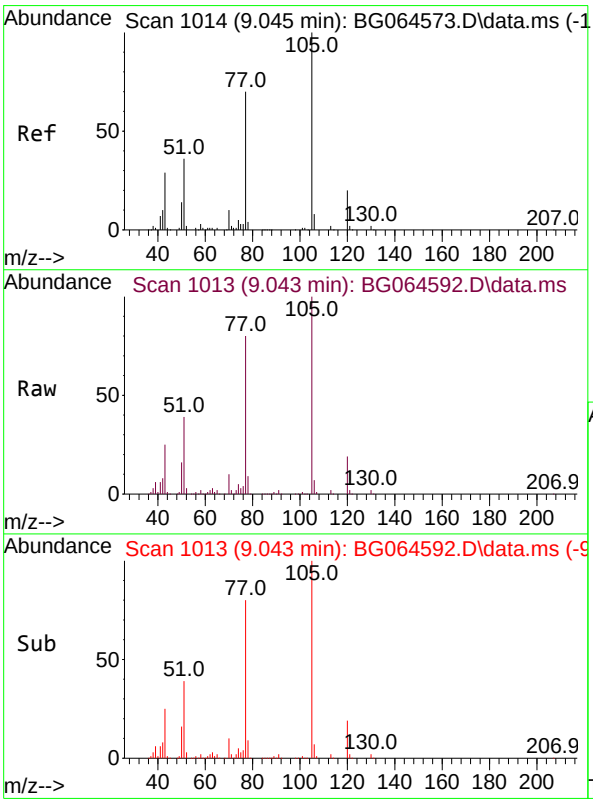
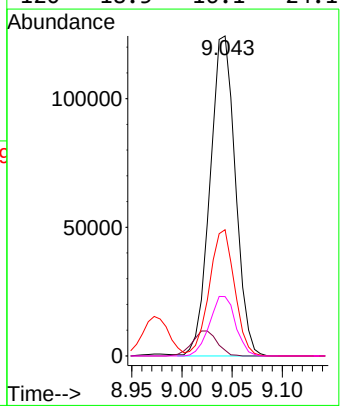
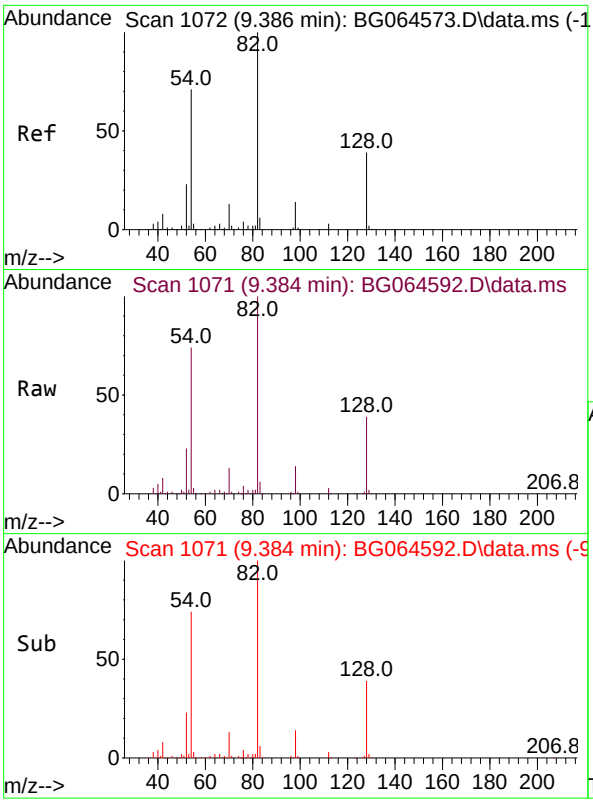


#22
Acetophenone
Concen: 54.343 ng
RT: 9.043 min Scan# 1013
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:105 Resp: 218530

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.5	2.3
51	39.4	33.7	50.5
120	18.5	16.1	24.1

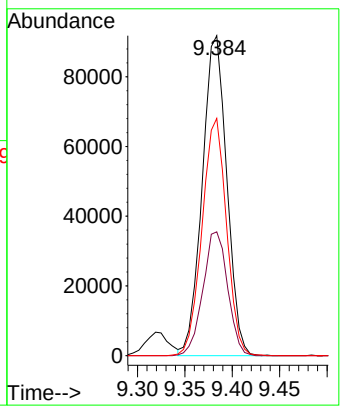




#23
Nitrobenzene-d5
Concen: 67.469 ng
RT: 9.384 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 82 Resp: 16524

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.3	46.9
54	74.1	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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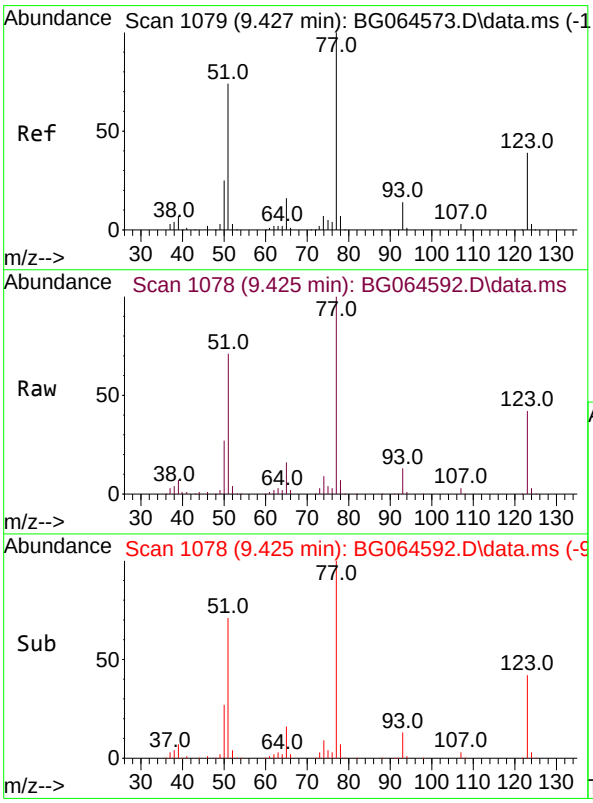
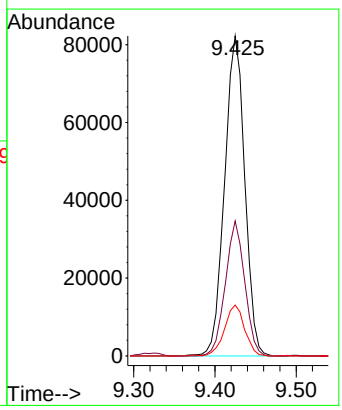
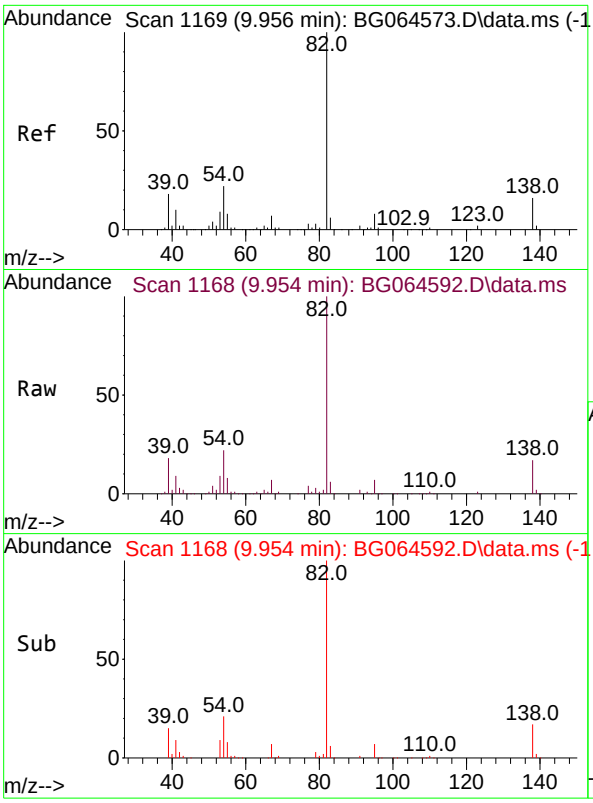


#24
Nitrobenzene
Concen: 53.290 ng
RT: 9.425 min Scan# 1078
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 77 Resp: 141961

Ion	Ratio	Lower	Upper
77	100		
123	42.2	31.0	46.6
65	15.9	12.7	19.1

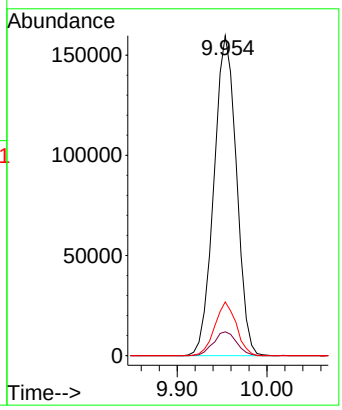




#25
Isophorone
Concen: 47.490 ng
RT: 9.954 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 82 Resp: 279098

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.1	9.1
138	16.8	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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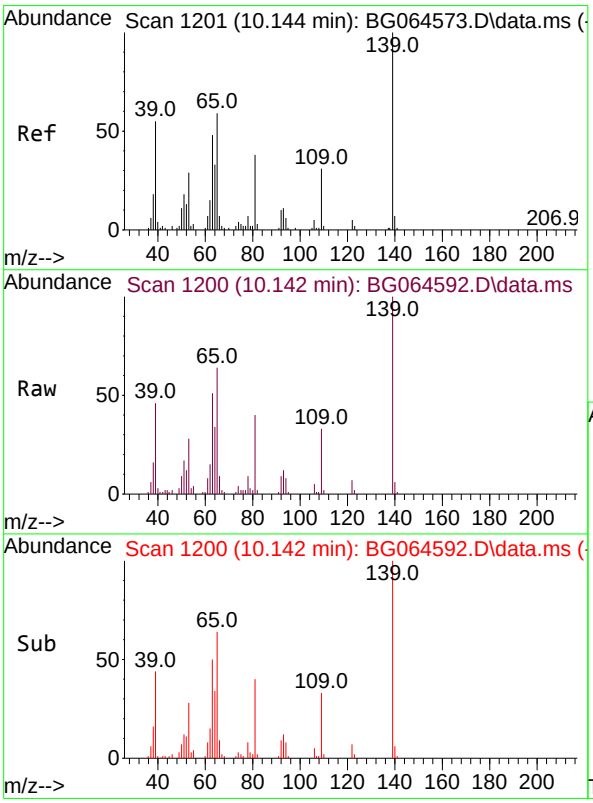
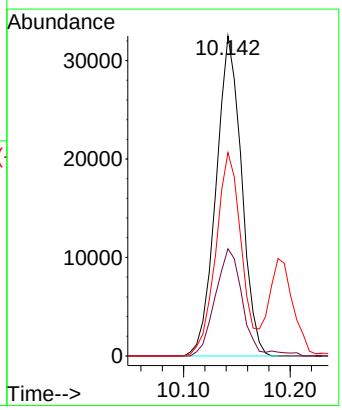
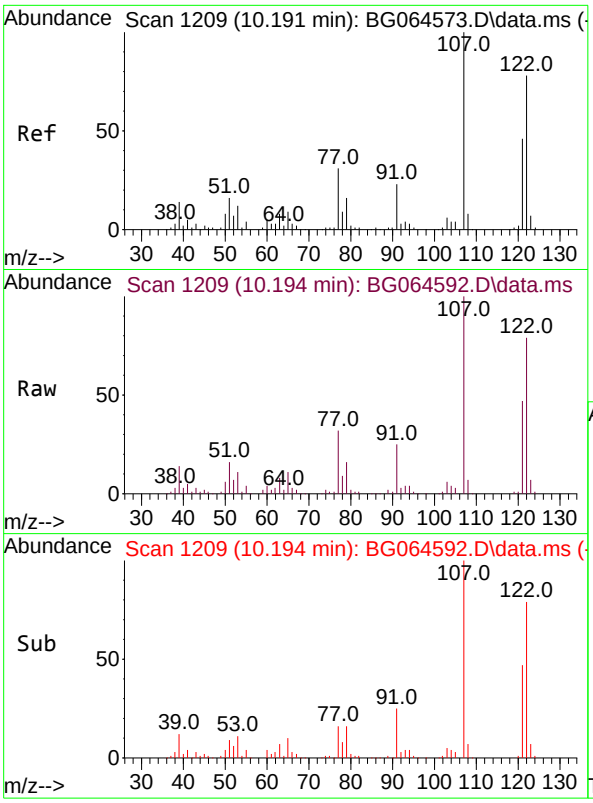


#26
2-Nitrophenol
Concen: 52.264 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:139 Resp: 54025

Ion	Ratio	Lower	Upper
139	100		
109	33.5	24.6	37.0
65	63.5	47.5	71.3

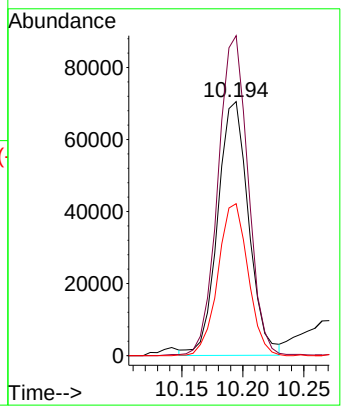




#27
2,4-Dimethylphenol
Concen: 56.972 ng
RT: 10.194 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:122 Resp: 12454

Ion	Ratio	Lower	Upper
122	100		
107	126.0	103.0	154.4
121	59.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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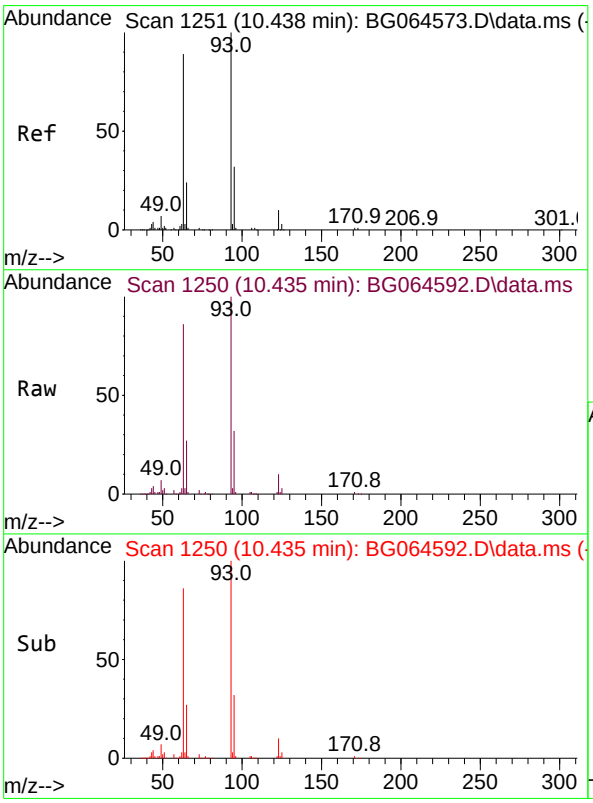
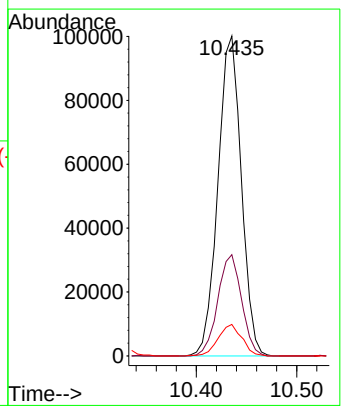
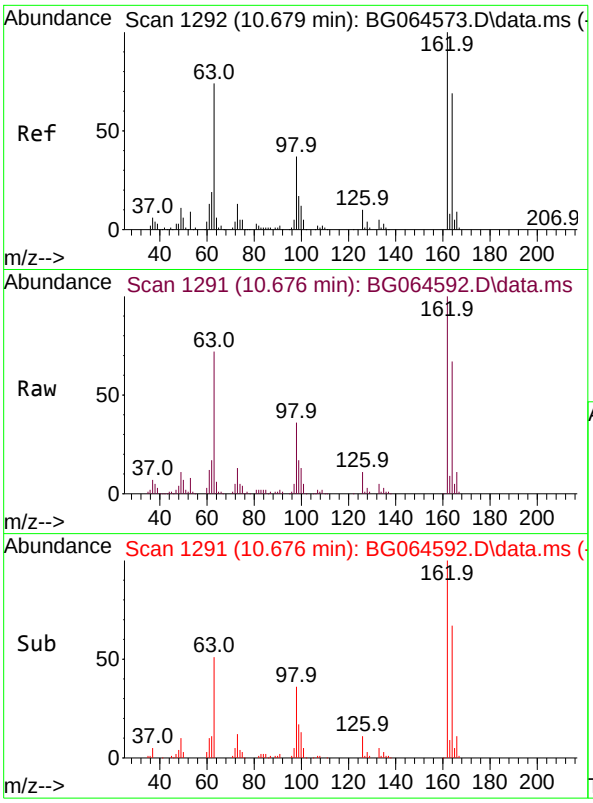


#28
bis(2-Chloroethoxy)methane
Concen: 48.467 ng
RT: 10.435 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 93 Resp: 162179

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.8	8.4	12.6

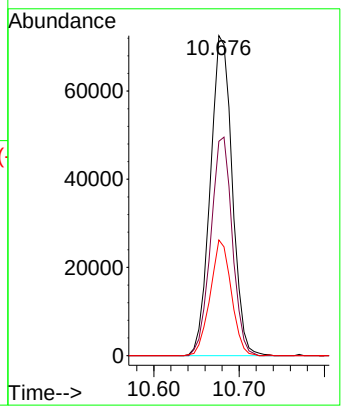




#29
2,4-Dichlorophenol
Concen: 55.005 ng
RT: 10.676 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:162 Resp: 12940

Ion	Ratio	Lower	Upper
162	100		
164	67.0	48.7	88.7
98	36.2	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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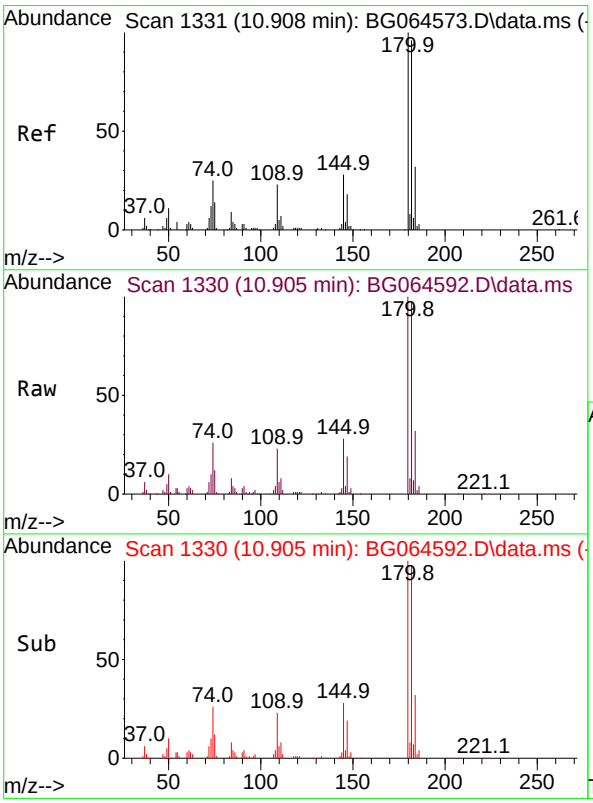
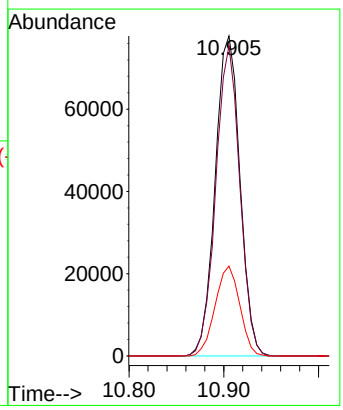
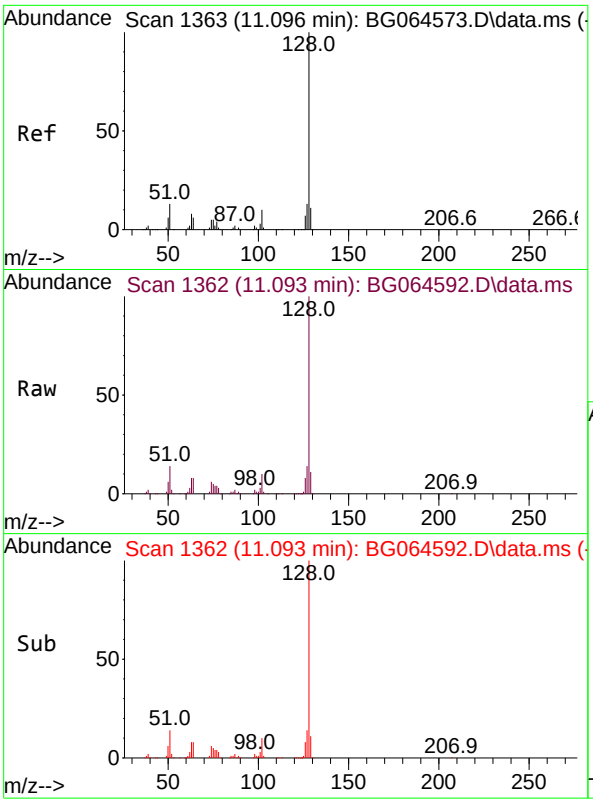


#30
1,2,4-Trichlorobenzene
Concen: 52.834 ng
RT: 10.905 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:180 Resp: 141231

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
145	28.1	22.1	33.1

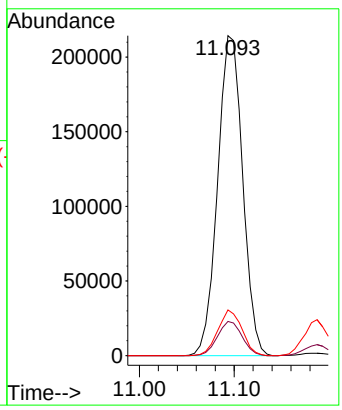




#31
Naphthalene
Concen: 48.257 ng
RT: 11.093 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:128 Resp: 39359

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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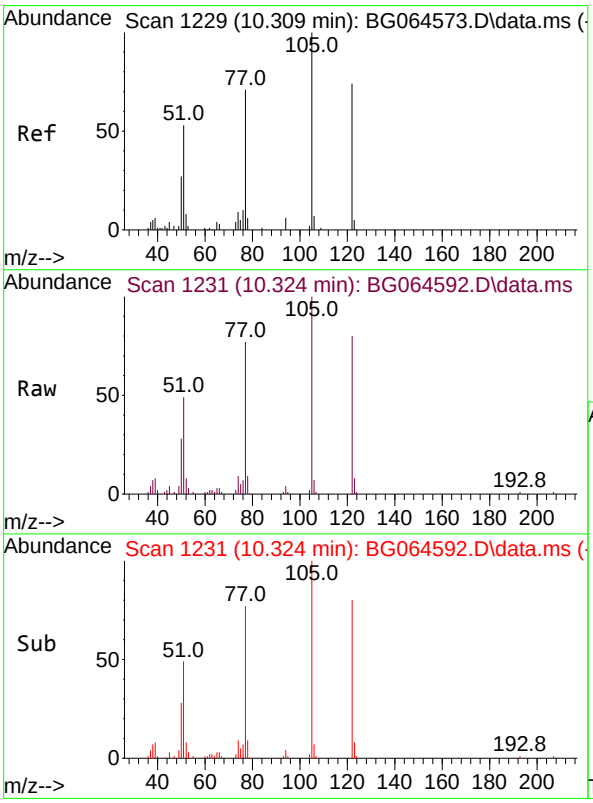
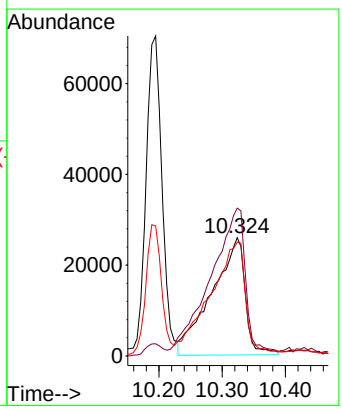
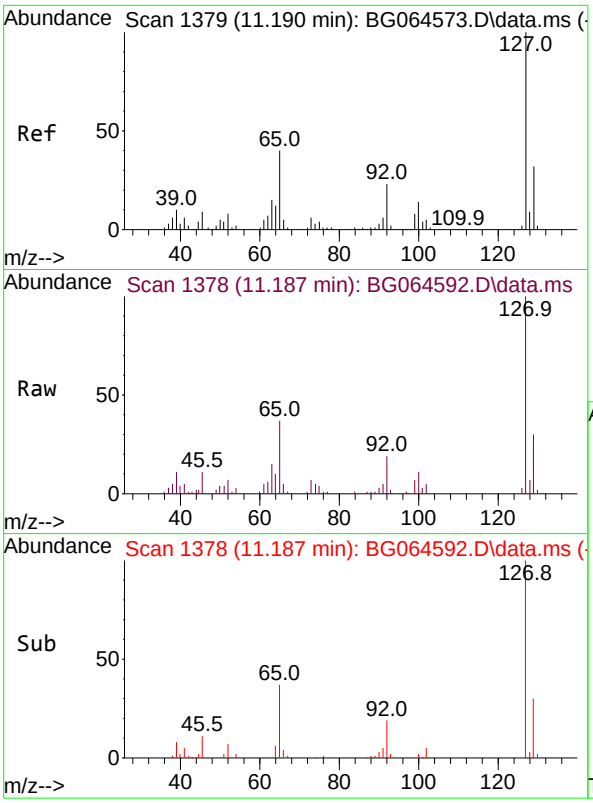


#32
Benzoic acid
Concen: 55.629 ng
RT: 10.324 min Scan# 1231
Delta R.T. 0.015 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:122 Resp: 94984

Ion	Ratio	Lower	Upper
122	100		
105	125.0	104.2	144.2
77	96.3	70.2	110.2

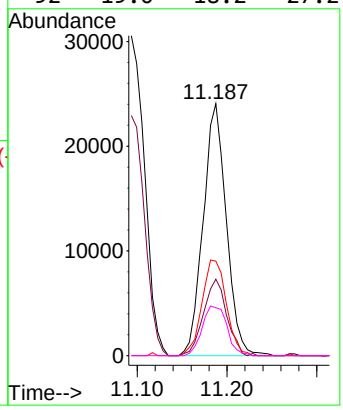




#33
4-Chloroaniline
Concen: 13.570 ng
RT: 11.187 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:127 Resp: 4302

Ion	Ratio	Lower	Upper
127	100		
129	30.3	25.5	38.3
65	37.5	32.2	48.4
92	19.0	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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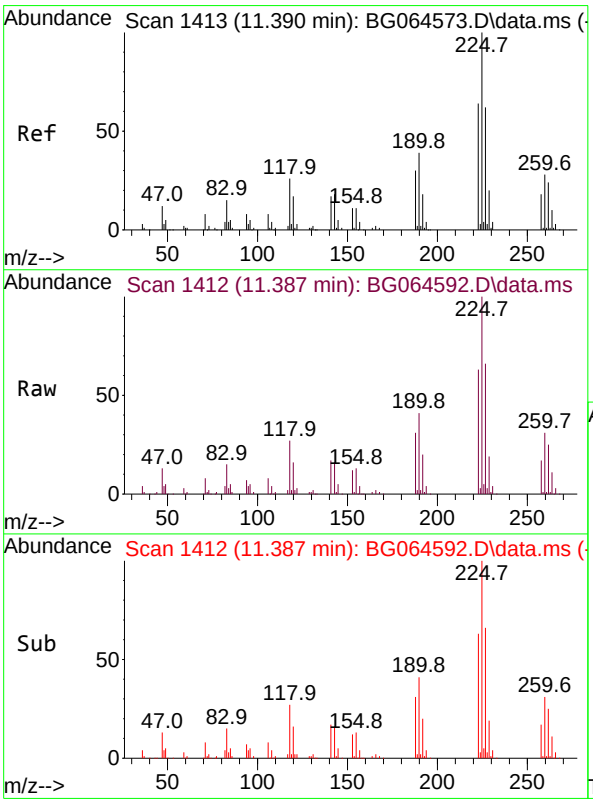
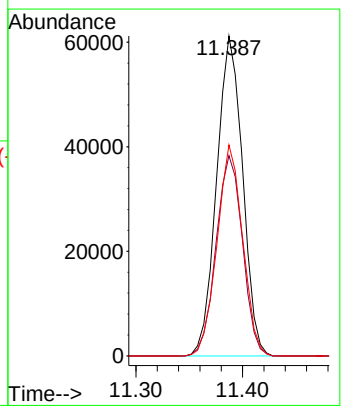
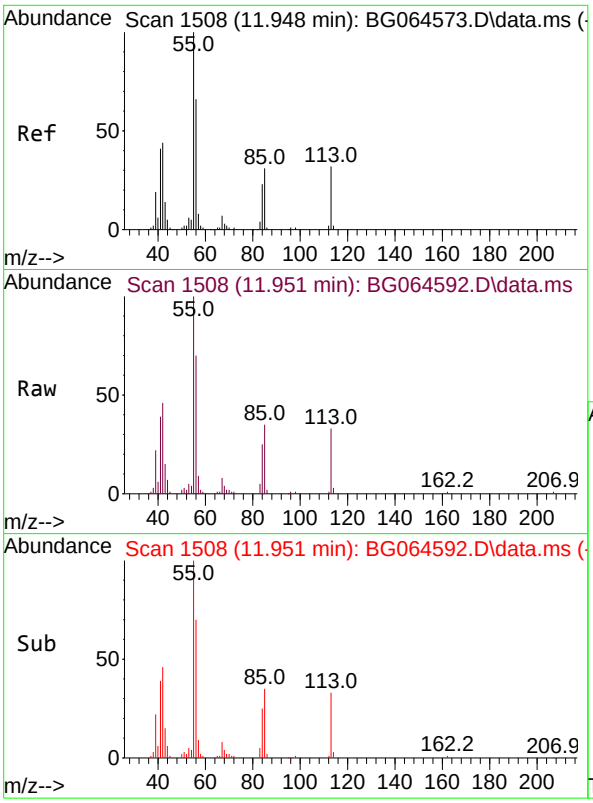


#34
Hexachlorobutadiene
Concen: 49.520 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:225 Resp: 103521

Ion	Ratio	Lower	Upper
225	100		
223	62.6	48.8	73.2
227	69.0	49.5	74.3

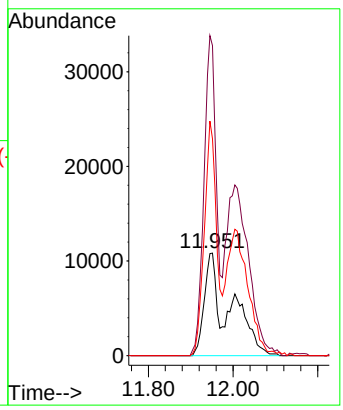




#35
Caprolactam
Concen: 48.800 ng m
RT: 11.951 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:113 Resp: 4403

Ion	Ratio	Lower	Upper
113	100		
55	302.4	290.1	330.1
56	211.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
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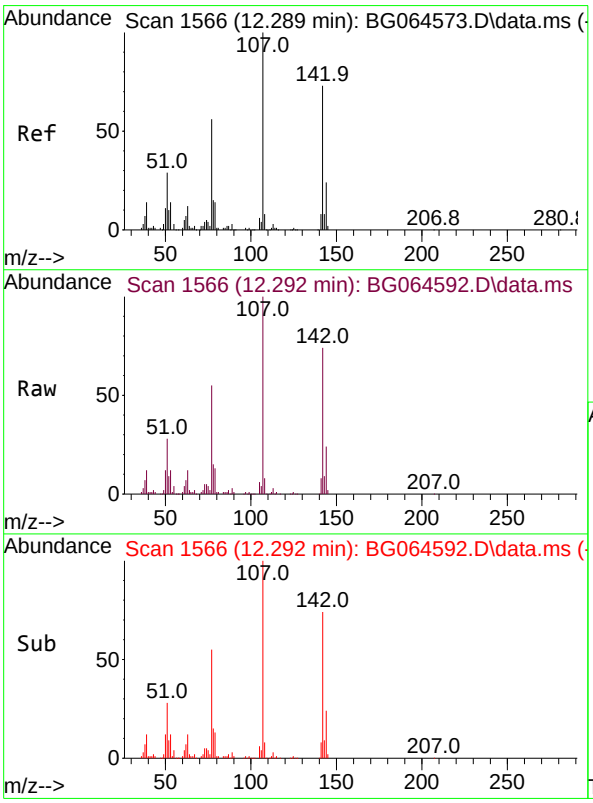
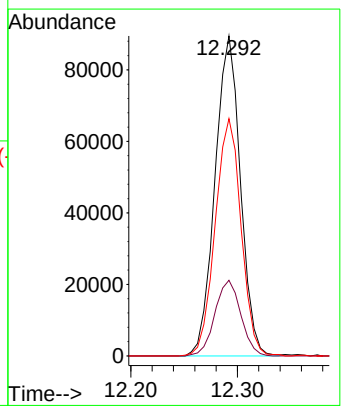
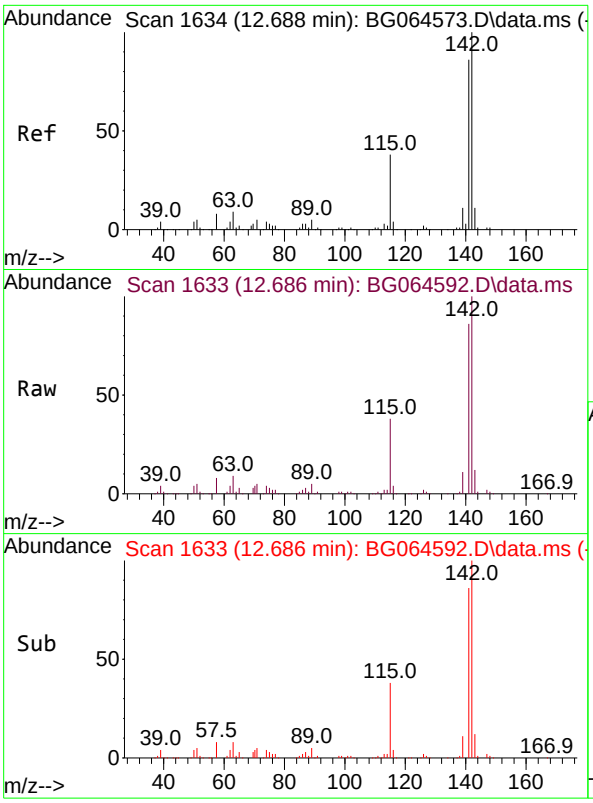


#36
4-Chloro-3-methylphenol
Concen: 52.515 ng
RT: 12.292 min Scan# 1566
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:107 Resp: 148510

Ion	Ratio	Lower	Upper
107	100		
144	23.6	19.1	28.7
142	74.1	58.6	87.8

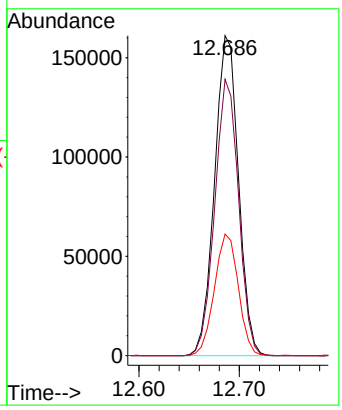




#37
2-Methylnaphthalene
Concen: 44.659 ng
RT: 12.686 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:142 Resp: 26742

Ion	Ratio	Lower	Upper
142	100		
141	86.3	68.9	103.3
115	38.0	30.6	46.0



Instrument :
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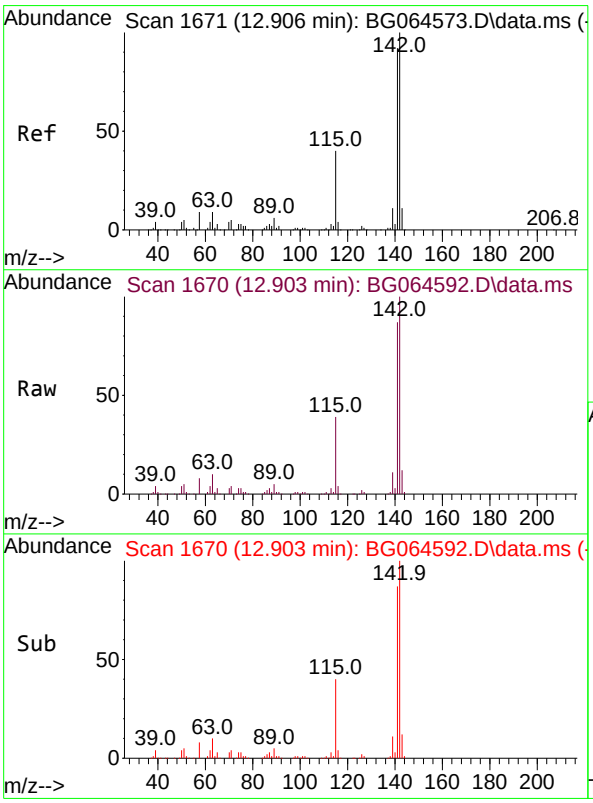
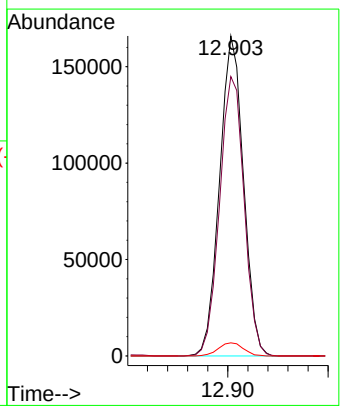
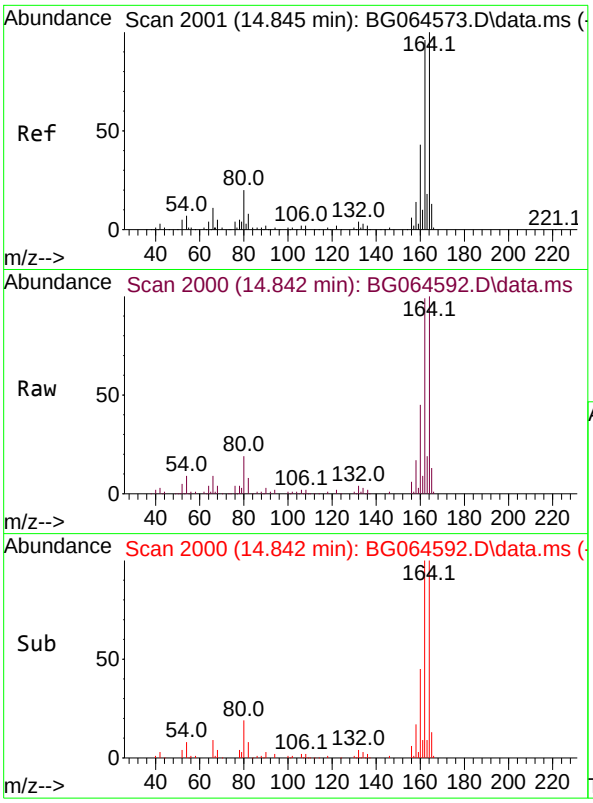


#38
1-Methylnaphthalene
Concen: 46.314 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:142 Resp: 274550

Ion	Ratio	Lower	Upper
142	100		
141	87.3	73.3	109.9
116	4.1	3.1	4.7

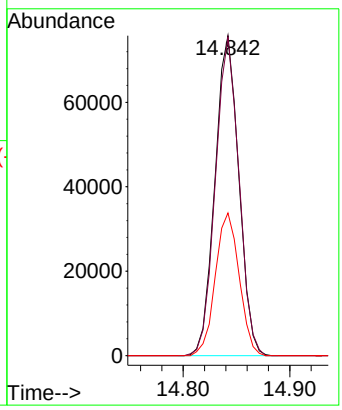




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:164 Resp: 11811

Ion	Ratio	Lower	Upper
164	100		
162	99.4	77.0	115.6
160	44.6	34.4	51.6



Instrument :
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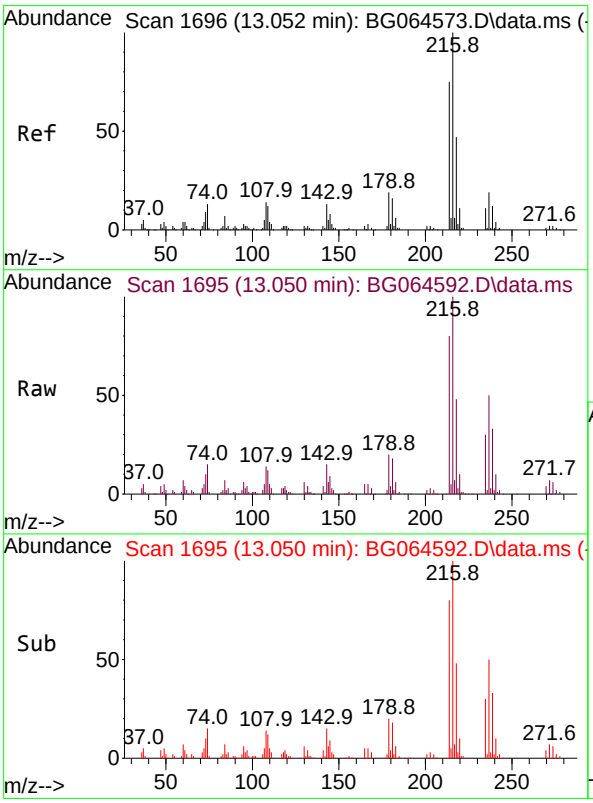
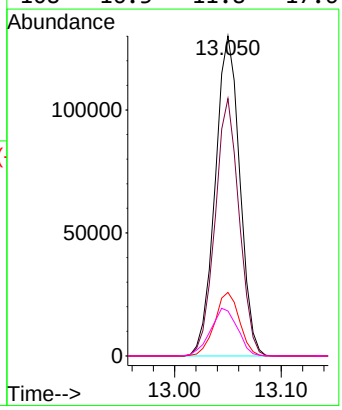
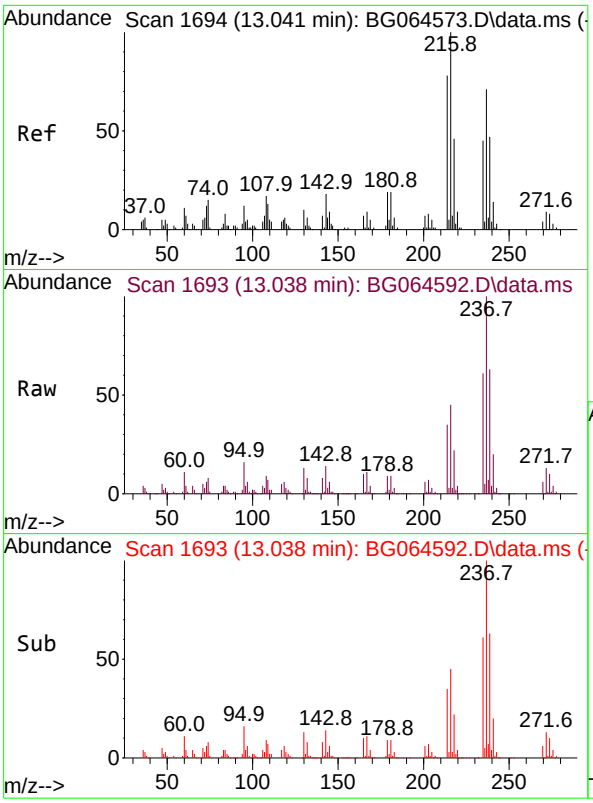


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.718 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:216 Resp: 208972

Ion	Ratio	Lower	Upper
216	100		
214	78.4	61.4	92.2
179	19.9	15.4	23.0
108	16.3	11.8	17.6

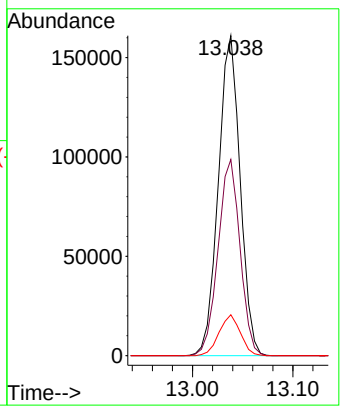




#41
Hexachlorocyclopentadiene
Concen: 136.457 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:237 Resp: 24346

Ion	Ratio	Lower	Upper
237	100		
235	61.3	44.1	84.1
272	12.8	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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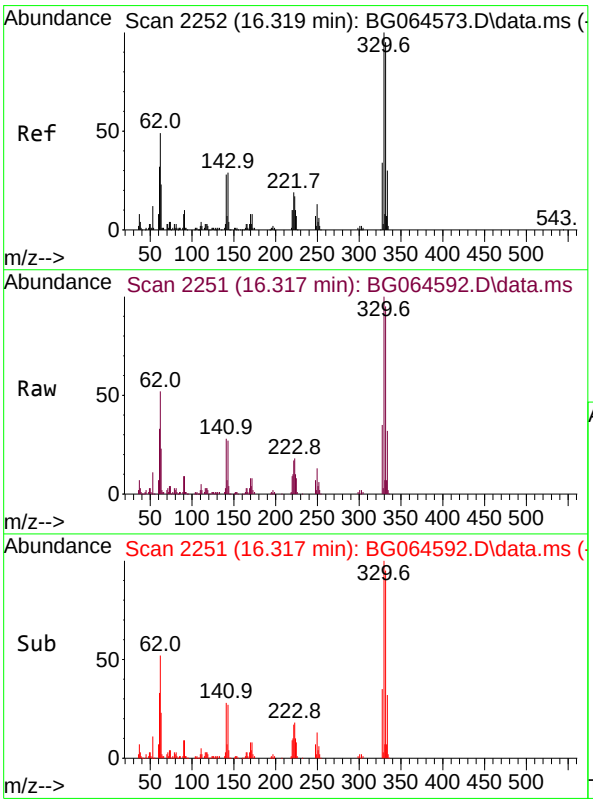
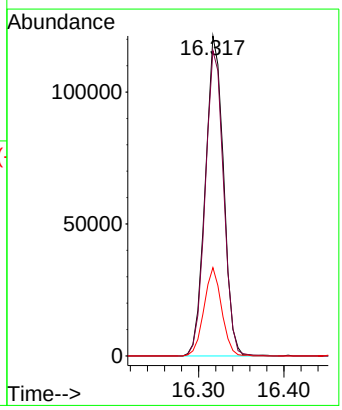
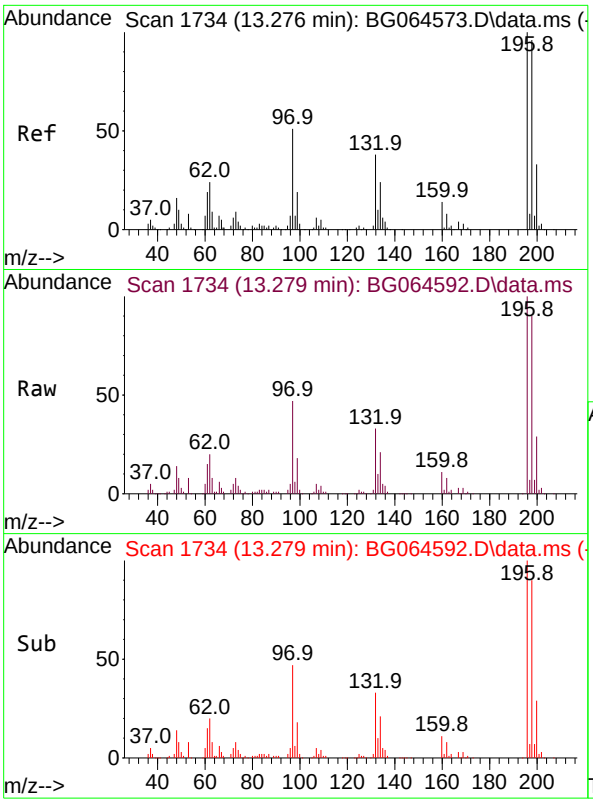


#42
2,4,6-Tribromophenol
Concen: 105.279 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:330 Resp: 179471

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	26.7	21.8	32.6

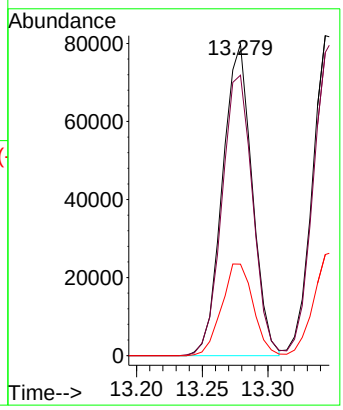




#43
2,4,6-Trichlorophenol
Concen: 55.346 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:196 Resp: 12549

Ion	Ratio	Lower	Upper
196	100		
198	90.0	76.6	115.0
200	29.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
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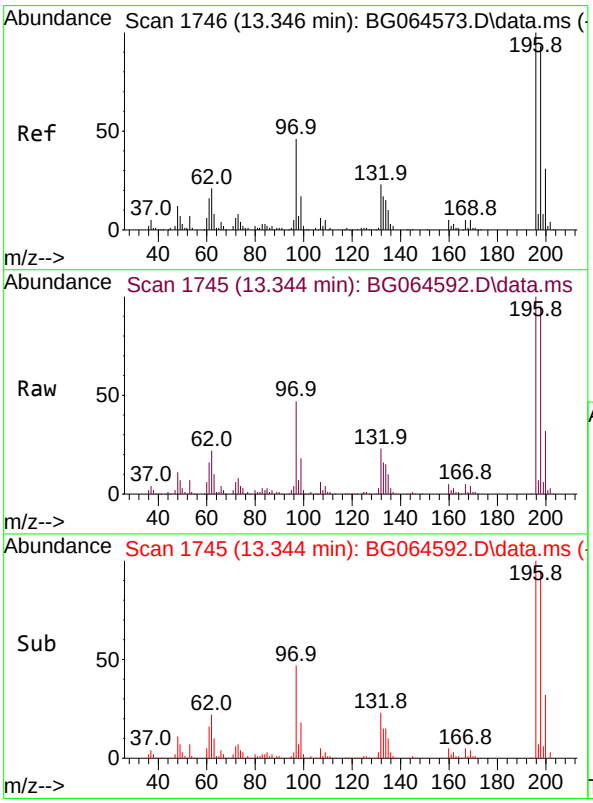
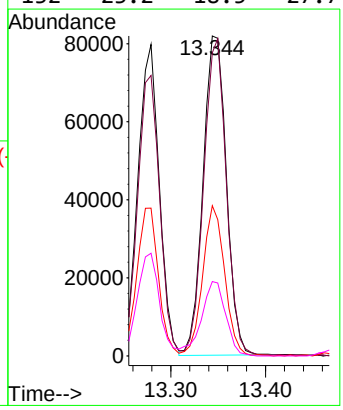
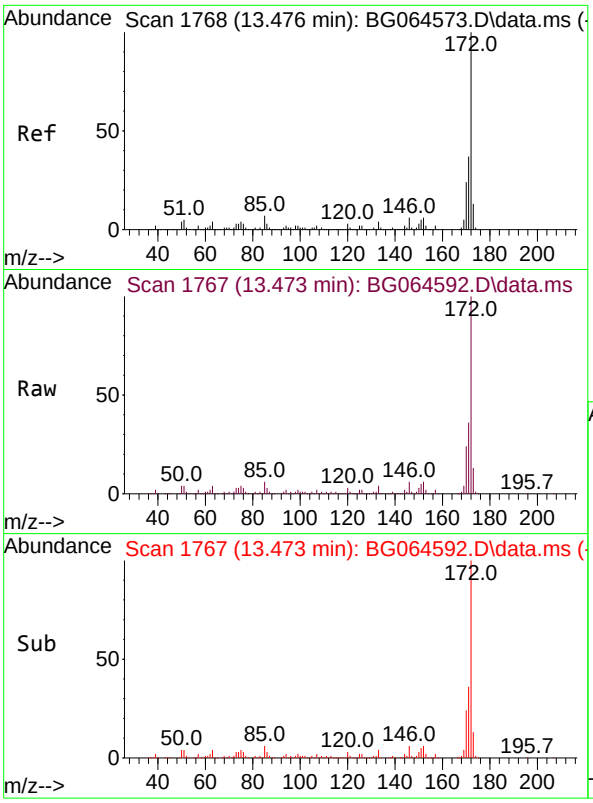


#44
2,4,5-Trichlorophenol
Concen: 53.466 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:196 Resp: 139898

Ion	Ratio	Lower	Upper
196	100		
198	94.7	74.2	111.4
97	46.9	37.0	55.6
132	23.2	18.5	27.7

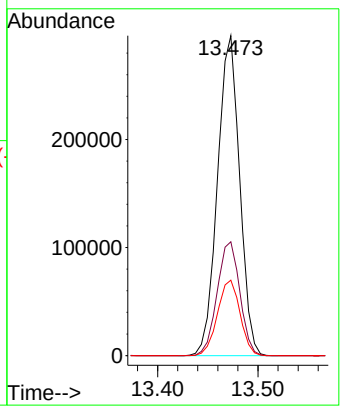




#45
2-Fluorobiphenyl
Concen: 58.311 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:172 Resp: 45438

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.6	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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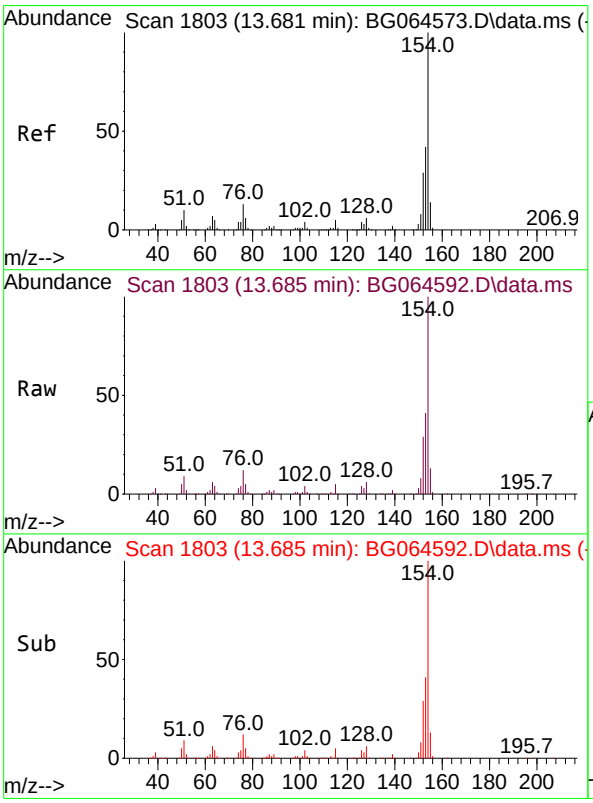
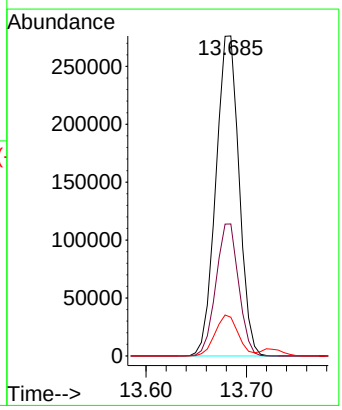
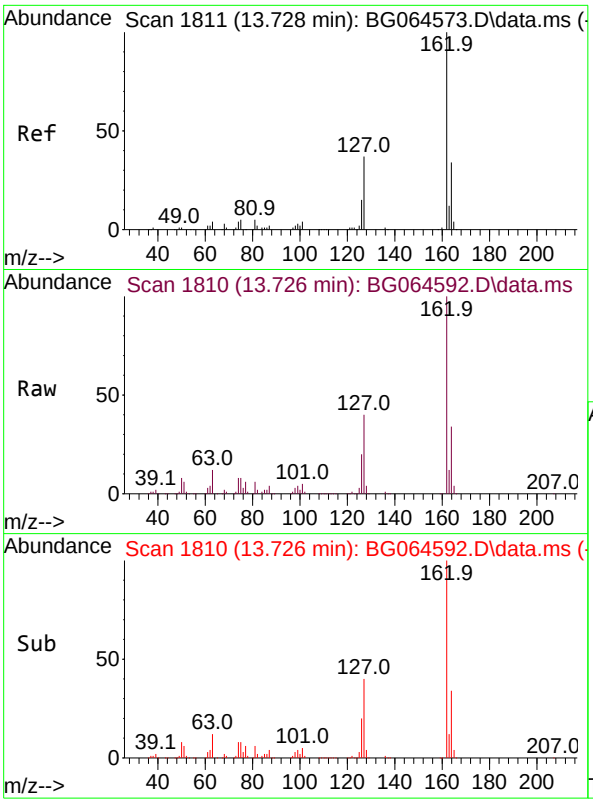


#46
1,1'-Biphenyl
Concen: 52.889 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:154 Resp: 444110

Ion	Ratio	Lower	Upper
154	100		
153	41.2	22.4	62.4
76	12.1	0.0	33.5

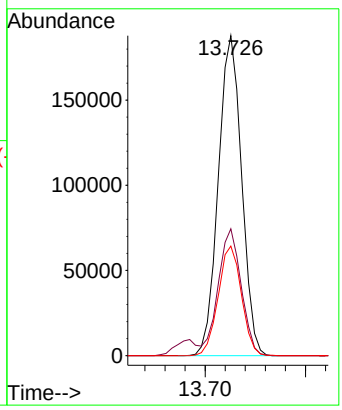




#47
2-Chloronaphthalene
Concen: 47.897 ng
RT: 13.726 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:162 Resp: 30358

Ion	Ratio	Lower	Upper
162	100		
127	39.6	32.2	48.2
164	34.2	27.5	41.3



Instrument :
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ClientSampleId :
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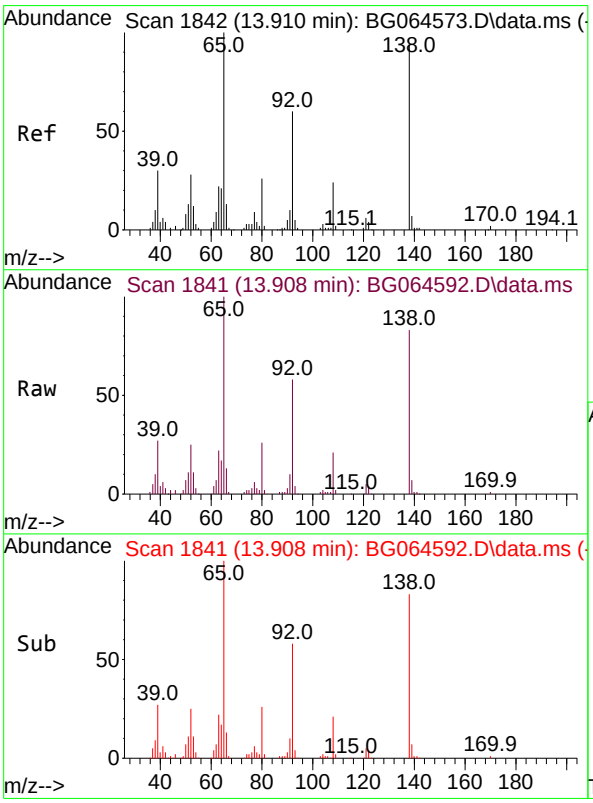
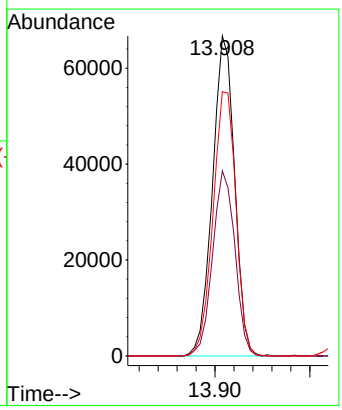
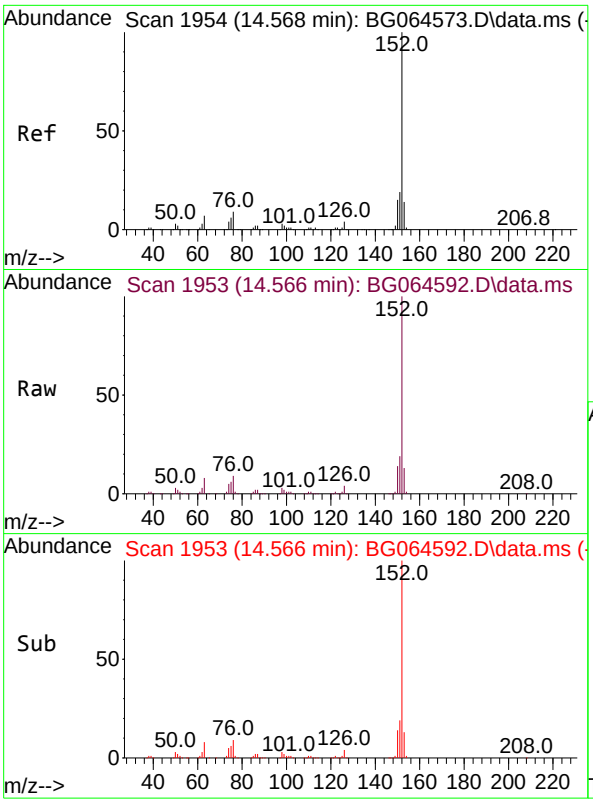


#48
2-Nitroaniline
Concen: 50.527 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 65 Resp: 107900

Ion	Ratio	Lower	Upper
65	100		
92	57.8	48.3	72.5
138	82.5	74.9	112.3

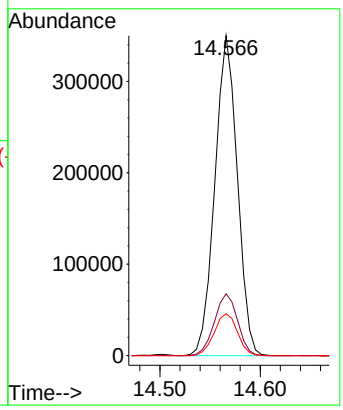




#49
Acenaphthylene
Concen: 54.565 ng
RT: 14.566 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:152 Resp: 54552

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.1	11.0	16.4



Instrument :
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ClientSampleId :
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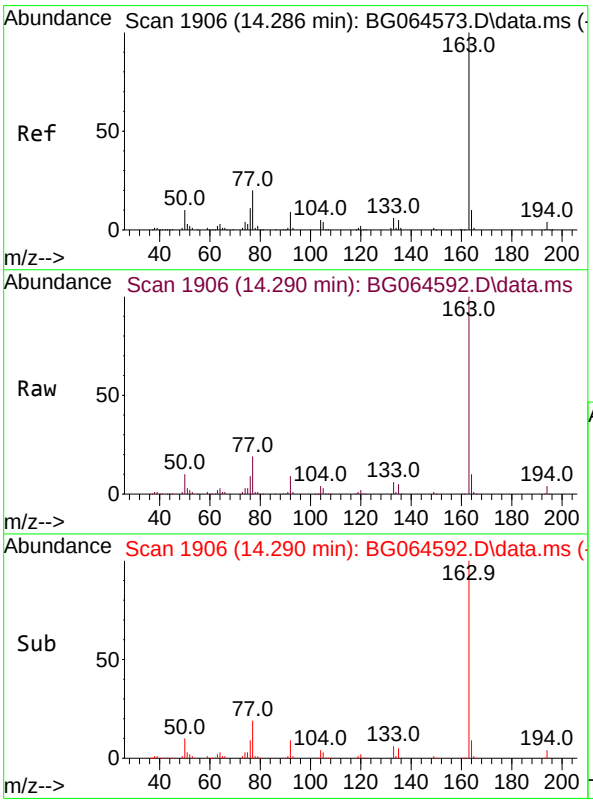
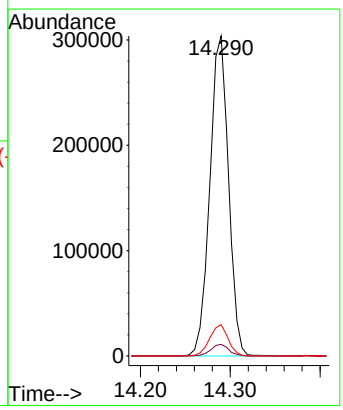
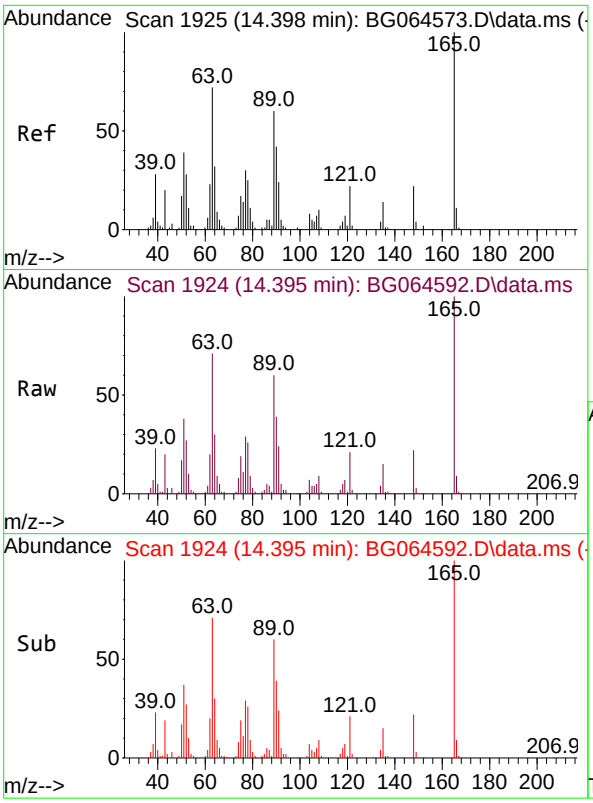


#50
Dimethylphthalate
Concen: 48.650 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:163 Resp: 439698

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.8	7.7	11.5

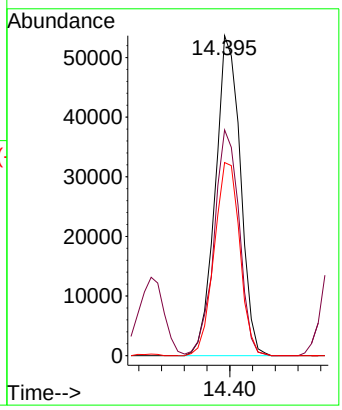




#51
2,6-Dinitrotoluene
Concen: 54.530 ng
RT: 14.395 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:165 Resp: 8201

Ion	Ratio	Lower	Upper
165	100		
63	70.5	57.4	86.0
89	60.3	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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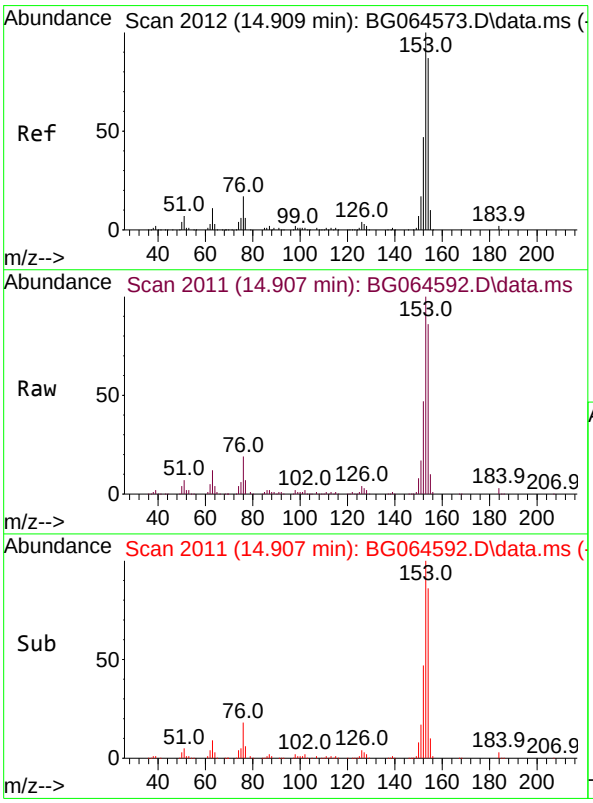
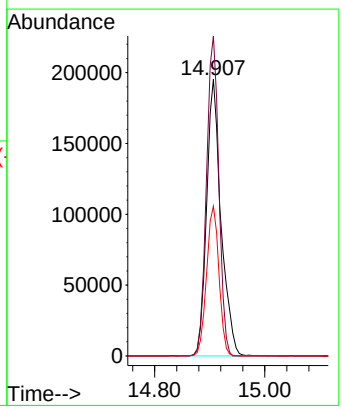
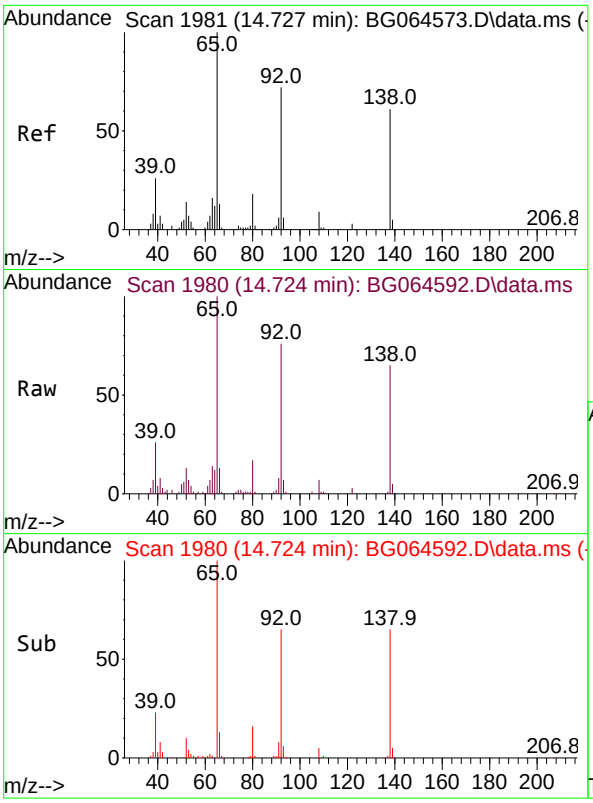


#52
Acenaphthene
Concen: 51.966 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:154 Resp: 354955

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.2	138.4
152	54.1	43.2	64.8

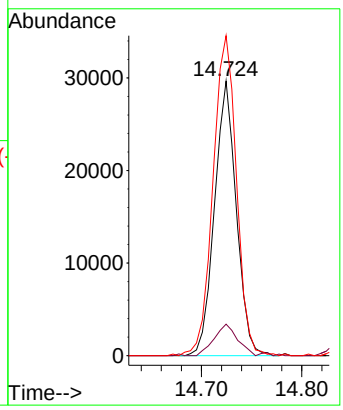




#53
3-Nitroaniline
Concen: 28.873 ng
RT: 14.724 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:138 Resp: 4484

Ion	Ratio	Lower	Upper
138	100		
108	11.5	11.4	17.0
92	116.6	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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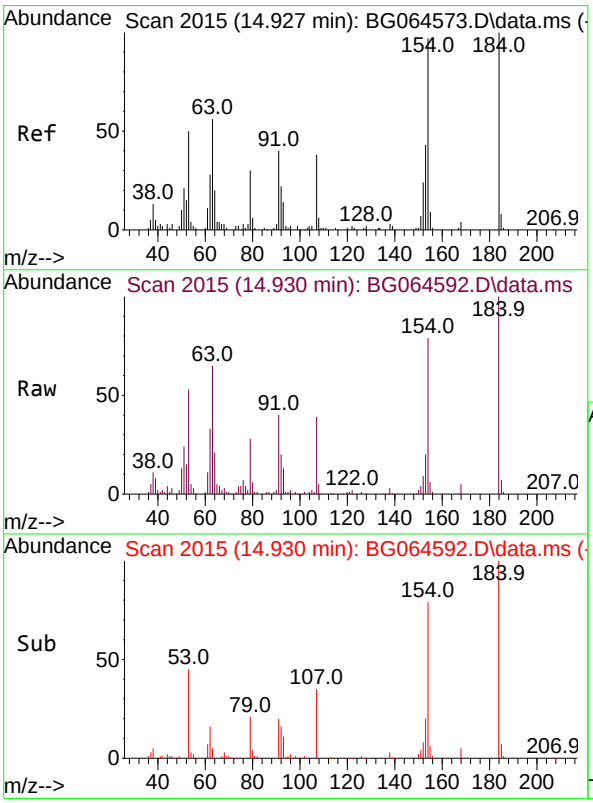
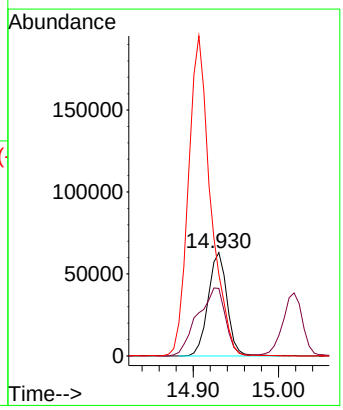
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

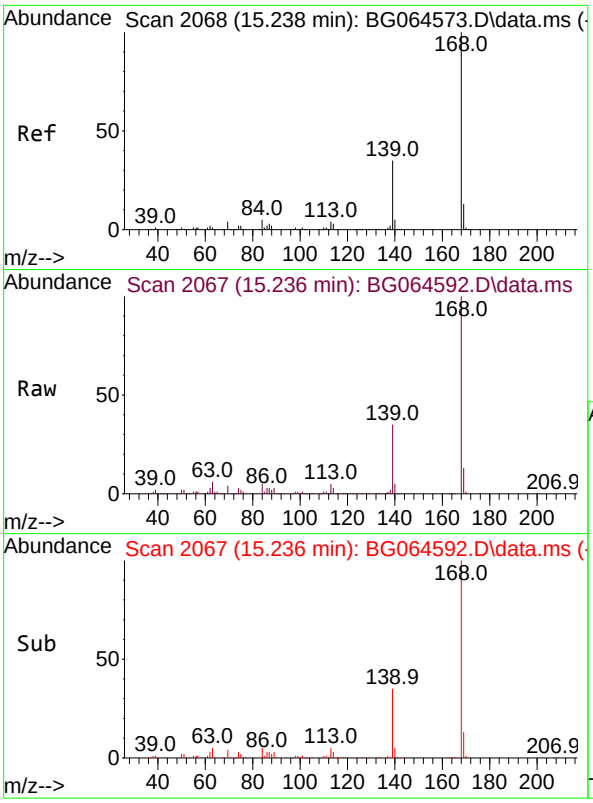


#54
2,4-Dinitrophenol
Concen: 104.186 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:184 Resp: 96997

Ion	Ratio	Lower	Upper
184	100		
63	65.4	56.6	85.0
154	78.9	158.6	238.0#

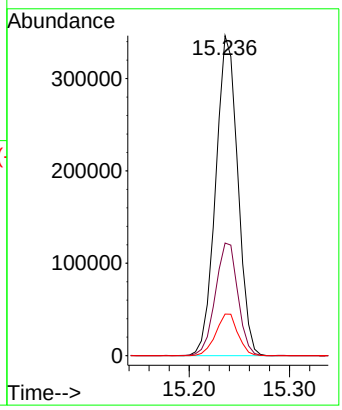




#55
Dibenzofuran
Concen: 47.985 ng
RT: 15.236 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:168 Resp: 52989

Ion	Ratio	Lower	Upper
168	100		
139	35.2	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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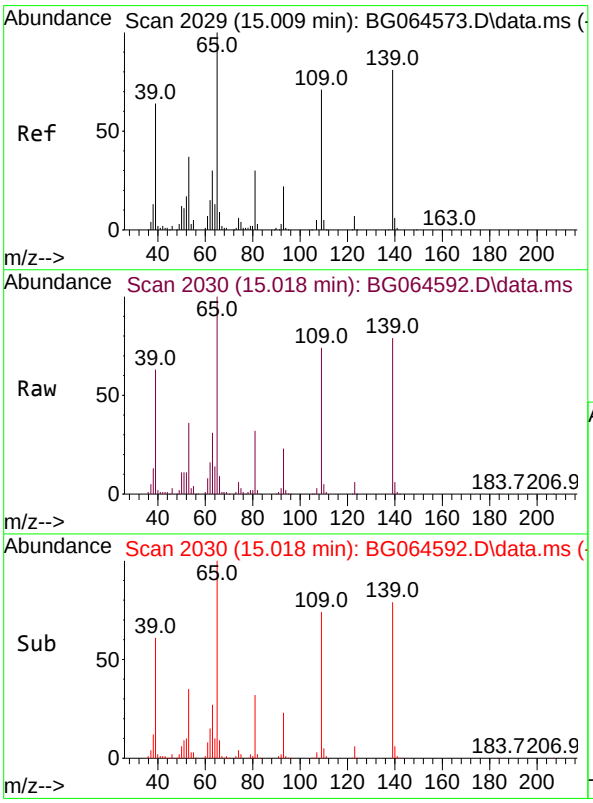
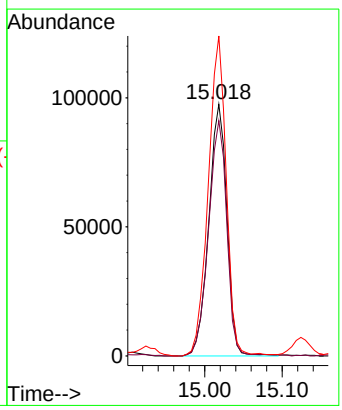
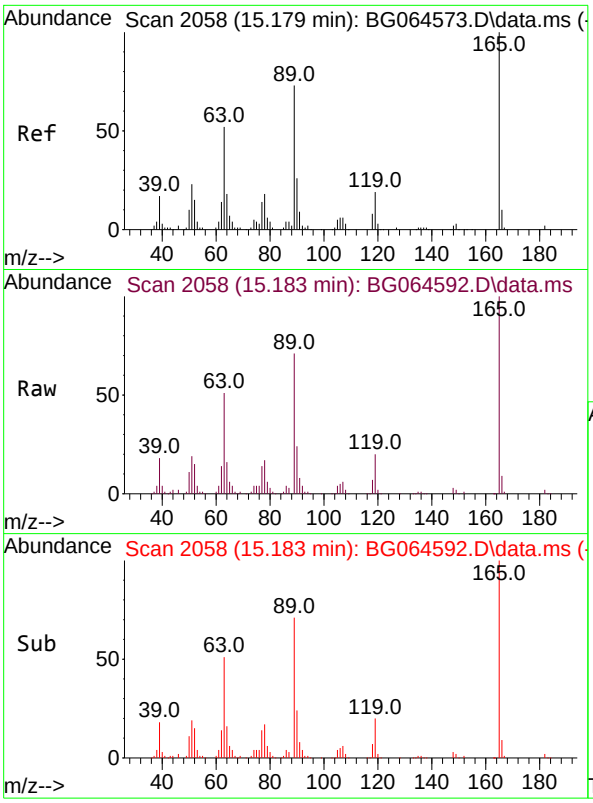


#56
4-Nitrophenol
Concen: 110.376 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:139 Resp: 158948

Ion	Ratio	Lower	Upper
139	100		
109	93.5	67.8	107.8
65	127.2	103.7	143.7

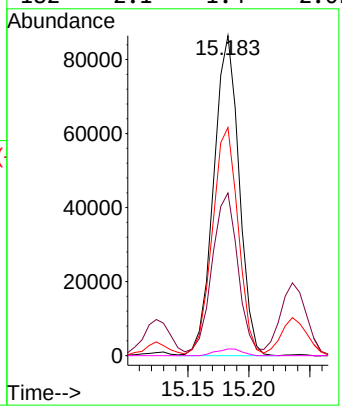




#57
2,4-Dinitrotoluene
Concen: 53.794 ng
RT: 15.183 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:165 Resp: 12494

Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	71.3	58.1	87.1
182	2.1	1.4	2.0#



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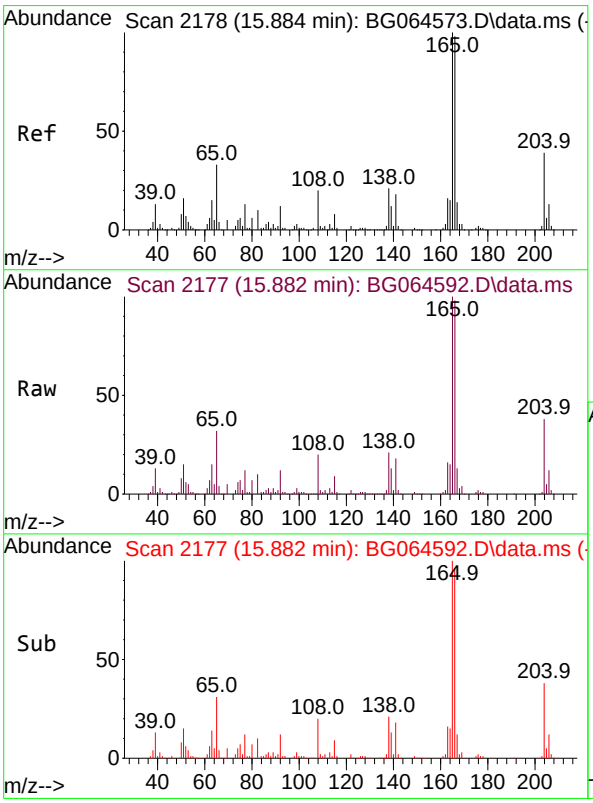
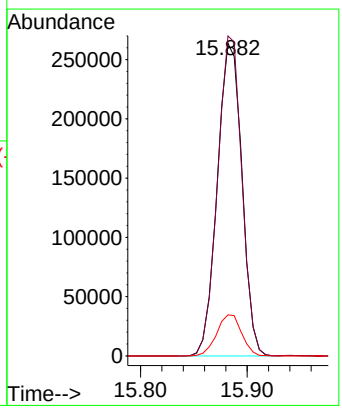
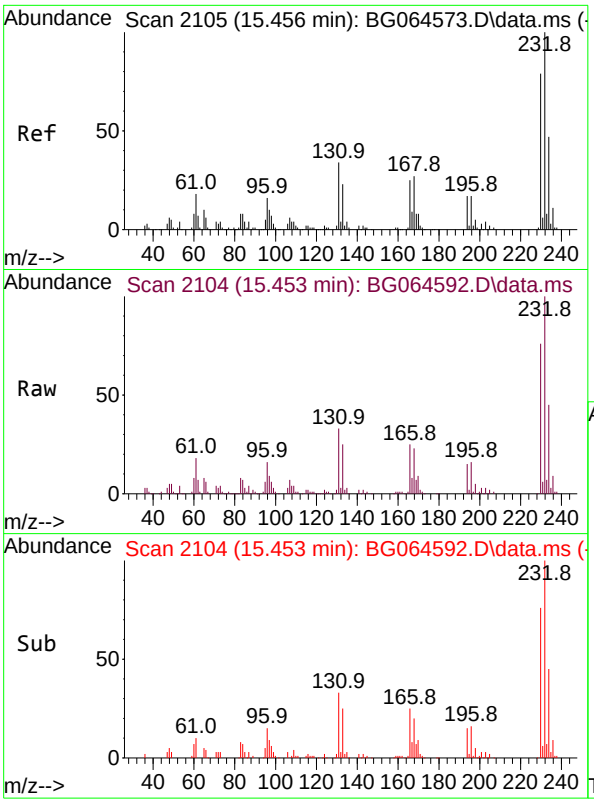


#58
Fluorene
Concen: 49.236 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:166 Resp: 424621

Ion	Ratio	Lower	Upper
166	100		
165	102.4	81.5	122.3
167	13.1	11.4	17.0

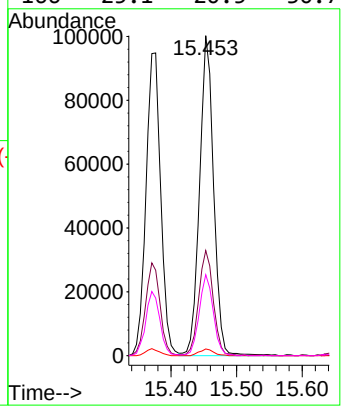




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.313 ng
RT: 15.453 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:232 Resp: 14840

Ion	Ratio	Lower	Upper
232	100		
131	34.0	26.7	40.1
130	2.1	1.6	2.4
166	25.1	20.5	30.7



Instrument :
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ClientSampleId :
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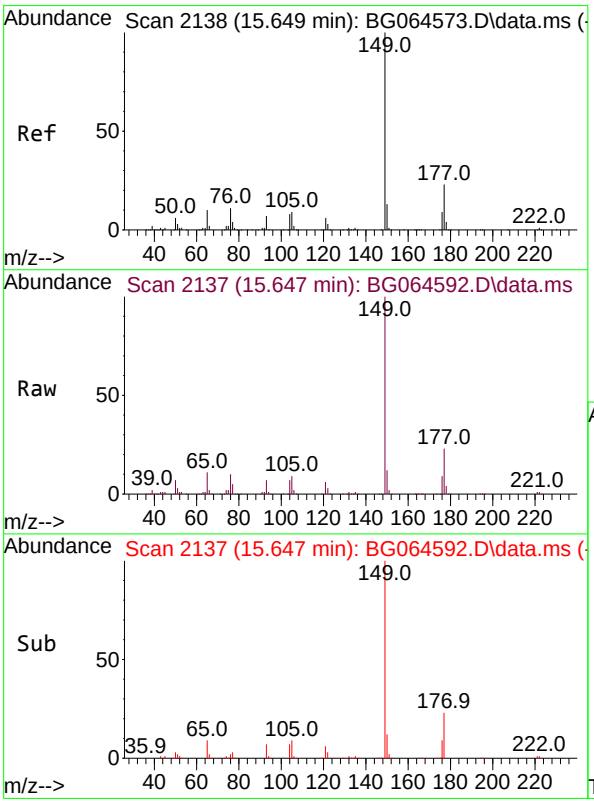
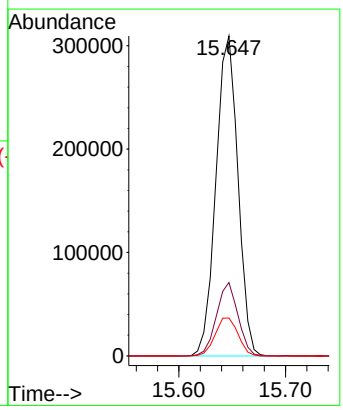
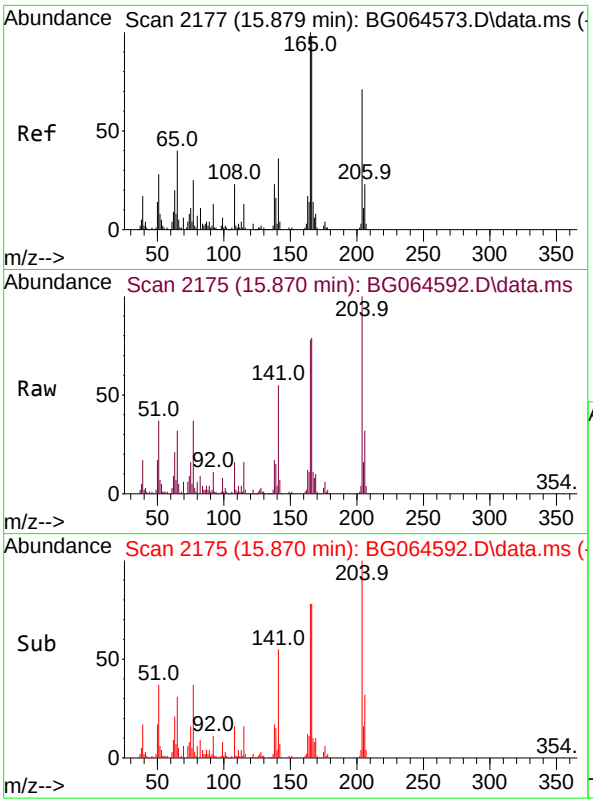


#60
Diethylphthalate
Concen: 48.061 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:149 Resp: 443525

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.0	27.0
150	11.8	10.2	15.4

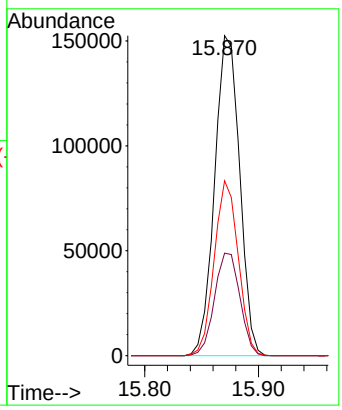




#61
4-Chlorophenyl-phenylether
Concen: 48.191 ng
RT: 15.870 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:204 Resp: 23323

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	54.6	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
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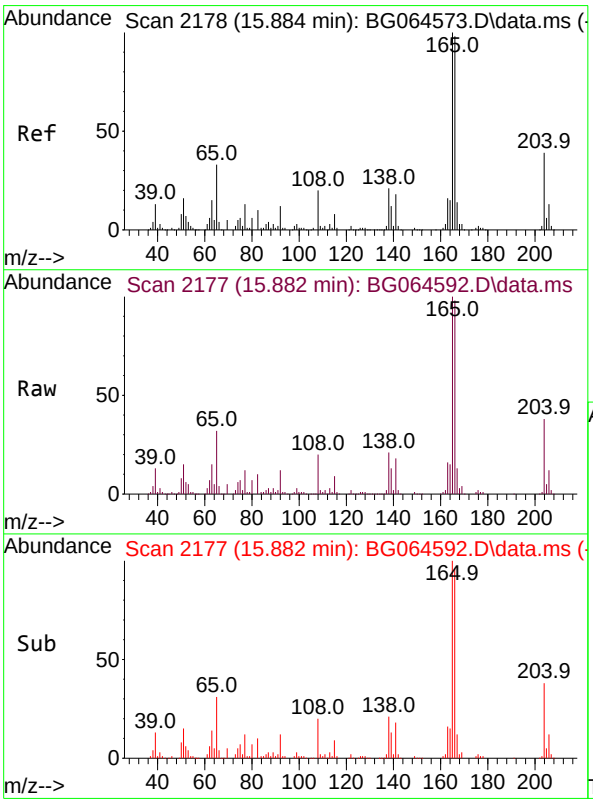
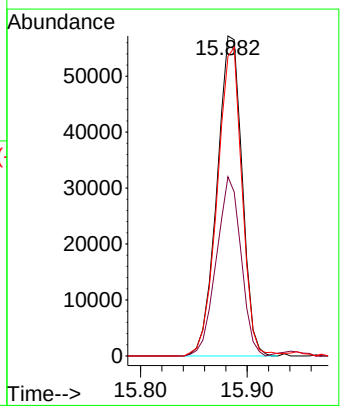
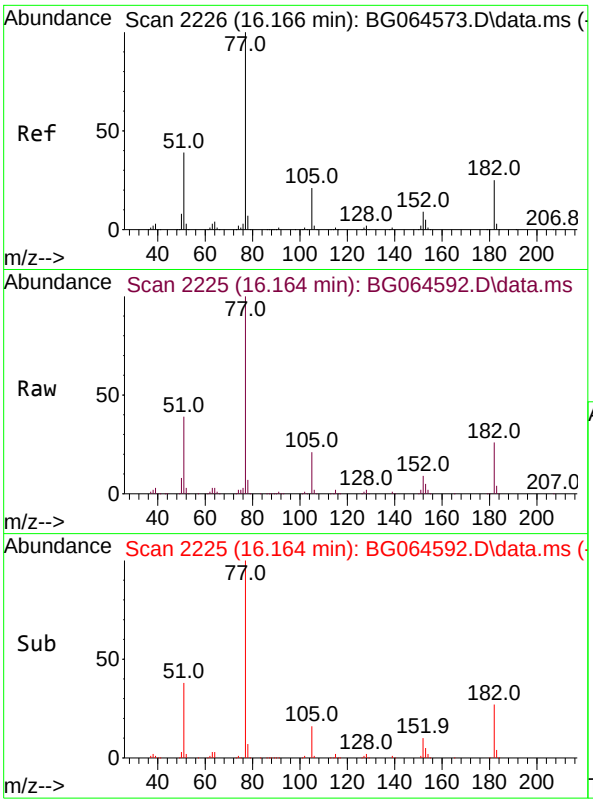


#62
4-Nitroaniline
Concen: 54.154 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:138 Resp: 93577

Ion	Ratio	Lower	Upper
138	100		
92	56.0	36.1	76.1
108	93.6	75.6	115.6

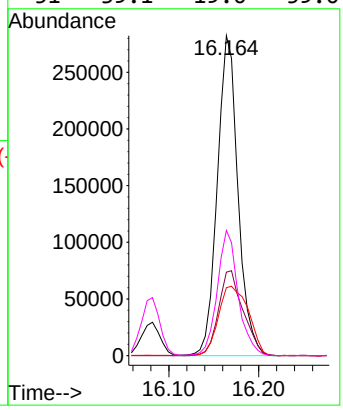




#63
Azobenzene
Concen: 53.578 ng
RT: 16.164 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion: 77 Resp: 45365

Ion	Ratio	Lower	Upper
77	100		
182	26.1	4.9	44.9
105	21.2	1.3	41.3
51	39.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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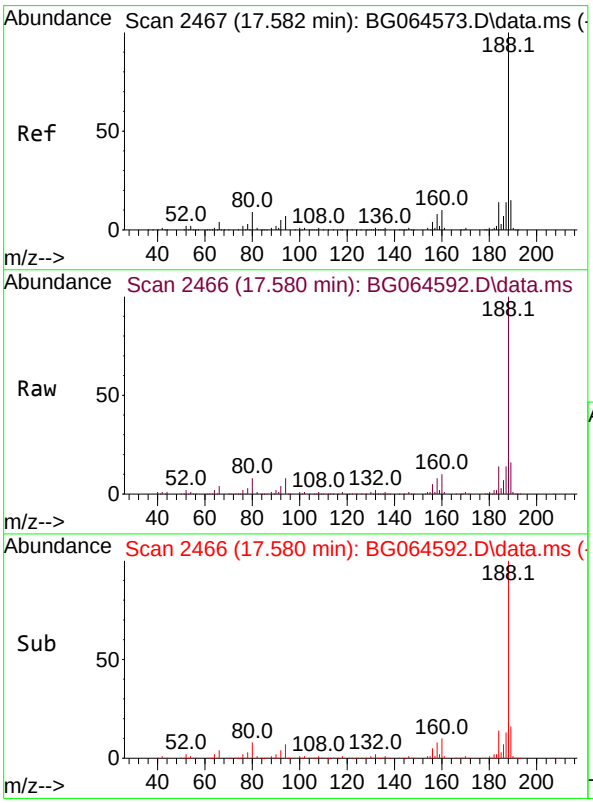
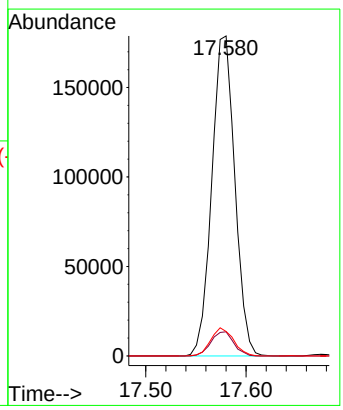
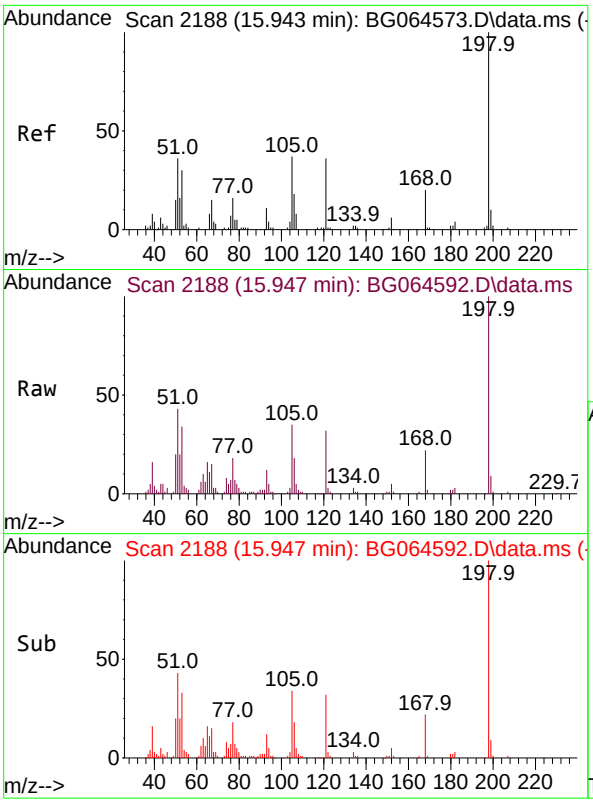


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:188 Resp: 285291

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	7.6	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 53.613 ng
RT: 15.947 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:198 Resp: 6820

Ion	Ratio	Lower	Upper
198	100		
51	42.9	24.7	64.7
105	34.7	18.0	58.0

Instrument :
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ClientSampleId :
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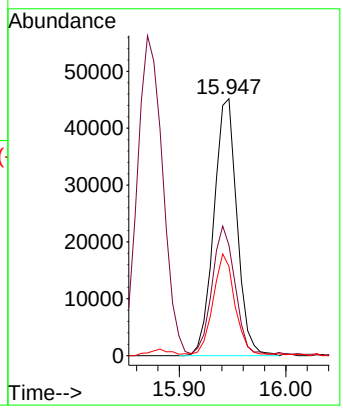
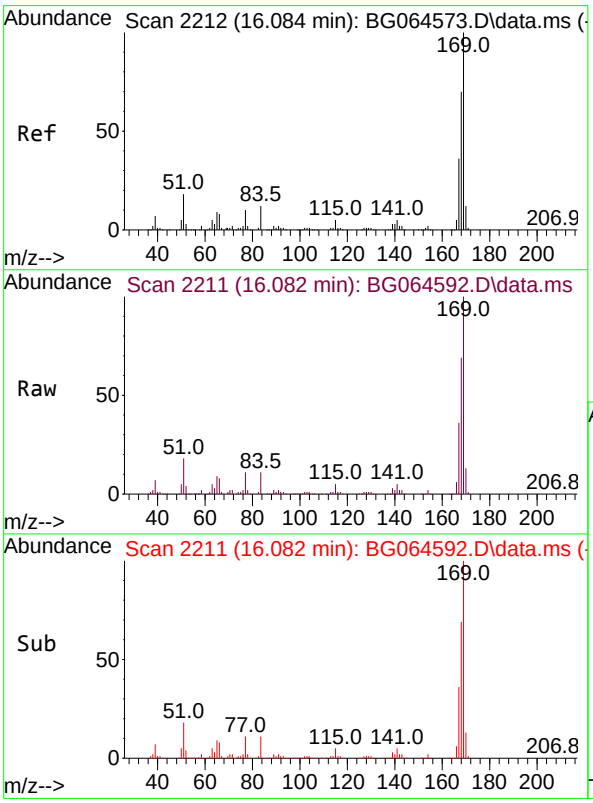
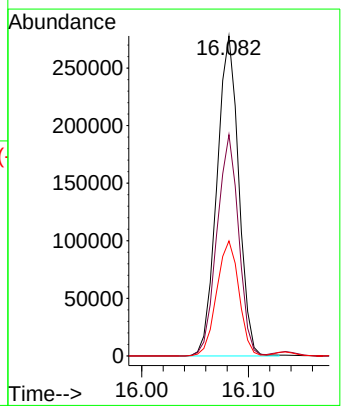


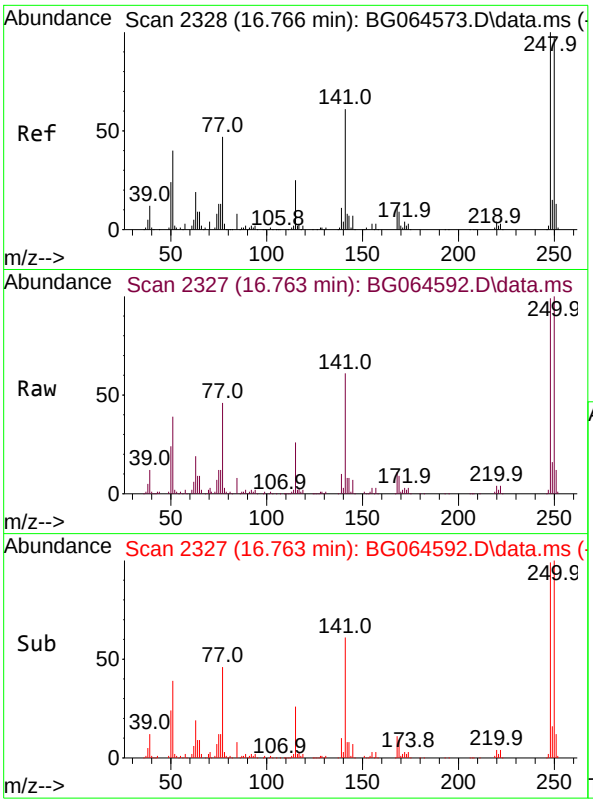


#66
n-Nitrosodiphenylamine
Concen: 51.234 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:169 Resp: 394831

Ion	Ratio	Lower	Upper
169	100		
168	69.1	56.3	84.5
167	35.9	29.0	43.6

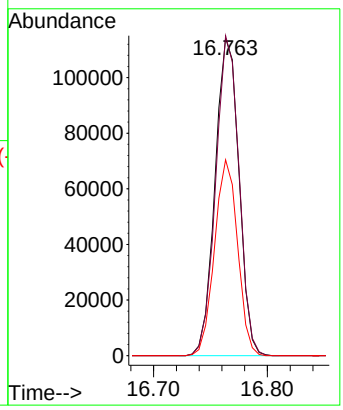




#67
4-Bromophenyl-phenylether
Concen: 49.056 ng
RT: 16.763 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:248 Resp: 16584

Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.7	116.5
141	61.7	48.6	72.8



Instrument :
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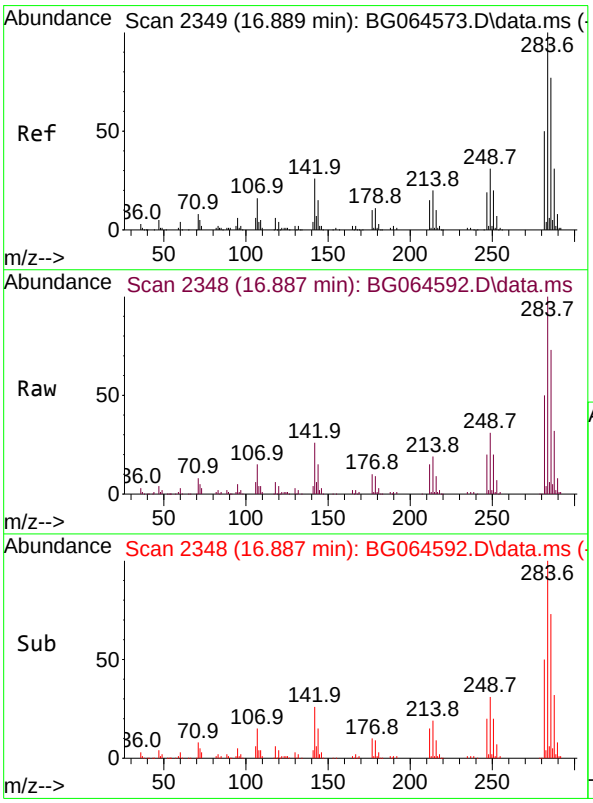
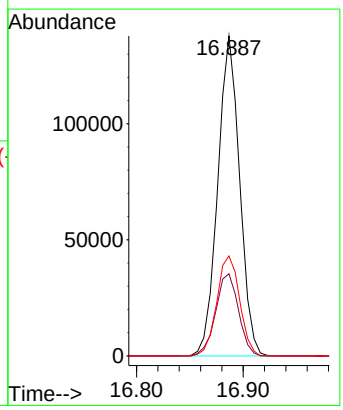
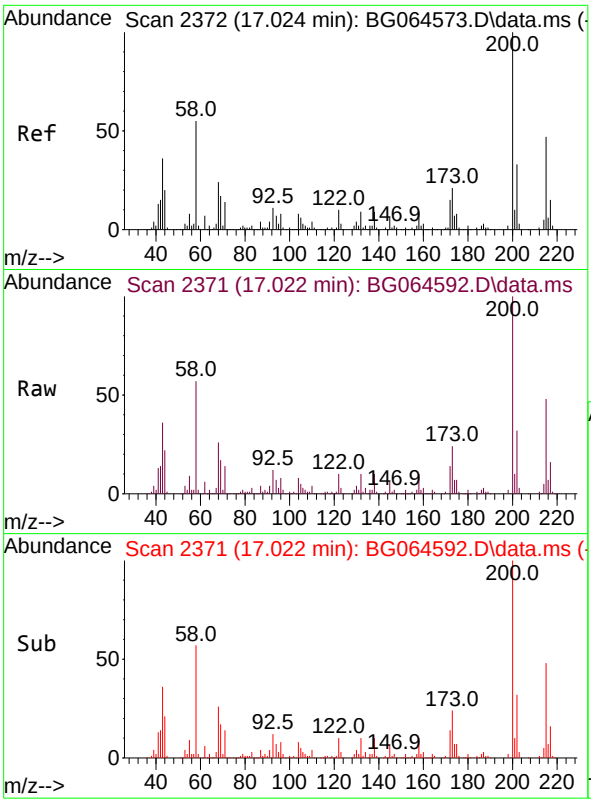


#68
Hexachlorobenzene
Concen: 51.031 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:284 Resp: 196822

Ion	Ratio	Lower	Upper
284	100		
142	25.7	21.0	31.6
249	33.3	24.9	37.3

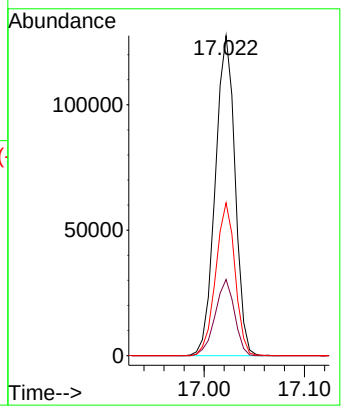




#69
Atrazine
Concen: 52.715 ng
RT: 17.022 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:200 Resp: 17482

Ion	Ratio	Lower	Upper
200	100		
173	23.8	0.9	40.9
215	47.7	27.0	67.0



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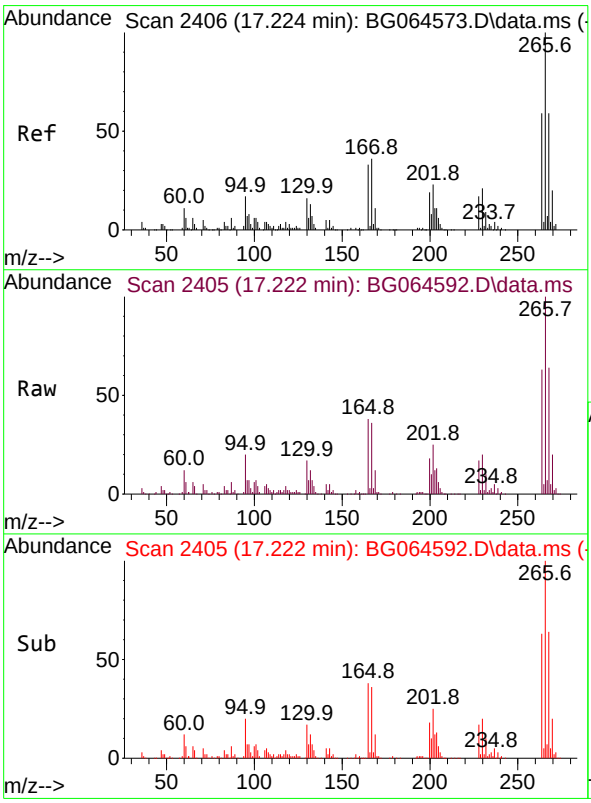
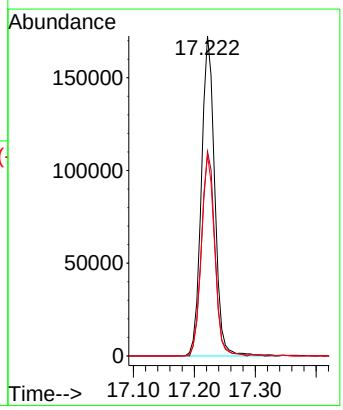
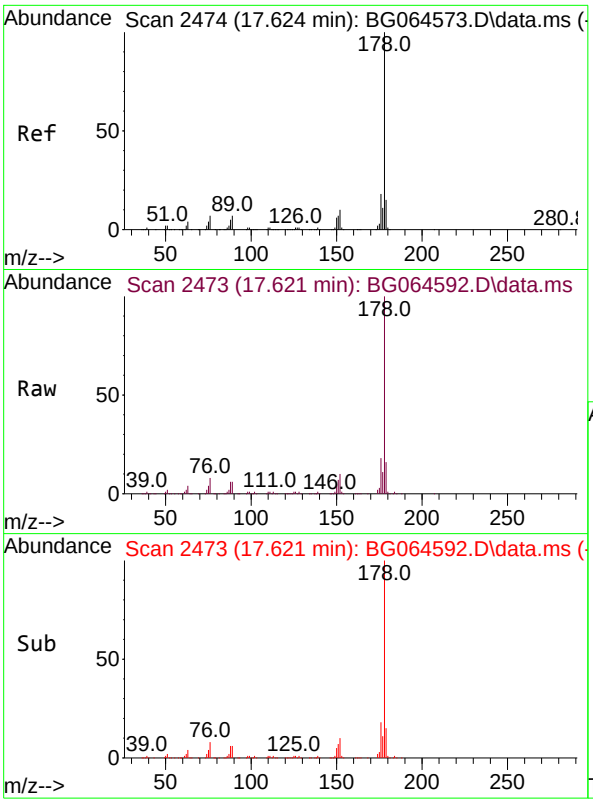


#70
Pentachlorophenol
Concen: 108.692 ng
RT: 17.222 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:266 Resp: 261418

Ion	Ratio	Lower	Upper
266	100		
268	68.4	50.3	75.5
264	62.8	47.3	70.9

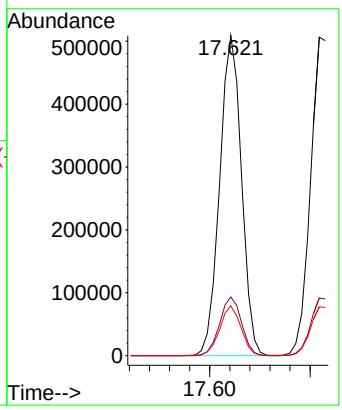




#71
Phenanthrene
Concen: 49.309 ng
RT: 17.621 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:178 Resp: 76929

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.5	12.2	18.4



Instrument :
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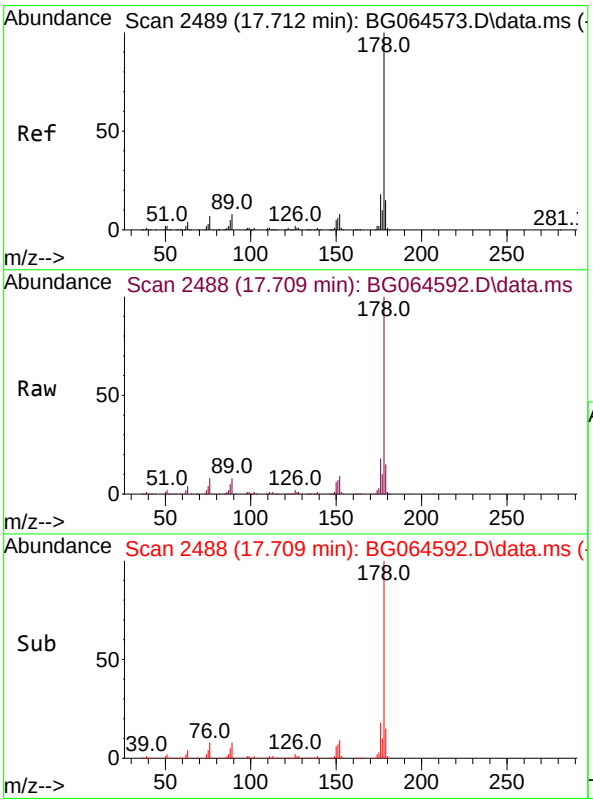
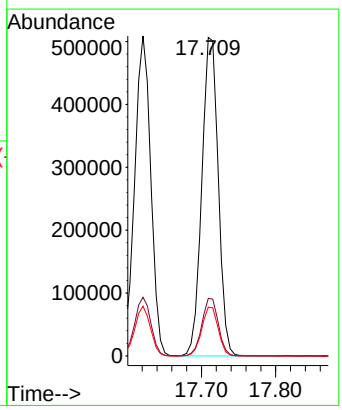
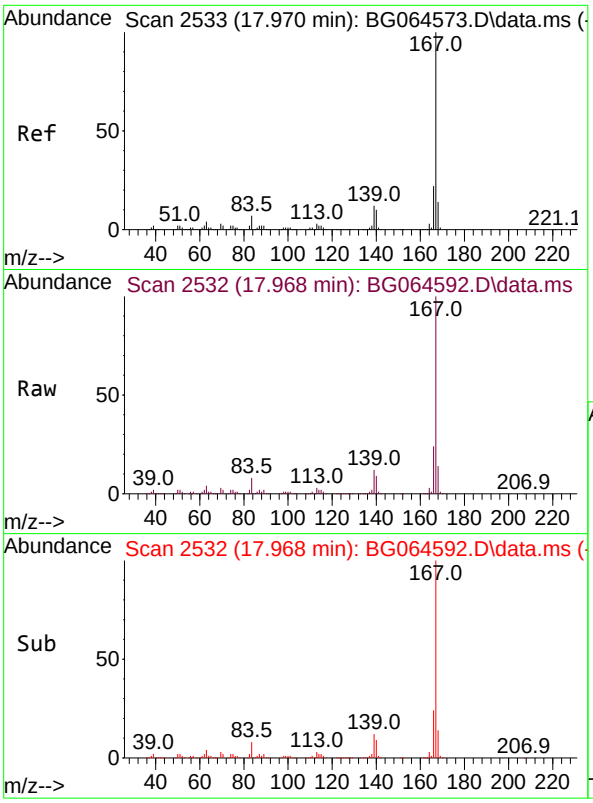


#72
Anthracene
Concen: 49.122 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:178 Resp: 779580

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.3	12.4	18.6

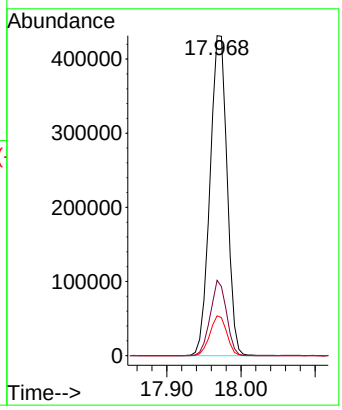




#73
Carbazole
Concen: 49.335 ng
RT: 17.968 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:167 Resp: 690430

Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.9	26.9
139	12.4	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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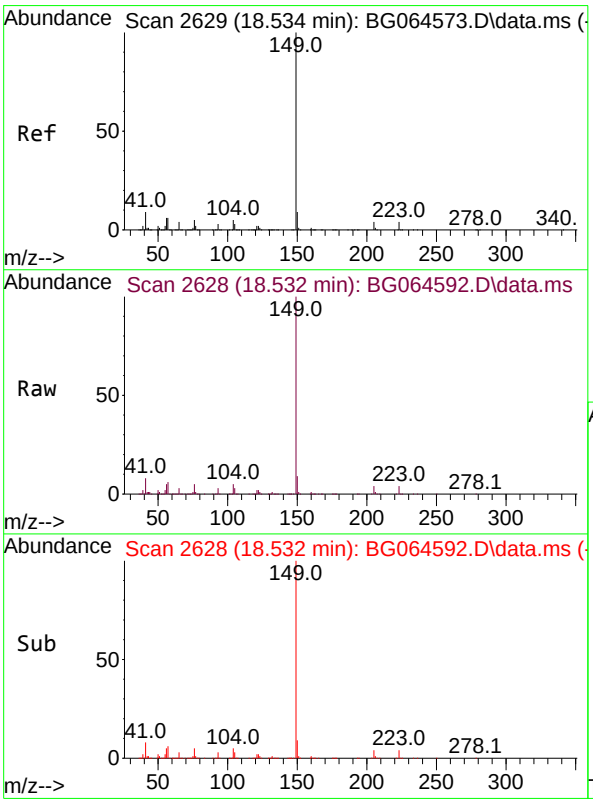
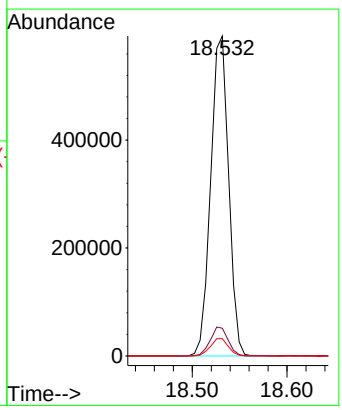
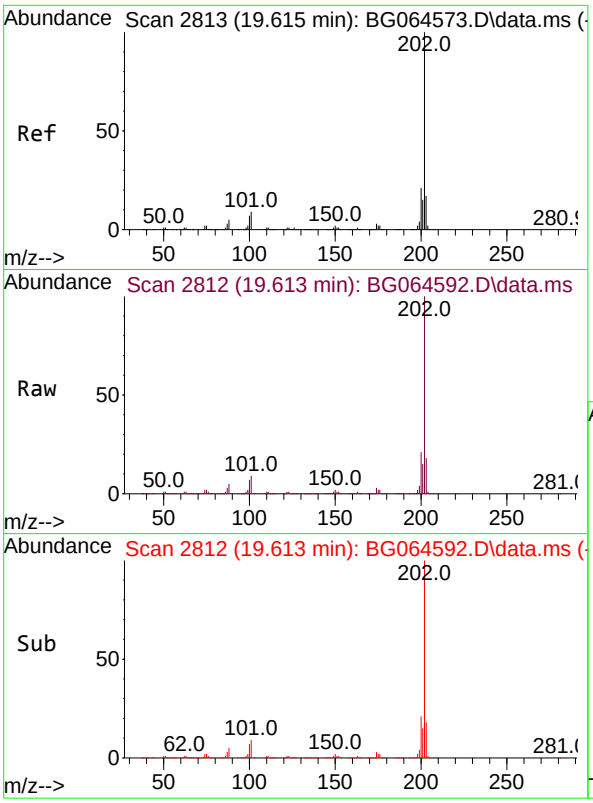


#74
Di-n-butylphthalate
Concen: 48.195 ng
RT: 18.532 min Scan# 2628
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:149 Resp: 779939

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	5.4	4.1	6.1

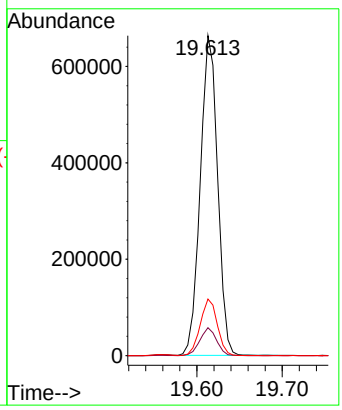




#75
Fluoranthene
Concen: 47.869 ng
RT: 19.613 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:202 Resp: 93558

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.7	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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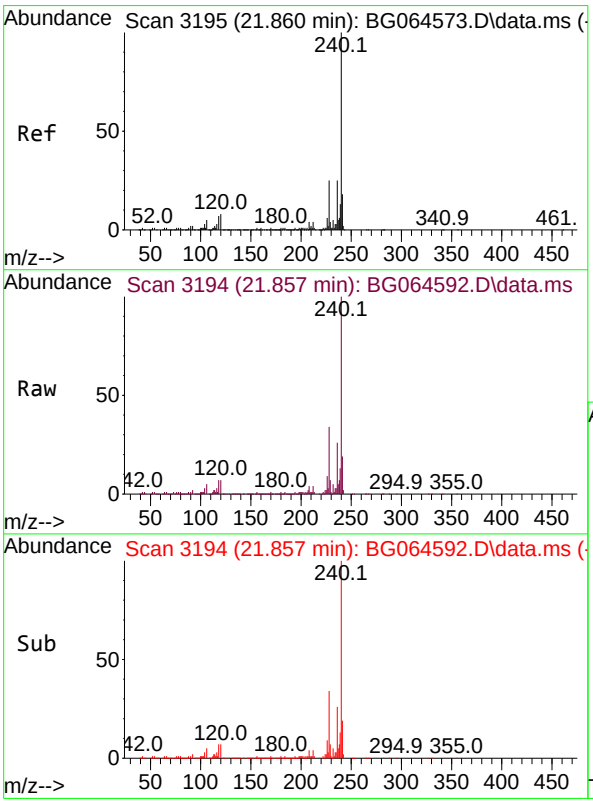
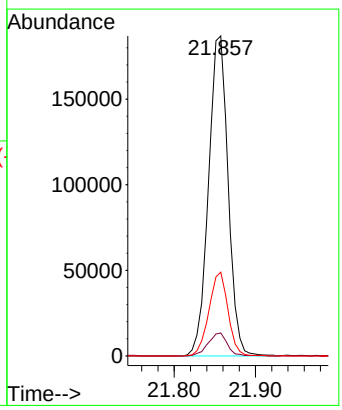
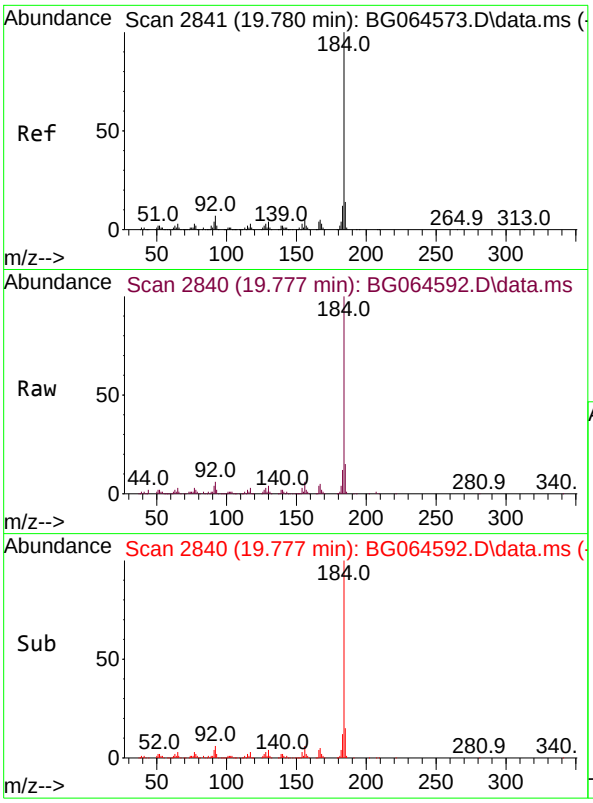


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.857 min Scan# 3194
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:240 Resp: 313384

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.5	9.7
236	26.2	20.2	30.2

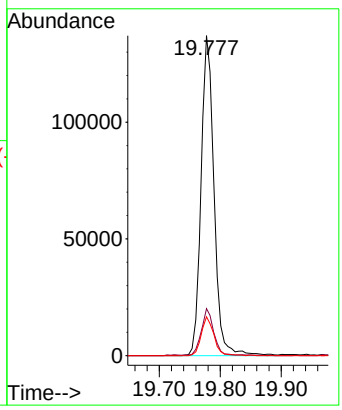




#77
Benzidine
Concen: 28.809 ng
RT: 19.777 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:184 Resp: 20227

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	12.1	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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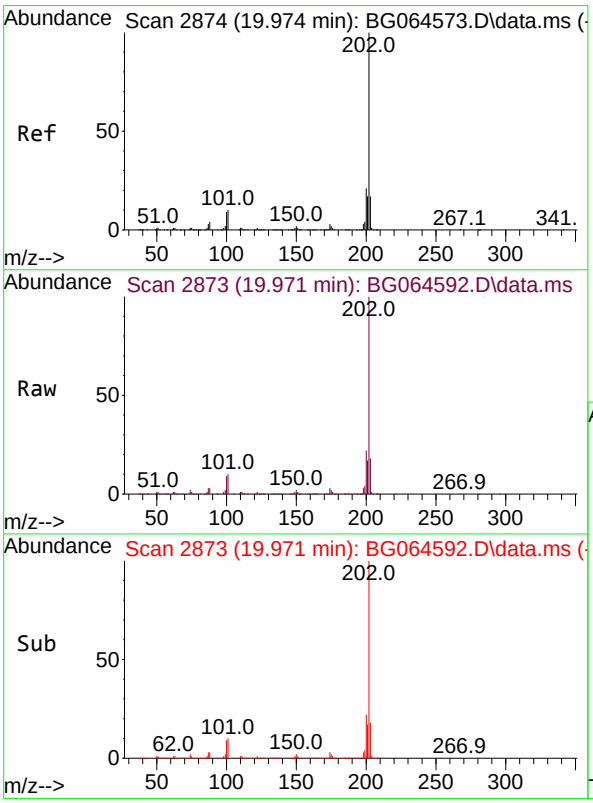
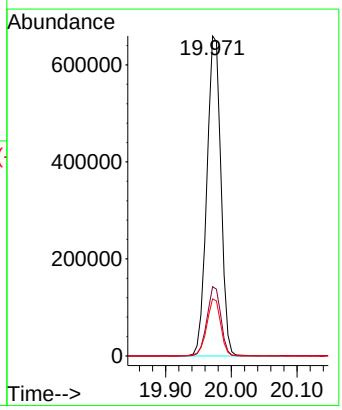
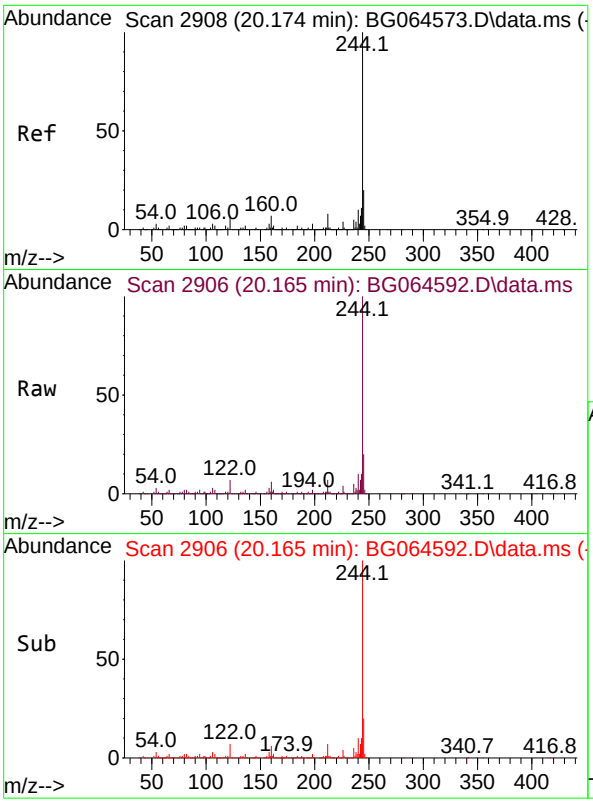


#78
Pyrene
Concen: 47.782 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:202 Resp: 978323

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.8	13.8	20.6





#79
Terphenyl-d14
Concen: 60.807 ng
RT: 20.165 min Scan# 29
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:244 Resp: 100976

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	7.2	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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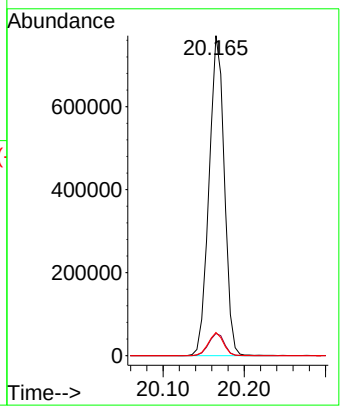
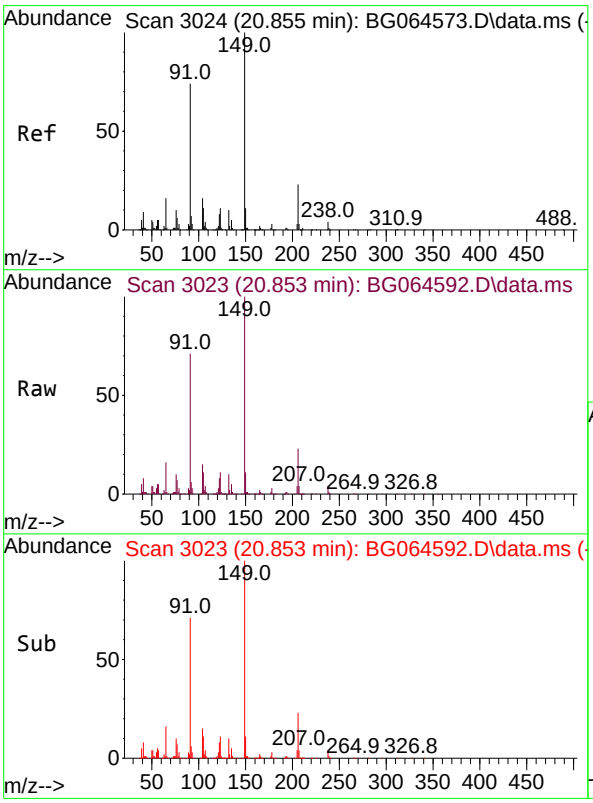
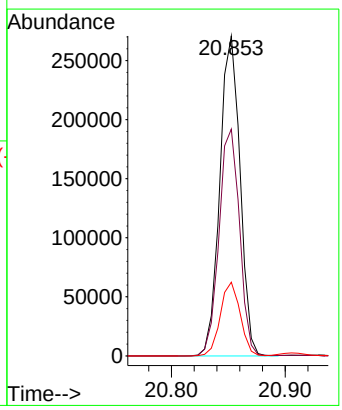


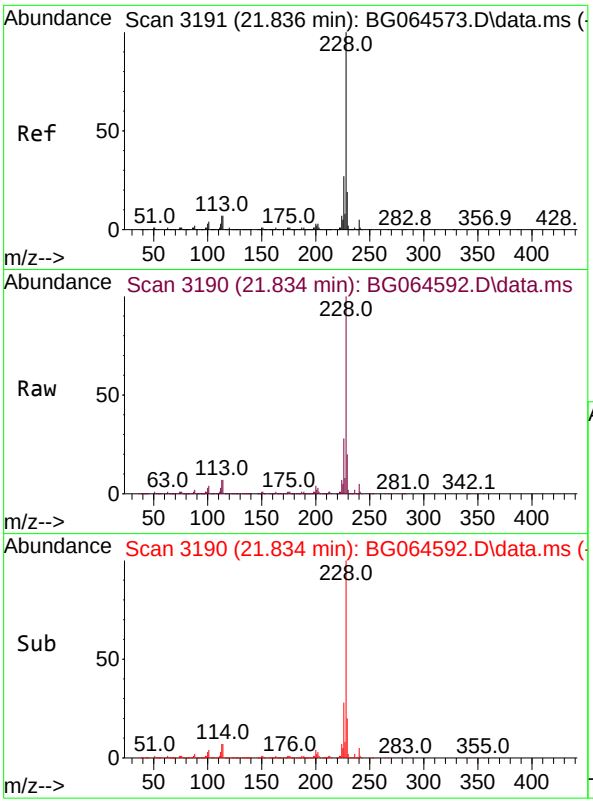


#80
Butylbenzylphthalate
Concen: 54.045 ng
RT: 20.853 min Scan# 3023
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:149 Resp: 334443

Ion	Ratio	Lower	Upper
149	100		
91	70.9	59.2	88.8
206	23.0	18.1	27.1

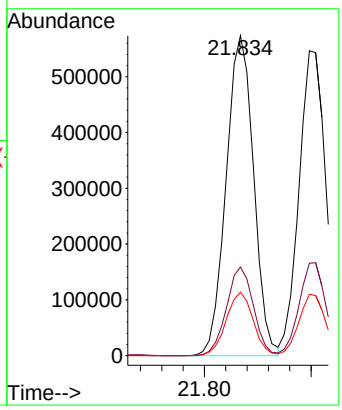




#81
Benzo(a)anthracene
Concen: 49.406 ng
RT: 21.834 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:228 Resp: 102660

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.9	32.9
229	19.8	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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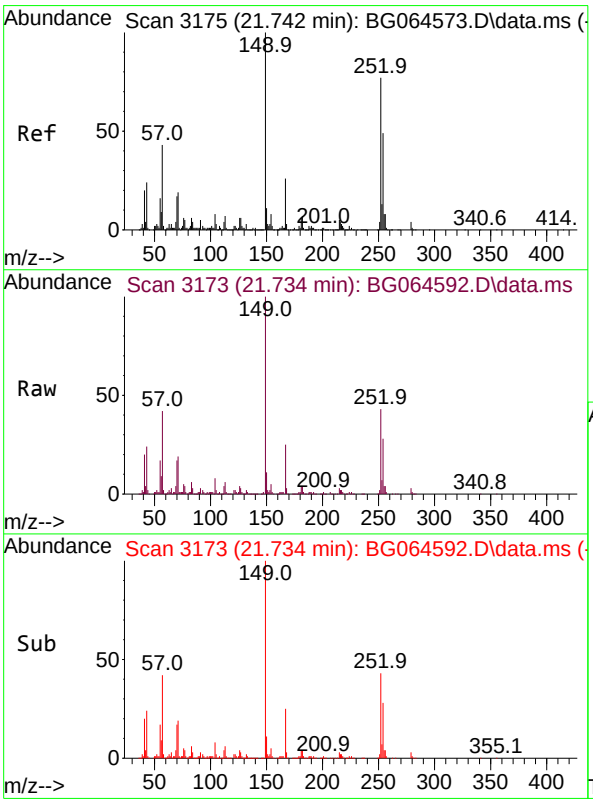
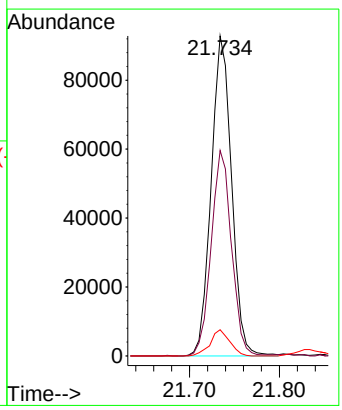
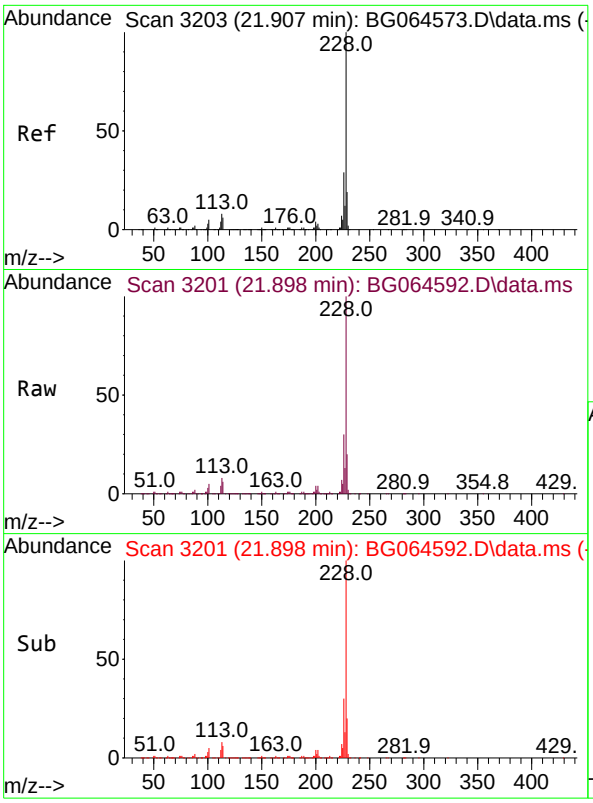


#82
3,3'-Dichlorobenzidine
Concen: 21.161 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:252 Resp: 146831

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.8	76.2
126	8.2	5.8	8.6





#83
Chrysene
Concen: 48.313 ng
RT: 21.898 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:228 Resp: 95522

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.3	34.9
229	20.1	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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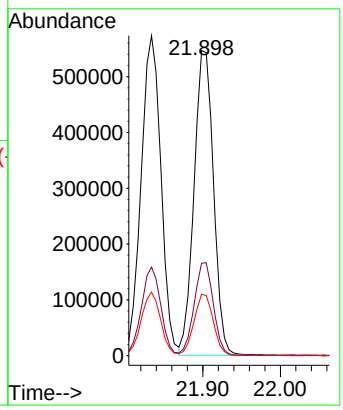
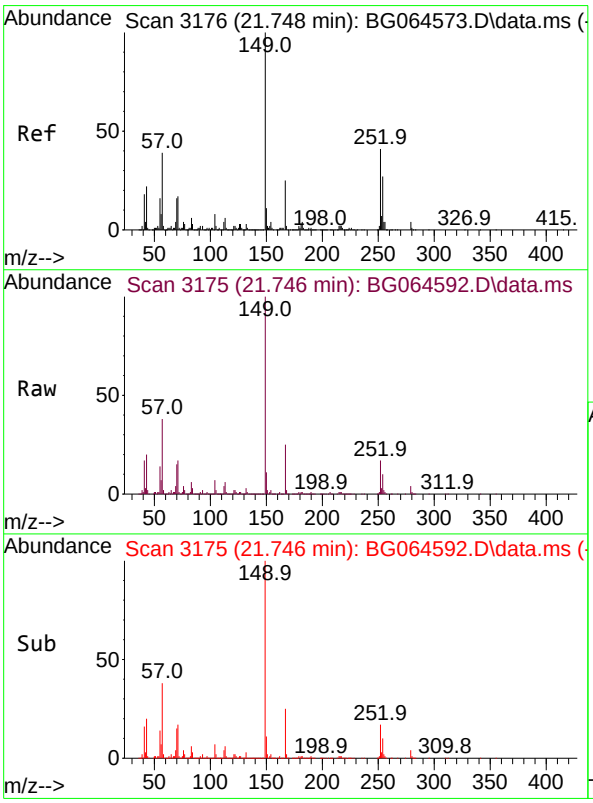
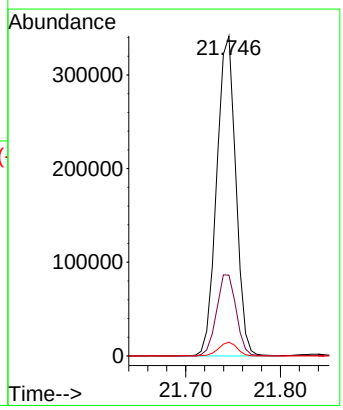


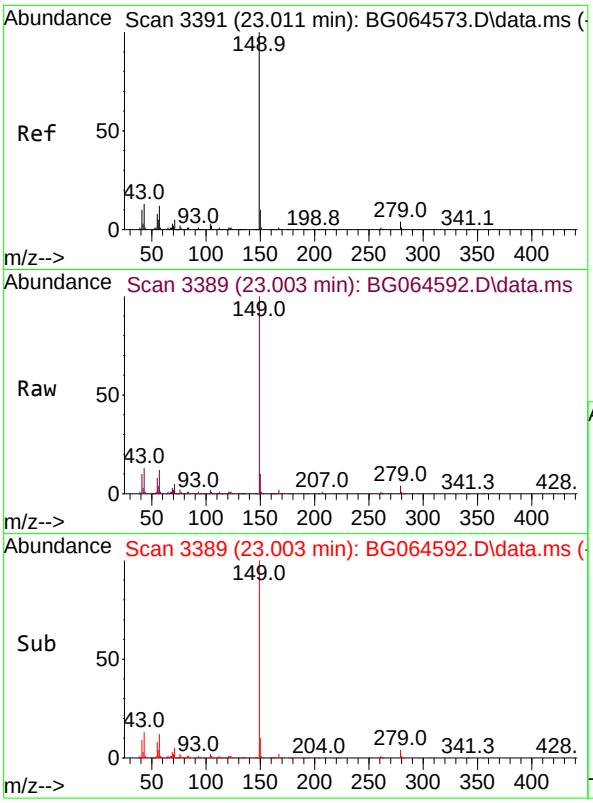


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.632 ng
RT: 21.746 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:149 Resp: 477424

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.0	30.0
279	4.3	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 52.528 ng
RT: 23.003 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:149 Resp: 81890

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.8	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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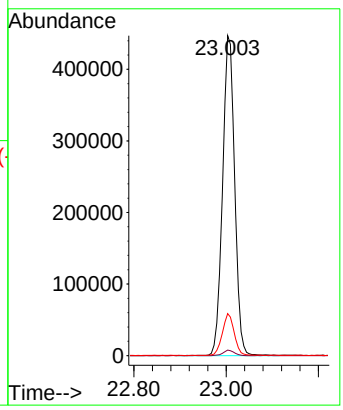
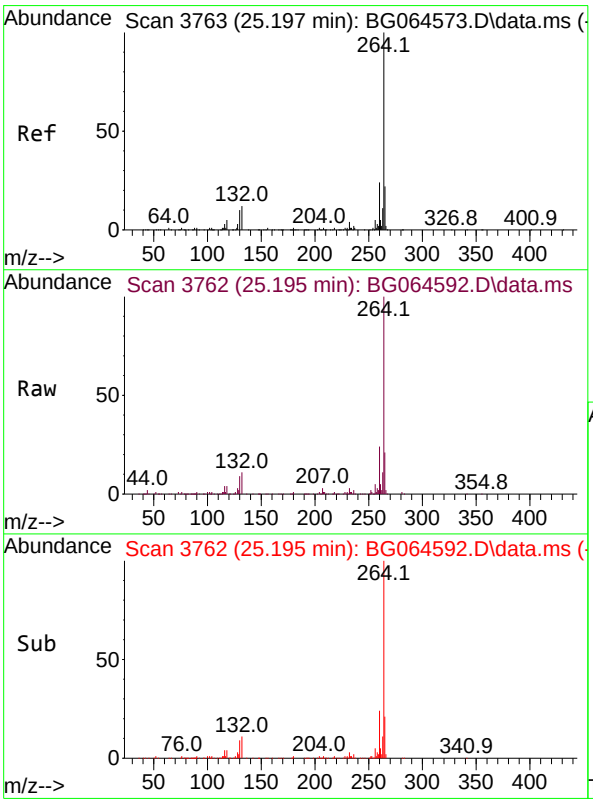
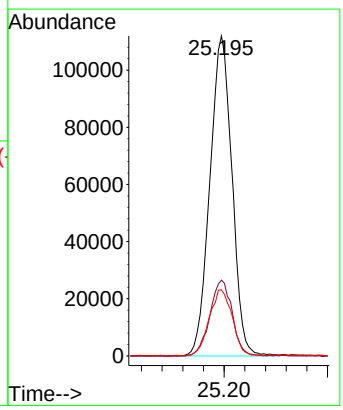


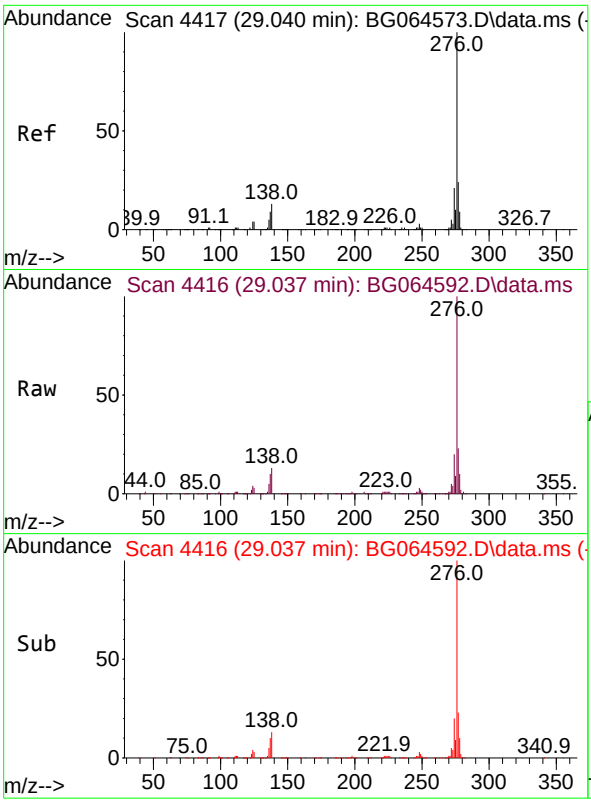


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 3762
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:264 Resp: 333950

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	20.6	17.6	26.4

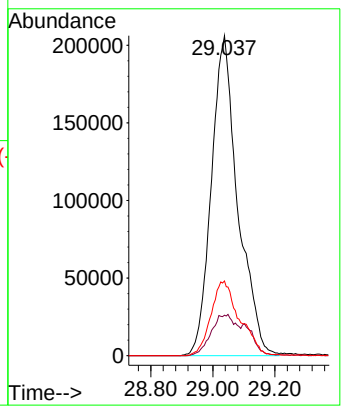




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.740 ng
RT: 29.037 min Scan# 44
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:276 Resp: 122193

Ion	Ratio	Lower	Upper
276	100		
138	6.0	10.8	16.2#
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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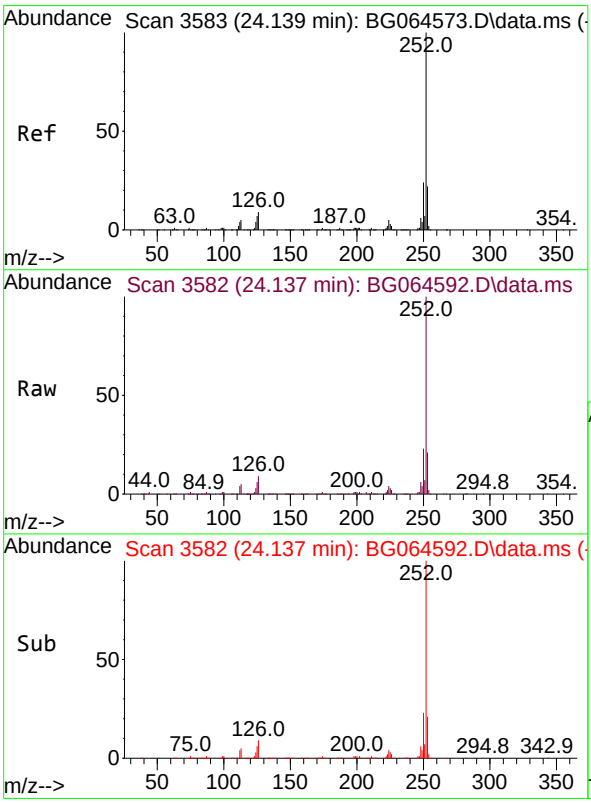
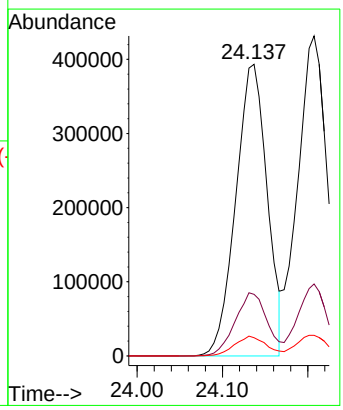
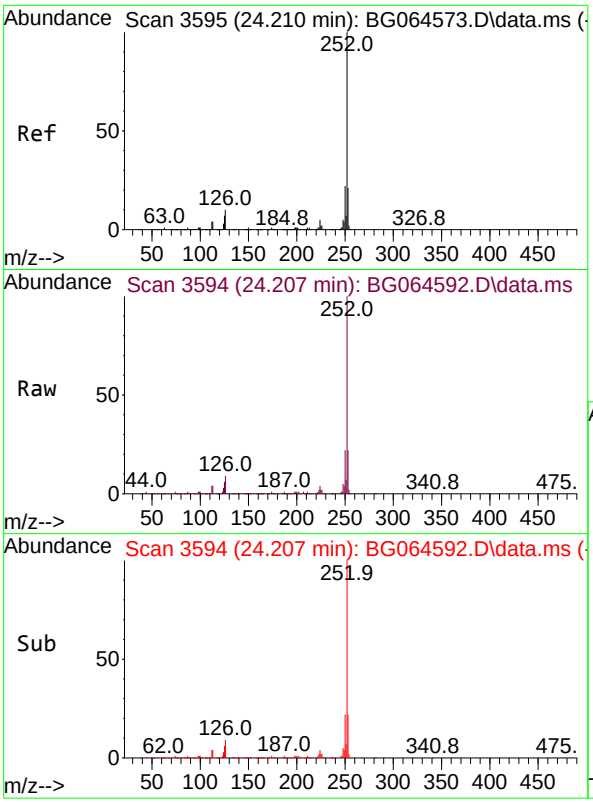


#88
Benzo(b)fluoranthene
Concen: 49.025 ng
RT: 24.137 min Scan# 3582
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:252 Resp: 1003921

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.8
125	6.2	5.6	8.4

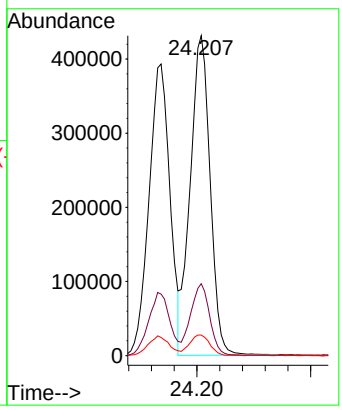




#89
Benzo(k)fluoranthene
Concen: 51.159 ng
RT: 24.207 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:252 Resp: 104833

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	6.4	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

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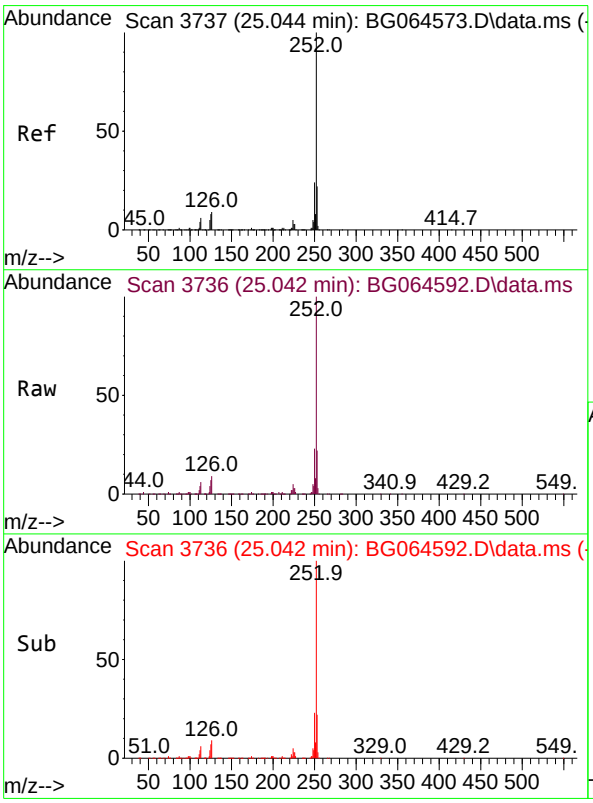
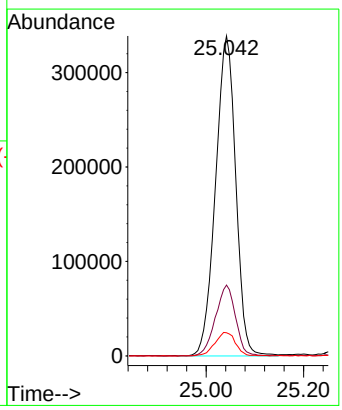
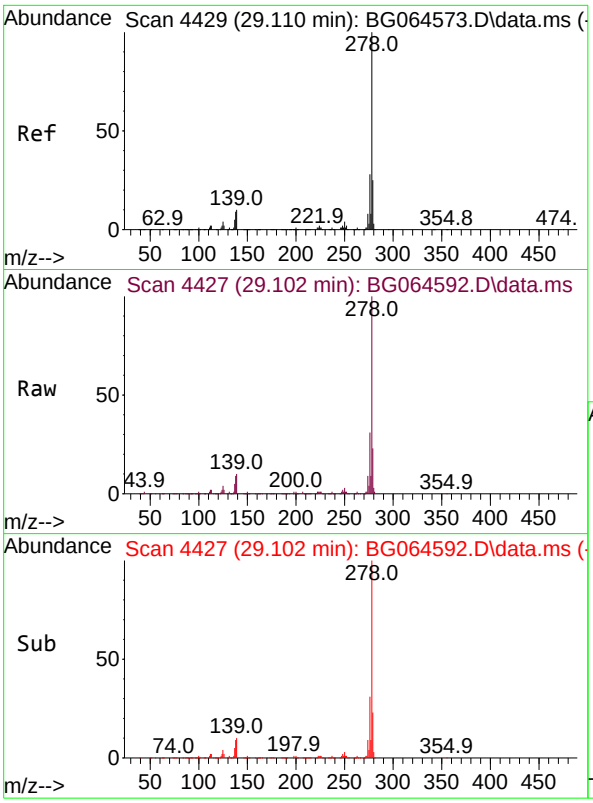


#90
Benzo(a)pyrene
Concen: 51.699 ng
RT: 25.042 min Scan# 3736
Delta R.T. -0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:252 Resp: 973157

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	7.2	6.1	9.1

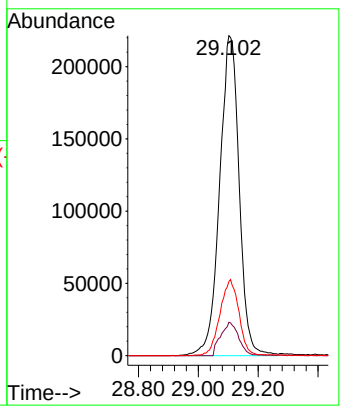




#91
Dibenzo(a,h)anthracene
Concen: 50.482 ng
RT: 29.102 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:278 Resp: 100753

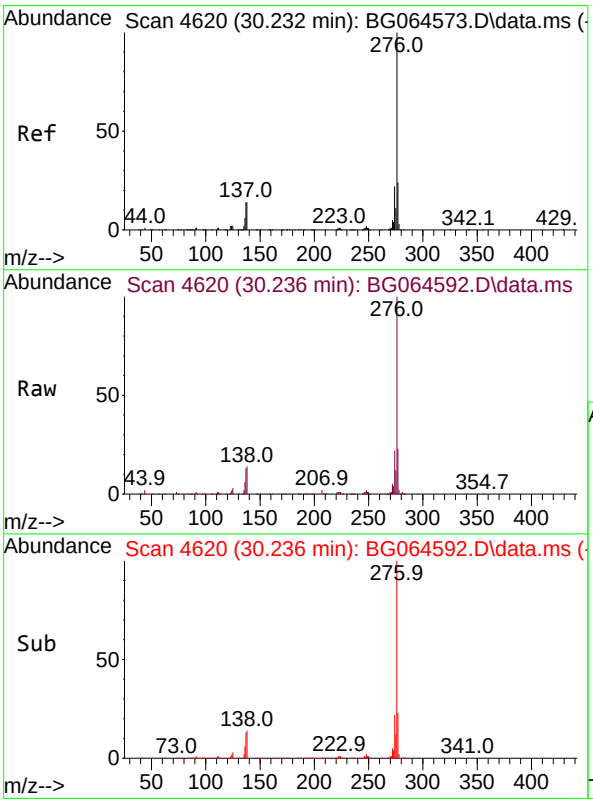
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
TP-10MSD

Manual Integrations
APPROVED

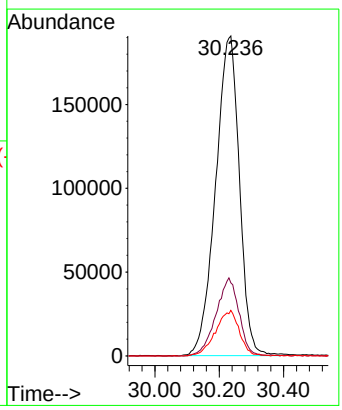
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 51.308 ng
RT: 30.236 min Scan# 4620
Delta R.T. 0.003 min
Lab File: BG064592.D
Acq: 27 Oct 2025 18:06

Tgt Ion:276 Resp: 978222

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.1	28.7
138	14.2	11.3	16.9



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Manual Integration Report

Sequence:	BF102425	Instrument	BNA_f

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:	BF102725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3447-07	BF144095.D	2,6-Dinitrotoluene	rahul	10/28/2025 11:50:09 AM	mohammad	10/30/2025 8:49:59 AM	Peak Integrated by Software
Q3447-07	BF144095.D	Anthracene	rahul	10/28/2025 11:50:09 AM	mohammad	10/30/2025 8:49:59 AM	Peak Integrated by Software
Q3447-07	BF144095.D	Benzo(b)fluoranthene	rahul	10/28/2025 11:50:09 AM	mohammad	10/30/2025 8:49:59 AM	Peak Integrated by Software
Q3447-07	BF144095.D	Benzo(k)fluoranthene	rahul	10/28/2025 11:50:09 AM	mohammad	10/30/2025 8:49:59 AM	Peak Integrated by Software
Q3447-07	BF144095.D	Pyrene	rahul	10/28/2025 11:50:09 AM	mohammad	10/30/2025 8:49:59 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102825	Instrument	BNA_f

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:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	Jagrut	11/4/2025 3:47:57 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	Jagrut	11/4/2025 3:48:00 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG102725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170246BS	BG064588.D	Caprolactam	rahul	10/28/2025 11:51:07 AM	mohammad	11/5/2025 12:11:21 AM	Peak Integrated by Software
Q3439-05MS	BG064591.D	Caprolactam	rahul	10/28/2025 11:51:10 AM	mohammad	11/5/2025 12:11:21 AM	Peak Integrated by Software
Q3439-05MSD	BG064592.D	Caprolactam	rahul	10/28/2025 11:51:13 AM	mohammad	11/5/2025 12:11:21 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144055.D	24 Oct 2025 09:45	RC/JU	Ok
2	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13	RC/JU	Ok
3	SSTDICC005	BF144057.D	24 Oct 2025 10:42	RC/JU	Ok
4	SSTDICC010	BF144058.D	24 Oct 2025 11:39	RC/JU	Ok
5	SSTDICC020	BF144059.D	24 Oct 2025 12:36	RC/JU	Ok
6	SSTDICCC040	BF144060.D	24 Oct 2025 13:05	RC/JU	Ok
7	SSTDICC050	BF144061.D	24 Oct 2025 13:34	RC/JU	Ok
8	SSTDICC060	BF144062.D	24 Oct 2025 14:03	RC/JU	Not Ok
9	SSTDICC080	BF144063.D	24 Oct 2025 14:32	RC/JU	Ok
10	SSTDICC060	BF144064.D	24 Oct 2025 16:24	RC/JU	Ok
11	SSTDICV040	BF144065.D	24 Oct 2025 17:22	RC/JU	Ok
12	PB170222BL	BF144066.D	24 Oct 2025 17:51	RC/JU	Ok
13	Q3431-01	BF144067.D	24 Oct 2025 18:20	RC/JU	Ok,M
14	Q3431-01DL	BF144068.D	24 Oct 2025 18:48	RC/JU	Not Ok
15	Q3405-01	BF144069.D	24 Oct 2025 19:17	RC/JU	Ok
16	Q3406-01	BF144070.D	24 Oct 2025 19:46	RC/JU	Ok
17	Q3412-01	BF144071.D	24 Oct 2025 20:15	RC/JU	Dilution
18	Q3445-01	BF144072.D	24 Oct 2025 20:44	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102725

Review By	rahul	Review On	10/28/2025 11:50:33 AM				
Supervise By	mohammad	Supervise On	10/30/2025 8:49:59 AM				
SubDirectory	BF102725	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144073.D	27 Oct 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BF144074.D	27 Oct 2025 10:27	RC/JU	Ok
3	PB170206BL	BF144075.D	27 Oct 2025 10:57	RC/JU	Ok
4	PB170206BS	BF144076.D	27 Oct 2025 11:27	RC/JU	Ok,M
5	PB170210BS	BF144077.D	27 Oct 2025 11:56	RC/JU	Ok,M
6	PB170210BL	BF144078.D	27 Oct 2025 12:26	RC/JU	Ok
7	Q3385-04	BF144079.D	27 Oct 2025 13:04	RC/JU	Ok
8	Q3385-05MS	BF144080.D	27 Oct 2025 13:34	RC/JU	Ok
9	Q3385-06MSD	BF144081.D	27 Oct 2025 14:04	RC/JU	Ok
10	Q3404-01	BF144082.D	27 Oct 2025 14:34	RC/JU	Ok,M
11	Q3412-04	BF144083.D	27 Oct 2025 15:03	RC/JU	Ok
12	Q3449-06	BF144084.D	27 Oct 2025 15:33	RC/JU	Ok
13	Q3416-01	BF144085.D	27 Oct 2025 16:03	RC/JU	Ok,M
14	Q3395-02	BF144086.D	27 Oct 2025 16:33	RC/JU	Ok
15	Q3395-03MS	BF144087.D	27 Oct 2025 17:03	RC/JU	Ok,M
16	Q3395-04MSD	BF144088.D	27 Oct 2025 17:33	RC/JU	Ok,M
17	Q3412-01DL	BF144089.D	27 Oct 2025 18:03	RC/JU	Ok,M
18	Q3447-03	BF144090.D	27 Oct 2025 18:32	RC/JU	Ok
19	Q3447-05	BF144091.D	27 Oct 2025 19:02	RC/JU	Ok
20	Q3449-01	BF144092.D	27 Oct 2025 19:32	RC/JU	Ok,M
21	Q3440-01	BF144093.D	27 Oct 2025 20:02	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102725

Review By	rahul	Review On	10/28/2025 11:50:33 AM				
Supervise By	mohammad	Supervise On	10/30/2025 8:49:59 AM				
SubDirectory	BF102725	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3447-01	BF144094.D	27 Oct 2025 20:32	RC/JU	Dilution
23	Q3447-07	BF144095.D	27 Oct 2025 21:02	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102825

Review By	rahul	Review On	10/28/2025 3:29:21 PM				
Supervise By	Jagrut	Supervise On	10/29/2025 3:24:40 PM				
SubDirectory	BF102825	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144096.D	28 Oct 2025 12:48	RC/JU	Ok
2	SSTDCCC040	BF144097.D	28 Oct 2025 13:17	RC/JU	Ok
3	PB170267BL	BF144098.D	28 Oct 2025 13:47	RC/JU	Ok
4	PB170267BS	BF144099.D	28 Oct 2025 14:16	RC/JU	Ok,M
5	PB170202TB	BF144100.D	28 Oct 2025 14:46	RC/JU	Not Ok
6	Q3424-01	BF144101.D	28 Oct 2025 15:16	RC/JU	Ok
7	Q3424-02	BF144102.D	28 Oct 2025 15:45	RC/JU	Ok
8	Q3424-03	BF144103.D	28 Oct 2025 16:15	RC/JU	Ok
9	Q3395-01	BF144104.D	28 Oct 2025 16:44	RC/JU	Ok
10	Q3419-04	BF144105.D	28 Oct 2025 17:14	RC/JU	ReRun
11	Q3434-01	BF144106.D	28 Oct 2025 17:44	RC/JU	Ok
12	Q3460-09	BF144107.D	28 Oct 2025 18:14	RC/JU	Ok
13	Q3439-08	BF144108.D	28 Oct 2025 18:44	RC/JU	Ok
14	Q3440-04	BF144109.D	28 Oct 2025 19:13	RC/JU	Ok
15	Q3460-04	BF144110.D	28 Oct 2025 19:43	RC/JU	Ok
16	Q3460-08	BF144111.D	28 Oct 2025 20:13	RC/JU	Ok
17	Q3460-12	BF144112.D	28 Oct 2025 20:43	RC/JU	Ok
18	Q3427-04	BF144113.D	28 Oct 2025 21:12	RC/JU	Ok
19	Q3439-04	BF144114.D	28 Oct 2025 21:42	RC/JU	Ok
20	Q3395-06	BF144115.D	28 Oct 2025 22:11	RC/JU	Ok
21	Q3447-01DL	BF144116.D	28 Oct 2025 22:40	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102825

Review By	rahul	Review On	10/28/2025 3:29:21 PM				
Supervise By	Jagrut	Supervise On	10/29/2025 3:24:40 PM				
SubDirectory	BF102825	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3395-05	BF144117.D	28 Oct 2025 23:10	RC/JU	Ok
23	Q3451-08	BF144118.D	28 Oct 2025 23:39	RC/JU	Ok
24	Q3447-06	BF144119.D	29 Oct 2025 00:09	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM				
SubDirectory	BG102425	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

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 # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:21 AM				
SubDirectory	BG102725	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064582.D	27 Oct 2025 11:16	RC/JU	Ok
2	SSTDCCC040	BG064583.D	27 Oct 2025 11:57	RC/JU	Ok
3	PB170222BL	BG064584.D	27 Oct 2025 12:38	RC/JU	Ok
4	PB170222BS	BG064585.D	27 Oct 2025 13:19	RC/JU	Ok,M
5	PB170222BSD	BG064586.D	27 Oct 2025 14:00	RC/JU	Ok,M
6	PB170246BL	BG064587.D	27 Oct 2025 14:41	RC/JU	Ok
7	PB170246BS	BG064588.D	27 Oct 2025 15:22	RC/JU	Ok,M
8	Q3439-01	BG064589.D	27 Oct 2025 16:03	RC/JU	Ok
9	Q3439-05	BG064590.D	27 Oct 2025 16:44	RC/JU	Ok
10	Q3439-05MS	BG064591.D	27 Oct 2025 17:25	RC/JU	Ok,M
11	Q3439-05MSD	BG064592.D	27 Oct 2025 18:06	RC/JU	Ok,M
12	Q3400-01	BG064593.D	27 Oct 2025 18:47	RC/JU	Ok
13	Q3451-01	BG064594.D	27 Oct 2025 19:28	RC/JU	Ok
14	Q3451-01MS	BG064595.D	27 Oct 2025 20:09	RC/JU	Ok,M
15	Q3451-01MSD	BG064596.D	27 Oct 2025 20:50	RC/JU	Ok,M
16	Q3422-01	BG064597.D	27 Oct 2025 21:31	RC/JU	Ok
17	SSTDCCC040	BG064598.D	27 Oct 2025 22:11	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144055.D	24 Oct 2025 09:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144057.D	24 Oct 2025 10:42		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF144058.D	24 Oct 2025 11:39		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144059.D	24 Oct 2025 12:36		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144060.D	24 Oct 2025 13:05		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144061.D	24 Oct 2025 13:34		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144062.D	24 Oct 2025 14:03	Not Used	RC/JU	Not Ok
9	SSTDICC080	SSTDICC080	BF144063.D	24 Oct 2025 14:32		RC/JU	Ok
10	SSTDICC060	SSTDICC060	BF144064.D	24 Oct 2025 16:24		RC/JU	Ok
11	SSTDICV040	ICVBF102425	BF144065.D	24 Oct 2025 17:22		RC/JU	Ok
12	PB170222BL	PB170222BL	BF144066.D	24 Oct 2025 17:51		RC/JU	Ok
13	Q3431-01	EO-02-10222025	BF144067.D	24 Oct 2025 18:20		RC/JU	Ok,M
14	Q3431-01DL	EO-02-10222025DL	BF144068.D	24 Oct 2025 18:48	Not Required	RC/JU	Not Ok
15	Q3405-01	PAD-10-20-25-A	BF144069.D	24 Oct 2025 19:17		RC/JU	Ok
16	Q3406-01	ARS20-0037	BF144070.D	24 Oct 2025 19:46		RC/JU	Ok
17	Q3412-01	TP-6	BF144071.D	24 Oct 2025 20:15	Need 5X Dilution	RC/JU	Dilution
18	Q3445-01	EO-01-102325	BF144072.D	24 Oct 2025 20:44		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102725

Review By	rahul	Review On	10/28/2025 11:50:33 AM		
Supervise By	mohammad	Supervise On	10/30/2025 8:49:59 AM		
SubDirectory	BF102725	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144073.D	27 Oct 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144074.D	27 Oct 2025 10:27		RC/JU	Ok
3	PB170206BL	PB170206BL	BF144075.D	27 Oct 2025 10:57		RC/JU	Ok
4	PB170206BS	PB170206BS	BF144076.D	27 Oct 2025 11:27		RC/JU	Ok,M
5	PB170210BS	PB170210BS	BF144077.D	27 Oct 2025 11:56		RC/JU	Ok,M
6	PB170210BL	PB170210BL	BF144078.D	27 Oct 2025 12:26		RC/JU	Ok
7	Q3385-04	EFF-WW	BF144079.D	27 Oct 2025 13:04	Surrogates Failed. - Confirmed by MS / MSD.	RC/JU	Ok
8	Q3385-05MS	EFF-WWMS	BF144080.D	27 Oct 2025 13:34	Surrogates Failed.	RC/JU	Ok
9	Q3385-06MSD	EFF-WWMSD	BF144081.D	27 Oct 2025 14:04	Surrogates Failed.	RC/JU	Ok
10	Q3404-01	MOO-25-0285-0288	BF144082.D	27 Oct 2025 14:34		RC/JU	Ok,M
11	Q3412-04	TP-6	BF144083.D	27 Oct 2025 15:03		RC/JU	Ok
12	Q3449-06	CF-620-COMP-41	BF144084.D	27 Oct 2025 15:33		RC/JU	Ok
13	Q3416-01	NB-08-10212025	BF144085.D	27 Oct 2025 16:03		RC/JU	Ok,M
14	Q3395-02	PR132-S07-000102-22	BF144086.D	27 Oct 2025 16:33		RC/JU	Ok
15	Q3395-03MS	PR132-S07-000102-22	BF144087.D	27 Oct 2025 17:03		RC/JU	Ok,M
16	Q3395-04MSD	PR132-S07-000102-22	BF144088.D	27 Oct 2025 17:33		RC/JU	Ok,M
17	Q3412-01DL	TP-6DL	BF144089.D	27 Oct 2025 18:03		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102725

Review By	rahul	Review On	10/28/2025 11:50:33 AM		
Supervise By	mohammad	Supervise On	10/30/2025 8:49:59 AM		
SubDirectory	BF102725	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3447-03	P001-TW2-251023-01	BF144090.D	27 Oct 2025 18:32		RC/JU	Ok
19	Q3447-05	P001-TW3-251023-01	BF144091.D	27 Oct 2025 19:02		RC/JU	Ok
20	Q3449-01	CF-620-COMP-41	BF144092.D	27 Oct 2025 19:32		RC/JU	Ok,M
21	Q3440-01	JB-2	BF144093.D	27 Oct 2025 20:02		RC/JU	Ok,M
22	Q3447-01	P001-TW1-251023-01	BF144094.D	27 Oct 2025 20:32	Need further 2X Dilution	RC/JU	Dilution
23	Q3447-07	P001-TW4-251023-01	BF144095.D	27 Oct 2025 21:02		RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102825

Review By	rahul	Review On	10/28/2025 3:29:21 PM		
Supervise By	Jagrut	Supervise On	10/29/2025 3:24:40 PM		
SubDirectory	BF102825	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144096.D	28 Oct 2025 12:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144097.D	28 Oct 2025 13:17		RC/JU	Ok
3	PB170267BL	PB170267BL	BF144098.D	28 Oct 2025 13:47		RC/JU	Ok
4	PB170267BS	PB170267BS	BF144099.D	28 Oct 2025 14:16		RC/JU	Ok,M
5	PB170202TB	PB170202TB	BF144100.D	28 Oct 2025 14:46	Internal standard fail	RC/JU	Not Ok
6	Q3424-01	PR132-DP3-20251021	BF144101.D	28 Oct 2025 15:16		RC/JU	Ok
7	Q3424-02	PR132-S11-010080-20	BF144102.D	28 Oct 2025 15:45		RC/JU	Ok
8	Q3424-03	PR132-S14-000094-20	BF144103.D	28 Oct 2025 16:15		RC/JU	Ok
9	Q3395-01	PR132-S09-000051-20	BF144104.D	28 Oct 2025 16:44		RC/JU	Ok
10	Q3419-04	PR132-S16-119133-20	BF144105.D	28 Oct 2025 17:14	Hit for pyrene & it is biased high in the CCC.	RC/JU	ReRun
11	Q3434-01	PR132-WC1-20251022	BF144106.D	28 Oct 2025 17:44	Hit for pyrene below CRQL	RC/JU	Ok
12	Q3460-09	WC-3	BF144107.D	28 Oct 2025 18:14		RC/JU	Ok
13	Q3439-08	TP-10	BF144108.D	28 Oct 2025 18:44		RC/JU	Ok
14	Q3440-04	JB-2	BF144109.D	28 Oct 2025 19:13		RC/JU	Ok
15	Q3460-04	WC-1	BF144110.D	28 Oct 2025 19:43		RC/JU	Ok
16	Q3460-08	WC-2	BF144111.D	28 Oct 2025 20:13		RC/JU	Ok
17	Q3460-12	WC-3	BF144112.D	28 Oct 2025 20:43		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102825

Review By	rahul	Review On	10/28/2025 3:29:21 PM		
Supervise By	Jagrut	Supervise On	10/29/2025 3:24:40 PM		
SubDirectory	BF102825	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3427-04	TP-8	BF144113.D	28 Oct 2025 21:12		RC/JU	Ok
19	Q3439-04	TP-9	BF144114.D	28 Oct 2025 21:42		RC/JU	Ok
20	Q3395-06	PR132-COMP03-2025-	BF144115.D	28 Oct 2025 22:11		RC/JU	Ok
21	Q3447-01DL	P001-TW1-251023-01D	BF144116.D	28 Oct 2025 22:40		RC/JU	Ok
22	Q3395-05	PR132-S07-102116-20	BF144117.D	28 Oct 2025 23:10		RC/JU	Ok
23	Q3451-08	TP-12	BF144118.D	28 Oct 2025 23:39		RC/JU	Ok
24	Q3447-06	P001-TW3-251023-01	BF144119.D	29 Oct 2025 00:09		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23	Compound #32 kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

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 # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:21 AM		
SubDirectory	BG102725	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064582.D	27 Oct 2025 11:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064583.D	27 Oct 2025 11:57		RC/JU	Ok
3	PB170222BL	PB170222BL	BG064584.D	27 Oct 2025 12:38		RC/JU	Ok
4	PB170222BS	PB170222BS	BG064585.D	27 Oct 2025 13:19		RC/JU	Ok,M
5	PB170222BSD	PB170222BSD	BG064586.D	27 Oct 2025 14:00		RC/JU	Ok,M
6	PB170246BL	PB170246BL	BG064587.D	27 Oct 2025 14:41		RC/JU	Ok
7	PB170246BS	PB170246BS	BG064588.D	27 Oct 2025 15:22		RC/JU	Ok,M
8	Q3439-01	TP-9	BG064589.D	27 Oct 2025 16:03		RC/JU	Ok
9	Q3439-05	TP-10	BG064590.D	27 Oct 2025 16:44		RC/JU	Ok
10	Q3439-05MS	TP-10MS	BG064591.D	27 Oct 2025 17:25		RC/JU	Ok,M
11	Q3439-05MSD	TP-10MSD	BG064592.D	27 Oct 2025 18:06		RC/JU	Ok,M
12	Q3400-01	FRAC-TANK-0760450	BG064593.D	27 Oct 2025 18:47	Analyzed again as DOD sample, Double Internal standard added	RC/JU	Ok
13	Q3451-01	TP-11	BG064594.D	27 Oct 2025 19:28		RC/JU	Ok
14	Q3451-01MS	TP-11MS	BG064595.D	27 Oct 2025 20:09		RC/JU	Ok,M
15	Q3451-01MSD	TP-11MSD	BG064596.D	27 Oct 2025 20:50		RC/JU	Ok,M
16	Q3422-01	PR132-S15-000008-20	BG064597.D	27 Oct 2025 21:31		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BG064598.D	27 Oct 2025 22:11		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137624

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3399-03	COMP-ROLLOFF	15	1.15	10.96	12.11	11.00	89.9	
Q3437-03	SS-15R(2.0-2.5)	1	1.18	10.46	11.64	10.32	87.4	
Q3437-05	SS-26(0-0.5)	2	1.16	10.19	11.35	10.17	88.4	
Q3437-11	SS-27(0-0.5)	3	1.17	10.34	11.51	10.85	93.6	
Q3437-14	SS-25(0-0.5)	4	1.11	10.33	11.44	10.34	89.4	
Q3437-16	SS-23(0-0.5)	5	1.13	10.84	11.97	11.26	93.5	
Q3439-01	TP-9	6	1.18	10.29	11.47	10.55	91.1	
Q3439-02	TP-9-EPH	7	1.19	10.61	11.8	10.87	91.2	
Q3439-03	TP-9-VOC	8	1.18	10.14	11.32	10.41	91.0	
Q3439-05	TP-10	9	1.15	10.60	11.75	10.82	91.2	
Q3439-06	TP-10-EPH	10	1.19	10.17	11.36	10.44	91.0	
Q3439-07	TP-10-VOC	11	1.18	10.31	11.49	10.37	89.1	
Q3440-01	JB-2	12	1.13	11.32	12.45	10.38	81.7	
Q3440-02	JB-2-EPH	13	1.17	10.42	11.59	9.79	82.7	
Q3440-03	JB-2-VOC	14	1.13	8.36	9.49	8.14	83.9	
Q3445-01	EO-01-102325	16	1.14	10.46	11.6	10.74	91.8	
Q3445-02	EO-01-102325-E2	17	1.16	10.40	11.56	10.57	90.5	
Q3446-01	SB-14	18	1.11	10.00	11.11	10.82	97.1	
Q3446-02	SB-15	19	1.14	10.54	11.68	11.64	99.6	
Q3446-03	SB-16	20	1.19	10.31	11.5	11.44	99.4	
Q3446-04	SB-17	21	1.19	10.13	11.32	11.27	99.5	
Q3446-05	SB-18	22	1.19	10.53	11.72	11.67	99.5	
Q3446-06	SB-19	23	1.15	10.44	11.59	11.32	97.4	
Q3446-07	SB-20	24	1.16	10.50	11.66	11.6	99.4	
Q3446-08	SB-21	25	1.14	10.08	11.22	10.9	96.8	
Q3447-01	P001-TW1-251023-01	26	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q3447-03	P001-TW2-251023-01	27	1.19	10.43	11.62	10.75	91.7	
Q3447-05	P001-TW3-251023-01	28	1.18	10.70	11.88	11.64	97.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137624

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3447-07	P001-TW4-251023-01	29	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VD 10/27/25

WorkList Name : %1-102325 **WorkList ID :** 192629 **Department :** Wet-Chemistry **Date :** 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-03	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3437-03	SS-15R(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-05	SS-26(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-11	SS-27(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-14	SS-25(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-16	SS-23(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3439-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3439-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3439-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-01	JB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3440-02	JB-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3440-03	JB-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3445-01	EO-01-102325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3445-02	EO-01-102325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3446-01	SB-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-02	SB-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-03	SB-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-04	SB-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00

Raw Sample Received by: [illegible] (WC)

Raw Sample Relinquished by: [illegible] (CSM)

Date/Time 10/23/25 17:30

Raw Sample Received by: [illegible] (CSM)

Raw Sample Relinquished by: [illegible] WC

WORKLIST(Hardcopy Internal Chain)

VB137624

WorkList Name : %1-102325 **WorkList ID :** 192629 **Department :** Wet-Chemistry **Date :** 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3446-05	SB-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-06	SB-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-07	SB-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-08	SB-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3447-01	P001-TW1-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-03	P001-TW2-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-05	P001-TW3-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-07	P001-TW4-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00

Raw Sample Received by: JA CWC

Raw Sample Relinquished by: CPCSM)

Date/Time 10/23/25 17:30

Raw Sample Received by: CPCSM)

Raw Sample Relinquished by: JA CWC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170246

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/24/2025

Extraction Start Time : 08:45

Extraction End Date : 10/24/2025

Extraction End Time : 12:00

Concentration By: EH

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
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443. Q3447 all samples used Limited volume as samples are oily & tar matrix.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/24/25	RS (Ext lab)	JY/SV 02
12:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170246

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/24/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170246BL	SBLK246	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U4-1
PB170246BS	SLCS246	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3439-01	TP-9	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		3
Q3439-05	TP-10	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q3439-05MS	TP-10MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		5
Q3439-05MSD	TP-10MSD	SVOC-TCL BNA -20	50.10	N/A	ritesh	Evelyn	1	E		6
Q3440-01	JB-2	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U6-1
Q3445-01	EO-01-102325	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		2
Q3447-01	P001-TW1-251023-01	SVOC-TCL BNA -20	1.02	N/A	ritesh	Evelyn	1	E	Oily Mat.	3
Q3447-03	P001-TW2-251023-01	SVOC-TCL BNA -20	1.06	N/A	ritesh	Evelyn	1	E	Oily Mat.	4
Q3447-05	P001-TW3-251023-01	SVOC-TCL BNA -20	1.04	N/A	ritesh	Evelyn	1	E	Tar Mat.	5
Q3447-07	P001-TW4-251023-01	SVOC-TCL BNA -20	1.01	N/A	ritesh	Evelyn	1	E	Tar Mat.	6

RS 10/24

*** Extracts relinquished on the same date as received.**

Q3447-SVOC-TCL BNA -20

10/24/25 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3440 **WorkList ID :** 192657 **Department :** Extraction **Date :** 10-24-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3439-01	TP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/22/2025	8270E
Q3439-05	TP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/23/2025	8270E
Q3440-01	JB-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/22/2025	8270E
Q3445-01	EO-01-102325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/23/2025	8270E
Q3447-01	P001-TW1-251023-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/23/2025	8270E
Q3447-03	P001-TW2-251023-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/23/2025	8270E
Q3447-05	P001-TW3-251023-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/23/2025	8270E
Q3447-07	P001-TW4-251023-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/23/2025	8270E

Date/Time 10/24/25 8:40
Raw Sample Received by: RJ (EXA-Lab)
Raw Sample Relinquished by:

Date/Time 10/24/25 9:05
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXA-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q3447

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170246,

Sequence ID/Qc Batch ID: BF102425,BF102725,BF102825,BG102725,

Standard ID :
EP2641,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3875,E3932,E3951,E3954,E3965,E3972,E3973,E3980,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13179,S13180,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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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	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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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	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [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

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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	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

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

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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	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

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

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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	S12903

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

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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	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

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

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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	S13118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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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	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	04/17/2026	10/17/2025 / rahul	06/02/2025 / anahy	S13179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

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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	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

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

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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	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

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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)

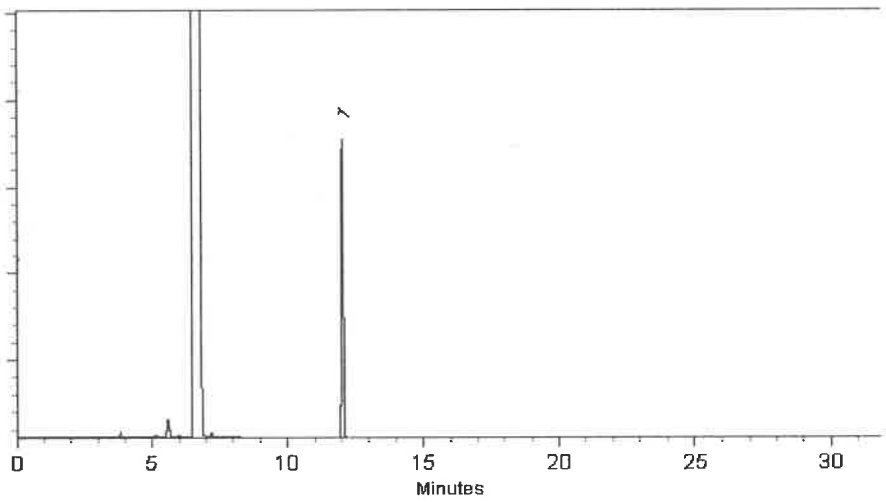
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PRODUCTOS 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

VWR® BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

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

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

E3972

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

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 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

Rec. on 6/10/25 PJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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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Certificate of Analysis

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. : 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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA 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. : 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.)

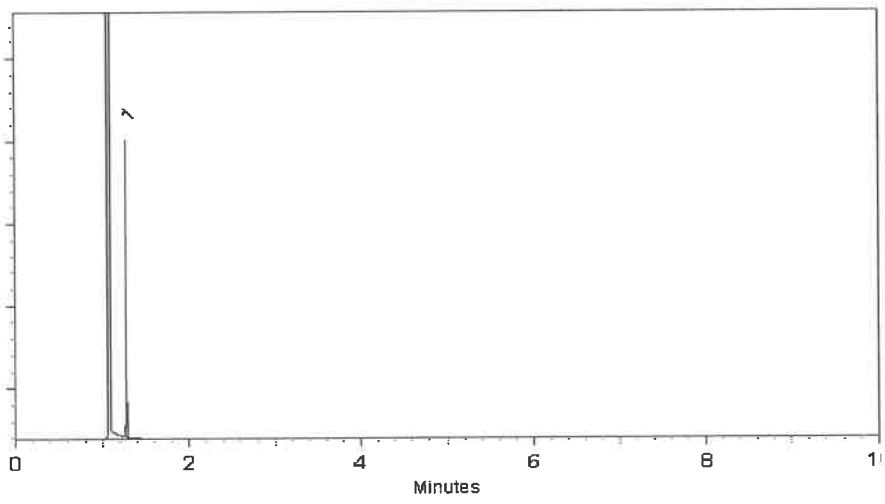
Inj. Temp:
250°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ilac-MRA A2LA 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. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

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

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.)

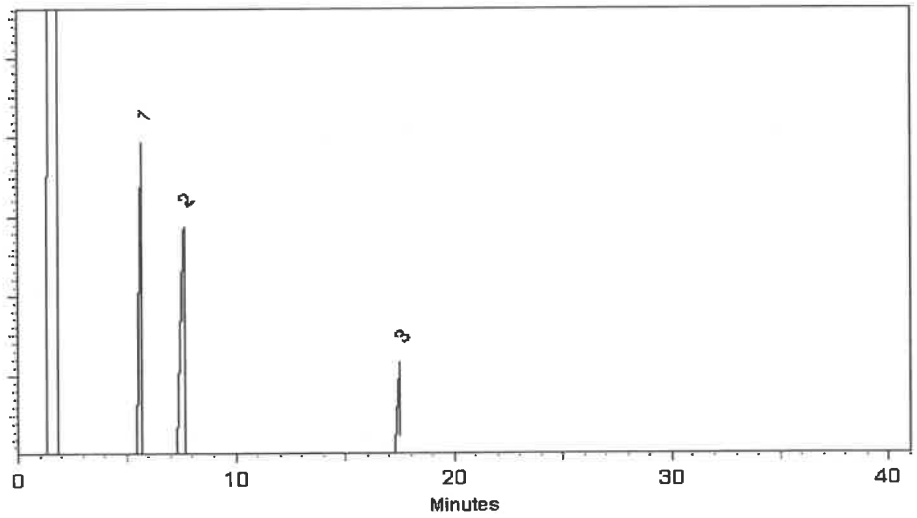
Inj. Temp:
250°C

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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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. : 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.)

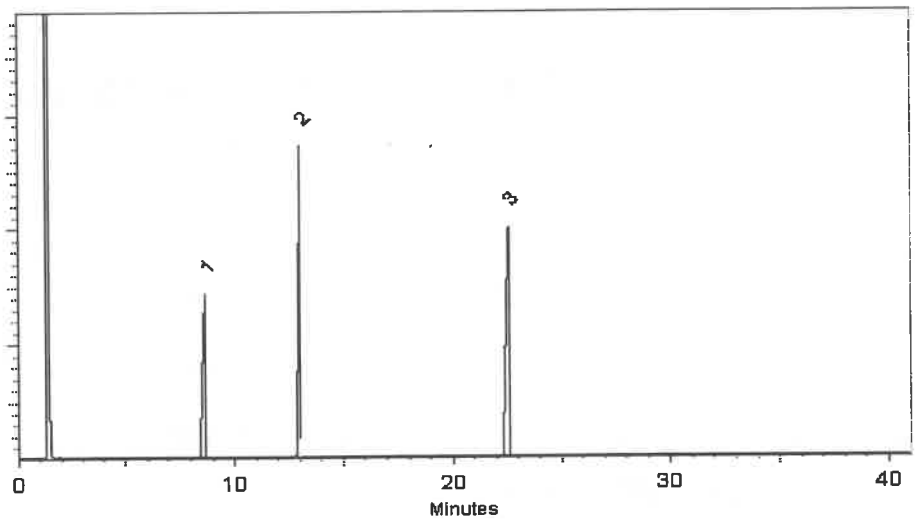
Inj. Temp:
250°C

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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Testing Laboratory
Certificate #3222.02

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.

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.)

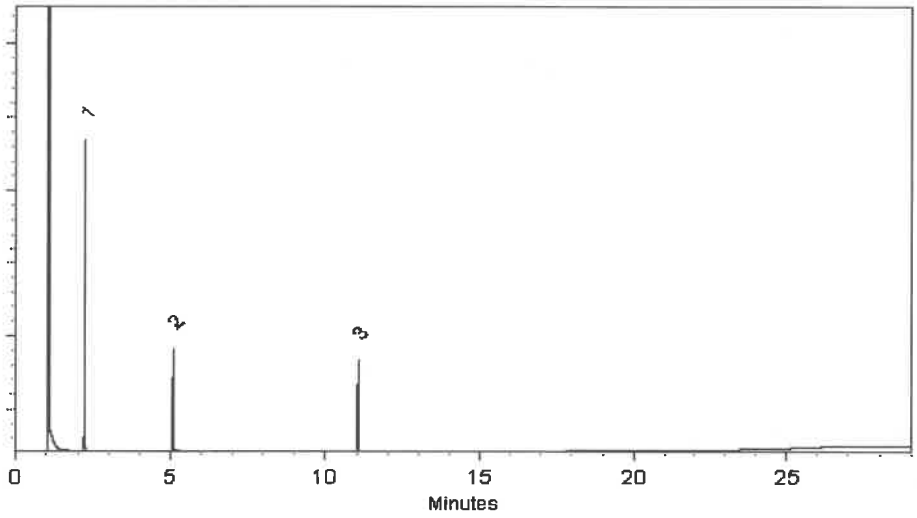
Inj. Temp:
250°C

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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CERTIFIED REFERENCE MATERIAL

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. : 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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Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** 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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

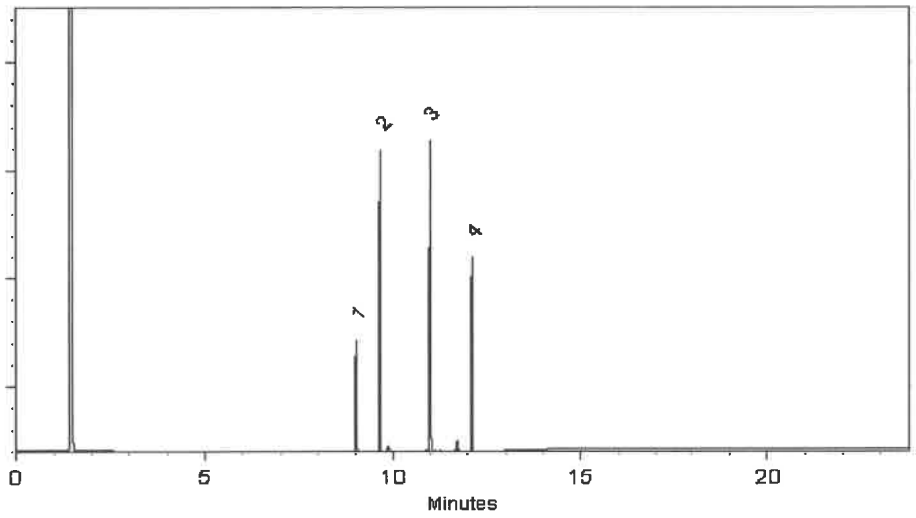
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

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.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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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

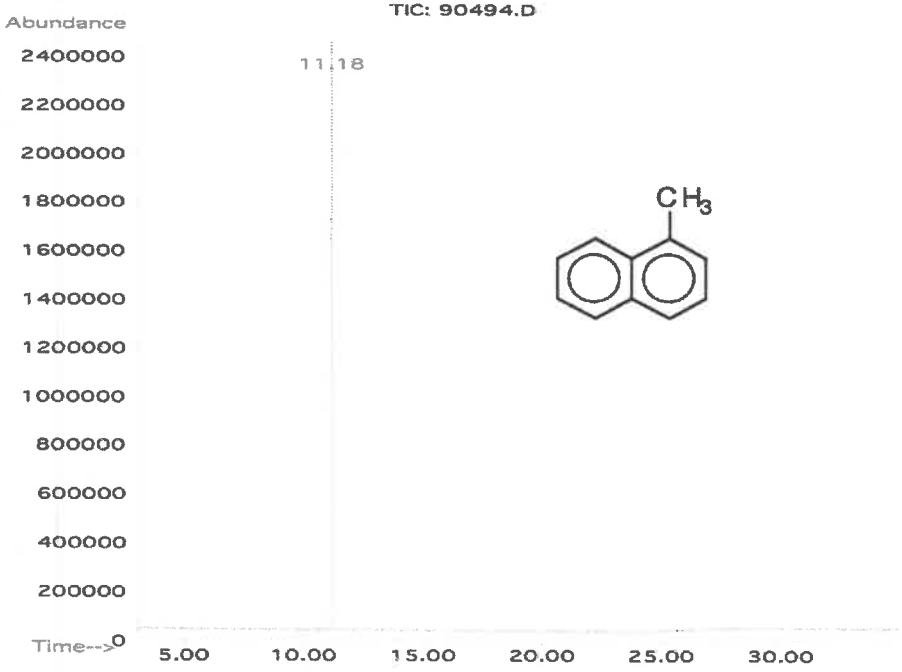
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

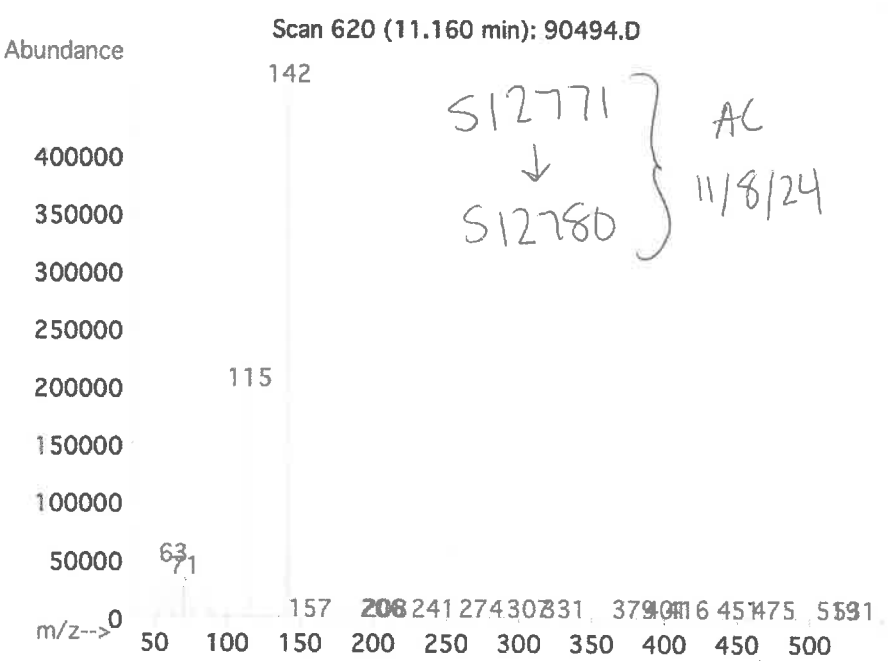
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

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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Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

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

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.)

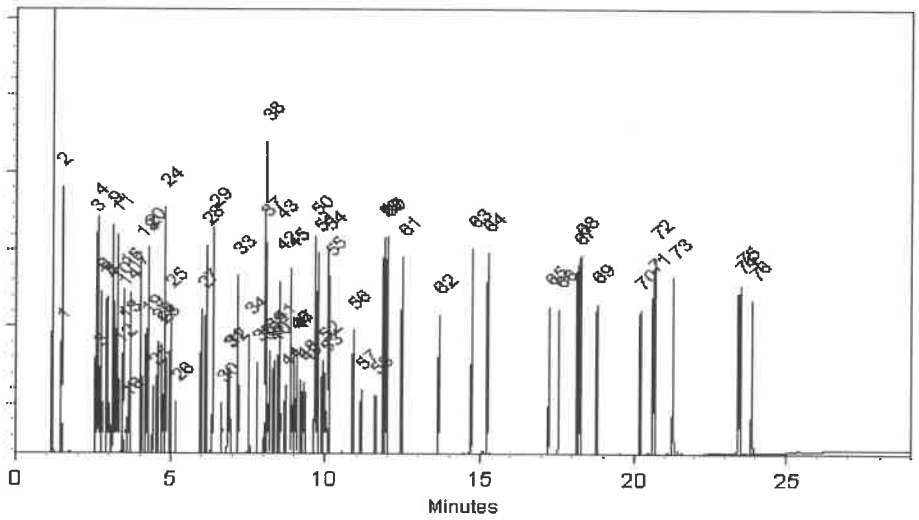
Inj. Temp:
250°C

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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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.)

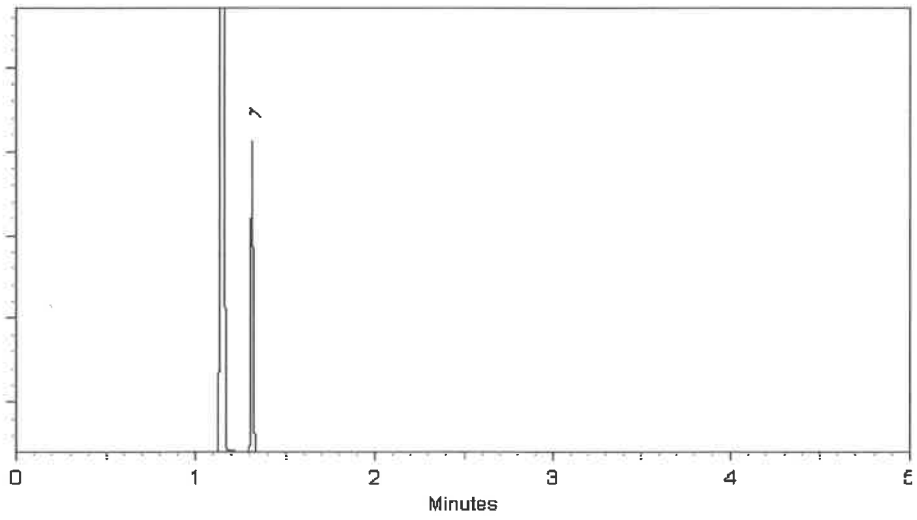
Inj. Temp:
250°C

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

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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

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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.

Catalog No. : 582978 **Lot No.:** A0228192

513229 ↓ 513238 } RC/ 8/1/25

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.)

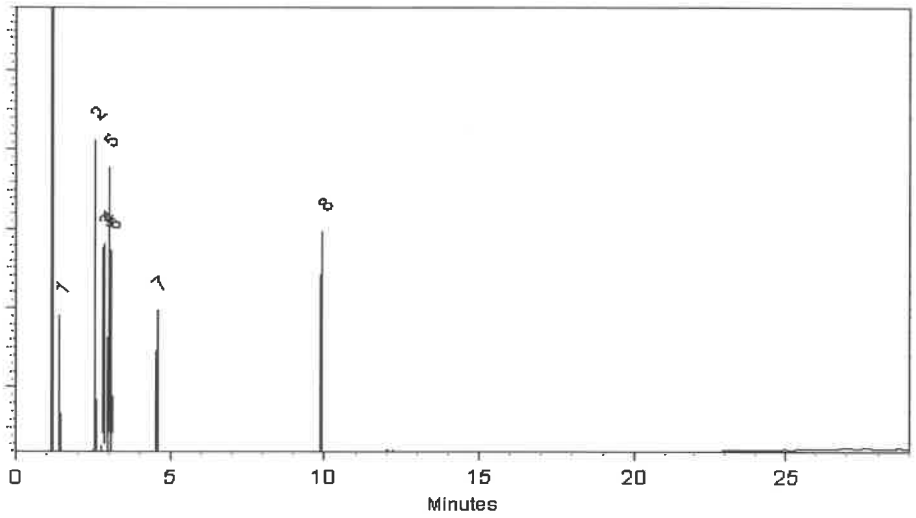
Inj. Temp:
250°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

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

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW1-251023-01	Waste		A	TAL VOCs		10/23/2025	10:00	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW1-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		C	TAL PCBs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		F	TCLP VOC		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:00	1	8 oz glass	4 C	N

Special Instructions: POSSIBLE HIGH CONCENTRATIONS. Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

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	Olga Kuzmitskene	10/23/25 1330		10/23/25 1330	Ice-Cool # 1 2.1 °C

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW2-251023-01	Waste		A	TAL VOCs		10/23/2025	10:30	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW2-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		C	TAL PCBs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		F	TCLP VOC		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:30	1	8 oz glass	4 C	N

Special Instructions: POSSIBLE HIGH CONCENTRATIONS. Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

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	Olga Kuzmitskaya	10/23/25 1330		10/23/25 13:30	If Cooler #1 2.1 °C

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW3-251023-01	Waste		A	TAL VOCs		10/23/2025	11:00	1	4 oz glass w/septum	4 C	N
	P001-TW3-251023-01	Waste		B	TAL SVOCs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		C	TAL PCBs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		D	TAL Pesticides		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		F	TCLP VOC		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		J	TCLP Herbicide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		A	TAL VOCs		10/23/2025	11:30	1	4 oz glass w/septum	4 C	N

Special Instructions: POSSIBLE HIGH CONCENTRATIONS. Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

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	Olga Kuzmitskaya	10/23/25 1330		1330 10/23/25	Ice Cont 2.1

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW4-251023-01	Waste		B	TAL SVOCs		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		C	TAL PCBs		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		D	TAL Pesticides		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		F	TCLP VOC		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	11:30	1 2 JDF 10-23-25	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	11:30	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		J	TCLP Herbicide		10/23/2025	11:30	1	8 oz glass	4 C	N
			JDF									
					10-23-2025							

Special Instructions: POSSIBLE HIGH CONCENTRATIONS. Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

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	Olga Kuzmitskaya	10/23/25 1330		1330 10/23/25	Iced 4 / 2.1°

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990, Subtitle I of the Resource Conservation and Recovery Act (RCRA), an pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutants and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Superfund Technical Assessment & Response Team (START) for EPA. The WESTON START Contract 68HE0319D0004, provides this support to EPA Region II.

Hazardous Communication

The Samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON START and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonably expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples.*

The samples which accompany this notice were tentatively classified by the field response team as:
_____Environmental ___X___Hazardous _____Comb (Envir. & Haz) _____Radioactive

The field team which collected the samples used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

____Level A ____Level B ____Level C ___X___Level D

This information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON START are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgement.

Laboratory Name: Alliance *RFP No.* 905

Prepared by: Josh Frizzell *Date* 10-23-2025

WESTON Office: Region II START, Edison, New Jersey; Phone: 732-585-4400

Alliance TECHNICAL GROUP 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 : Q3447 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 10/23/2025 1:50:00 PM
Project Name : RFP 905
Receive DateTime : 10/23/2025 1:30:00 PM
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
Q3447-01	P001-TW1-251023-01	Solid	10/23/2025	10:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-03	P001-TW2-251023-01	Solid	10/23/2025	10:30 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-05	P001-TW3-251023-01	Solid	10/23/2025	11:00 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-07	P001-TW4-251023-01	Solid	10/23/2025	11:30 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10/23/25 1437

Received By :
Date / Time : 10/23/25 1437
Storage Area : VOA Refridgerator Room