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

Table Of Contents for Q3447

1) TCLP SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 12
9) QC Data Summary For TCLP BNA 13
9.1) Deuterated Monitoring Compound Summary 14
9.2) MS/MSD Summary 16
9.3) LCS/LCSD Summary 18
9.4) Method Blank Summary 19
9.5) GS/MS Tune Summary 20
9.6) Internal Standard Area and RT Summary 28
10) Sample Data 38
10.1) PB170239TB 39
10.2) P001-TW1-251023-01 48
10.3) P001-TW2-251023-01 61
10.4) P001-TW3-251023-01 71
10.5) P001-TW4-251023-01 80
11) Calibration Data Summary 89
11.1) Initial Calibration Data 90
11.1.1) BF102425 90
11.1.2) BG102425 493
11.1.3) BP102925 897
11.2) Continued Calibration Data 1301
11.2.1) BF144097.D 1301
11.2.2) BF144121.D 1357
11.2.3) BG064600.D 1413
11.2.4) BG064654.D 1469
11.2.5) BP026039.D 1525
12) QC Sample Data 1581
12.1) Tune Raw Data 1582
12.2) Method Blank Data 1614

12.3) LCS Data 1623
12.4) MS Data 1673
12.5) MSD Data 1723
13) Manual Integration 1773
14) Analytical Runlogs 1781
15) Extraction Logs 1804
15.1) PB170239.pdf 1804
15.2) PB170239IC.pdf 1808
15.3) PB170267.pdf 1809
15.4) PB170267IC.pdf 1811
16) Standard Prep Logs 1812
17) Shipping Document 1882
17.1) Chain Of Custody 1883
17.2) Lab Certificate 1888
17.3) Internal COC 1889

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

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 9:29 am, Nov 06, 2025

Date: 11/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Order ID # Q3447
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/23/2025.

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

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

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

The Internal Standards Areas were met for all analysis except for P001-TW4-251023-01. Failed internal standard is not associated with TCLP reporting list , Therefor no further corrective action was taken.

The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Method 8270-BG102421.M for 2,4-Dinitrotoluene is passing on Linear regression.

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

The %RSD is greater than 20% in the Method 8270-BP102921.M for 2,4-Dinitrotoluene is passing on Linear regression.

The Continuous Calibration File ID BF144097.D met the requirements except for Terphenyl-d14. Which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID BG064654.D met the requirements except for 2,4-Dinitrotoluene. Associated sample does not have hit for this compound, therefor no furhter corrective action was taken.

The Tuning criteria met requirements.

E. Calculation.

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

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

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

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 9:33 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: TCLP

METHOD: 8270E/3510/1311

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

The %RSD is greater than 20% in the Method 8270-BG102421.M for 2,4-Dinitrotoluene is passing on Linear regression.

The %RSD is greater than 20% in the Method 8270-BP102921.M for 2,4-Dinitrotoluene is passing on Linear regression.

The Continuous Calibration File ID BF144097.D met the requirements except for Terphenyl-d14. Which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID BG064654.D met the requirements except for 2,4-Dinitrotoluene. Associated sample does not have hit for this compound, therefor no furhter corrective action was taken.

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

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

The Surrogate recoveries were met for all analysis.

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 met requirements for all compounds.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas were met for all analysis except for P001-TW4-251023-01. Failed internal standard is not associated with TCLP reporting list , Therefor no further corrective action was taken.			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

QA REVIEW

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:33 am, Nov 06, 2025

Date

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

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:** 11/06/2025

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

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	
Q3447-02	**P001-TW1-251023-01**	**TCLP**			**10/23/25**			**10/23/25**
			TCLP BNA	8270E		10/27/25	10/30/25	
Q3447-03	**P001-TW2-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-04	**P001-TW2-251023-01**	**TCLP**			**10/23/25**			**10/23/25**
			TCLP BNA	8270E		10/27/25	10/30/25	
Q3447-05	**P001-TW3-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-06	**P001-TW3-251023-01**	**TCLP**			**10/23/25**			**10/23/25**
			TCLP BNA	8270E		10/27/25	10/29/25	
Q3447-07	**P001-TW4-251023-01**	**SOIL**			**10/23/25**			**10/23/25**
			SVOC-TCL BNA -20	8270E		10/24/25	10/27/25	
Q3447-08	**P001-TW4-251023-01**	**TCLP**			**10/23/25**			**10/23/25**
			TCLP BNA	8270E		10/27/25	10/31/25	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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
Client ID :	**P001-TW1-251023-01**							
Q3447-02	P001-TW1-251023-01	TCLP	2-Methylphenol	21.800	J	11.2	50	ug/L
Q3447-02	P001-TW1-251023-01	TCLP	3+4-Methylphenols	31.300	J	11	100	ug/L
			Total Svoc :	**53.10**				
			Total Concentration:	**53.10**				

QC SUMMARY

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

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	High
PB170239TB	PB170239TB	2-Fluorophenol	150	143	95		23	138
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	92.1	92		67	132
		2-Fluorobiphenyl	100	88.7	89		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	83.0	83		42	152
PB170267BL	PB170267BL	2-Fluorophenol	150	100	67		23	138
		Phenol-d6	150	105	70		10	134
		Nitrobenzene-d5	100	68.0	68		67	132
		2-Fluorobiphenyl	100	65.5	66		52	132
		2,4,6-Tribromophenol	150	122	81		44	137
		Terphenyl-d14	100	86.8	87		42	152
PB170267BS	PB170267BS	2-Fluorophenol	150	106	71		23	138
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	76.2	76		67	132
		2-Fluorobiphenyl	100	72.9	73		52	132
		2,4,6-Tribromophenol	150	131	88		44	137
		Terphenyl-d14	100	107	107		42	152
Q3427-04MS	TP-8MS	2-Fluorophenol	150	132	88		23	138
		Phenol-d6	150	128	85		10	134
		Nitrobenzene-d5	100	95.9	96		67	132
		2-Fluorobiphenyl	100	90.8	91		52	132
		2,4,6-Tribromophenol	150	151	101		44	137
		Terphenyl-d14	100	103	103		42	152
Q3427-04MSD	TP-8MSD	2-Fluorophenol	150	134	89		23	138
		Phenol-d6	150	131	87		10	134
		Nitrobenzene-d5	100	98.1	98		67	132
		2-Fluorobiphenyl	100	95.2	95		52	132
		2,4,6-Tribromophenol	150	158	106		44	137
		Terphenyl-d14	100	105	105		42	152
Q3447-02	P001-TW1-251023-01	2-Fluorophenol	150	122	82		23	138
		Phenol-d6	150	110	73		10	134
		Nitrobenzene-d5	100	90.5	90		67	132
		2-Fluorobiphenyl	100	84.6	85		52	132
		2,4,6-Tribromophenol	150	139	93		44	137
		Terphenyl-d14	100	94.1	94		42	152
Q3447-04	P001-TW2-251023-01	2-Fluorophenol	150	123	82		23	138
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	90.5	91		67	132
		2-Fluorobiphenyl	100	84.7	85		52	132
		2,4,6-Tribromophenol	150	148	99		44	137
		Terphenyl-d14	100	96.8	97		42	152
Q3447-06	P001-TW3-251023-01	2-Fluorophenol	150	114	76		23	138
		Phenol-d6	150	109	73		10	134
		Nitrobenzene-d5	100	81.8	82		67	132
		2-Fluorobiphenyl	100	77.3	77		52	132
		2,4,6-Tribromophenol	150	130	87		44	137
		Terphenyl-d14	100	83.6	84		42	152
Q3447-08	P001-TW4-251023-01	2-Fluorophenol	150	132	88		23	138
		Phenol-d6	150	104	69		10	134
		Nitrobenzene-d5	100	105	105		67	132

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

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
Q3447-08	P001-TW4-251023-01	2-Fluorobiphenyl	100	109	109		52	132
		2,4,6-Tribromophenol	150	205	137		44	137
		Terphenyl-d14	100	99.7	100		42	152

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

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

Client: Weston Solutions, Inc. **DataFile:** BF144127.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3427-04MS		**Client Sample ID: TP-8MS**									
Pyridine	500	0	300	ug/L	60				10	109	
1,4-Dichlorobenzene	500	0	460	ug/L	92				55	125	
2-Methylphenol	500	0	500	ug/L	100				60	131	
3+4-Methylphenols	500	0	490	ug/L	98				54	136	
Hexachloroethane	500	0	430	ug/L	86				19	146	
Nitrobenzene	500	0	470	ug/L	94				62	112	
Hexachlorobutadiene	500	0	430	ug/L	86				52	125	
2,4,6-Trichlorophenol	500	0	480	ug/L	96				78	112	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				71	111	
2,4-Dinitrotoluene	500	0	550	ug/L	110				74	137	
Hexachlorobenzene	500	0	460	ug/L	92				72	115	
Pentachlorophenol	1000	0	1000	ug/L	100				52	162	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

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

Client: Weston Solutions, Inc. **DataFile:** BF144128.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3427-04MSD		**Client Sample ID: TP-8MSD**									
Pyridine	500	0	290	ug/L	58		3		10	109	20
1,4-Dichlorobenzene	500	0	470	ug/L	94		2		55	125	20
2-Methylphenol	500	0	490	ug/L	98		2		60	131	20
3+4-Methylphenols	500	0	500	ug/L	100		2		54	136	20
Hexachloroethane	500	0	440	ug/L	88		2		19	146	20
Nitrobenzene	500	0	480	ug/L	96		2		62	112	20
Hexachlorobutadiene	500	0	450	ug/L	90		5		52	125	20
2,4,6-Trichlorophenol	500	0	520	ug/L	104		8		78	112	20
2,4,5-Trichlorophenol	500	0	530	ug/L	106		6		71	111	20
2,4-Dinitrotoluene	500	0	580	ug/L	116		5		74	137	20
Hexachlorobenzene	500	0	520	ug/L	104		12		72	115	20
Pentachlorophenol	1000	0	1100	ug/L	110		10		52	162	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

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

Client: Weston Solutions, Inc. **DataFile:** BF144099.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170267BS	Pyridine	50	34.3	ug/L	69				29	97	
	1,4-Dichlorobenzene	50	41.0	ug/L	82				76	103	
	2-Methylphenol	50	44.1	ug/L	88				69	109	
	3+4-Methylphenols	50	42.5	ug/L	85				67	106	
	Hexachloroethane	50	40.0	ug/L	80				76	118	
	Nitrobenzene	50	40.8	ug/L	82				58	106	
	Hexachlorobutadiene	50	39.7	ug/L	79				69	101	
	2,4,6-Trichlorophenol	50	42.4	ug/L	85				61	110	
	2,4,5-Trichlorophenol	50	43.5	ug/L	87				70	106	
	2,4-Dinitrotoluene	50	50.0	ug/L	100				60	115	
	Hexachlorobenzene	50	42.9	ug/L	86				73	106	
	Pentachlorophenol	100	94.2	ug/L	94				47	114	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170267BL

Lab Name: Alliance | Contract: ROYF02

Lab Code: ACE | SDG NO.: Q3447

Lab File ID: BF144098.D | Lab Sample ID: PB170267BL

Instrument ID: BNA_F | Date Extracted: 10/27/2025

Matrix: (soil/water) water | Date Analyzed: 10/28/2025

Level: (low/med) LOW | Time Analyzed: 13:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170267BS	PB170267BS	BF144099.D	10/28/2025
P001-TW3-251023-01	Q3447-06	BF144119.D	10/29/2025
TP-8MS	Q3427-04MS	BF144127.D	10/29/2025
TP-8MSD	Q3427-04MSD	BF144128.D	10/29/2025
PB170239TB	PB170239TB	BG064601.D	10/28/2025
P001-TW4-251023-01	Q3447-08	BG064656.D	10/31/2025
P001-TW1-251023-01	Q3447-02	BP026044.D	10/30/2025
P001-TW2-251023-01	Q3447-04	BP026045.D	10/30/2025

COMMENTS:

Form IV SV

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

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

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

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
PB170267BL	PB170267BL	BF144098.D	10/28/2025	13:47
PB170267BS	PB170267BS	BF144099.D	10/28/2025	14:16
P001-TW3-251023-01	Q3447-06	BF144119.D	10/29/2025	00:09

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BF144120.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:00

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144121.D	10/29/2025	11:30
TP-8MS	Q3427-04MS	BF144127.D	10/29/2025	14:33
TP-8MSD	Q3427-04MSD	BF144128.D	10/29/2025	15:02

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

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BG064599.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_G DFTPP Injection Time: 13:05

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064600.D	10/28/2025	13:45
PB170239TB	PB170239TB	BG064601.D	10/28/2025	14:26

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BG064653.D DFTPP Injection Date: 10/31/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (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	7.2
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	81
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064654.D	10/31/2025	13:24
P001-TW4-251023-01	Q3447-08	BG064656.D	10/31/2025	14:50

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BP026027.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.4
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	3.1
441	Present, but less than mass 443	79.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.2) 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	BP026028.D	10/29/2025	09:26
SSTDICC005	SSTDICC005	BP026029.D	10/29/2025	10:07
SSTDICC010	SSTDICC010	BP026030.D	10/29/2025	10:48
SSTDICC020	SSTDICC020	BP026031.D	10/29/2025	11:29
SSTDICCC040	SSTDICCC040	BP026032.D	10/29/2025	12:10
SSTDICC050	SSTDICC050	BP026033.D	10/29/2025	12:51
SSTDICC060	SSTDICC060	BP026034.D	10/29/2025	13:32
SSTDICC080	SSTDICC080	BP026035.D	10/29/2025	14:13

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Lab File ID: BP026038.D DFTPP Injection Date: 10/30/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.3
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	3.7
441	Present, but less than mass 443	81.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.2 (19.3) 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	BP026039.D	10/30/2025	11:15
P001-TW1-251023-01	Q3447-02	BP026044.D	10/30/2025	15:42
P001-TW2-251023-01	Q3447-04	BP026045.D	10/30/2025	16:23

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

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-TW3-251023-01	74206	6.88	288956	8.16	160721	9.92
02	PB170267BL	74235	6.88	292746	8.16	176104	9.92
03	PB170267BS	82245	6.88	315394	8.16	185793	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: 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-TW3-251023-01	268460	11.40	171657	14.05	207654	15.54
02	PB170267BL	344710	11.40	212971	14.05	182134	15.53
03	PB170267BS	347429	11.41	187996	14.06	212306	15.54

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	61447	6.881	232371	8.16	124035	9.92
	UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
	LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
	EPA SAMPLE NO.						
01	TP-8MS	59277	6.88	229063	8.16	132788	9.92
02	TP-8MSD	58632	6.88	225036	8.16	126691	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	207074	11.41	153131	14.057	204043	15.539
	UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
	LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
	EPA SAMPLE NO.						
01	TP-8MS	236318	11.41	145719	14.06	194108	15.54
02	TP-8MSD	221499	11.41	150723	14.06	191043	15.54

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

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

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

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

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: BG064600.D Time Analyzed: 13:45

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	28654	8.219	112694	11.05	87446	14.84
	UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
	LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
	EPA SAMPLE NO.						
01	PB170239TB	25341	8.22	92692	11.04	70316	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

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

Lab File ID: BG064600.D Time Analyzed: 13:45

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	216707	17.573	273944	21.85	304830	25.187
	UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
	LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
	EPA SAMPLE NO.						
01	PB170239TB	194854	17.57	275677	21.85	313610	25.19

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/31/2025

Lab File ID: BG064654.D Time Analyzed: 13:24

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	29760	8.216	121809	11.04	99146	14.84
	UPPER LIMIT	59520	8.716	243618	11.542	198292	15.338
	LOWER LIMIT	14880	7.716	60904.5	10.542	49573	14.338
	EPA SAMPLE NO.						
01	P001-TW4-251023-01	32281	8.22	126478	11.05	78090	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/31/2025

Lab File ID: BG064654.D Time Analyzed: 13:24

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	255812	17.576	303338	21.853	334065		25.196
	UPPER LIMIT	511624	18.076	606676	22.353	668130		25.696
	LOWER LIMIT	127906	17.076	151669	21.353	167033		24.696
	EPA SAMPLE NO.							
01	P001-TW4-251023-01	257453	17.57	264435	21.85	83058	*	25.19

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID : SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BP026039.D Time Analyzed: 11:15

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	280604	7.678	1128650	10.45	707800	14.31
	UPPER LIMIT	561208	8.178	2257300	10.949	1415600	14.807
	LOWER LIMIT	140302	7.178	564325	9.949	353900	13.807
	EPA SAMPLE NO.						
01	P001-TW1-251023-01	376742	7.68	1432630	10.45	843948	14.32
02	P001-TW2-251023-01	363836	7.68	1417740	10.45	855859	14.33

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3447

Client ID: SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BP026039.D Time Analyzed: 11:15

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1418800	17.119	1511220	21.577	1625760	24.901
	UPPER LIMIT	2837600	17.619	3022440	22.077	3251520	25.401
	LOWER LIMIT	709400	16.619	755610	21.077	812880	24.401
	EPA SAMPLE NO.						
01	P001-TW1-251023-01	1620980	17.14	1730920	21.60	1889760	24.91
02	P001-TW2-251023-01	1766660	17.14	1797150	21.59	877217	24.91

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/27/25
Project:	RFP 905			Date Received:	10/27/25
Client Sample ID:	PB170239TB			SDG No.:	Q3447
Lab Sample ID:	PB170239TB			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/28/25 14:26	PB170267
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/28/25 14:26	PB170267
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/28/25 14:26	PB170267
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/28/25 14:26	PB170267
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/28/25 14:26	PB170267
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/28/25 14:26	PB170267
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/28/25 14:26	PB170267
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/28/25 14:26	PB170267
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/28/25 14:26	PB170267
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/28/25 14:26	PB170267
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/28/25 14:26	PB170267
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/28/25 14:26	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	143			23 - 138	95%	SPK: 150		
13127-88-3	Phenol-d6	127			10 - 134	85%	SPK: 150		
4165-60-0	Nitrobenzene-d5	92.1			67 - 132	92%	SPK: 100		
321-60-8	2-Fluorobiphenyl	88.7			52 - 132	89%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	136			44 - 137	91%	SPK: 150		
1718-51-0	Terphenyl-d14	83.0			42 - 152	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	25300							
1146-65-2	Naphthalene-d8	92700							
15067-26-2	Acenaphthene-d10	70300							
1517-22-2	Phenanthrene-d10	195000							
1719-03-5	Chrysene-d12	276000							
1520-96-3	Perylene-d12	314000							

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064601.D
Acq On : 28 Oct 2025 14:26
Operator : RC/JU
Sample : PB170239TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Quant Time: Oct 28 15:03:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

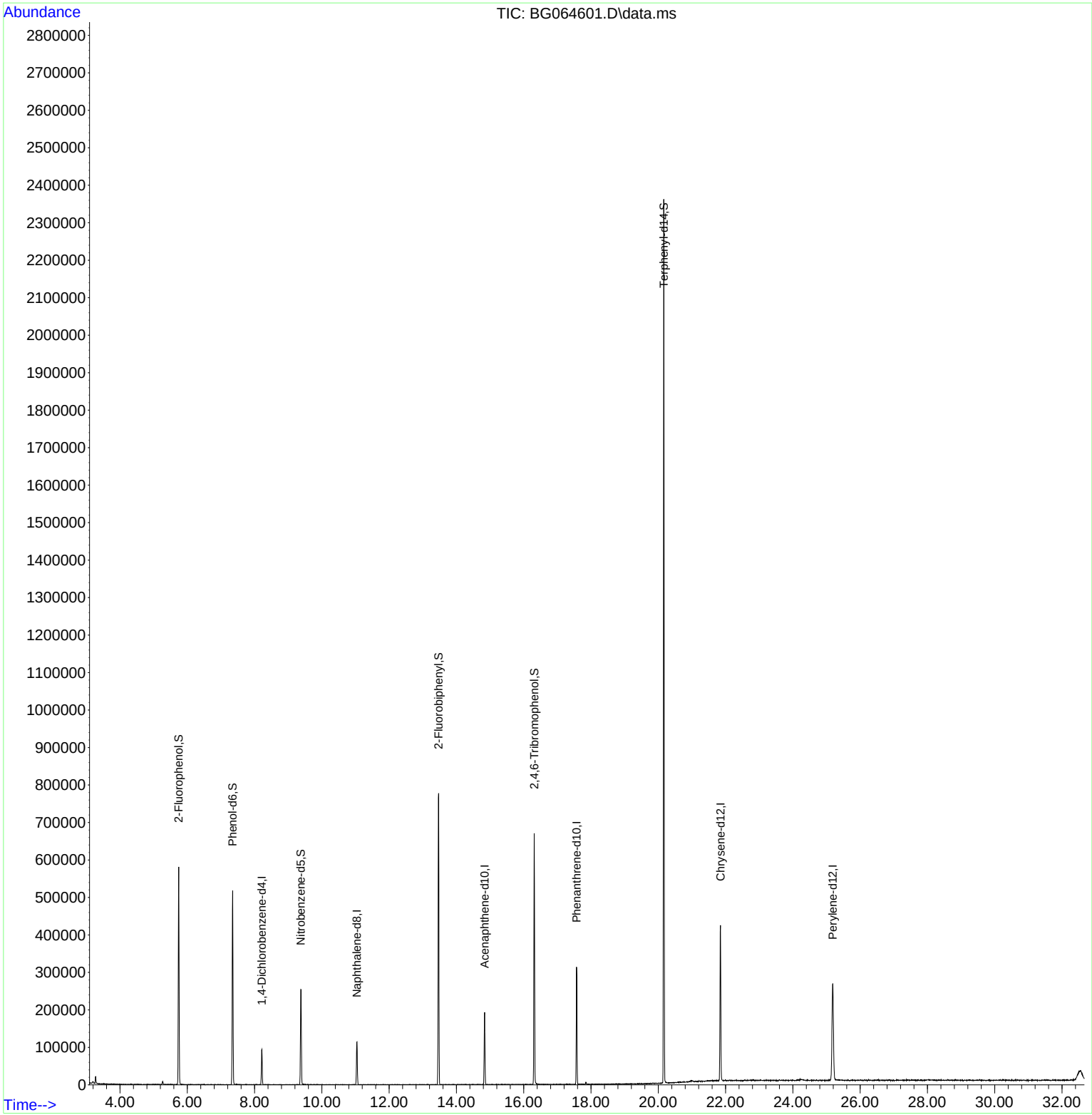
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	25341	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	92692	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	70316	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	194854	20.000	ng	0.00
76) Chrysene-d12	21.849	240	275677	20.000	ng	-0.01
86) Perylene-d12	25.186	264	313610	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	215145	142.504	ng	0.00
7) Phenol-d6	7.348	99	263377	127.132	ng	0.00
23) Nitrobenzene-d5	9.375	82	142155	92.114	ng	-0.01
42) 2,4,6-Tribromophenol	16.314	330	138100	136.076	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	411607	88.727	ng	0.00
79) Terphenyl-d14	20.162	244	1212132	82.977	ng	-0.01
Target Compounds						Qvalue

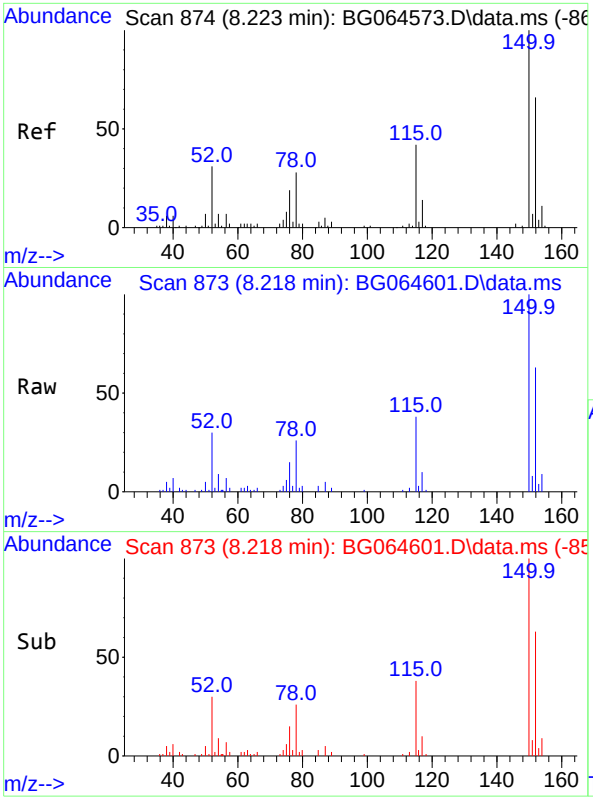
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064601.D
Acq On : 28 Oct 2025 14:26
Operator : RC/JU
Sample : PB170239TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Quant Time: Oct 28 15:03:04 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



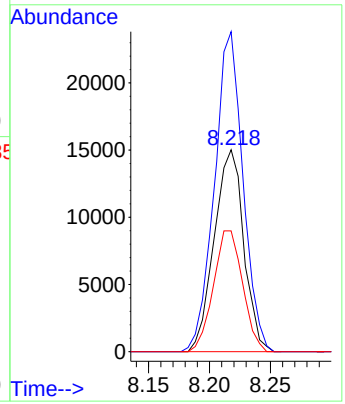


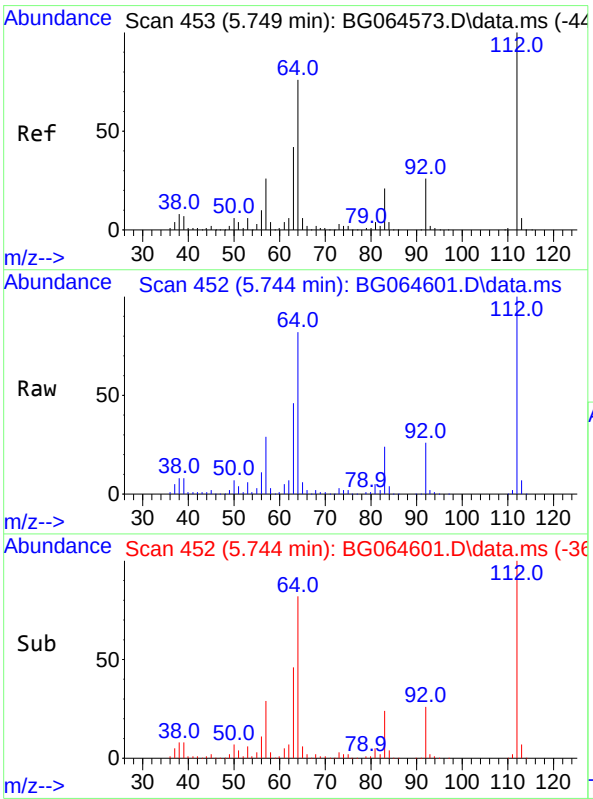
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion:152 Resp: 25341

Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.2	183.4
115	59.9	50.8	76.2

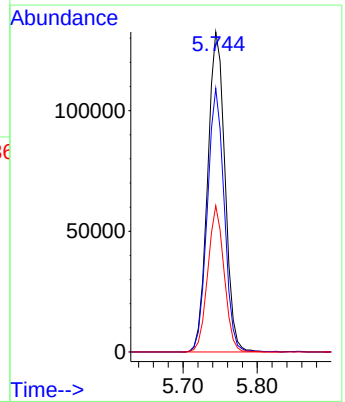


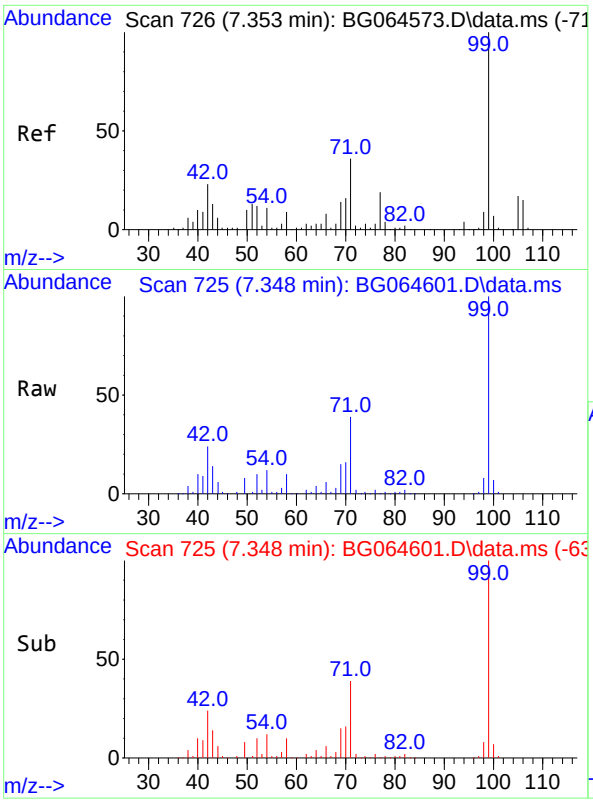


#5
2-Fluorophenol
Concen: 142.504 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:112 Resp: 215145

Ion	Ratio	Lower	Upper
112	100		
64	82.3	60.7	91.1
63	45.7	33.4	50.0



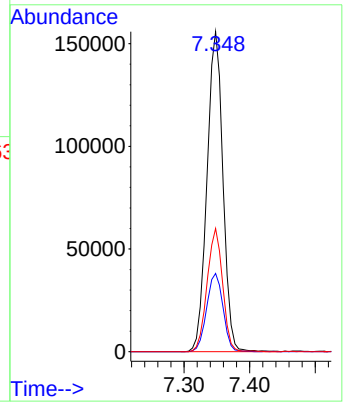


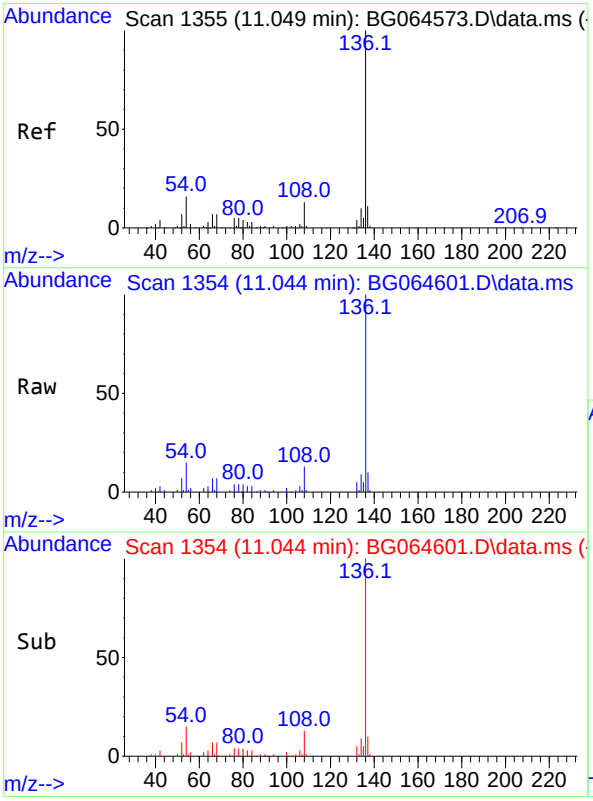
#7
Phenol-d6
Concen: 127.132 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion: 99 Resp: 263377

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	38.5	28.6	43.0

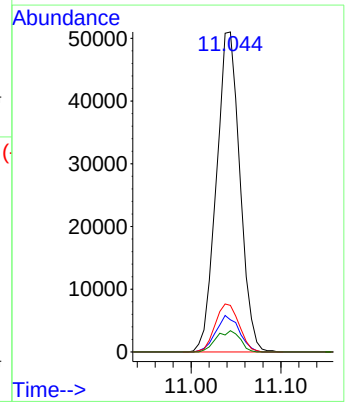


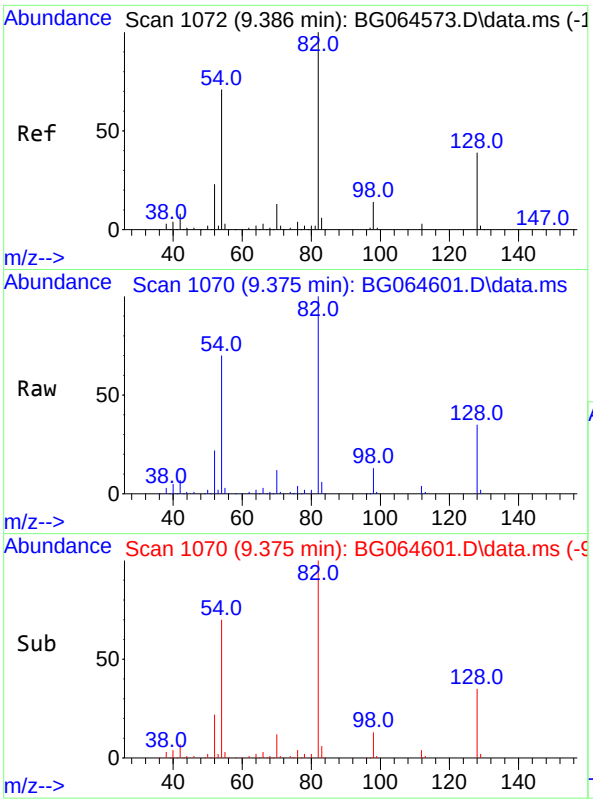


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:136 Resp: 92692

Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	14.5	12.6	19.0
68	6.6	5.7	8.5



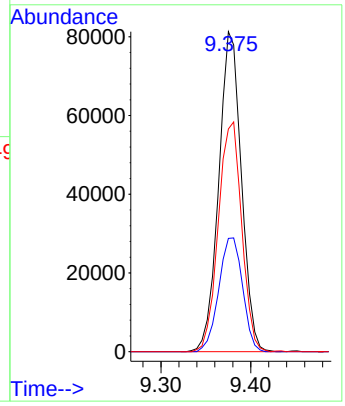


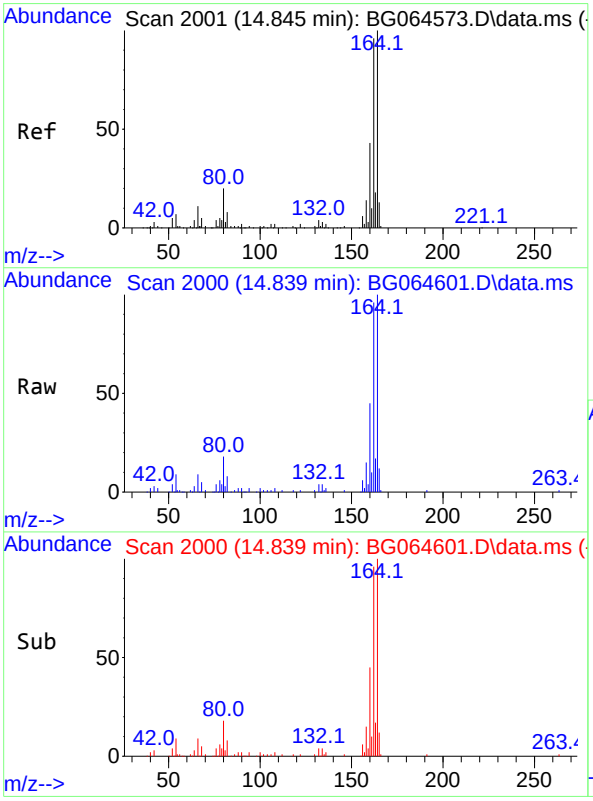
#23
Nitrobenzene-d5
Concen: 92.114 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion: 82 Resp: 142155

Ion	Ratio	Lower	Upper
82	100		
128	35.4	31.3	46.9
54	69.6	56.6	84.8

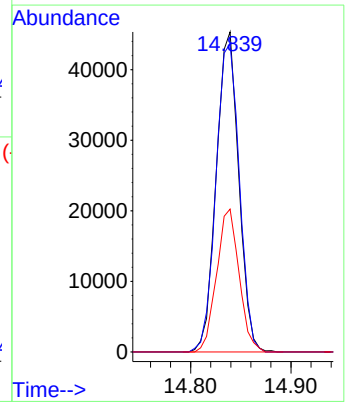


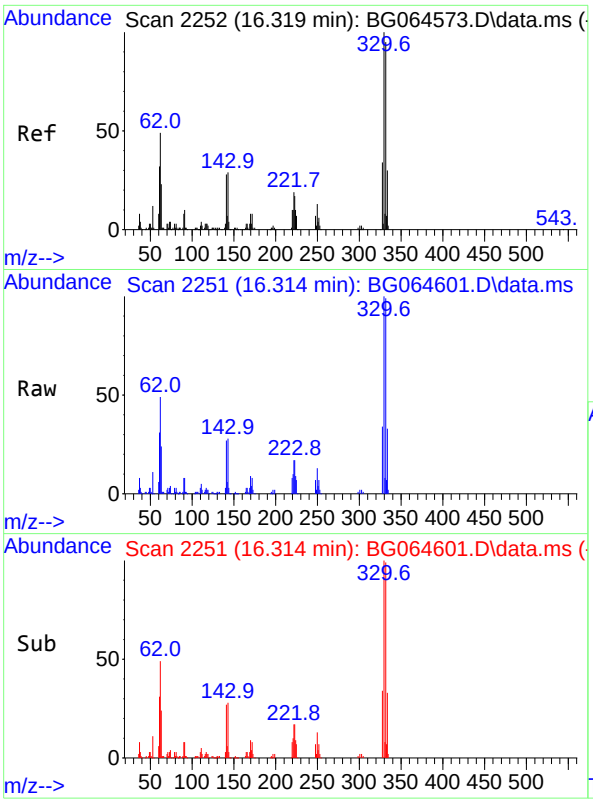


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:164 Resp: 70316

Ion	Ratio	Lower	Upper
164	100		
162	96.4	77.0	115.6
160	44.7	34.4	51.6



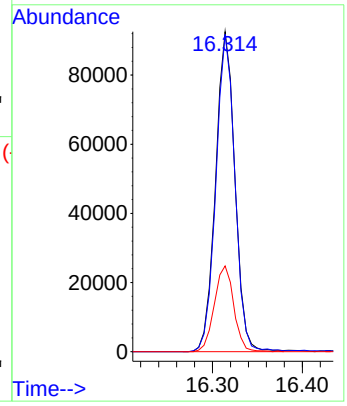


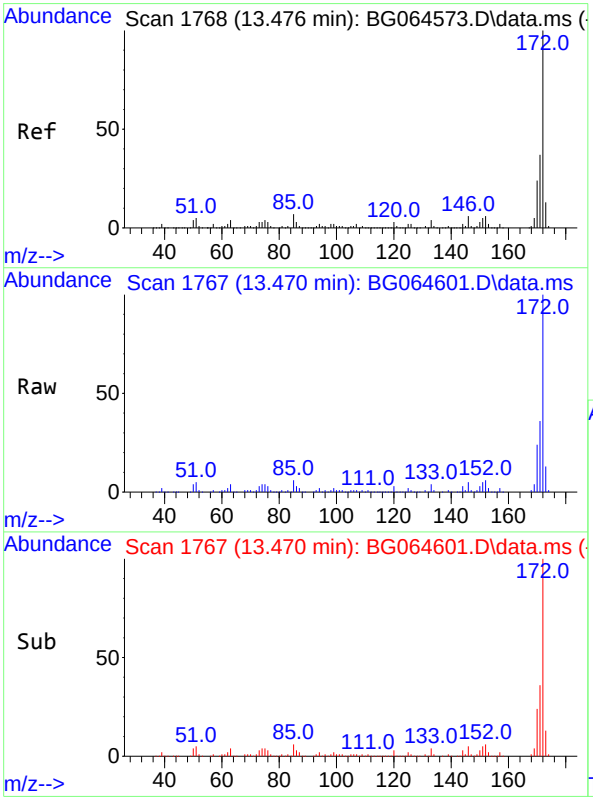
#42
2,4,6-Tribromophenol
Concen: 136.076 ng
RT: 16.314 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion:330 Resp: 138100

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.0	117.0
141	27.0	21.8	32.6

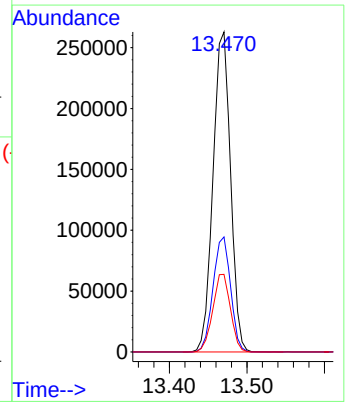


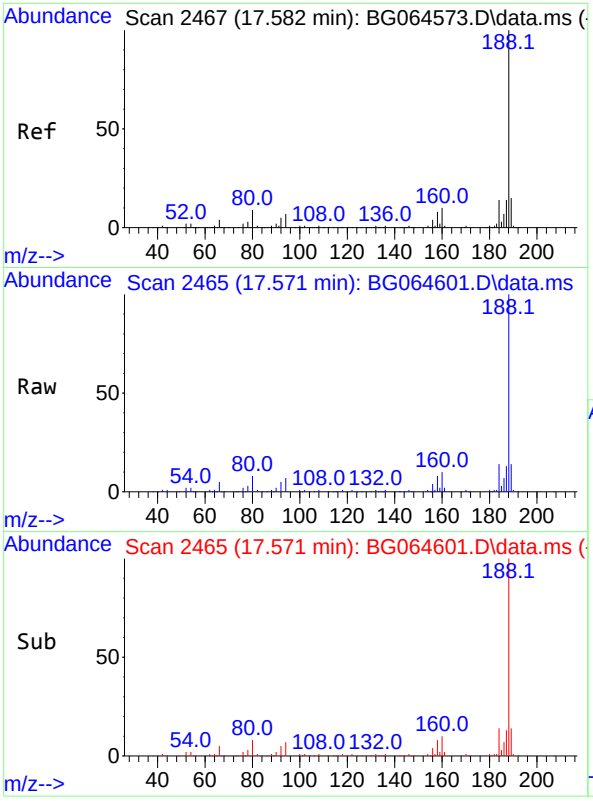


#45
2-Fluorobiphenyl
Concen: 88.727 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:172 Resp: 411607

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.2	19.1	28.7



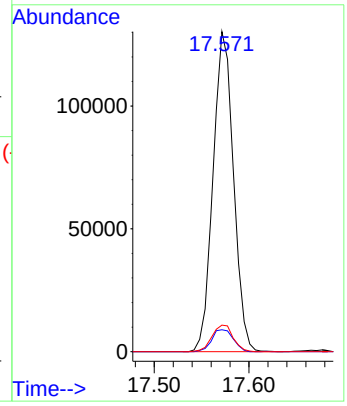


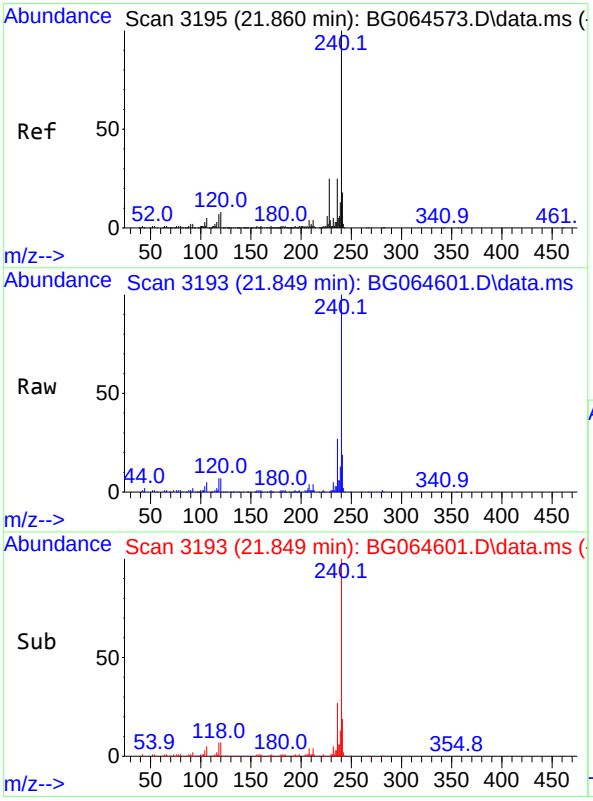
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion:188 Resp: 194854

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	8.3	6.8	10.2

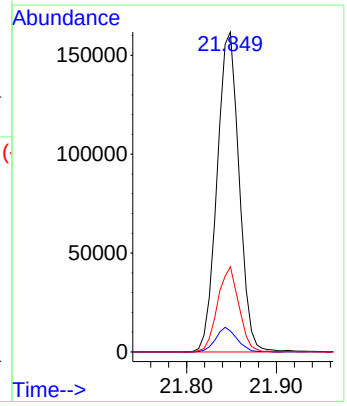


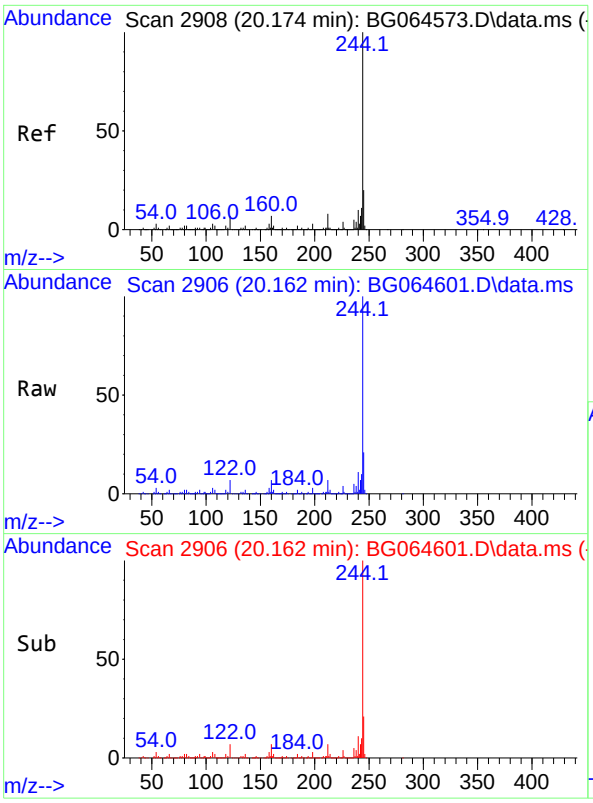


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:240 Resp: 275677

Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.5	9.7
236	26.6	20.2	30.2



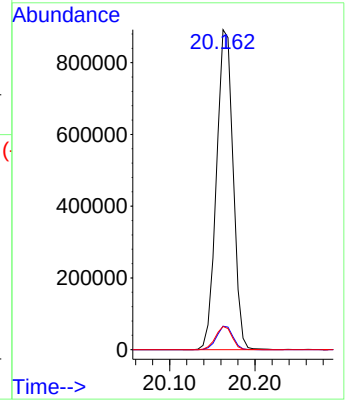


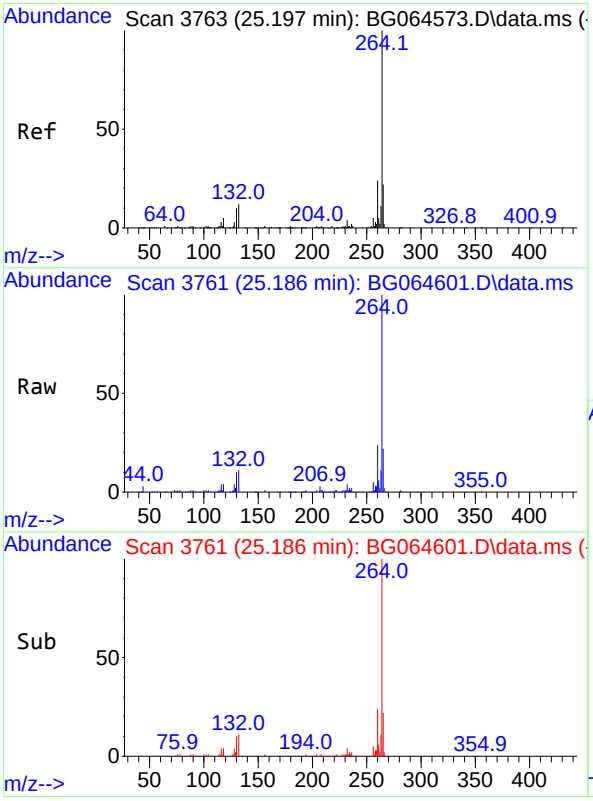
#79
Terphenyl-d14
Concen: 82.977 ng
RT: 20.162 min Scan# 2
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Instrument :
BNA_G
ClientSampleId :
PB170239TB

Tgt Ion:244 Resp: 1212132

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	7.3	5.6	8.4

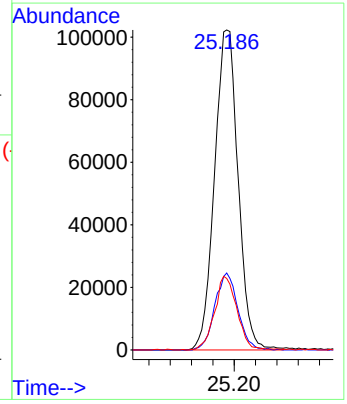




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3761
Delta R.T. -0.015 min
Lab File: BG064601.D
Acq: 28 Oct 2025 14:26

Tgt Ion:264 Resp: 313610

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	22.4	17.6	26.4



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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/23/25
Project:	RFP 905			Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-02			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/30/25 15:42	PB170267
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/30/25 15:42	PB170267
95-48-7	2-Methylphenol	21.8	J	1	11.2	50.0	ug/L	10/30/25 15:42	PB170267
65794-96-9	3+4-Methylphenols	31.3	J	1	11.0	100	ug/L	10/30/25 15:42	PB170267
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/30/25 15:42	PB170267
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/30/25 15:42	PB170267
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/30/25 15:42	PB170267
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/30/25 15:42	PB170267
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/30/25 15:42	PB170267
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/30/25 15:42	PB170267
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/30/25 15:42	PB170267
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/30/25 15:42	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	122			23 - 138	82%	SPK: 150		
13127-88-3	Phenol-d6	110			10 - 134	73%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.5			67 - 132	90%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.6			52 - 132	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	139			44 - 137	93%	SPK: 150		
1718-51-0	Terphenyl-d14	94.1			42 - 152	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	377000							
1146-65-2	Naphthalene-d8	1430000							
15067-26-2	Acenaphthene-d10	844000							
1517-22-2	Phenanthrene-d10	1620000							
1719-03-5	Chrysene-d12	1730000							
1520-96-3	Perylene-d12	1890000							

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_P\Data\BP103025\
Data File : BP026044.D
Acq On : 30 Oct 2025 15:42
Operator : RC/JU
Sample : Q3447-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

Quant Time: Oct 30 16:12:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	376742	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	1432630	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	843948	20.000	ng		0.00
64) Phenanthrene-d10	17.137	188	1620982	20.000	ng		0.01
76) Chrysene-d12	21.595	240	1730921	20.000	ng		0.03
86) Perylene-d12	24.907	264	1889761	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	2791444	122.263	ng		0.00
7) Phenol-d6	6.855	99	3193658	109.899	ng		0.00
23) Nitrobenzene-d5	8.819	82	2079334	90.481	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	1272263	139.443	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	4967566	84.579	ng		0.00
79) Terphenyl-d14	19.878	244	8020127	94.137	ng		0.01
Target Compounds							Qvalue
10) Phenol	6.878	94	160948	4.989	ng		89
17) 2-Methylphenol	8.108	107	45985	2.177	ng		94
20) 3+4-Methylphenols	8.431	107	91930	3.128	ng		95
27) 2,4-Dimethylphenol	9.660	122	105373m	5.094	ng		
31) Naphthalene	10.502	128	436821	5.591	ng		99
37) 2-Methylnaphthalene	12.125	142	312887	5.722	ng		98
38) 1-Methylnaphthalene	12.337	142	211450m	3.981	ng		
84) Bis(2-ethylhexyl)phtha...	21.548	149	18245	2.845	ng	#	94

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

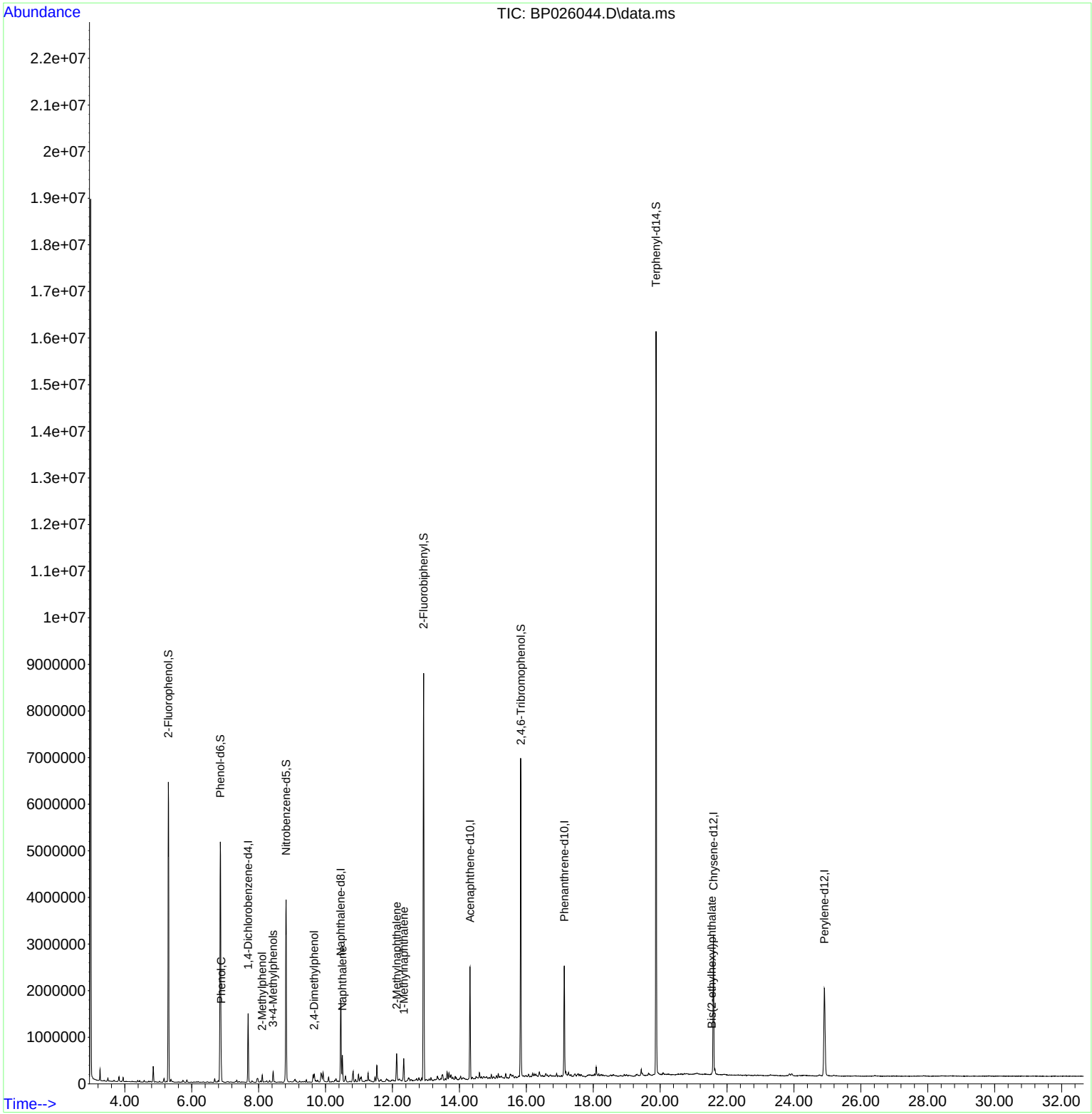
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026044.D
Acq On : 30 Oct 2025 15:42
Operator : RC/JU
Sample : Q3447-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

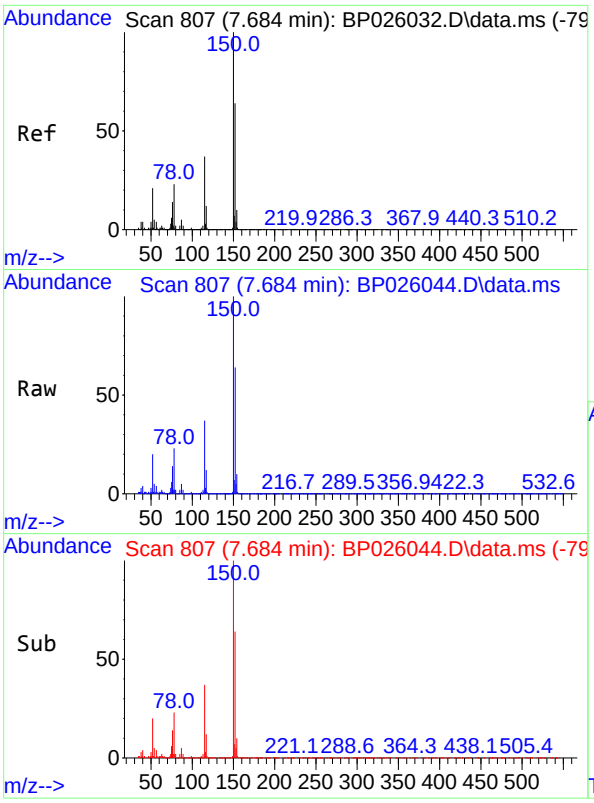
Quant Time: Oct 30 16:12:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

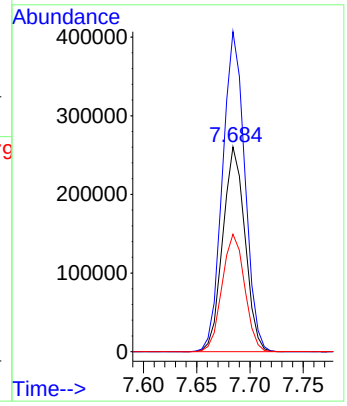




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:152 Resp: 37674

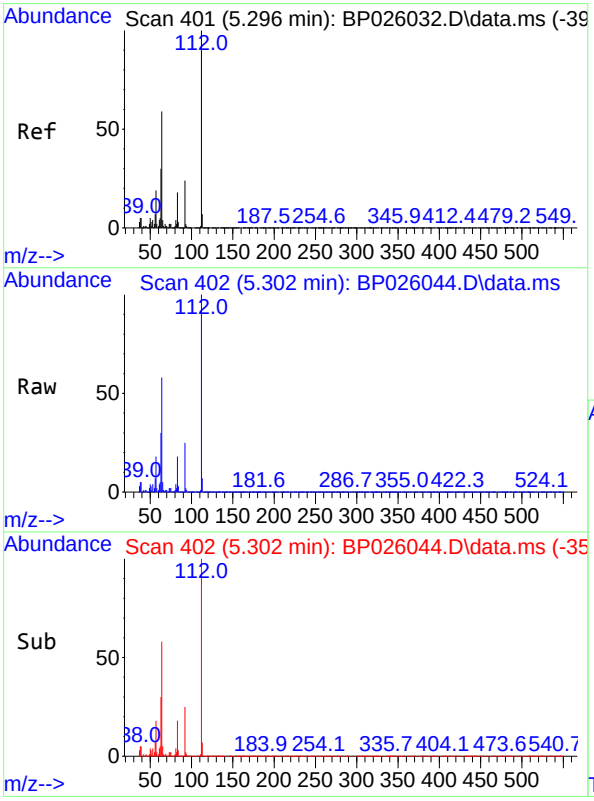
Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.7	188.5
115	57.4	46.4	69.6



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

Manual Integrations APPROVED

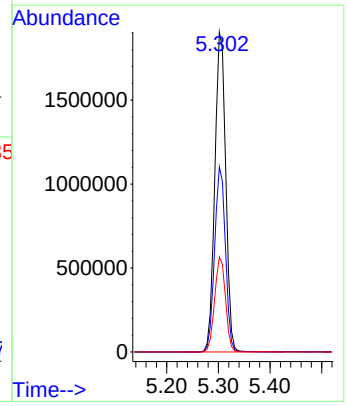
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

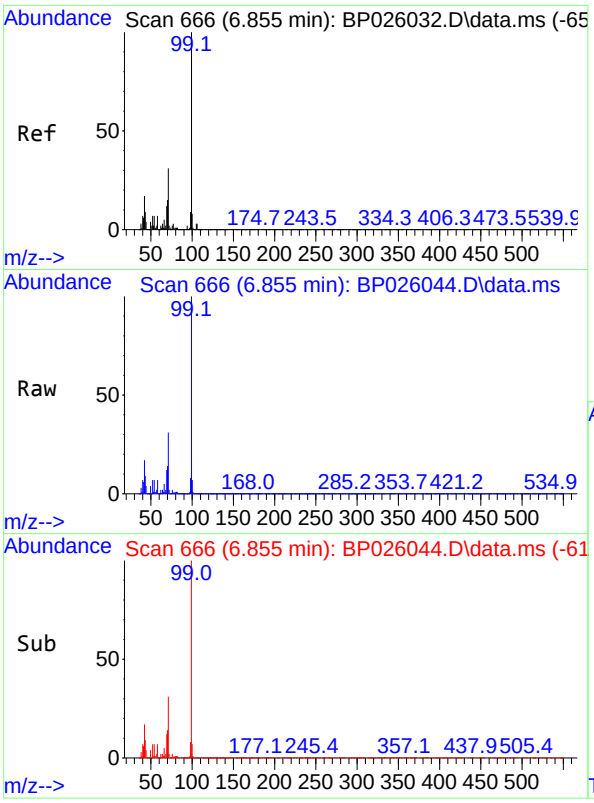


#5
2-Fluorophenol
Concen: 122.263 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:112 Resp: 2791444

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.4	71.2
63	29.7	24.2	36.4

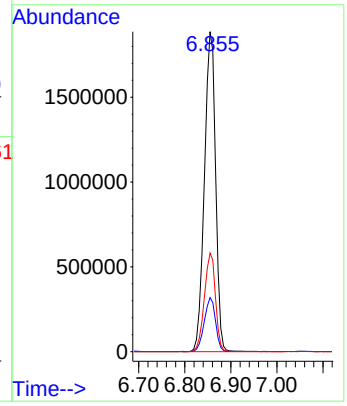




#7
Phenol-d6
Concen: 109.899 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 99 Resp: 319365

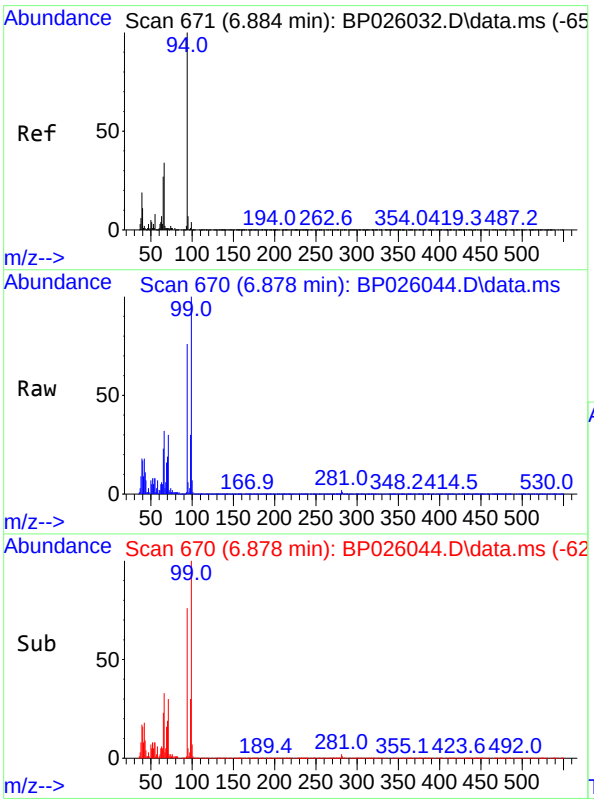
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	30.8	24.4	36.6



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

Manual Integrations APPROVED

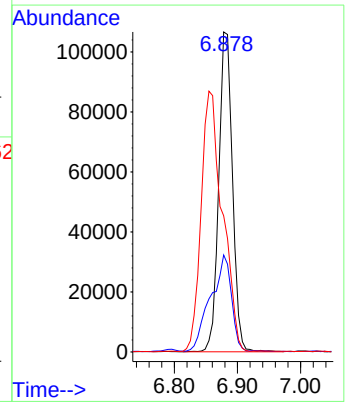
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

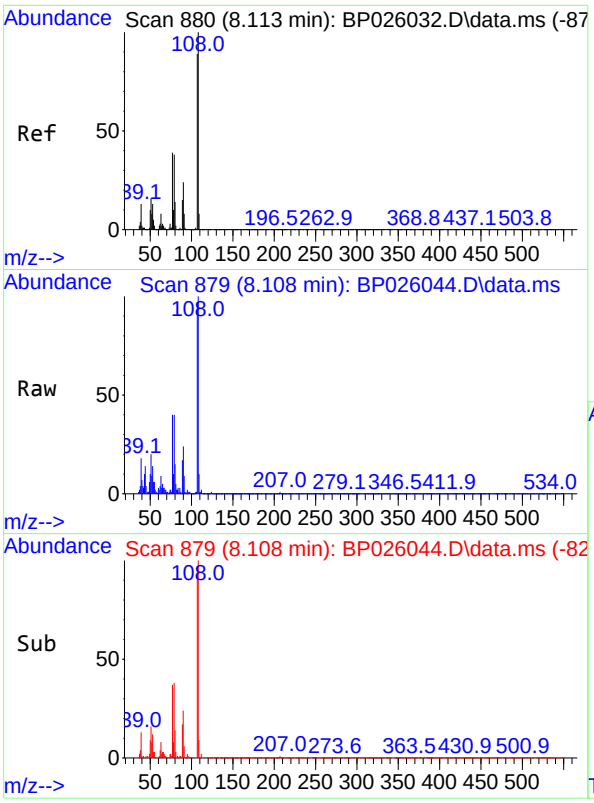


#10
Phenol
Concen: 4.989 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 94 Resp: 160948

Ion	Ratio	Lower	Upper
94	100		
65	30.3	7.1	47.1
66	42.5	14.4	54.4

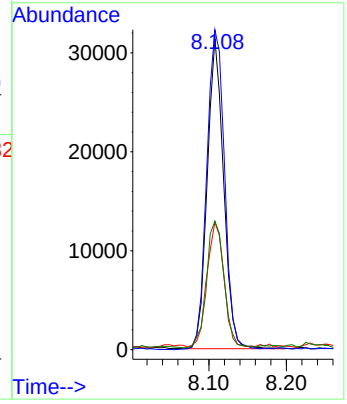




#17
2-Methylphenol
Concen: 2.177 ng
RT: 8.108 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:107 Resp: 4598

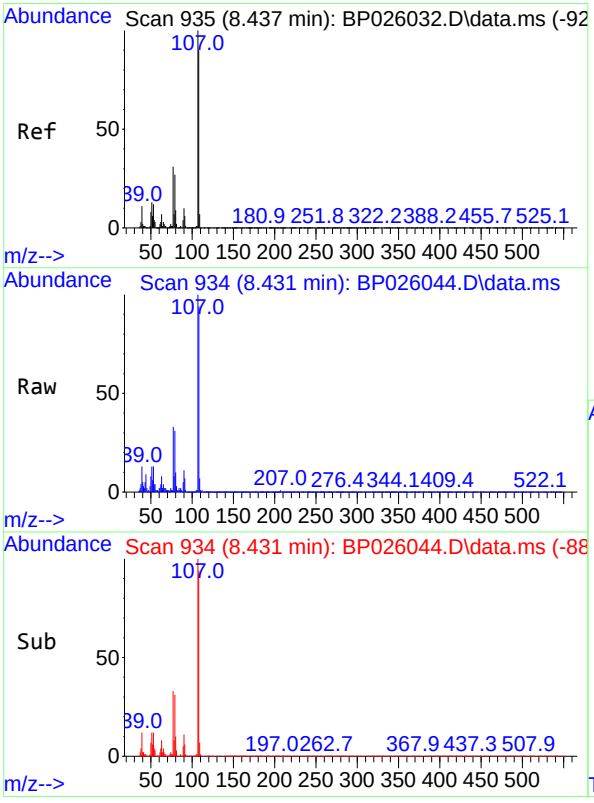
Ion	Ratio	Lower	Upper
107	100		
108	103.0	89.8	134.8
77	41.0	34.8	52.2
79	41.4	33.8	50.6



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

Manual Integrations
APPROVED

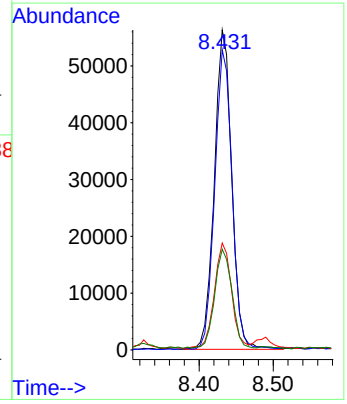
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

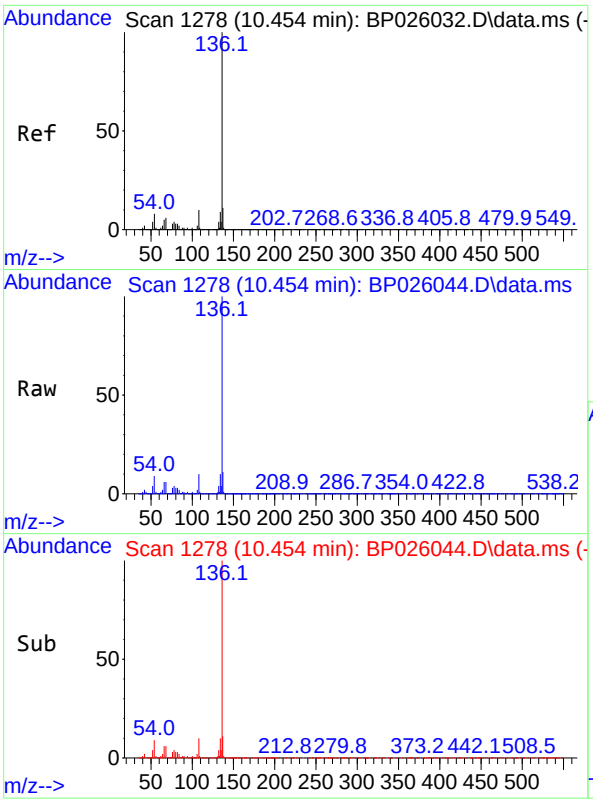


#20
3+4-Methylphenols
Concen: 3.128 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.011 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:107 Resp: 91930

Ion	Ratio	Lower	Upper
107	100		
108	93.8	70.1	110.1
77	33.4	10.7	50.7
79	31.4	6.9	46.9

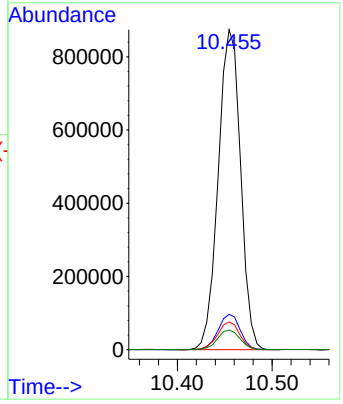




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

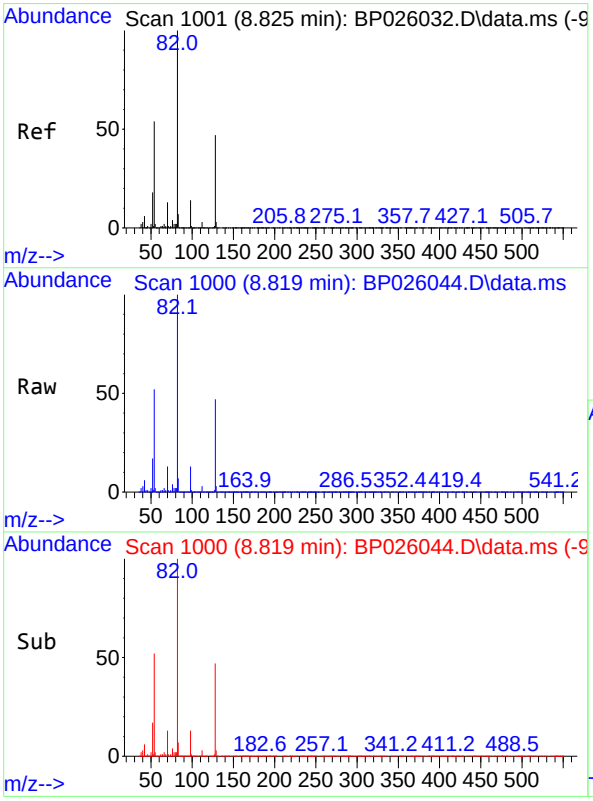
Tgt Ion:136 Resp: 143263

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.7	6.6	10.0
68	6.1	4.7	7.1



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

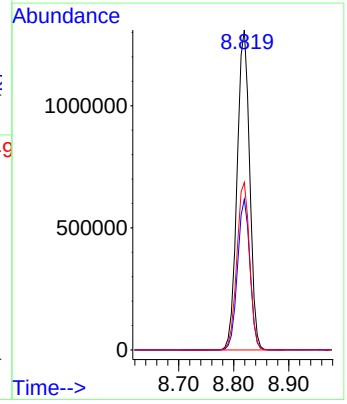
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

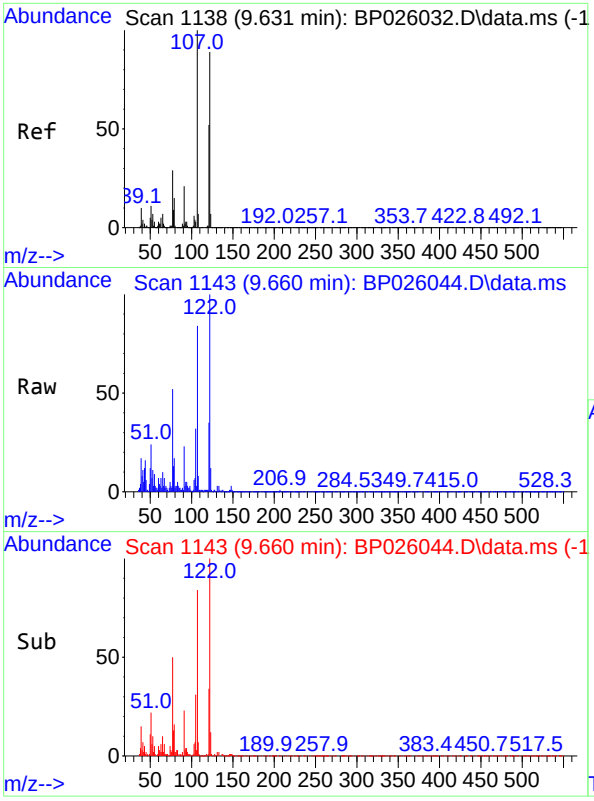


#23
Nitrobenzene-d5
Concen: 90.481 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 82 Resp: 2079334

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.0
54	52.4	42.7	64.1

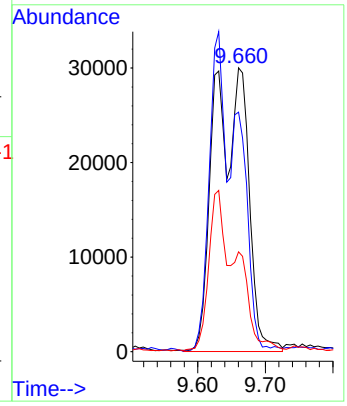




#27
2,4-Dimethylphenol
Concen: 5.094 ng m
RT: 9.660 min Scan# 1
Delta R.T. 0.030 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:122 Resp: 10537

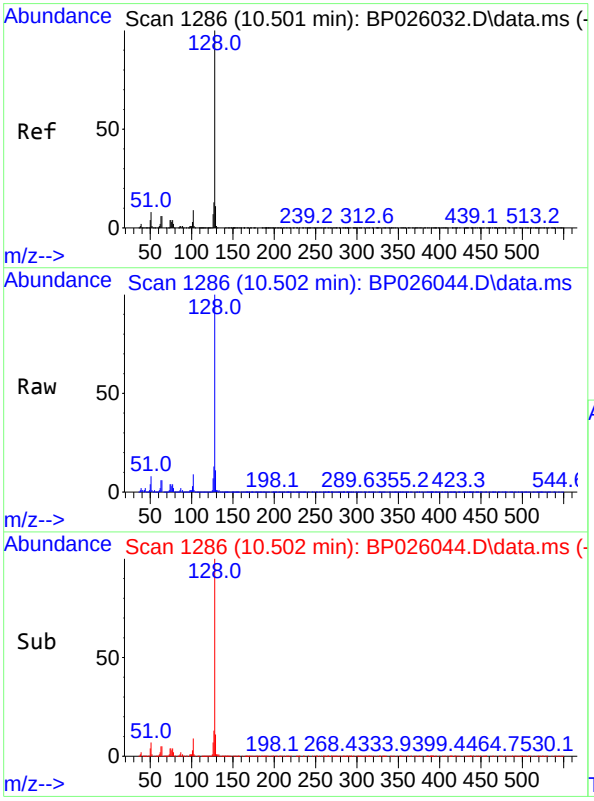
Ion	Ratio	Lower	Upper
122	100		
107	84.4	89.2	133.8#
121	35.1	46.3	69.5#



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

Manual Integrations APPROVED

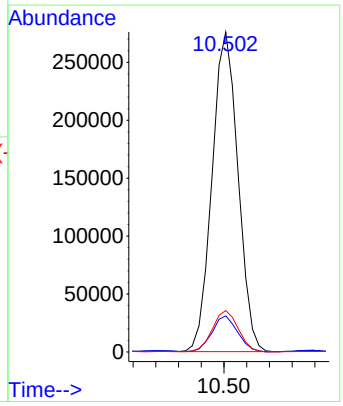
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

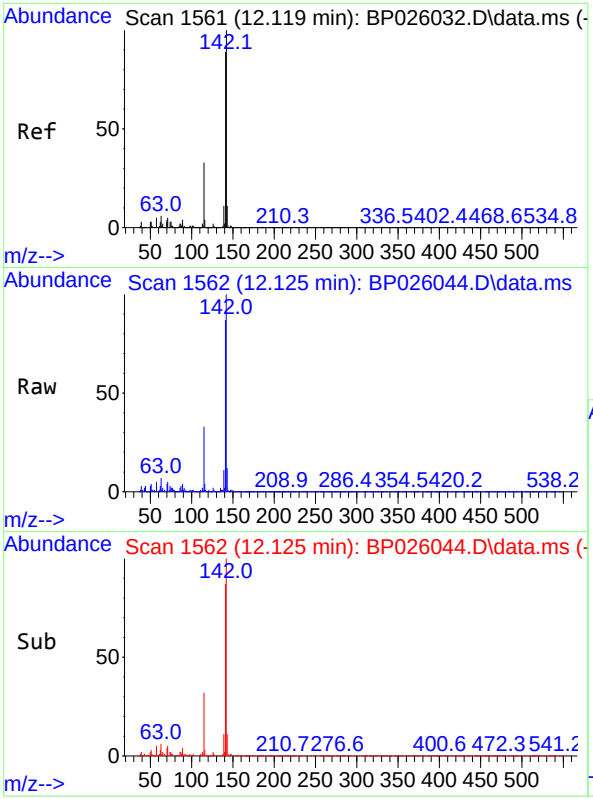


#31
Naphthalene
Concen: 5.591 ng
RT: 10.502 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:128 Resp: 436821

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.0	10.5	15.7

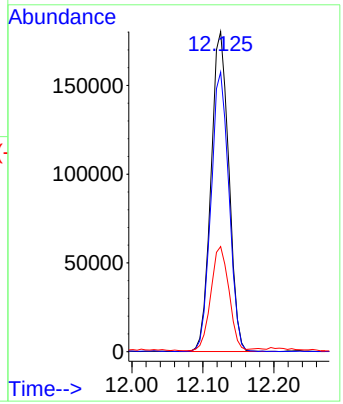




#37
2-Methylnaphthalene
Concen: 5.722 ng
RT: 12.125 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

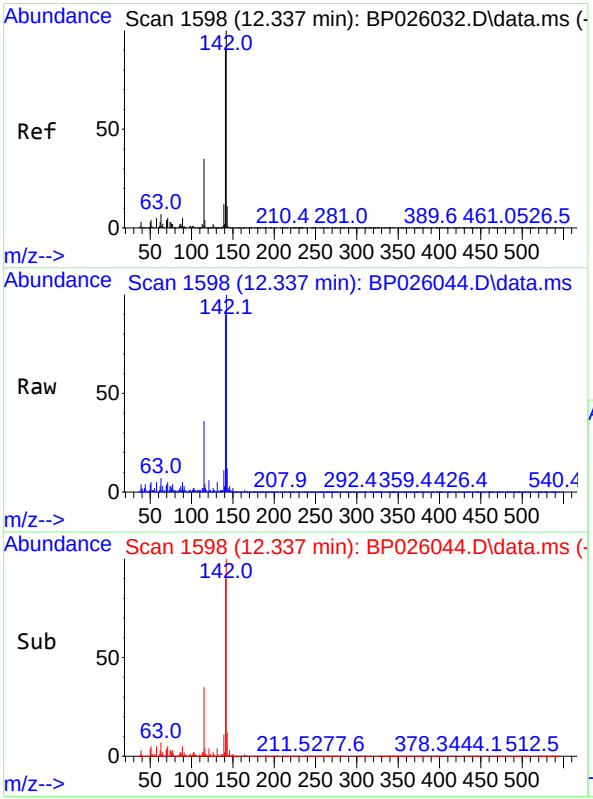
Tgt Ion:142 Resp: 31288

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.6	107.4
115	32.8	26.6	39.8



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

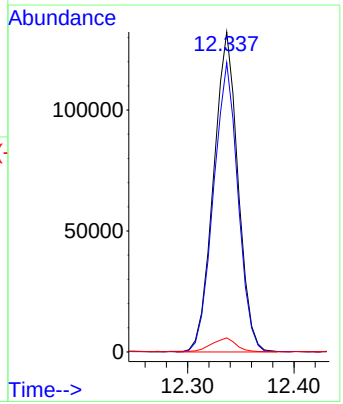
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

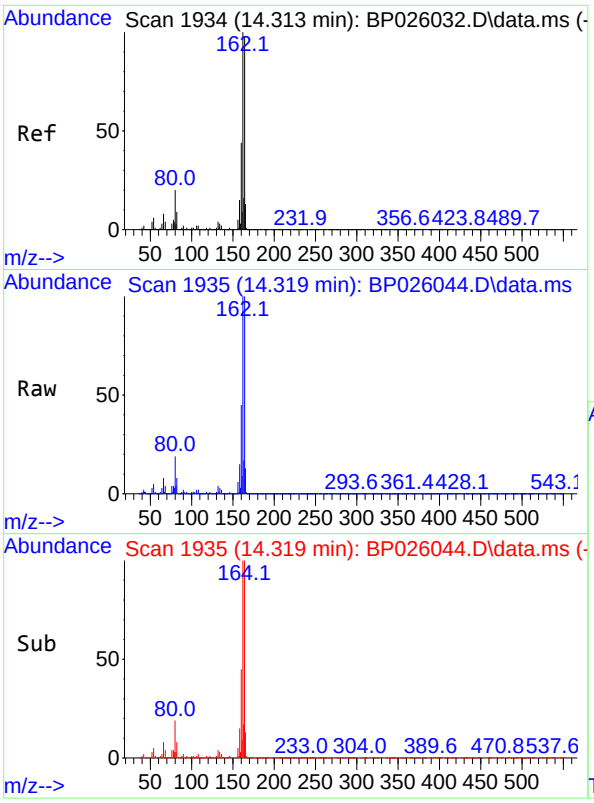


#38
1-Methylnaphthalene
Concen: 3.981 ng m
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:142 Resp: 211450

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.7	109.1
116	4.4	2.9	4.3#

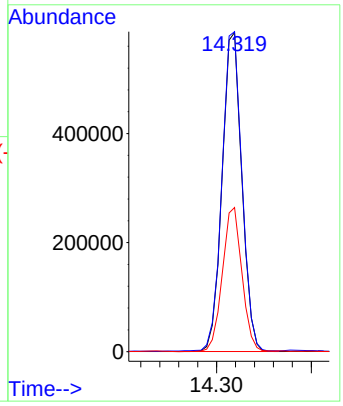




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:164 Resp: 84394

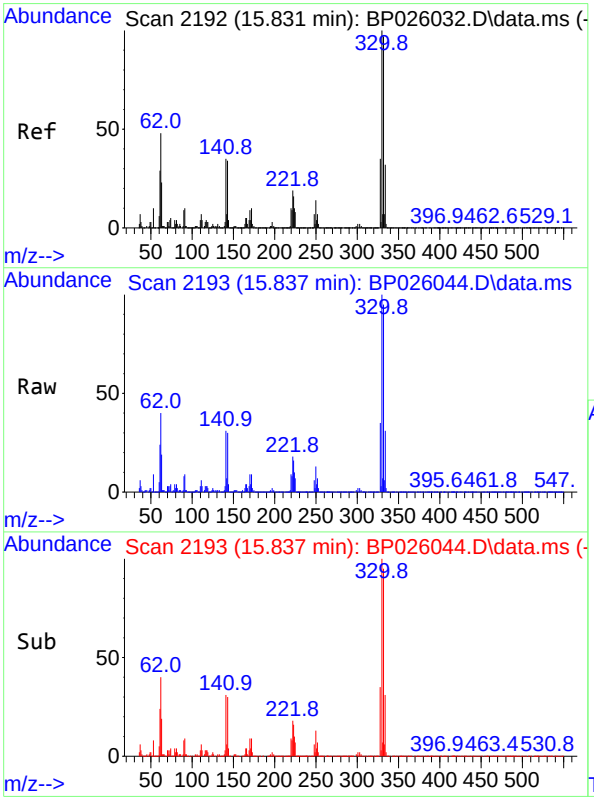
Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.5	122.3
160	45.2	36.2	54.4



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

Manual Integrations APPROVED

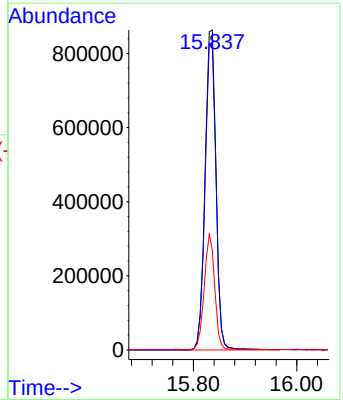
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

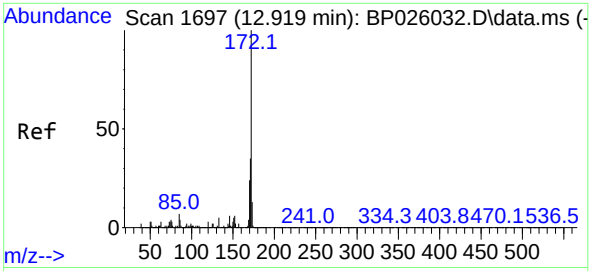


#42
2,4,6-Tribromophenol
Concen: 139.443 ng
RT: 15.837 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:330 Resp: 1272263

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	34.2	28.6	42.8





#45
2-Fluorobiphenyl
Concen: 84.579 ng
RT: 12.931 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

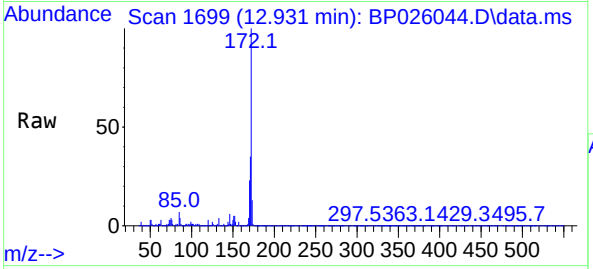
Tgt Ion:172 Resp: 496756(

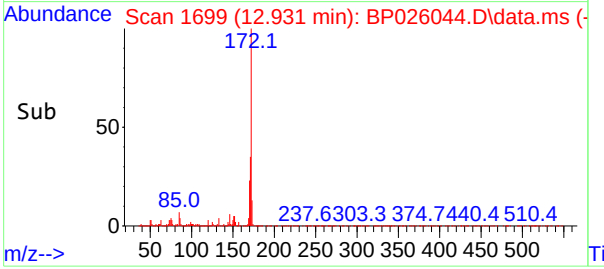
Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.9	41.9
170	23.3	19.0	28.4

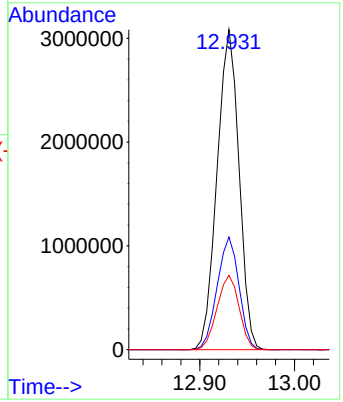
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

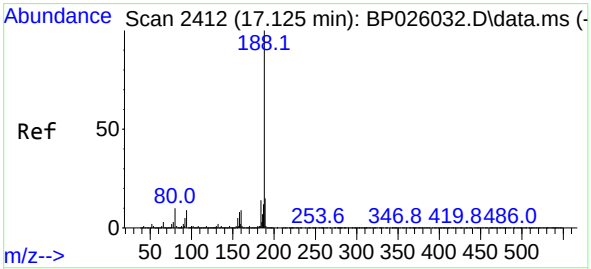
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025





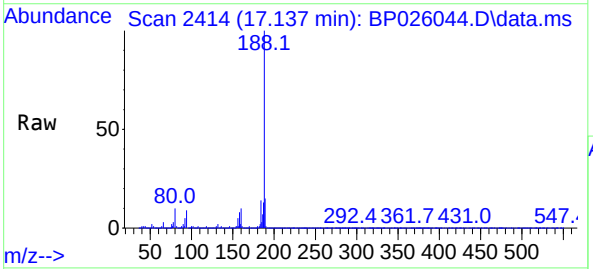


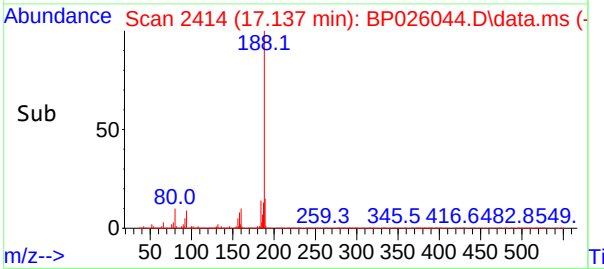


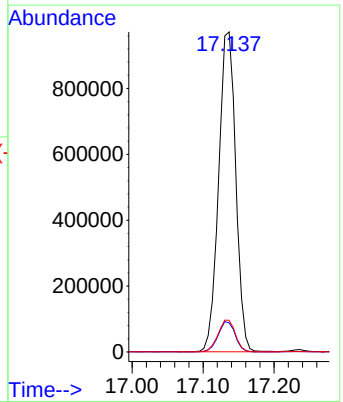
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 2414
Delta R.T. 0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

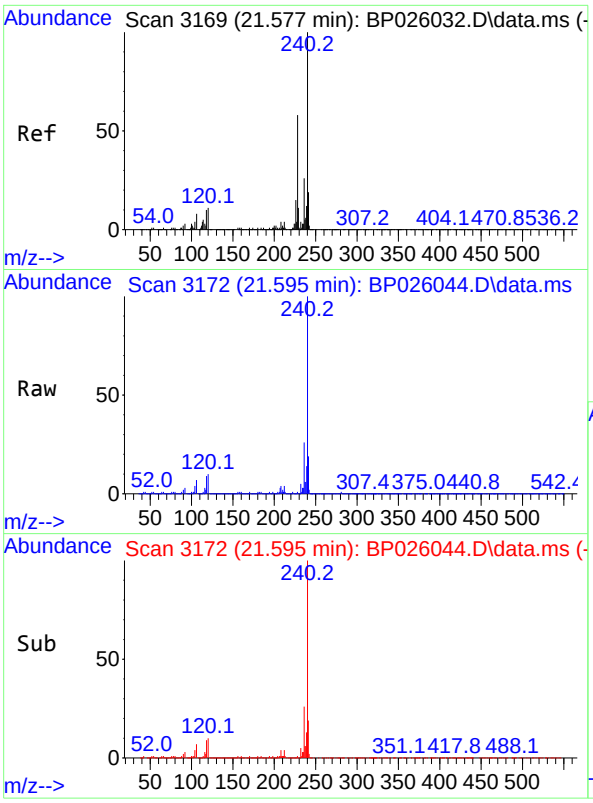
Tgt Ion:188 Resp: 1620982

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	9.9	7.9	11.9





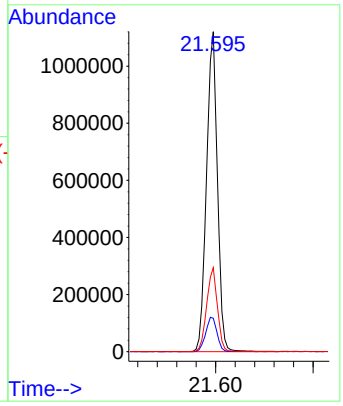




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3
Delta R.T. 0.030 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

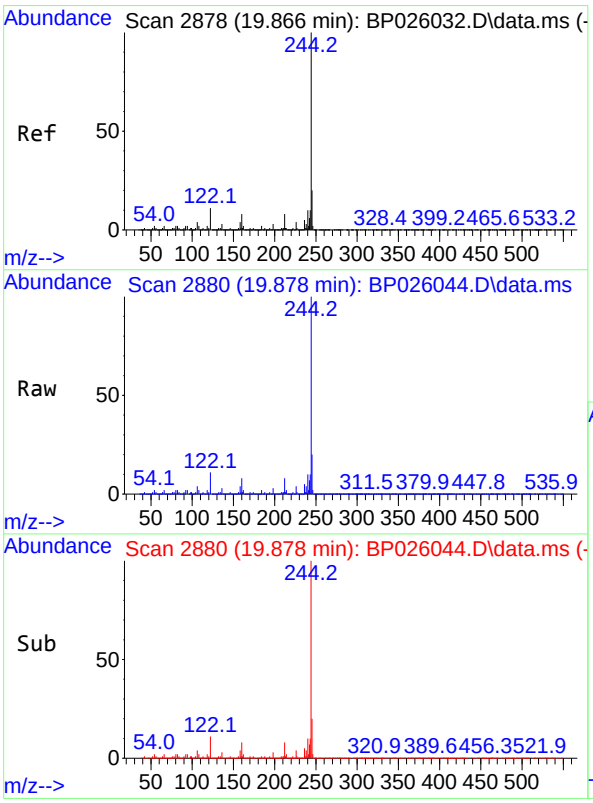
Tgt Ion:240 Resp: 173092

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	26.2	20.6	31.0



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

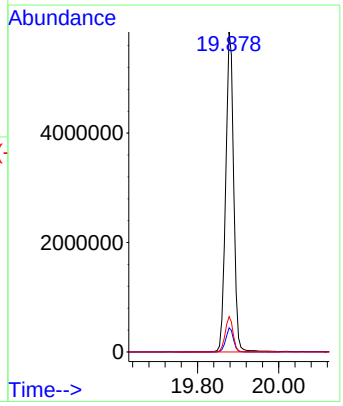
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

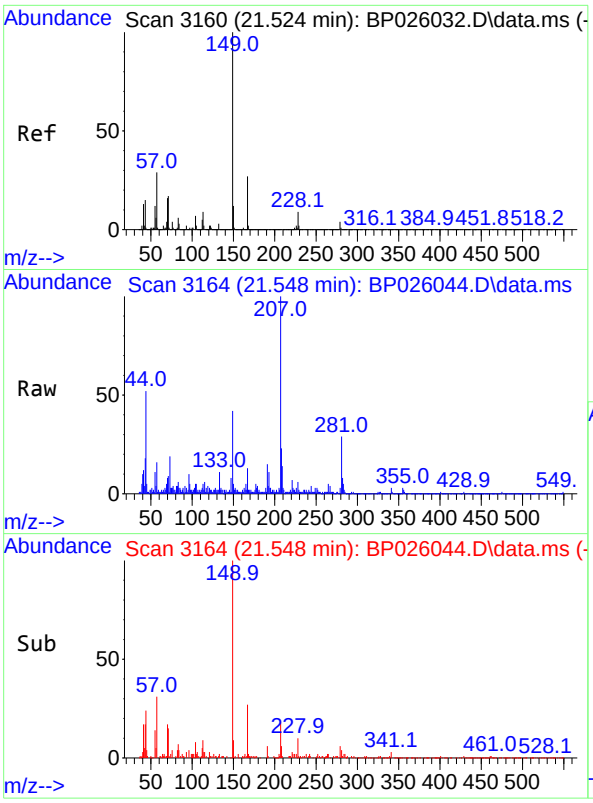


#79
Terphenyl-d14
Concen: 94.137 ng
RT: 19.878 min Scan# 2880
Delta R.T. 0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:244 Resp: 8020127

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	11.1	9.0	13.6

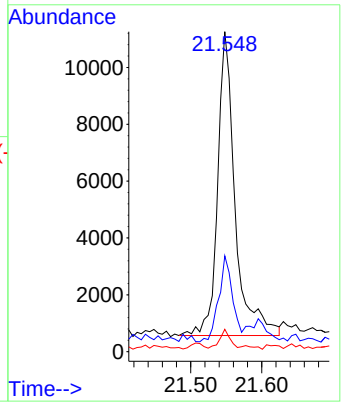




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.845 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.030 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:149 Resp: 1824

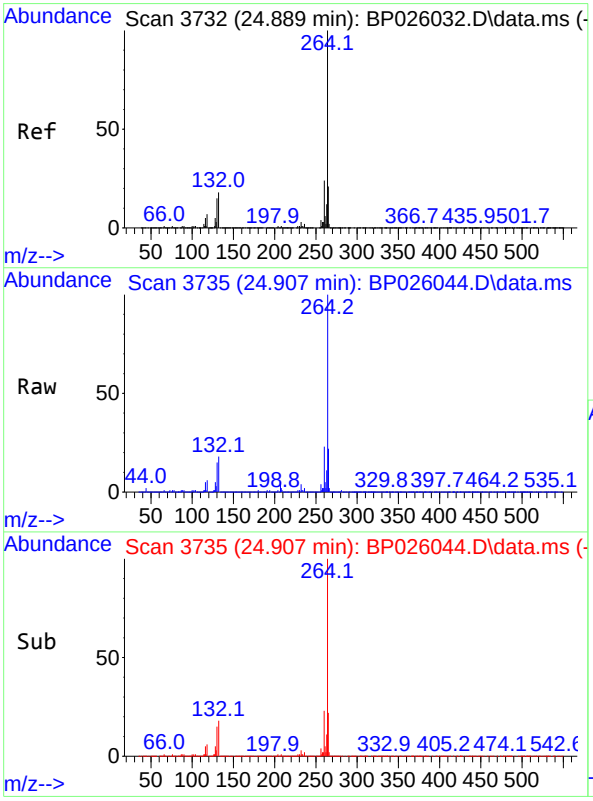
Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.5	32.3
279	7.0	3.0	4.6



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

Manual Integrations APPROVED

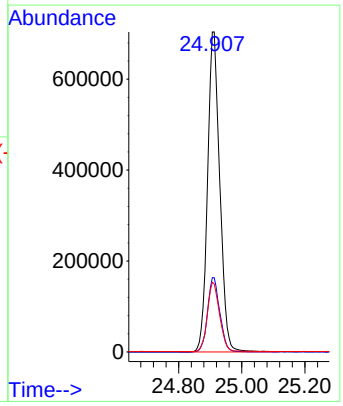
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.024 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:264 Resp: 1889761

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.7	17.2	25.8



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-TW2-251023-01			SDG No.:	Q3447
Lab Sample ID:	Q3447-04			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/30/25 16:23	PB170267
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/30/25 16:23	PB170267
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/30/25 16:23	PB170267
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/30/25 16:23	PB170267
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/30/25 16:23	PB170267
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/30/25 16:23	PB170267
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/30/25 16:23	PB170267
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/30/25 16:23	PB170267
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/30/25 16:23	PB170267
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/30/25 16:23	PB170267
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/30/25 16:23	PB170267
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/30/25 16:23	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	123			23 - 138	82%	SPK: 150		
13127-88-3	Phenol-d6	111			10 - 134	74%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.5			67 - 132	91%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.7			52 - 132	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	148			44 - 137	99%	SPK: 150		
1718-51-0	Terphenyl-d14	96.8			42 - 152	97%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	364000							
1146-65-2	Naphthalene-d8	1420000							
15067-26-2	Acenaphthene-d10	856000							
1517-22-2	Phenanthrene-d10	1770000							
1719-03-5	Chrysene-d12	1800000							
1520-96-3	Perylene-d12	877000							

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_P\Data\BP103025\
Data File : BP026045.D
Acq On : 30 Oct 2025 16:23
Operator : RC/JU
Sample : Q3447-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 30 16:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

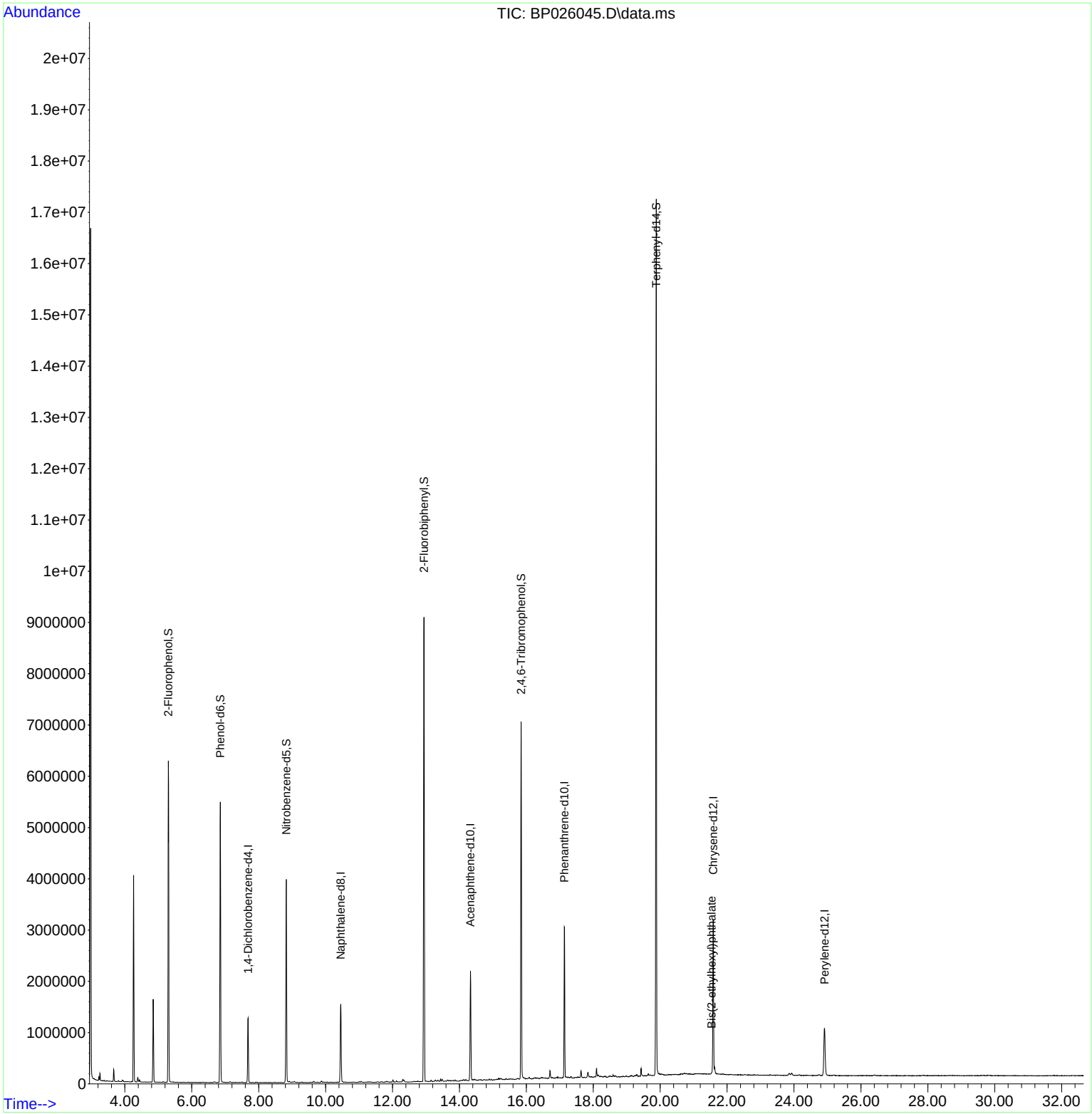
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	363836	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1417735	20.000	ng	0.00
39) Acenaphthene-d10	14.331	164	855859	20.000	ng	0.01
64) Phenanthrene-d10	17.136	188	1766660	20.000	ng	0.01
76) Chrysene-d12	21.589	240	1797152	20.000	ng	0.02
86) Perylene-d12	24.912	264	877217	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2715620	123.161	ng	0.00
7) Phenol-d6	6.854	99	3104808	110.631	ng	0.00
23) Nitrobenzene-d5	8.825	82	2058853	90.531	ng	0.00
42) 2,4,6-Tribromophenol	15.848	330	1370195	148.086	ng	0.02
45) 2-Fluorobiphenyl	12.942	172	5046038	84.719	ng	0.01
79) Terphenyl-d14	19.883	244	8565276	96.831	ng	0.02
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.536	149	15458	2.799	ng	# 96

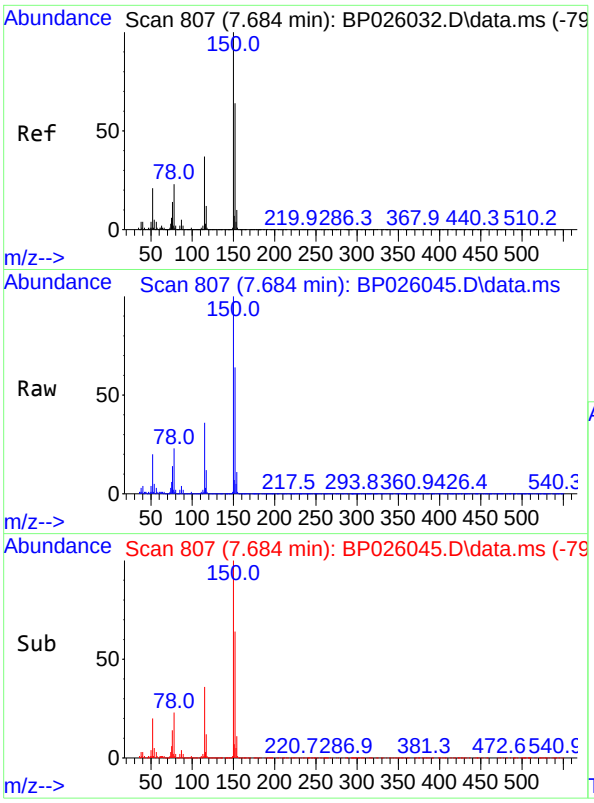
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026045.D
Acq On : 30 Oct 2025 16:23
Operator : RC/JU
Sample : Q3447-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 30 16:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



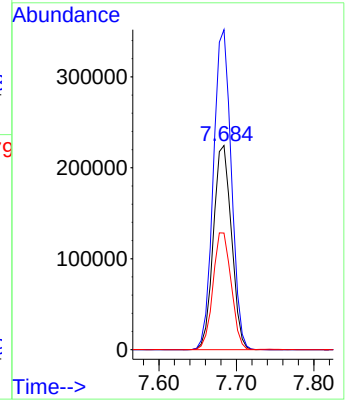


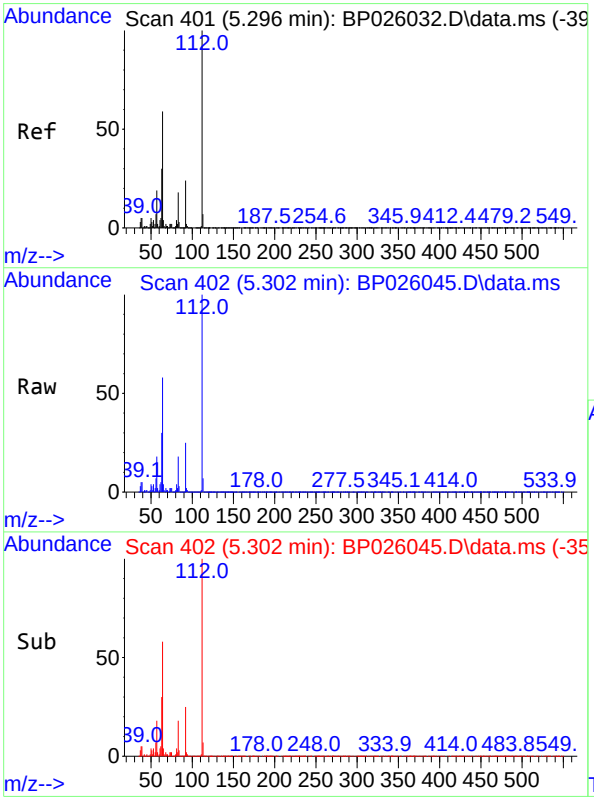
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion:152 Resp: 363836

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.7	188.5
115	57.2	46.4	69.6

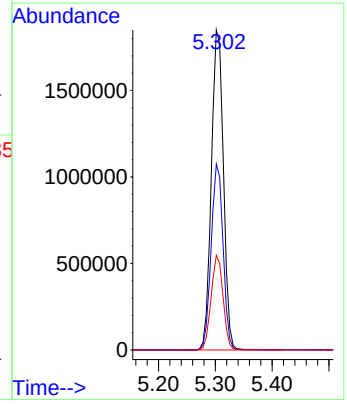


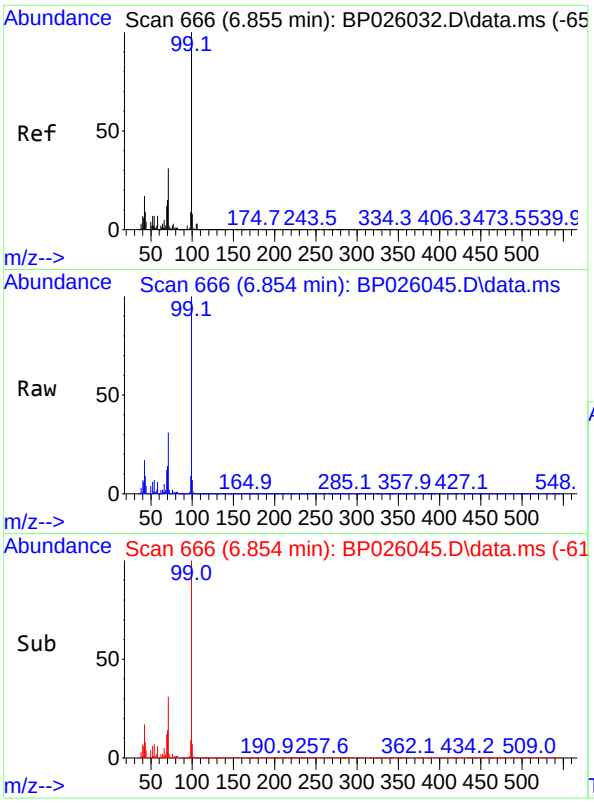


#5
2-Fluorophenol
Concen: 123.161 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:112 Resp: 2715620

Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.4	71.2
63	29.5	24.2	36.4



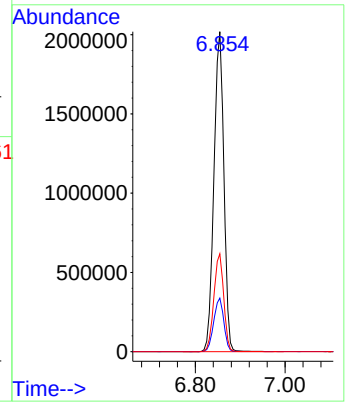


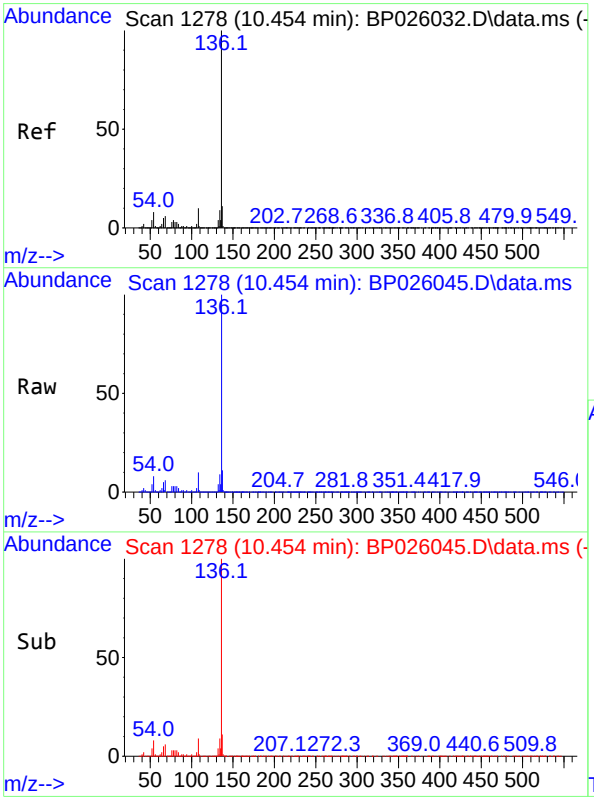
#7
Phenol-d6
Concen: 110.631 ng
RT: 6.854 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion: 99 Resp: 3104808

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	30.6	24.4	36.6

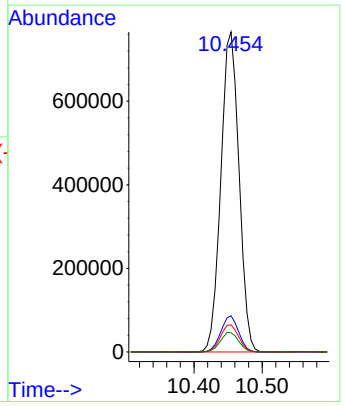


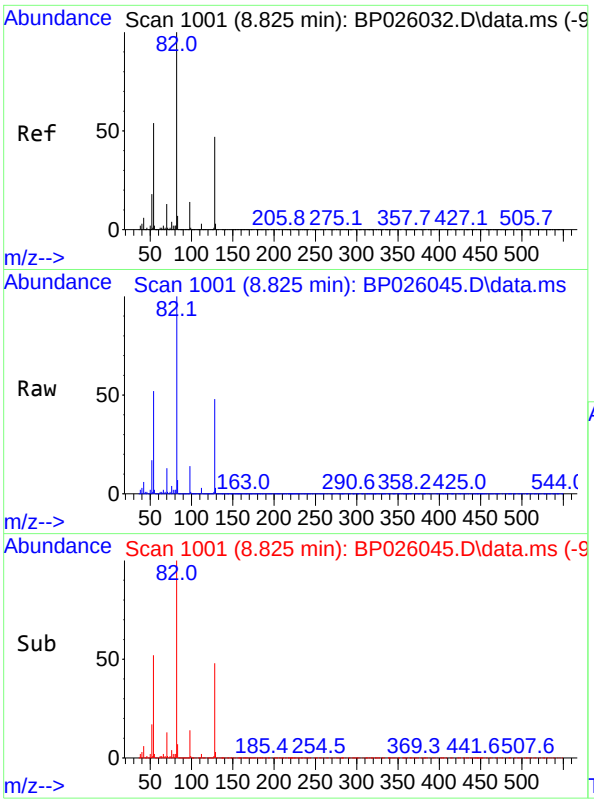


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:136 Resp: 1417735

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.5	6.6	10.0
68	6.0	4.7	7.1



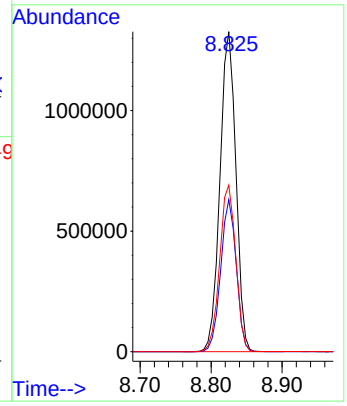


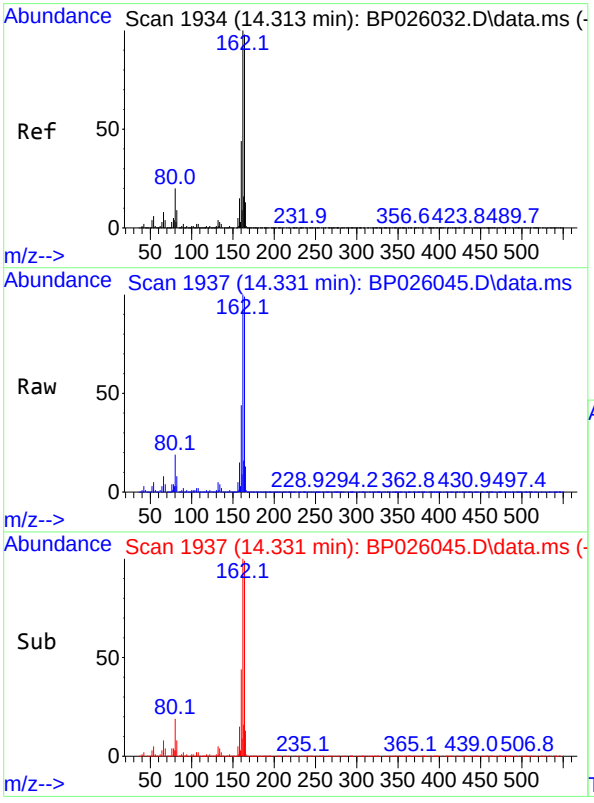
#23
Nitrobenzene-d5
Concen: 90.531 ng
RT: 8.825 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion: 82 Resp: 2058853

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.0
54	52.1	42.7	64.1

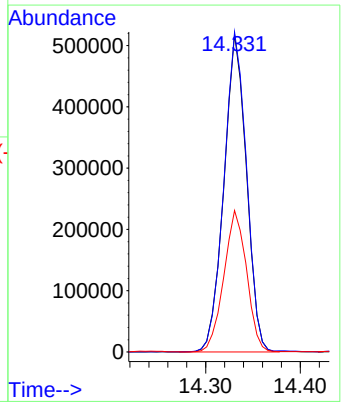


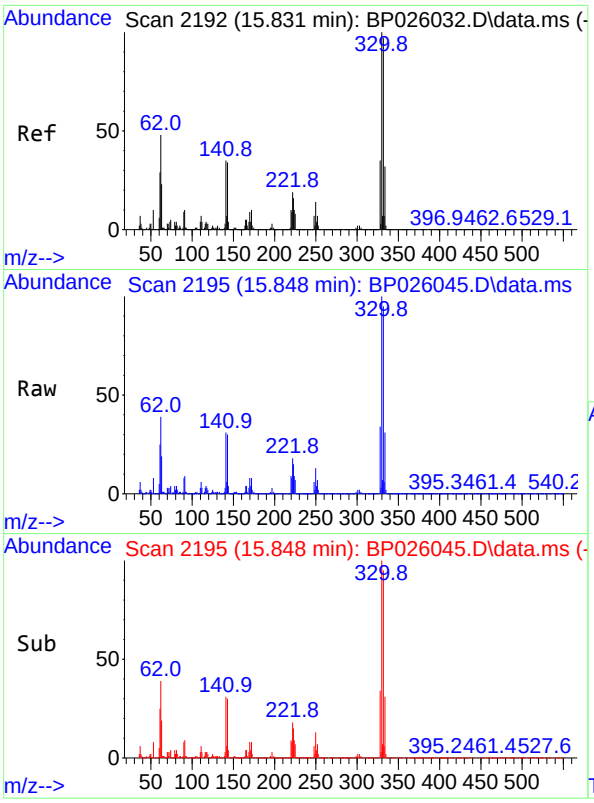


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.331 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:164 Resp: 855859

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.5	122.3
160	44.6	36.2	54.4



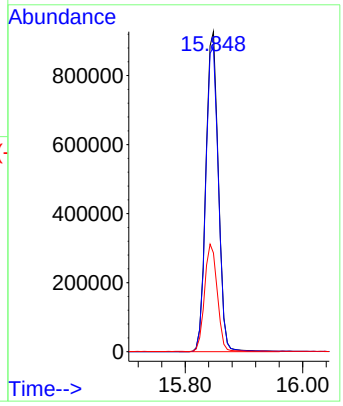


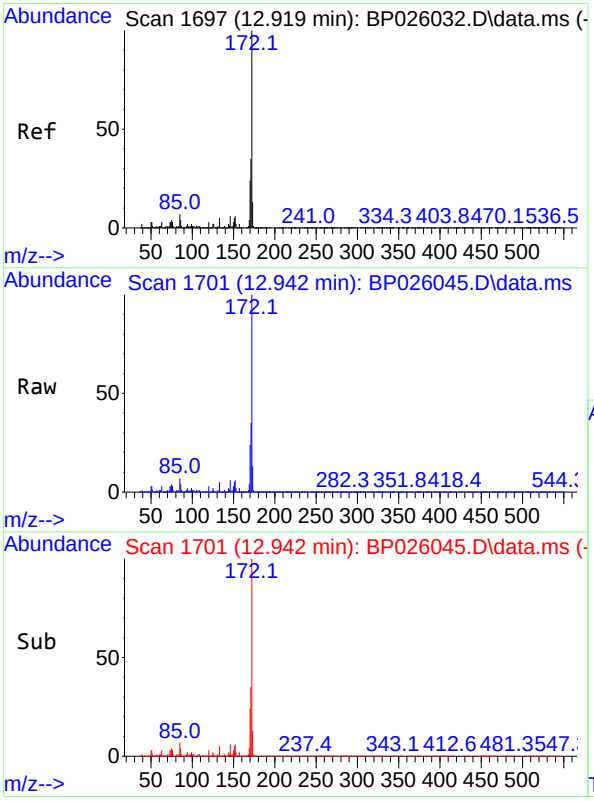
#42
2,4,6-Tribromophenol
Concen: 148.086 ng
RT: 15.848 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion:330 Resp: 1370195

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.0	28.6	42.8

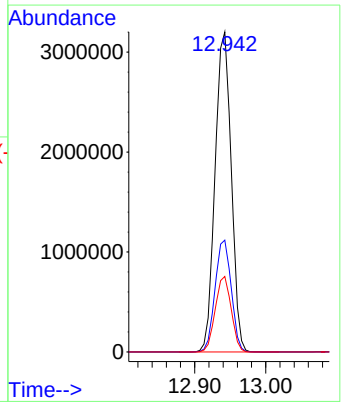


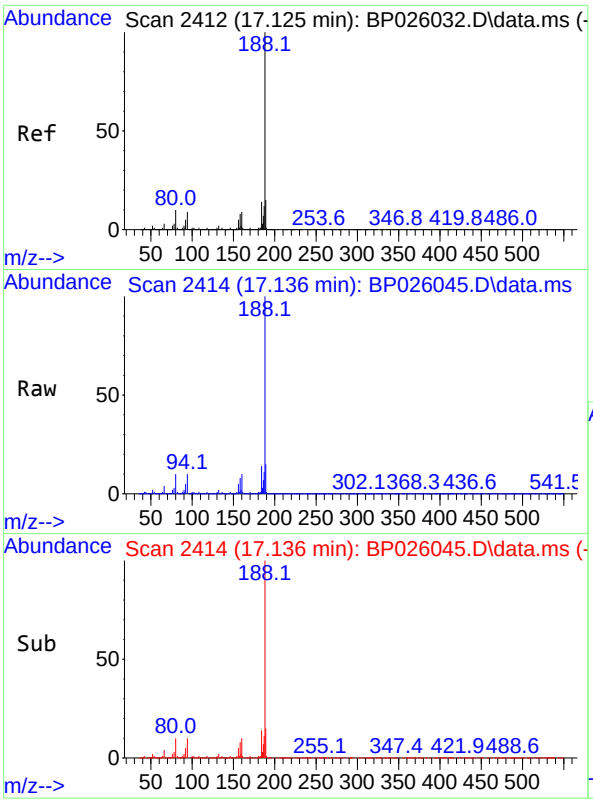


#45
2-Fluorobiphenyl
Concen: 84.719 ng
RT: 12.942 min Scan# 1701
Delta R.T. 0.011 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:172 Resp: 5046038

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.6	19.0	28.4



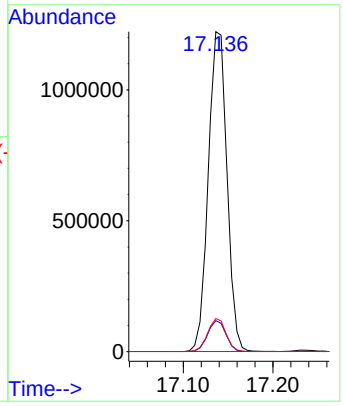


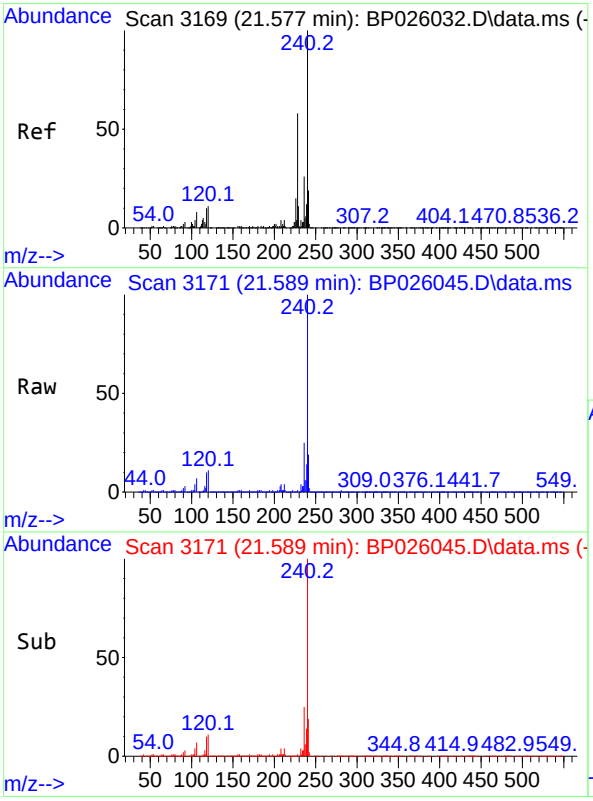
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.136 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion:188 Resp: 1766660

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.1	10.7
80	10.3	7.9	11.9

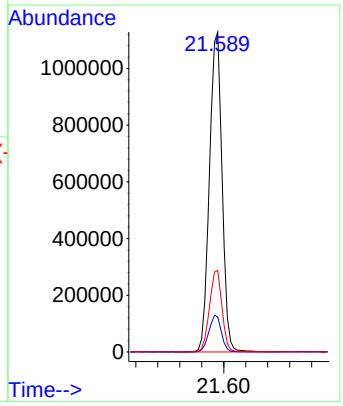


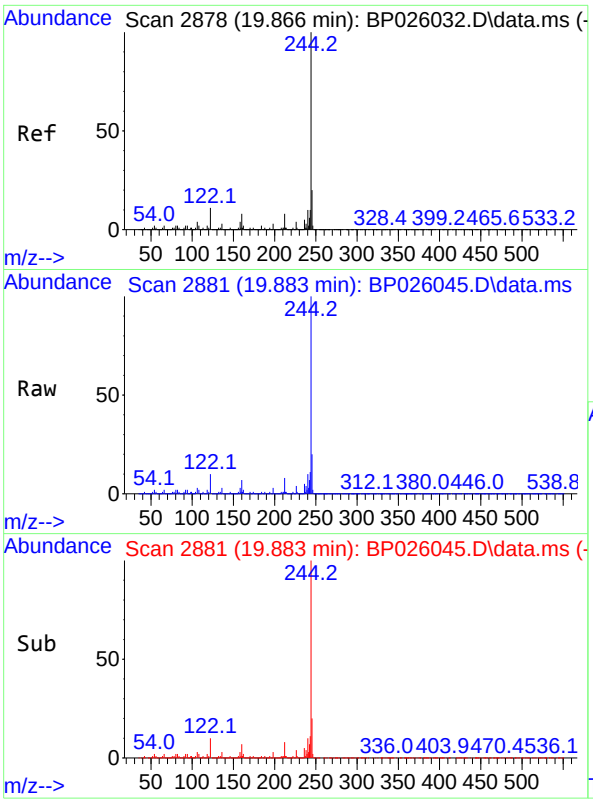


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.024 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:240 Resp: 1797152

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.4	20.6	31.0



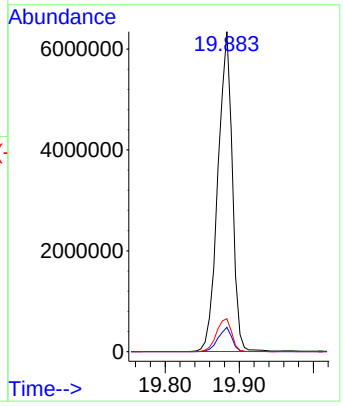


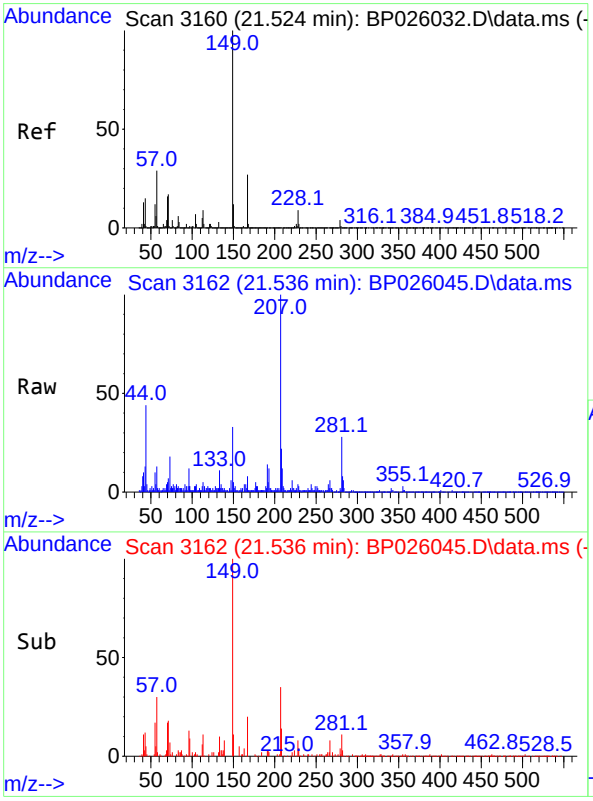
#79
Terphenyl-d14
Concen: 96.831 ng
RT: 19.883 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion:244 Resp: 8565276

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	10.3	9.0	13.6

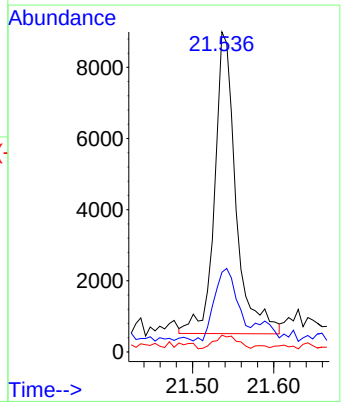


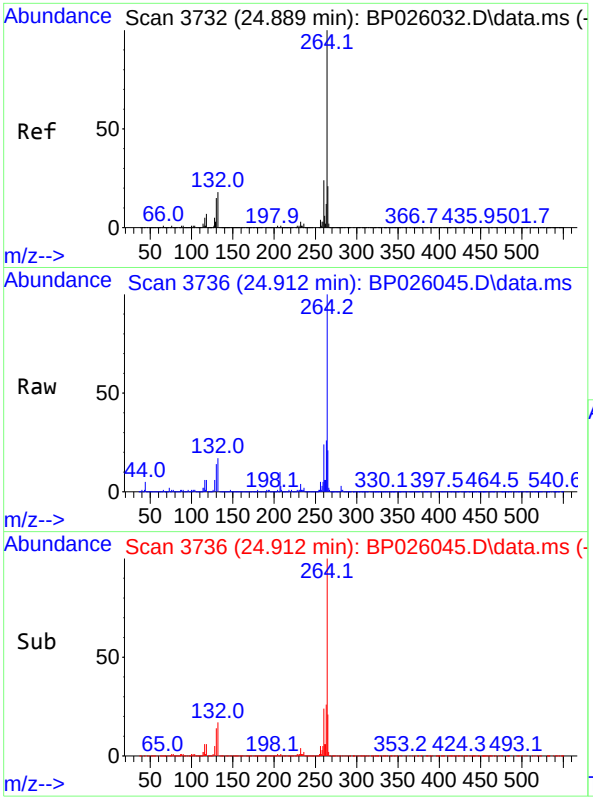


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.799 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.018 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:149 Resp: 15458

Ion	Ratio	Lower	Upper
149	100		
167	24.9	21.5	32.3
279	5.3	3.0	4.6#



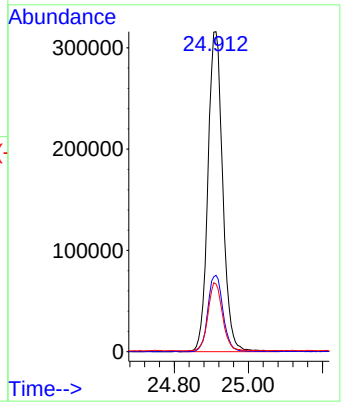


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.912 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

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

Tgt Ion:264 Resp: 877217

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.2	17.2	25.8



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:	Q3447-06			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/29/25 00:09	PB170267
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/29/25 00:09	PB170267
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/29/25 00:09	PB170267
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/29/25 00:09	PB170267
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/29/25 00:09	PB170267
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/29/25 00:09	PB170267
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/29/25 00:09	PB170267
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/29/25 00:09	PB170267
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/29/25 00:09	PB170267
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/29/25 00:09	PB170267
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/29/25 00:09	PB170267
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/29/25 00:09	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	114			23 - 138	76%	SPK: 150		
13127-88-3	Phenol-d6	109			10 - 134	73%	SPK: 150		
4165-60-0	Nitrobenzene-d5	81.8			67 - 132	82%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.3			52 - 132	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	130			44 - 137	87%	SPK: 150		
1718-51-0	Terphenyl-d14	83.6			42 - 152	84%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	74200							
1146-65-2	Naphthalene-d8	289000							
15067-26-2	Acenaphthene-d10	161000							
1517-22-2	Phenanthrene-d10	268000							
1719-03-5	Chrysene-d12	172000							
1520-96-3	Perylene-d12	208000							

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 : BF144119.D
Acq On : 29 Oct 2025 00:09
Operator : RC/JU
Sample : Q3447-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Oct 29 05:49:11 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

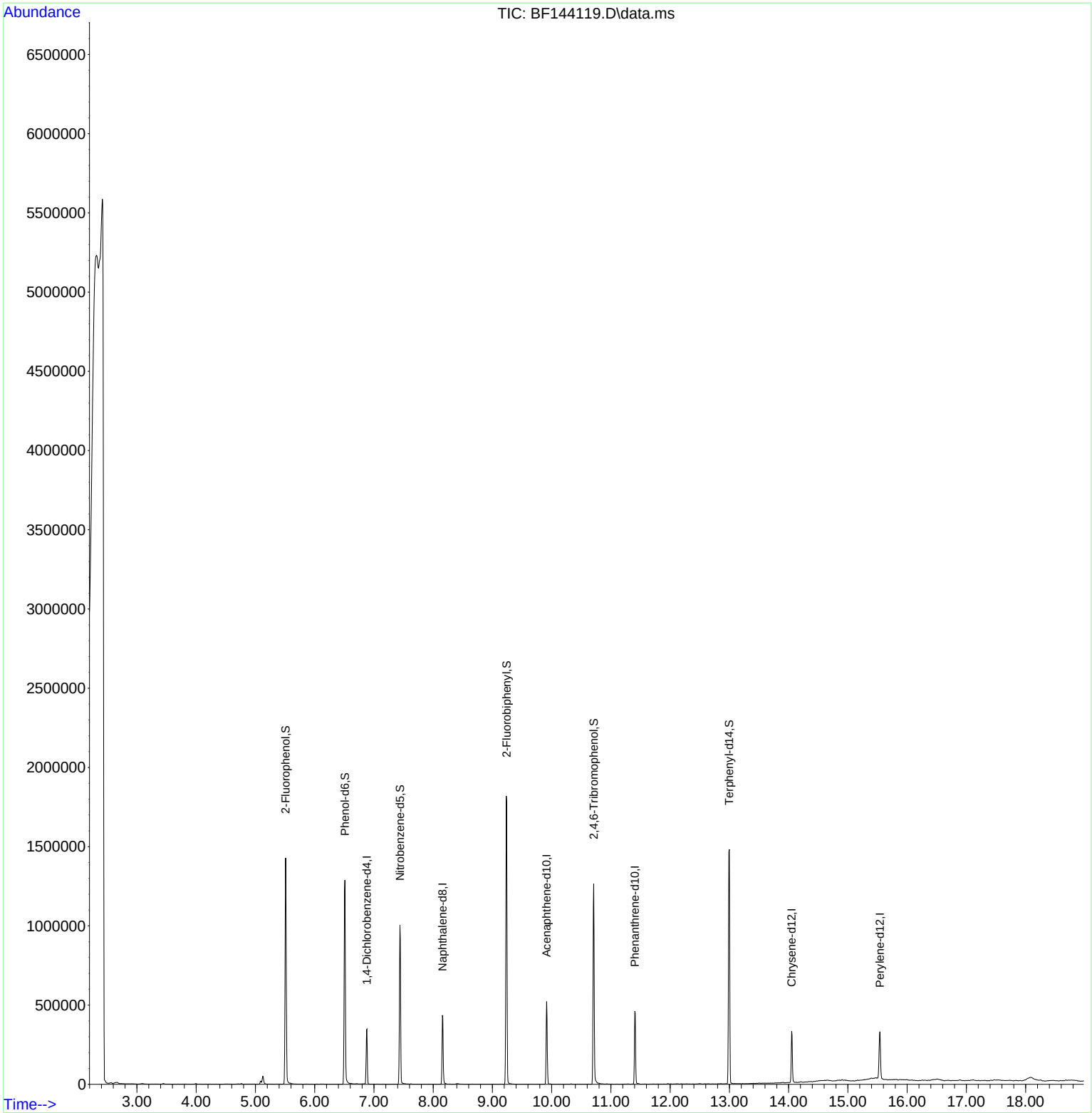
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	288956	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	160721	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	268460	20.000	ng	0.00
76) Chrysene-d12	14.051	240	171657	20.000	ng	0.00
86) Perylene-d12	15.539	264	207654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	533577	113.761	ng	0.02
7) Phenol-d6	6.510	99	564129	108.906	ng	0.00
23) Nitrobenzene-d5	7.440	82	431333	81.782	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	265839	129.850	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	882921	77.306	ng	0.00
79) Terphenyl-d14	12.998	244	820850	83.598	ng	0.00
Target Compounds						Qvalue

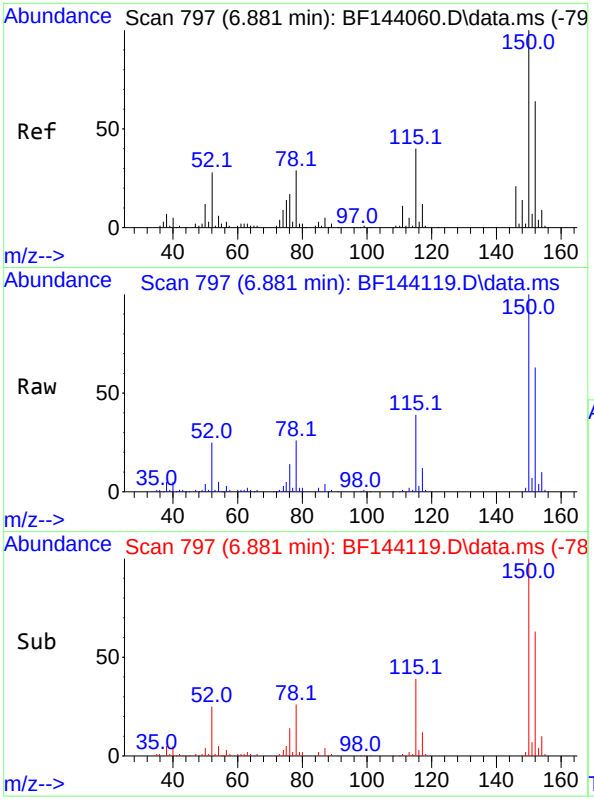
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144119.D
Acq On : 29 Oct 2025 00:09
Operator : RC/JU
Sample : Q3447-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Oct 29 05:49:11 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



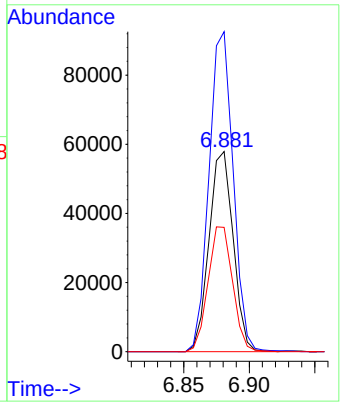


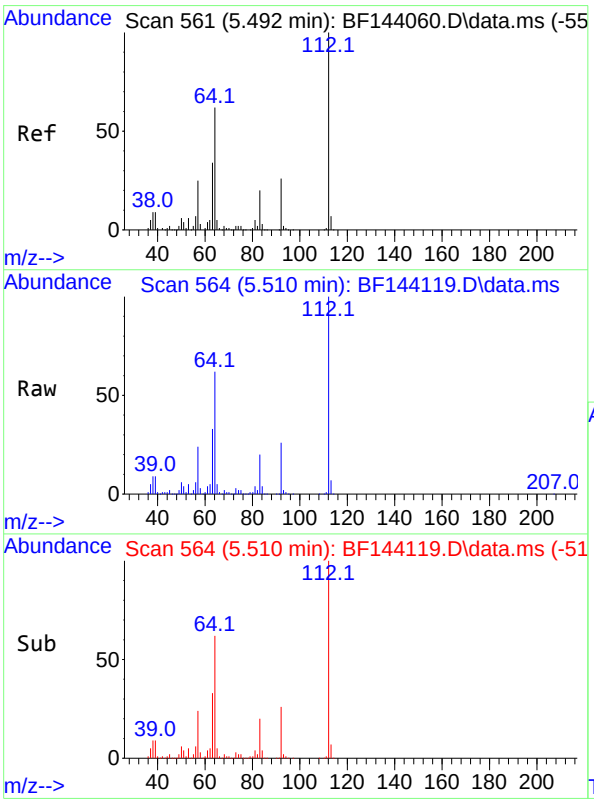
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion:152 Resp: 74206

Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.4	186.6
115	62.1	49.4	74.0

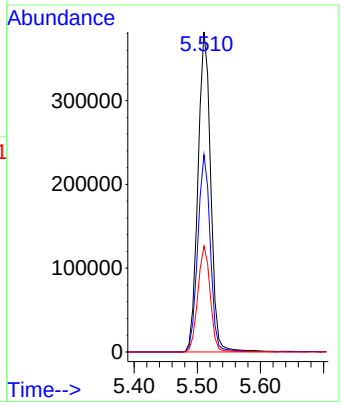


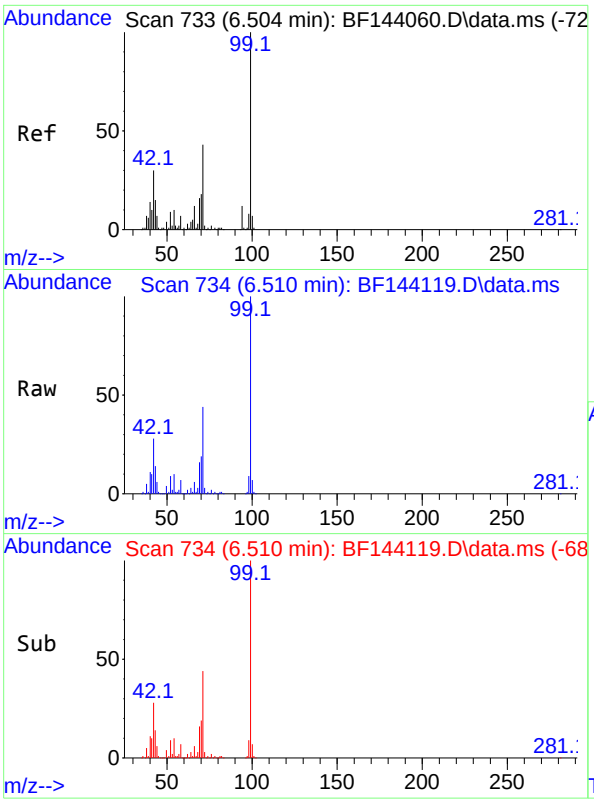


#5
2-Fluorophenol
Concen: 113.761 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:112 Resp: 533577

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.8	74.8
63	33.1	27.4	41.2



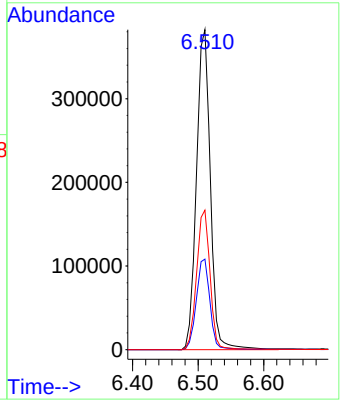


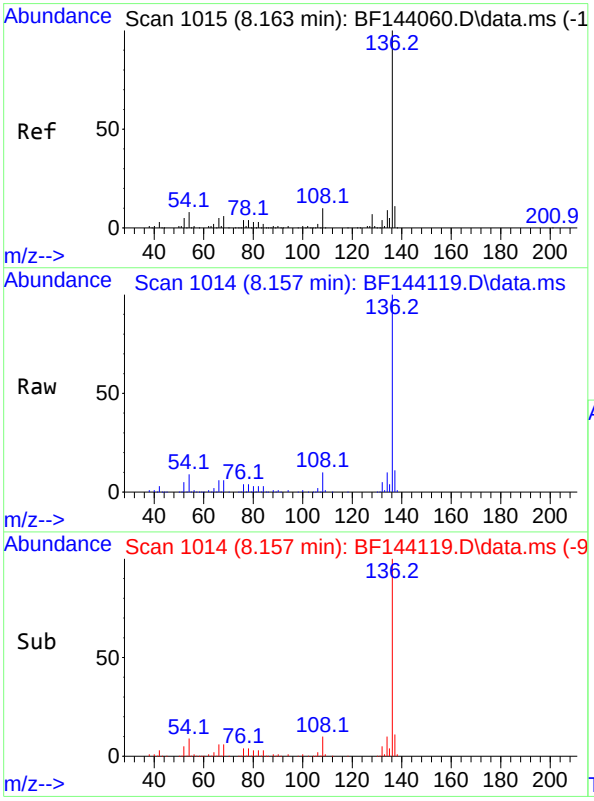
#7
Phenol-d6
Concen: 108.906 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion: 99 Resp: 564129

Ion	Ratio	Lower	Upper
99	100		
42	28.3	23.9	35.9
71	43.6	34.4	51.6

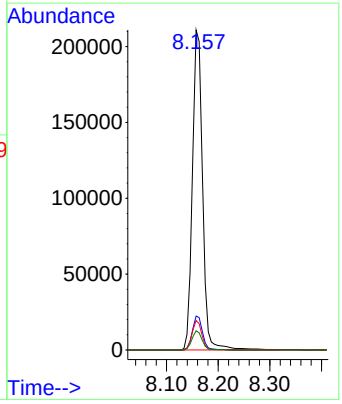


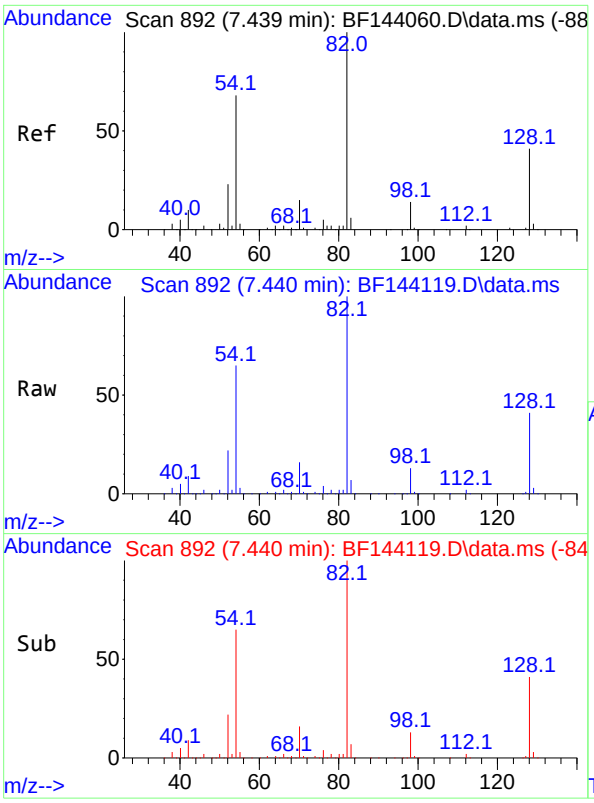


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:136 Resp: 288956

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.2	6.6	9.8
68	6.0	4.6	6.8



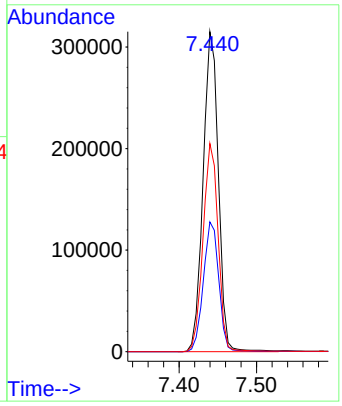


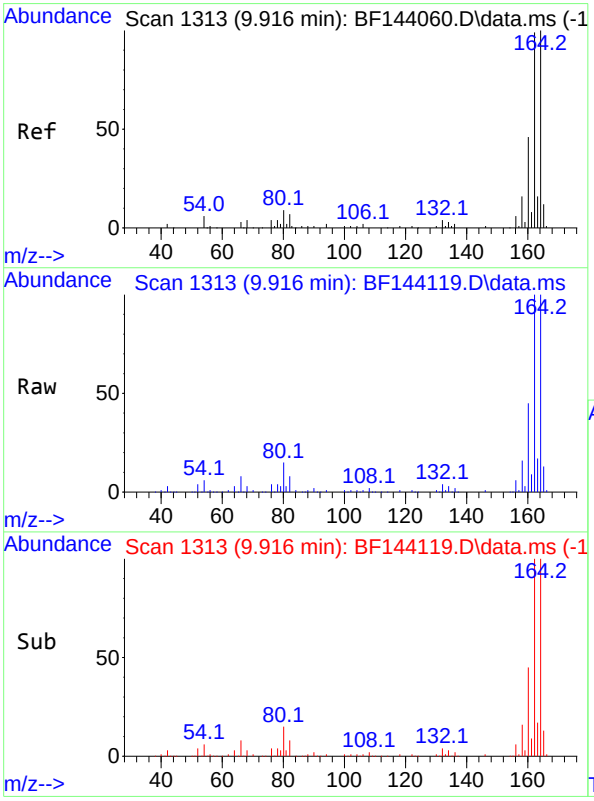
#23
Nitrobenzene-d5
Concen: 81.782 ng
RT: 7.440 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion: 82 Resp: 431333

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.4	48.6
54	65.0	54.0	81.0

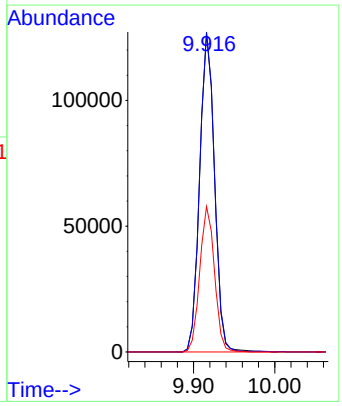


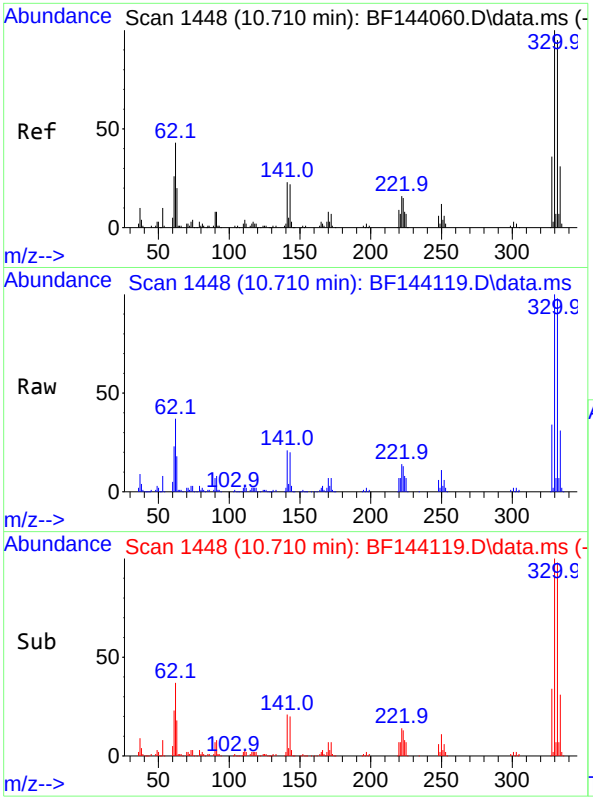


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:164 Resp: 160721

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	45.6	36.7	55.1



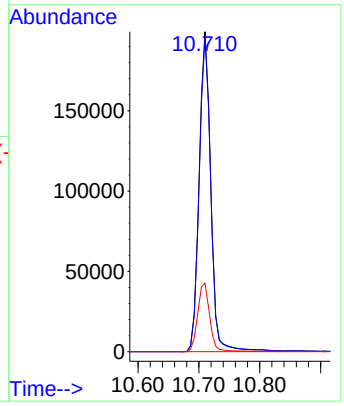


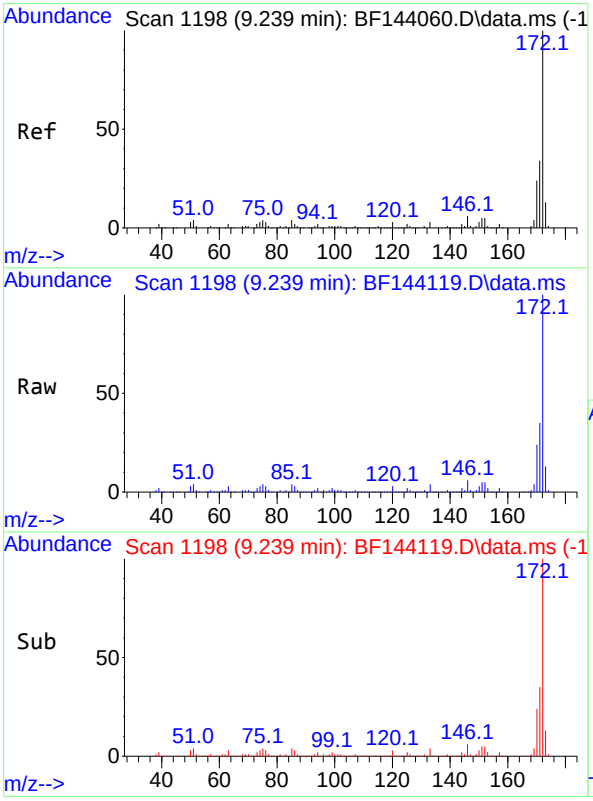
#42
2,4,6-Tribromophenol
Concen: 129.850 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion:330 Resp: 265839

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	22.2	19.4	29.0

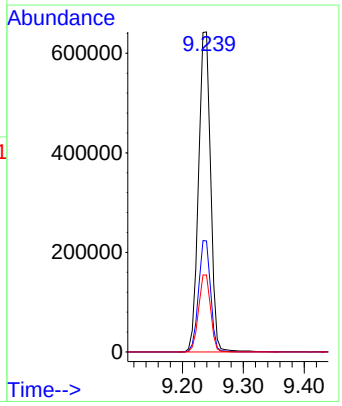


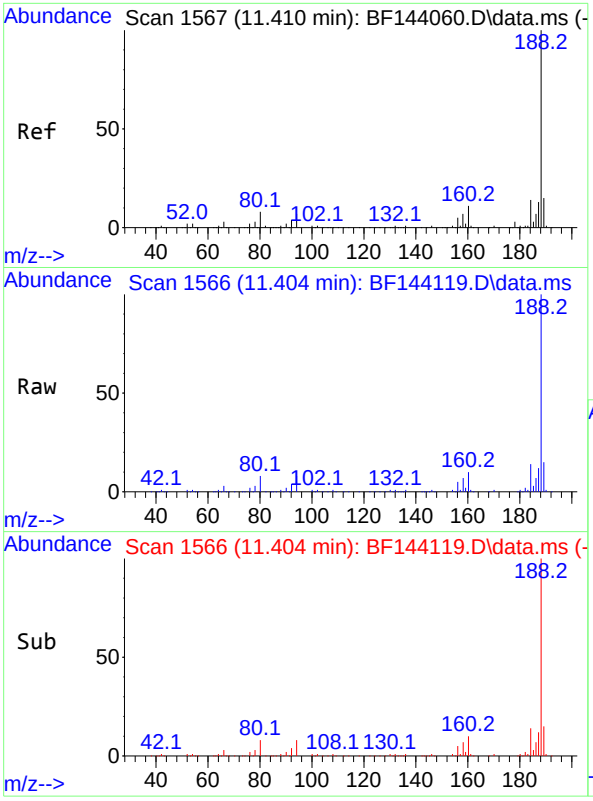


#45
2-Fluorobiphenyl
Concen: 77.306 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:172 Resp: 882921

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	24.1	19.0	28.6



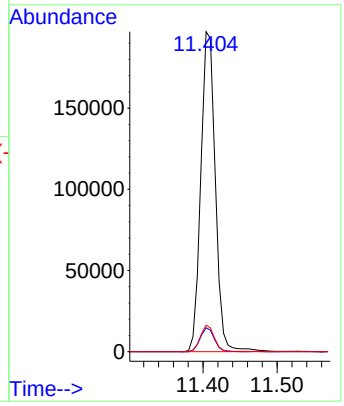


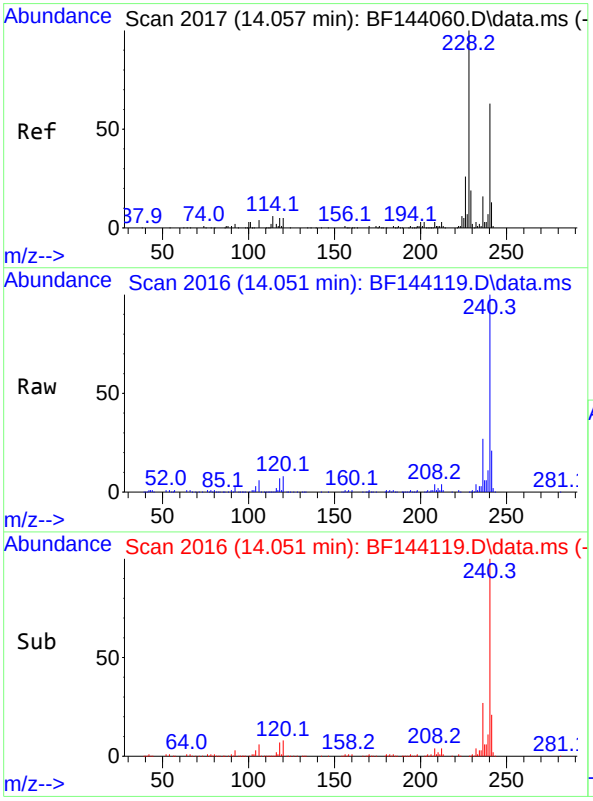
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion:188 Resp: 268460

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.4	8.0
80	8.3	6.0	9.0

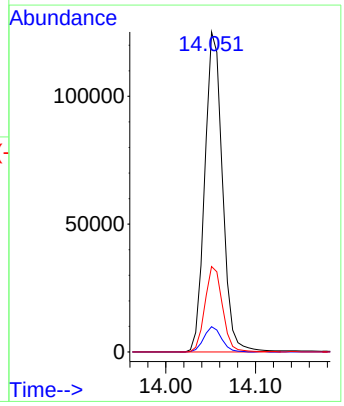


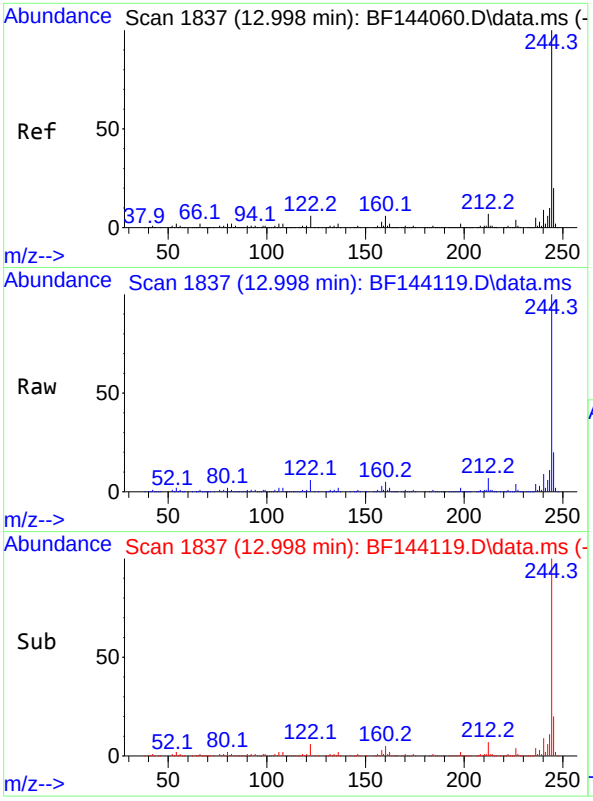


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:240 Resp: 171657

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.7	20.1	30.1



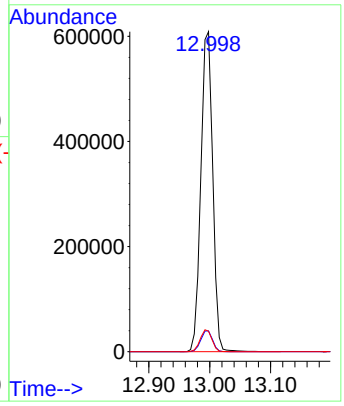


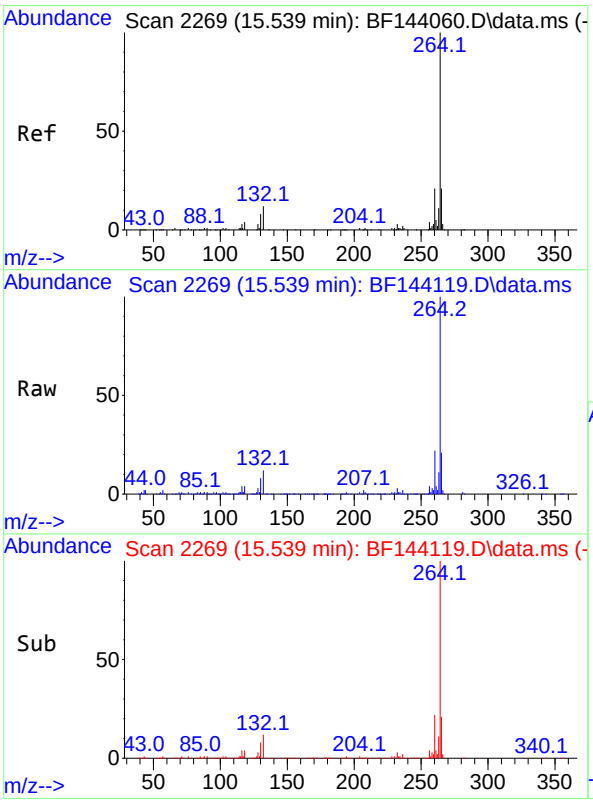
#79
Terphenyl-d14
Concen: 83.598 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

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

Tgt Ion:244 Resp: 820850

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	6.4	4.9	7.3

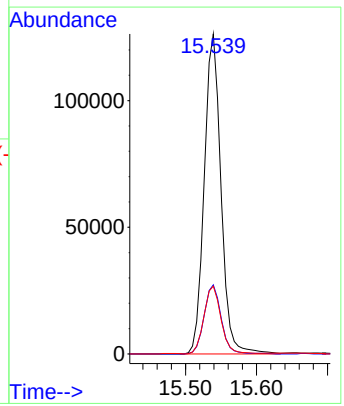




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144119.D
Acq: 29 Oct 2025 00:09

Tgt Ion:264 Resp: 207654

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.0	25.4
265	21.2	16.6	24.8



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:	Q3447-08			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/31/25 14:50	PB170267
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/31/25 14:50	PB170267
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/31/25 14:50	PB170267
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/31/25 14:50	PB170267
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/31/25 14:50	PB170267
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/31/25 14:50	PB170267
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/31/25 14:50	PB170267
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/31/25 14:50	PB170267
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/31/25 14:50	PB170267
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/31/25 14:50	PB170267
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/31/25 14:50	PB170267
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/31/25 14:50	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	132			23 - 138	88%	SPK: 150		
13127-88-3	Phenol-d6	104			10 - 134	69%	SPK: 150		
4165-60-0	Nitrobenzene-d5	105			67 - 132	105%	SPK: 100		
321-60-8	2-Fluorobiphenyl	109			52 - 132	109%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	205			44 - 137	137%	SPK: 150		
1718-51-0	Terphenyl-d14	99.7			42 - 152	100%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	32300							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	78100							
1517-22-2	Phenanthrene-d10	257000							
1719-03-5	Chrysene-d12	264000							
1520-96-3	Perylene-d12	83100							

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\BG103125\
Data File : BG064656.D
Acq On : 31 Oct 2025 14:50
Operator : RC/JU
Sample : Q3447-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 31 15:28:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

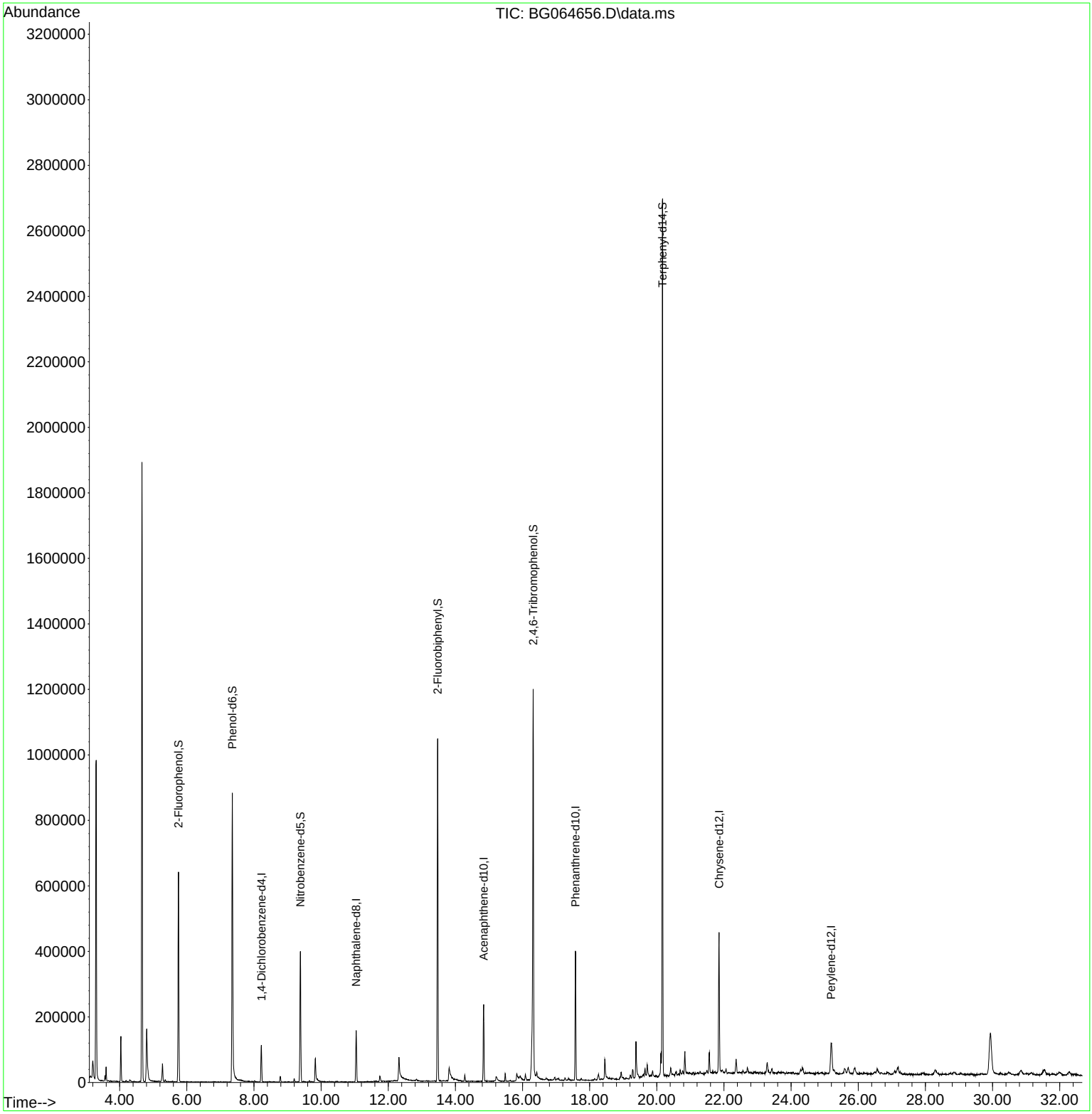
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	32281	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	126478	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	78090	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	257453	20.000	ng	0.00
76) Chrysene-d12	21.851	240	264435	20.000	ng	-0.01
86) Perylene-d12	25.189	264	83058	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.753	112	253828	131.981	ng	0.00
7) Phenol-d6	7.357	99	274095	103.861	ng	0.00
23) Nitrobenzene-d5	9.384	82	220371	104.651	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	231266	205.192	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	562842	109.249	ng	0.00
79) Terphenyl-d14	20.171	244	1397484	99.733	ng	0.00
Target Compounds						Qvalue

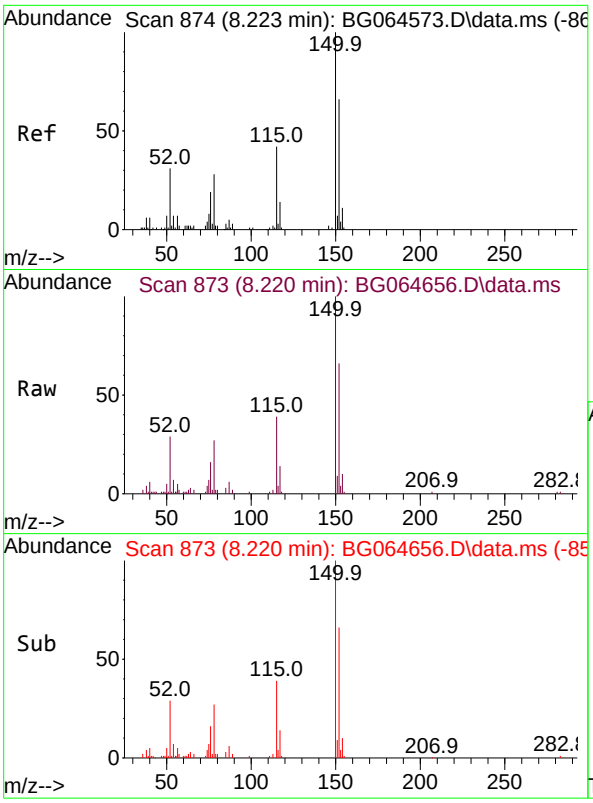
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064656.D
Acq On : 31 Oct 2025 14:50
Operator : RC/JU
Sample : Q3447-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 31 15:28:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



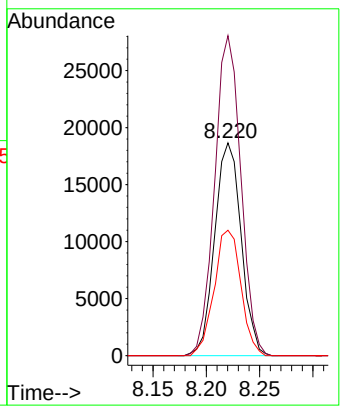


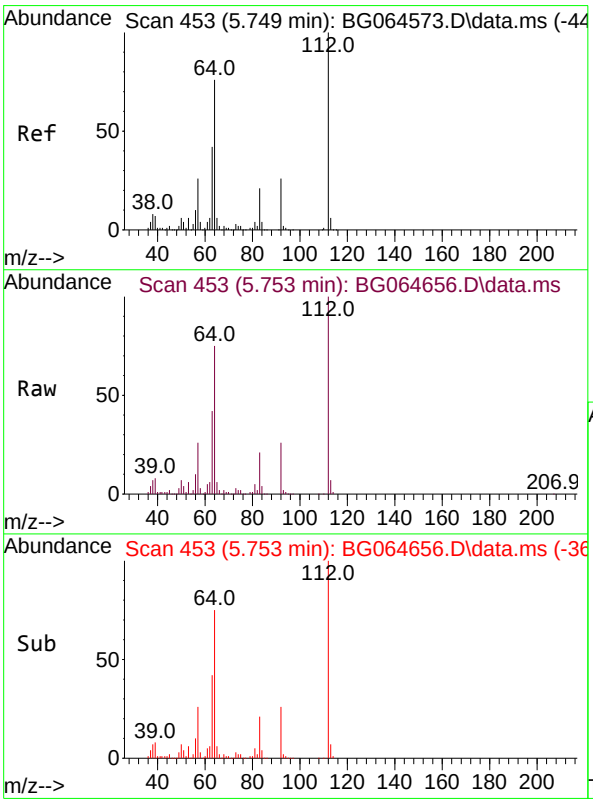
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion:152 Resp: 32281

Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.2	183.4
115	58.9	50.8	76.2

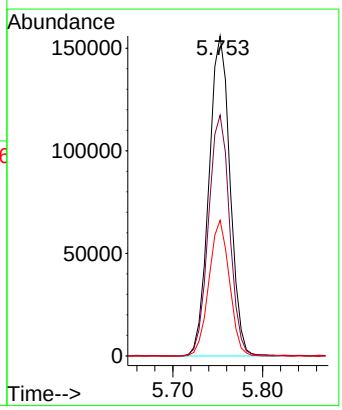


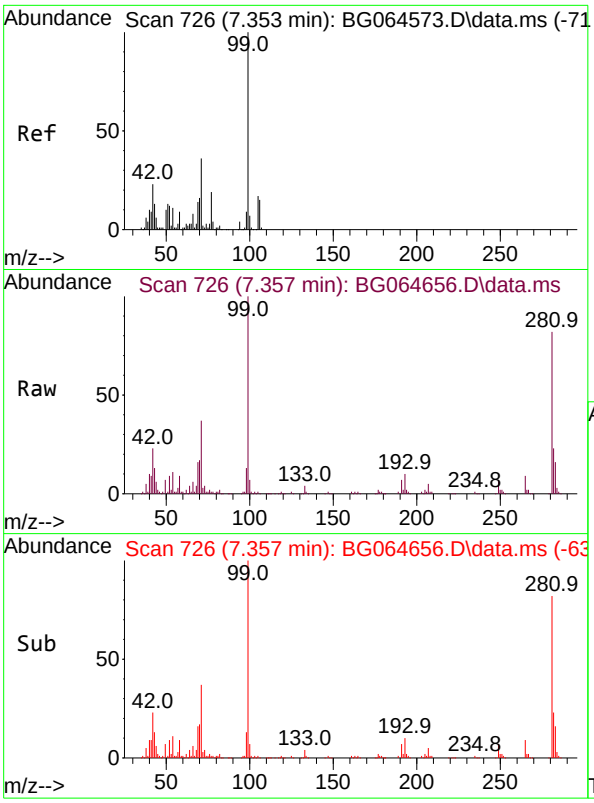


#5
2-Fluorophenol
Concen: 131.981 ng
RT: 5.753 min Scan# 453
Delta R.T. 0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:112 Resp: 253828

Ion	Ratio	Lower	Upper
112	100		
64	75.2	60.7	91.1
63	42.4	33.4	50.0



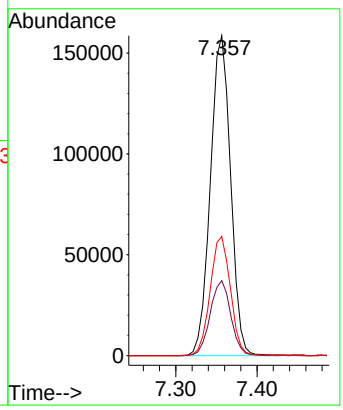


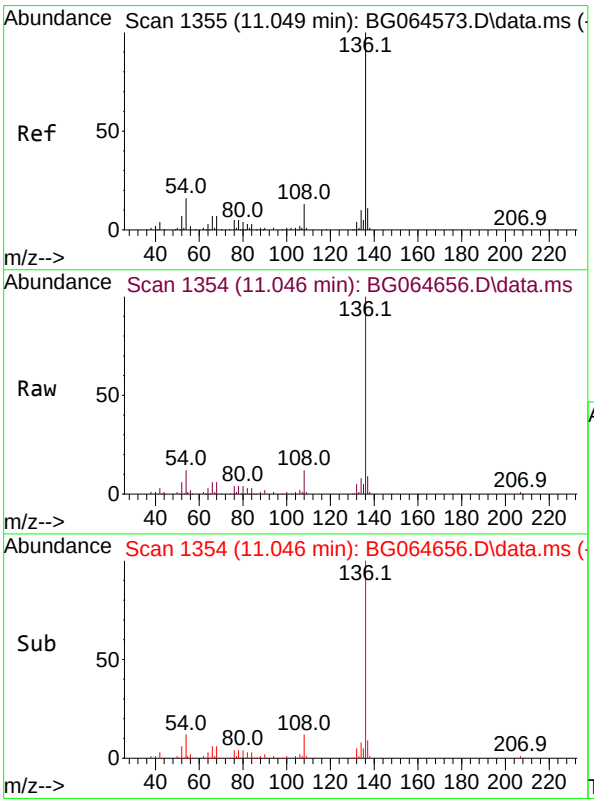
#7
Phenol-d6
Concen: 103.861 ng
RT: 7.357 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion: 99 Resp: 274095

Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	37.2	28.6	43.0

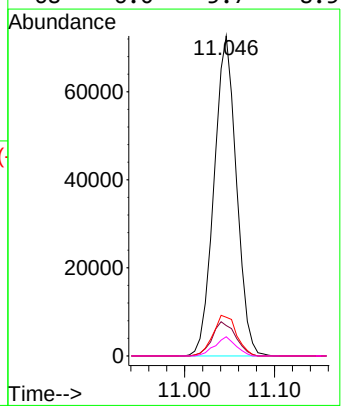


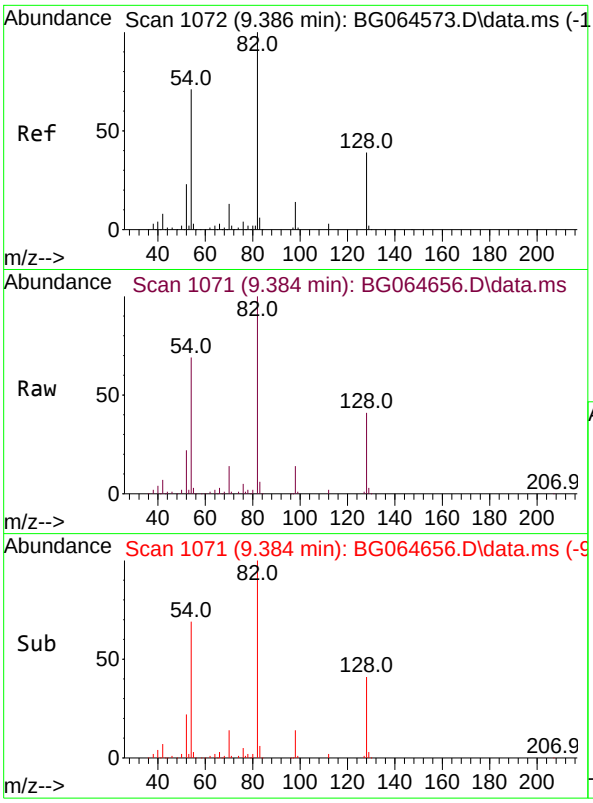


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:136 Resp: 126478

Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	12.8	12.6	19.0
68	6.0	5.7	8.5



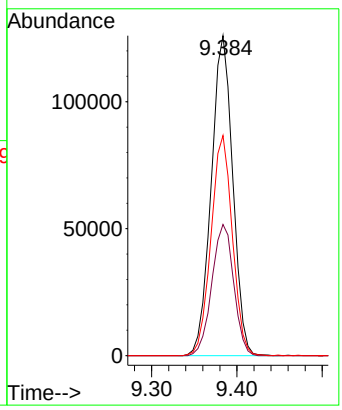


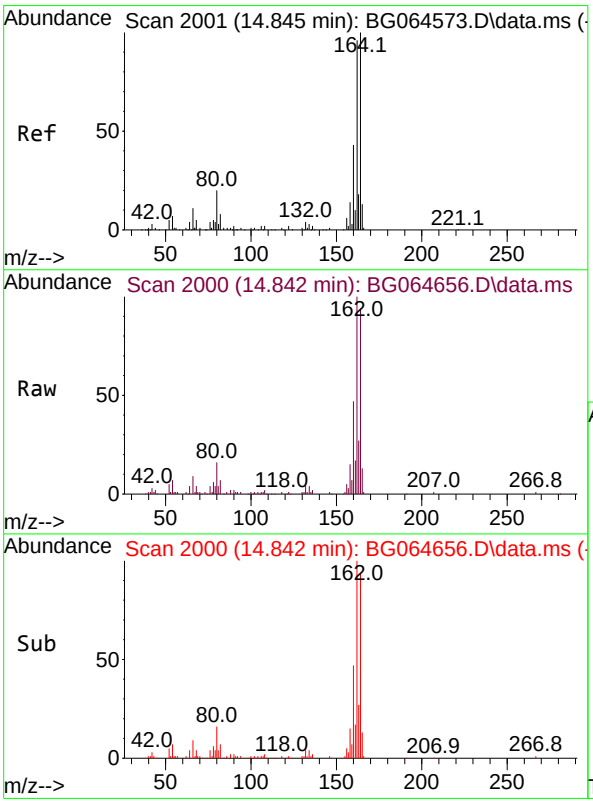
#23
Nitrobenzene-d5
Concen: 104.651 ng
RT: 9.384 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion: 82 Resp: 220371

Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.3	46.9
54	68.8	56.6	84.8

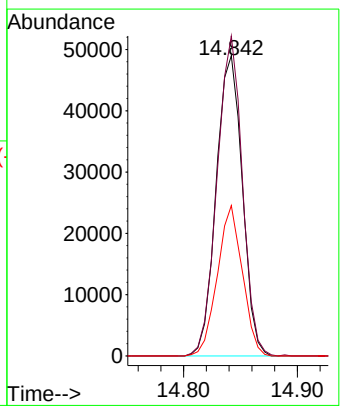


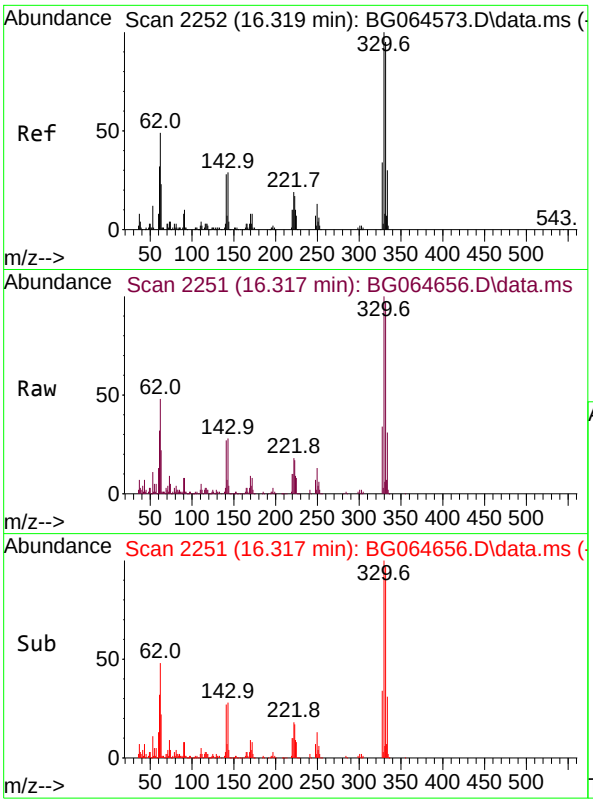


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:164 Resp: 78090

Ion	Ratio	Lower	Upper
164	100		
162	106.6	77.0	115.6
160	50.1	34.4	51.6



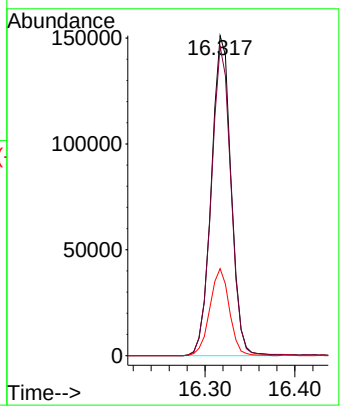


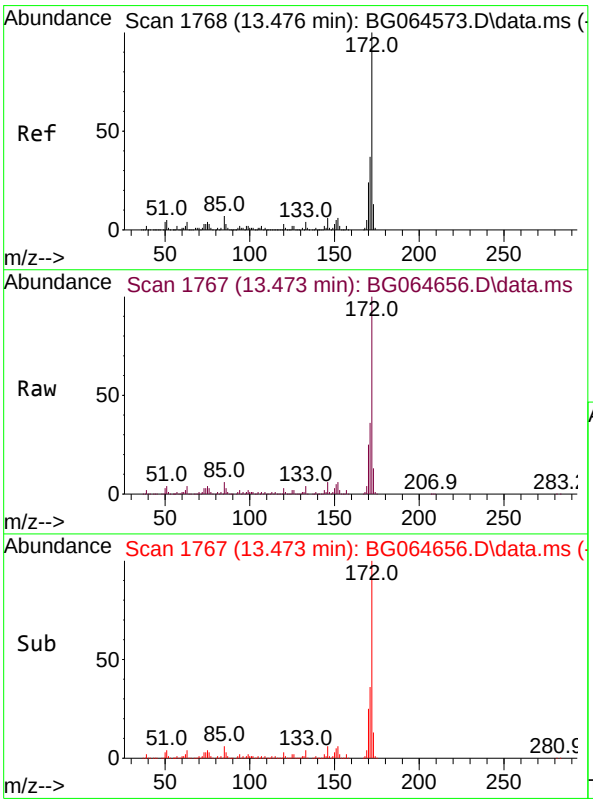
#42
2,4,6-Tribromophenol
Concen: 205.192 ng
RT: 16.317 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion:330 Resp: 231266

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	26.8	21.8	32.6

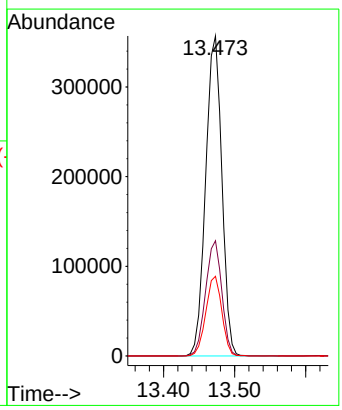


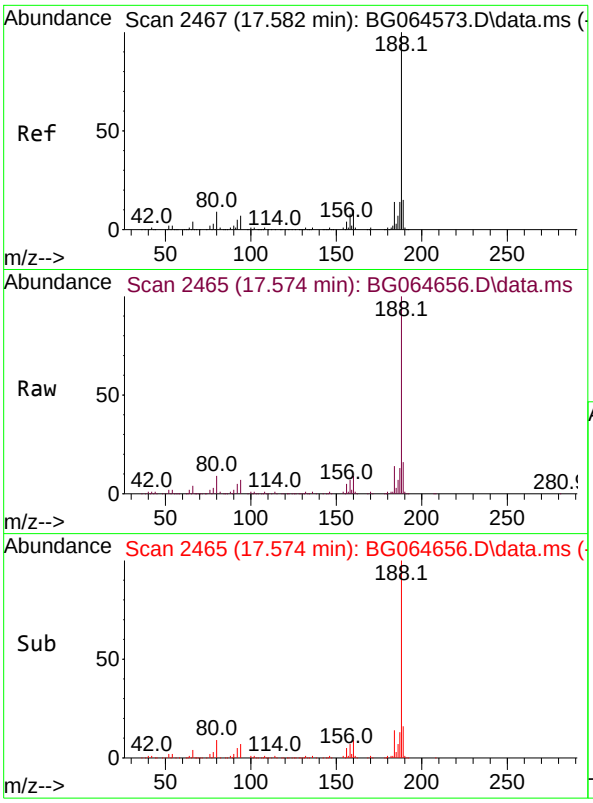


#45
2-Fluorobiphenyl
Concen: 109.249 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:172 Resp: 562842

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.9	19.1	28.7



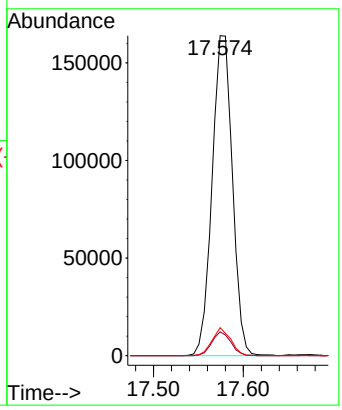


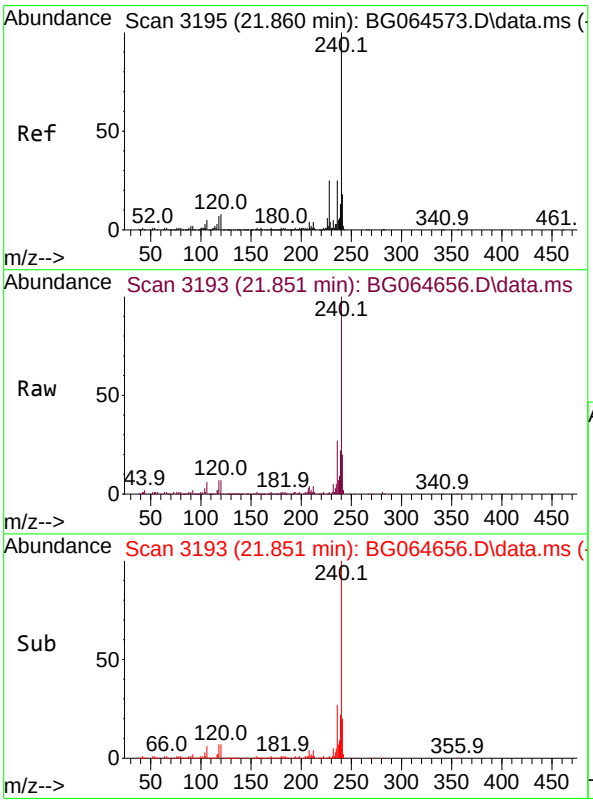
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion:188 Resp: 257453

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.7	6.8	10.2

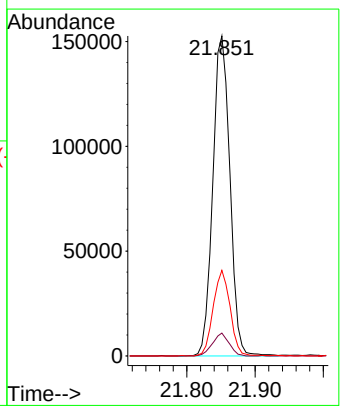


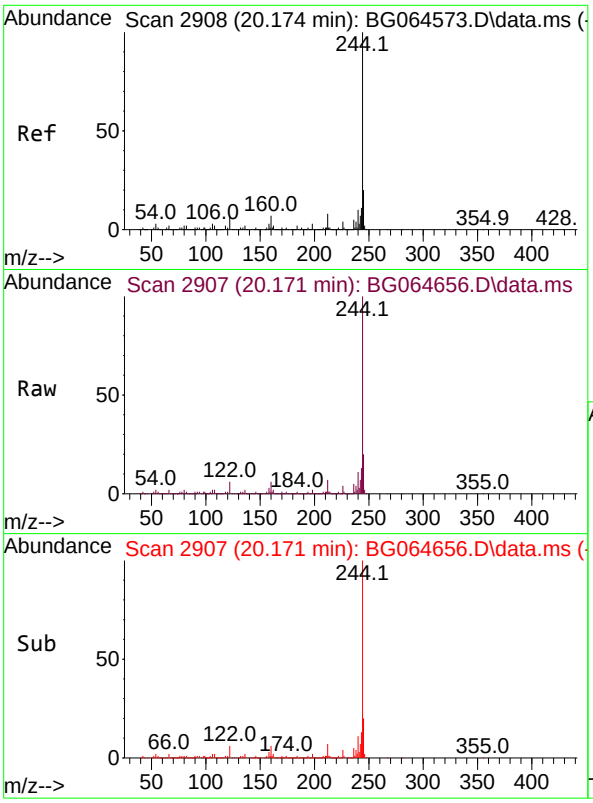


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:240 Resp: 264435

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	26.7	20.2	30.2



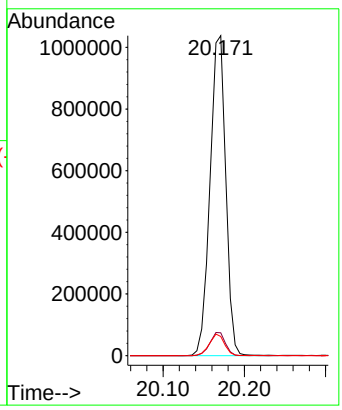


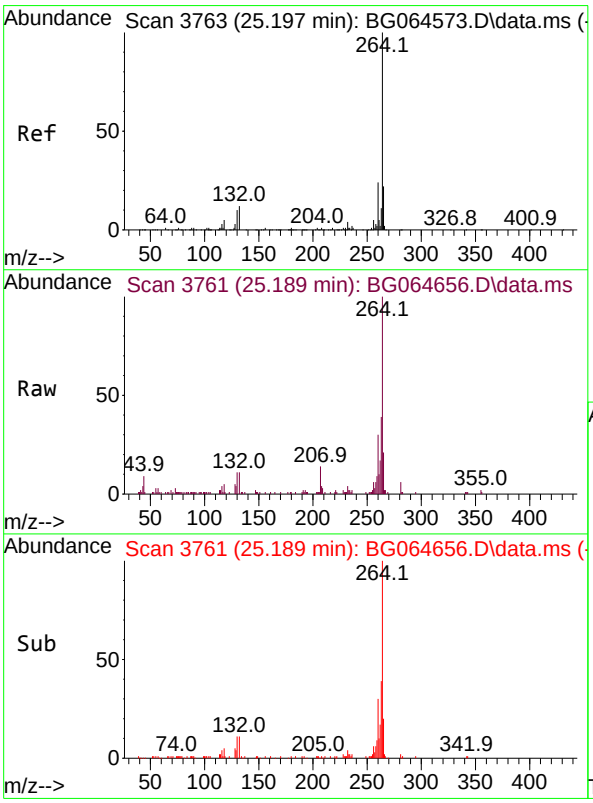
#79
Terphenyl-d14
Concen: 99.733 ng
RT: 20.171 min Scan# 29
Delta R.T. -0.006 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

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

Tgt Ion:244 Resp: 1397484

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.0	5.6	8.4

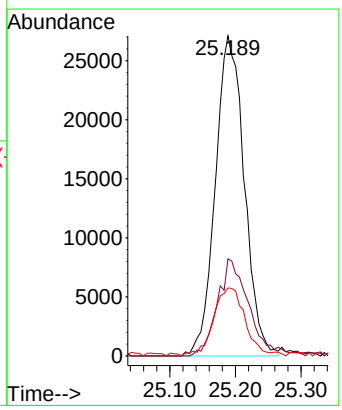




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.189 min Scan# 3761
Delta R.T. -0.012 min
Lab File: BG064656.D
Acq: 31 Oct 2025 14:50

Tgt Ion:264 Resp: 83058

Ion	Ratio	Lower	Upper
264	100		
260	30.3	19.0	28.4#
265	21.2	17.6	26.4



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

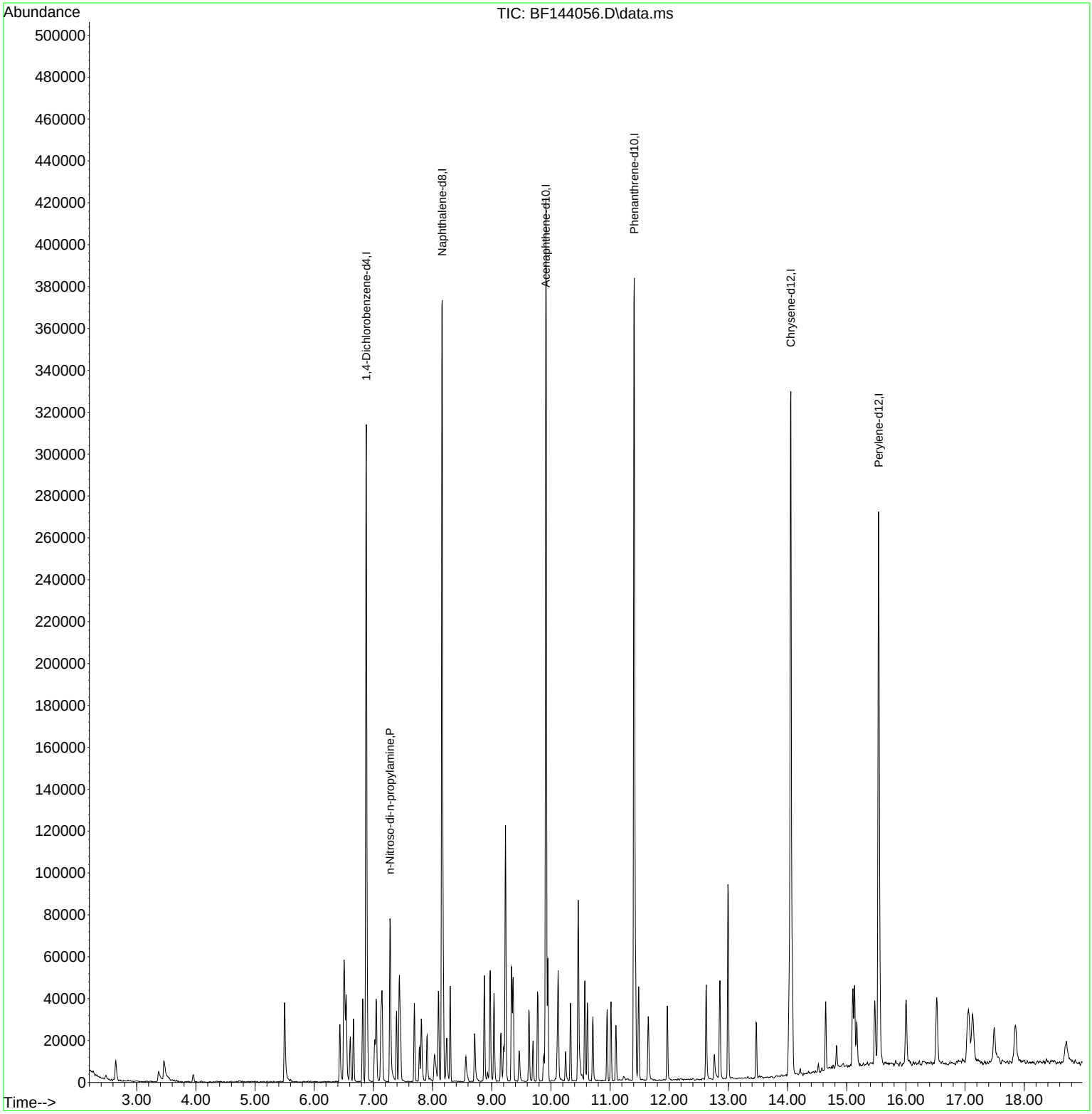
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63395	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	236986	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	128411	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216866	20.000	ng	0.00
76) Chrysene-d12	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

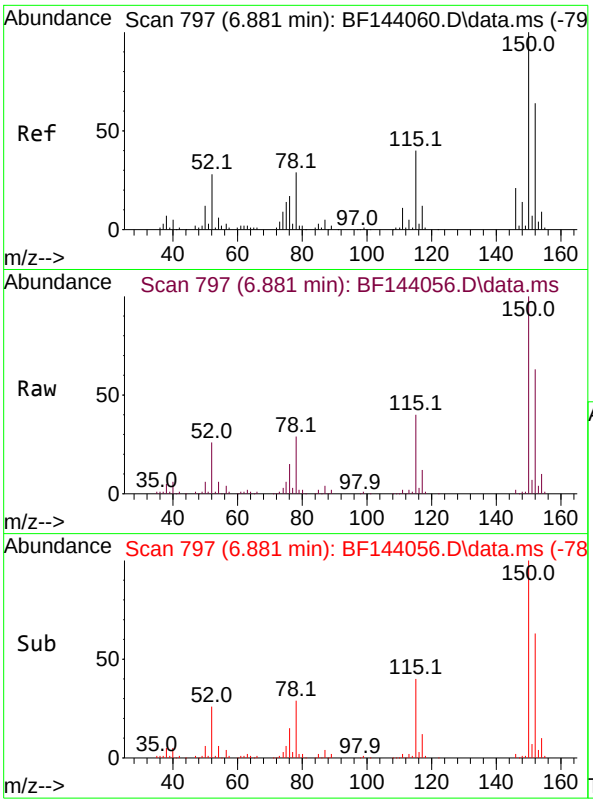
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



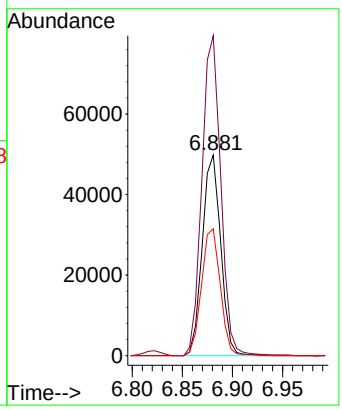


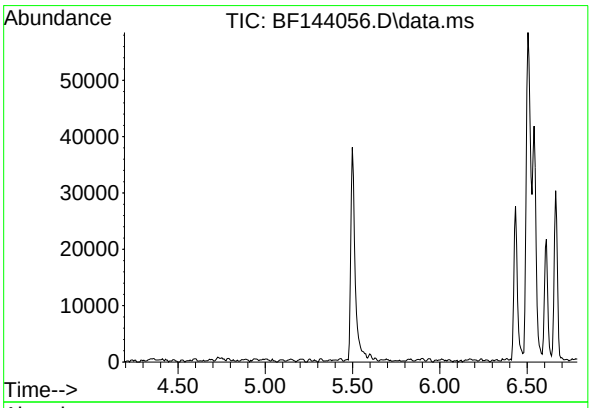
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



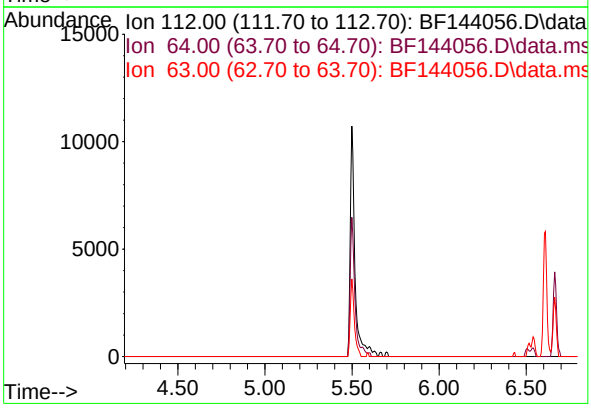


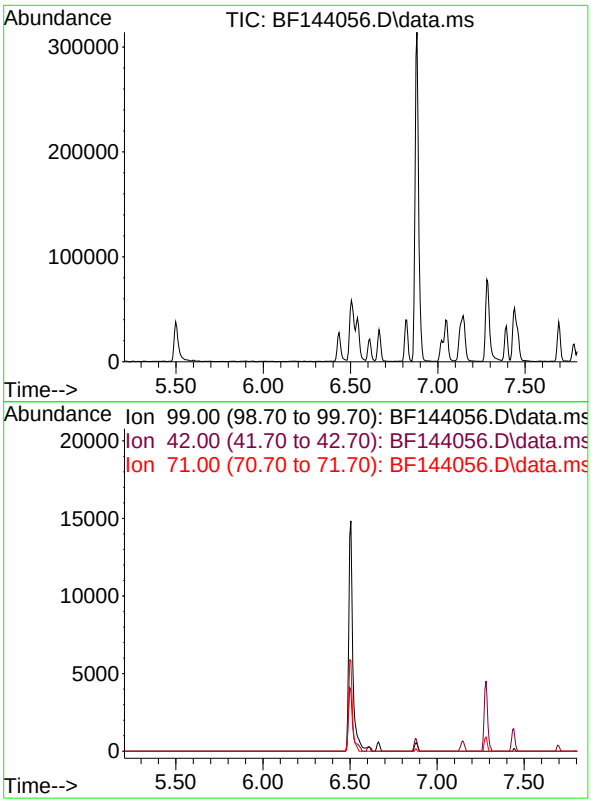
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	34.3





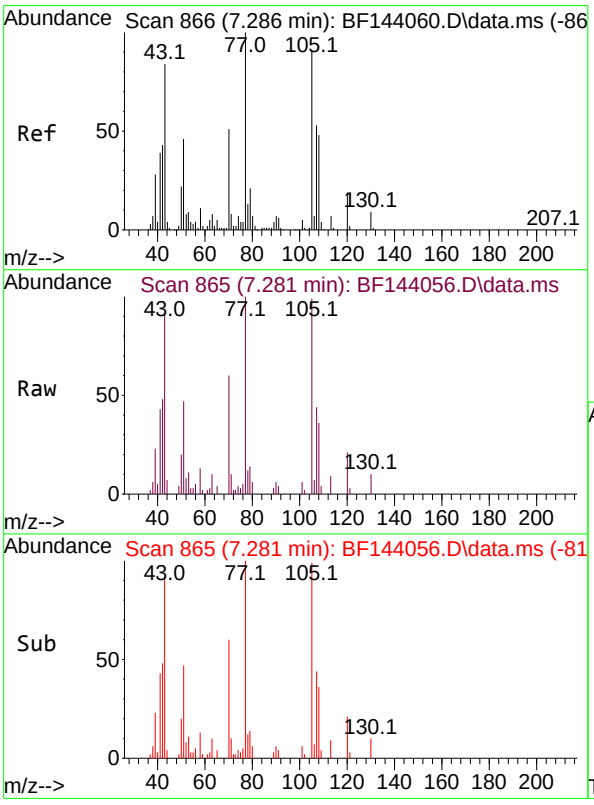
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

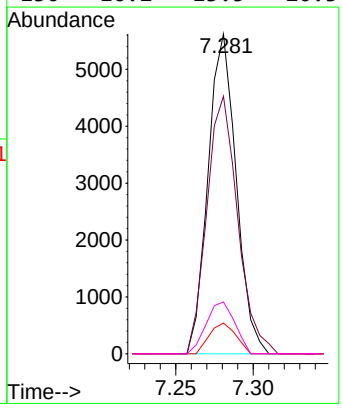
Sig	Exp Ratio
99	100
42	29.9
71	43.0

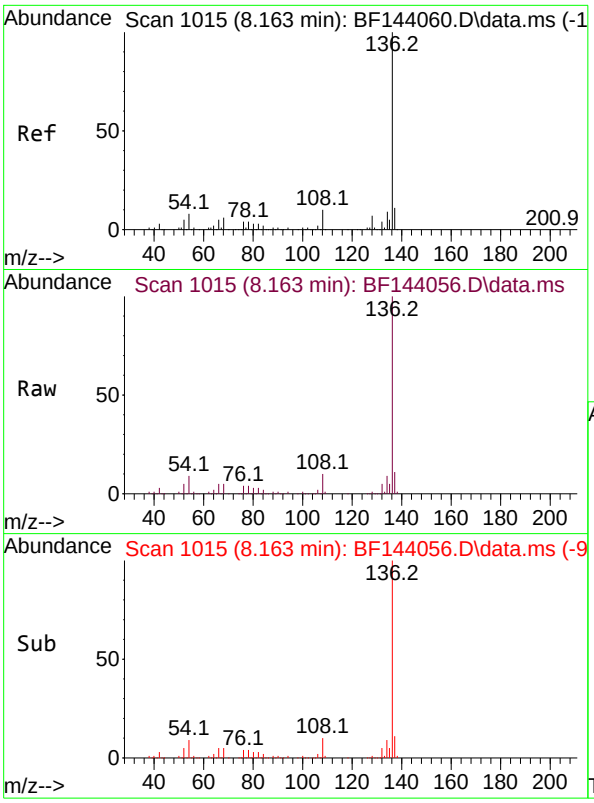


#19
n-Nitroso-di-n-propylamine
Concen: 2.493 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



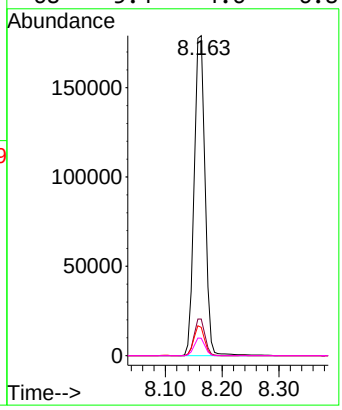


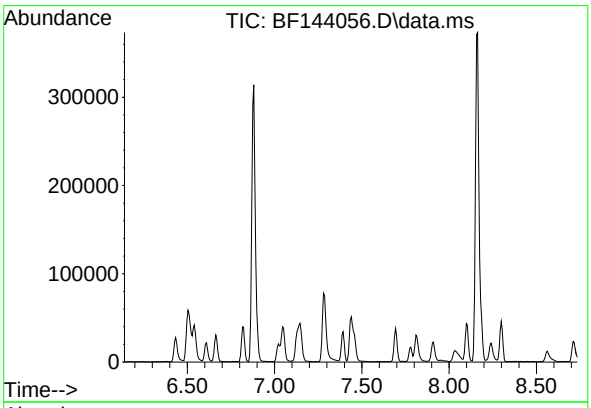
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



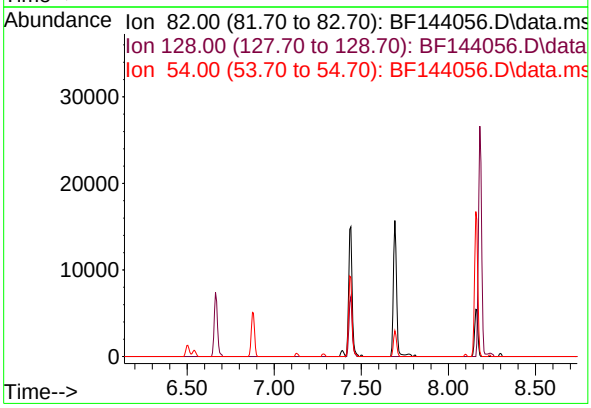


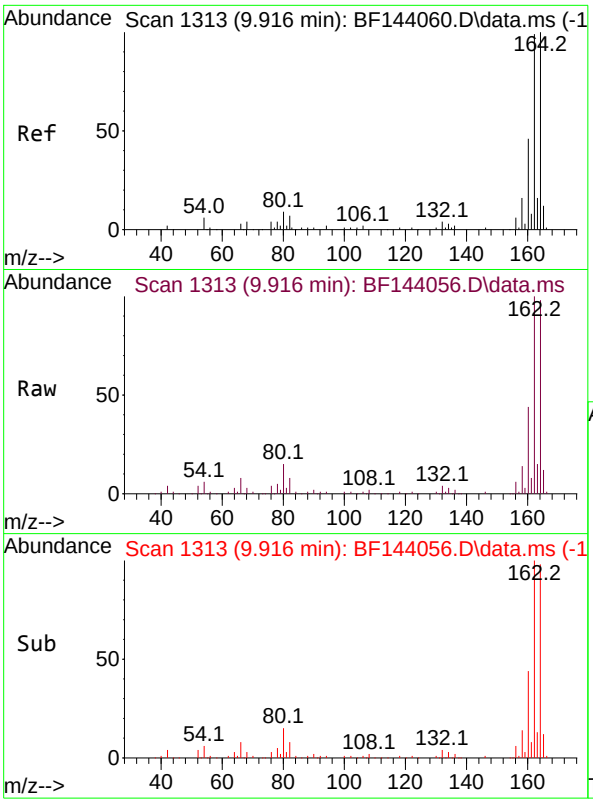
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.44 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.5
54	67.5



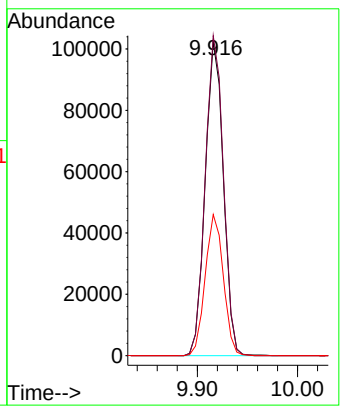


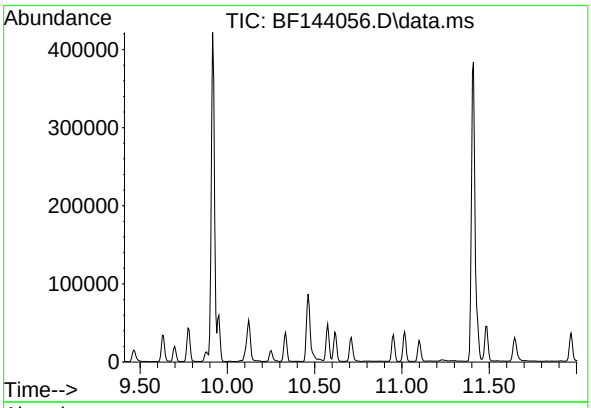
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



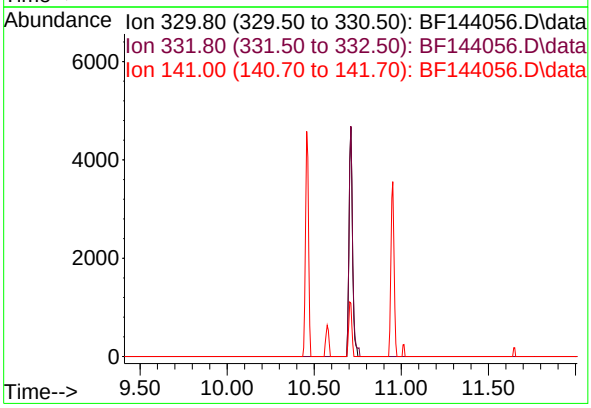


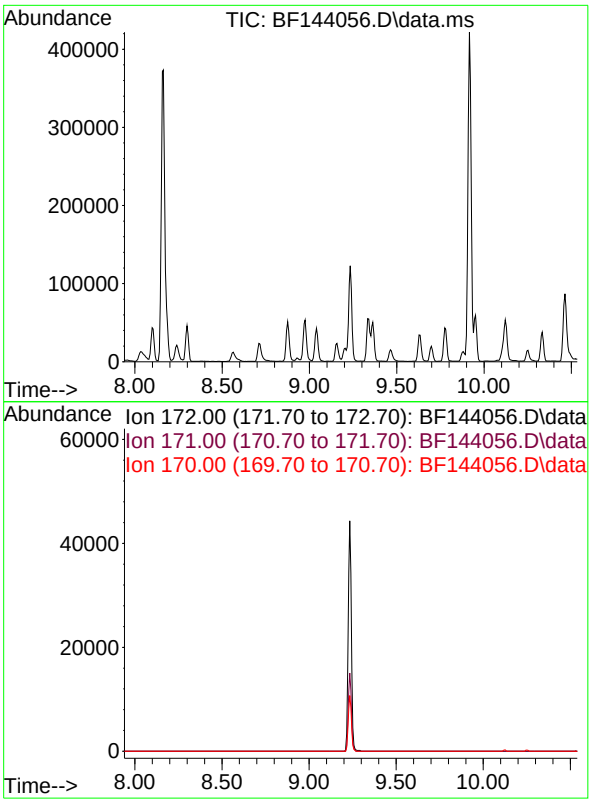
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.71 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	24.2





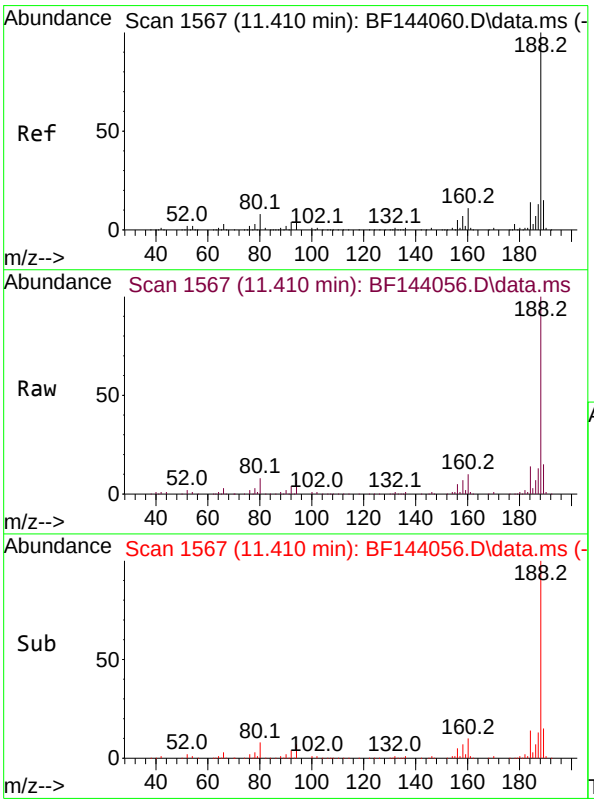
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

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

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.4
170	23.8

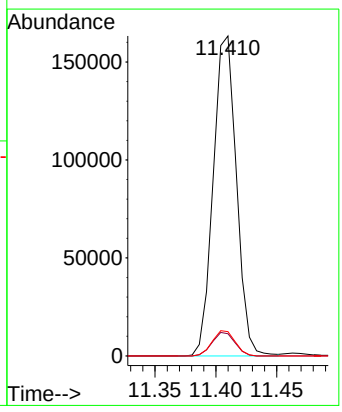
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

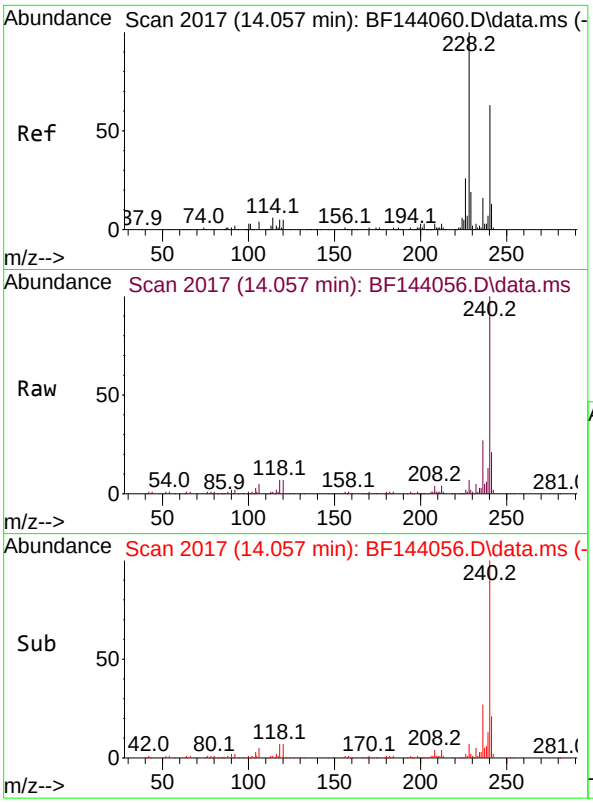


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



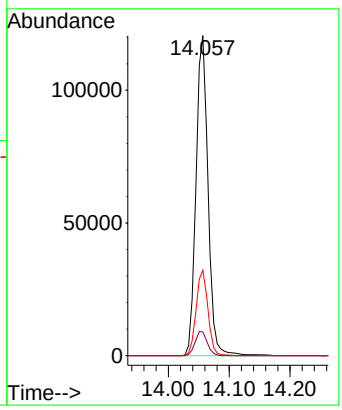


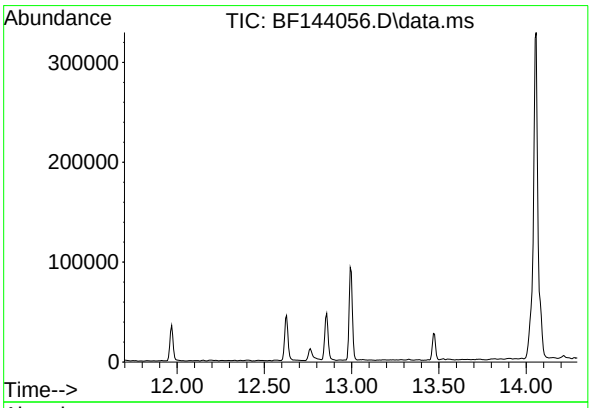
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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



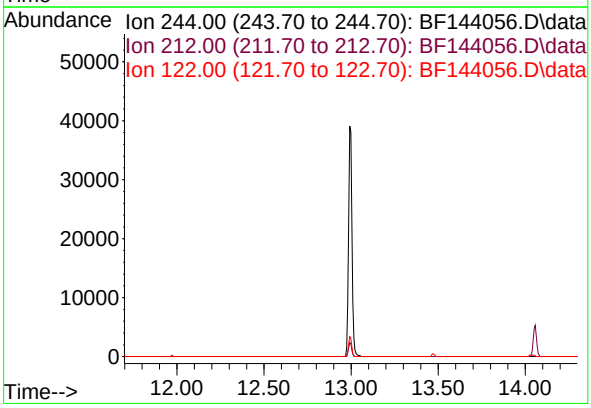


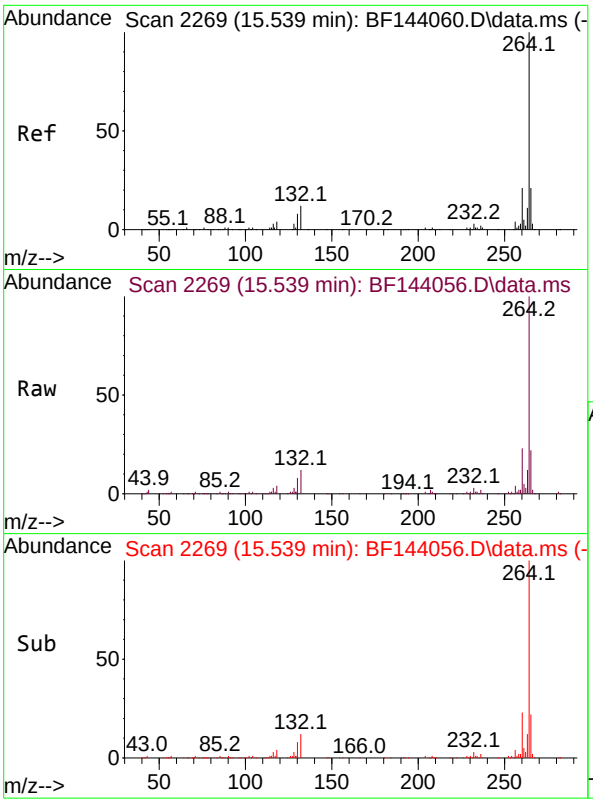
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	6.1



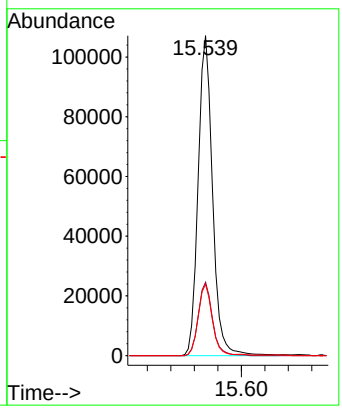


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

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

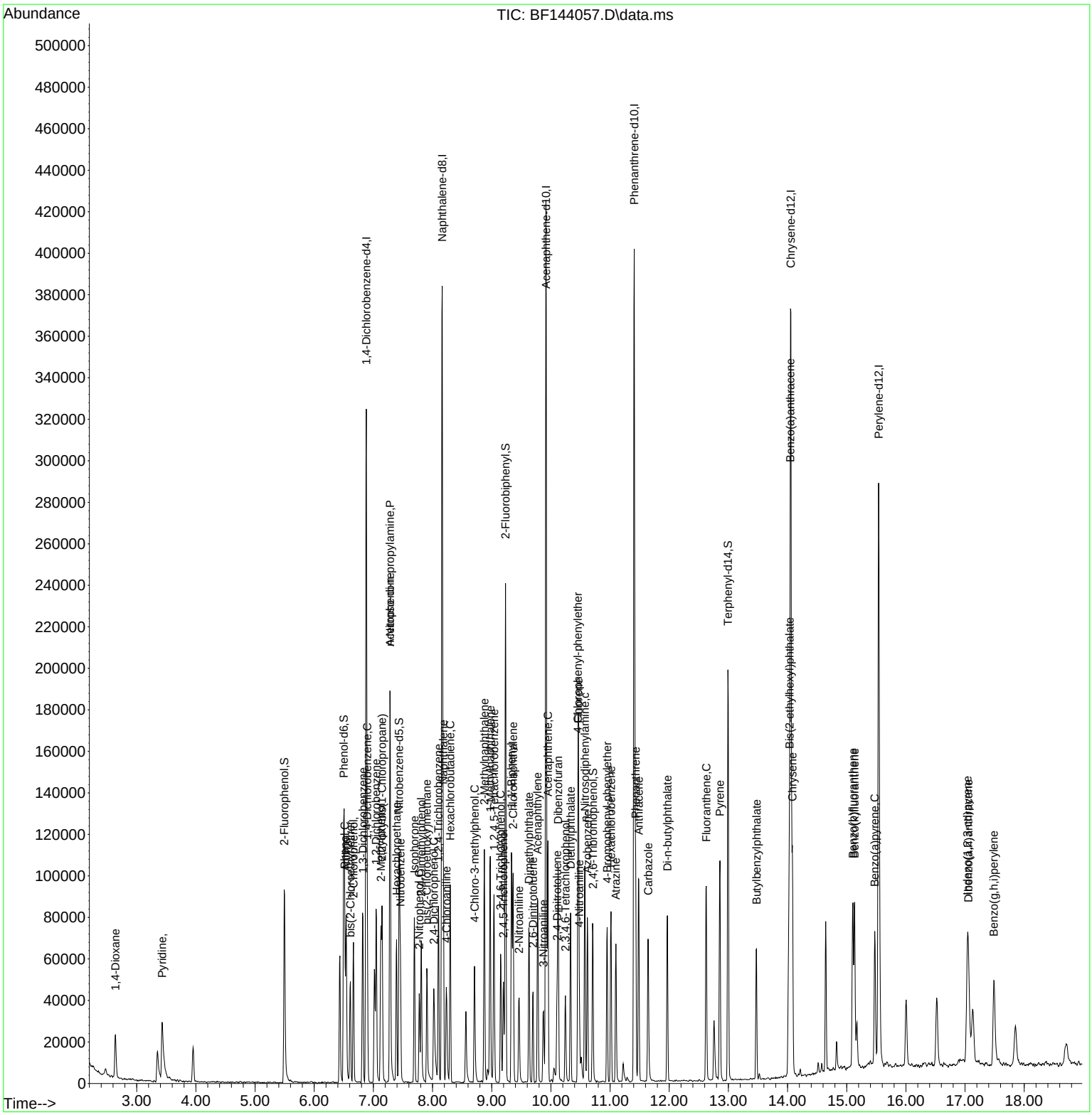
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	35769	5.208	ng		98
53) 3-Nitroaniline	9.875	138	8780	4.792	ng		97
55) Dibenzofuran	10.122	168	53591	5.620	ng		95
57) 2,4-Dinitrotoluene	10.104	165	9591	4.312	ng	#	94
58) Fluorene	10.469	166	43217	5.948	ng		98
59) 2,3,4,6-Tetrachlorophenol	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

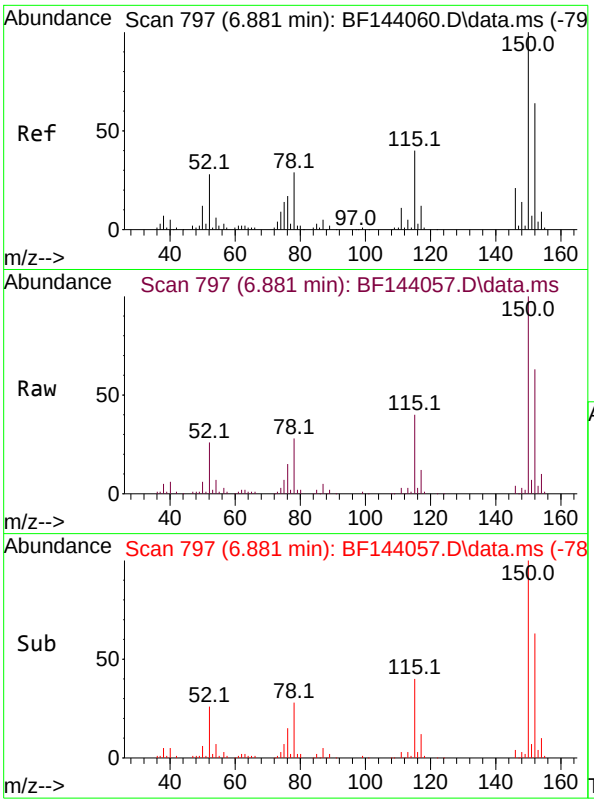
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



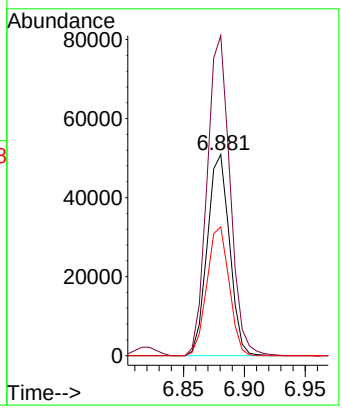


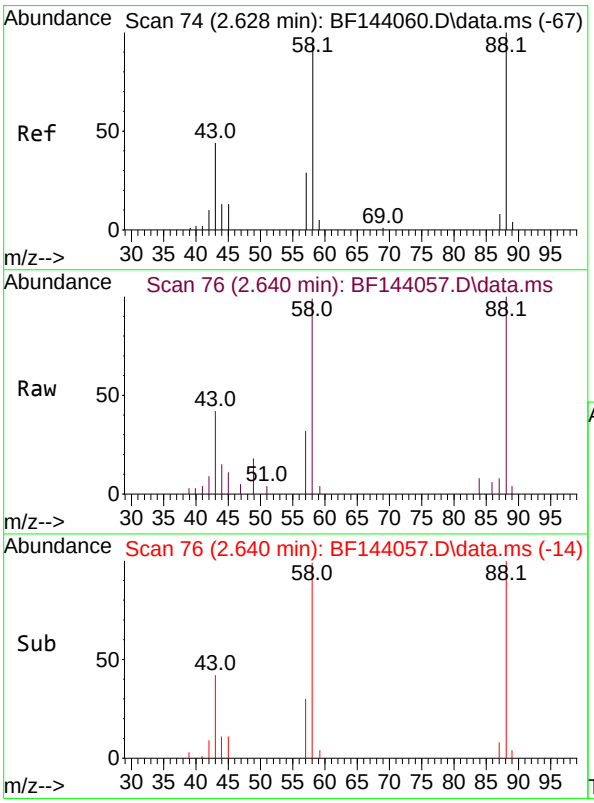
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

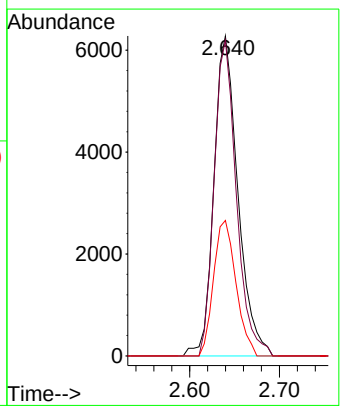


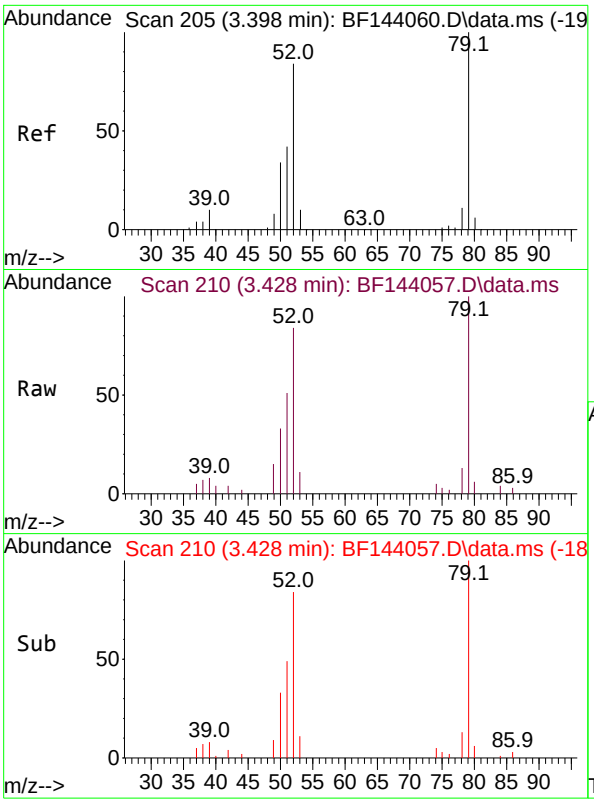


#2
1,4-Dioxane
Concen: 6.619 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.012 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



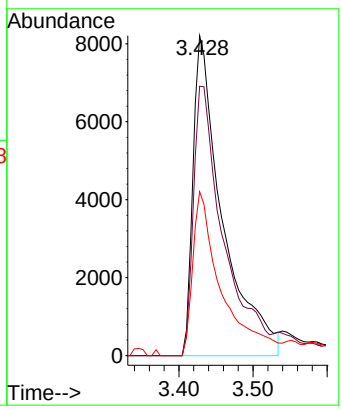


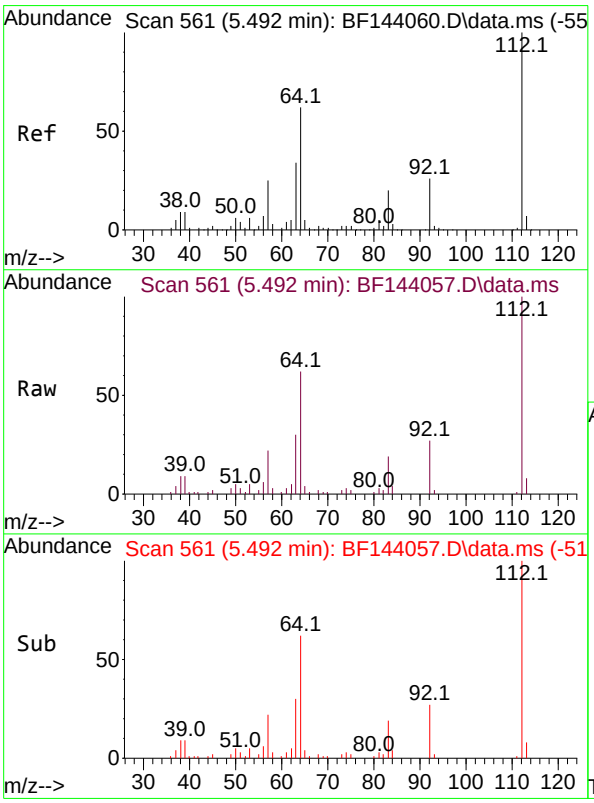
#3
Pyridine
Concen: 4.769 ng
RT: 3.428 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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#

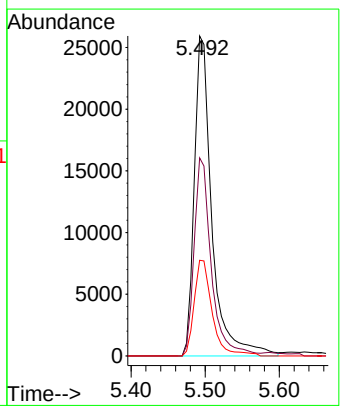


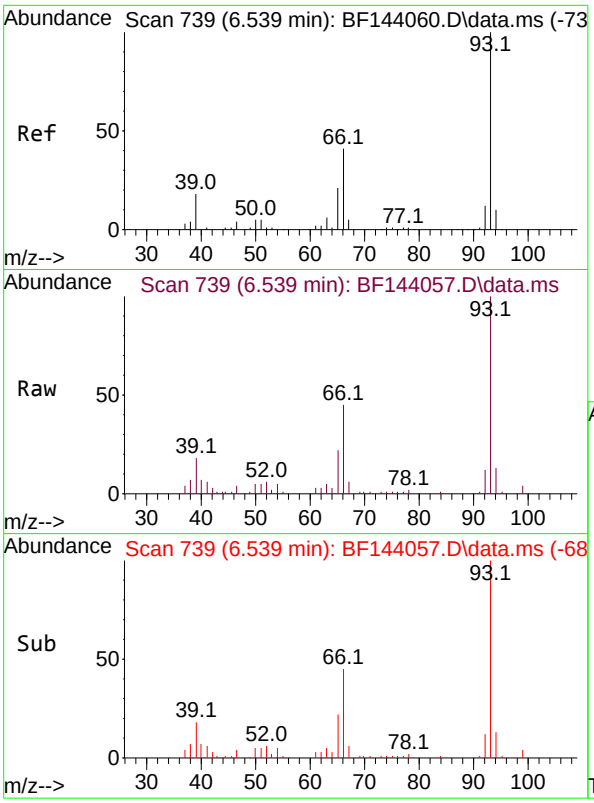


#5
2-Fluorophenol
Concen: 10.471 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



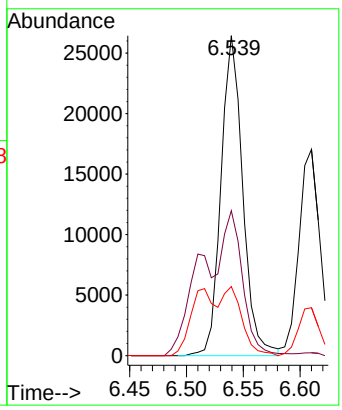


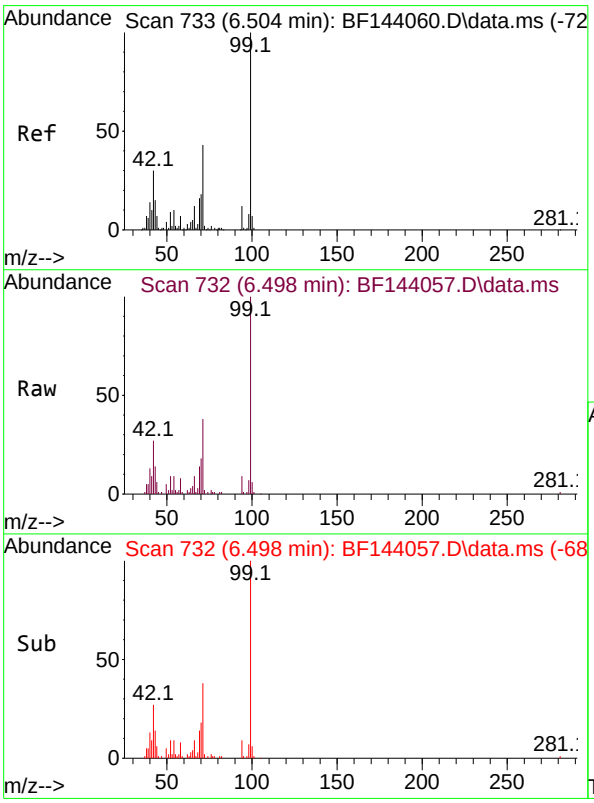
#6
Aniline
Concen: 5.441 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

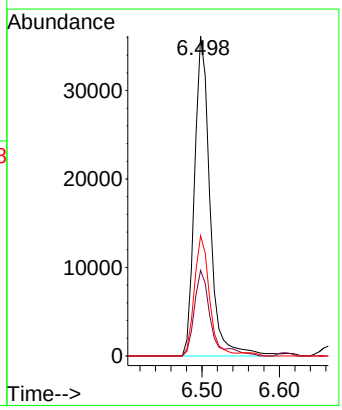


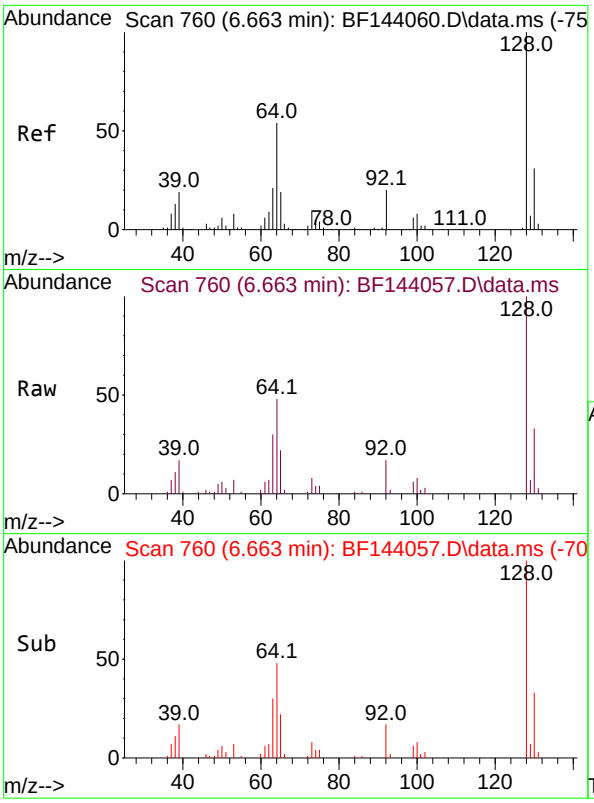


#7
Phenol-d6
Concen: 11.088 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



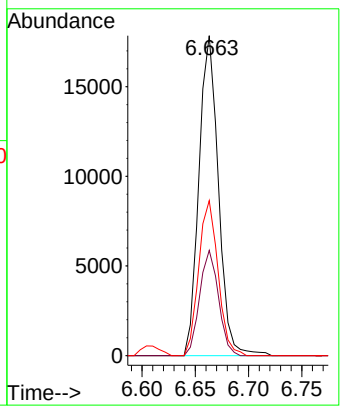


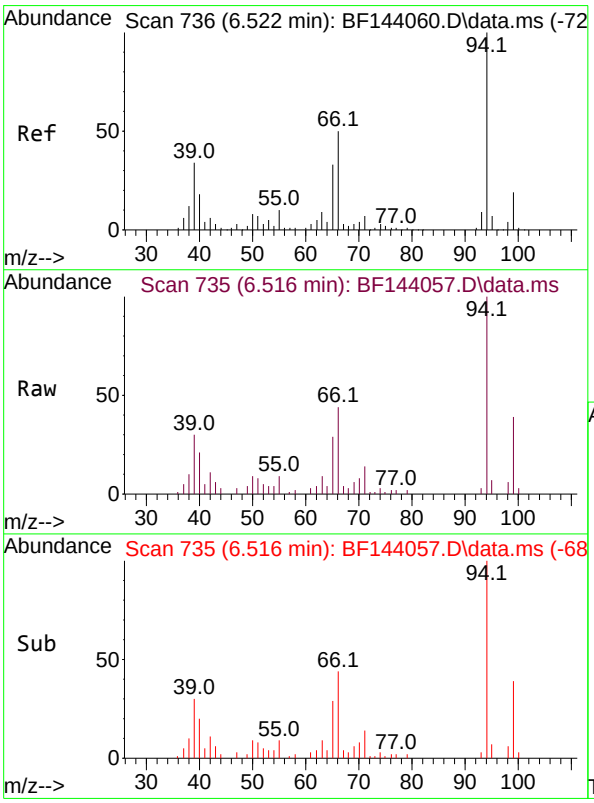
#8
2-Chlorophenol
Concen: 5.615 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

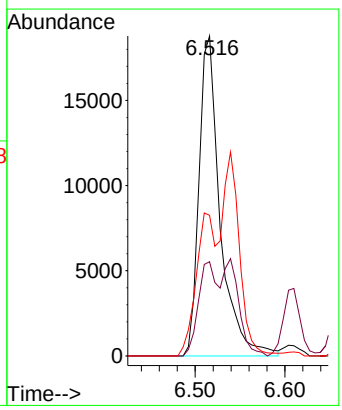


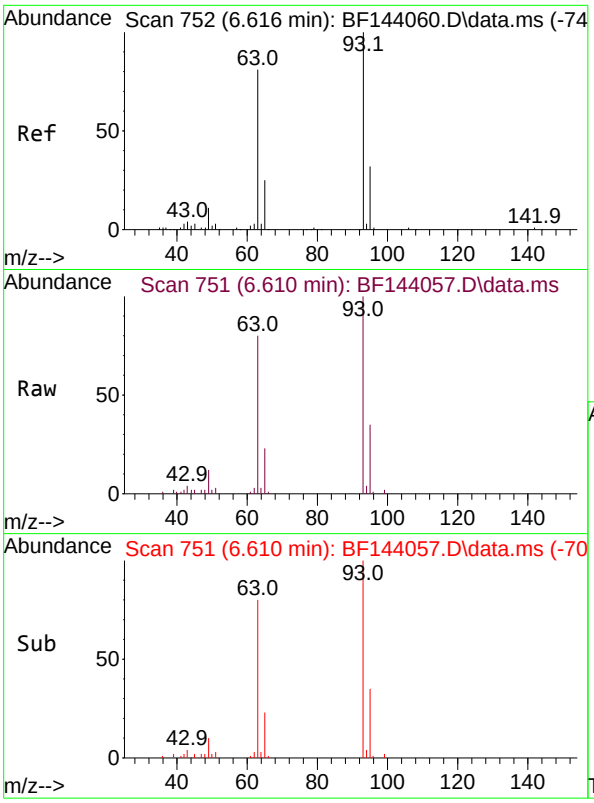


#10
Phenol
Concen: 5.505 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



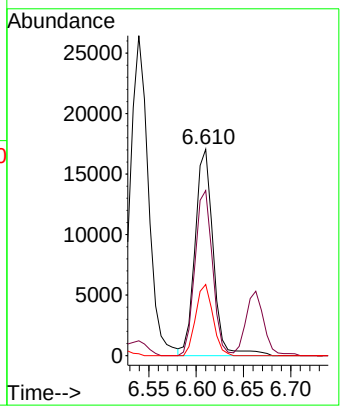


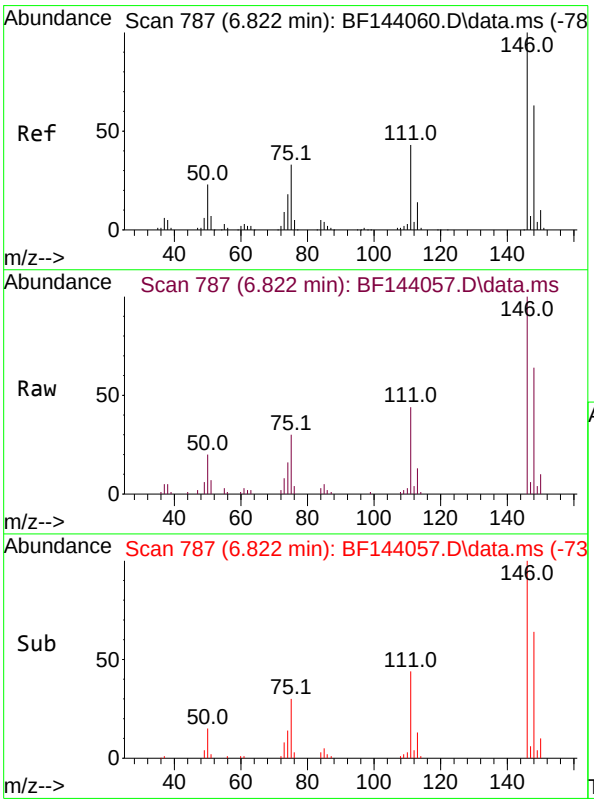
#11
bis(2-Chloroethyl)ether
Concen: 5.650 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

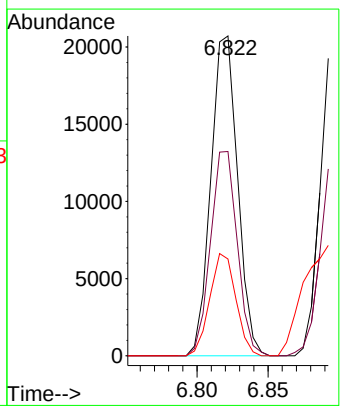


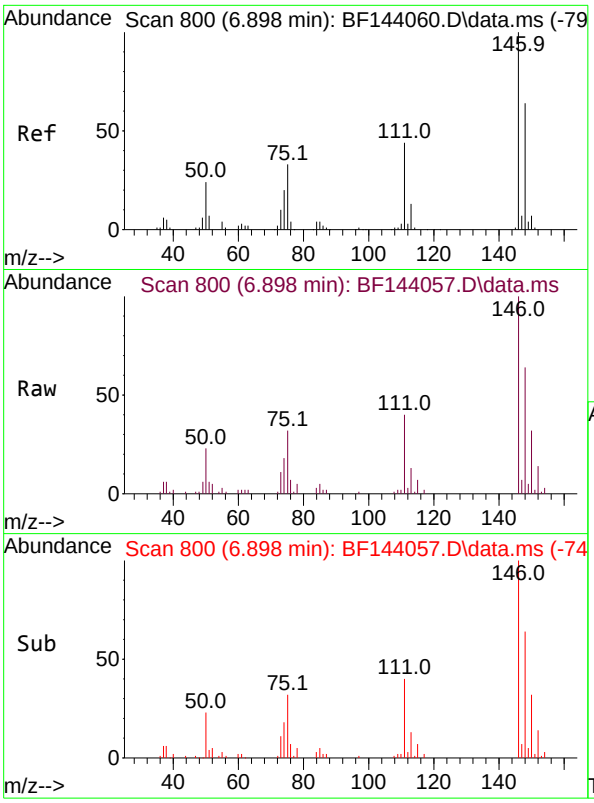


#12
1,3-Dichlorobenzene
Concen: 5.474 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



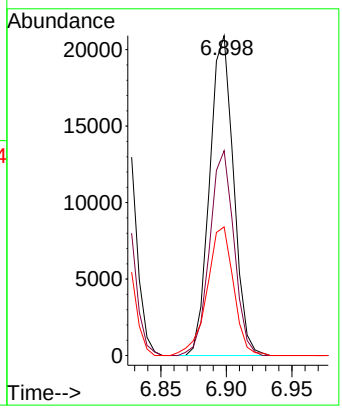


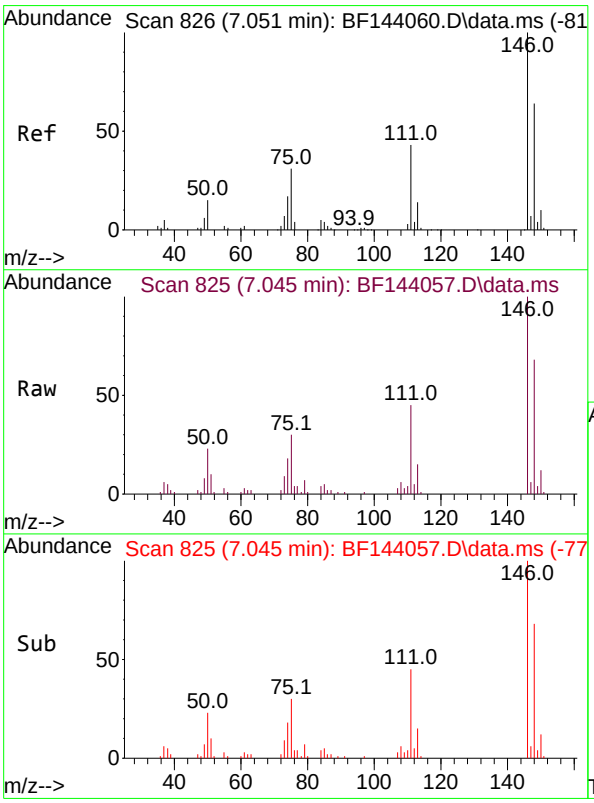
#13
1,4-Dichlorobenzene
Concen: 5.433 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

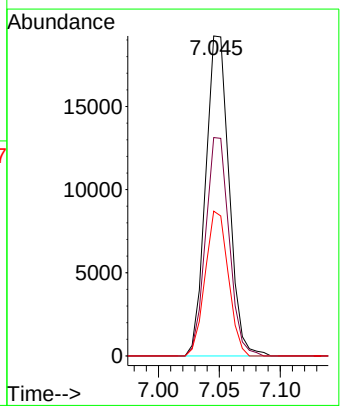


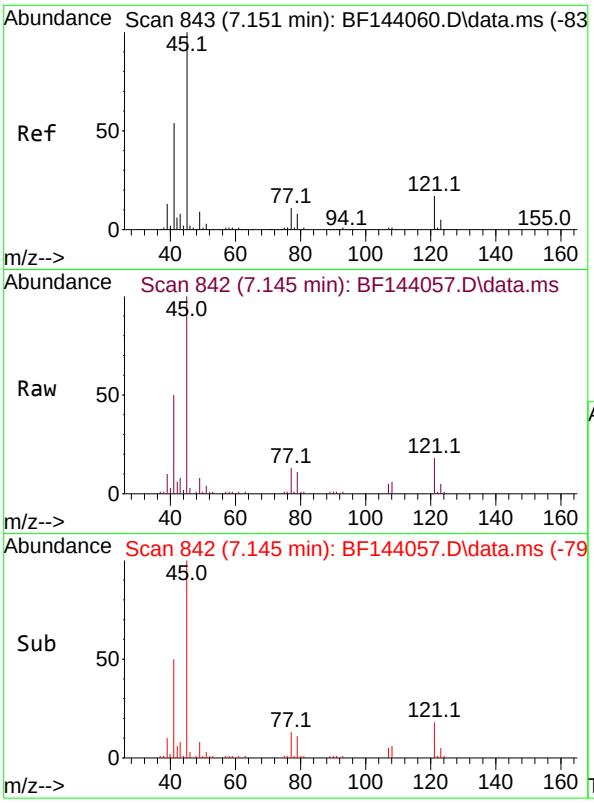


#14
1,2-Dichlorobenzene
Concen: 5.423 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



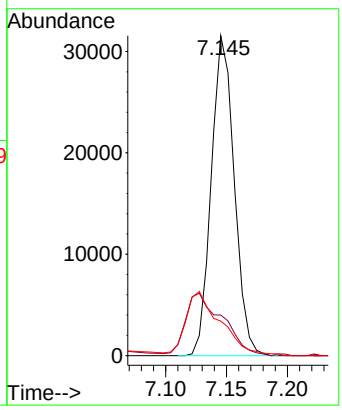


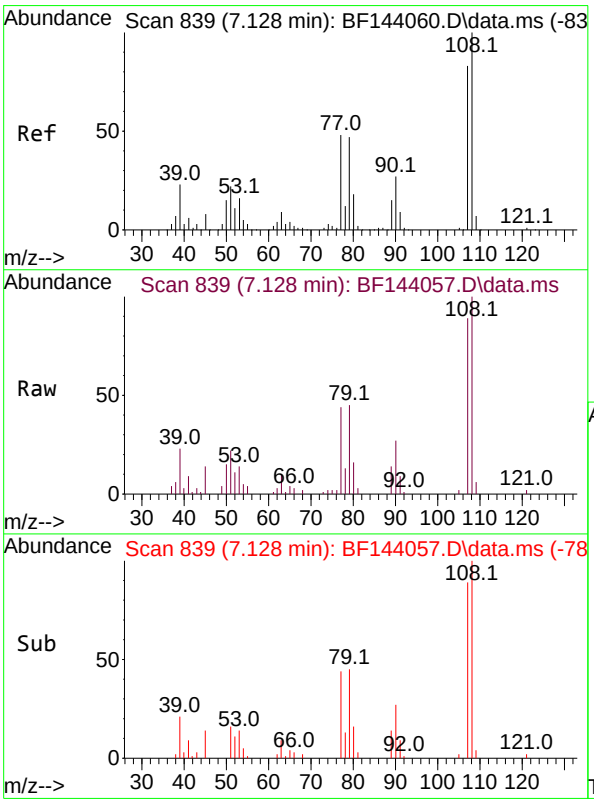
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.474 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

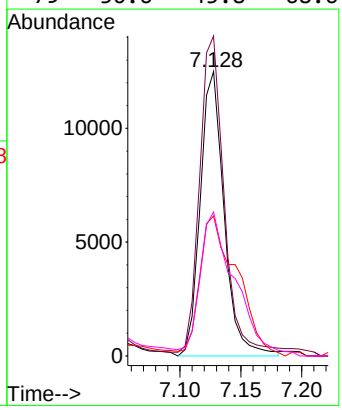


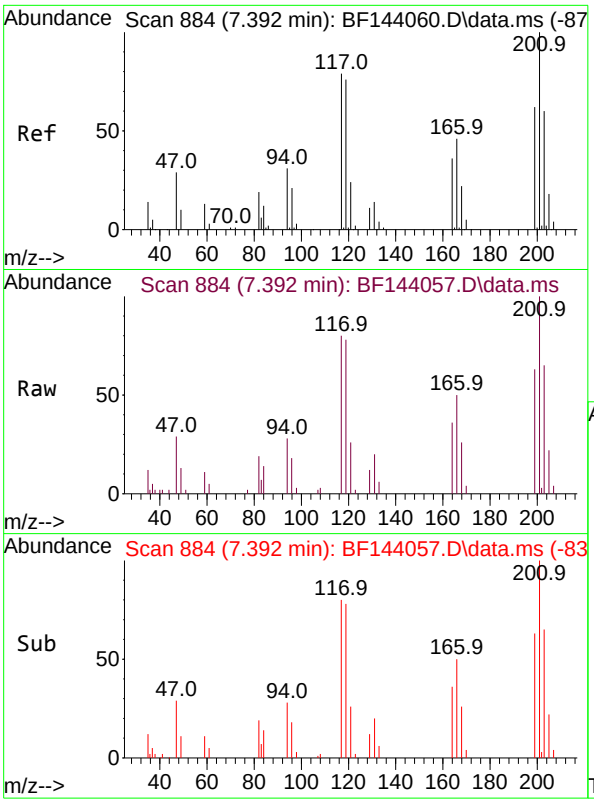


#17
2-Methylphenol
Concen: 5.492 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



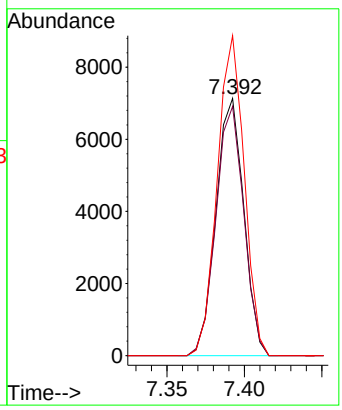


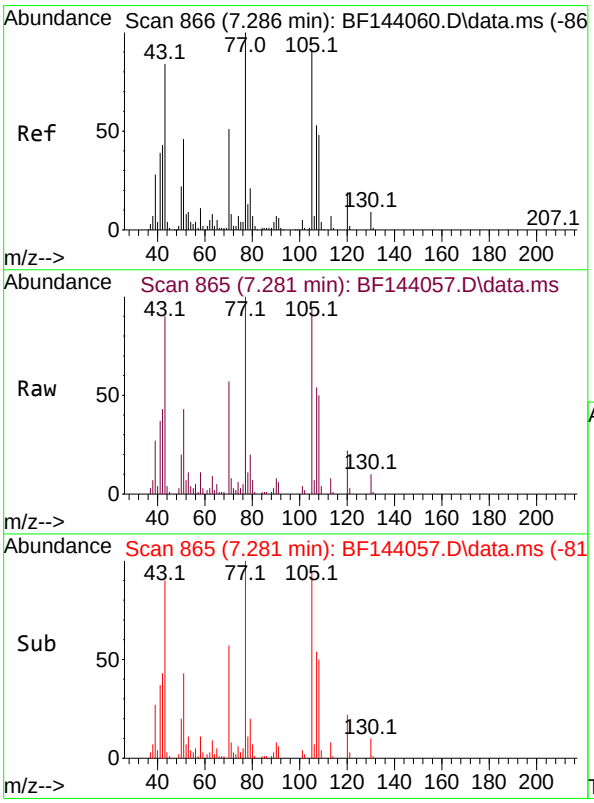
#18
Hexachloroethane
Concen: 5.108 ng
RT: 7.392 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

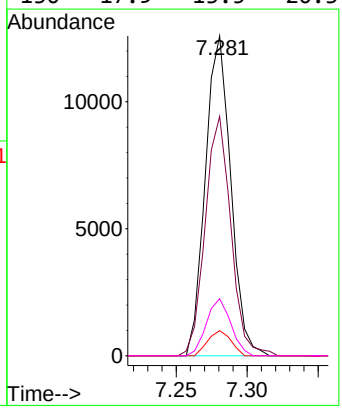


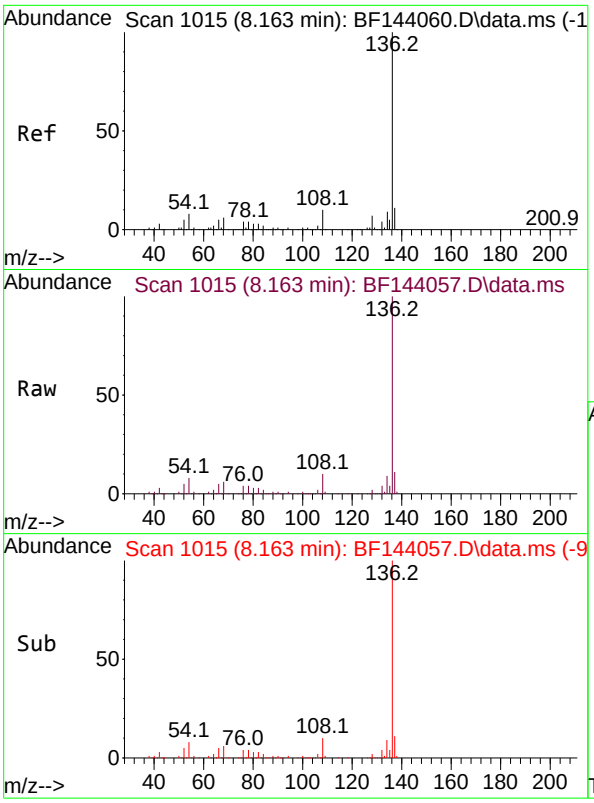


#19
n-Nitroso-di-n-propylamine
Concen: 5.380 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



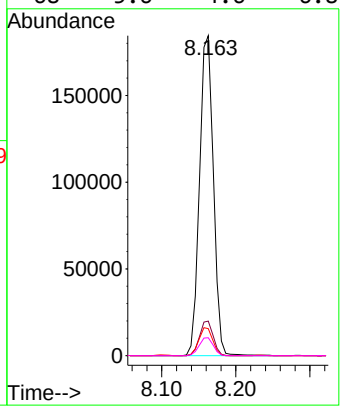


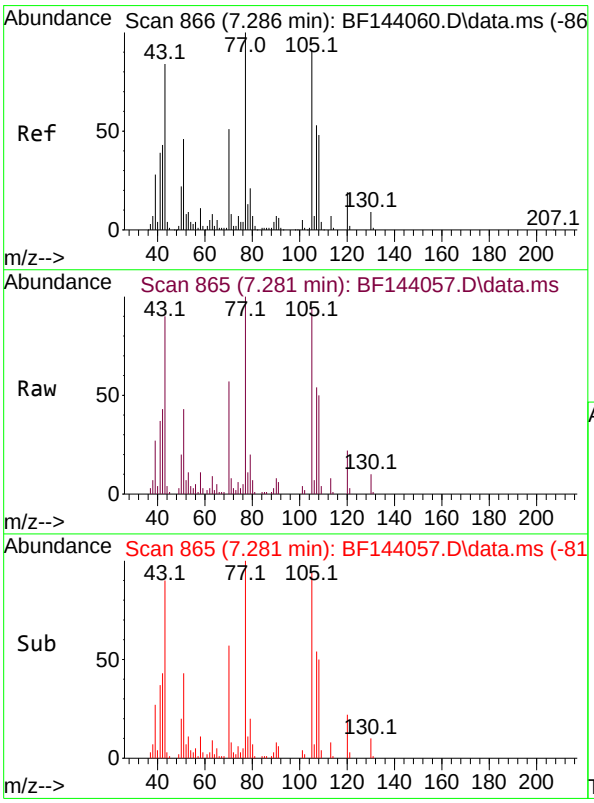
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

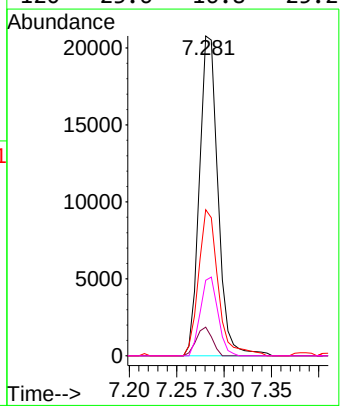


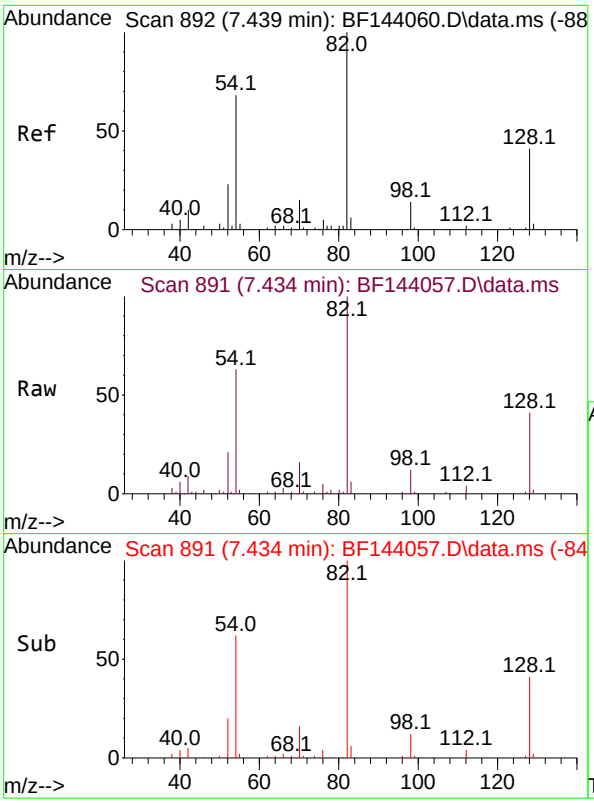


#22
Acetophenone
Concen: 5.471 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



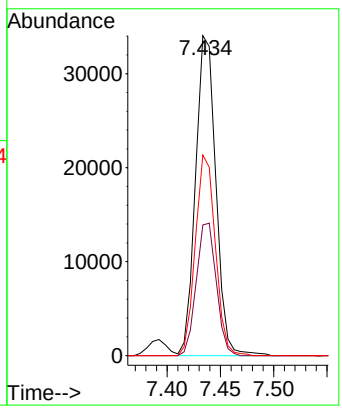


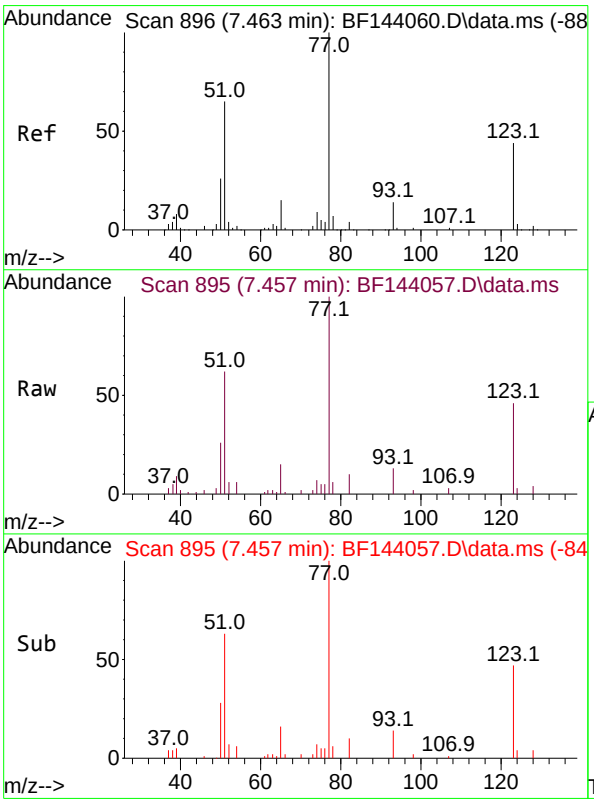
#23
Nitrobenzene-d5
Concen: 10.317 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

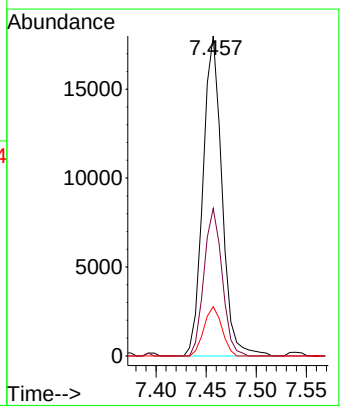


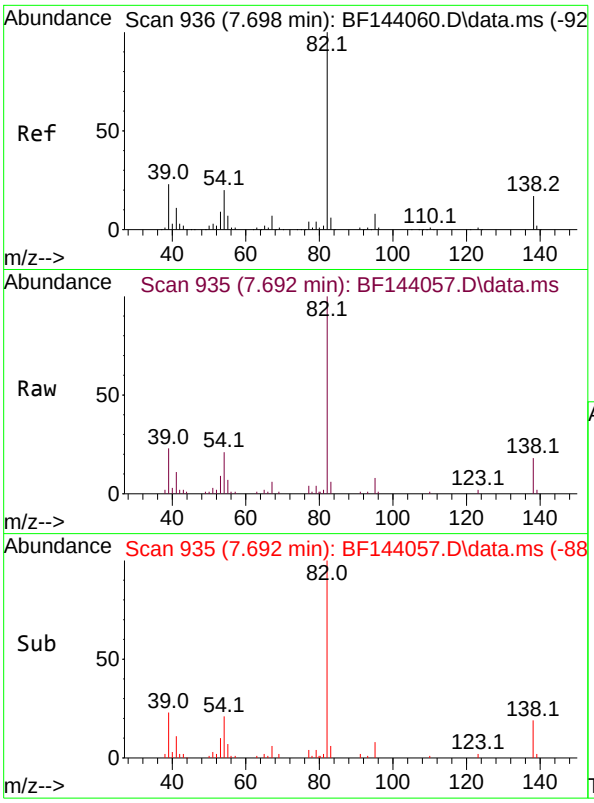


#24
Nitrobenzene
Concen: 5.111 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



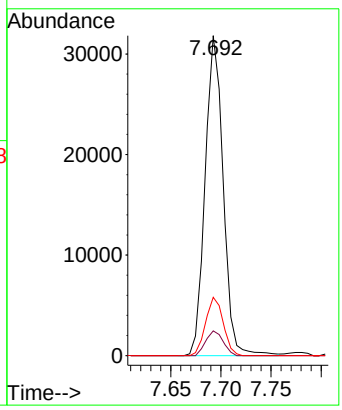


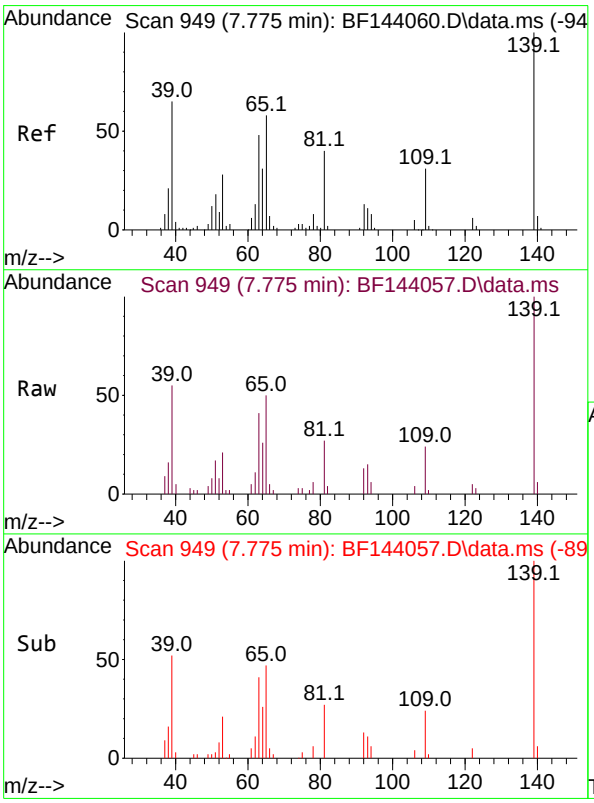
#25
Isophorone
Concen: 5.211 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

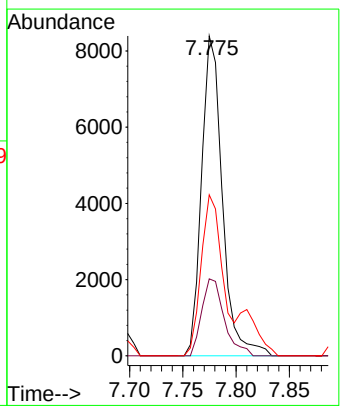


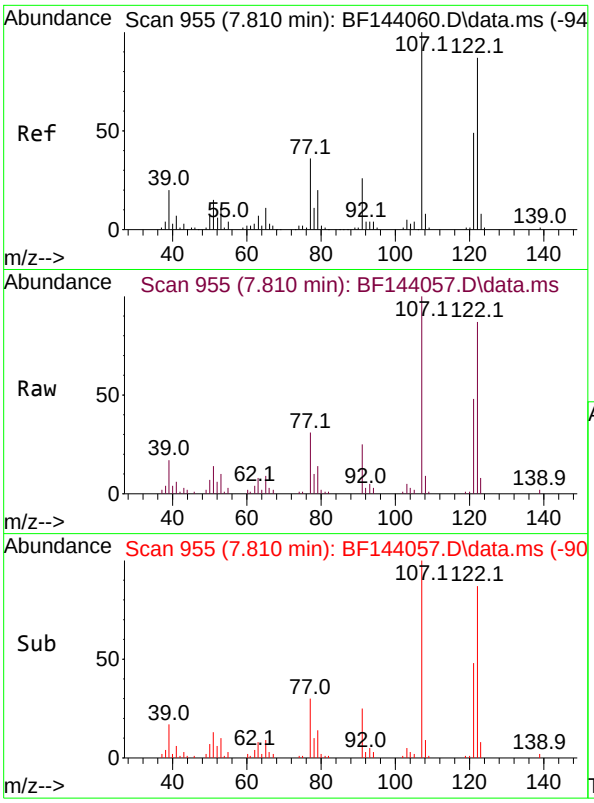


#26
2-Nitrophenol
Concen: 5.166 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



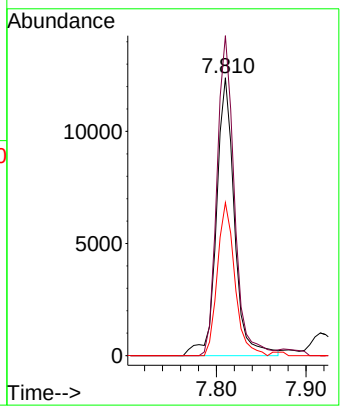


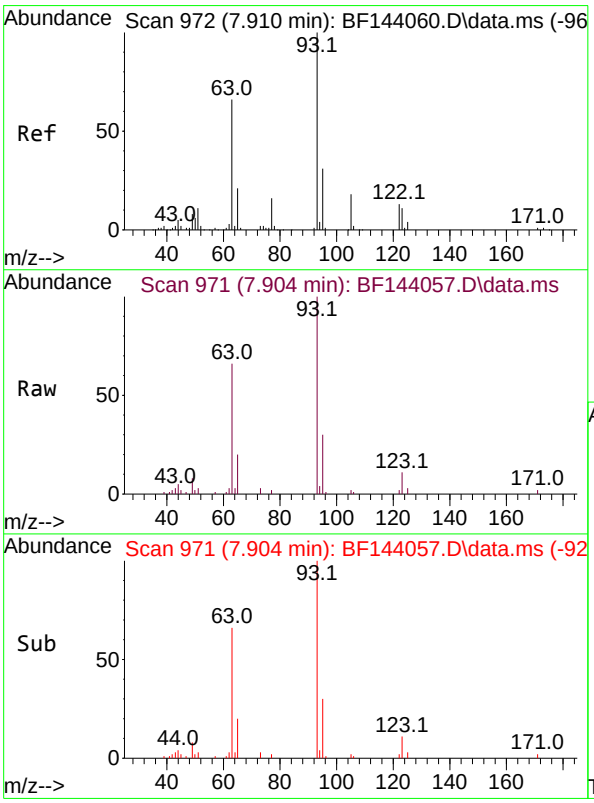
#27
2,4-Dimethylphenol
Concen: 5.287 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

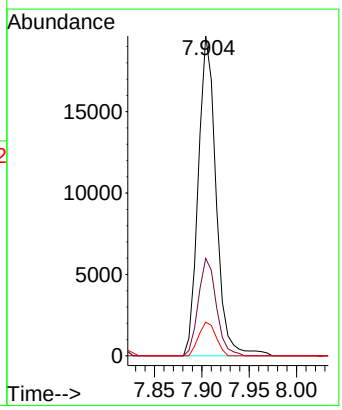


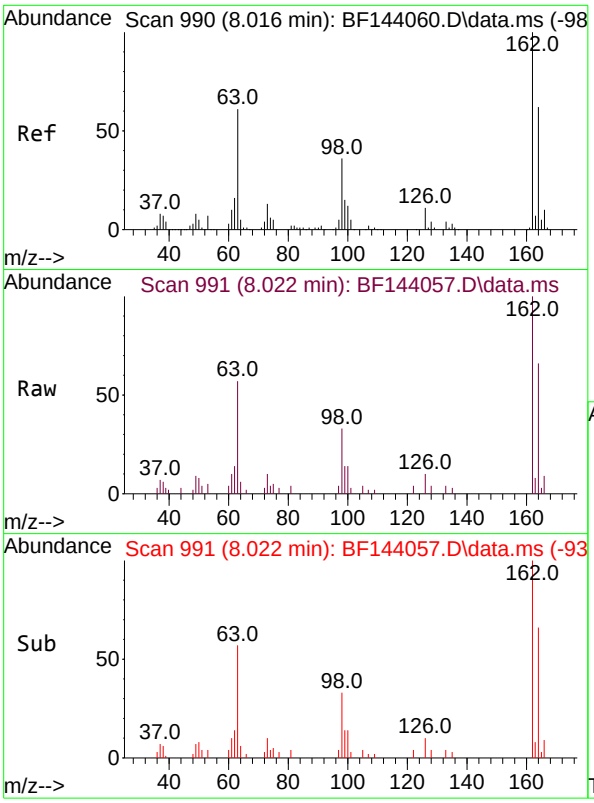


#28
bis(2-Chloroethoxy)methane
Concen: 5.399 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



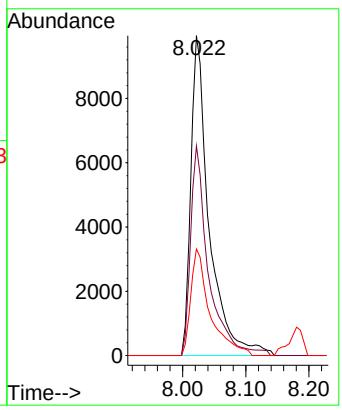


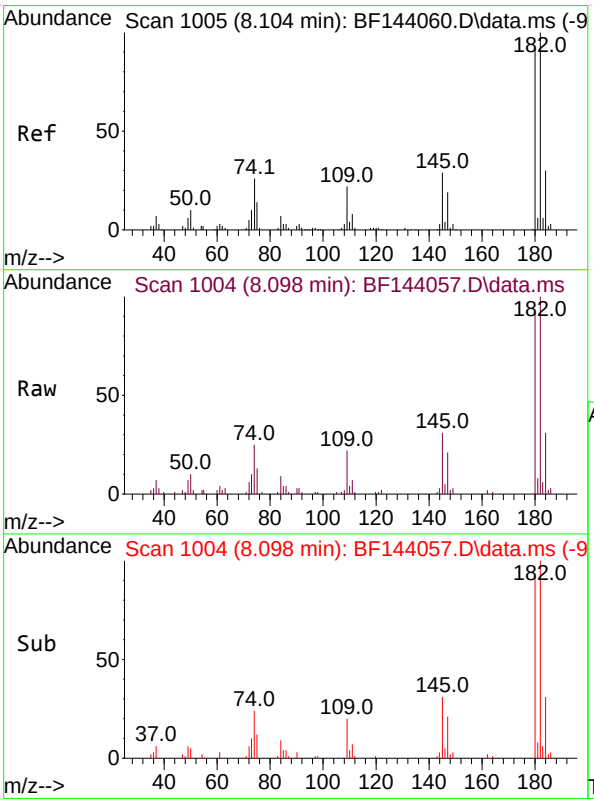
#29
2,4-Dichlorophenol
Concen: 5.259 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

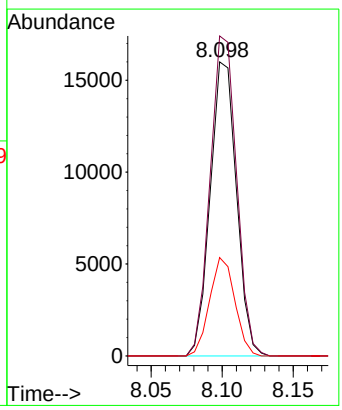


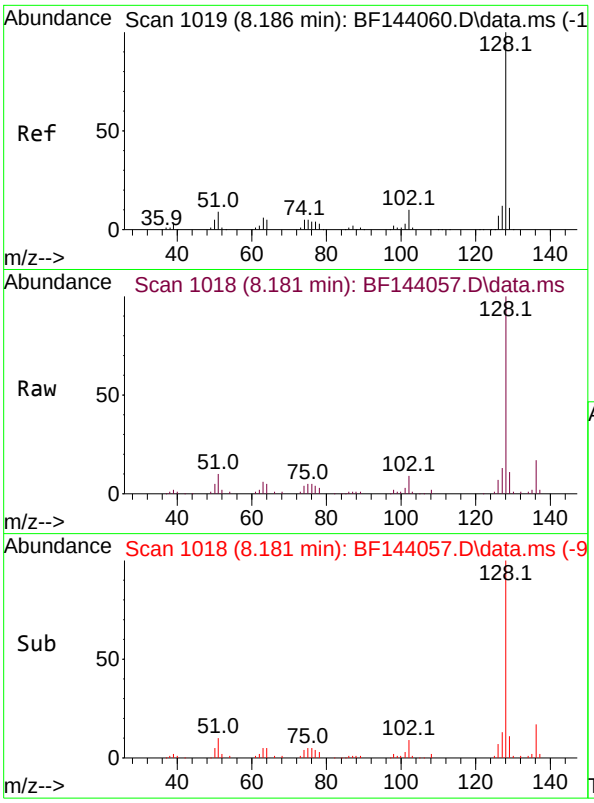


#30
1,2,4-Trichlorobenzene
Concen: 5.263 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



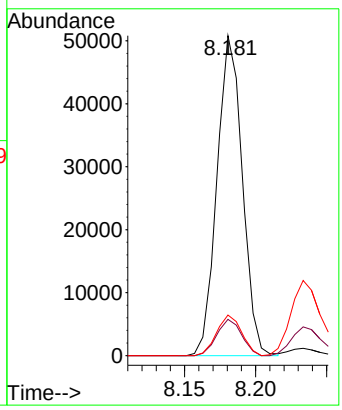


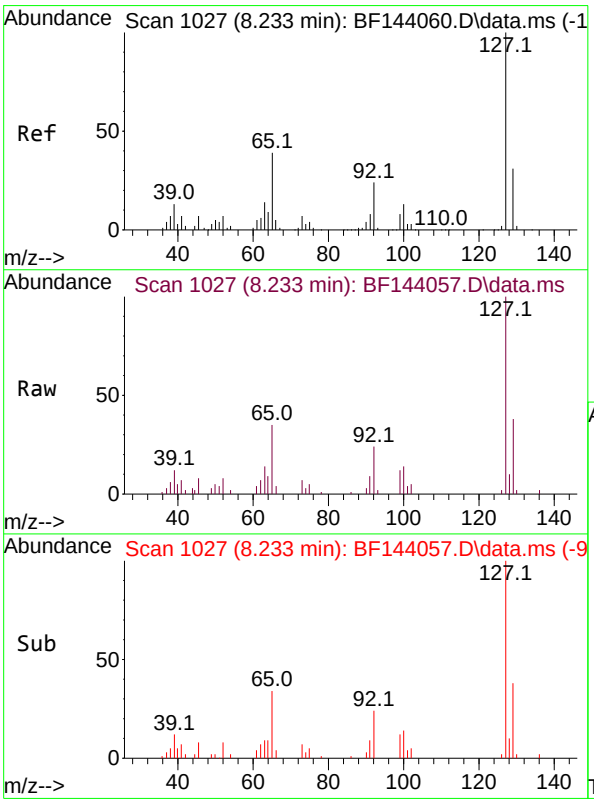
#31
Naphthalene
Concen: 5.585 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

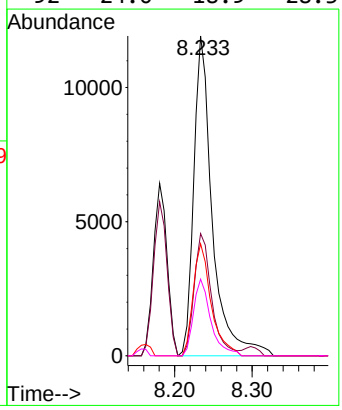


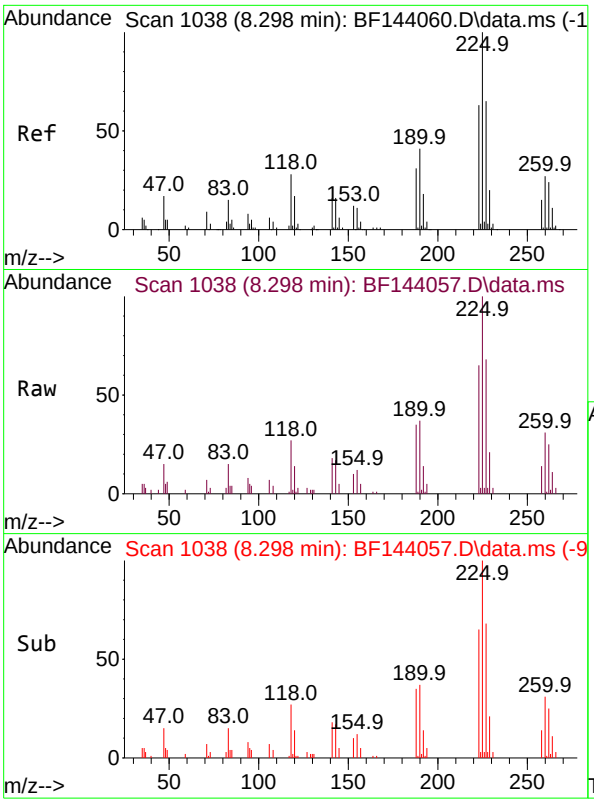


#33
4-Chloroaniline
Concen: 5.047 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



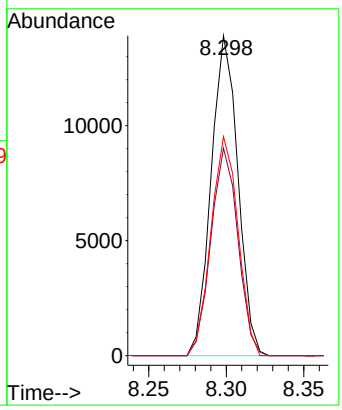


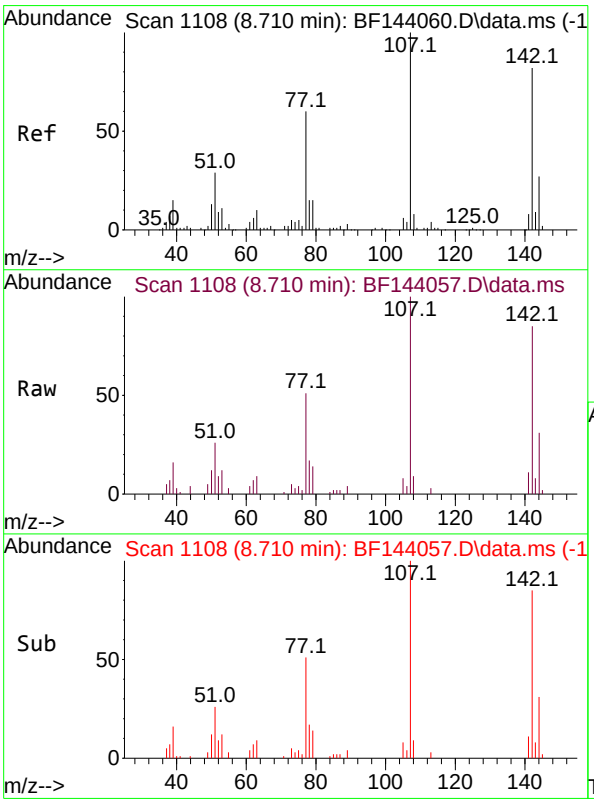
#34
Hexachlorobutadiene
Concen: 5.218 ng
RT: 8.298 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

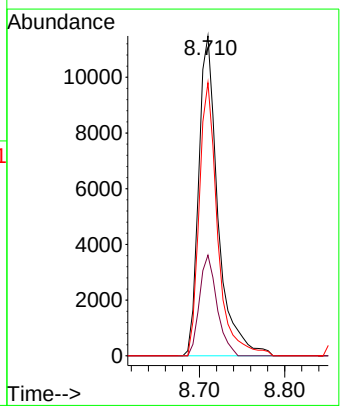


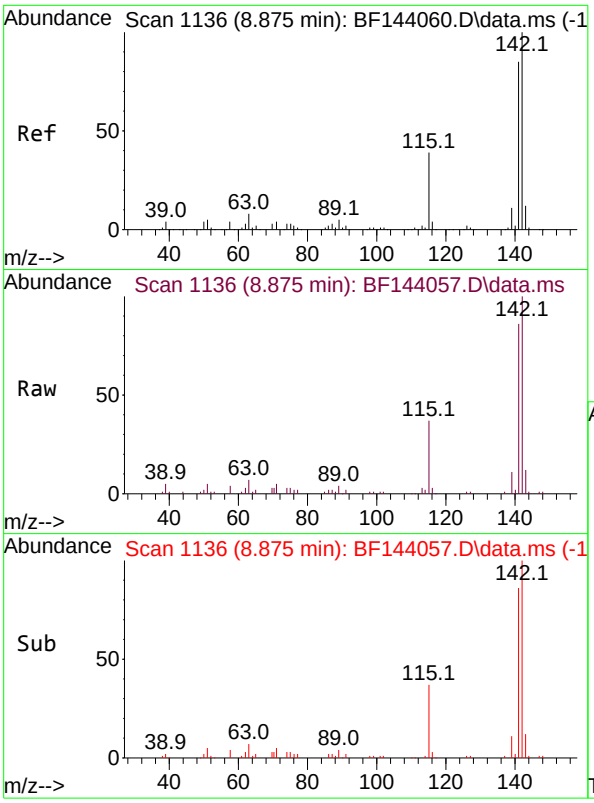


#36
4-Chloro-3-methylphenol
Concen: 5.384 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



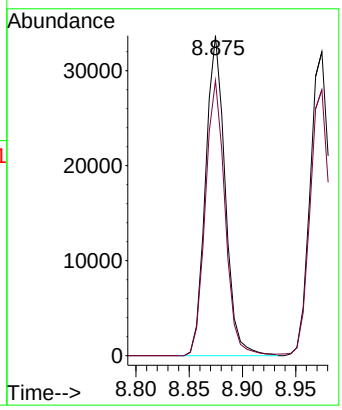


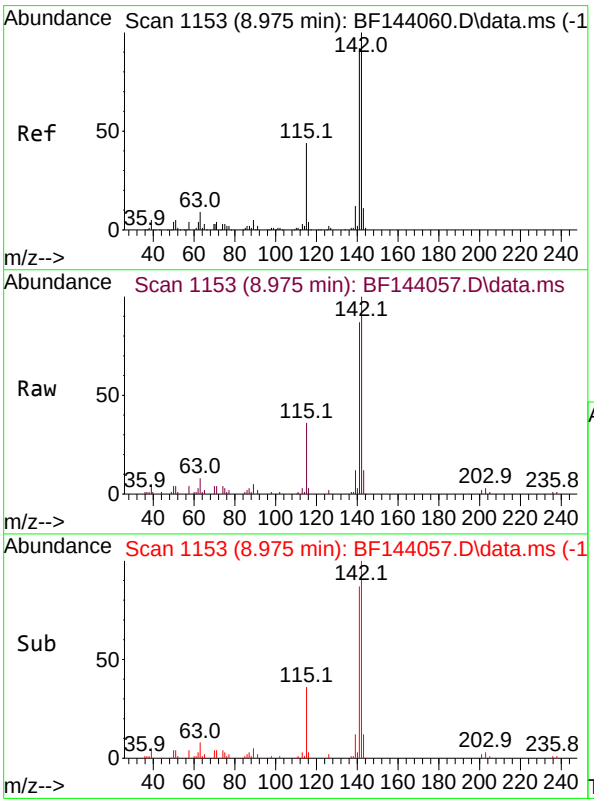
#37
2-Methylnaphthalene
Concen: 5.766 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 43006

Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.6	101.4

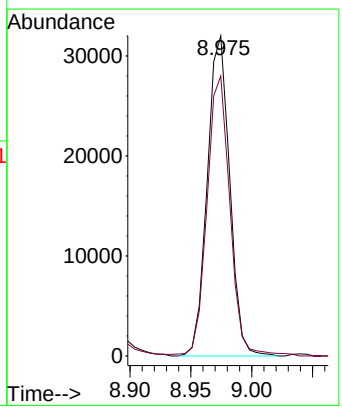


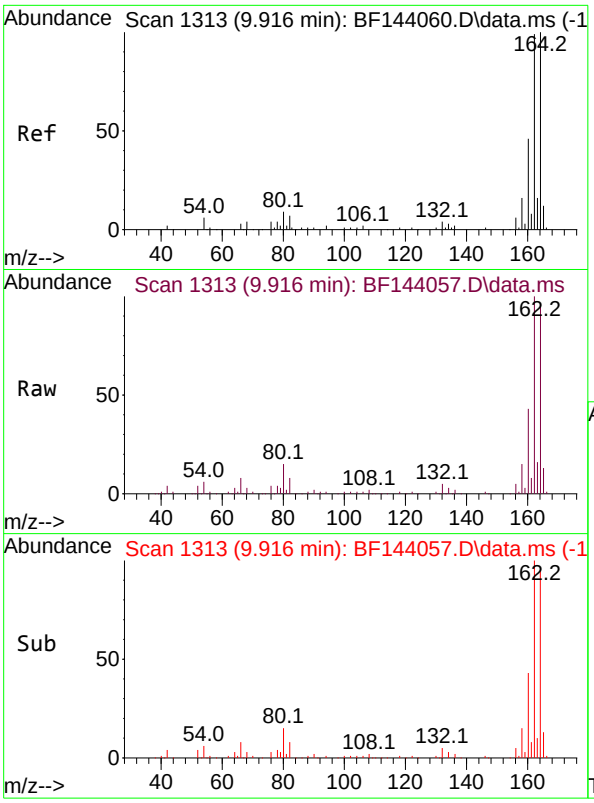


#38
1-Methylnaphthalene
Concen: 5.806 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:142 Resp: 41029

Ion	Ratio	Lower	Upper
142	100		
141	87.5	73.4	110.2



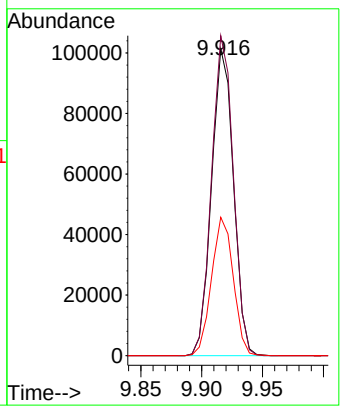


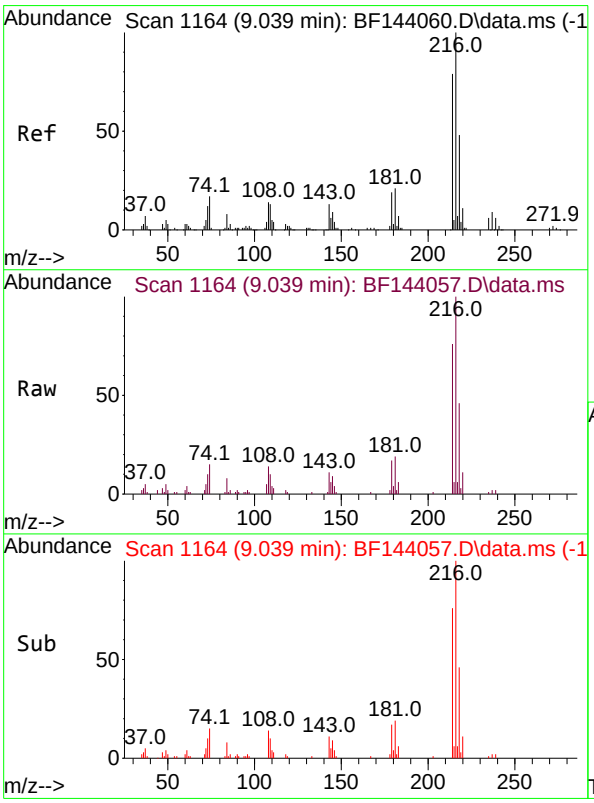
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

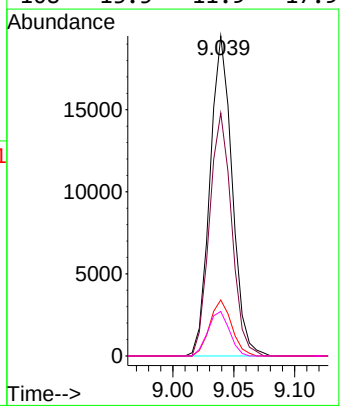


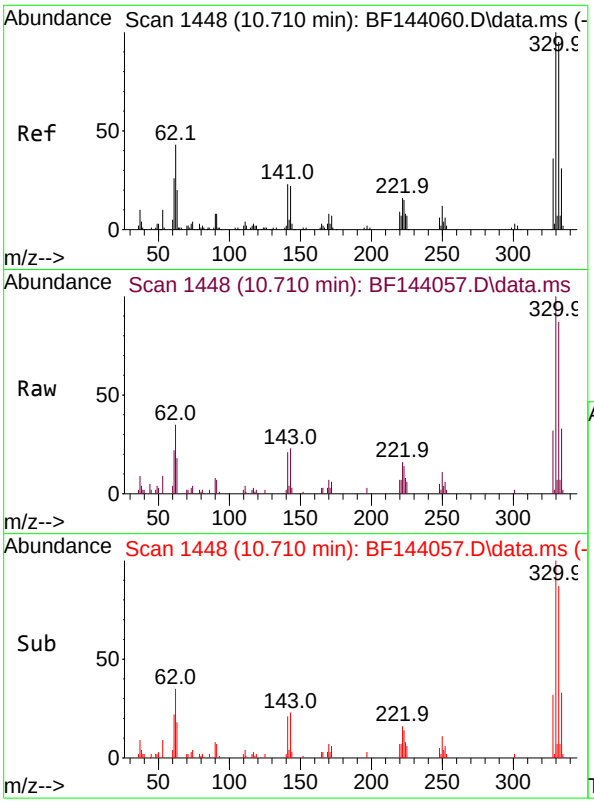


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.651 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



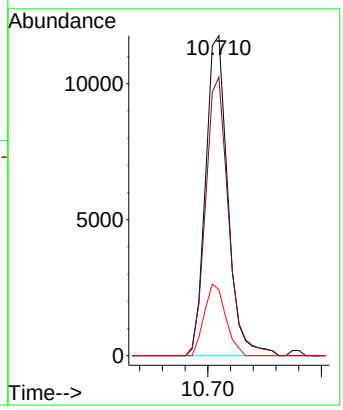


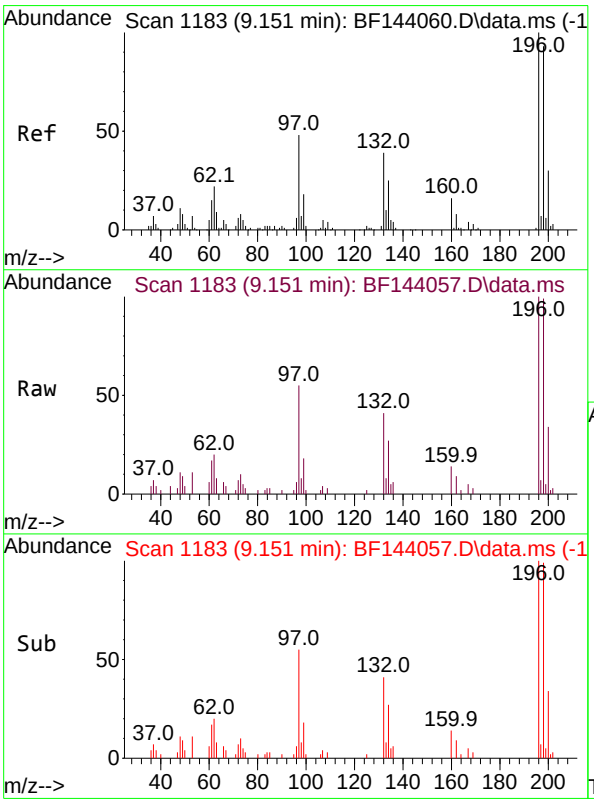
#42
2,4,6-Tribromophenol
Concen: 9.848 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

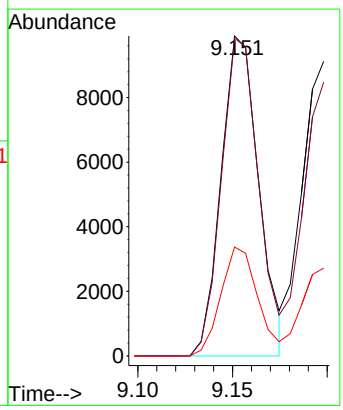


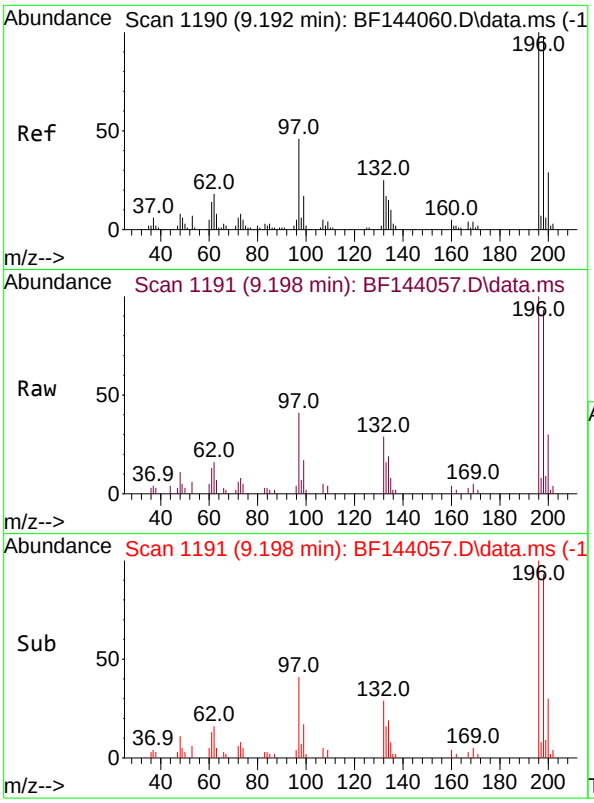


#43
2,4,6-Trichlorophenol
Concen: 4.813 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



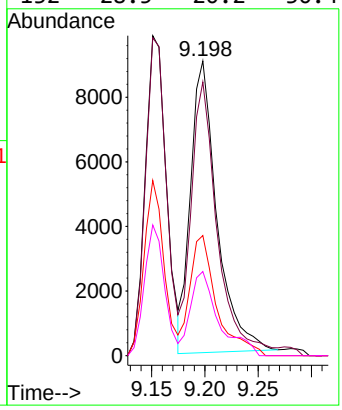


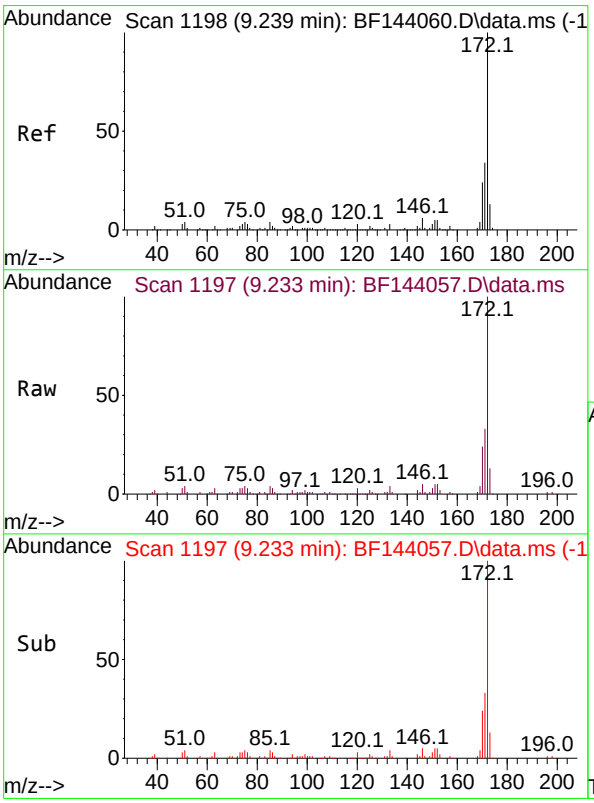
#44
2,4,5-Trichlorophenol
Concen: 5.208 ng
RT: 9.198 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

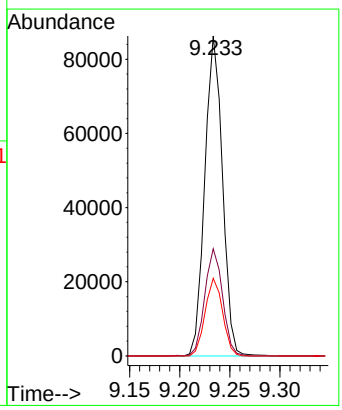


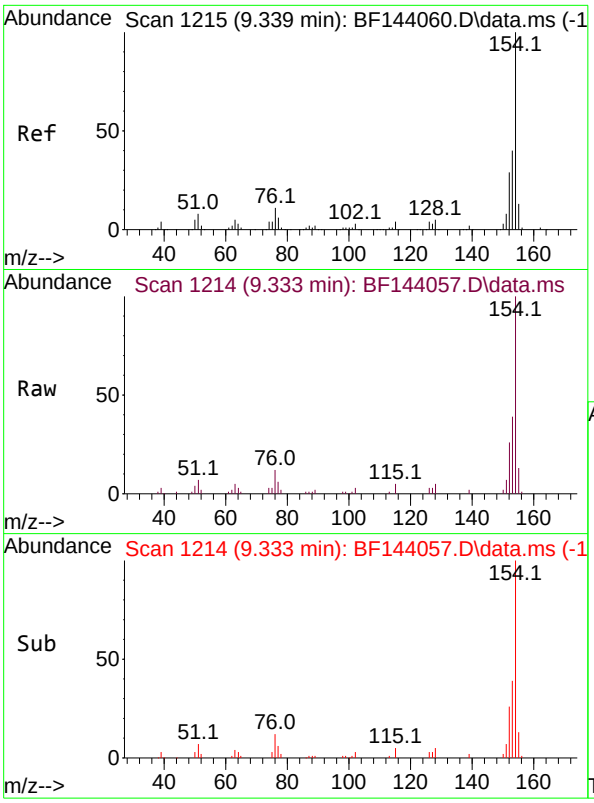


#45
2-Fluorobiphenyl
Concen: 11.641 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



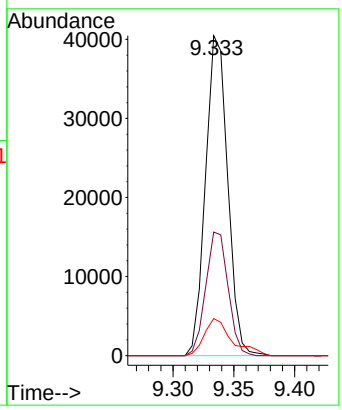


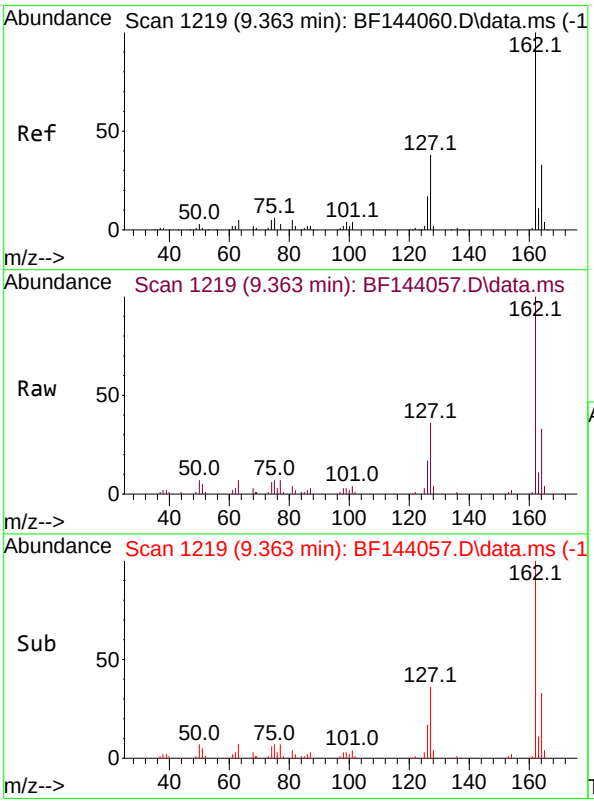
#46
1,1'-Biphenyl
Concen: 5.635 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

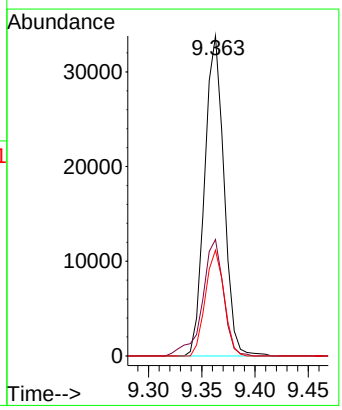


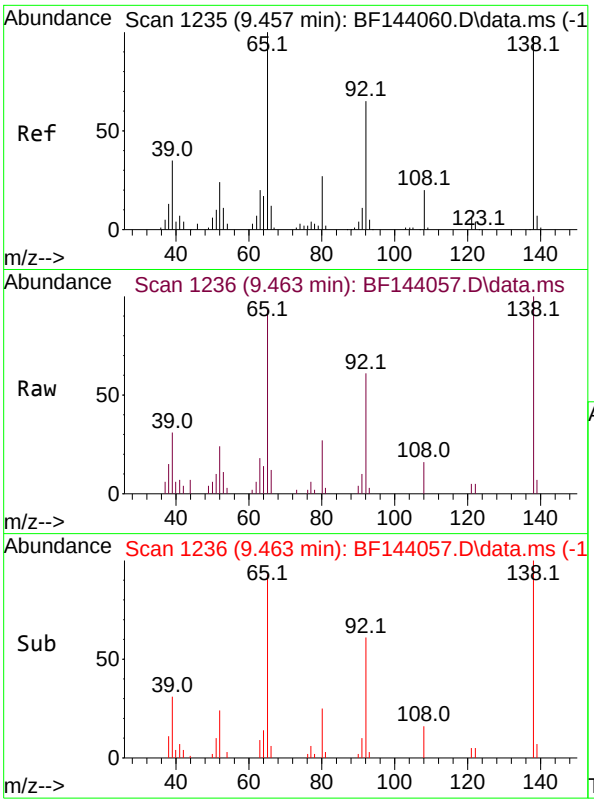


#47
2-Chloronaphthalene
Concen: 5.571 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



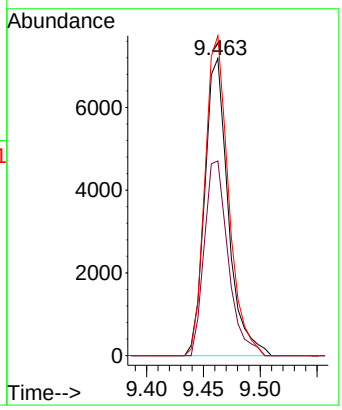


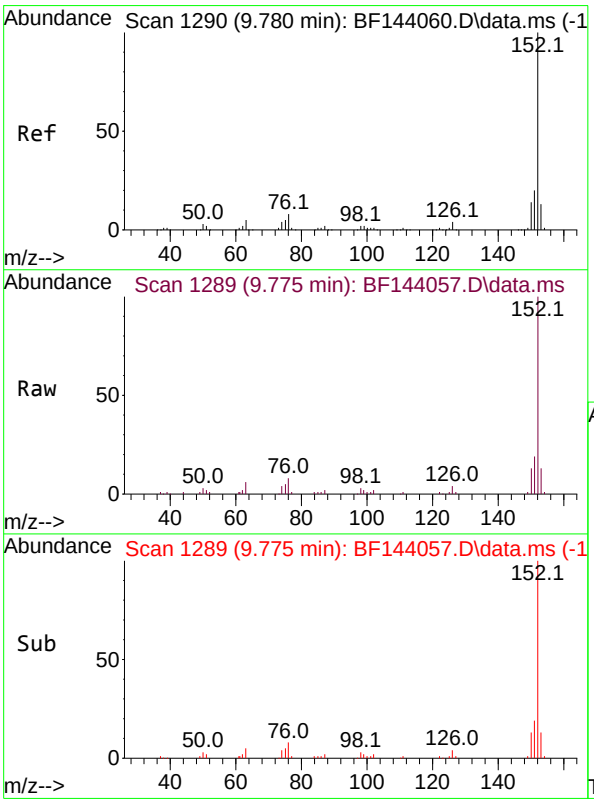
#48
2-Nitroaniline
Concen: 4.568 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

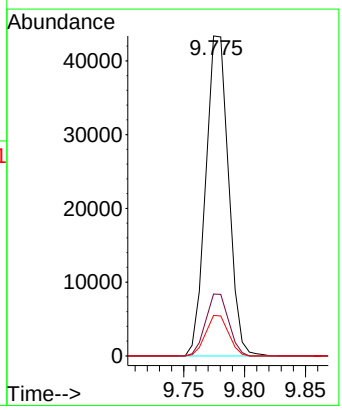


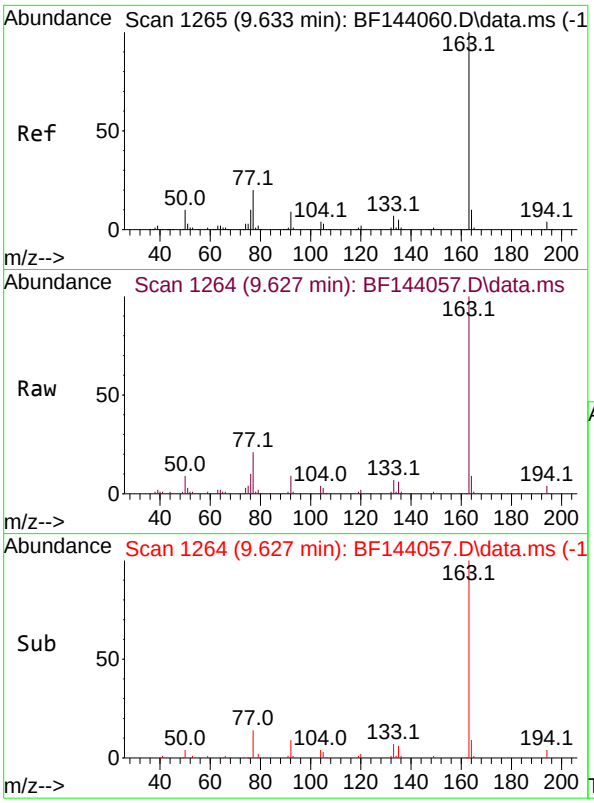


#49
Acenaphthylene
Concen: 5.502 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



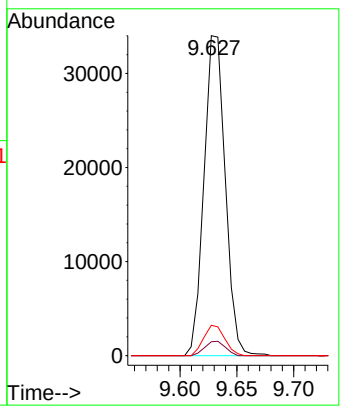


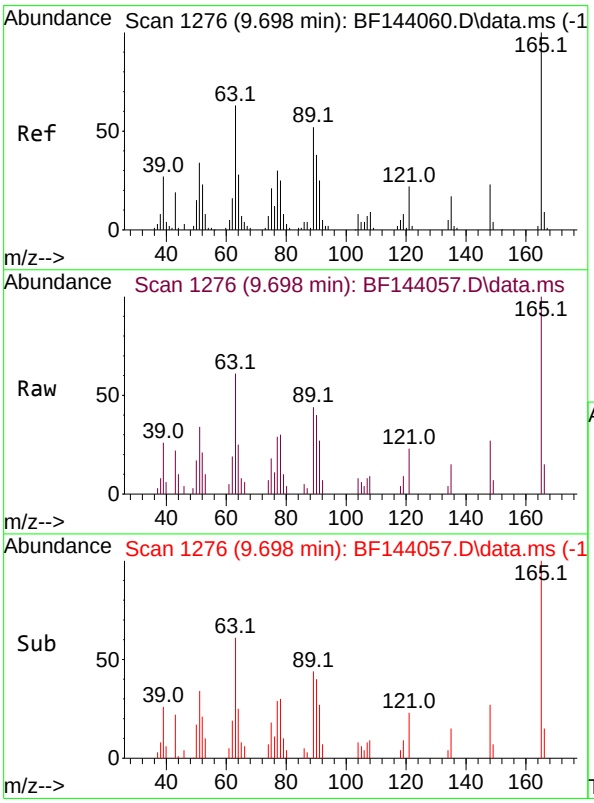
#50
Dimethylphthalate
Concen: 5.332 ng
RT: 9.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

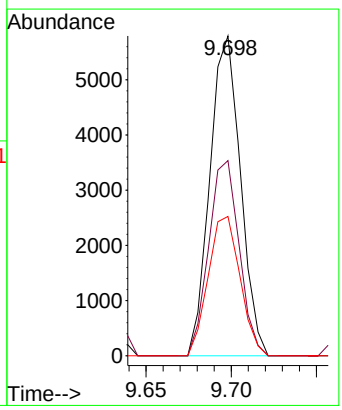


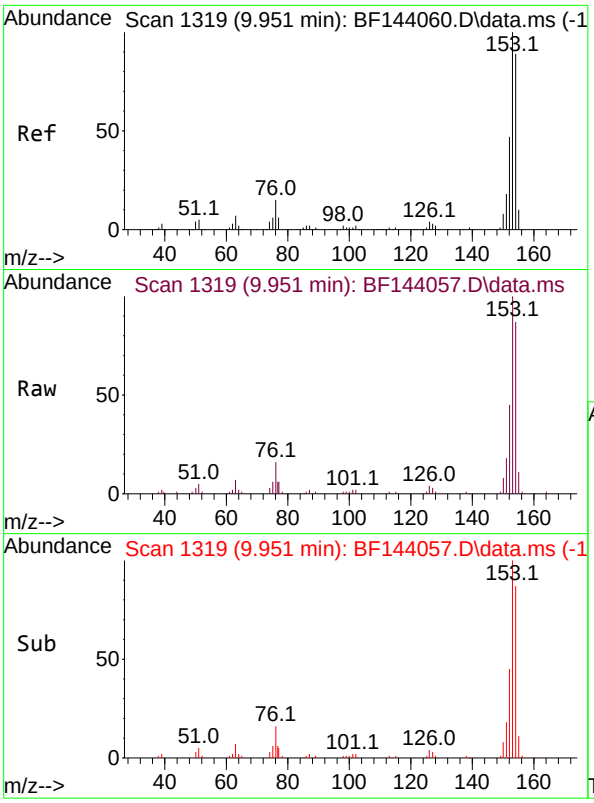


#51
2,6-Dinitrotoluene
Concen: 4.392 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



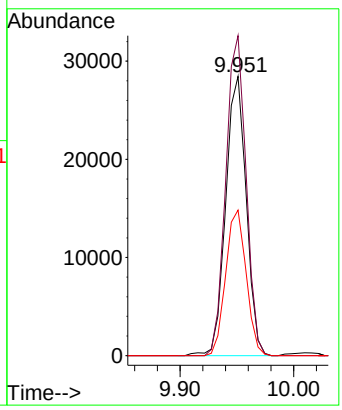


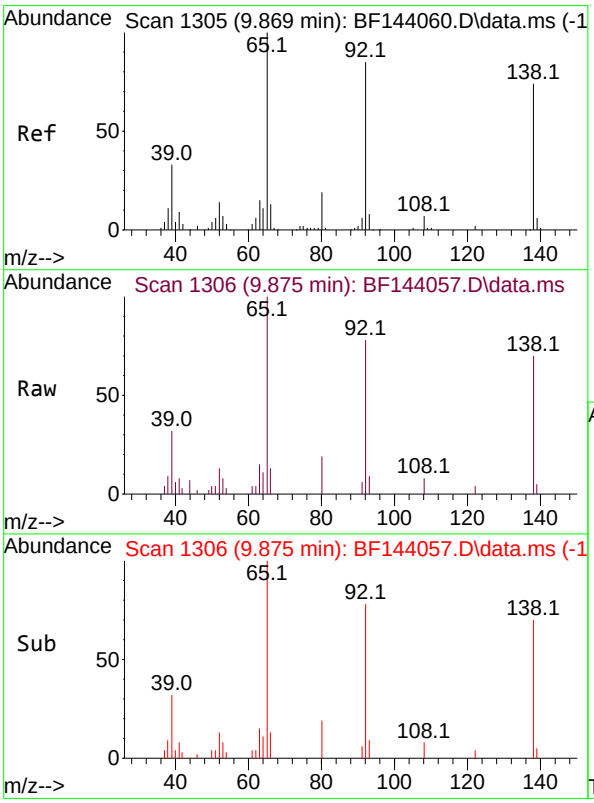
#52
Acenaphthene
Concen: 5.208 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

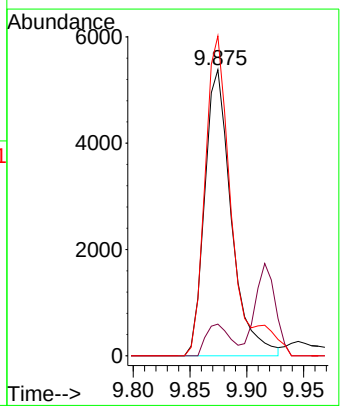


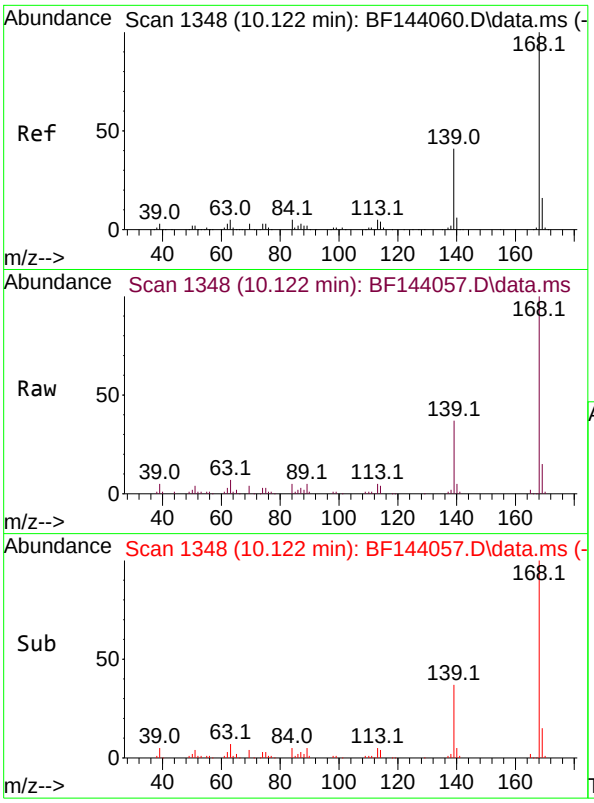


#53
3-Nitroaniline
Concen: 4.792 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



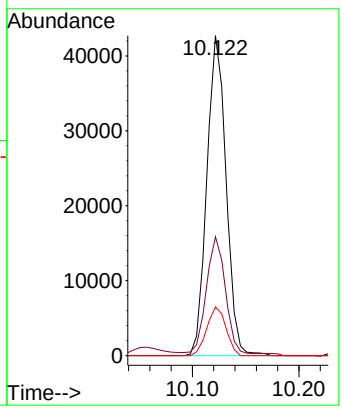


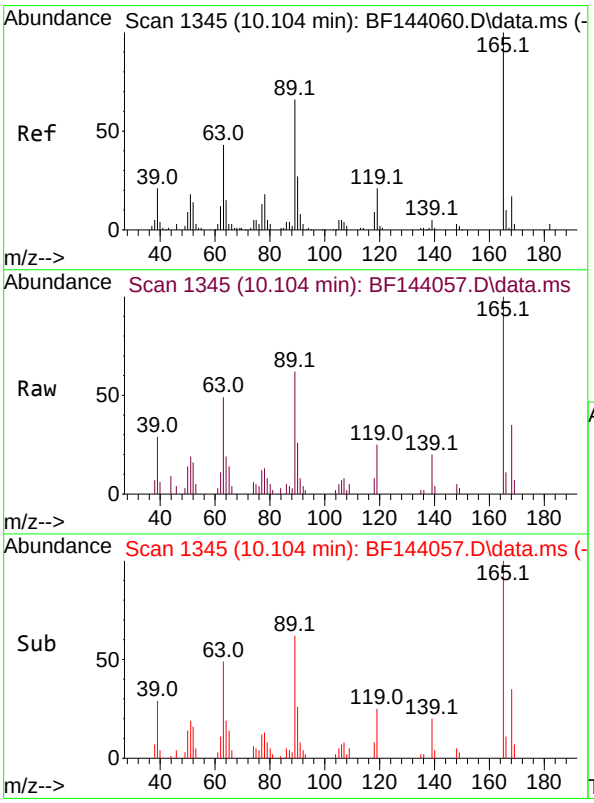
#55
Dibenzofuran
Concen: 5.620 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

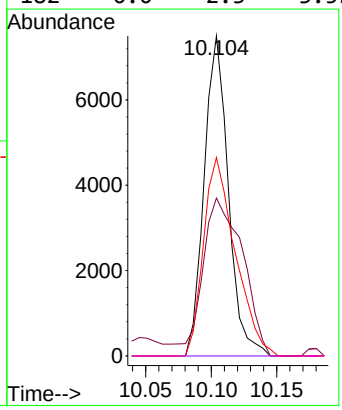


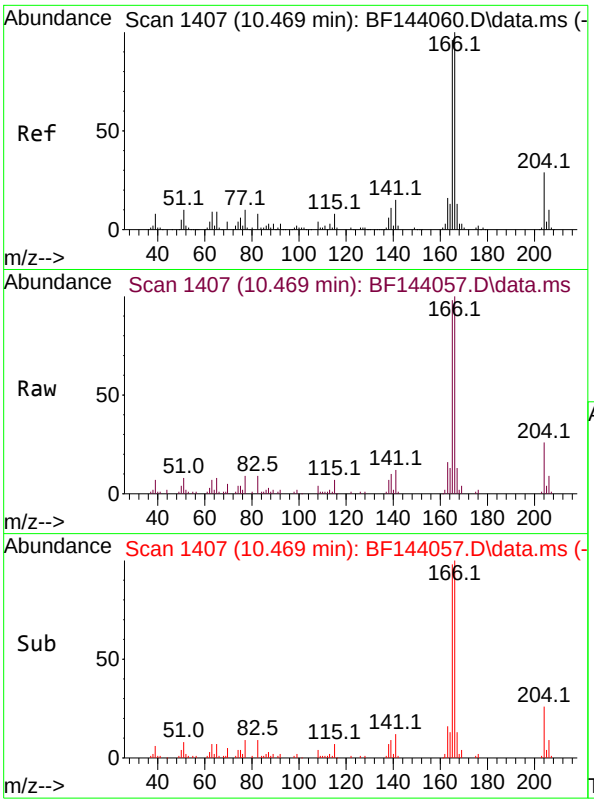


#57
2,4-Dinitrotoluene
Concen: 4.312 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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#



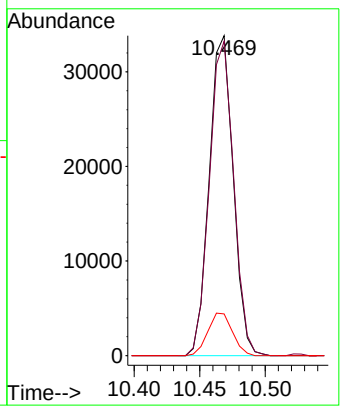


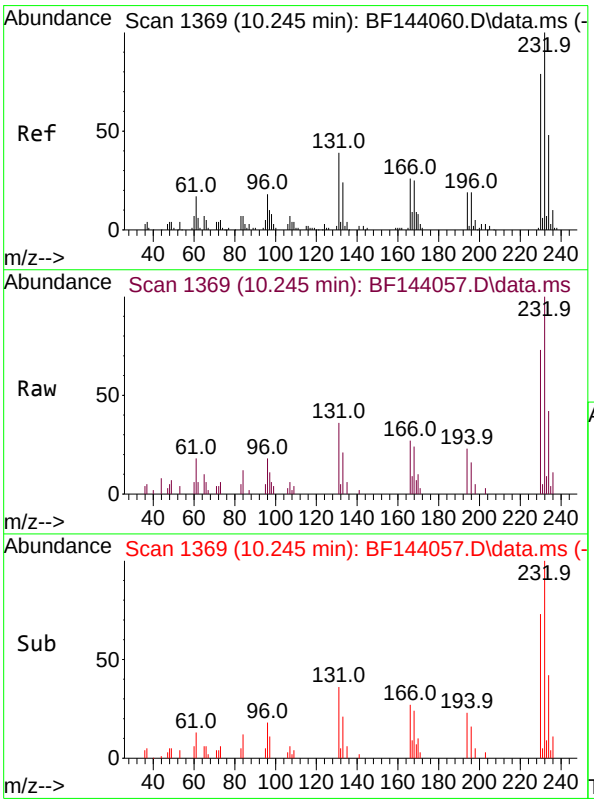
#58
Fluorene
Concen: 5.948 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

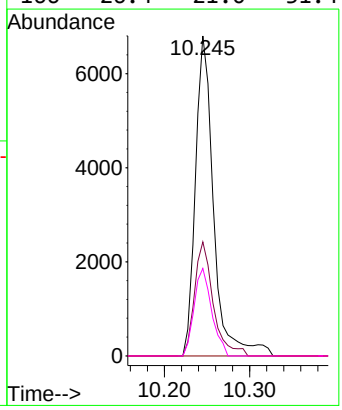


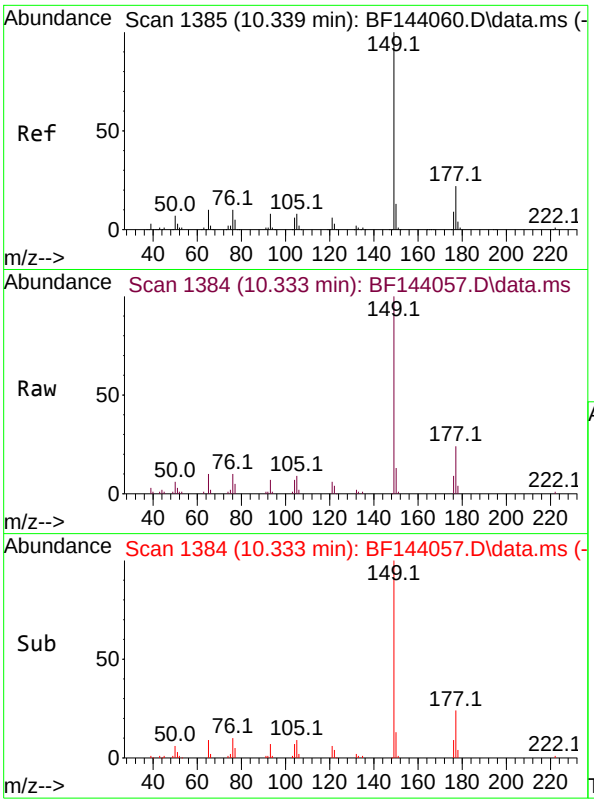


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.793 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



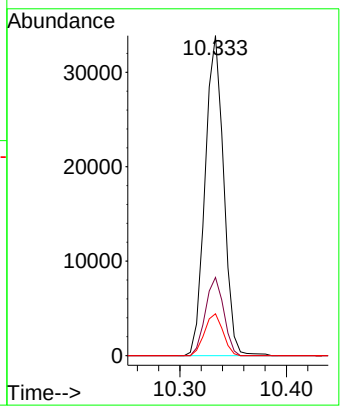


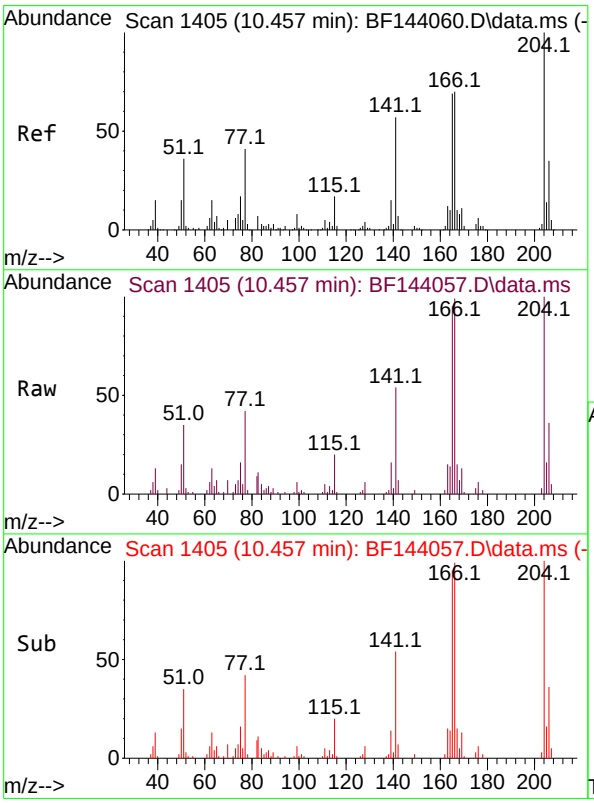
#60
Diethylphthalate
Concen: 5.215 ng
RT: 10.333 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

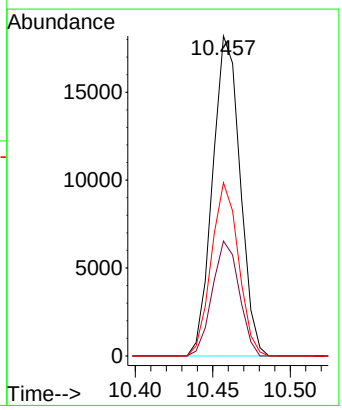


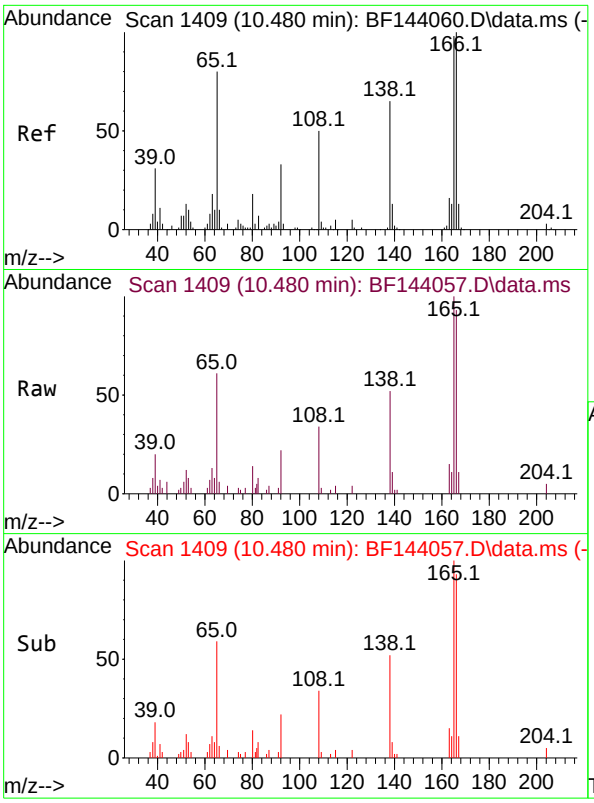


#61
4-Chlorophenyl-phenylether
Concen: 5.491 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



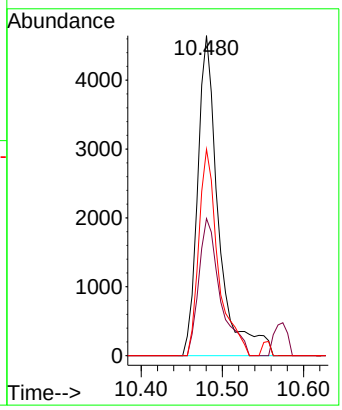


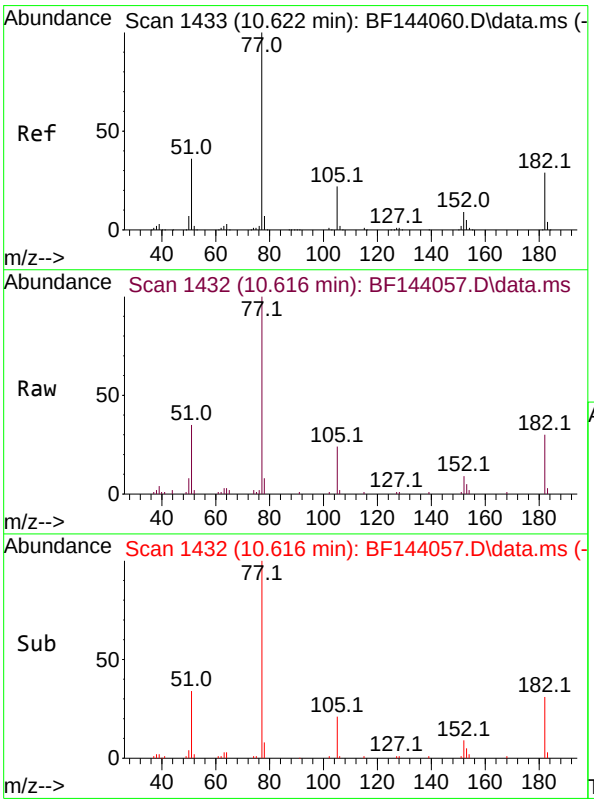
#62
4-Nitroaniline
Concen: 4.789 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

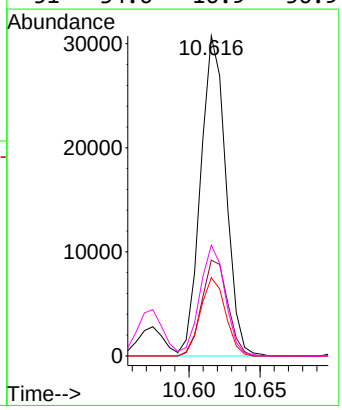


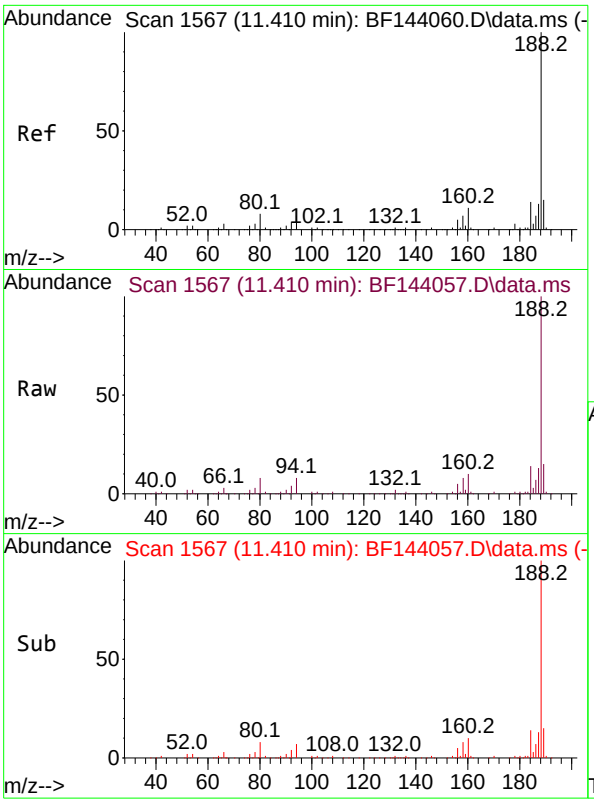


#63
Azobenzene
Concen: 5.106 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



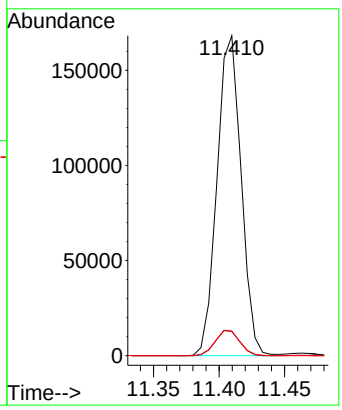


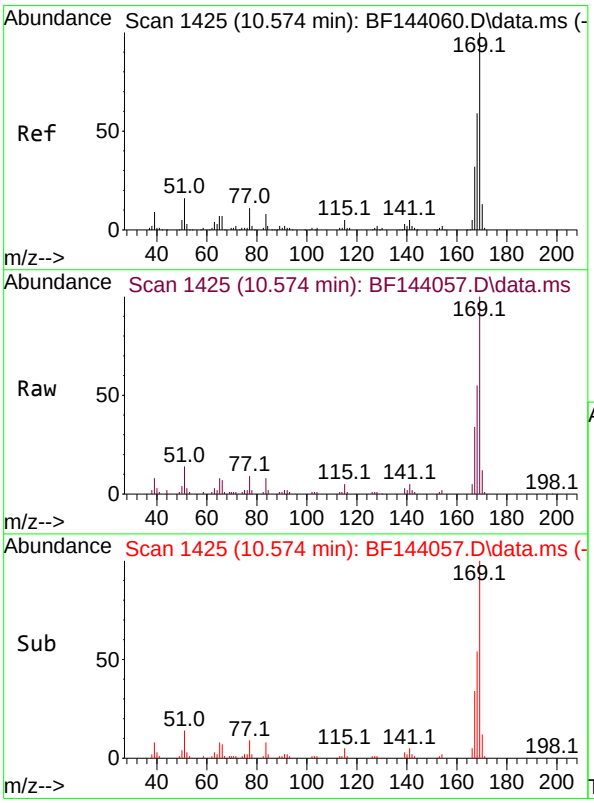
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

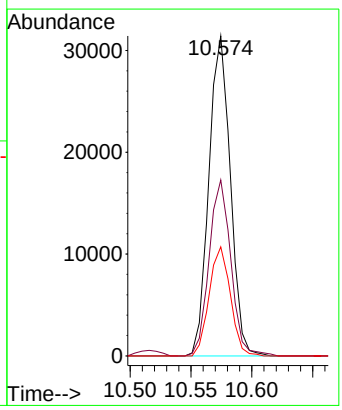


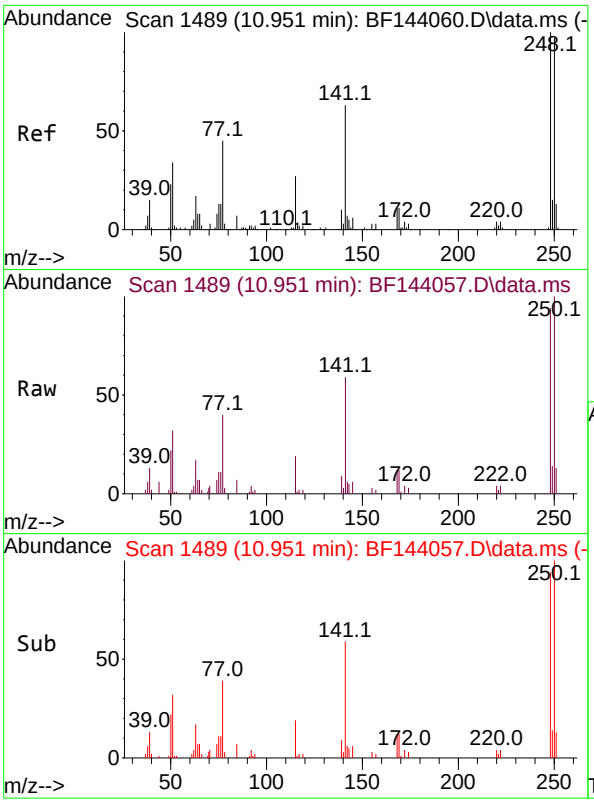


#66
n-Nitrosodiphenylamine
Concen: 5.599 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



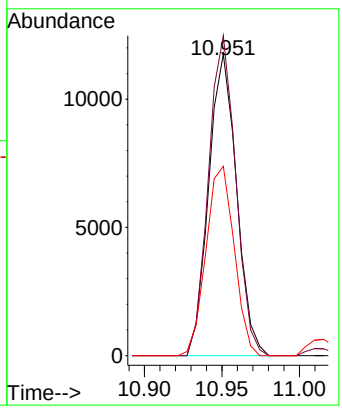


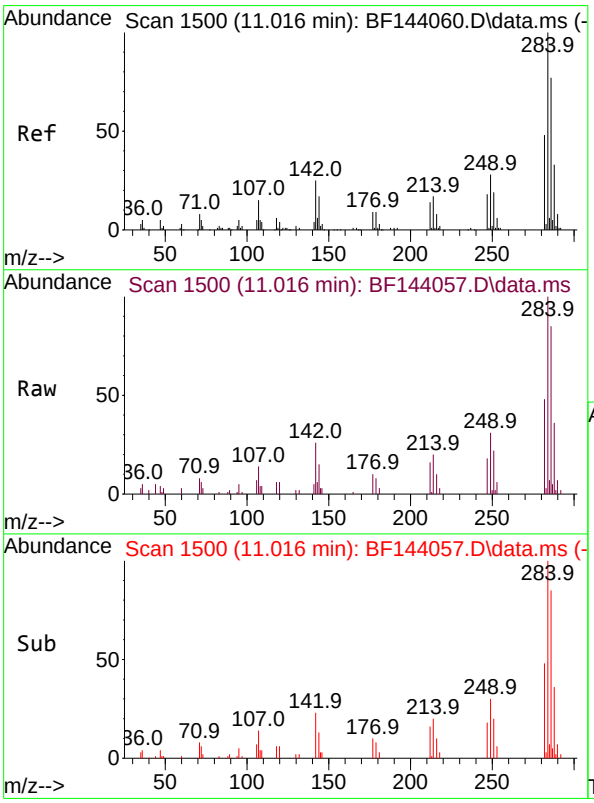
#67
4-Bromophenyl-phenylether
Concen: 5.466 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

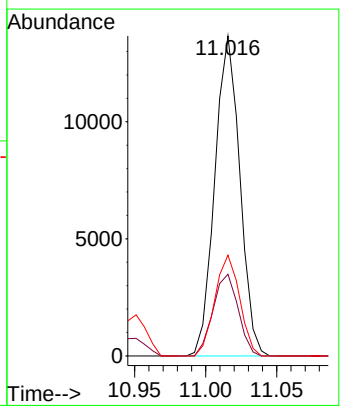


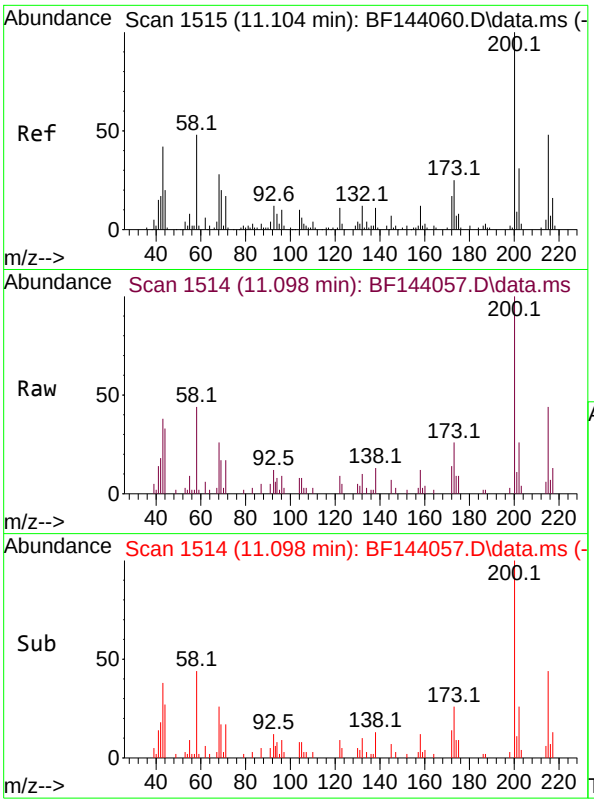


#68
Hexachlorobenzene
Concen: 5.070 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



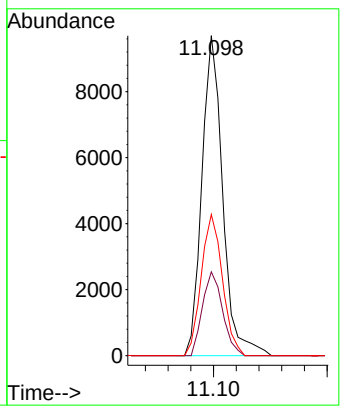


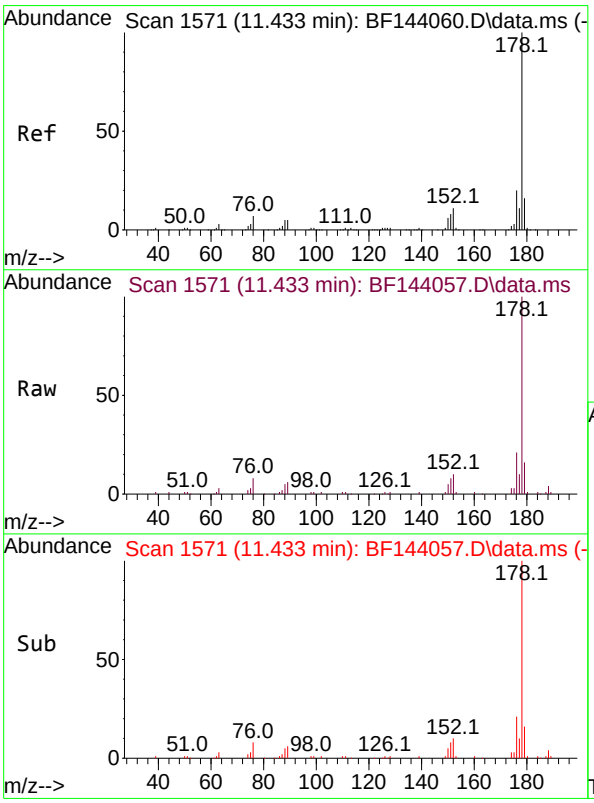
#69
Atrazine
Concen: 5.458 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

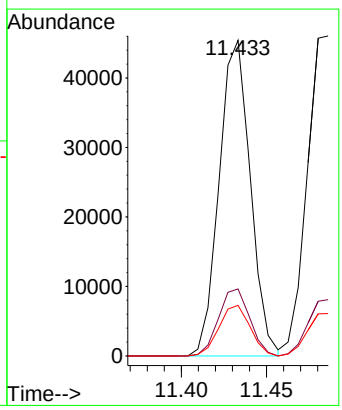


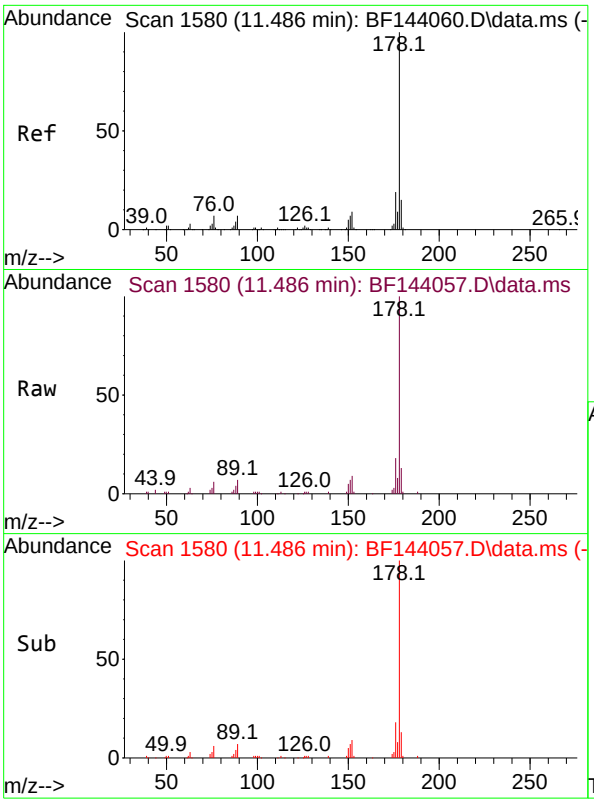


#71
Phenanthrene
Concen: 5.398 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



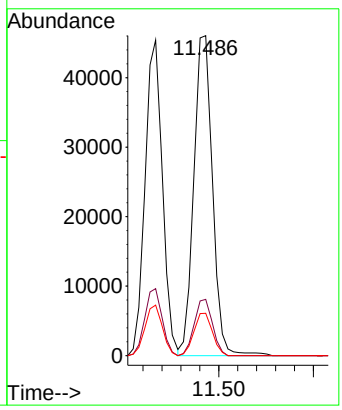


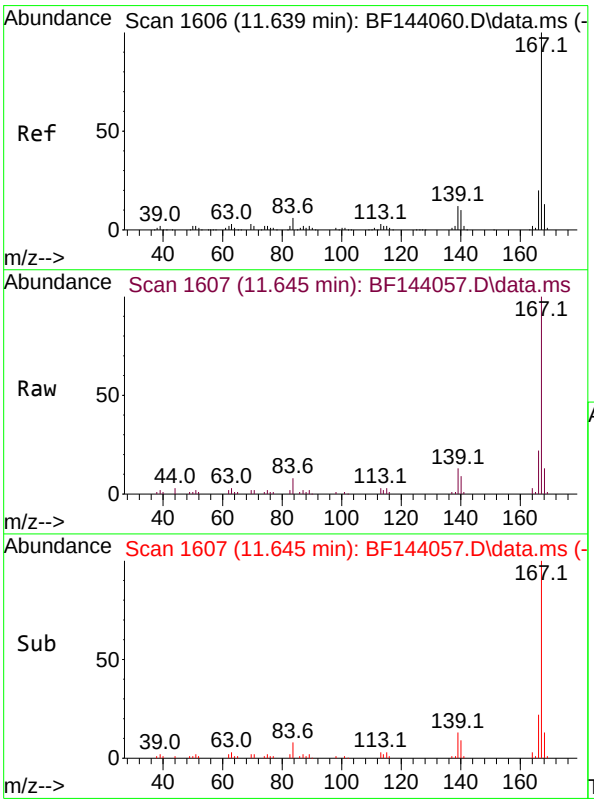
#72
Anthracene
Concen: 5.704 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

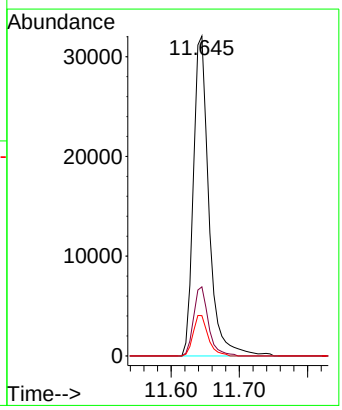


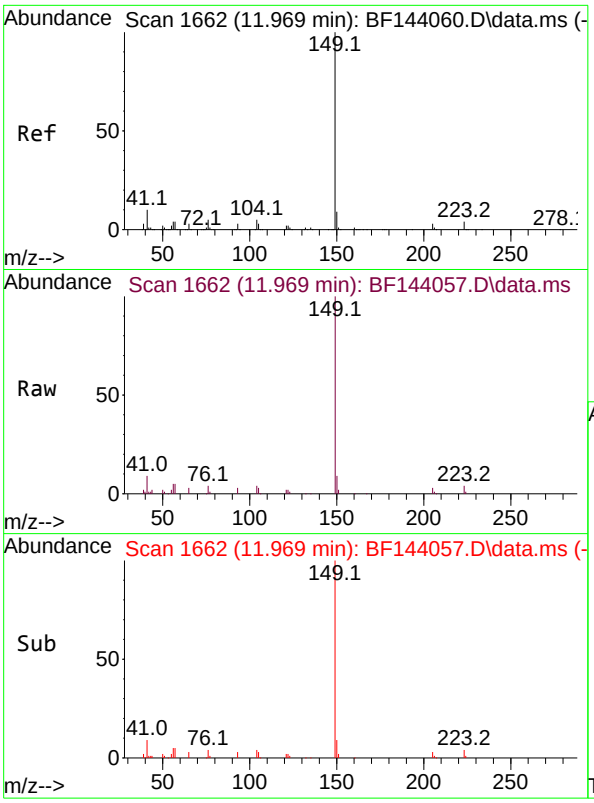


#73
Carbazole
Concen: 5.399 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



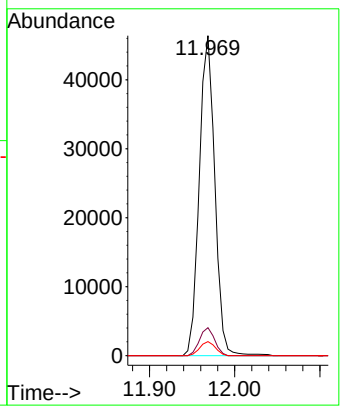


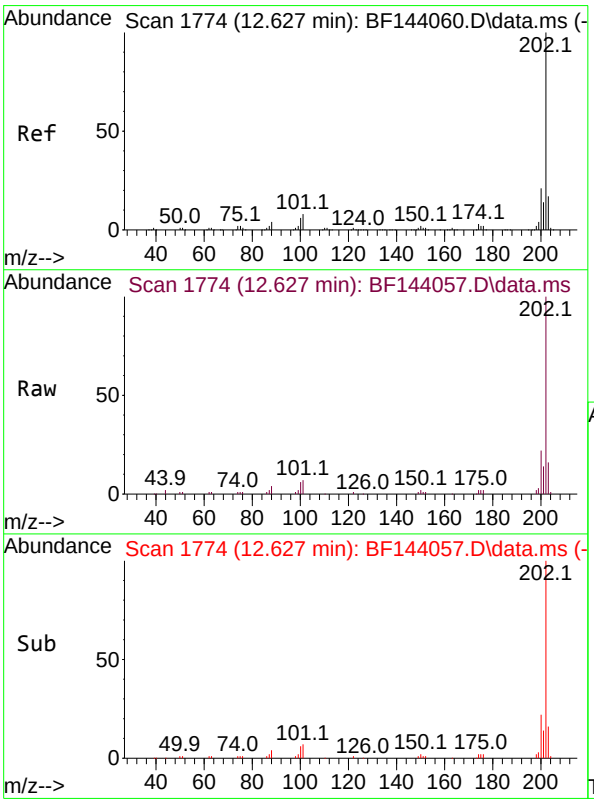
#74
Di-n-butylphthalate
Concen: 5.088 ng
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

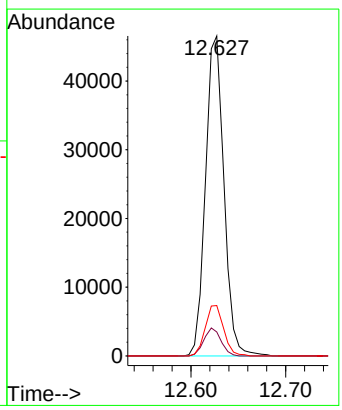


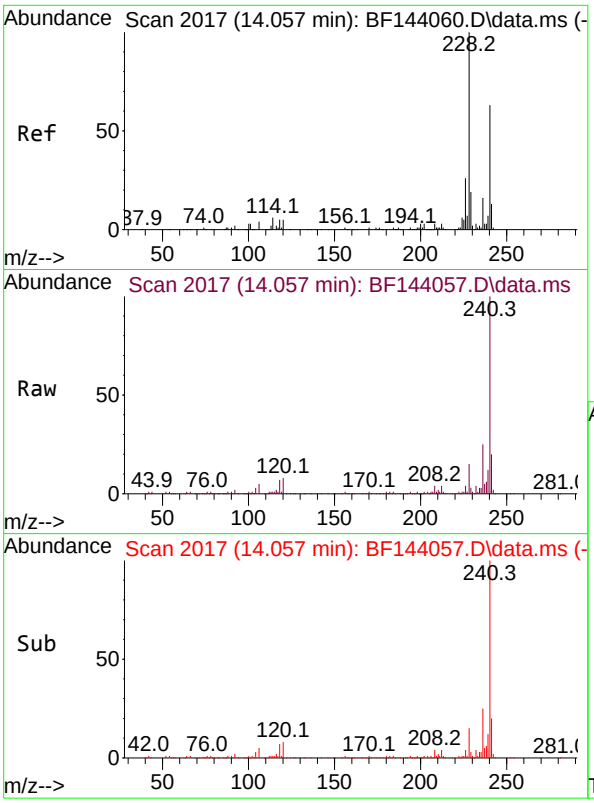


#75
Fluoranthene
Concen: 5.333 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



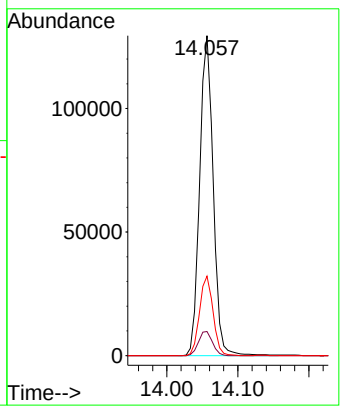


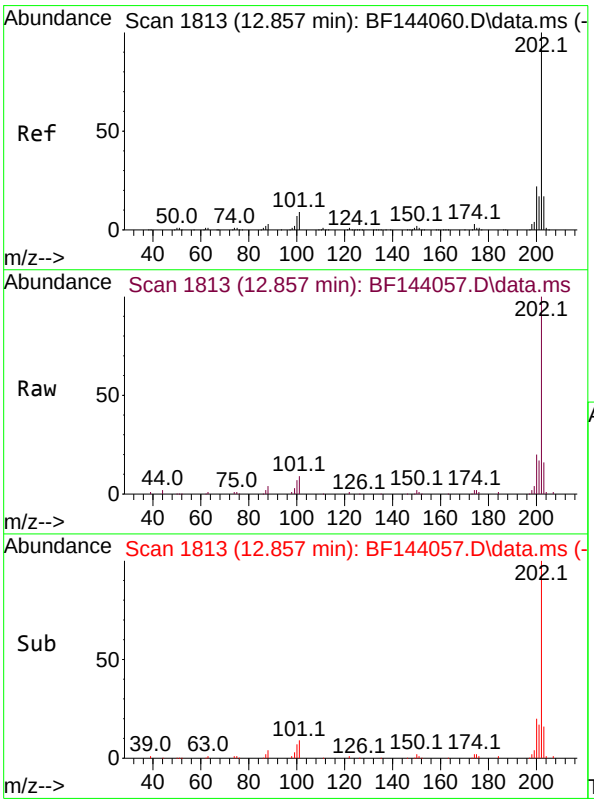
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

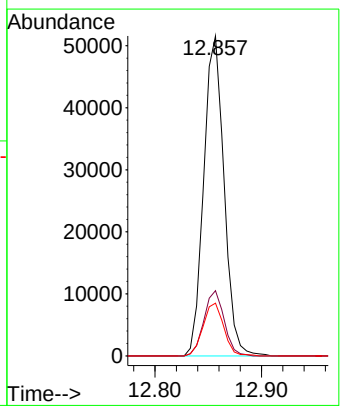


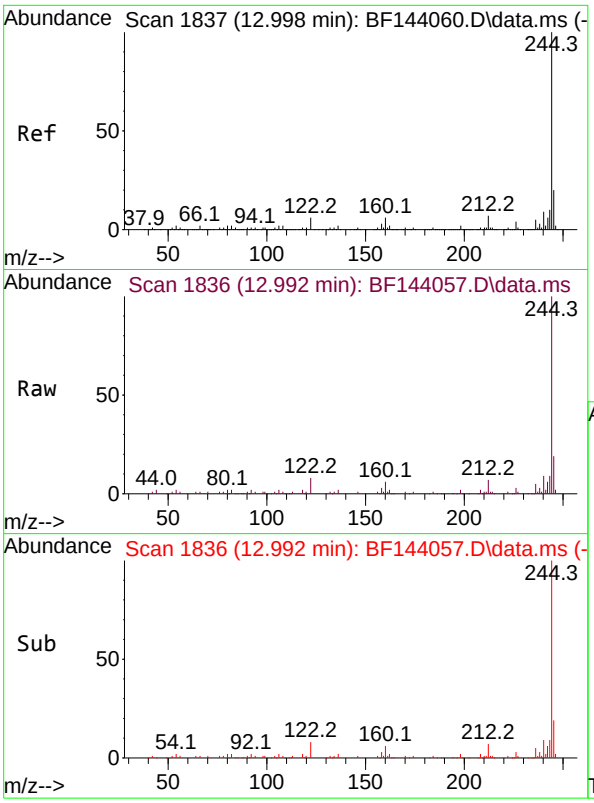


#78
Pyrene
Concen: 5.573 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



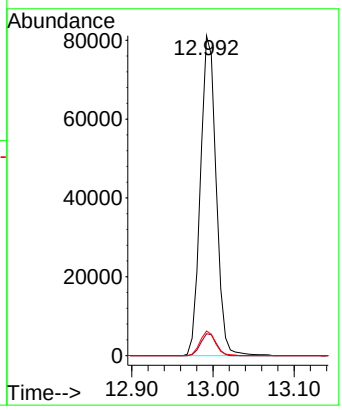


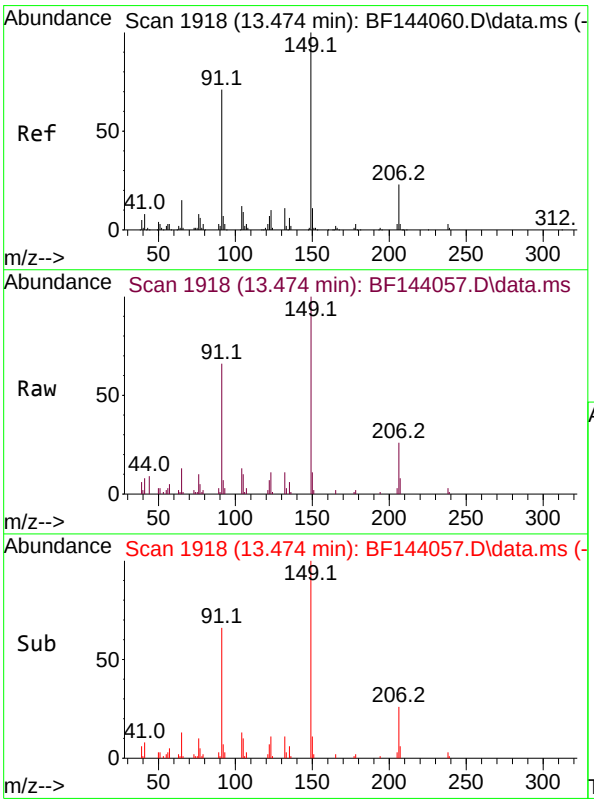
#79
Terphenyl-d14
Concen: 11.189 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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#

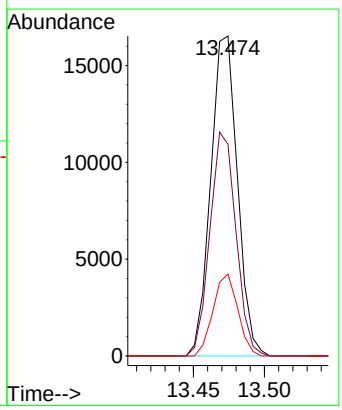


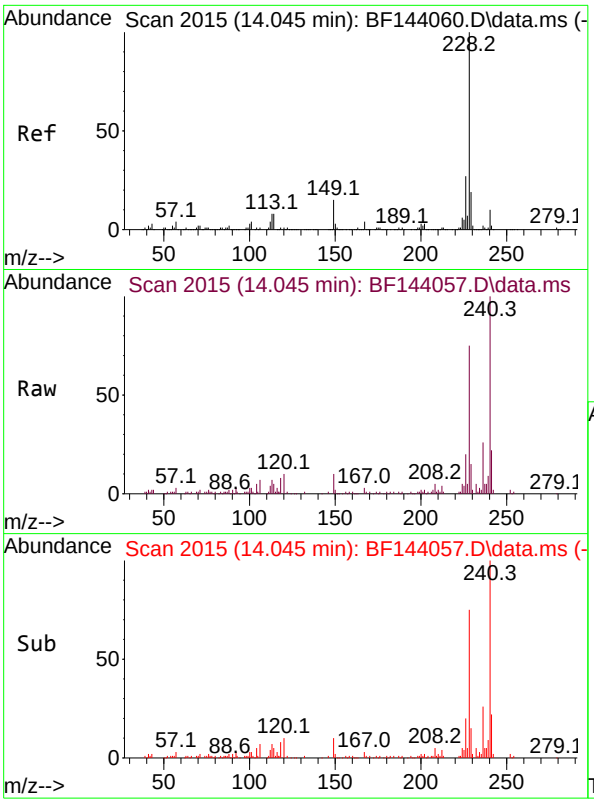


#80
Butylbenzylphthalate
Concen: 4.669 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



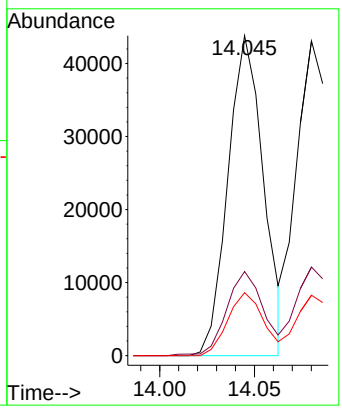


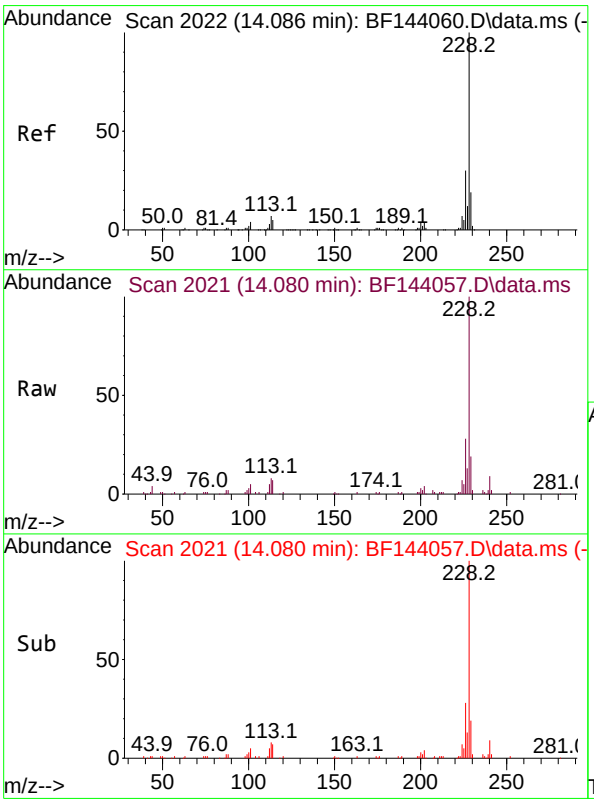
#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

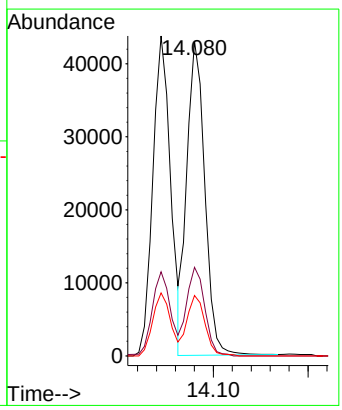


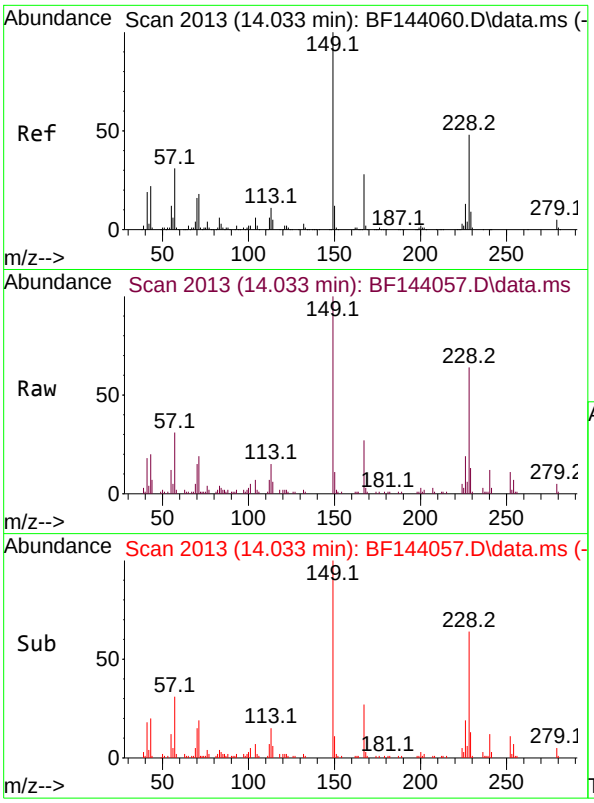


#83
Chrysene
Concen: 5.245 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



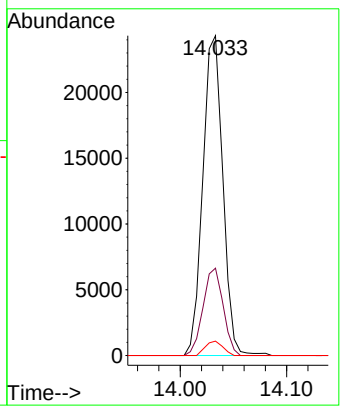


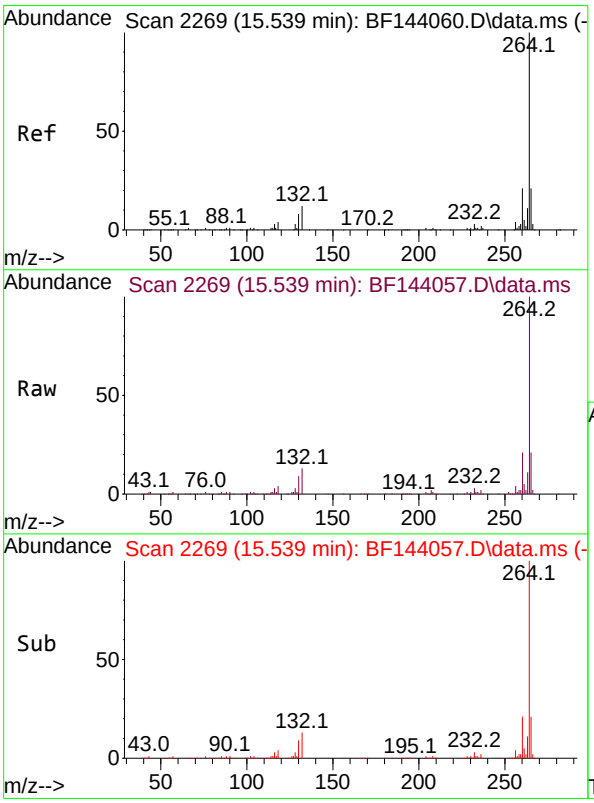
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.013 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

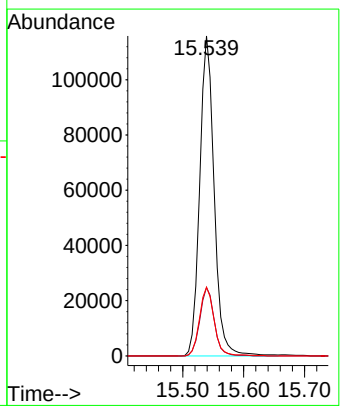


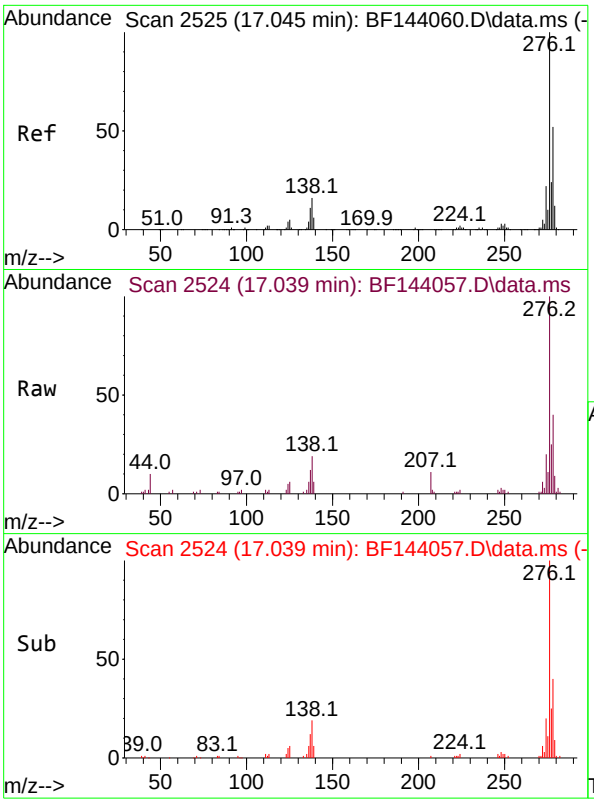


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



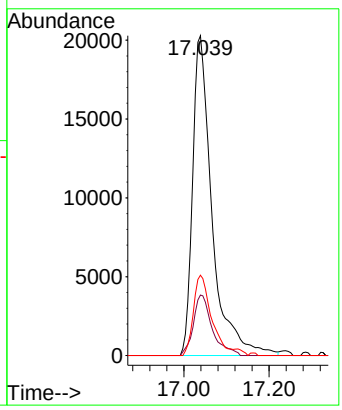


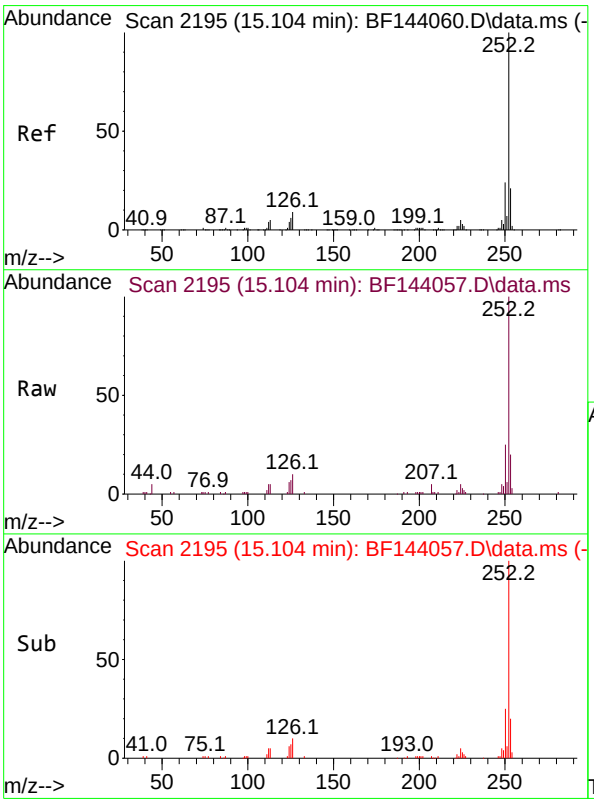
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.918 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

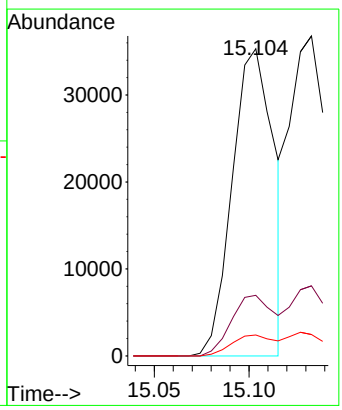


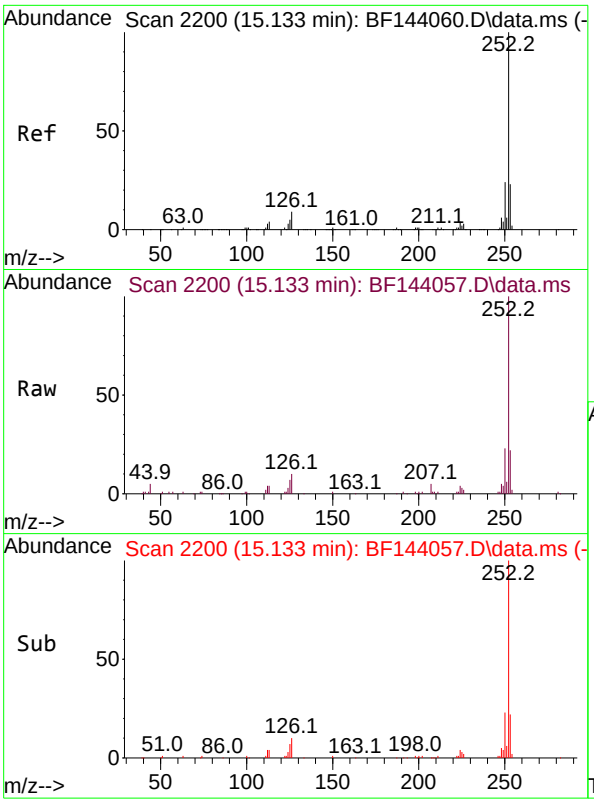


#88
Benzo(b)fluoranthene
Concen: 5.014 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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



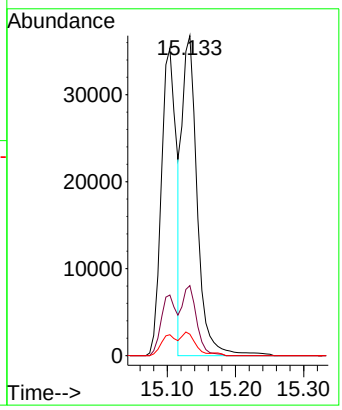


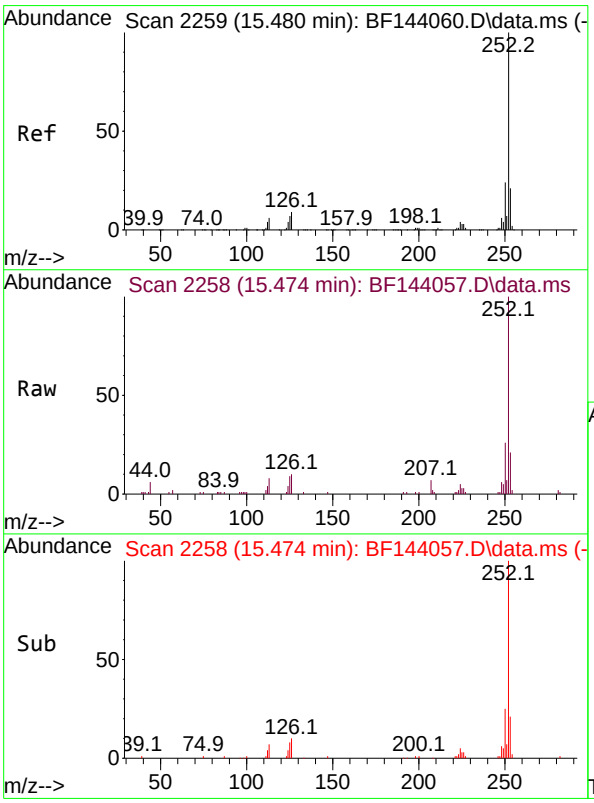
#89
Benzo(k)fluoranthene
Concen: 5.782 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

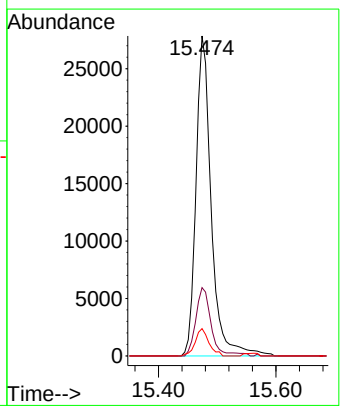


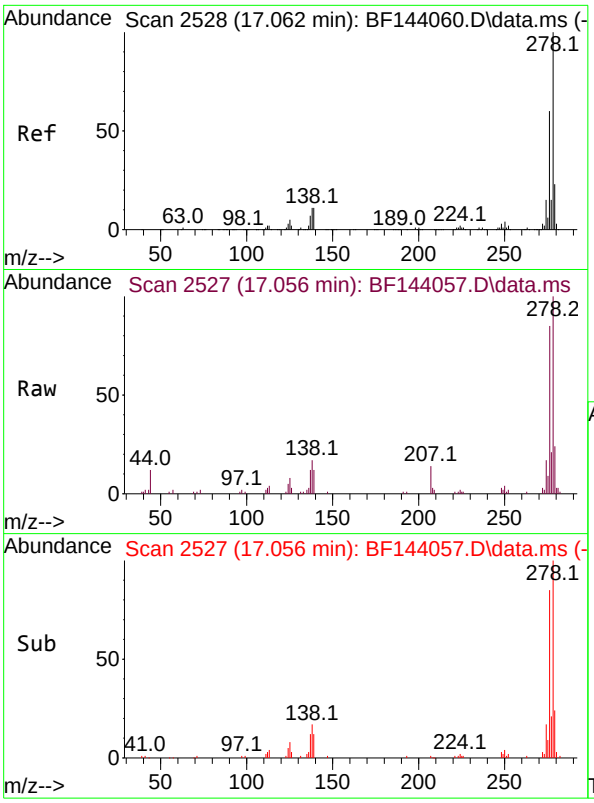


#90
Benzo(a)pyrene
Concen: 5.173 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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#



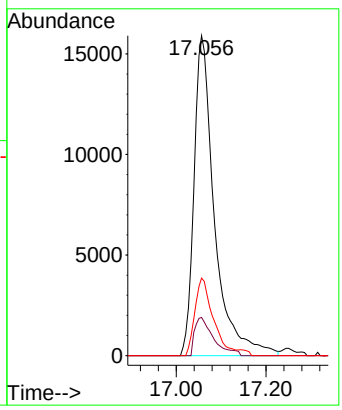


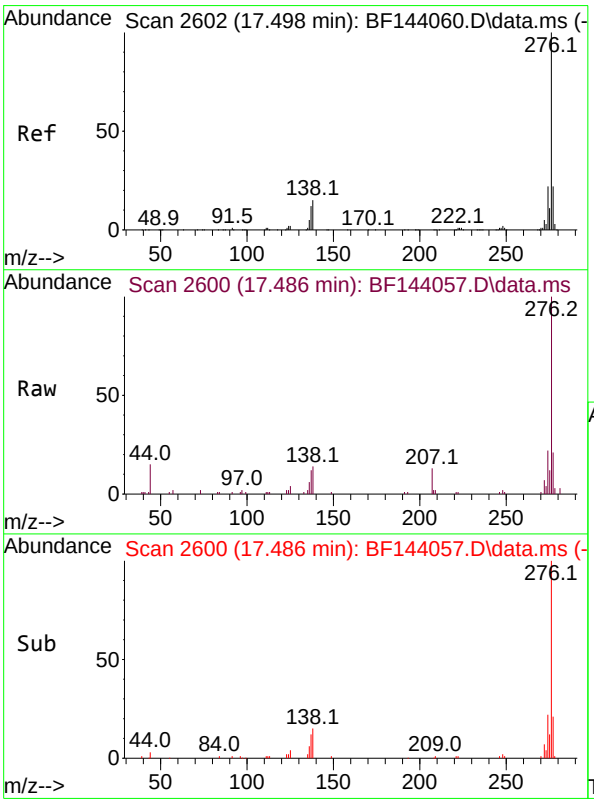
#91
Dibenzo(a,h)anthracene
Concen: 4.865 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

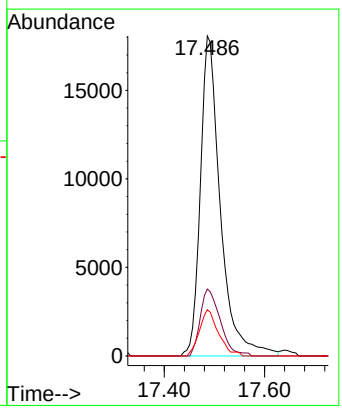




#92
Benzo(g,h,i)perylene
Concen: 4.807 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

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

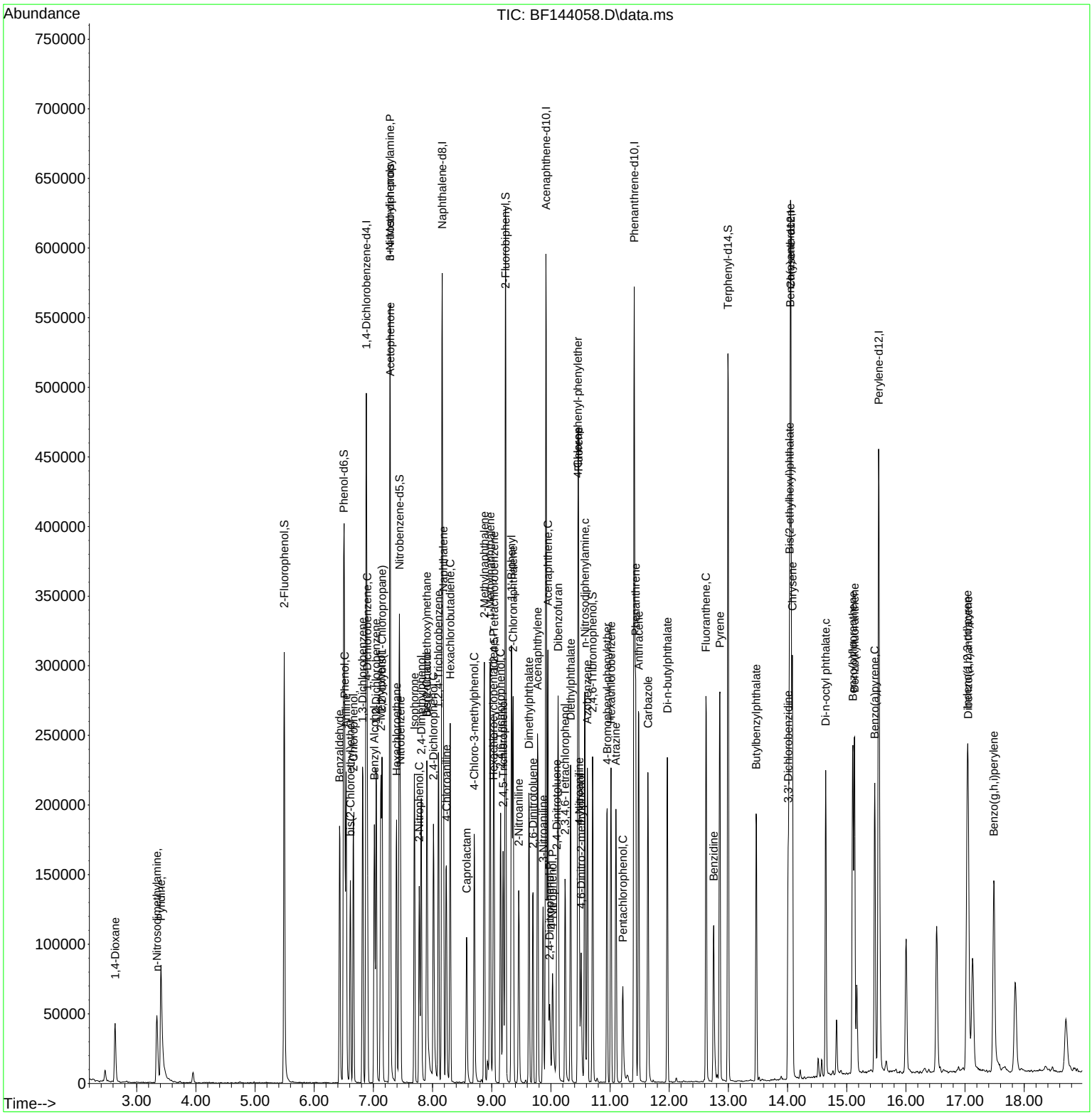
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.192	196	44114	10.341	ng	96
46)	1,1'-Biphenyl	9.334	154	139423	10.704	ng	99
47)	2-Chloronaphthalene	9.363	162	115014	10.540	ng	94
48)	2-Nitroaniline	9.457	65	32649	10.076	ng	99
49)	Acenaphthylene	9.775	152	154058	10.470	ng	99
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

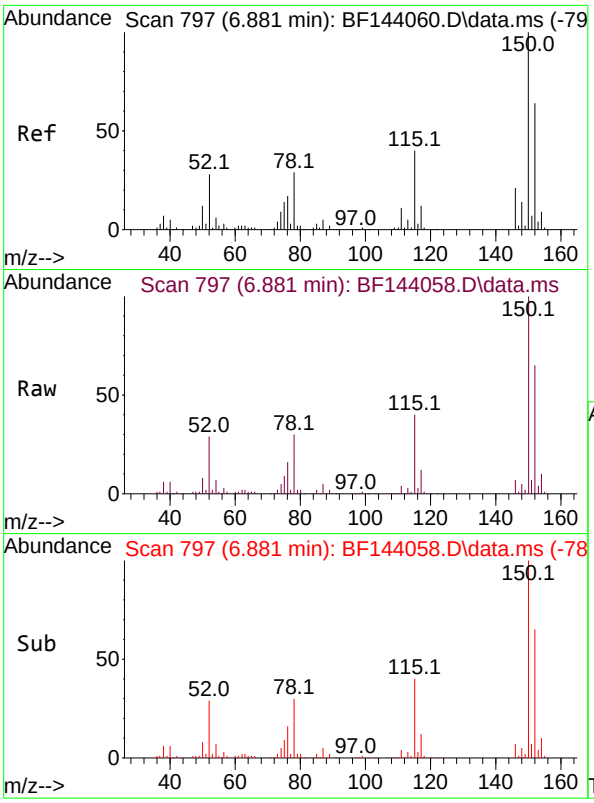
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



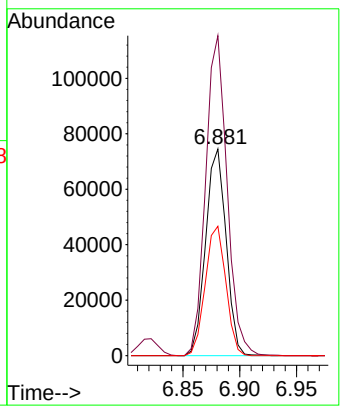


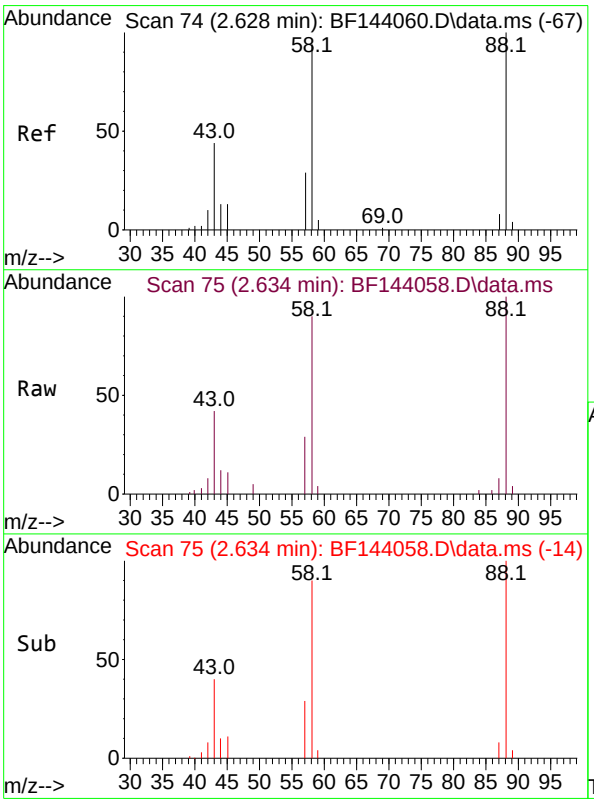
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

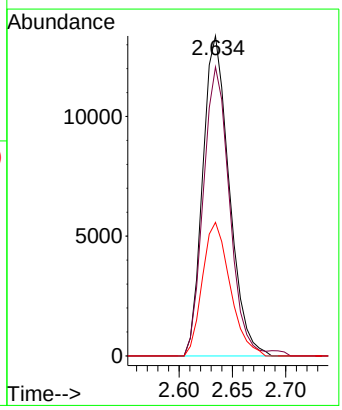


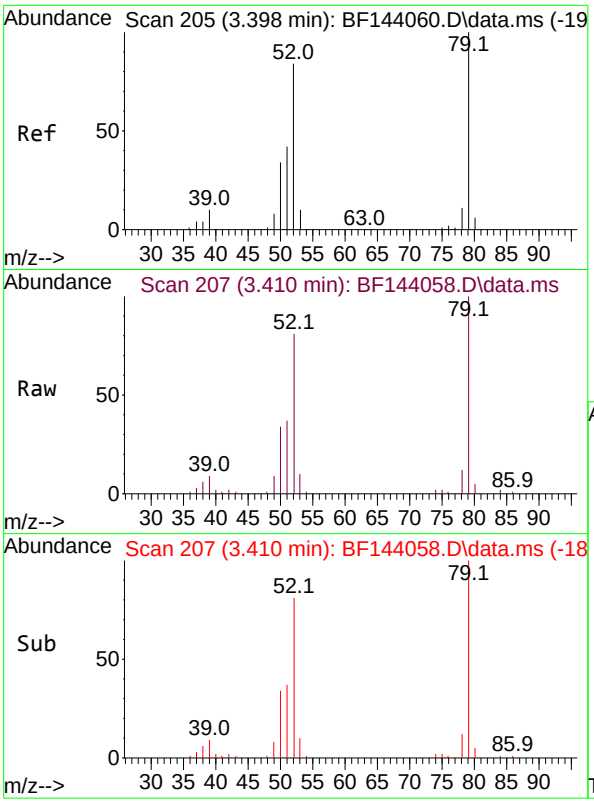


#2
1,4-Dioxane
Concen: 9.040 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



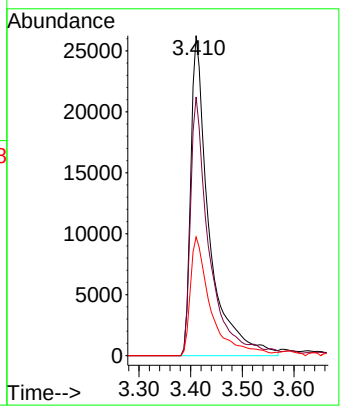


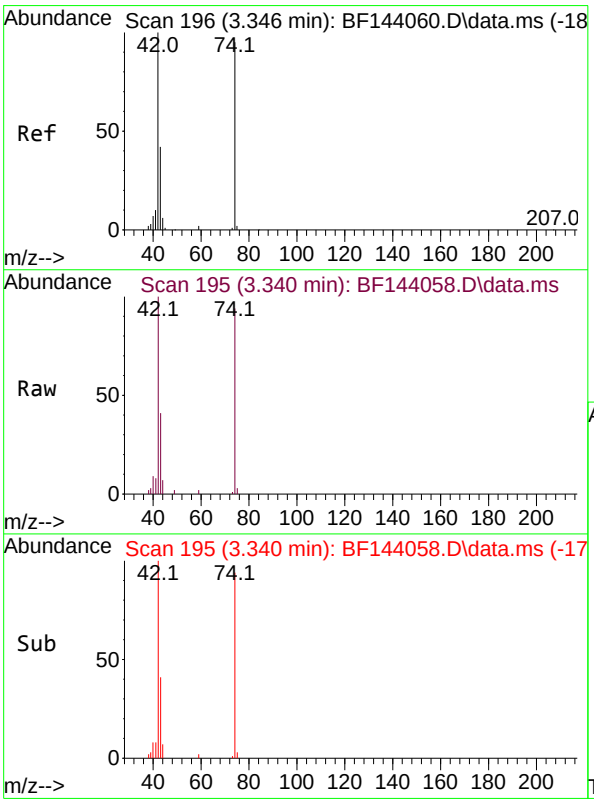
#3
Pyridine
Concen: 9.463 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

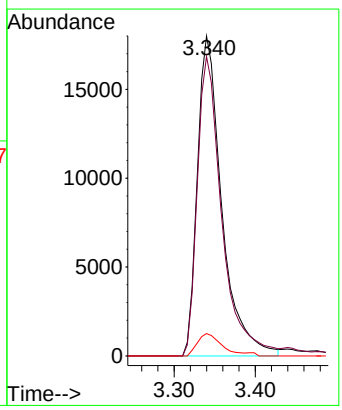


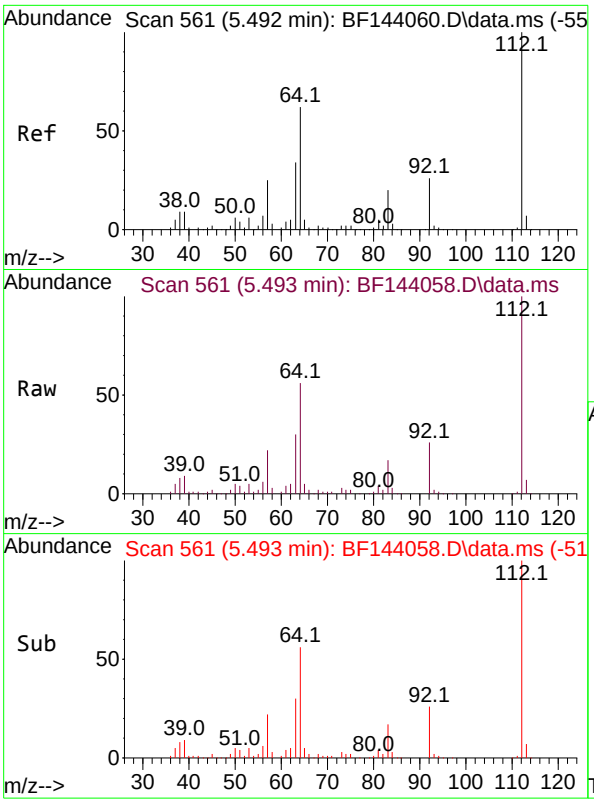


#4
n-Nitrosodimethylamine
Concen: 8.963 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



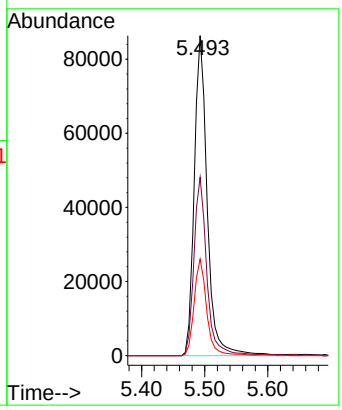


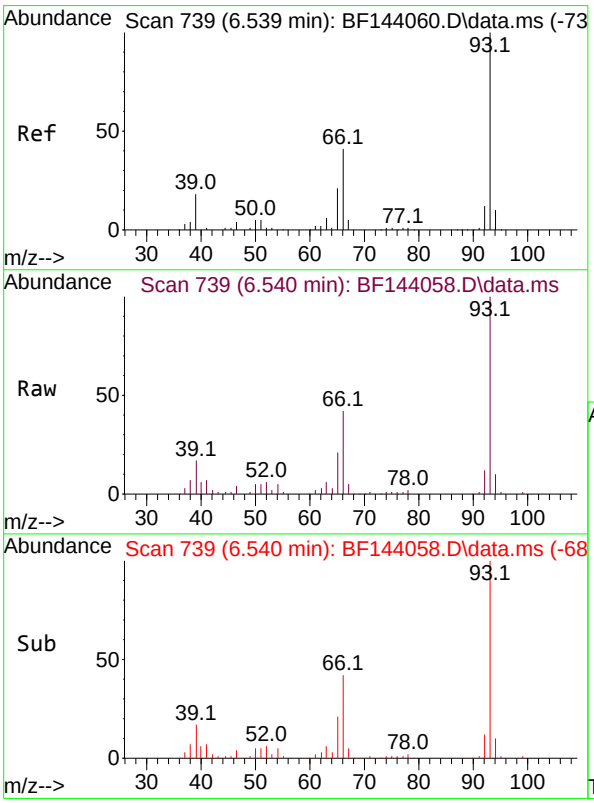
#5
2-Fluorophenol
Concen: 20.923 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

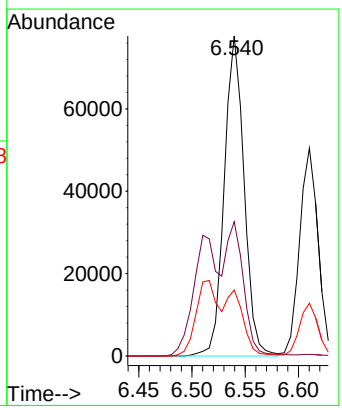


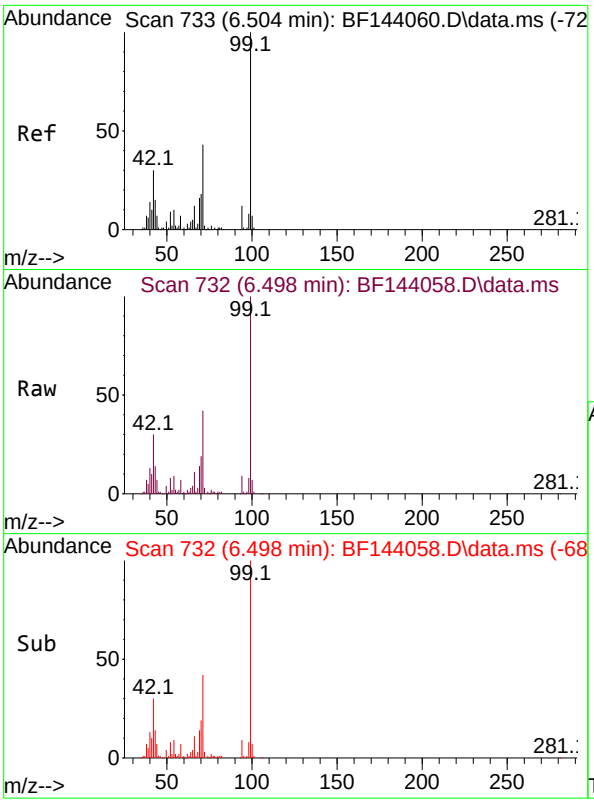


#6
Aniline
Concen: 10.776 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



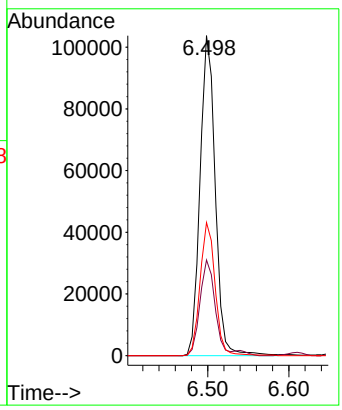


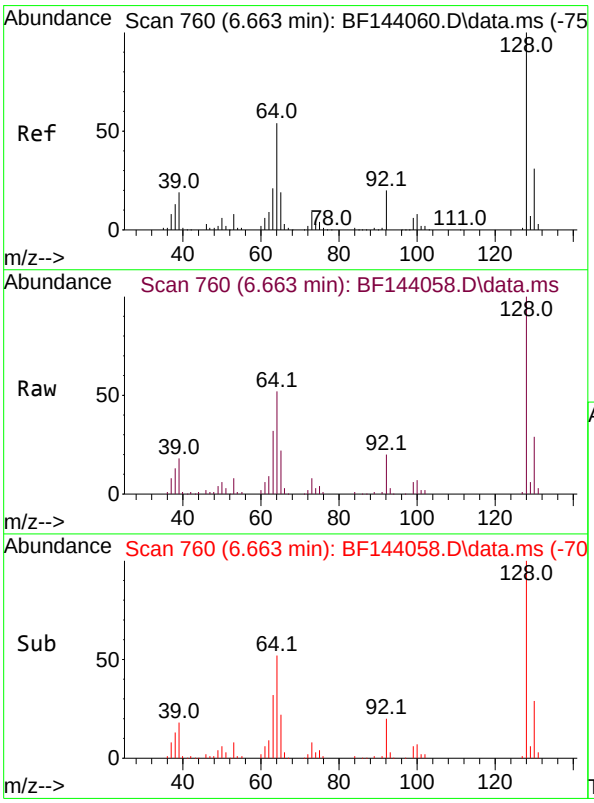
#7
Phenol-d6
Concen: 20.673 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

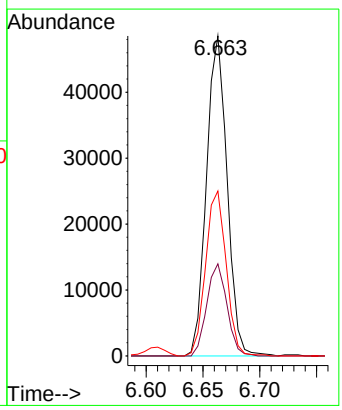


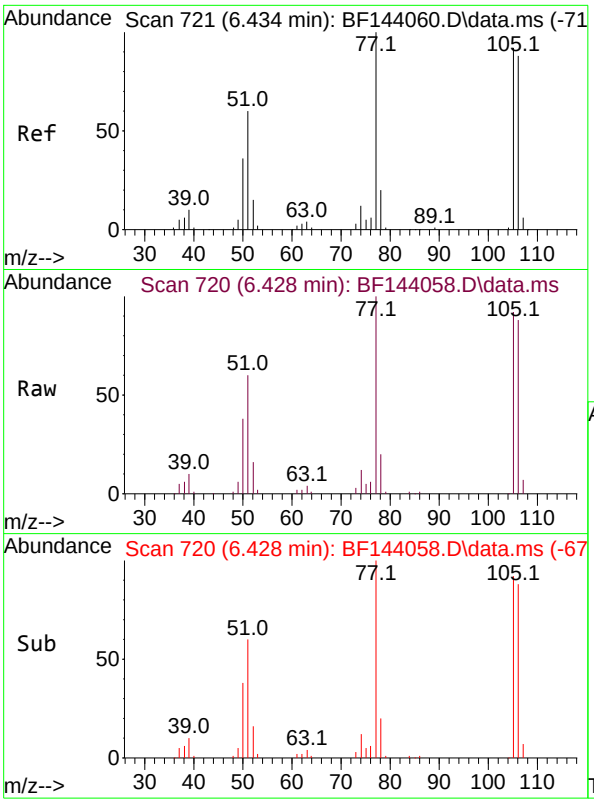


#8
2-Chlorophenol
Concen: 10.526 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



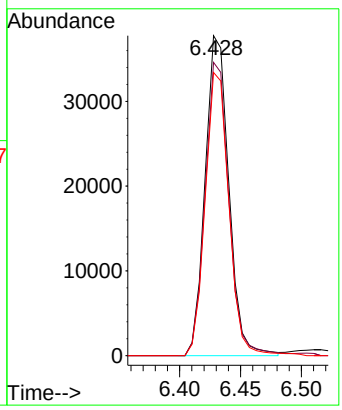


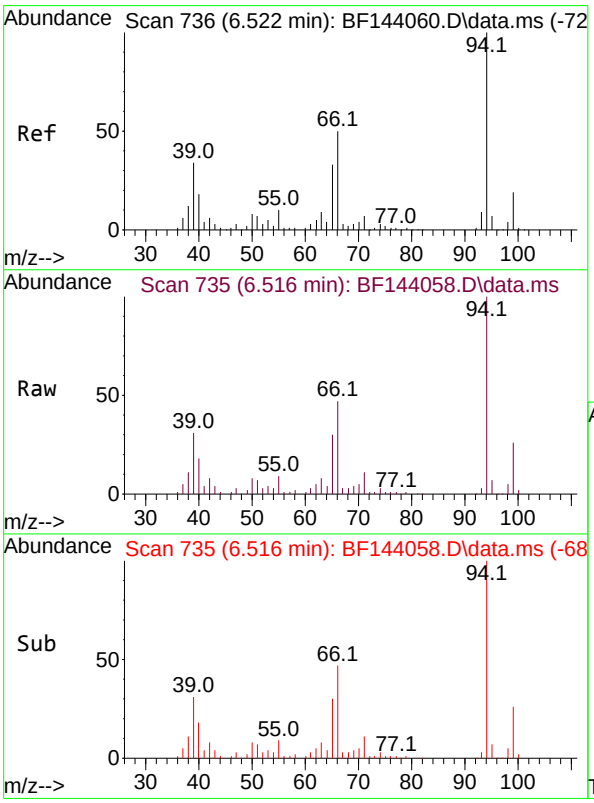
#9
Benzaldehyde
Concen: 10.081 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

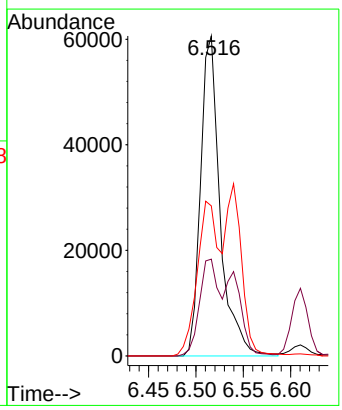


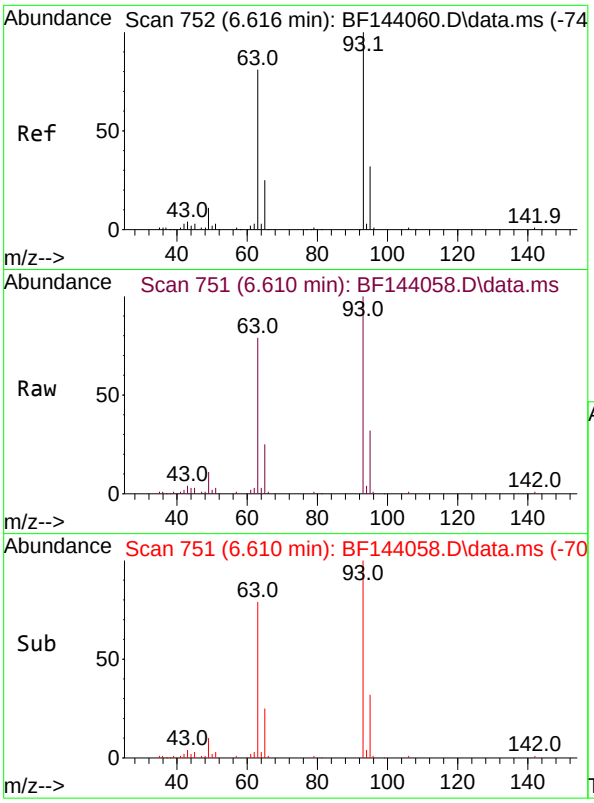


#10
Phenol
Concen: 10.799 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



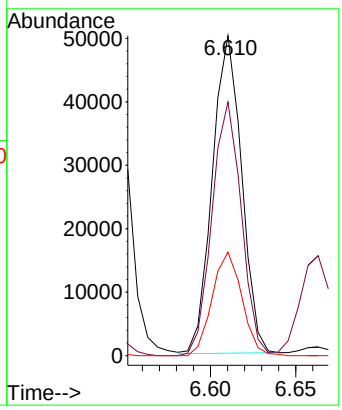


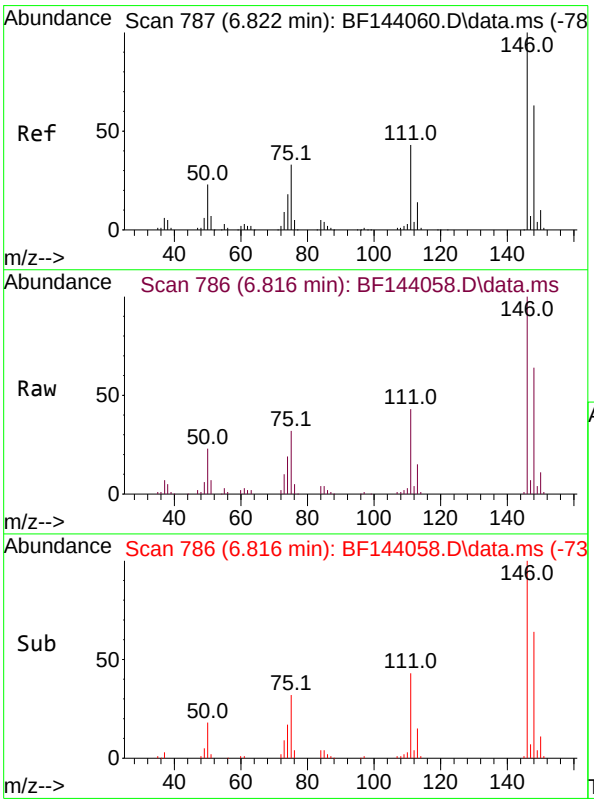
#11
bis(2-Chloroethyl)ether
Concen: 10.271 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

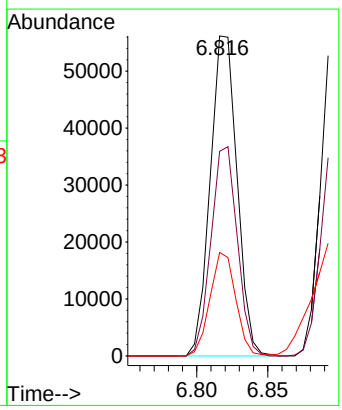


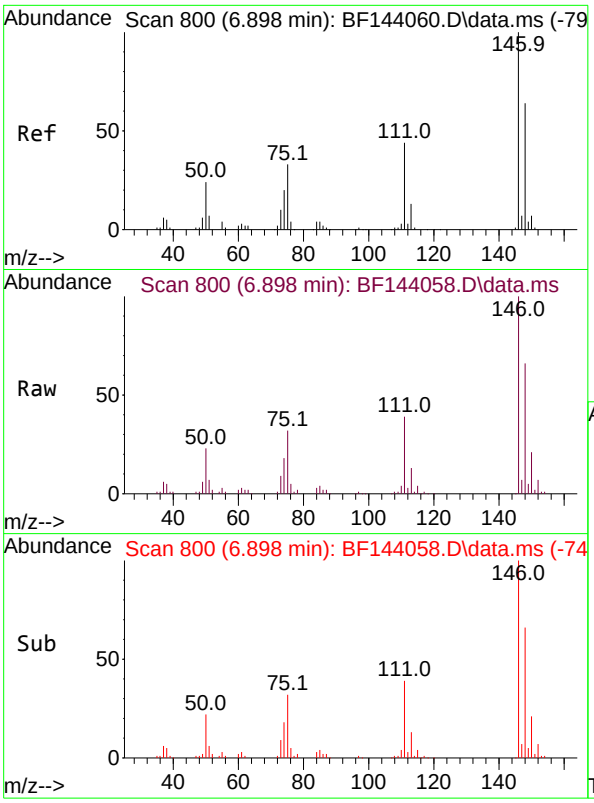


#12
1,3-Dichlorobenzene
Concen: 10.303 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



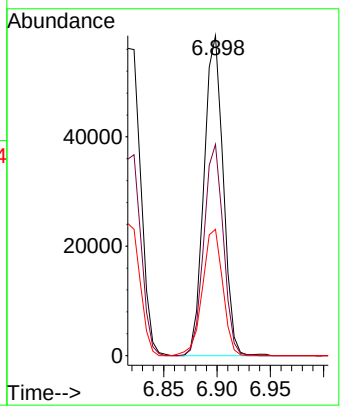


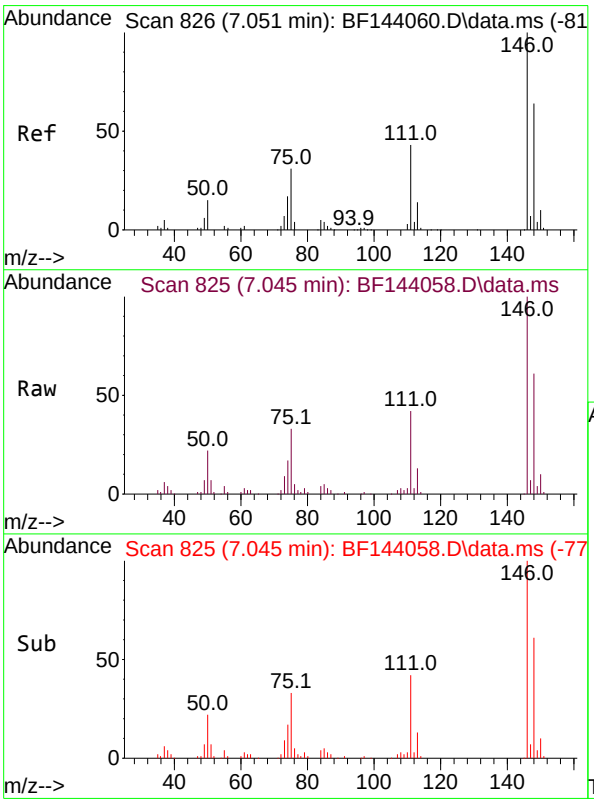
#13
1,4-Dichlorobenzene
Concen: 10.352 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

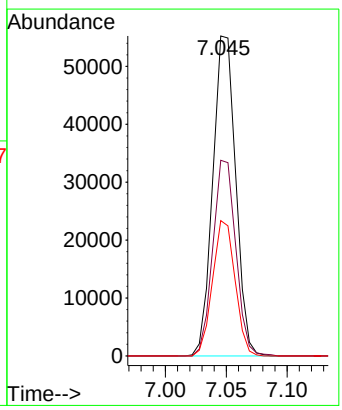


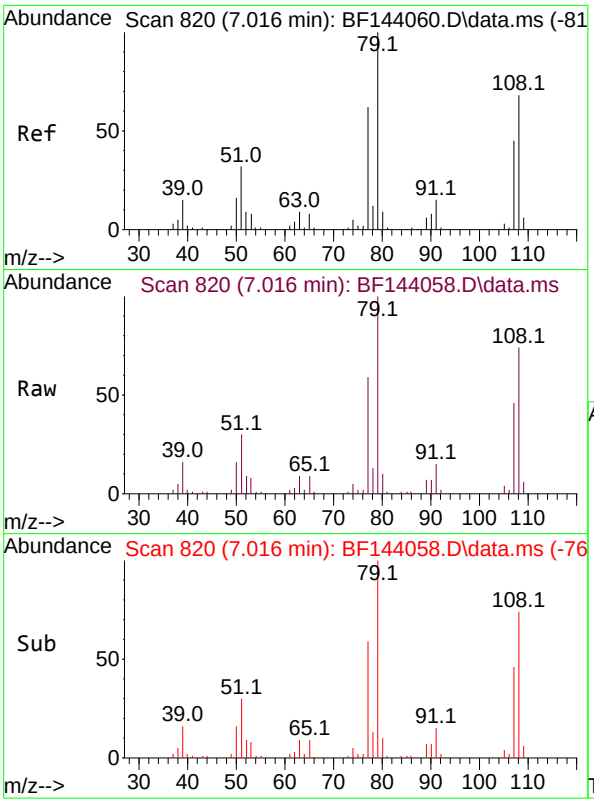


#14
1,2-Dichlorobenzene
Concen: 10.573 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



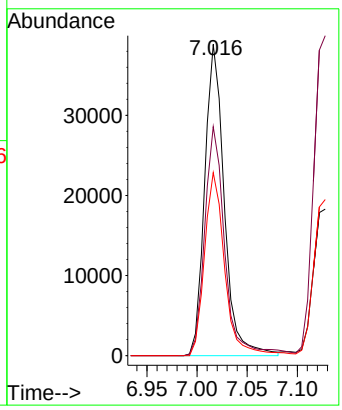


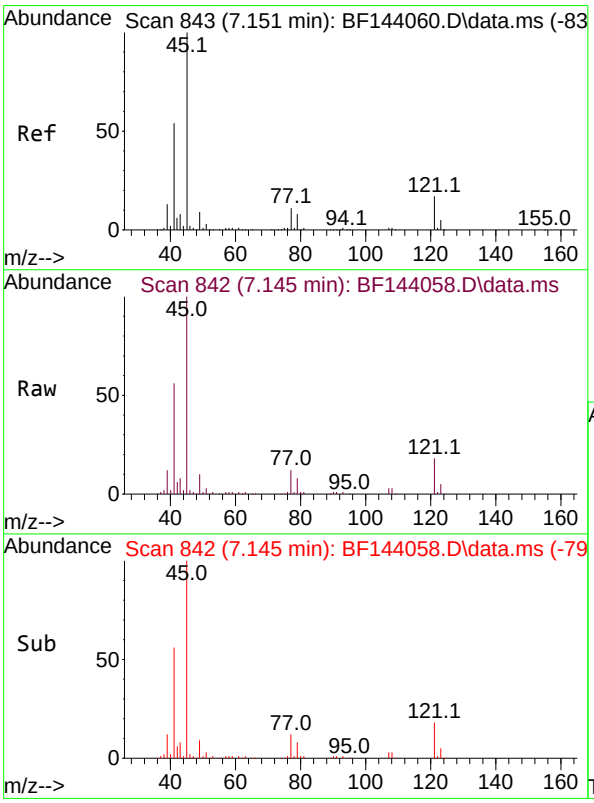
#15
Benzyl Alcohol
Concen: 9.942 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

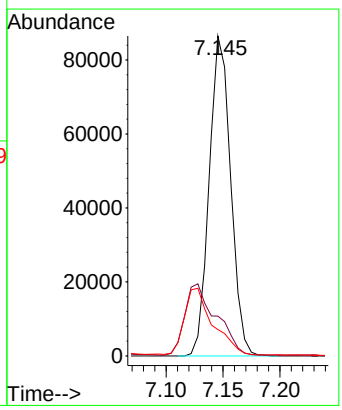


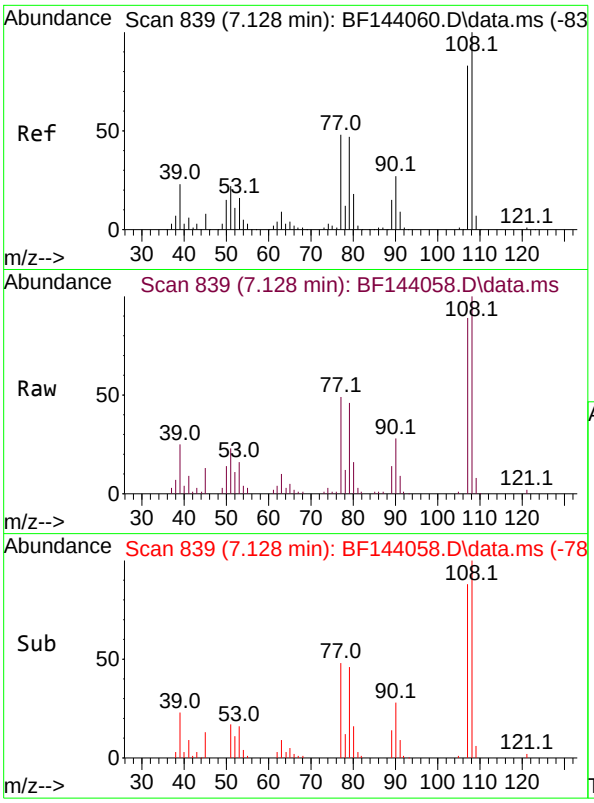


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.395 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



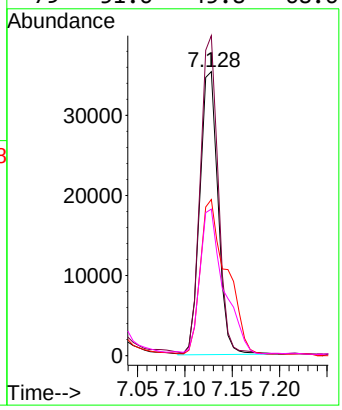


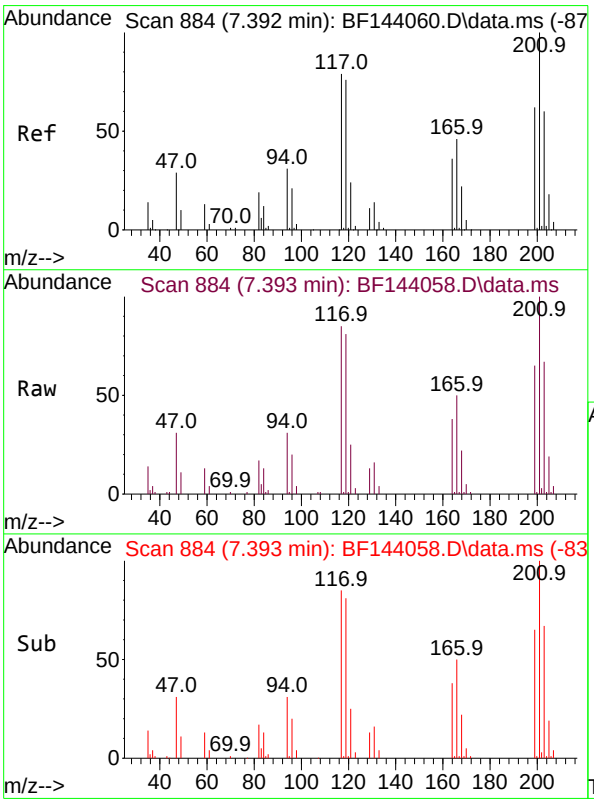
#17
2-Methylphenol
Concen: 10.548 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

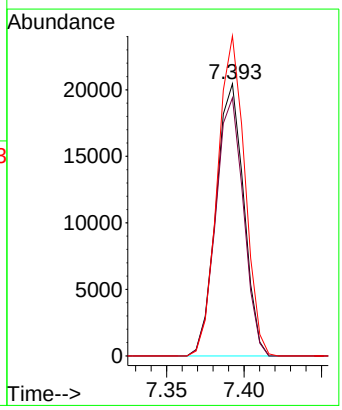


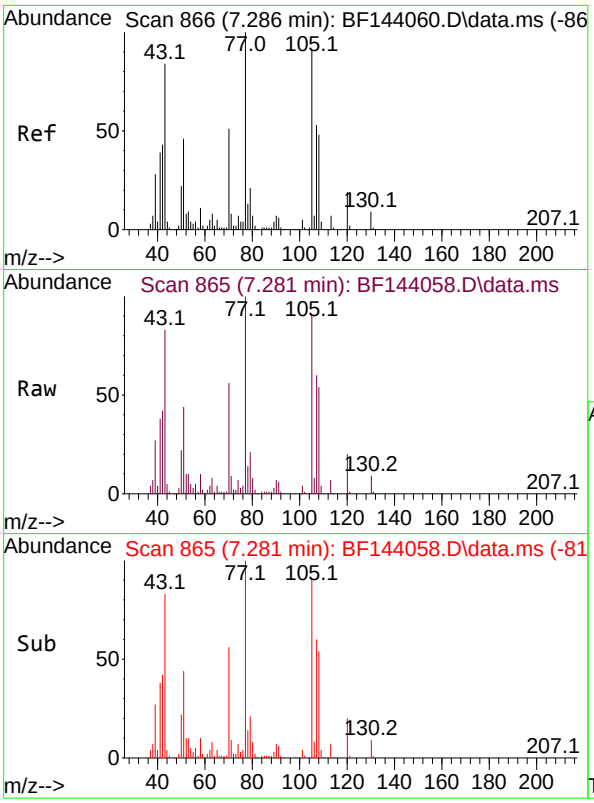


#18
Hexachloroethane
Concen: 10.058 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



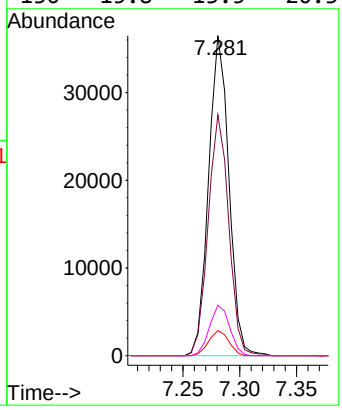


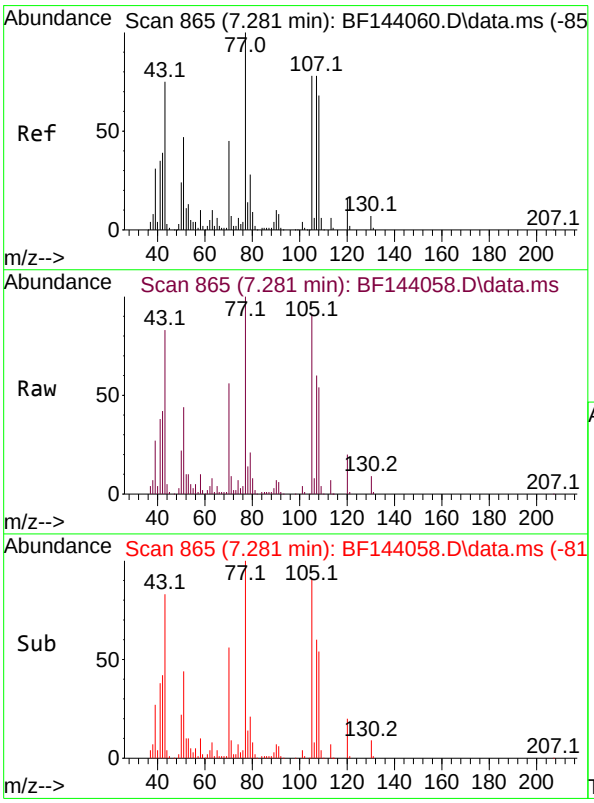
#19
n-Nitroso-di-n-propylamine
Concen: 10.764 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

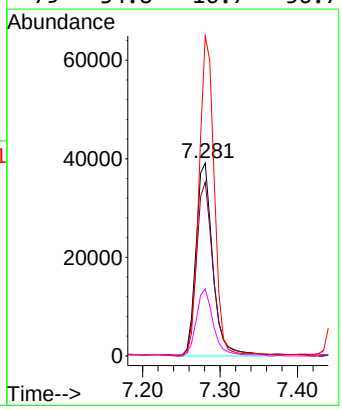


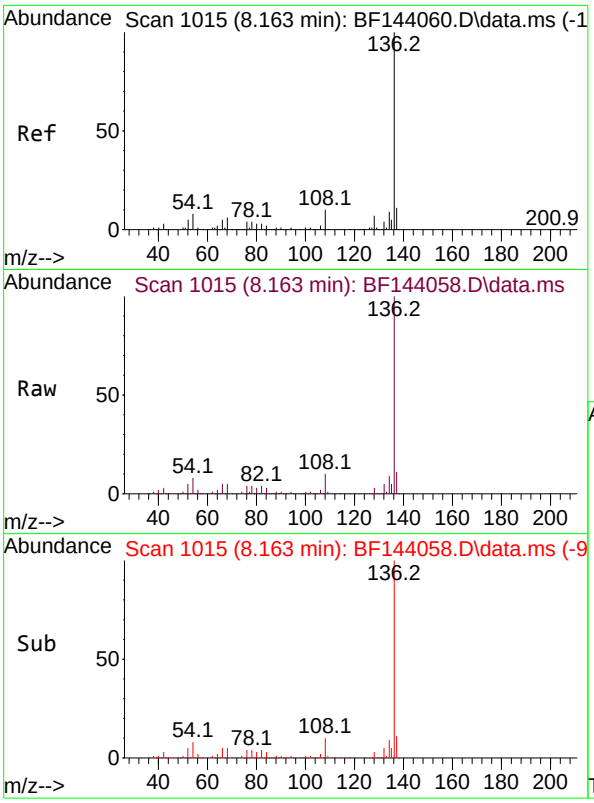


#20
3+4-Methylphenols
Concen: 11.219 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



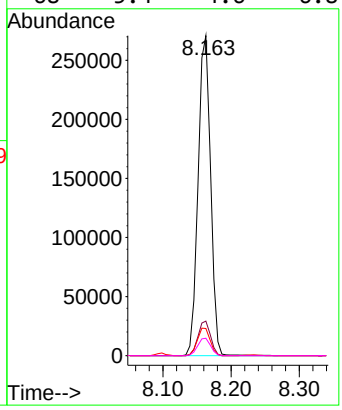


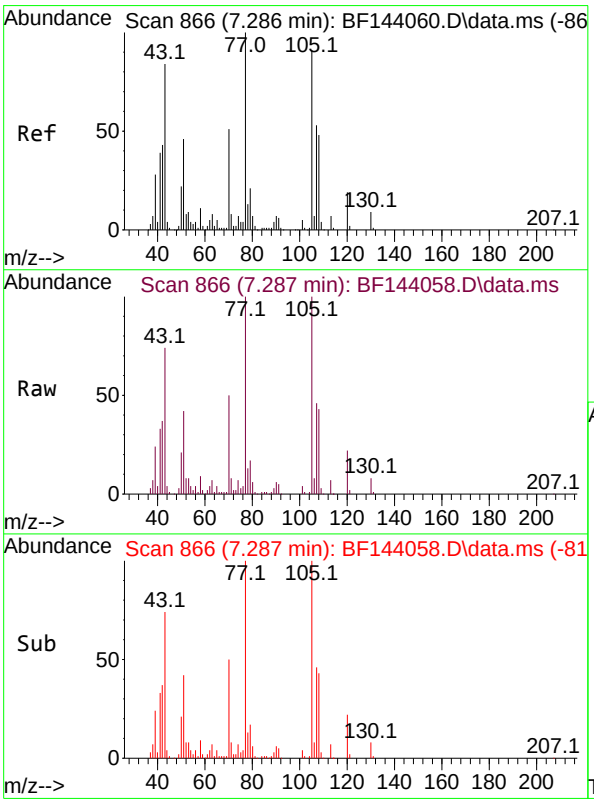
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

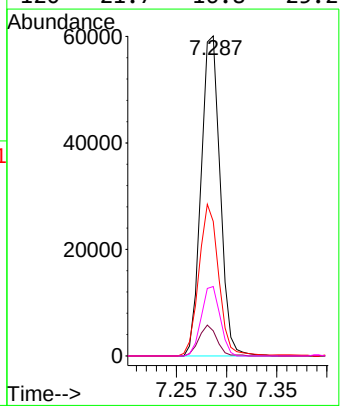


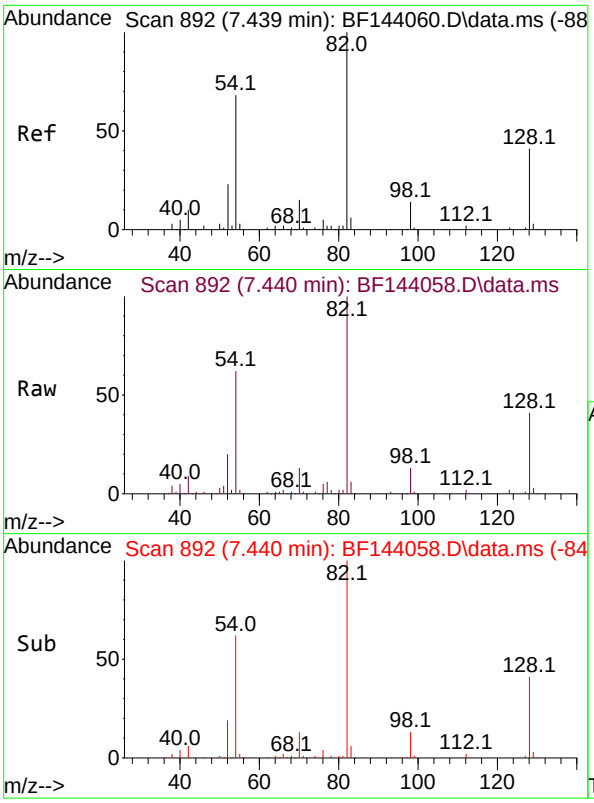


#22
Acetophenone
Concen: 10.620 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



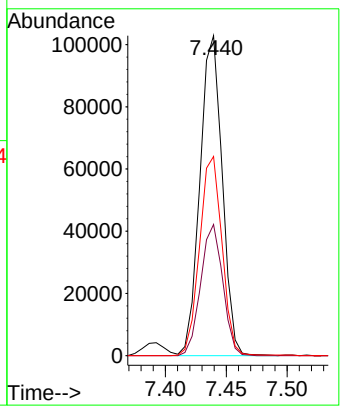


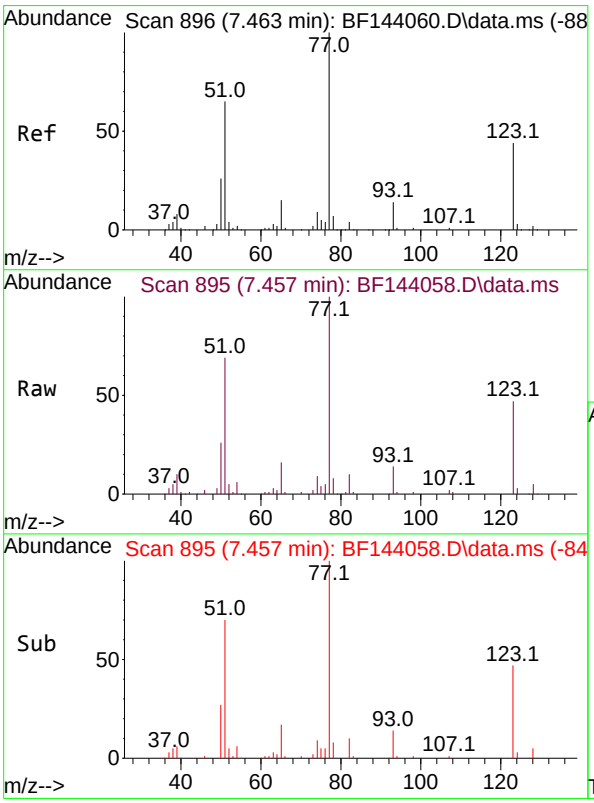
#23
Nitrobenzene-d5
Concen: 20.735 ng
RT: 7.440 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

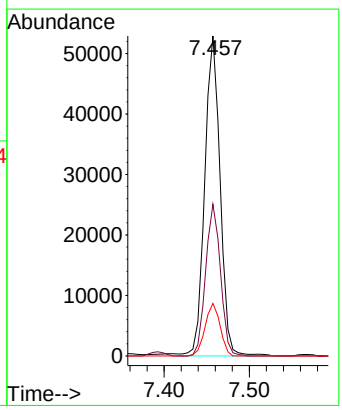


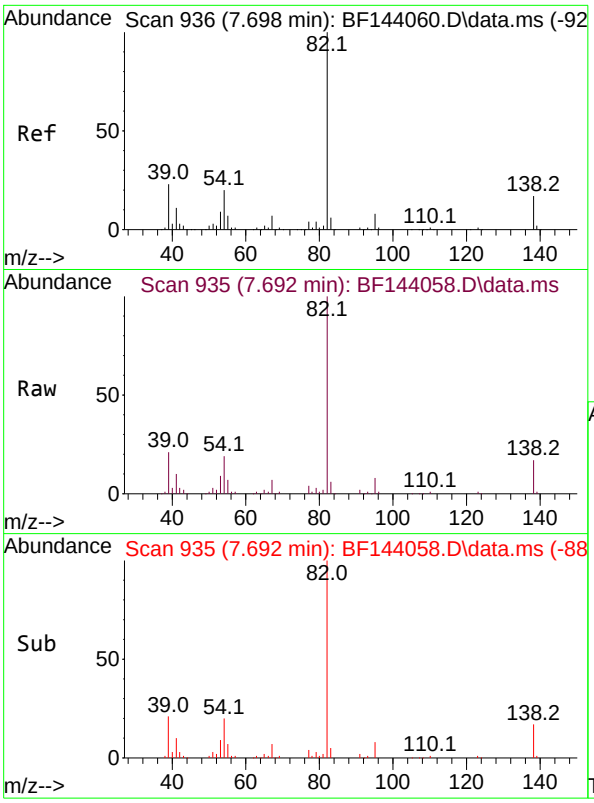


#24
Nitrobenzene
Concen: 9.941 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



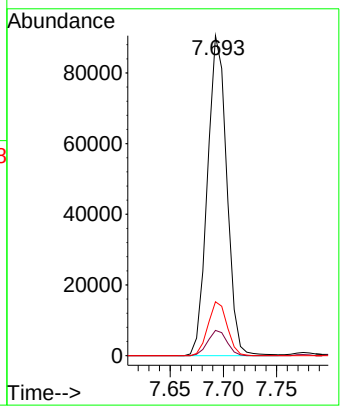


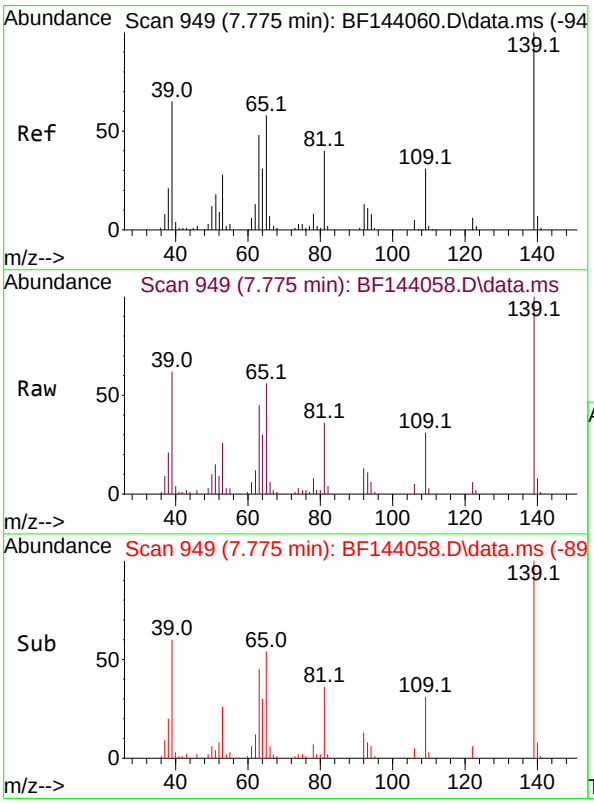
#25
Isophorone
Concen: 10.366 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

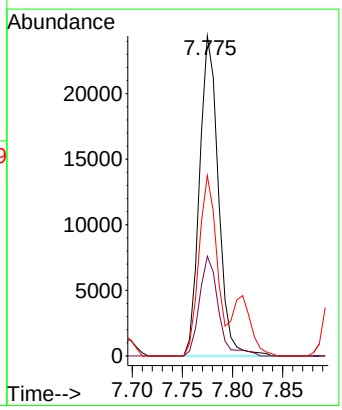


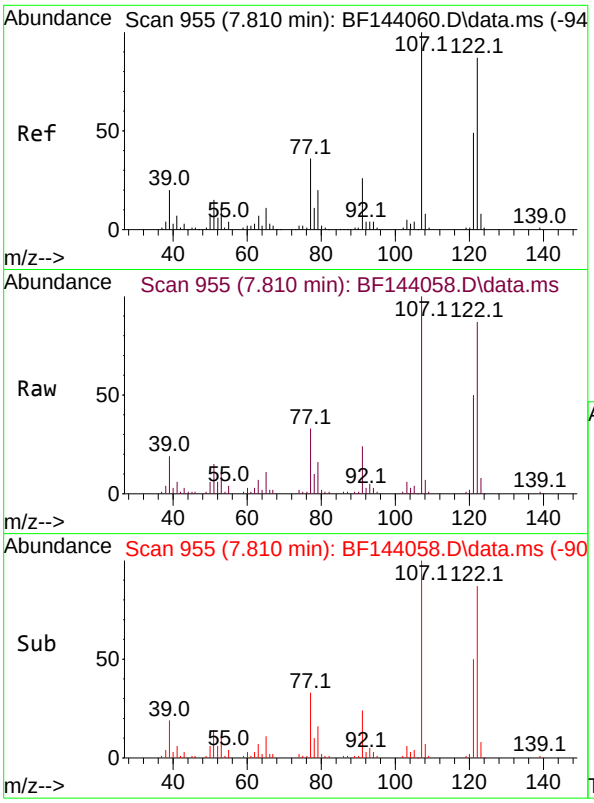


#26
2-Nitrophenol
Concen: 9.992 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



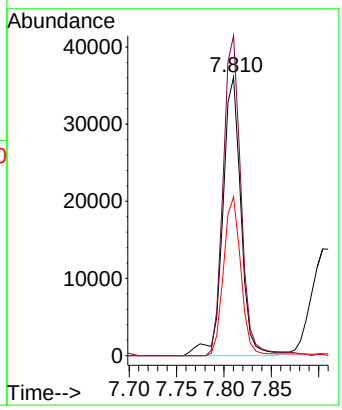


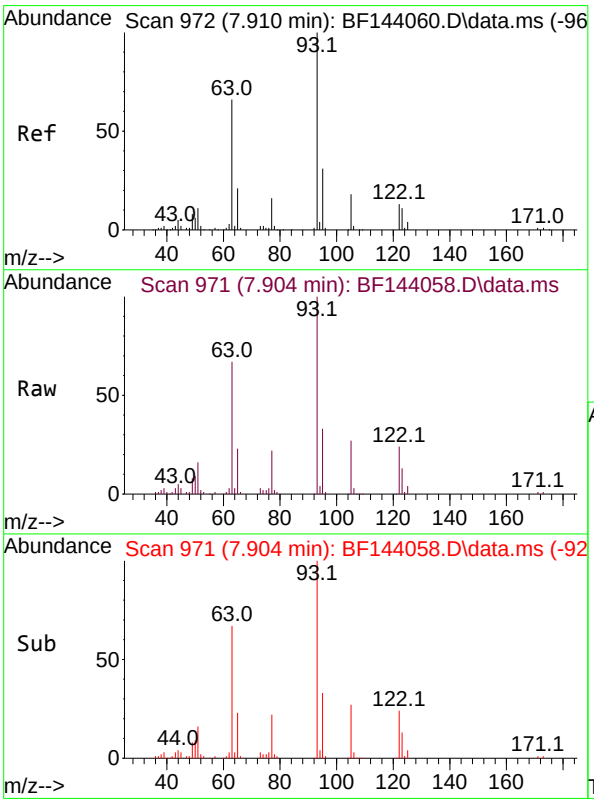
#27
2,4-Dimethylphenol
Concen: 10.215 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

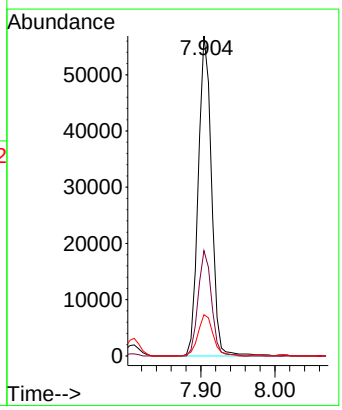


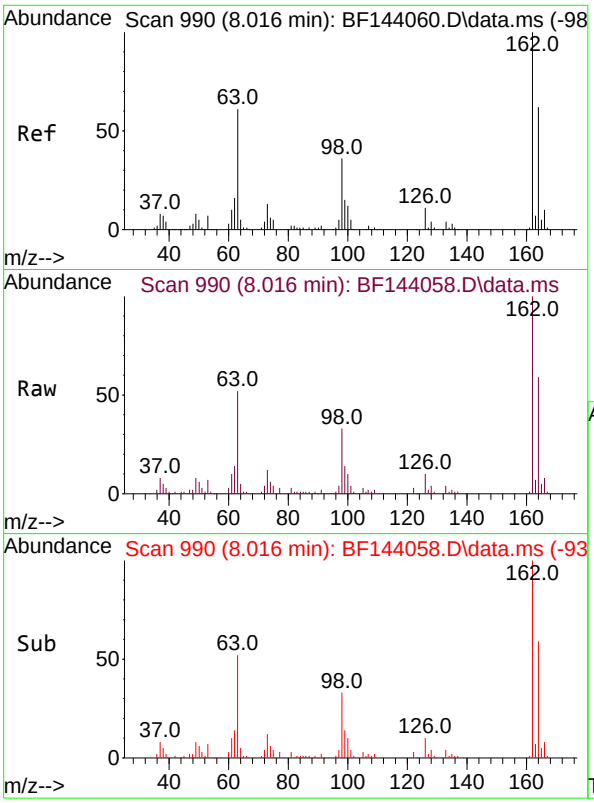


#28
bis(2-Chloroethoxy)methane
Concen: 10.241 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



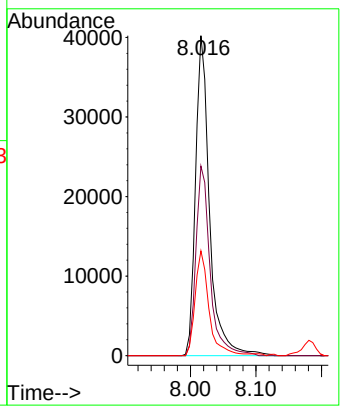


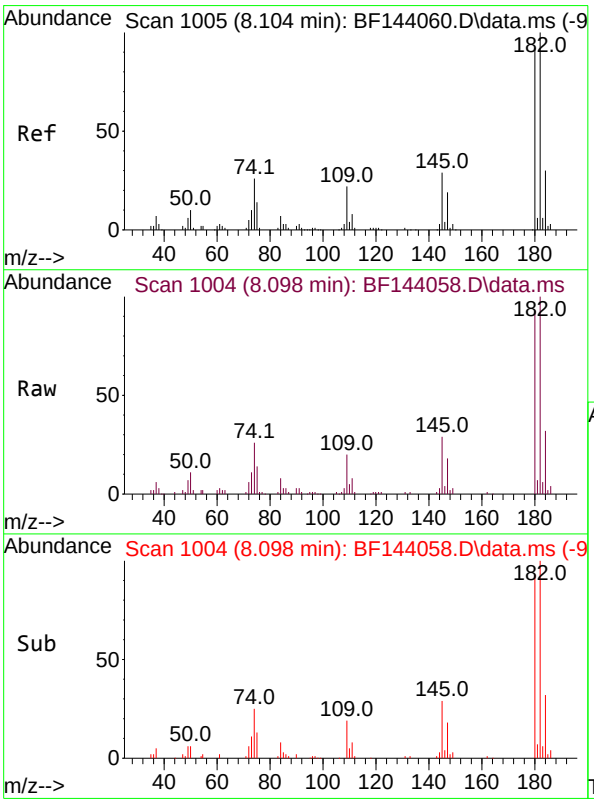
#29
2,4-Dichlorophenol
Concen: 10.858 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

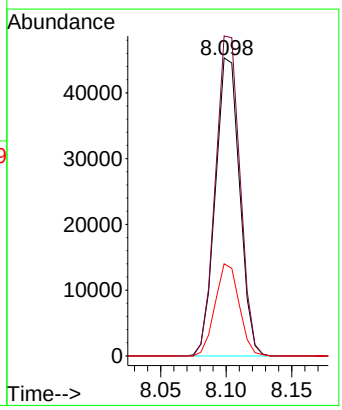


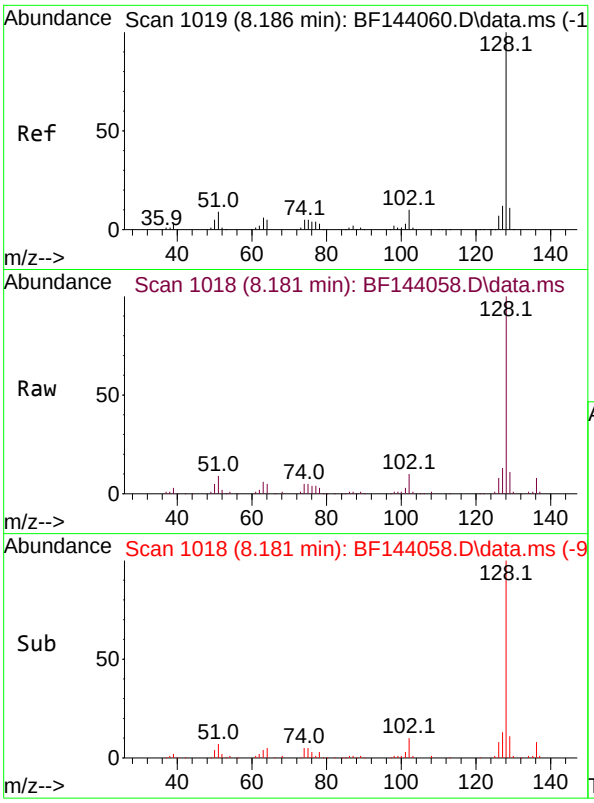


#30
1,2,4-Trichlorobenzene
Concen: 10.367 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



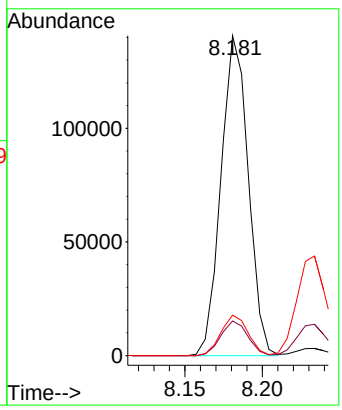


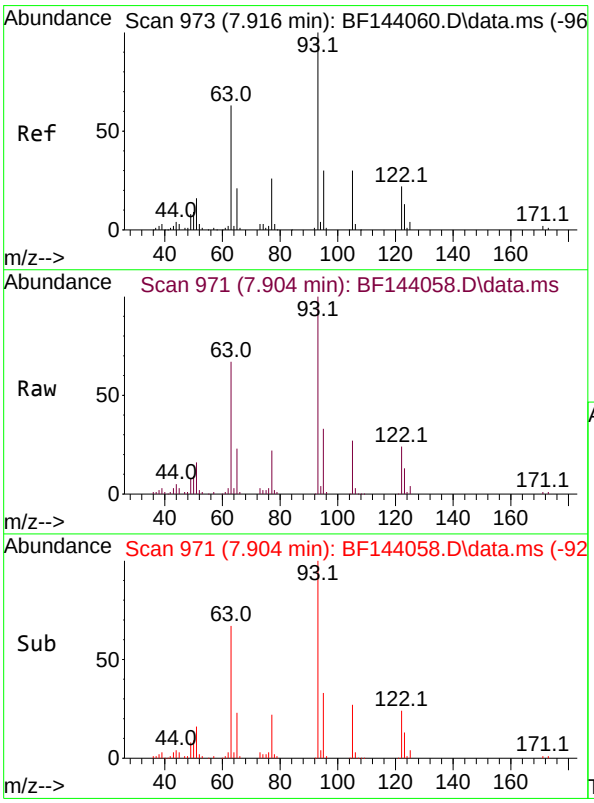
#31
Naphthalene
Concen: 10.618 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

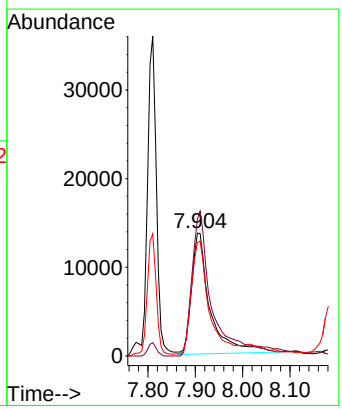


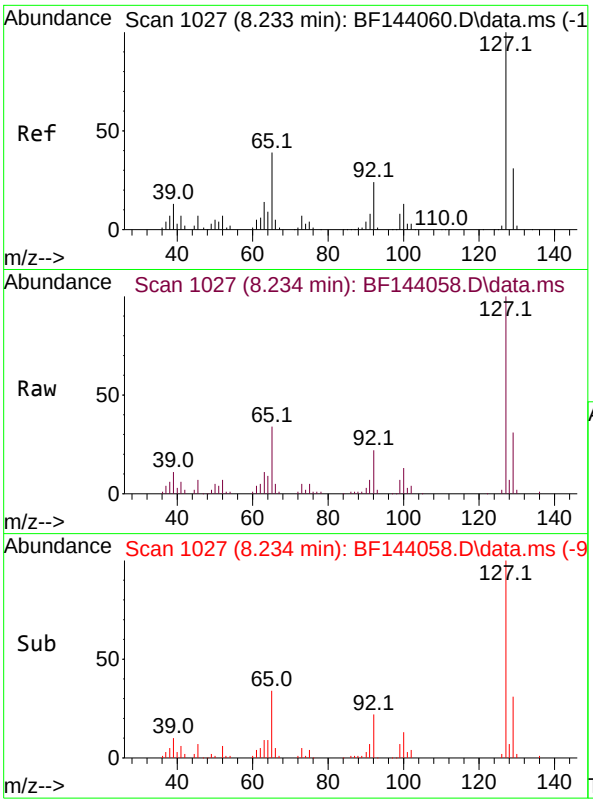


#32
Benzoic acid
Concen: 12.520 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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#



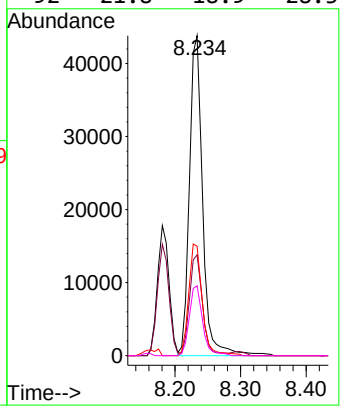


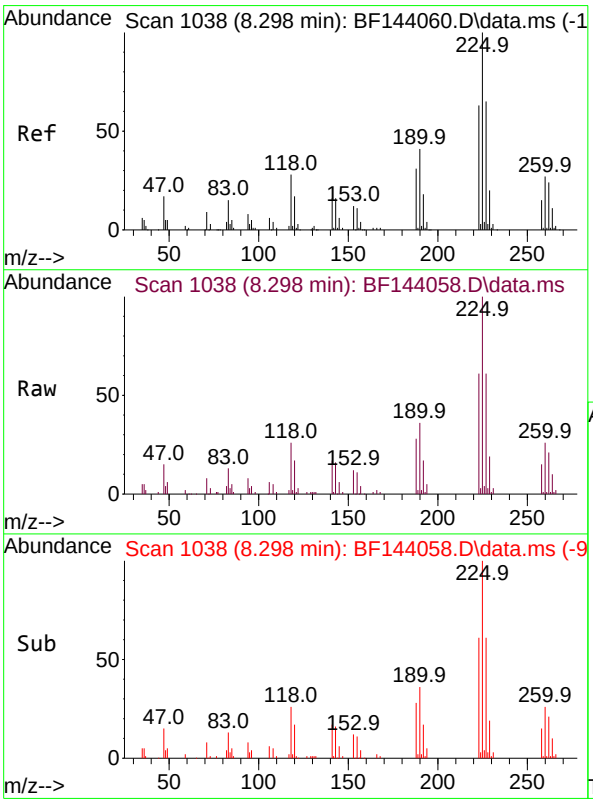
#33
4-Chloroaniline
Concen: 10.837 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

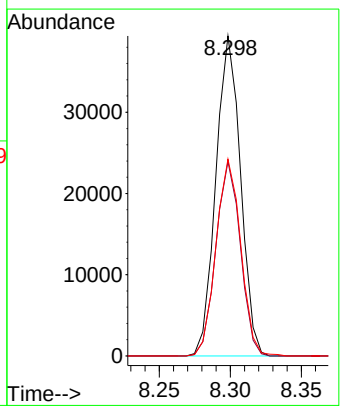


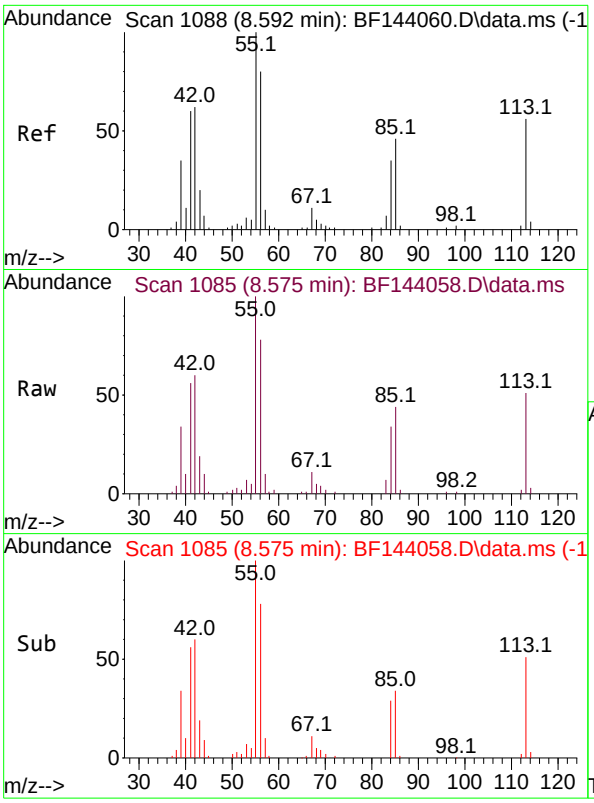


#34
Hexachlorobutadiene
Concen: 10.323 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



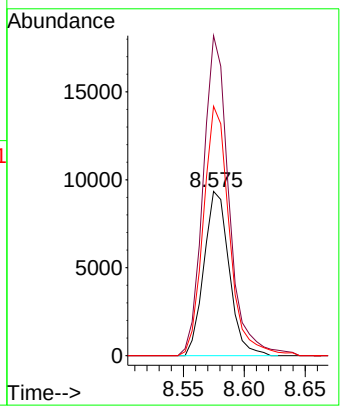


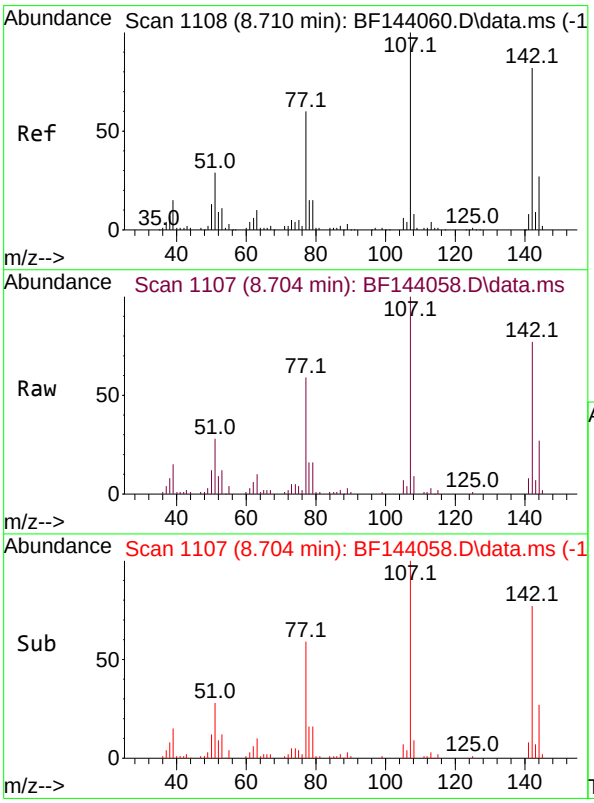
#35
Caprolactam
Concen: 9.779 ng
RT: 8.575 min Scan# 10
Delta R.T. -0.017 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

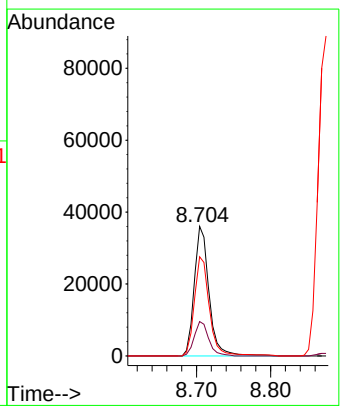


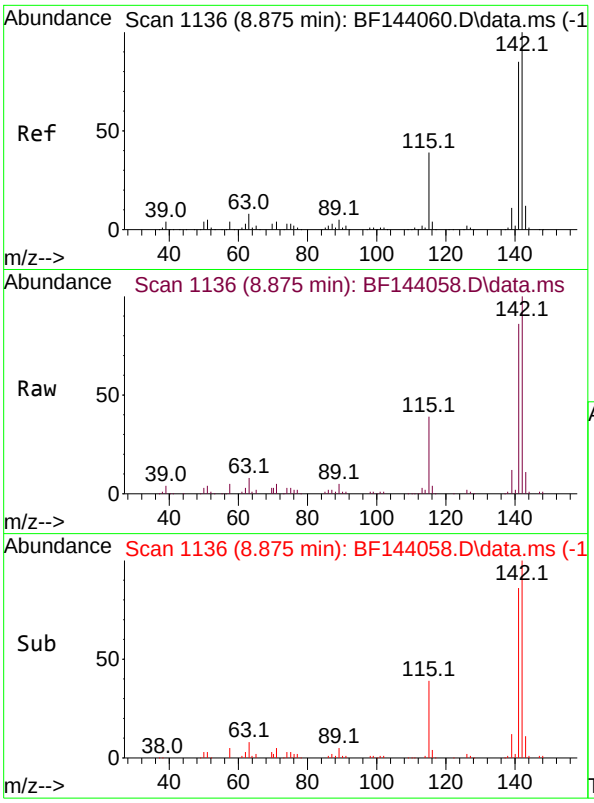


#36
4-Chloro-3-methylphenol
Concen: 10.327 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



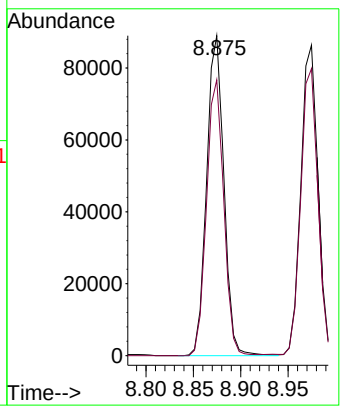


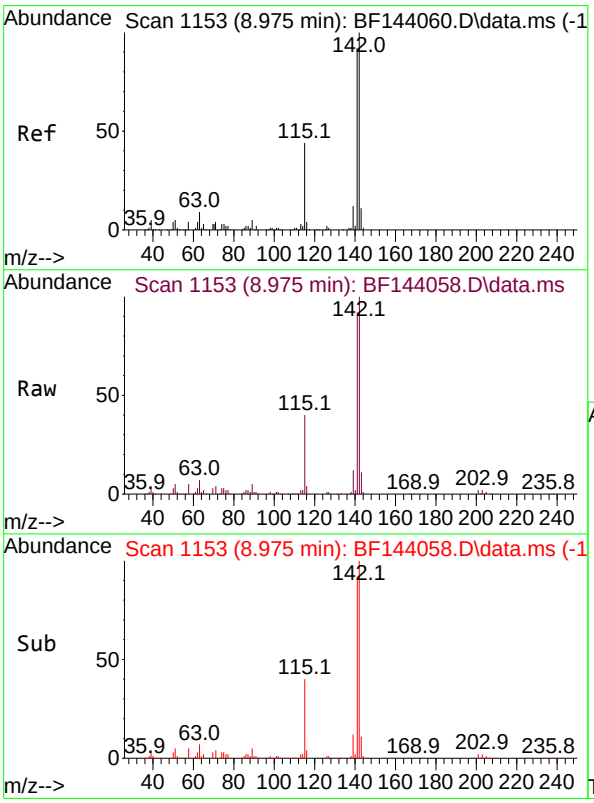
#37
2-Methylnaphthalene
Concen: 10.507 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 113005

Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.6	101.4

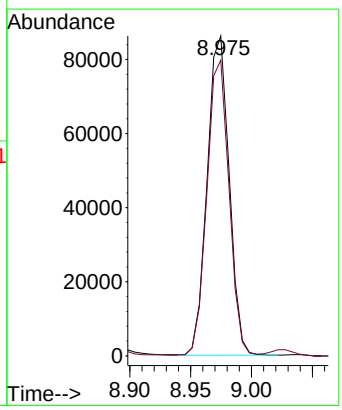


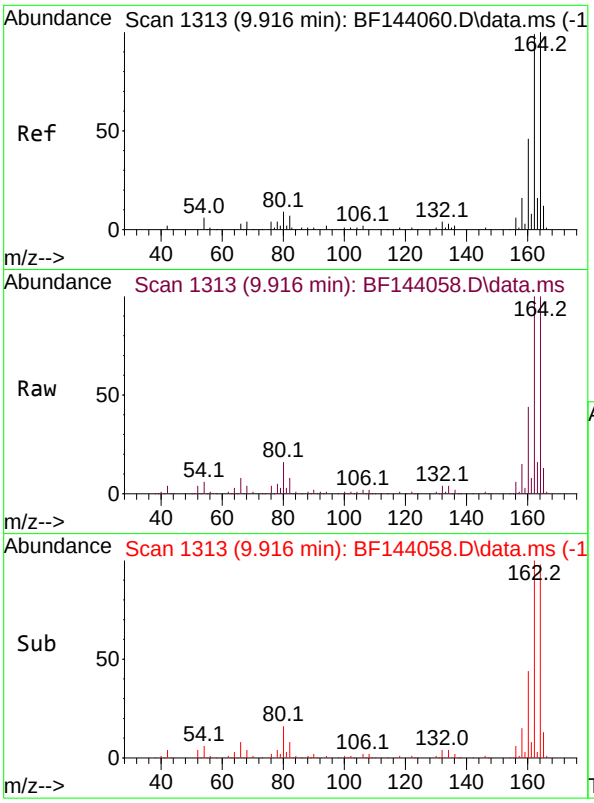


#38
1-Methylnaphthalene
Concen: 10.642 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:142 Resp: 108437

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.4	110.2



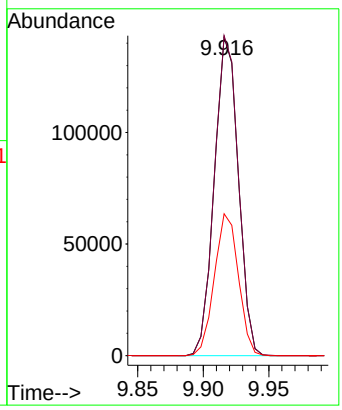


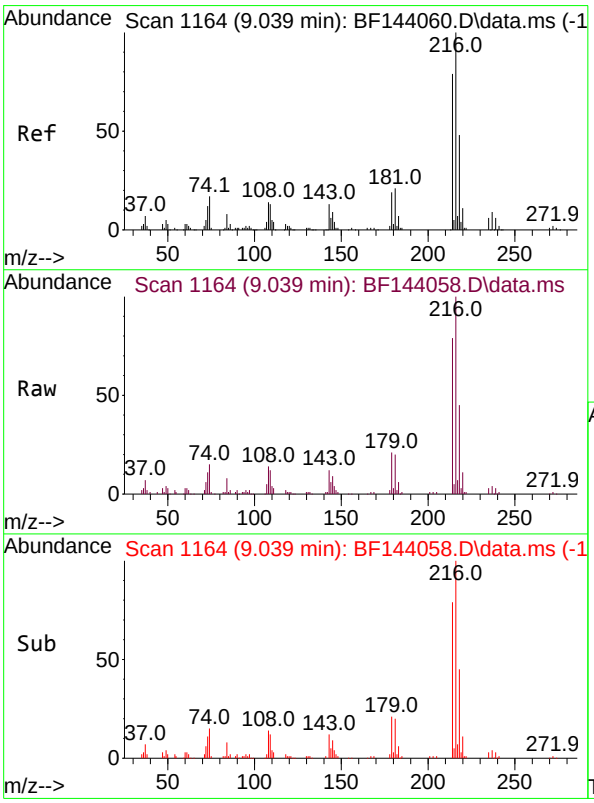
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

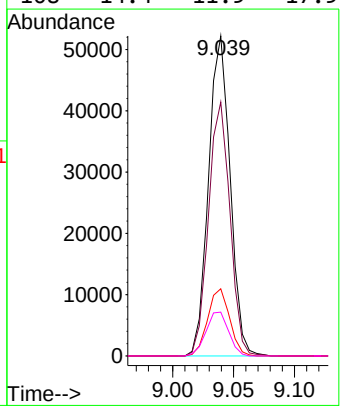


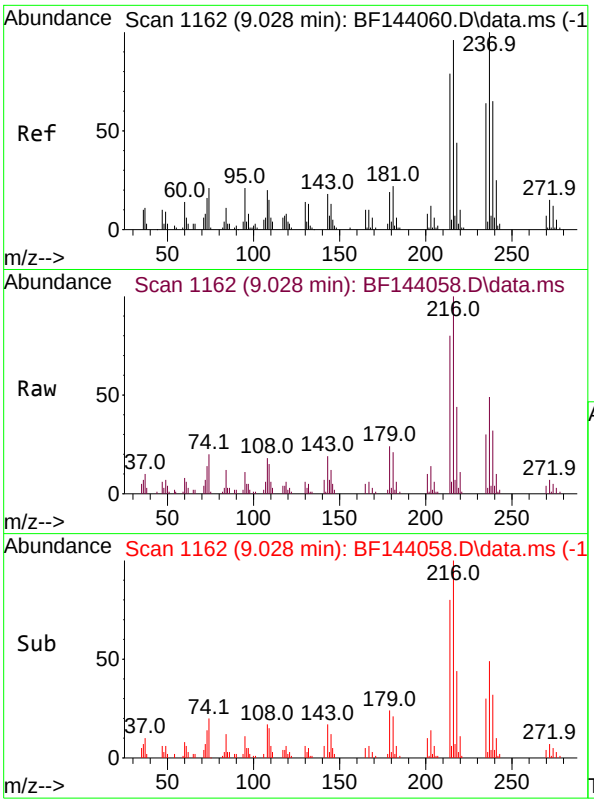


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.283 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



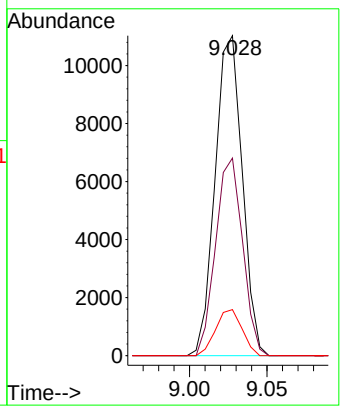


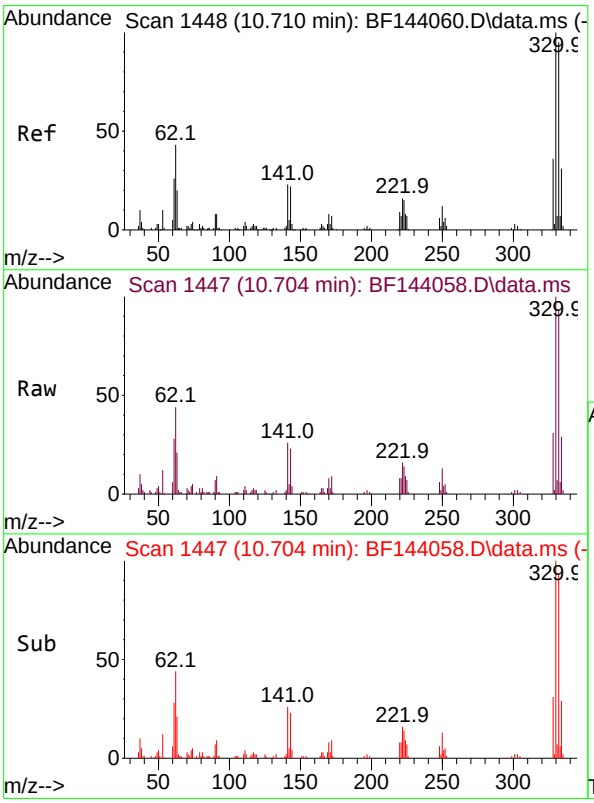
#41
Hexachlorocyclopentadiene
Concen: 6.972 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

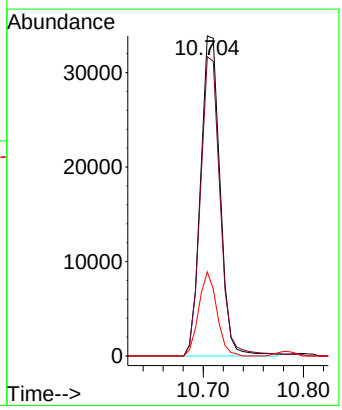


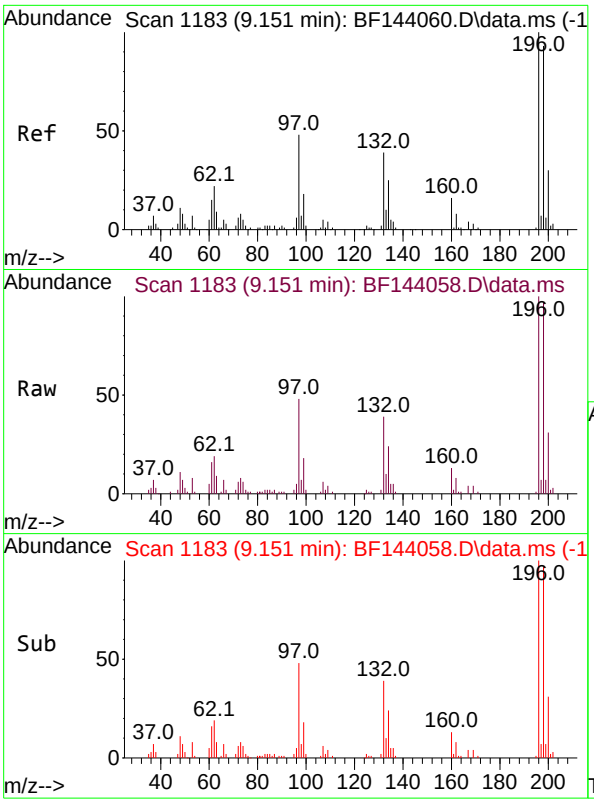


#42
2,4,6-Tribromophenol
Concen: 19.574 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



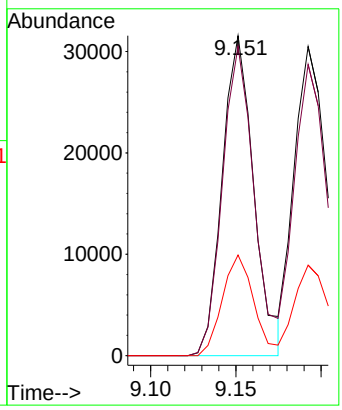


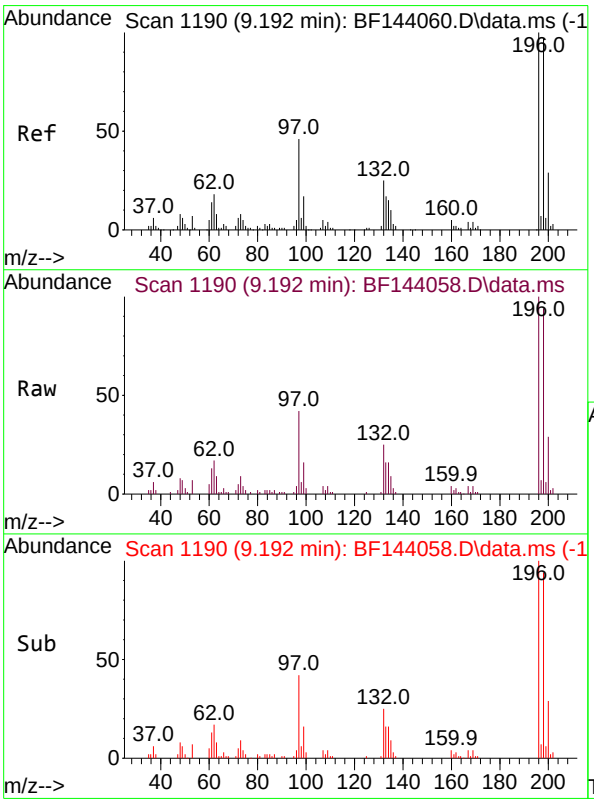
#43
2,4,6-Trichlorophenol
Concen: 10.000 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

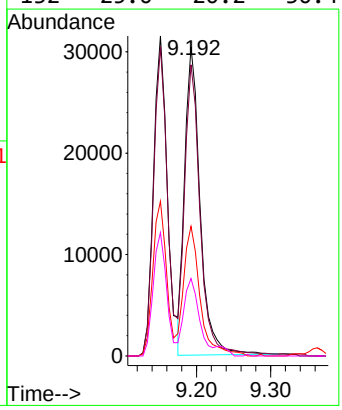


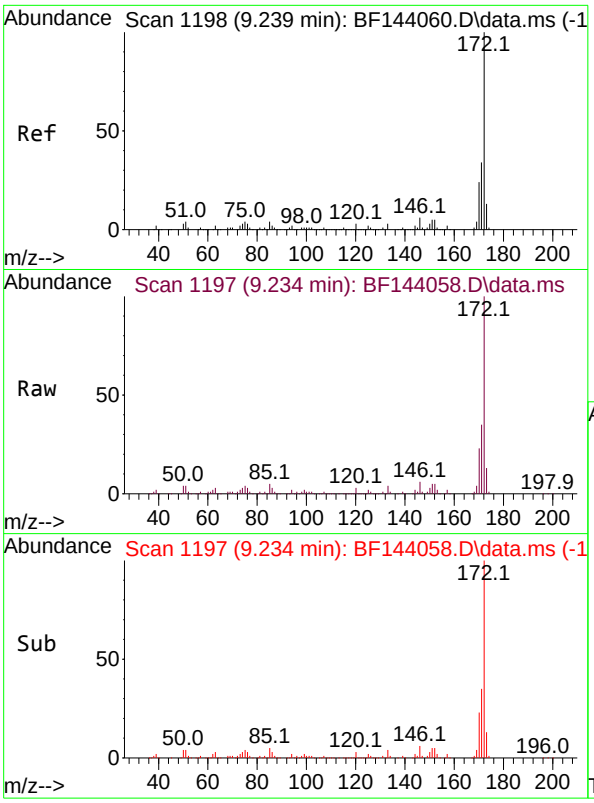


#44
2,4,5-Trichlorophenol
Concen: 10.341 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



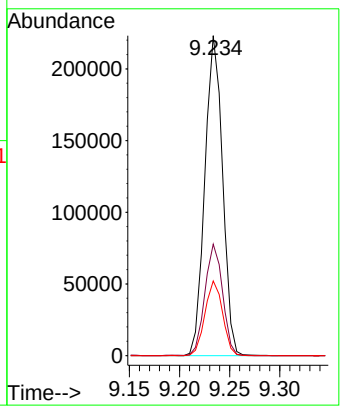


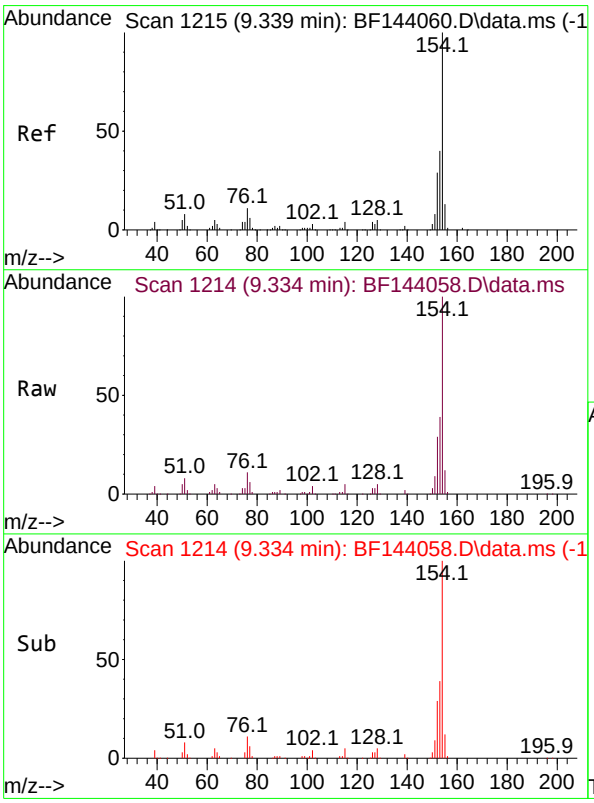
#45
2-Fluorobiphenyl
Concen: 21.152 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

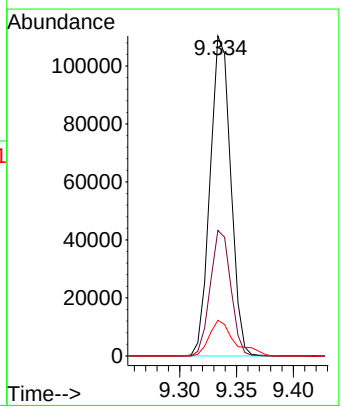


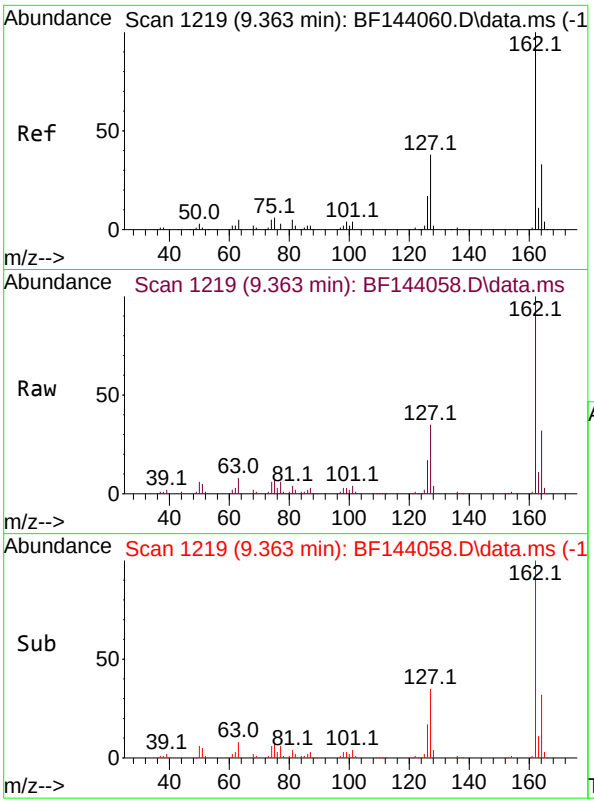


#46
1,1'-Biphenyl
Concen: 10.704 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



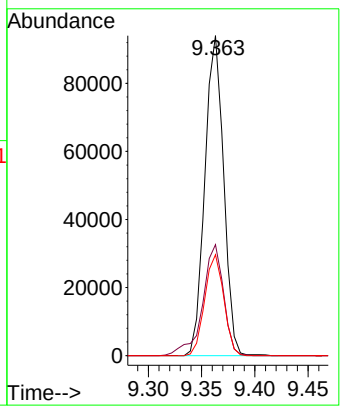


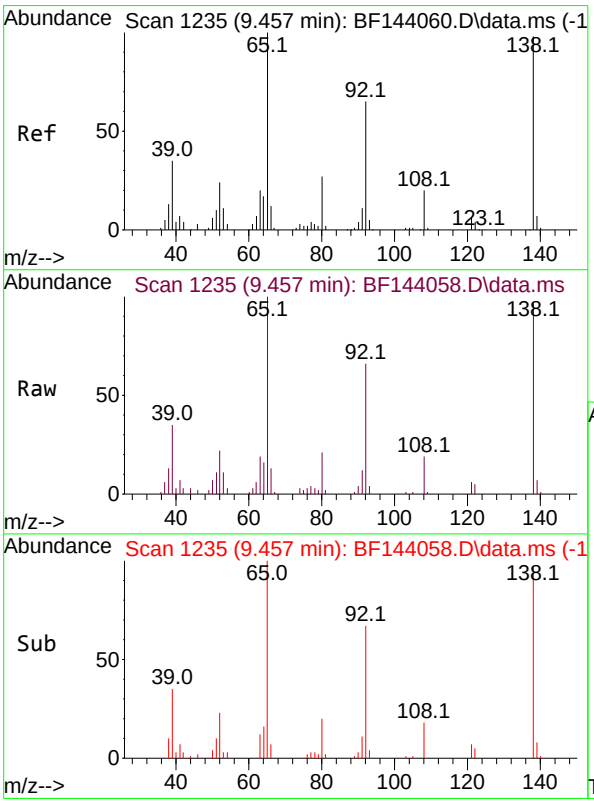
#47
2-Chloronaphthalene
Concen: 10.540 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

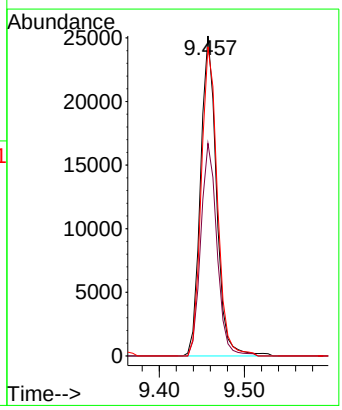


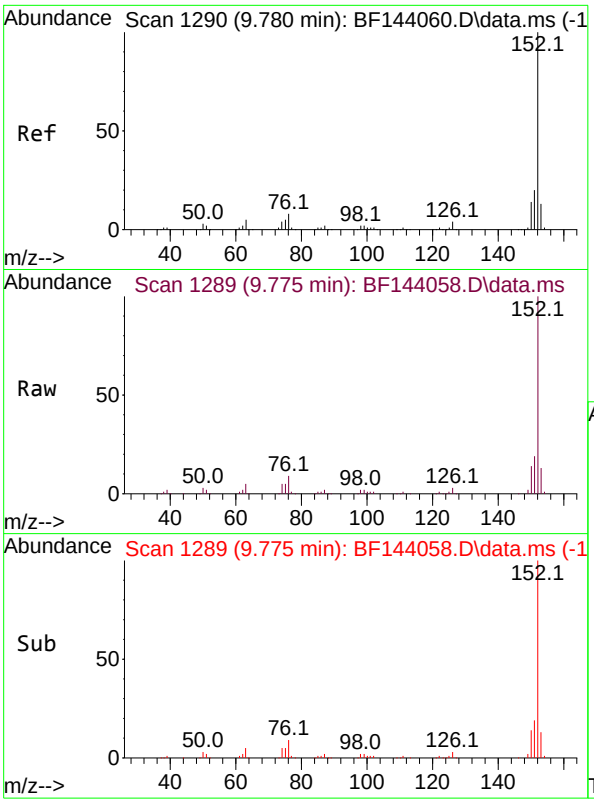


#48
2-Nitroaniline
Concen: 10.076 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



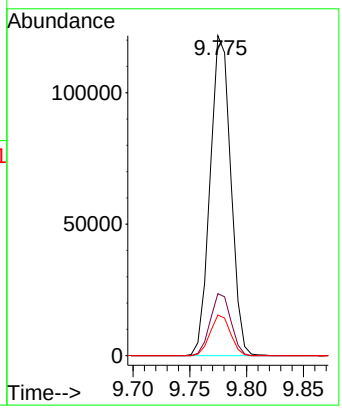


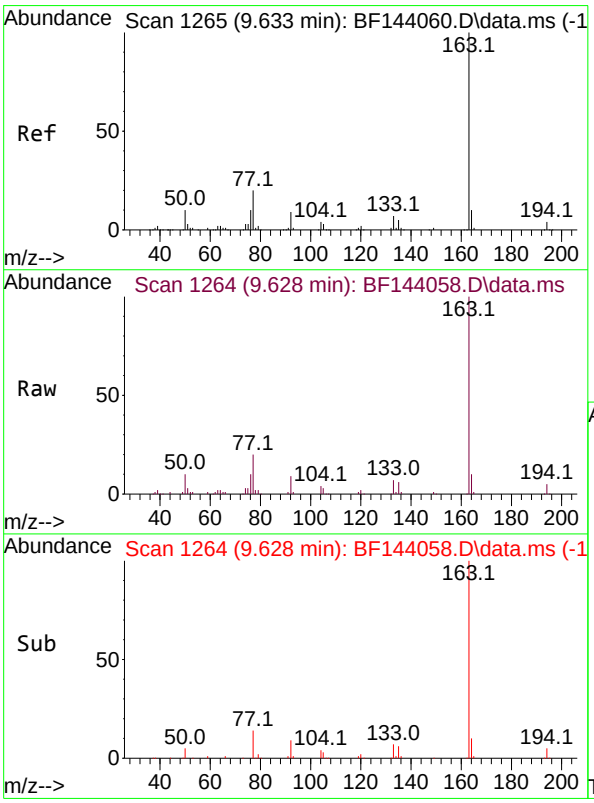
#49
Acenaphthylene
Concen: 10.470 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

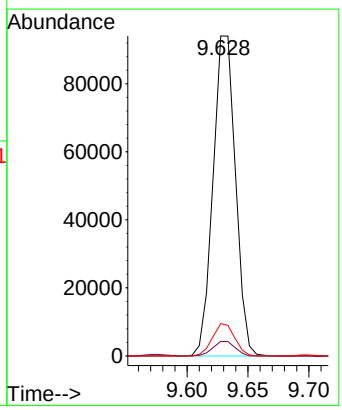


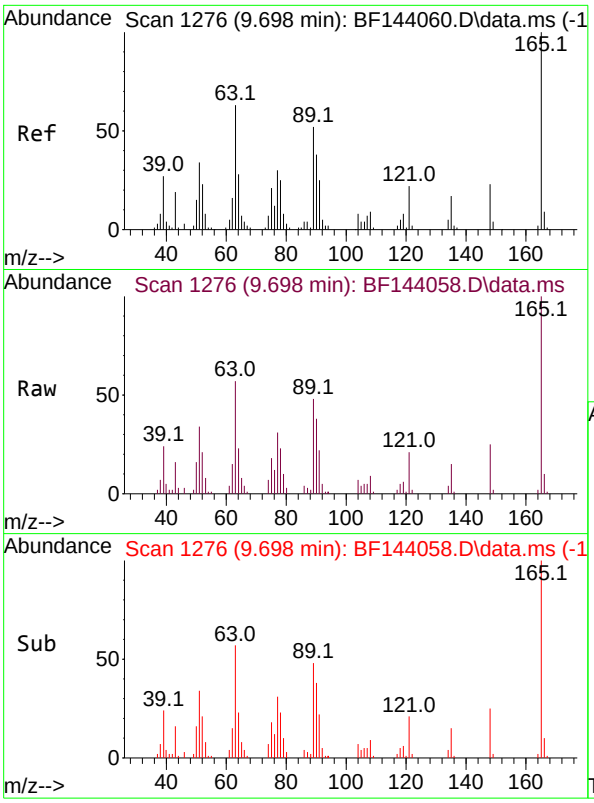


#50
Dimethylphthalate
Concen: 10.133 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



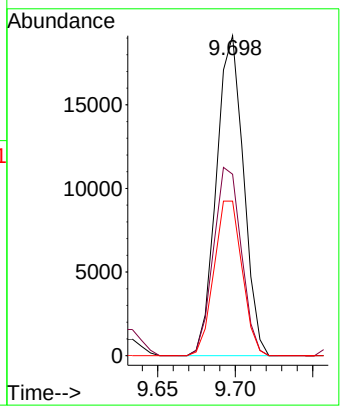


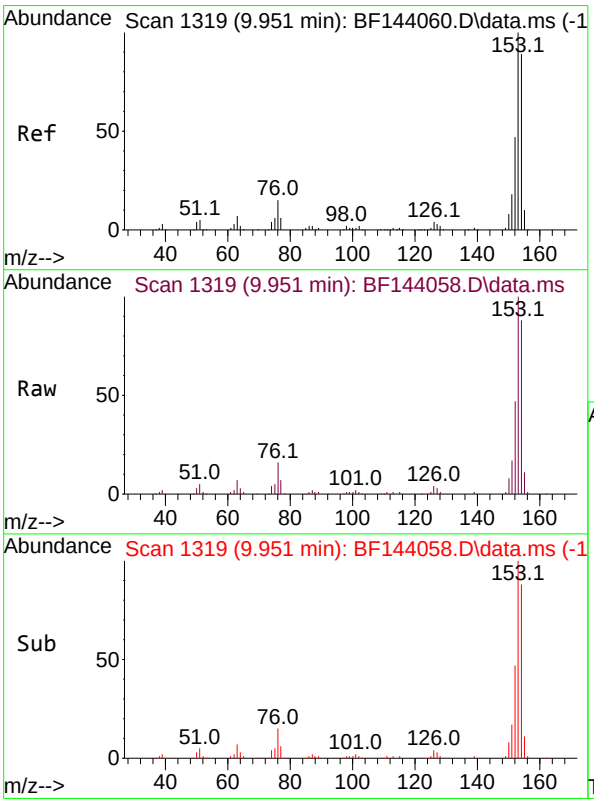
#51
2,6-Dinitrotoluene
Concen: 9.899 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

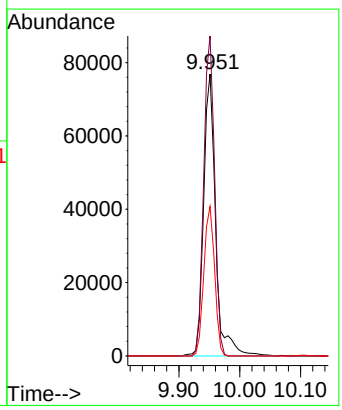


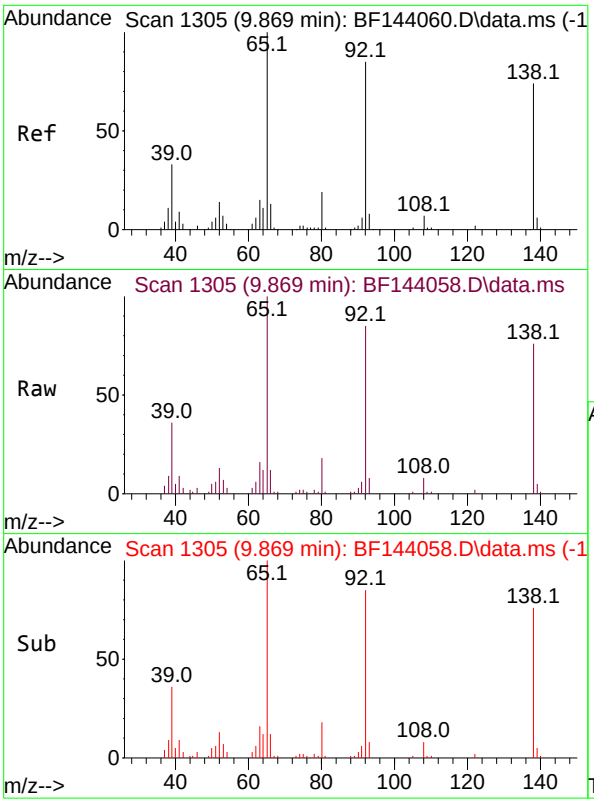


#52
Acenaphthene
Concen: 10.671 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



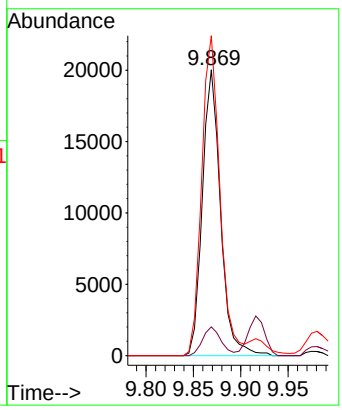


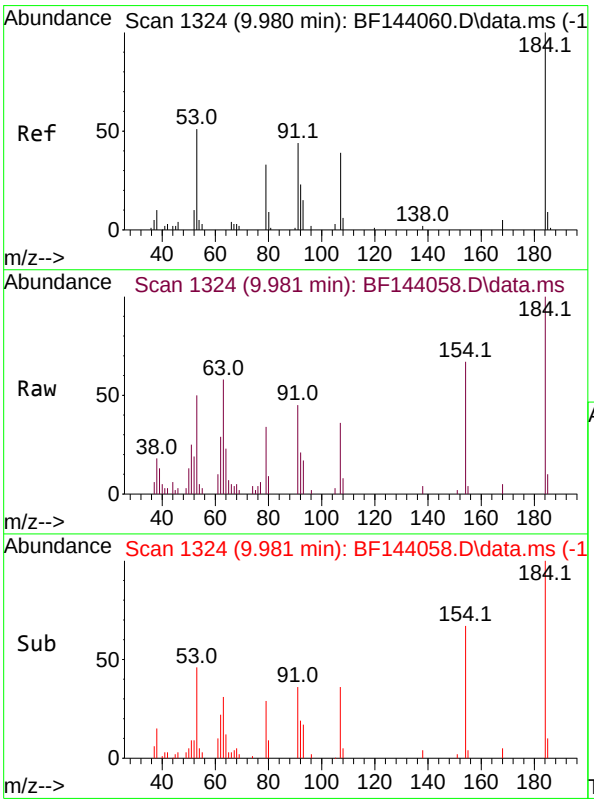
#53
3-Nitroaniline
Concen: 10.196 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

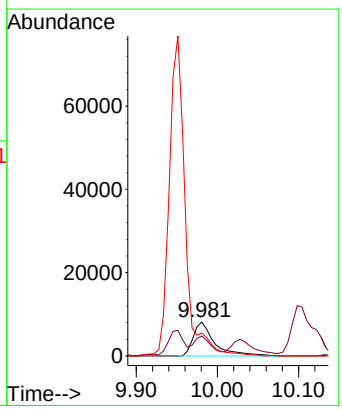


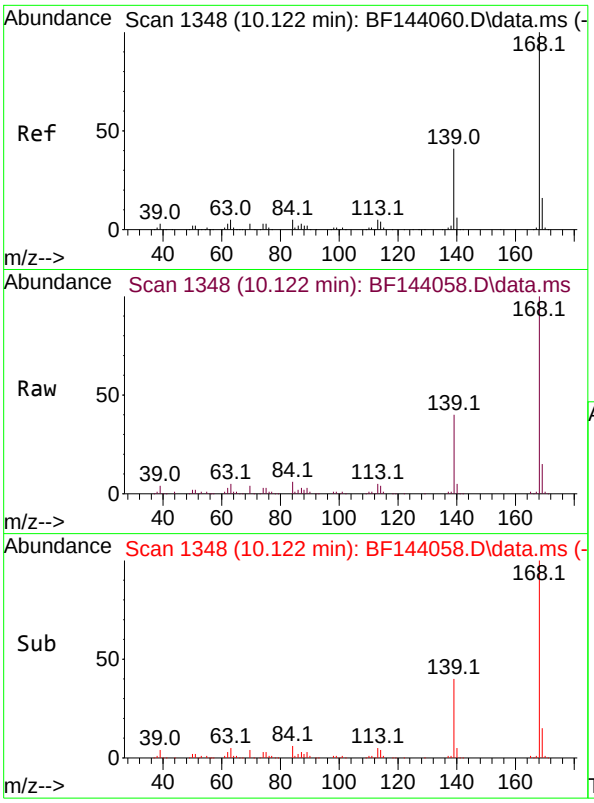


#54
2,4-Dinitrophenol
Concen: 11.496 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



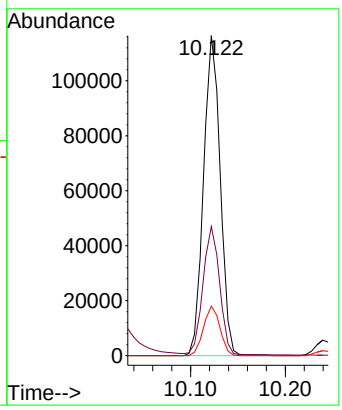


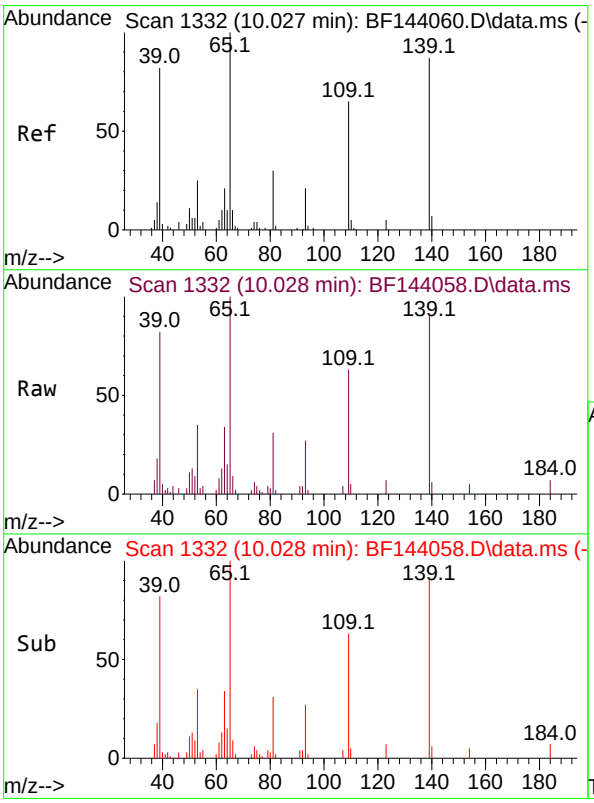
#55
Dibenzofuran
Concen: 10.481 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

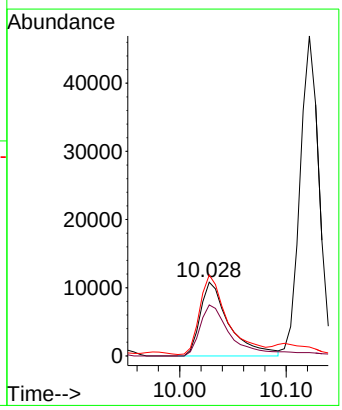


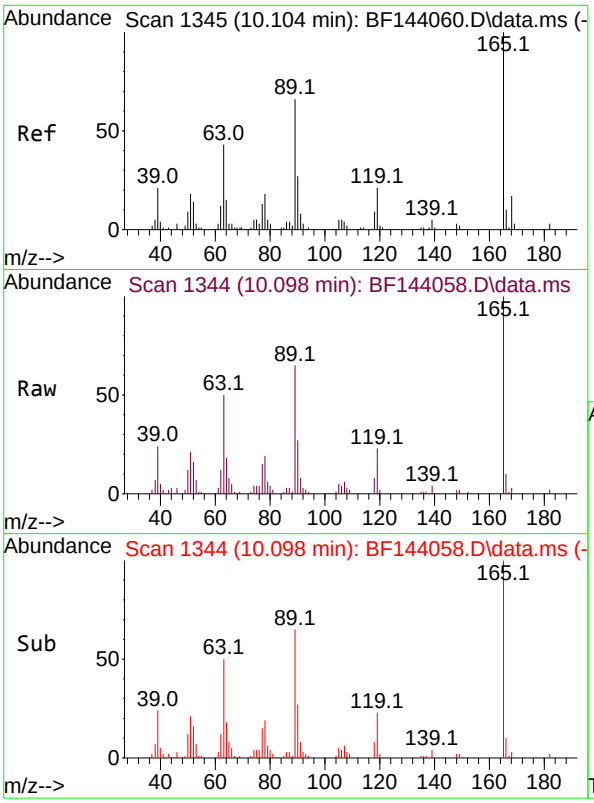


#56
4-Nitrophenol
Concen: 11.482 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



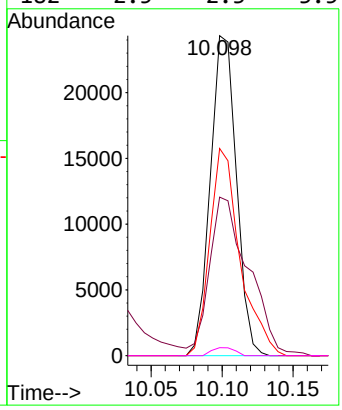


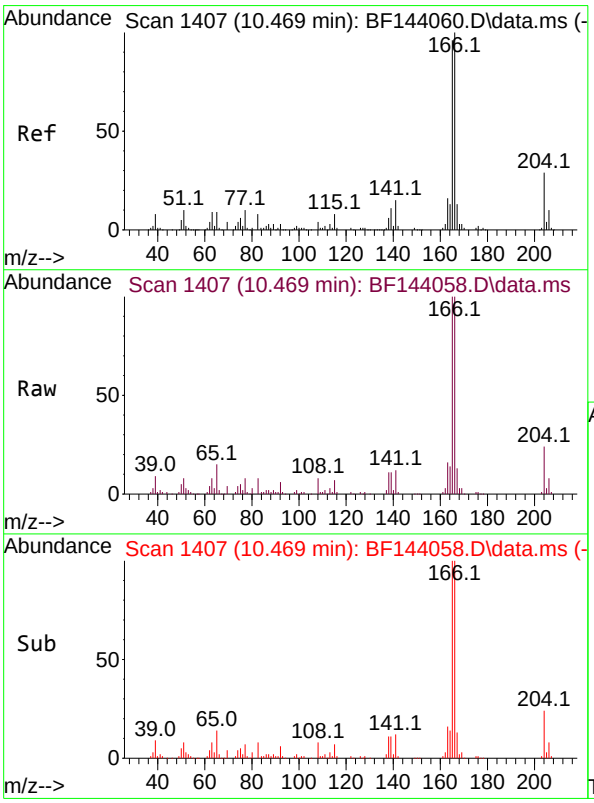
#57
2,4-Dinitrotoluene
Concen: 9.793 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

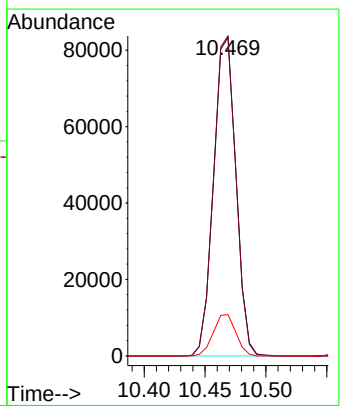


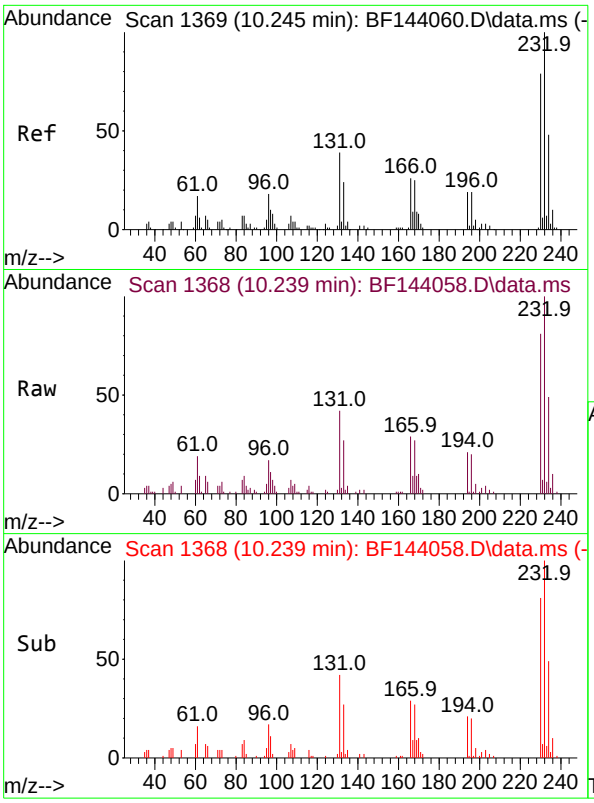


#58
Fluorene
Concen: 10.232 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



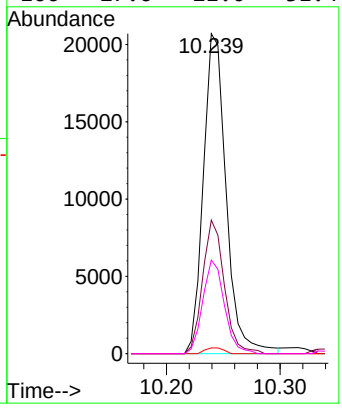


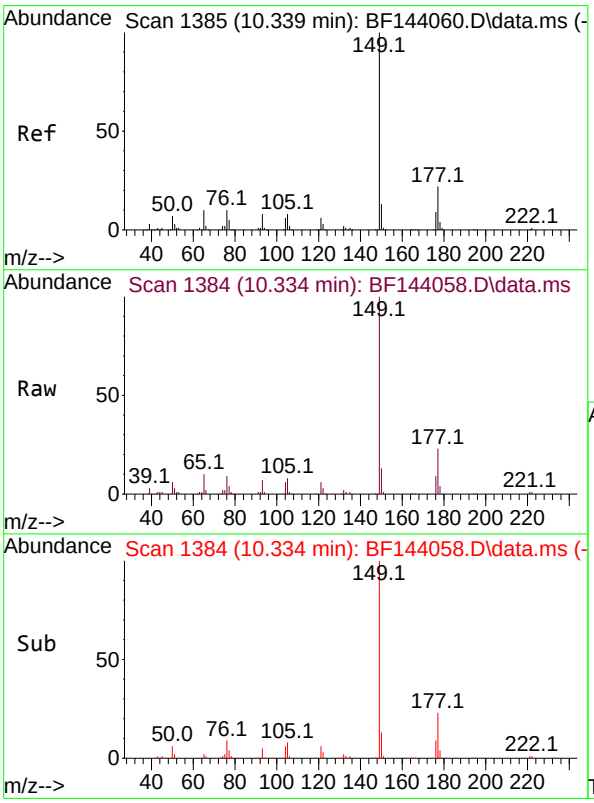
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.612 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

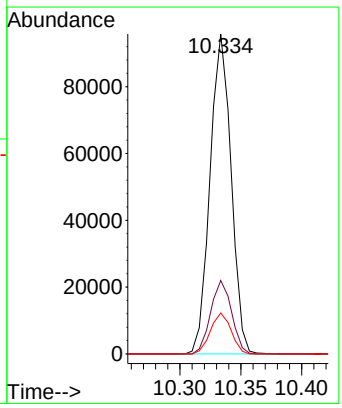


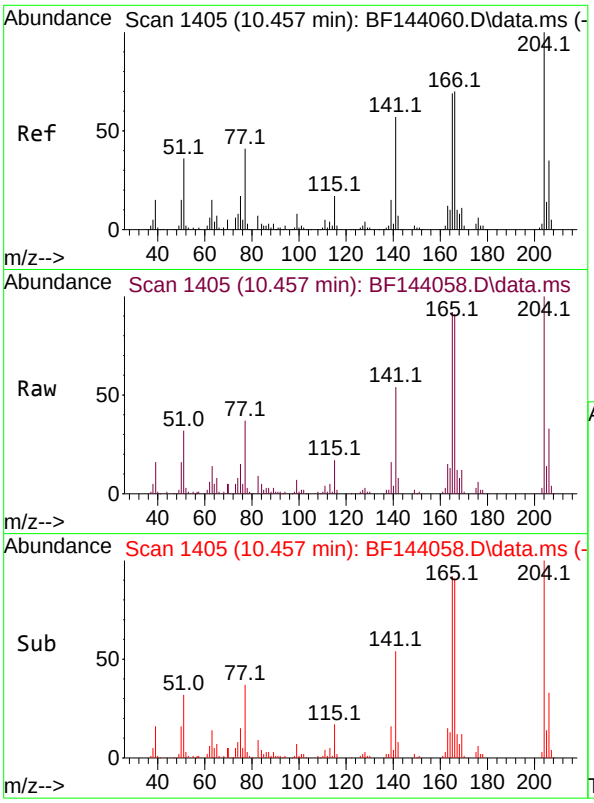


#60
Diethylphthalate
Concen: 10.256 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



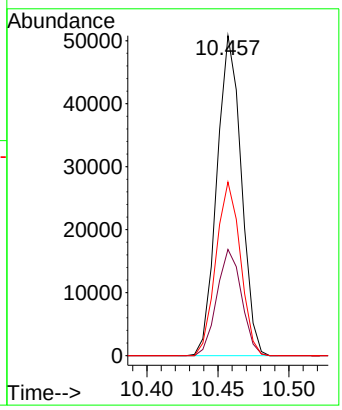


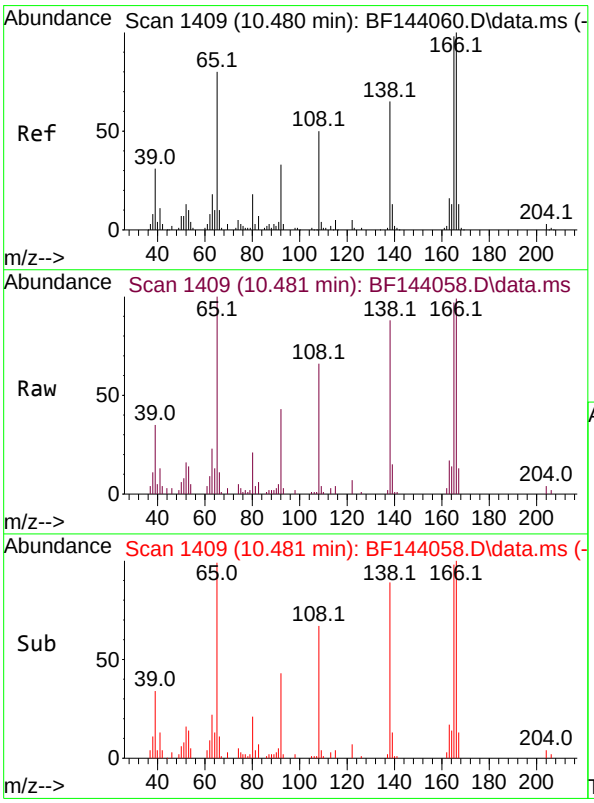
#61
4-Chlorophenyl-phenylether
Concen: 10.385 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

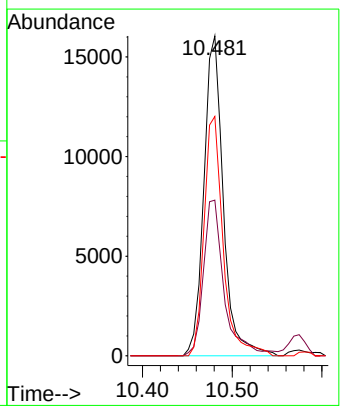


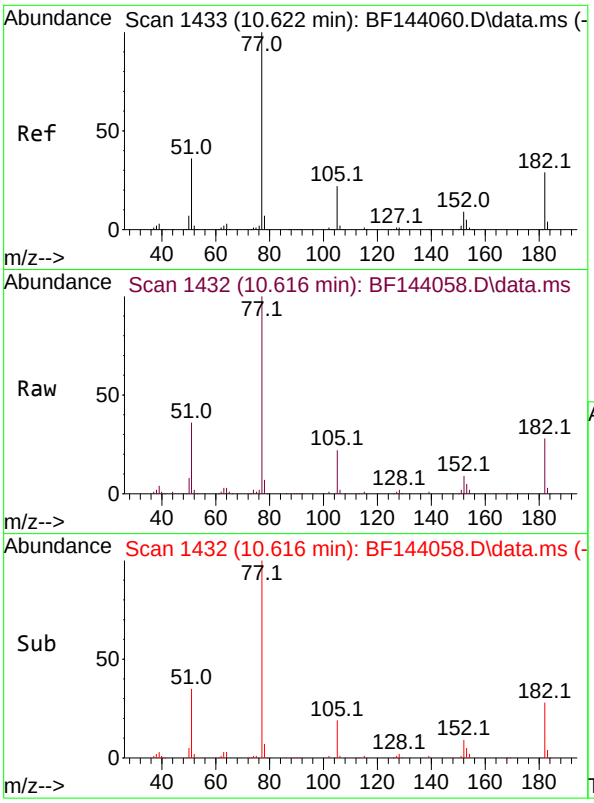


#62
4-Nitroaniline
Concen: 9.752 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



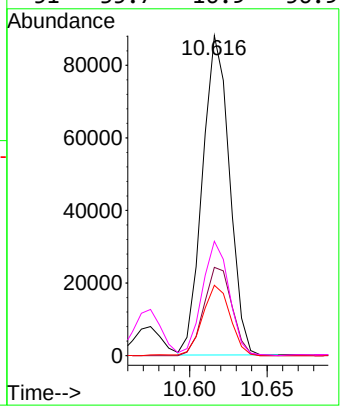


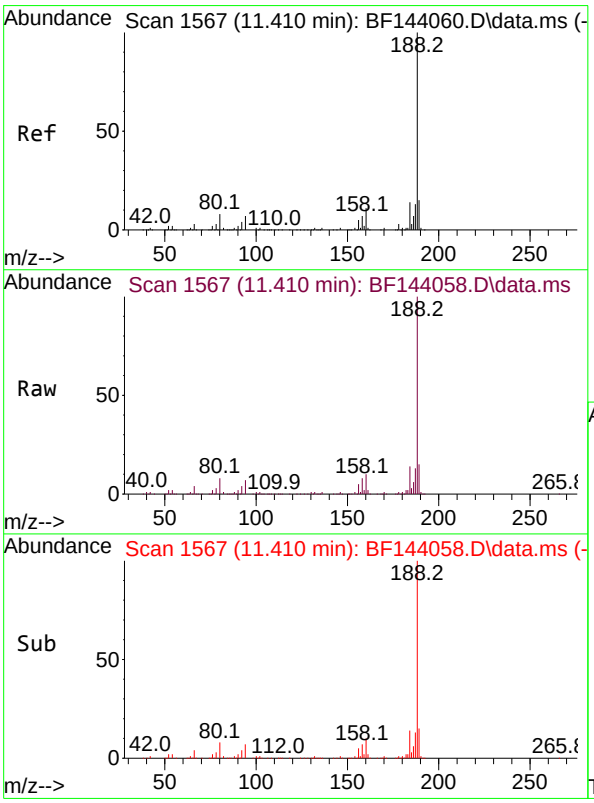
#63
Azobenzene
Concen: 10.095 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

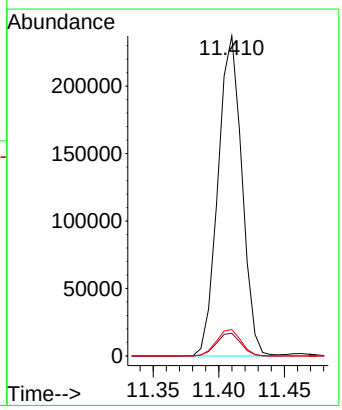


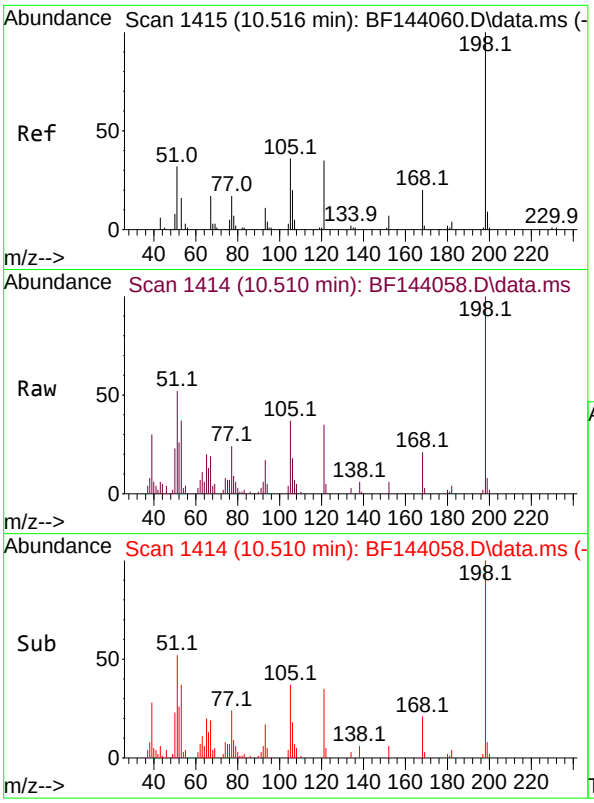


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



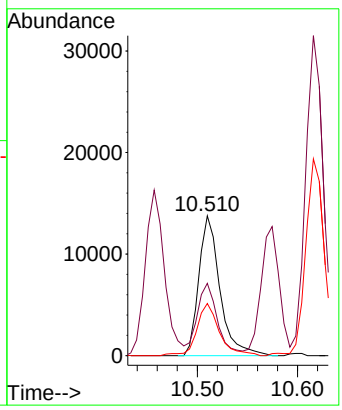


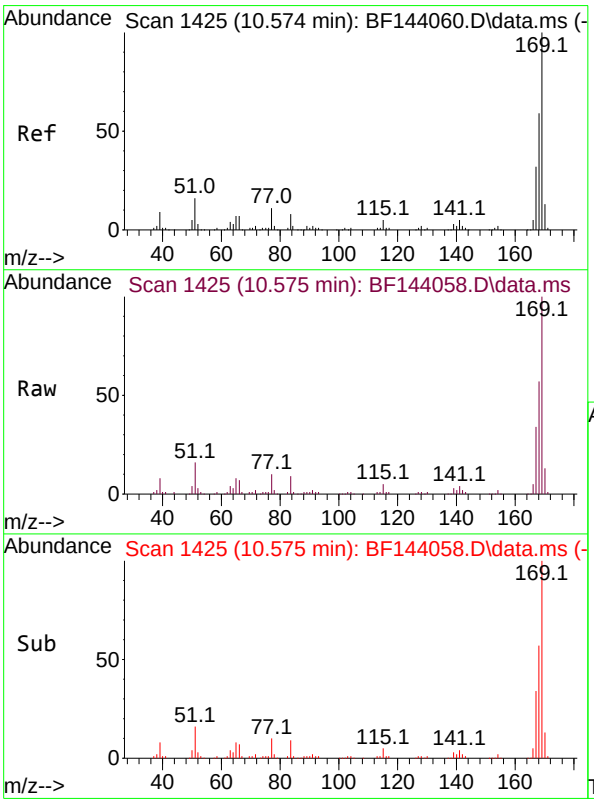
#65
4,6-Dinitro-2-methylphenol
Concen: 10.394 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

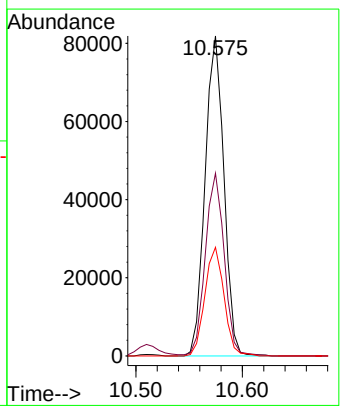


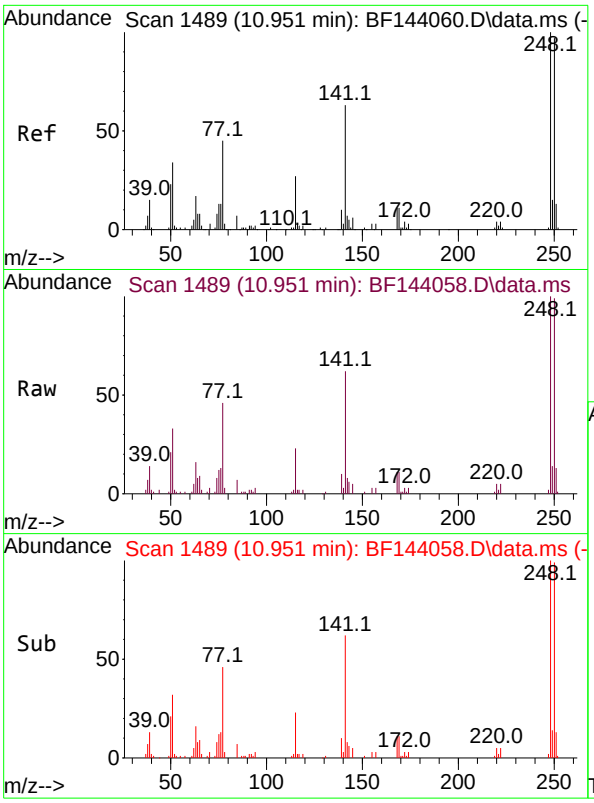


#66
n-Nitrosodiphenylamine
Concen: 10.422 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



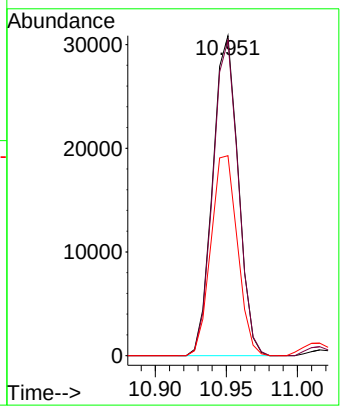


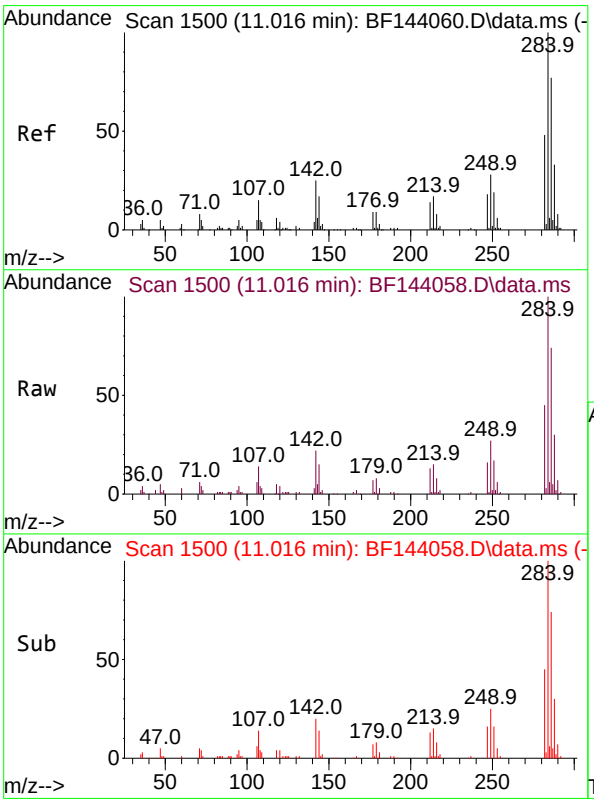
#67
4-Bromophenyl-phenylether
Concen: 10.242 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

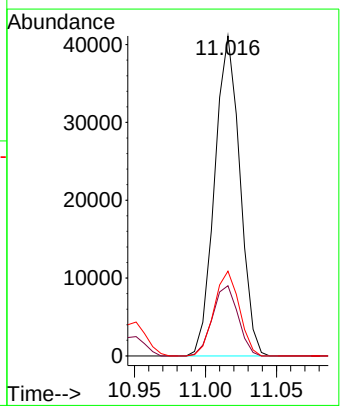


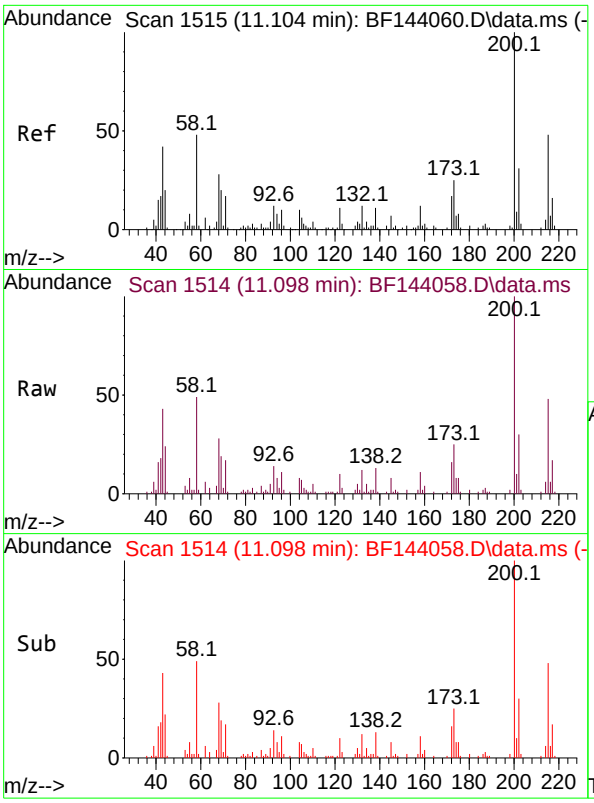


#68
Hexachlorobenzene
Concen: 10.990 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



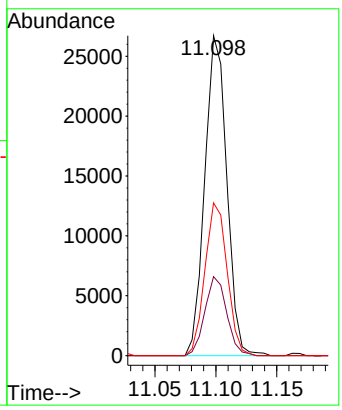


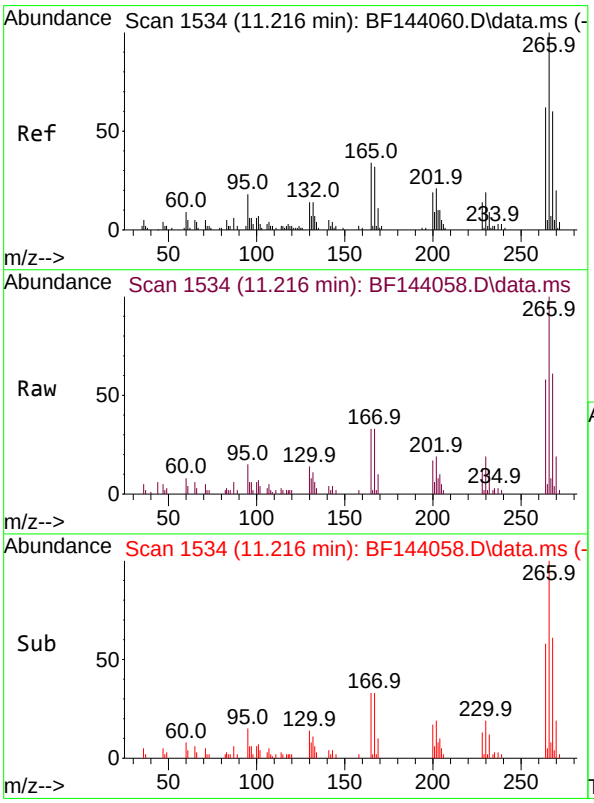
#69
Atrazine
Concen: 10.638 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

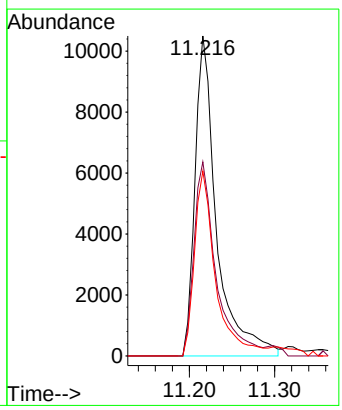


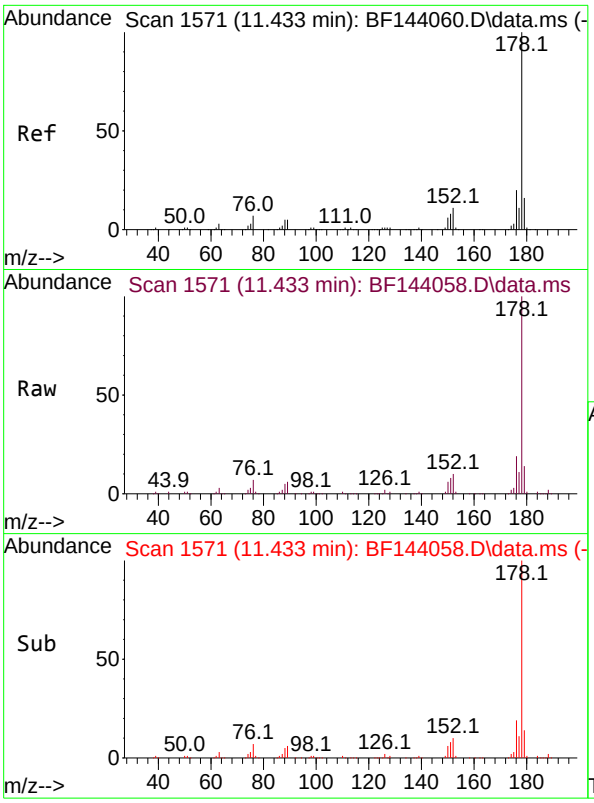


#70
Pentachlorophenol
Concen: 8.386 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



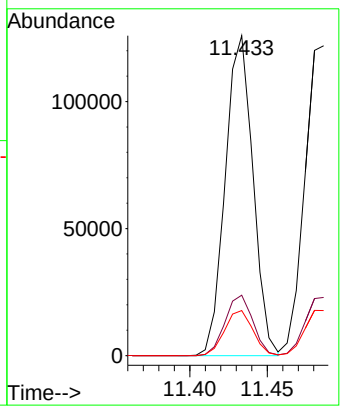


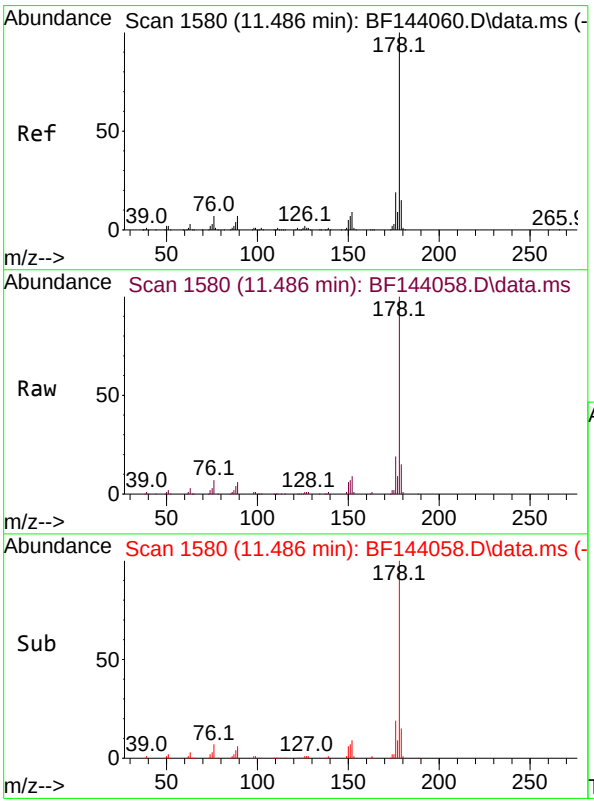
#71
Phenanthrene
Concen: 10.467 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

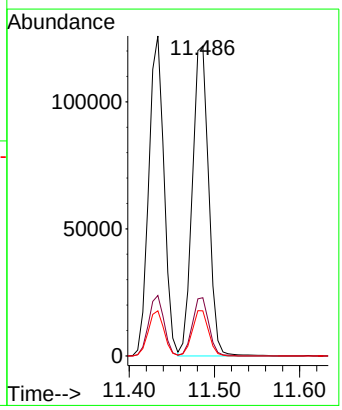


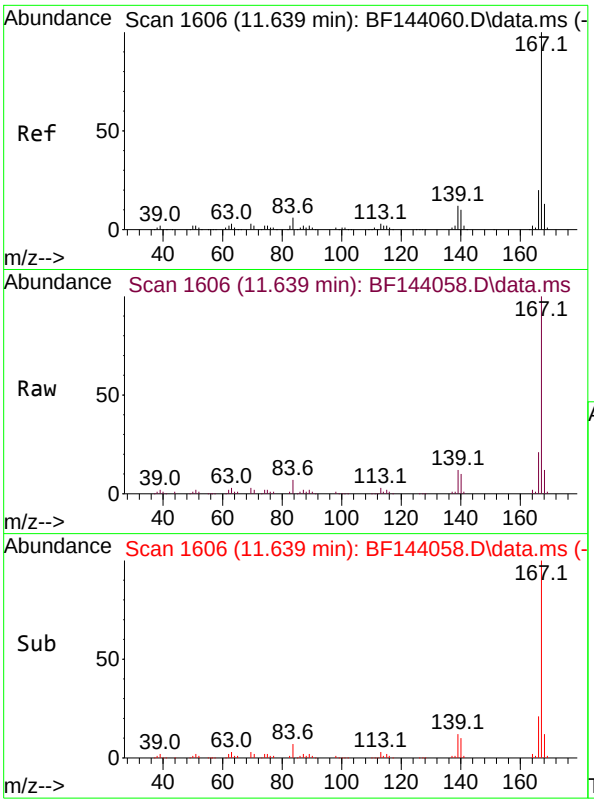


#72
Anthracene
Concen: 10.491 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



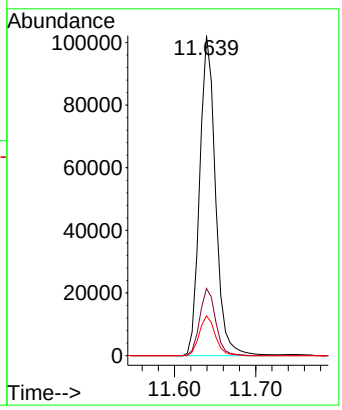


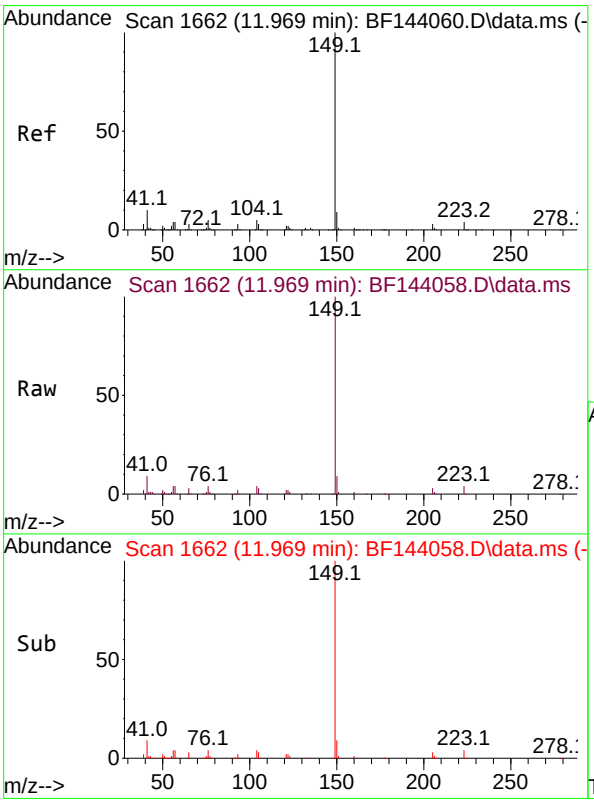
#73
Carbazole
Concen: 10.534 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

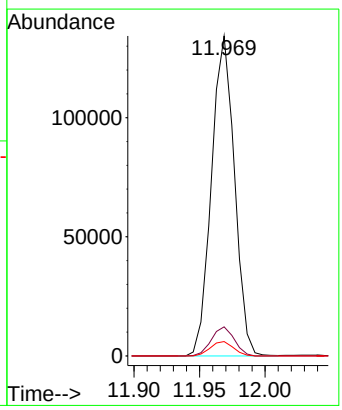


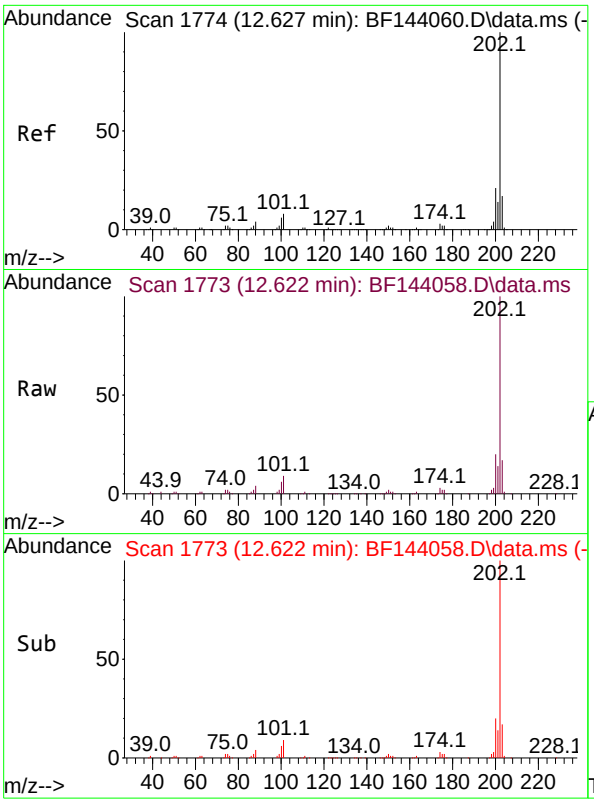


#74
Di-n-butylphthalate
Concen: 10.183 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



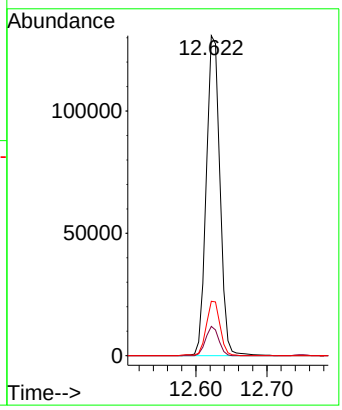


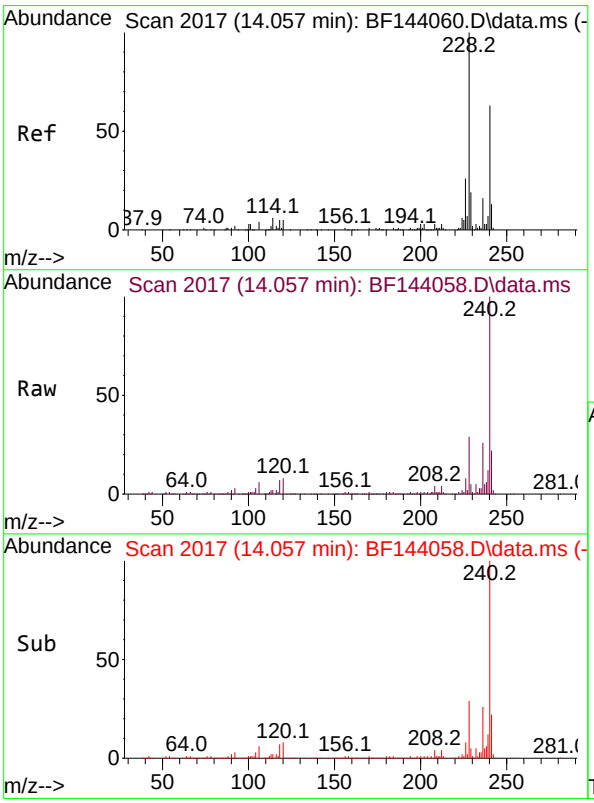
#75
Fluoranthene
Concen: 10.486 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

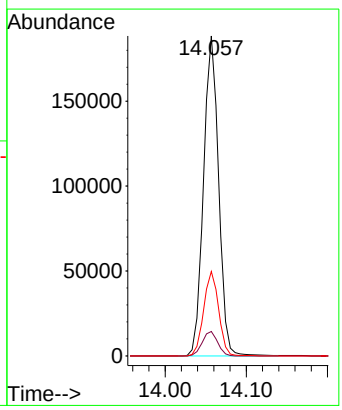


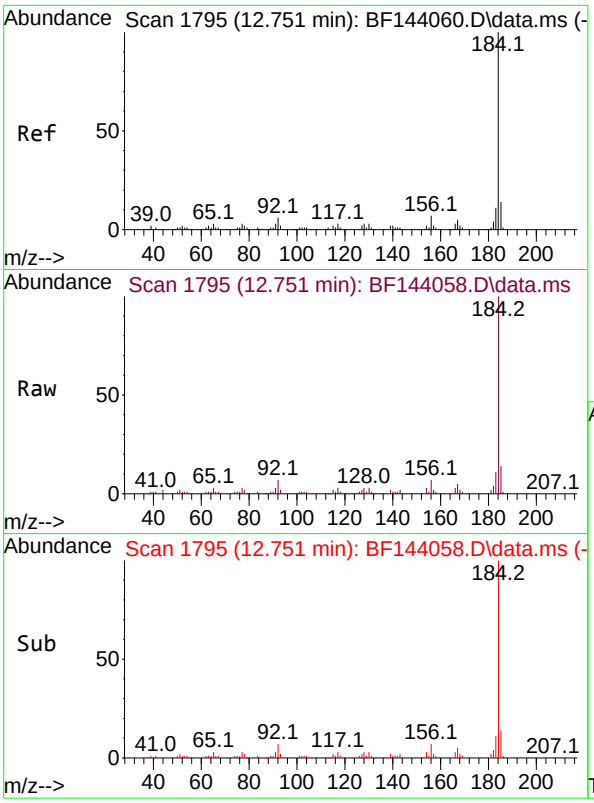


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



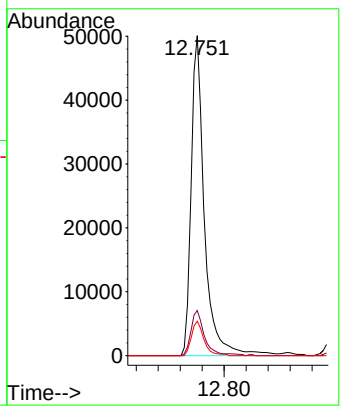


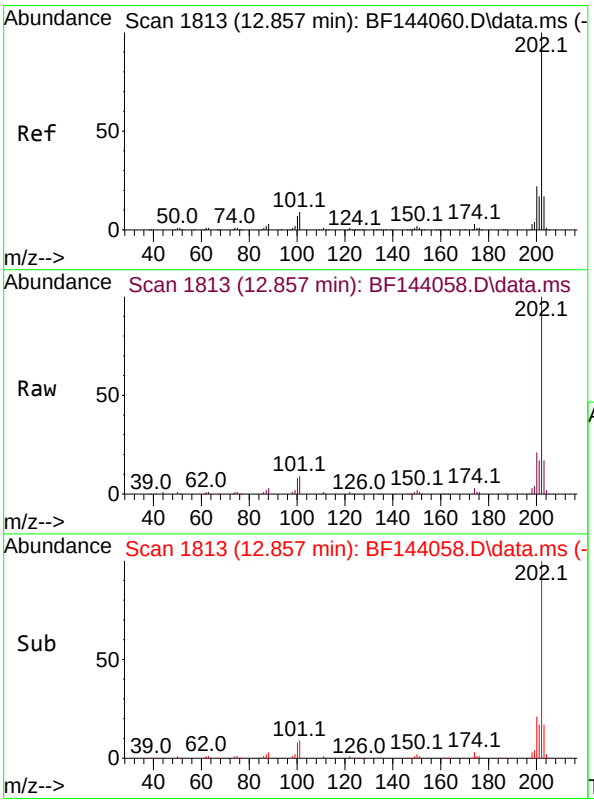
#77
Benzidine
Concen: 11.068 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

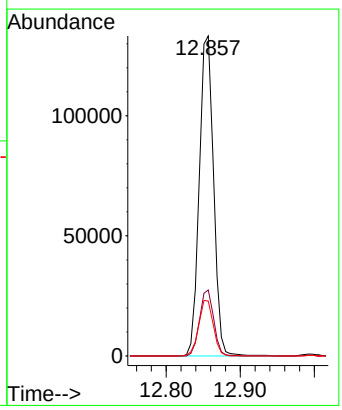


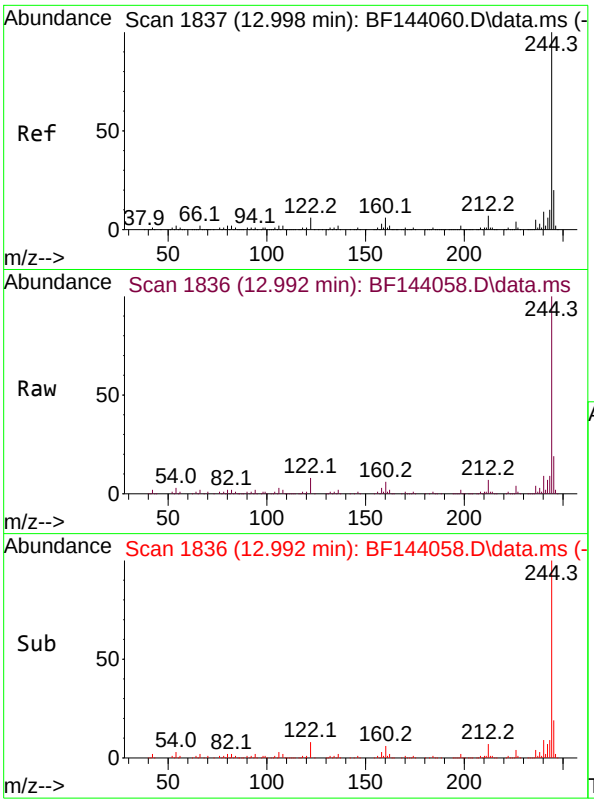


#78
Pyrene
Concen: 10.196 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



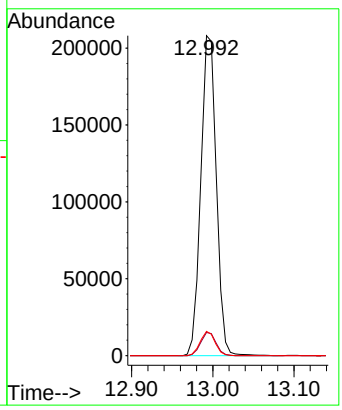


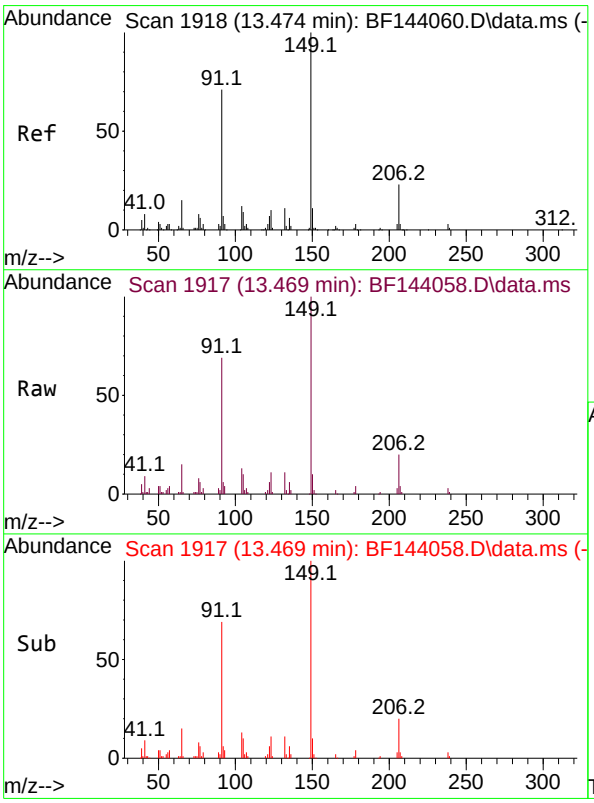
#79
Terphenyl-d14
Concen: 19.833 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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#

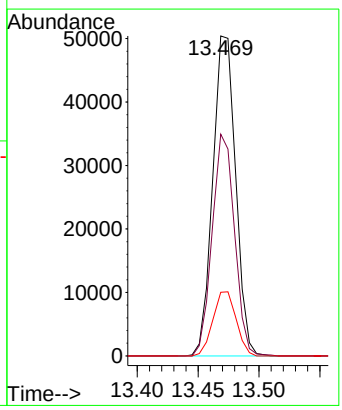


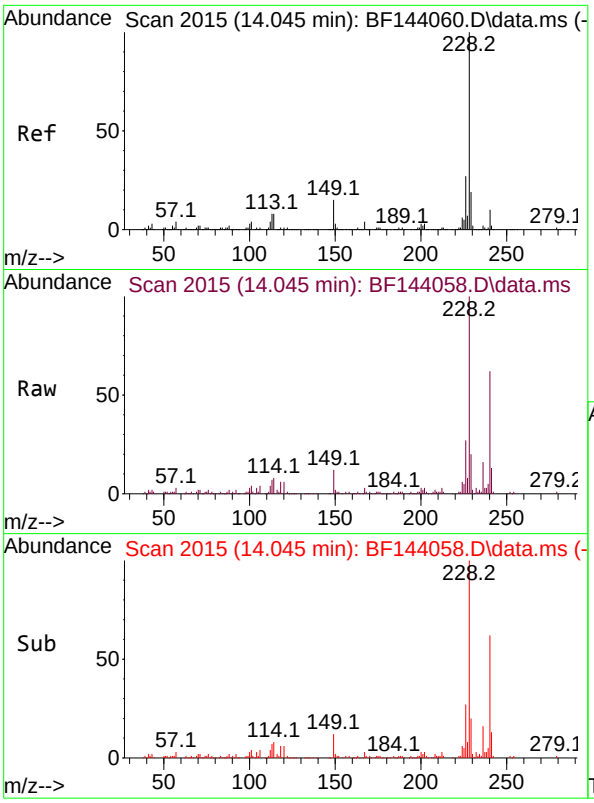


#80
Butylbenzylphthalate
Concen: 9.964 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



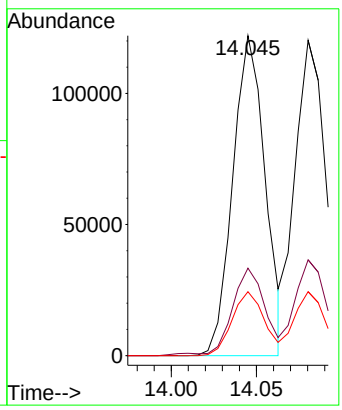


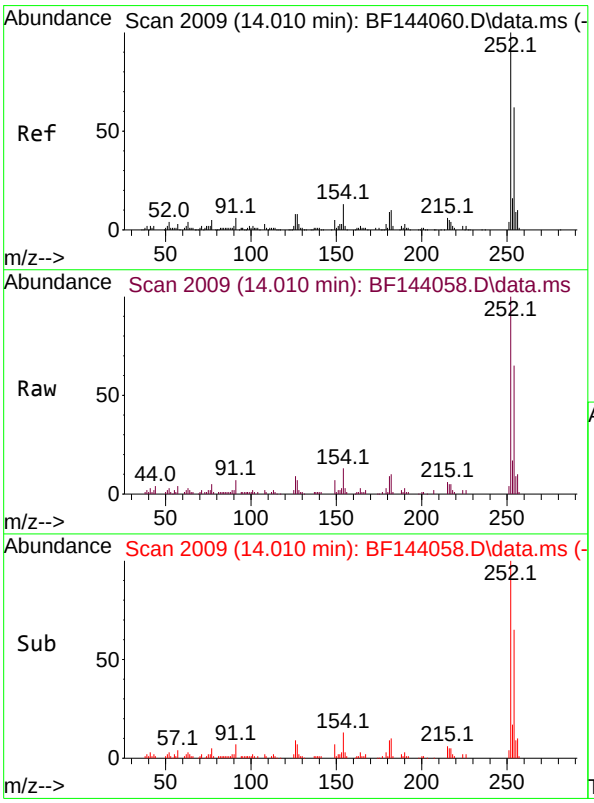
#81
Benzo(a)anthracene
Concen: 9.778 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

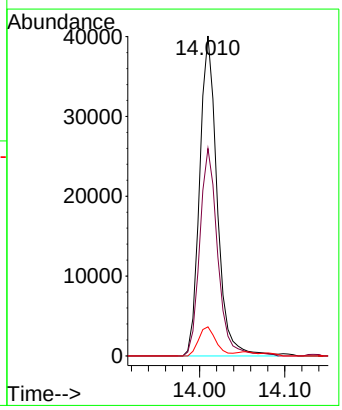


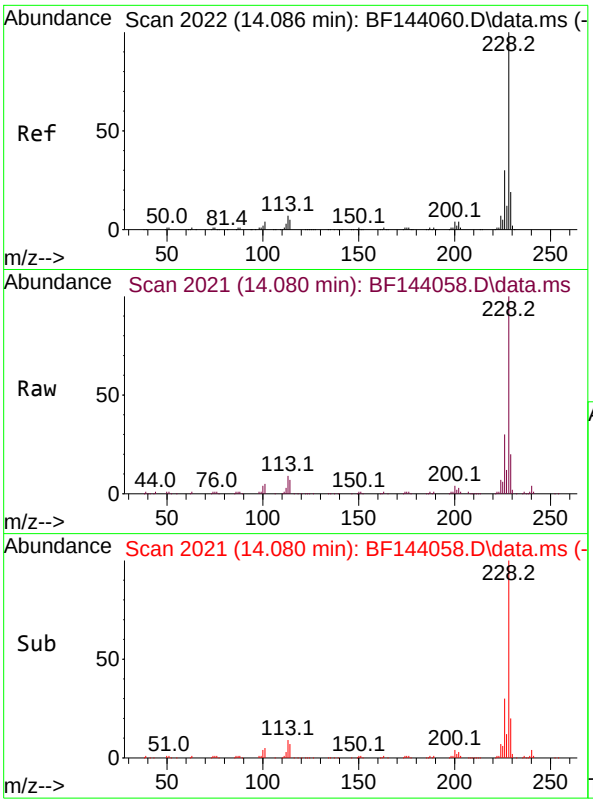


#82
3,3'-Dichlorobenzidine
Concen: 9.963 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



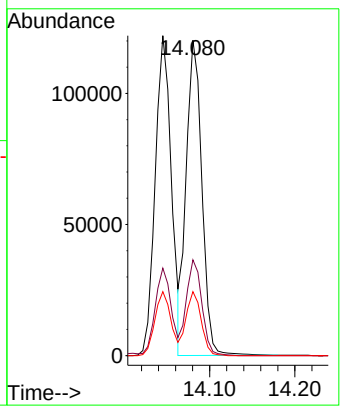


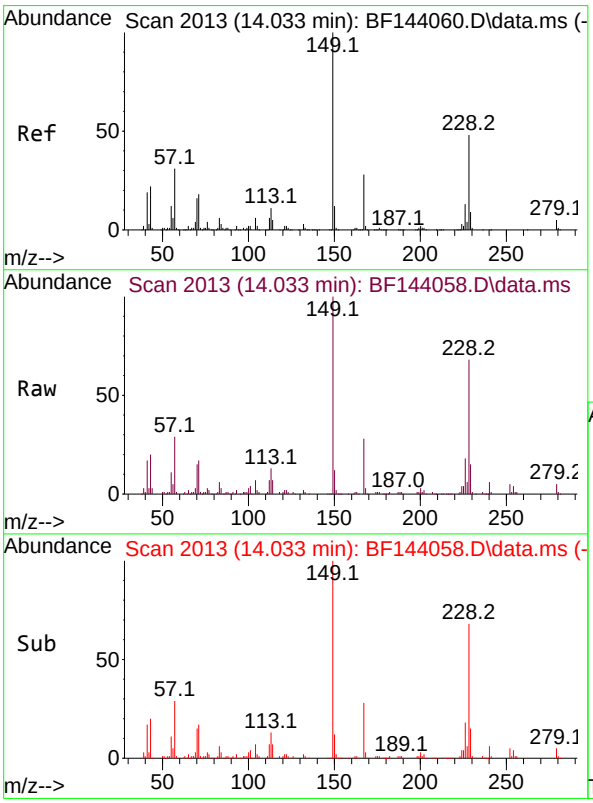
#83
Chrysene
Concen: 9.954 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

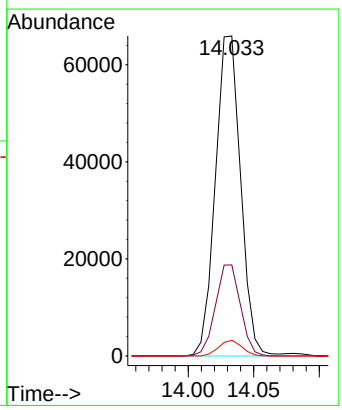


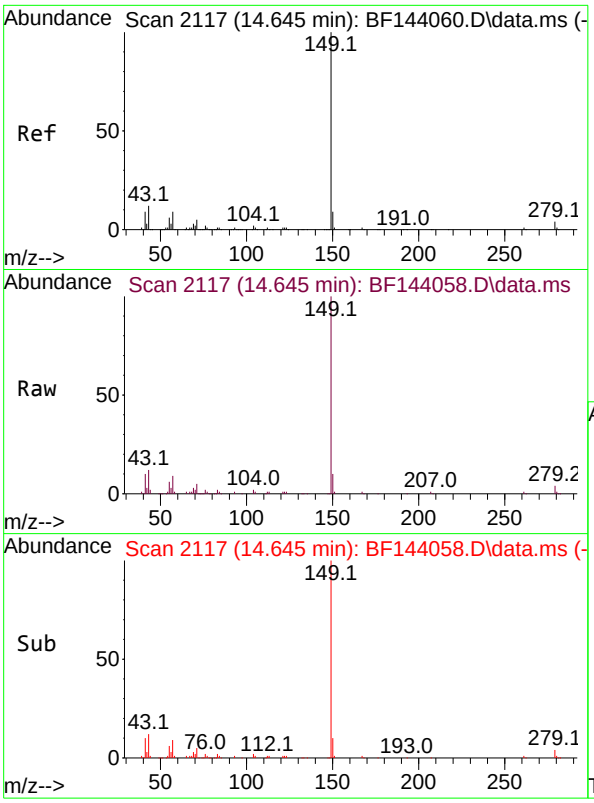


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.765 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



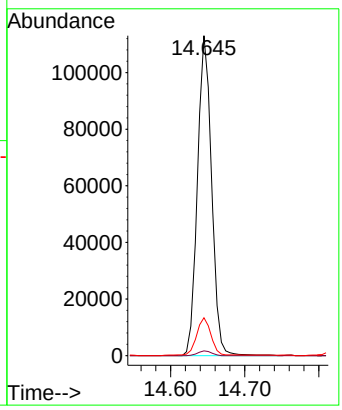


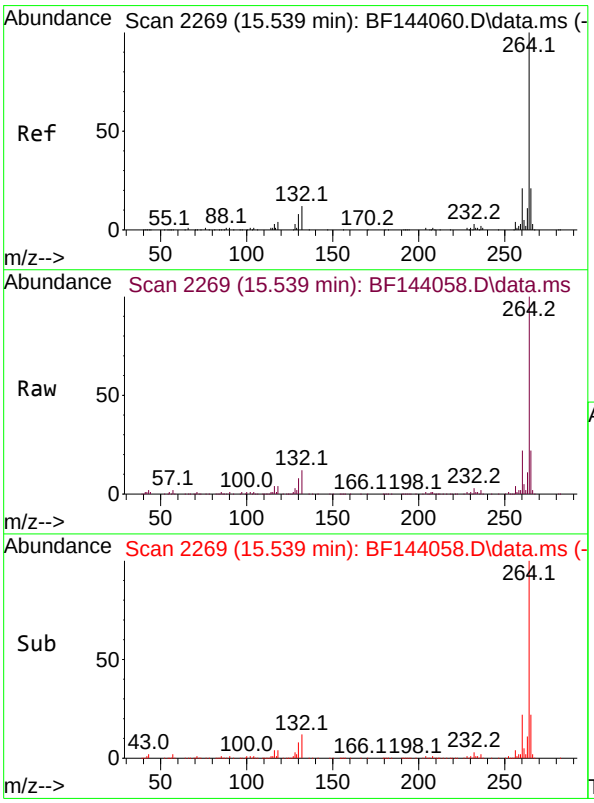
#85
Di-n-octyl phthalate
Concen: 9.616 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

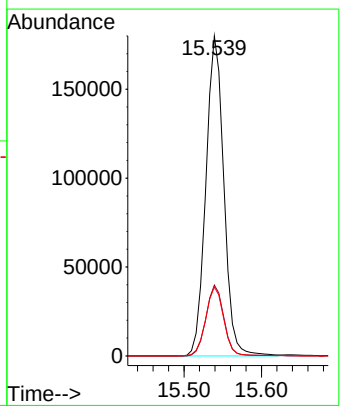


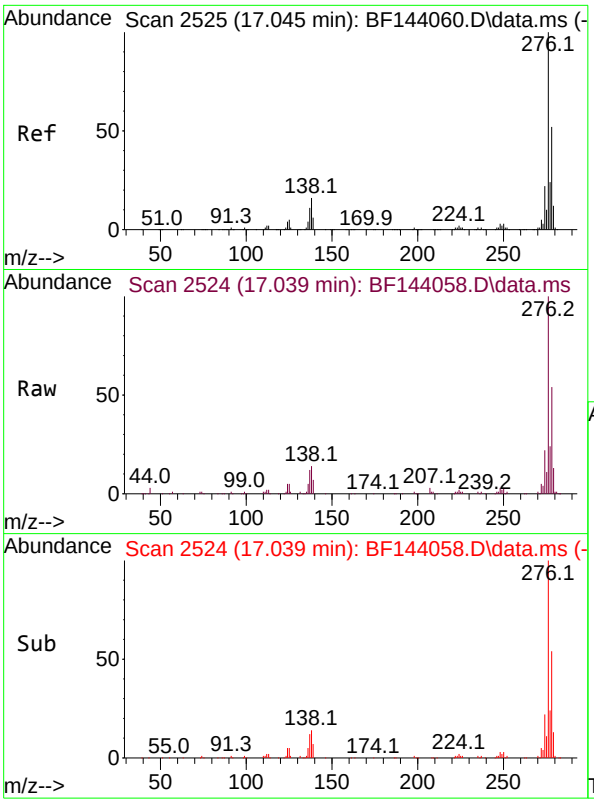


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



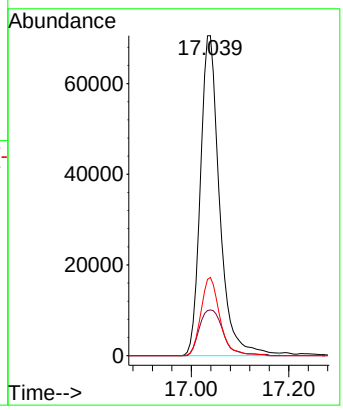


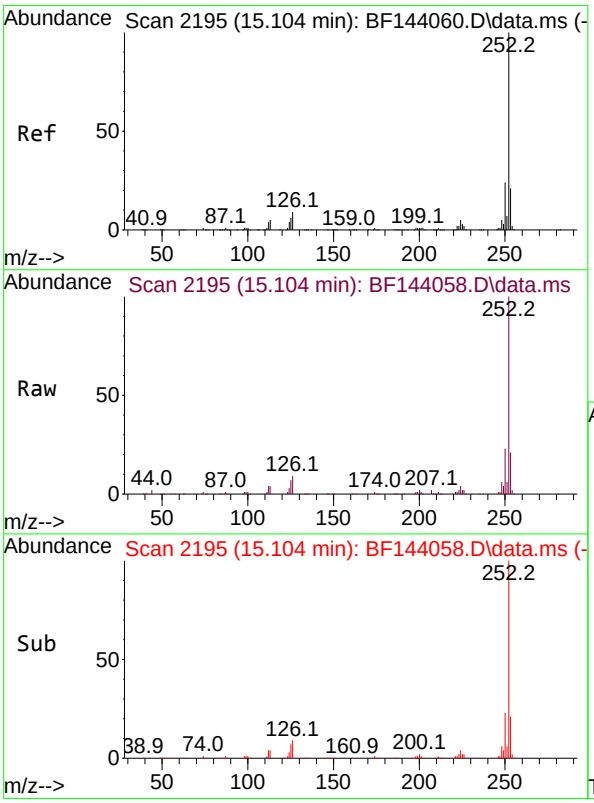
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.695 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

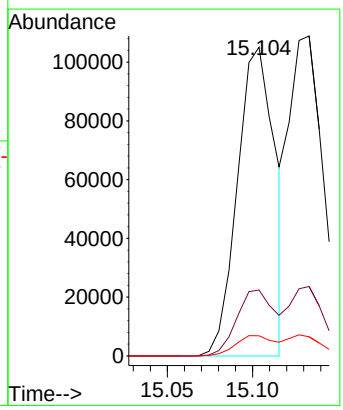


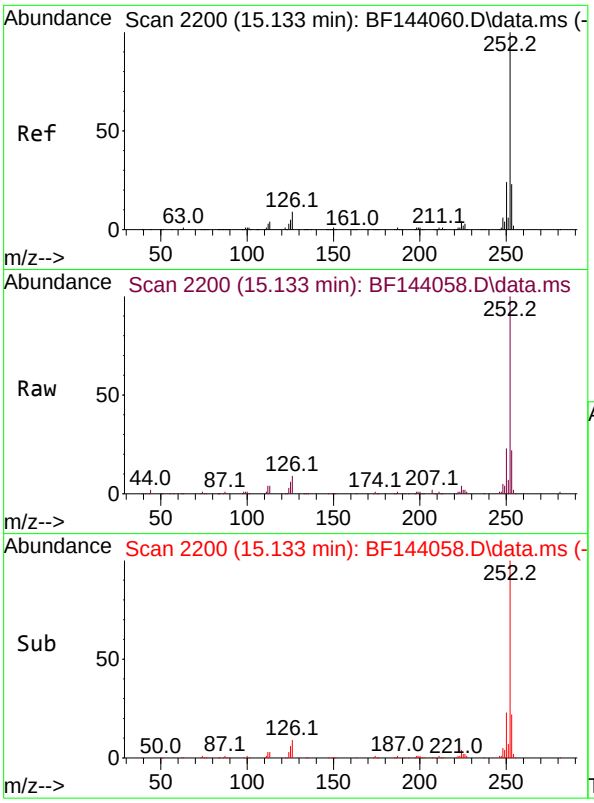


#88
Benzo(b)fluoranthene
Concen: 9.803 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



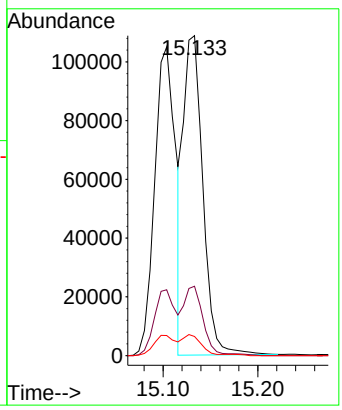


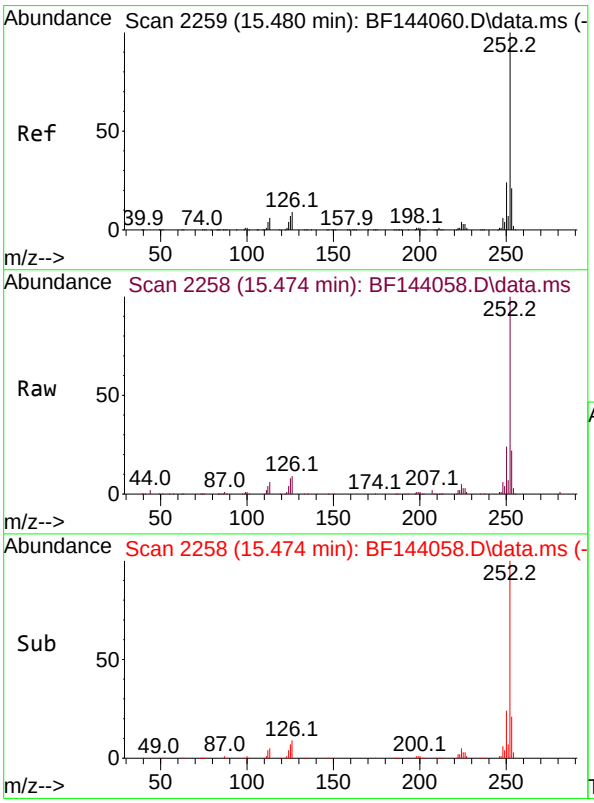
#89
Benzo(k)fluoranthene
Concen: 10.320 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

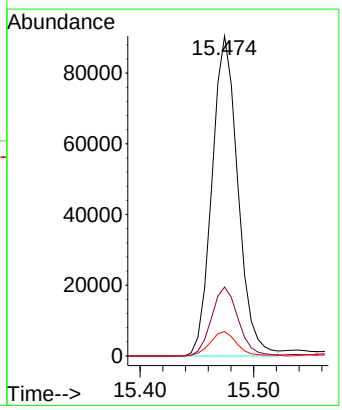


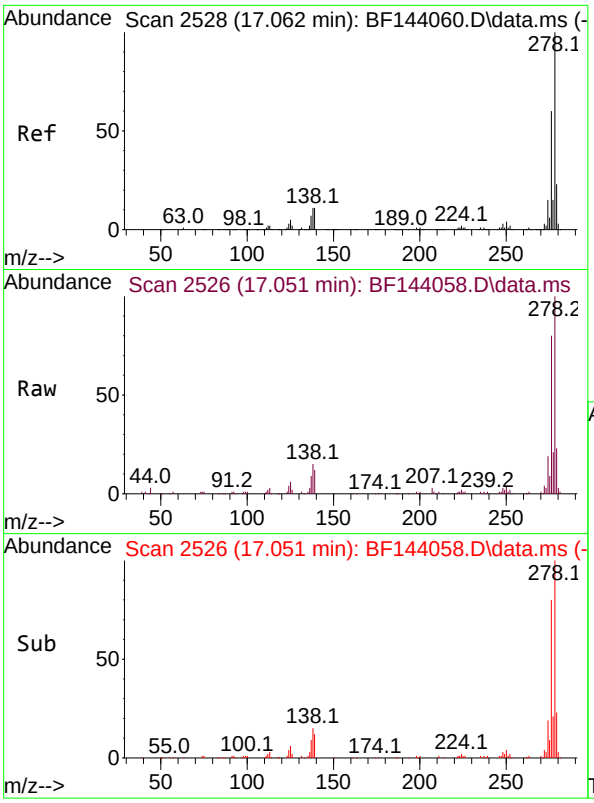


#90
Benzo(a)pyrene
Concen: 9.757 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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



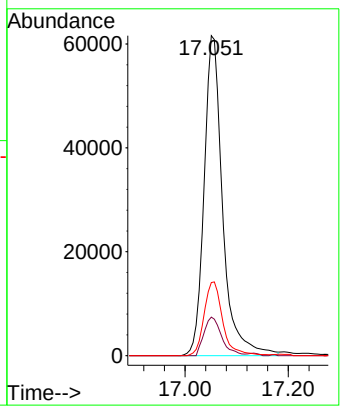


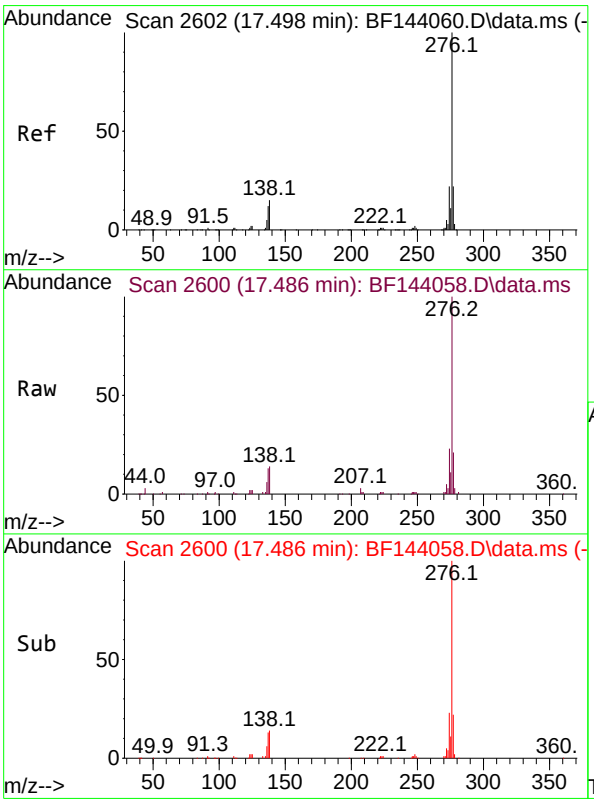
#91
Dibenzo(a,h)anthracene
Concen: 9.766 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

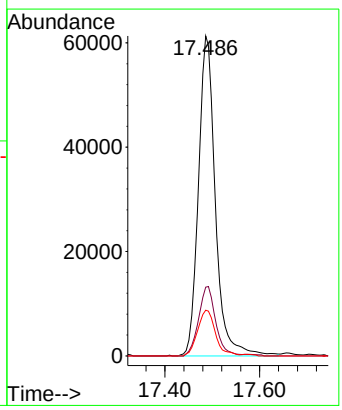




#92
Benzo(g,h,i)perylene
Concen: 9.614 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

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

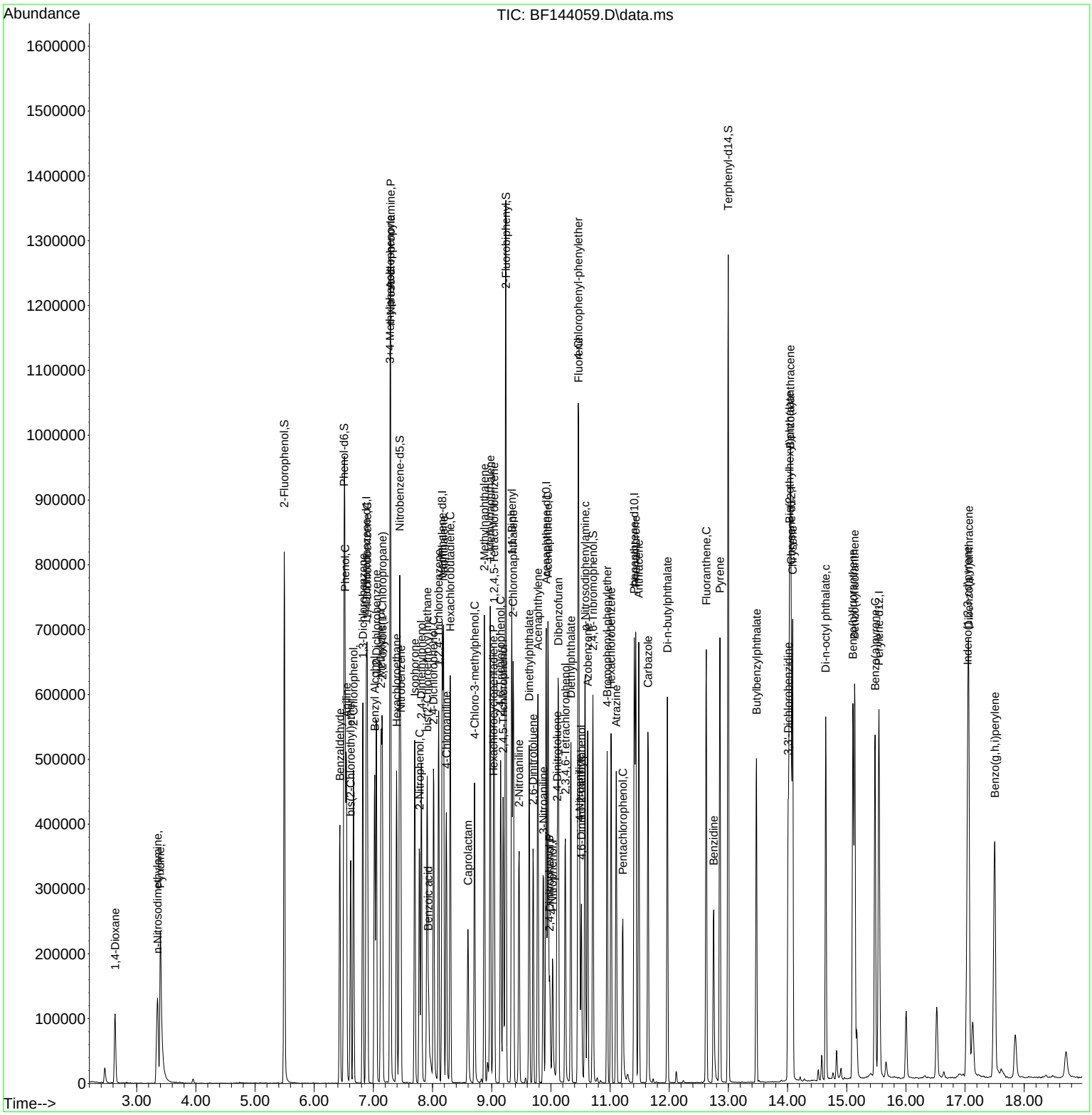
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	105424	20.655	ng		98
46) 1,1'-Biphenyl	9.339	154	313680	20.128	ng		99
47) 2-Chloronaphthalene	9.363	162	268452	20.561	ng		96
48) 2-Nitroaniline	9.463	65	80171	20.678	ng		97
49) Acenaphthylene	9.780	152	362218	20.575	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

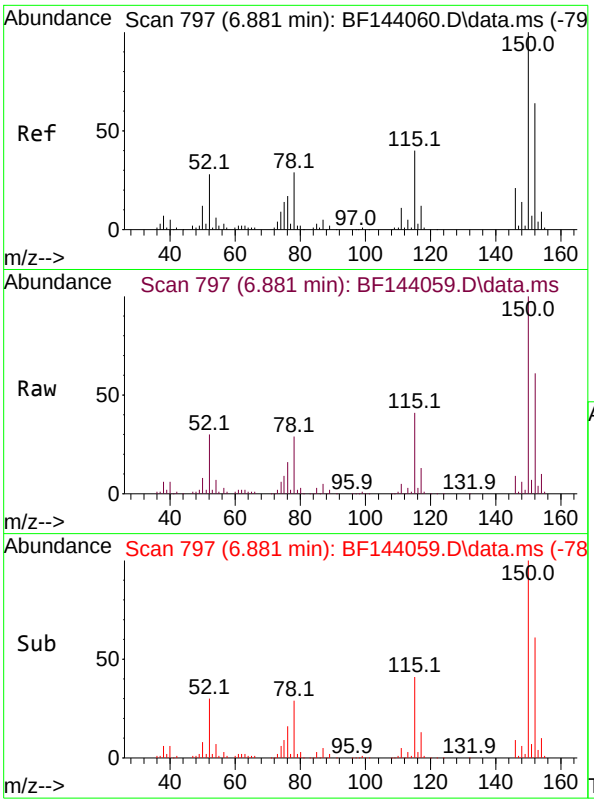
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



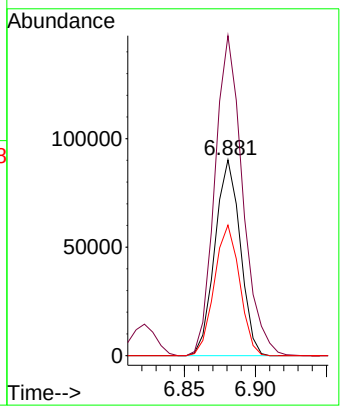


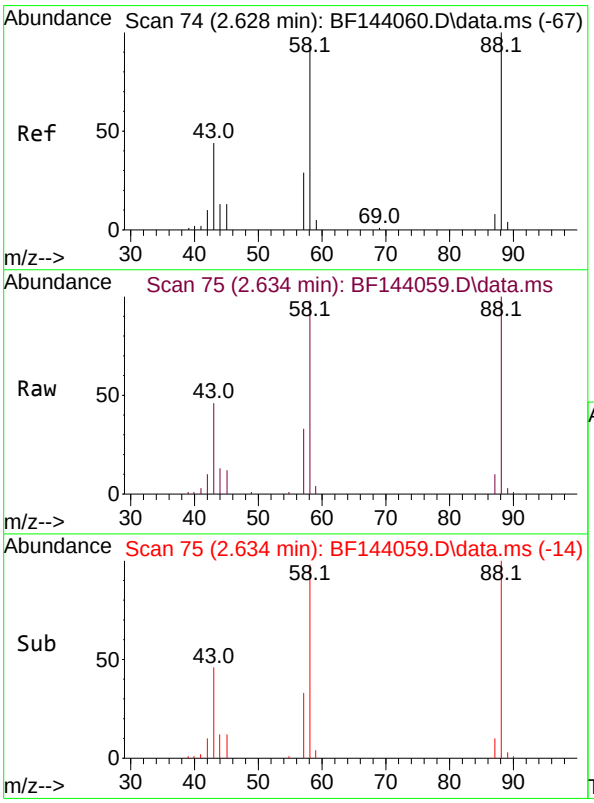
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

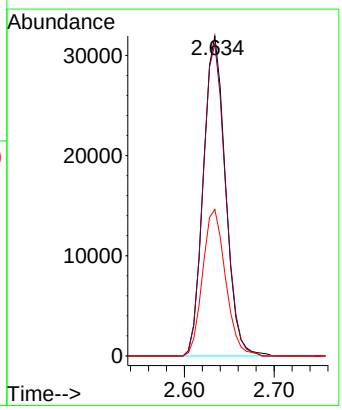


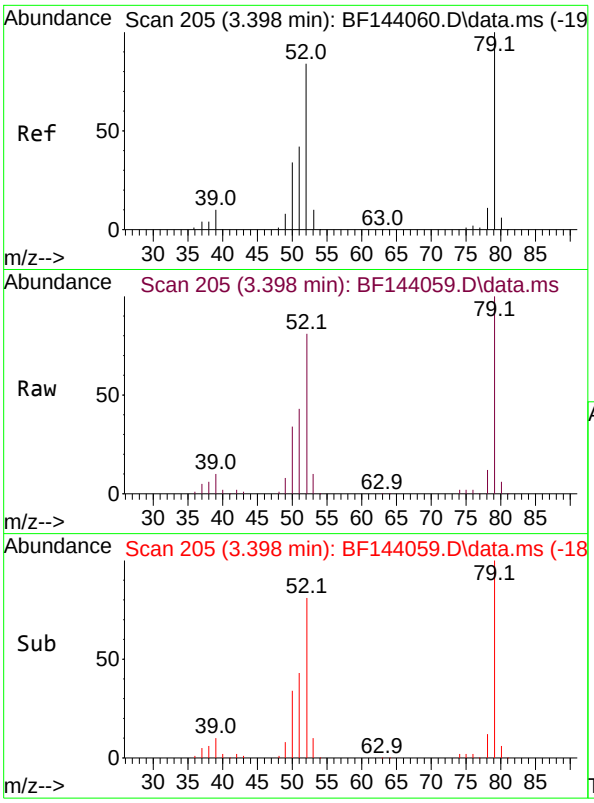


#2
1,4-Dioxane
Concen: 17.768 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



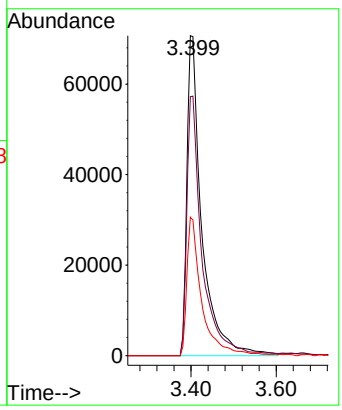


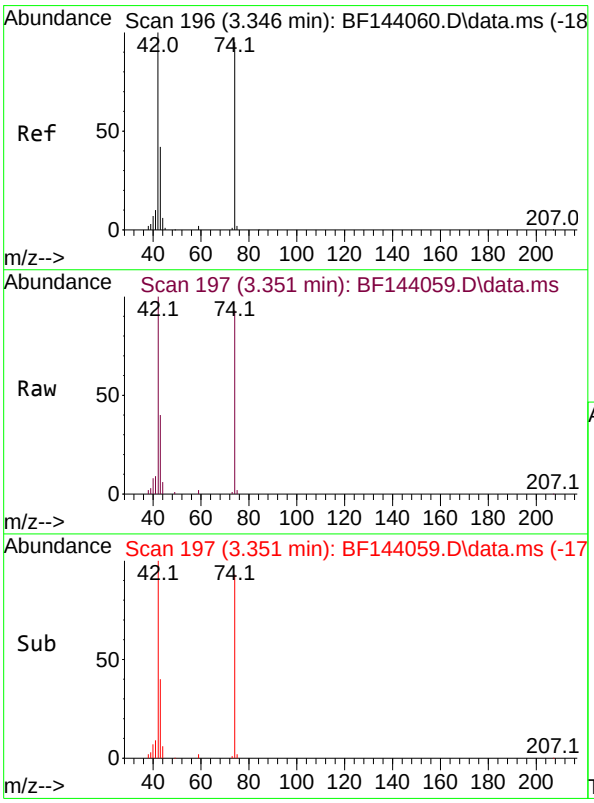
#3
Pyridine
Concen: 20.922 ng
RT: 3.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

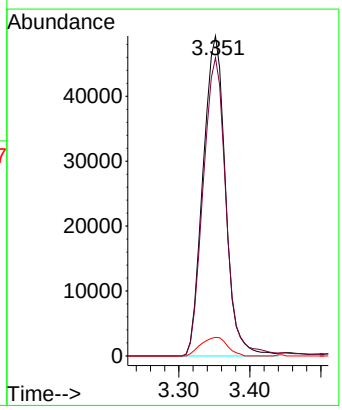


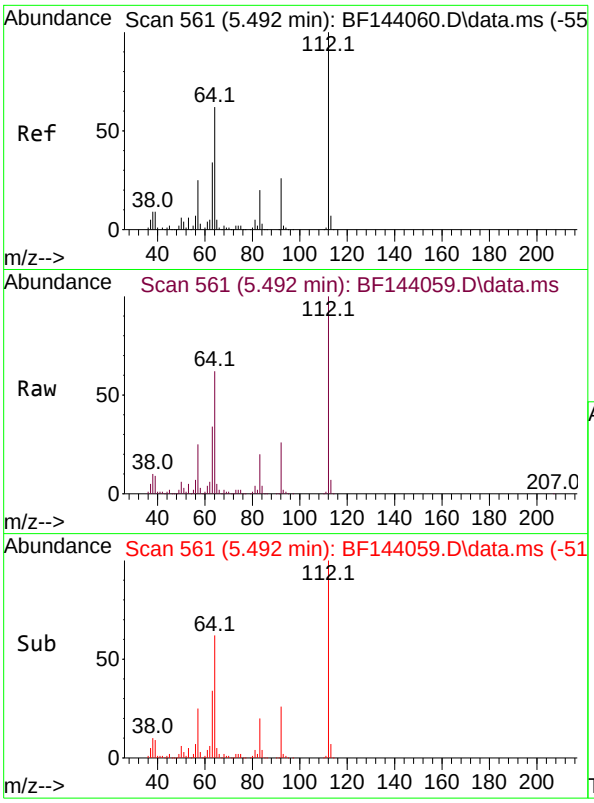


#4
n-Nitrosodimethylamine
Concen: 21.434 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



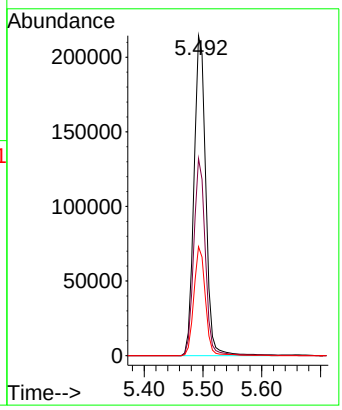


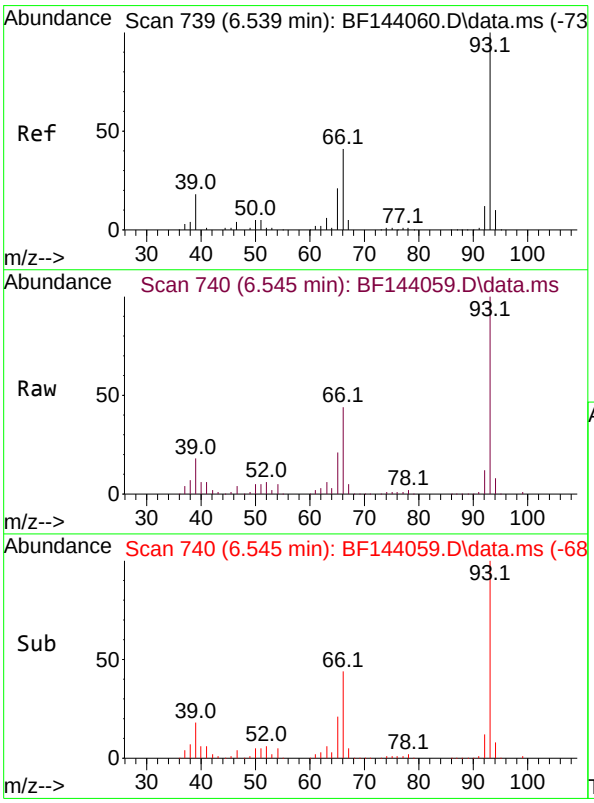
#5
2-Fluorophenol
Concen: 42.021 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

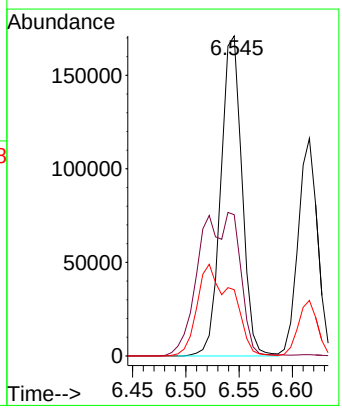


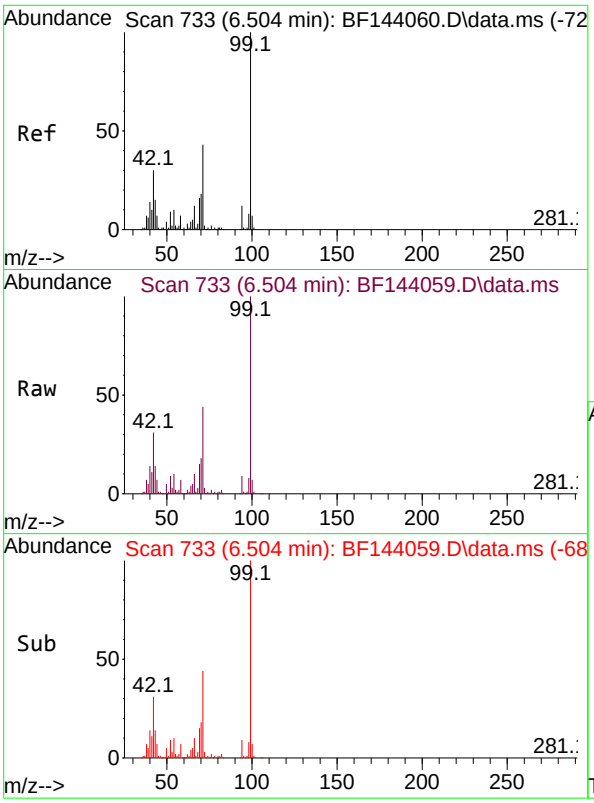


#6
Aniline
Concen: 21.092 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



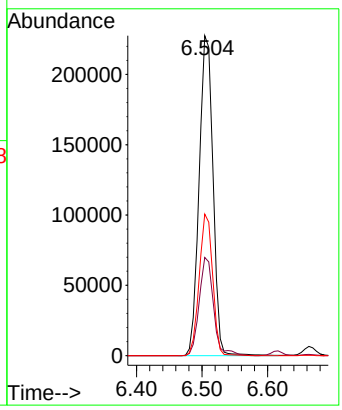


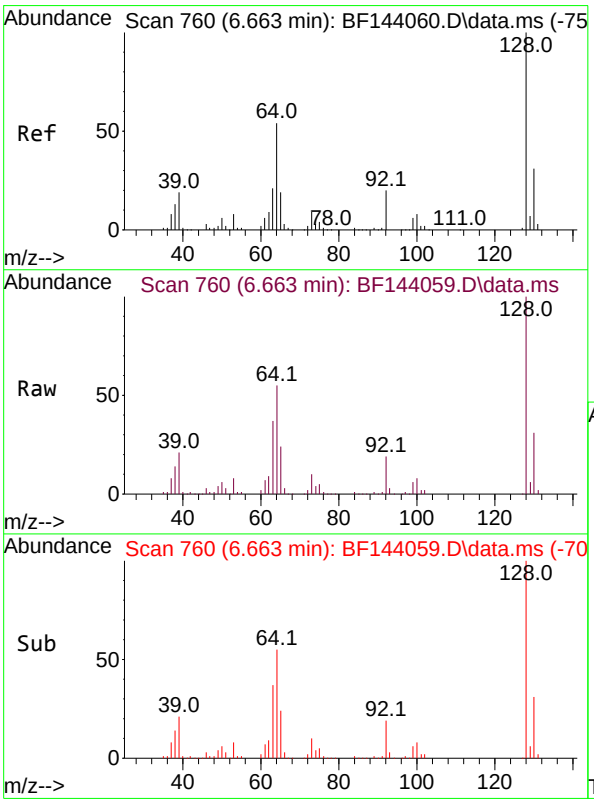
#7
Phenol-d6
Concen: 42.423 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

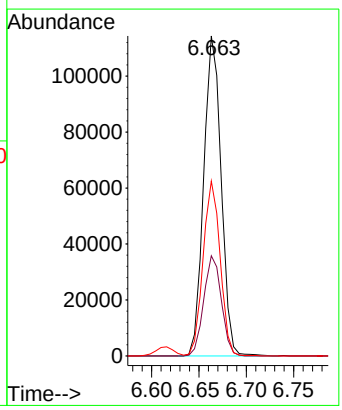


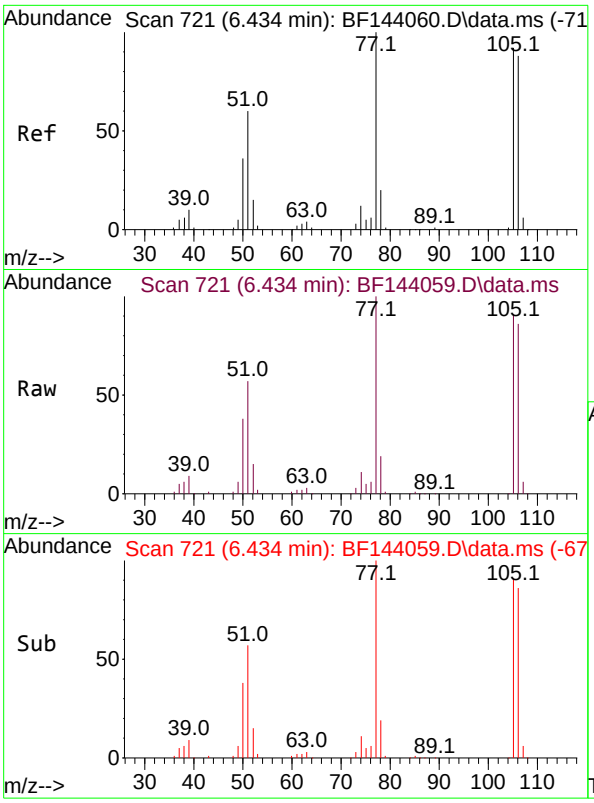


#8
2-Chlorophenol
Concen: 20.988 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



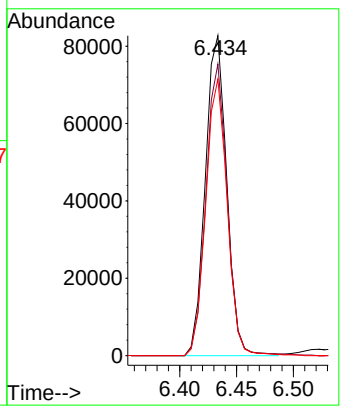


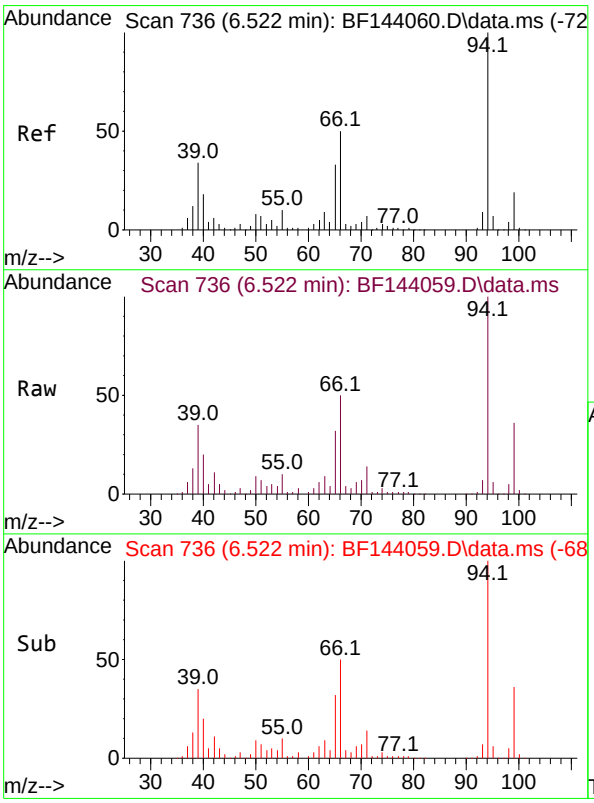
#9
Benzaldehyde
Concen: 17.802 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

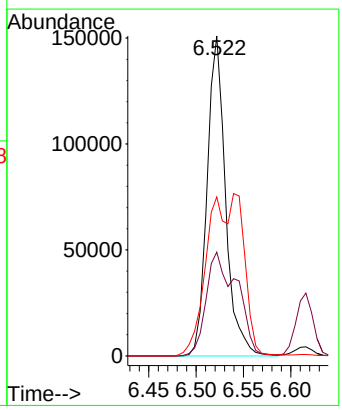


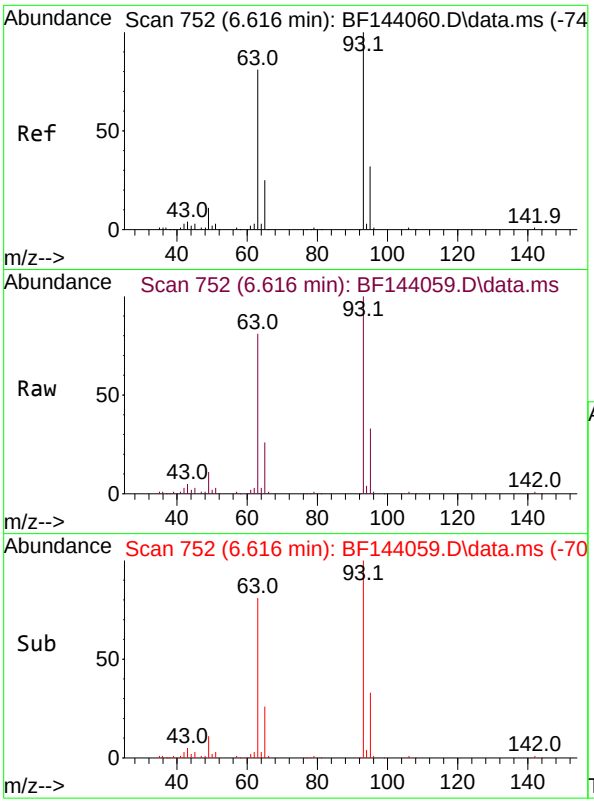


#10
Phenol
Concen: 21.136 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



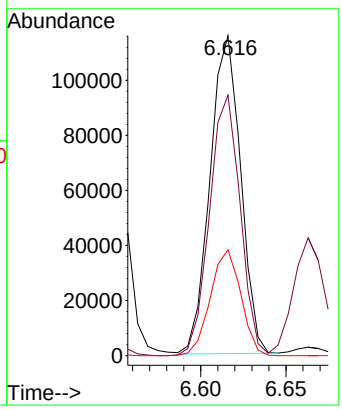


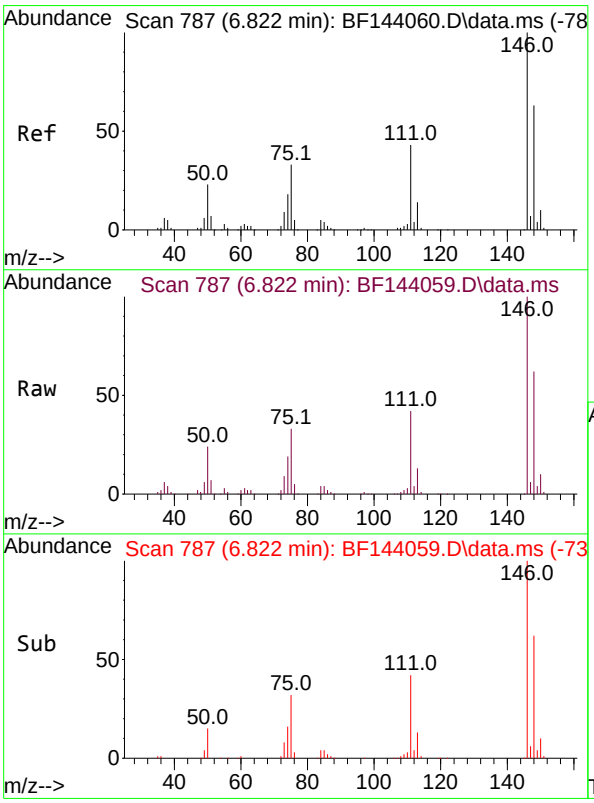
#11
bis(2-Chloroethyl)ether
Concen: 20.652 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

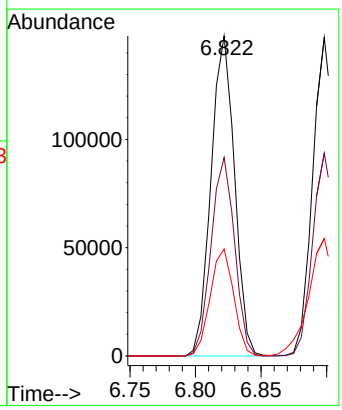


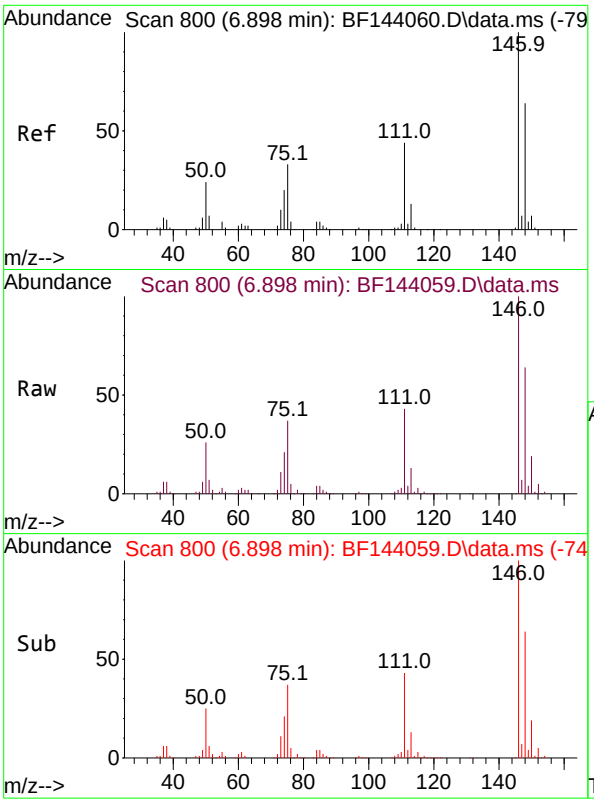


#12
1,3-Dichlorobenzene
Concen: 21.358 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



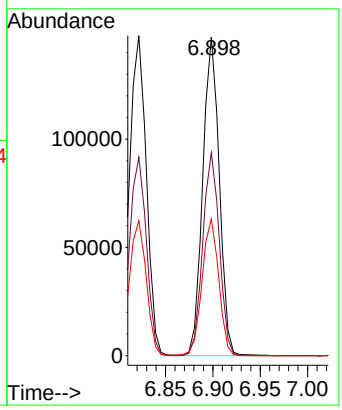


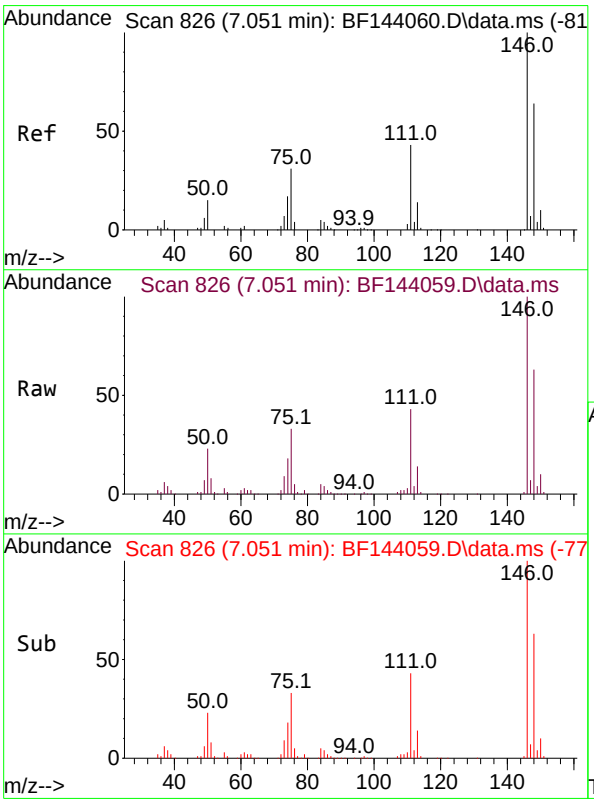
#13
1,4-Dichlorobenzene
Concen: 21.035 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

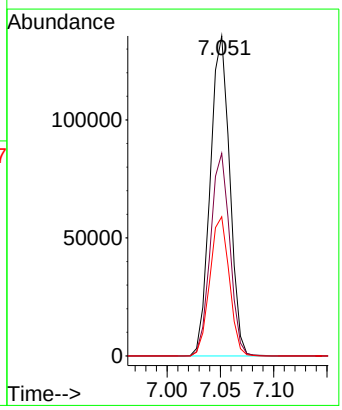


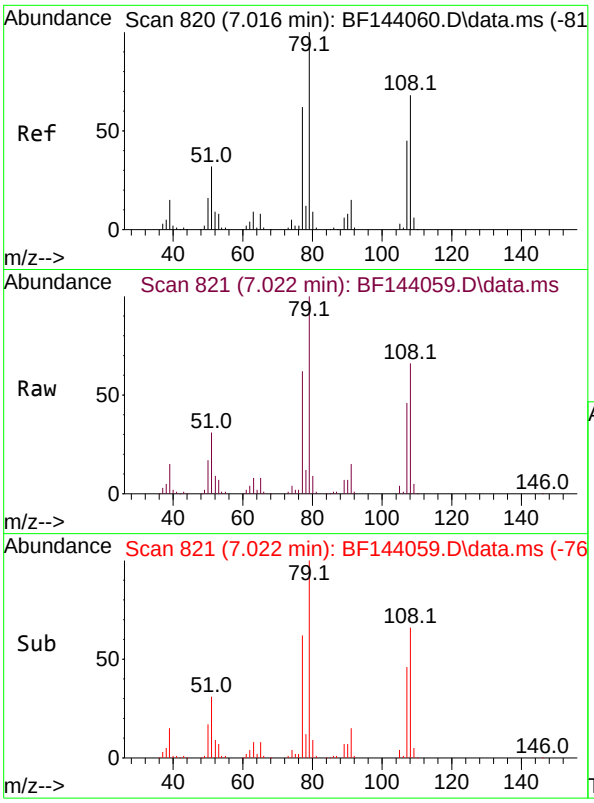


#14
1,2-Dichlorobenzene
Concen: 20.951 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



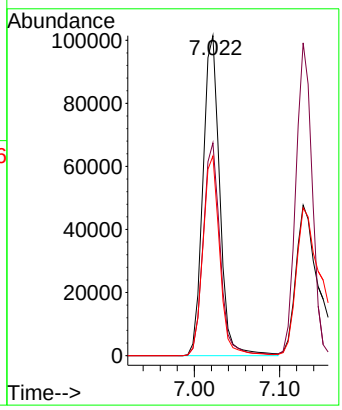


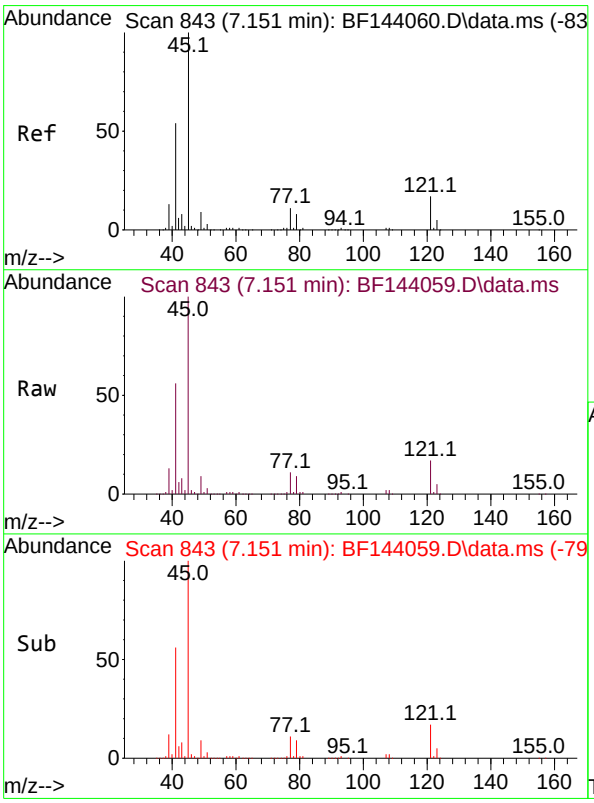
#15
Benzyl Alcohol
Concen: 21.748 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

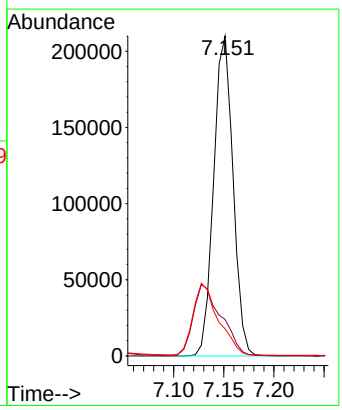


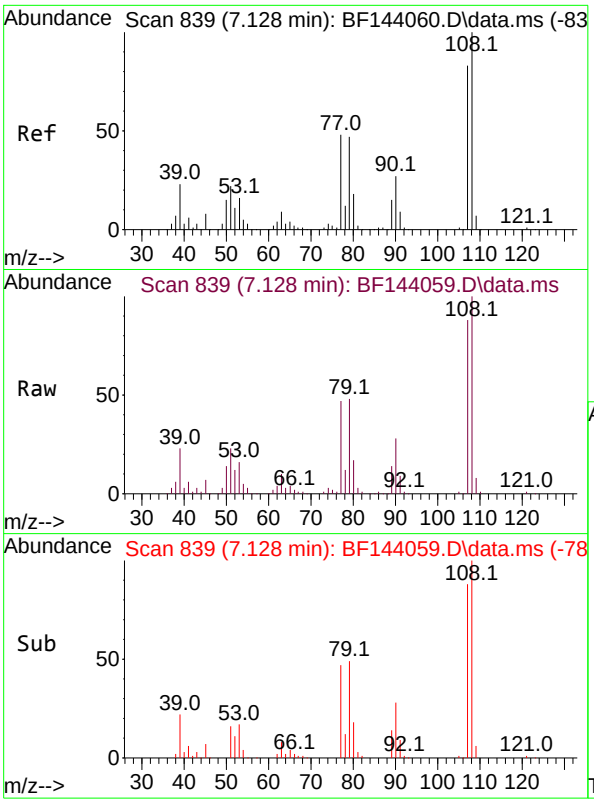


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.419 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



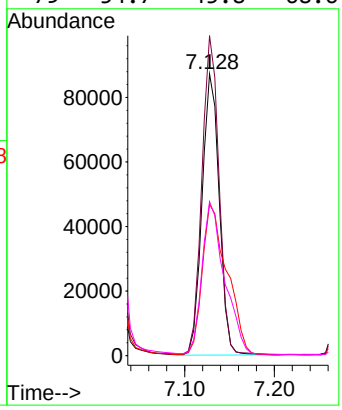


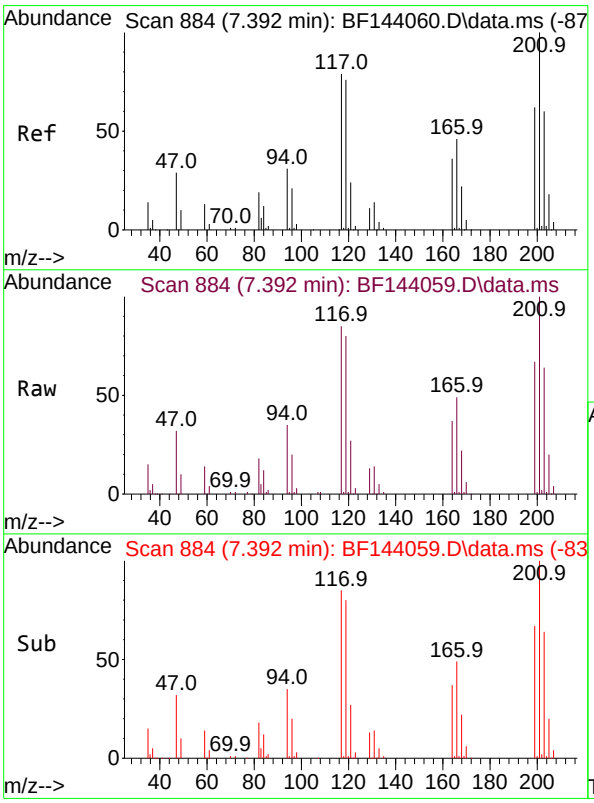
#17
2-Methylphenol
Concen: 21.550 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

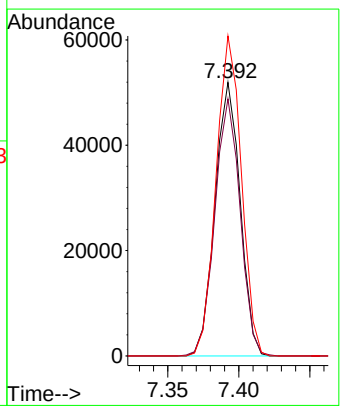


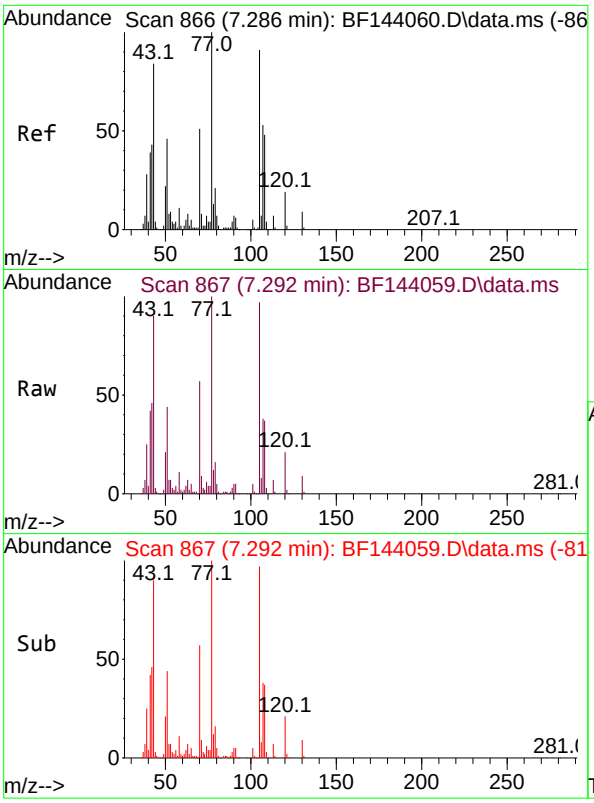


#18
Hexachloroethane
Concen: 21.020 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



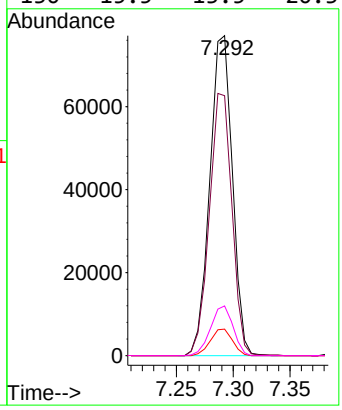


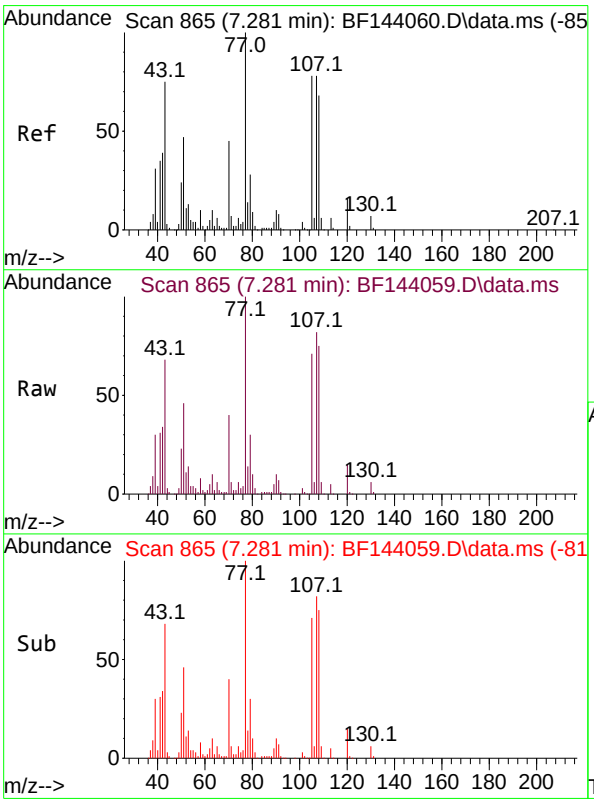
#19
n-Nitroso-di-n-propylamine
Concen: 21.019 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

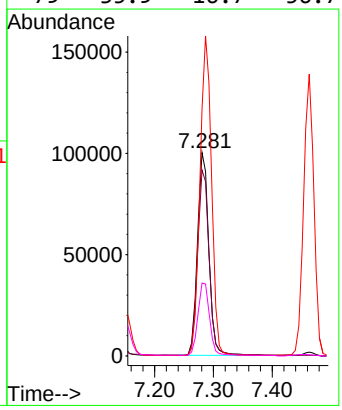


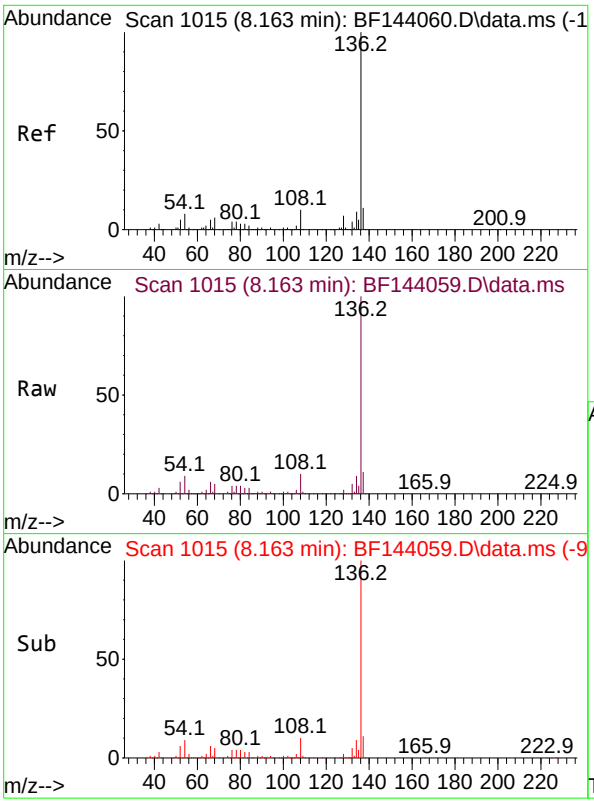


#20
3+4-Methylphenols
Concen: 21.033 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



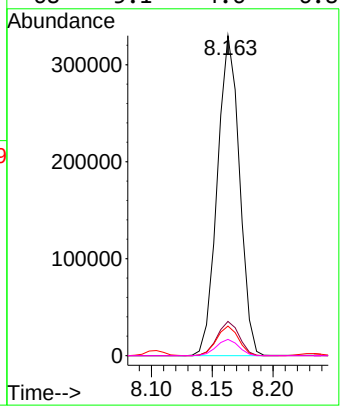


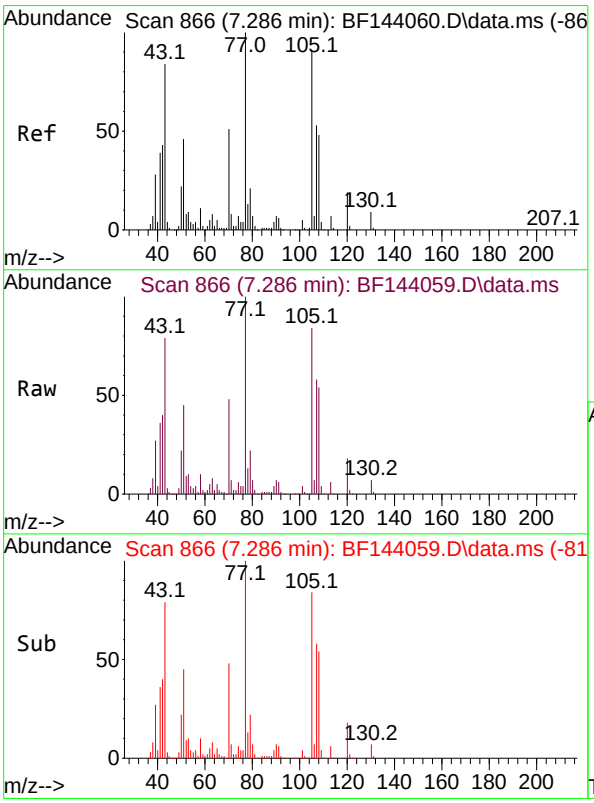
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

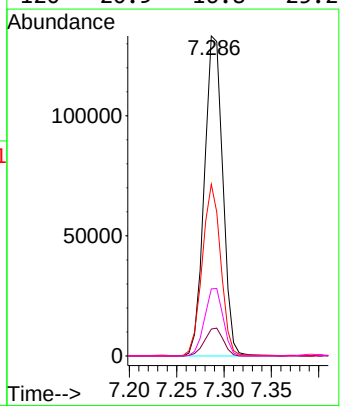


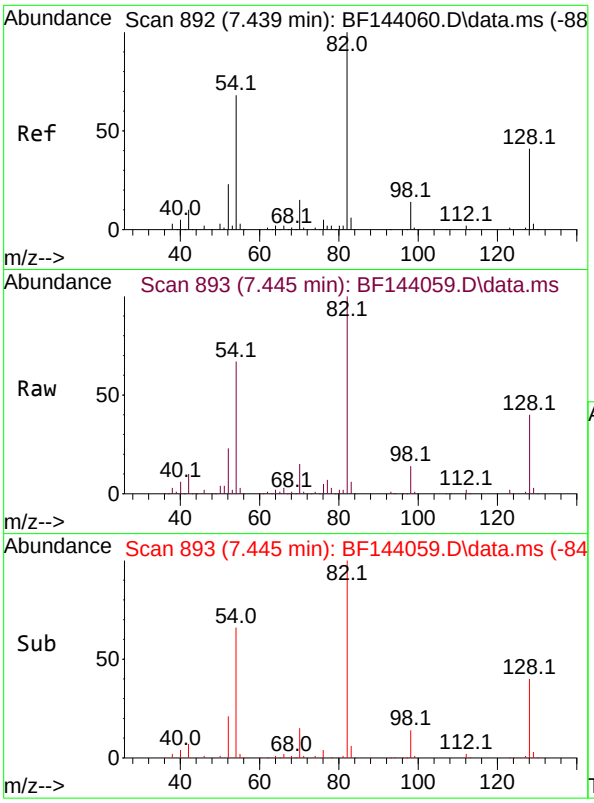


#22
Acetophenone
Concen: 20.050 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



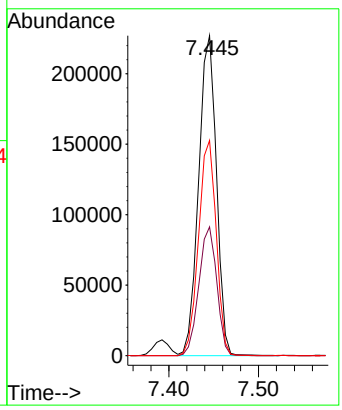


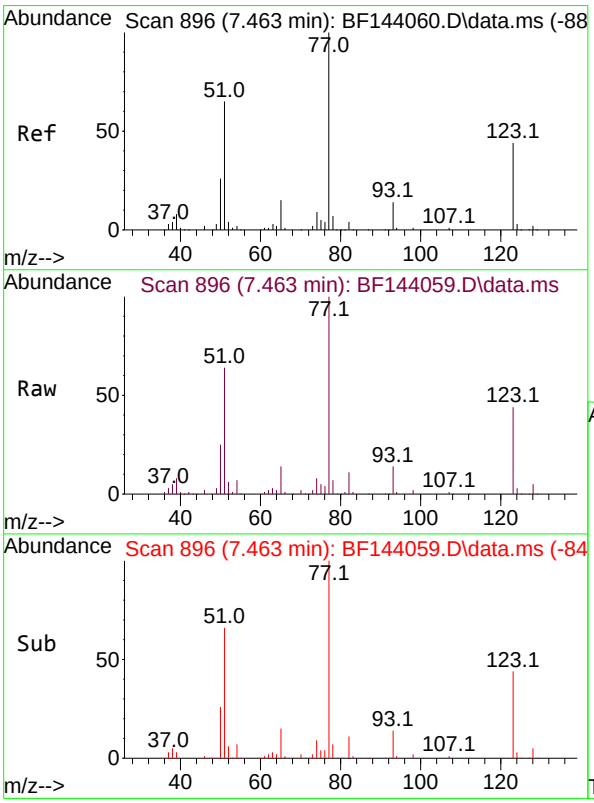
#23
Nitrobenzene-d5
Concen: 41.016 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

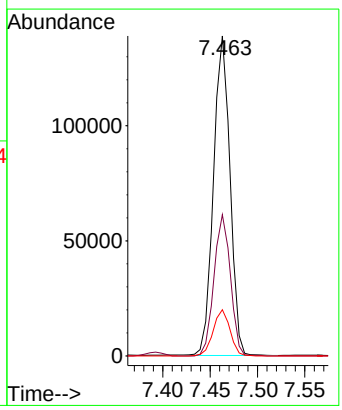


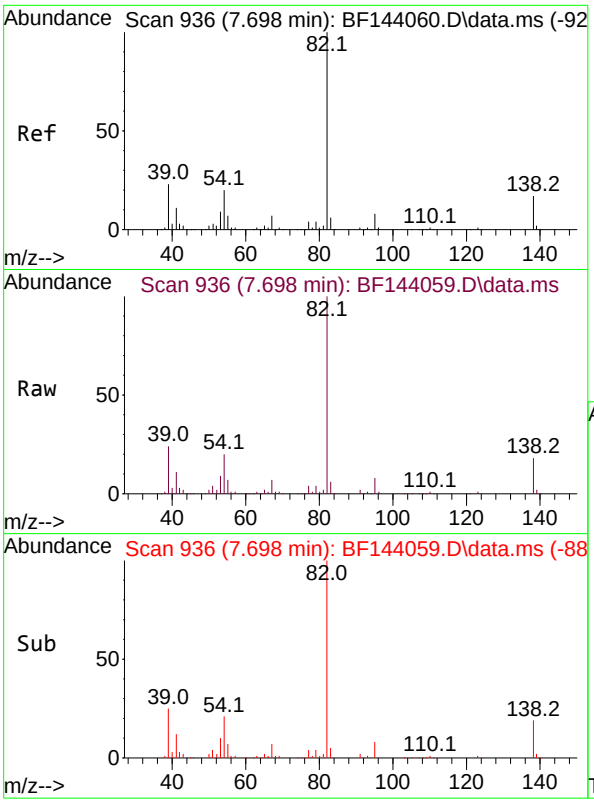


#24
Nitrobenzene
Concen: 20.907 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



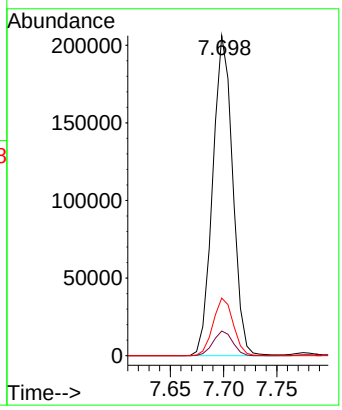


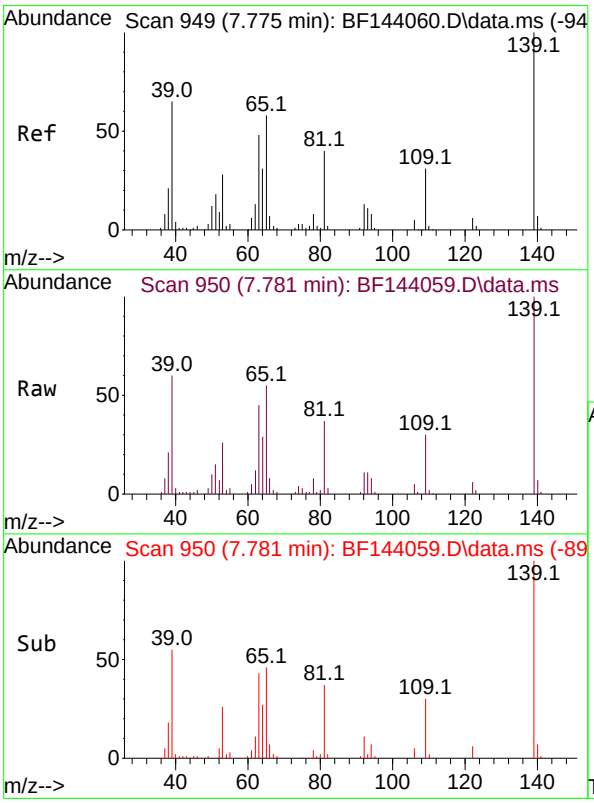
#25
Isophorone
Concen: 20.206 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

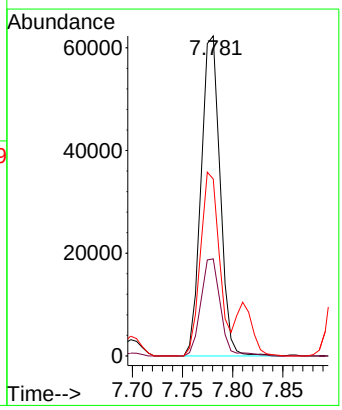


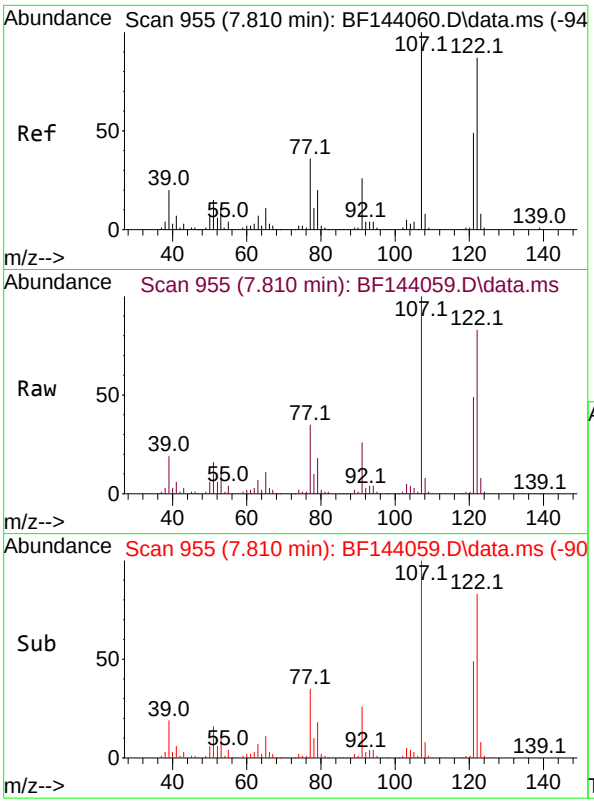


#26
2-Nitrophenol
Concen: 21.306 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



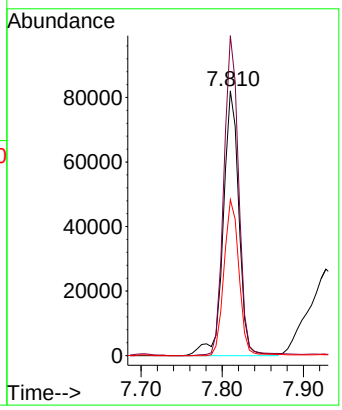


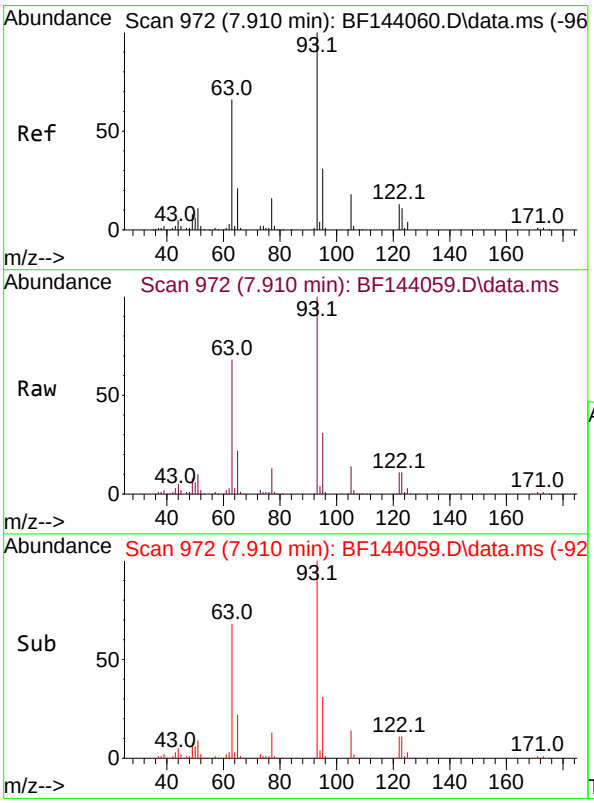
#27
2,4-Dimethylphenol
Concen: 19.202 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

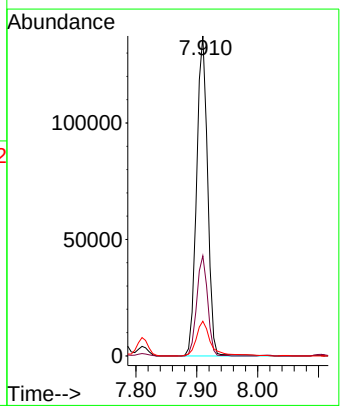


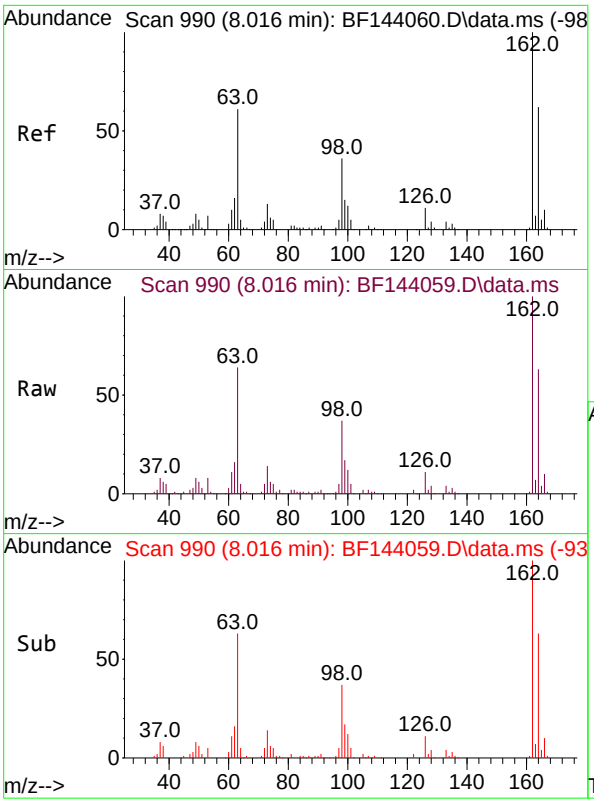


#28
bis(2-Chloroethoxy)methane
Concen: 20.729 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



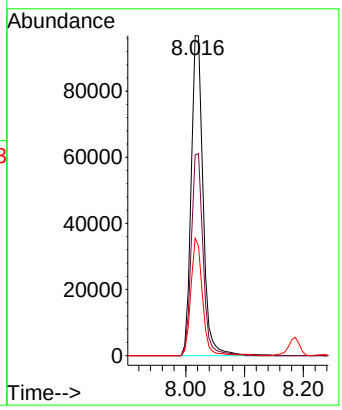


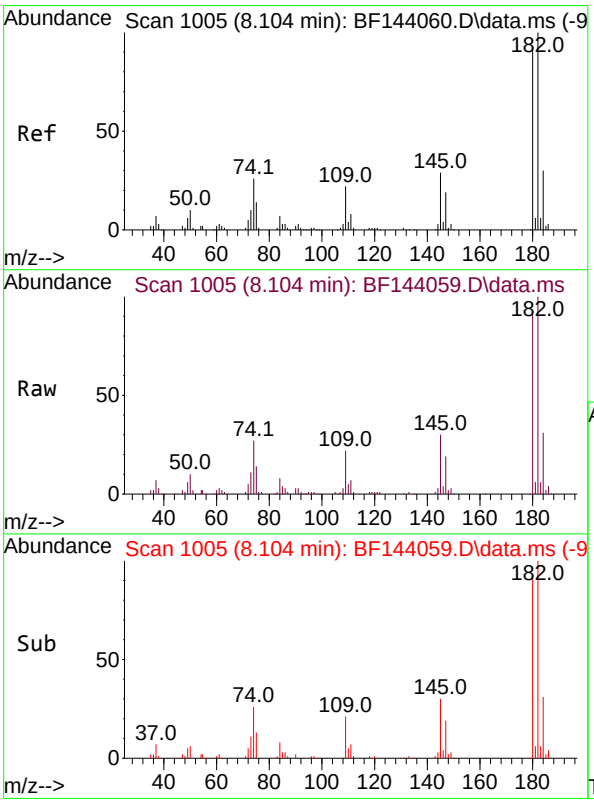
#29
2,4-Dichlorophenol
Concen: 20.487 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

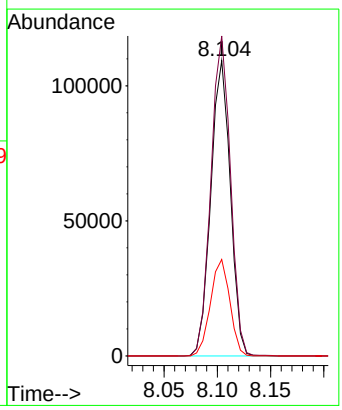


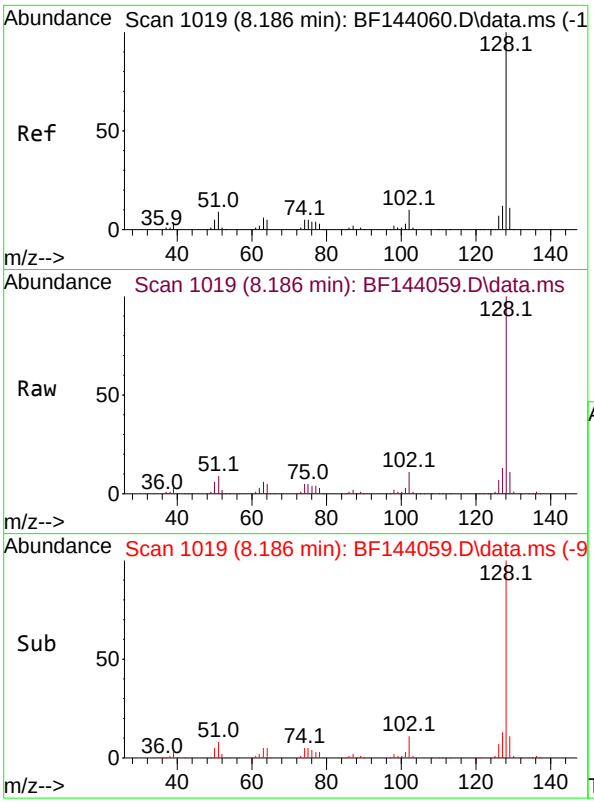


#30
1,2,4-Trichlorobenzene
Concen: 20.442 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



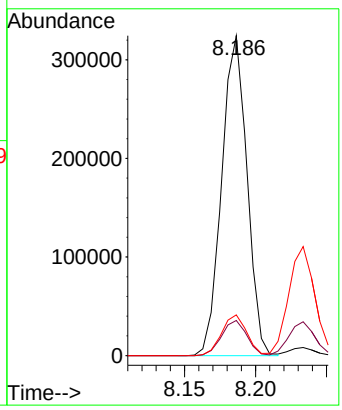


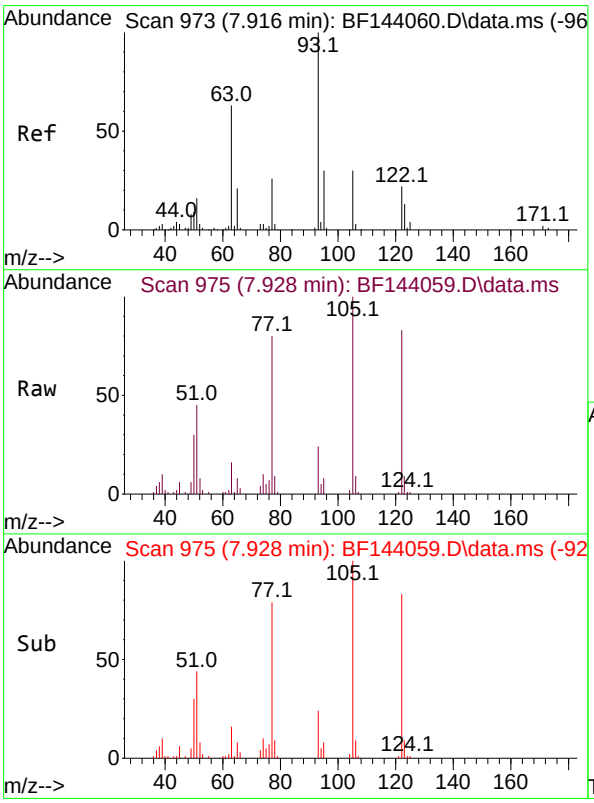
#31
Naphthalene
Concen: 20.378 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

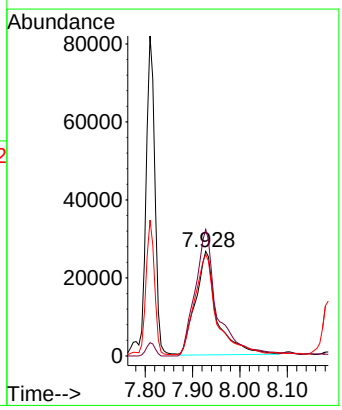


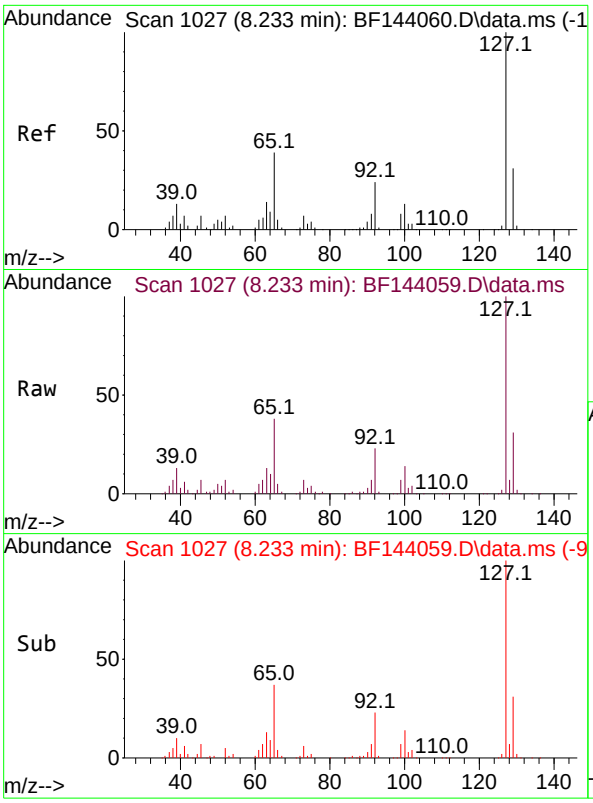


#32
Benzoic acid
Concen: 23.086 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.012 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



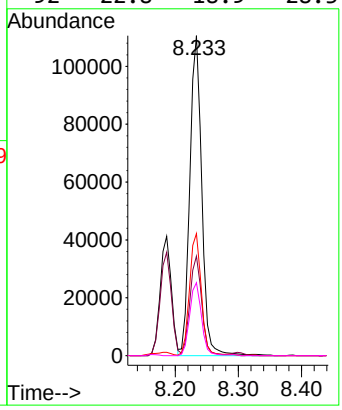


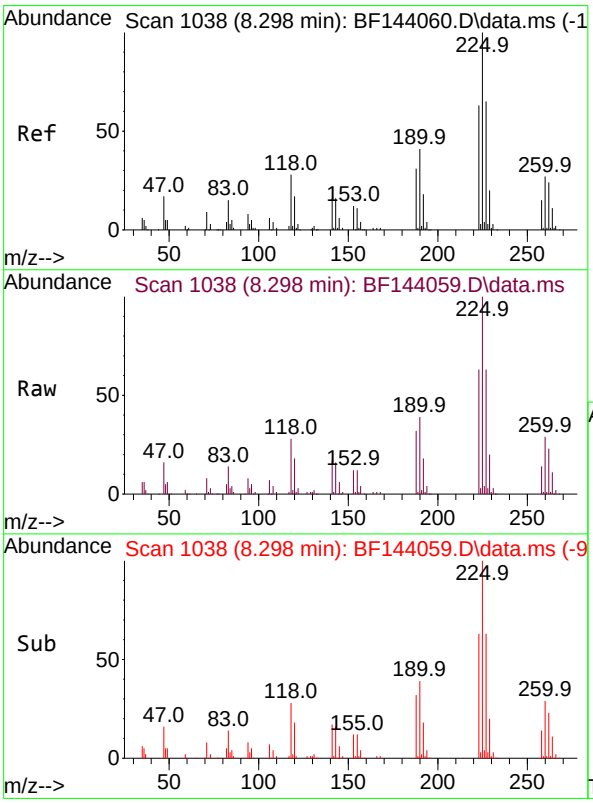
#33
4-Chloroaniline
Concen: 21.228 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

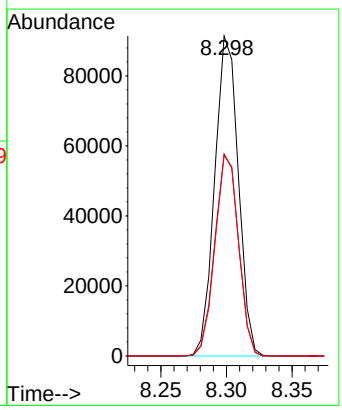


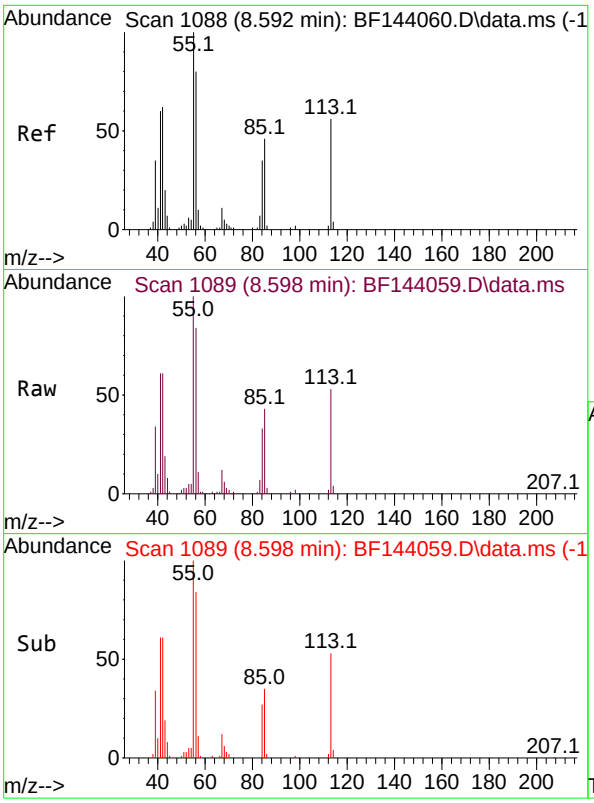


#34
Hexachlorobutadiene
Concen: 20.546 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



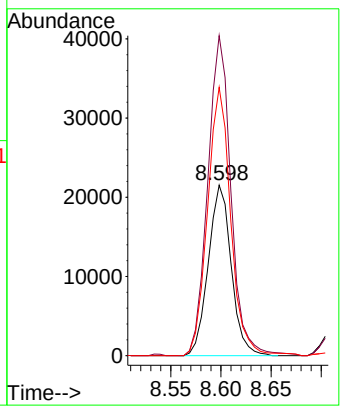


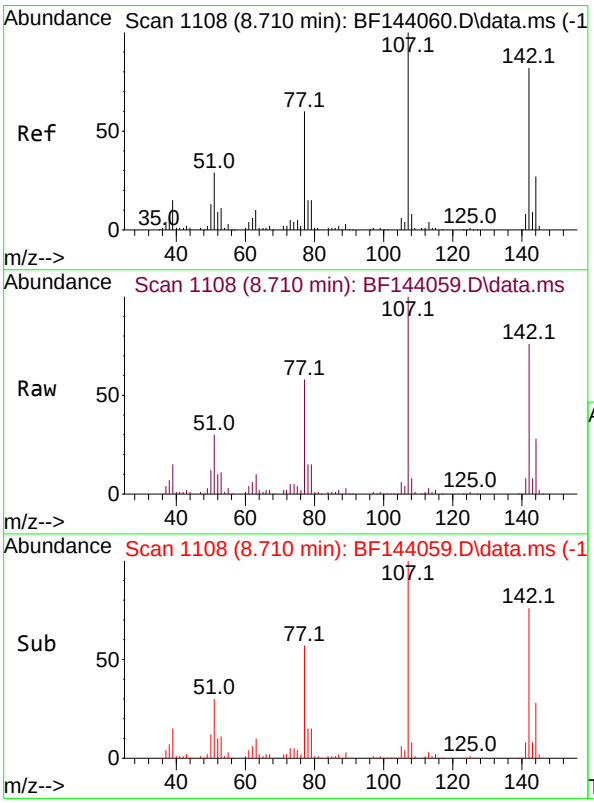
#35
Caprolactam
Concen: 20.591 ng
RT: 8.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

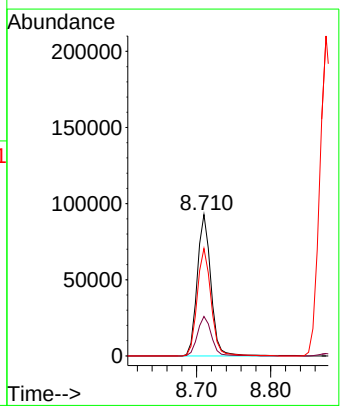


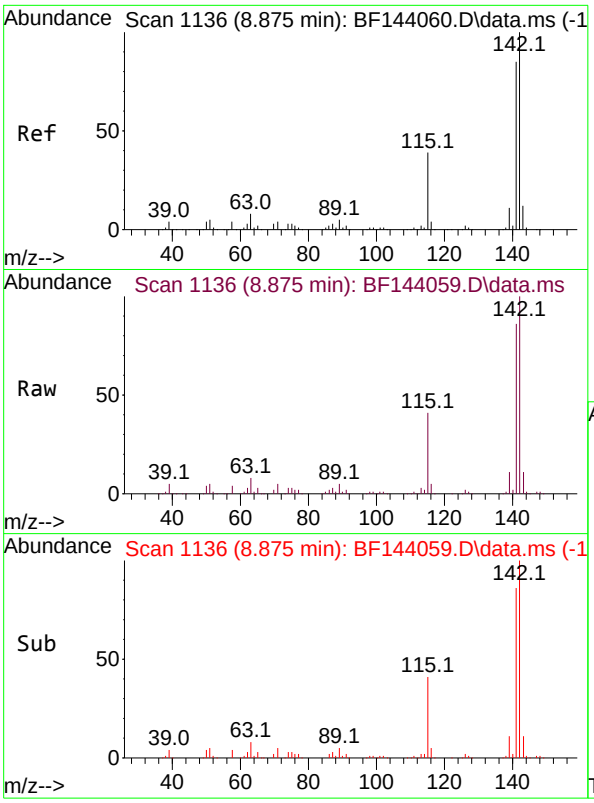


#36
4-Chloro-3-methylphenol
Concen: 20.357 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



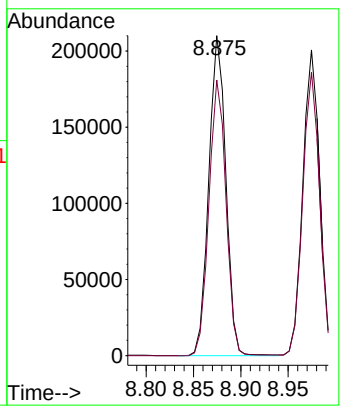


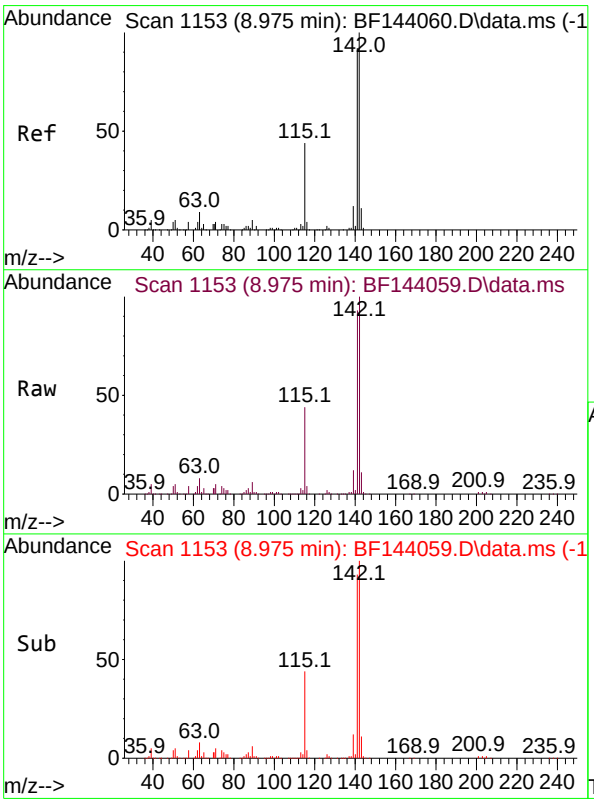
#37
2-Methylnaphthalene
Concen: 20.280 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 263628

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.6	101.4

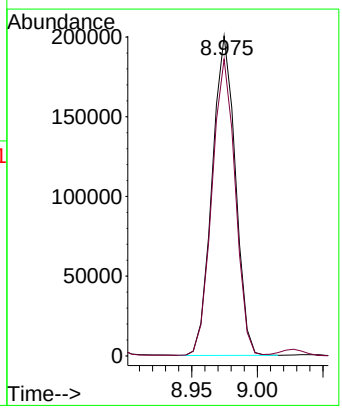


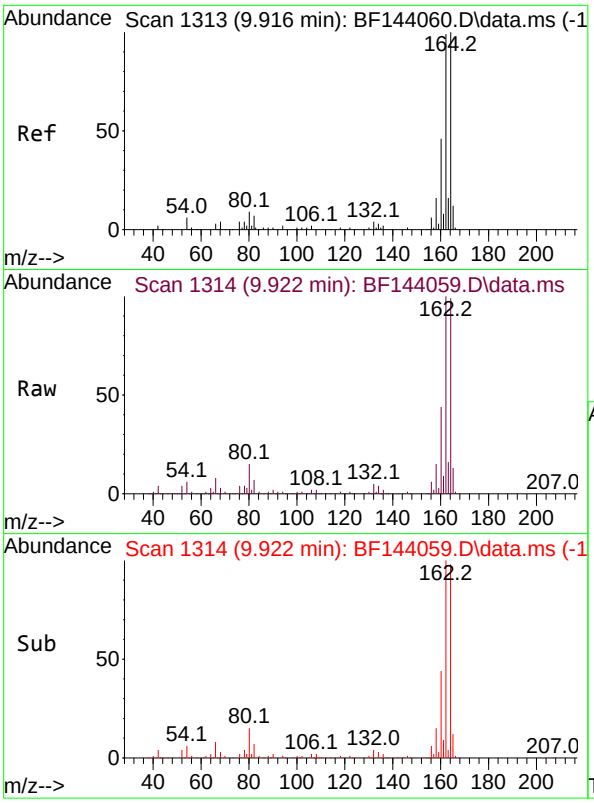


#38
1-Methylnaphthalene
Concen: 20.035 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:142 Resp: 246748

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.4	110.2



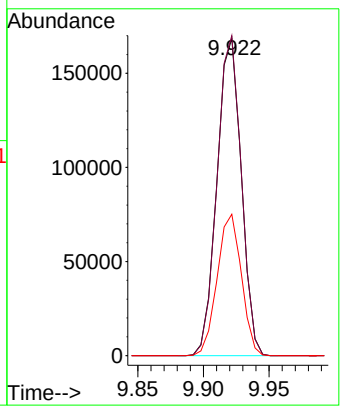


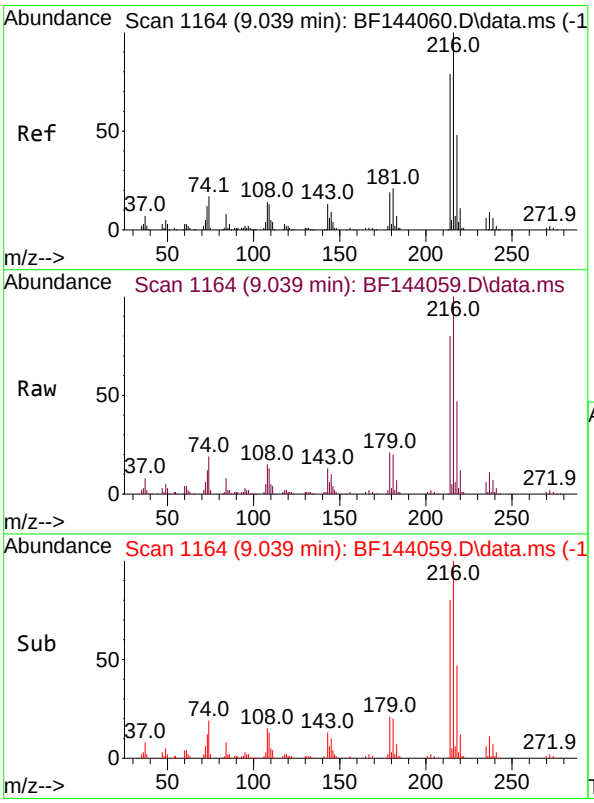
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

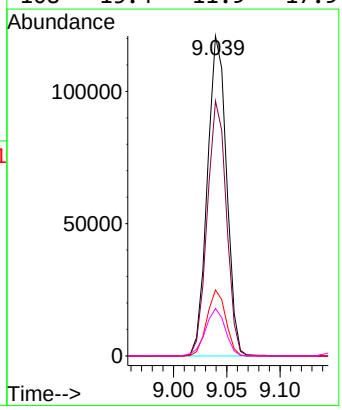


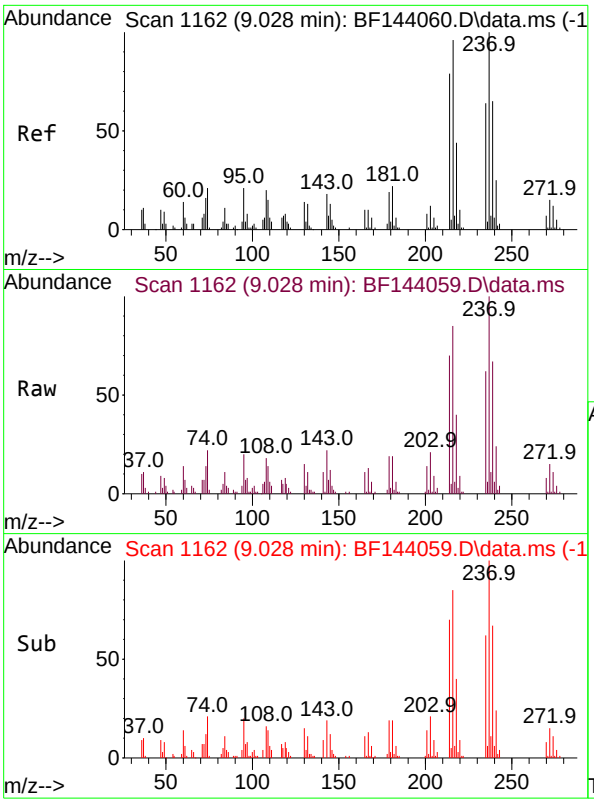


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.160 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



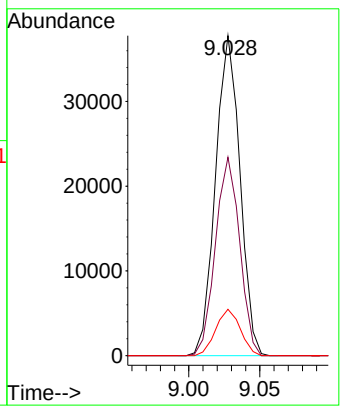


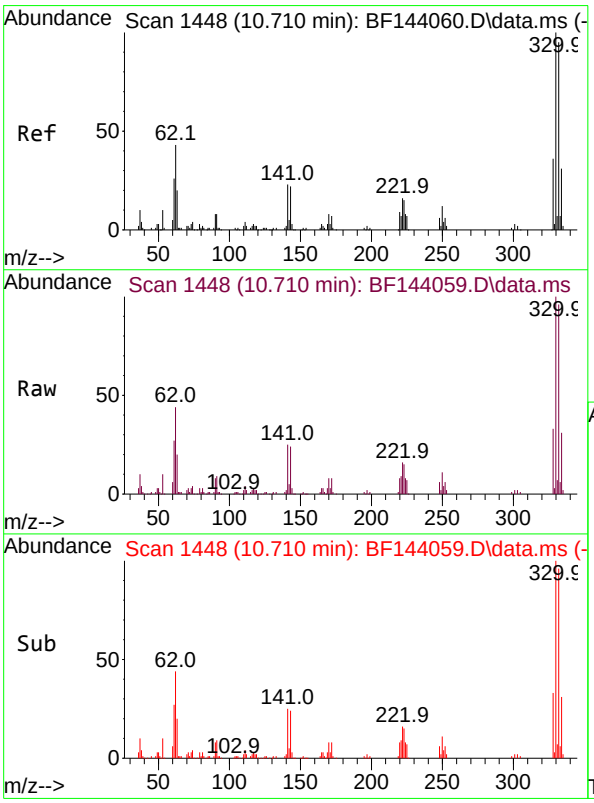
#41
Hexachlorocyclopentadiene
Concen: 19.591 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

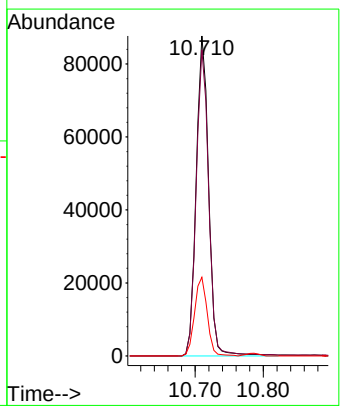


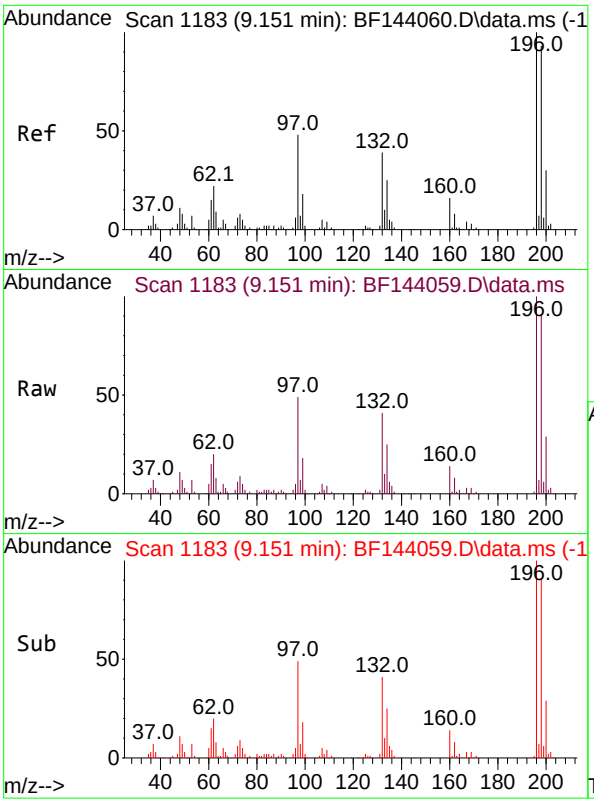


#42
2,4,6-Tribromophenol
Concen: 40.132 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



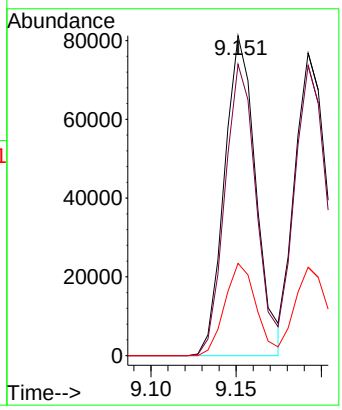


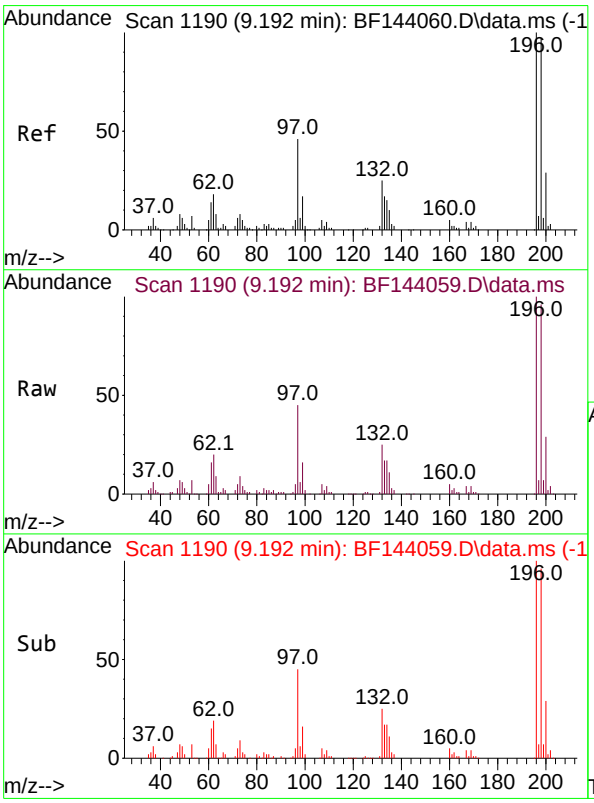
#43
2,4,6-Trichlorophenol
Concen: 21.484 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

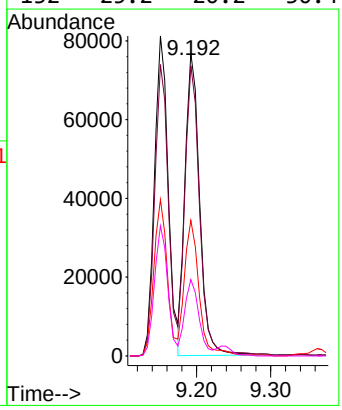


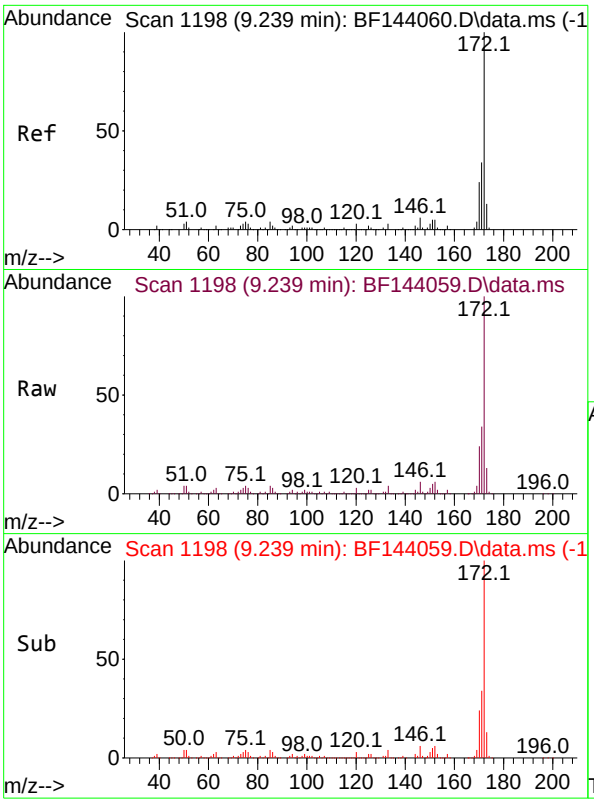


#44
2,4,5-Trichlorophenol
Concen: 20.655 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



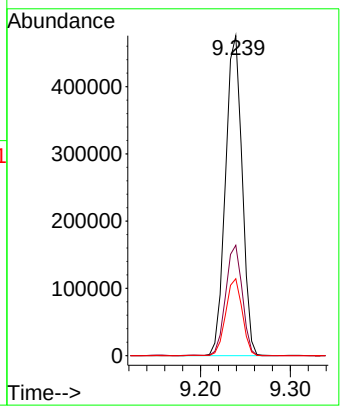


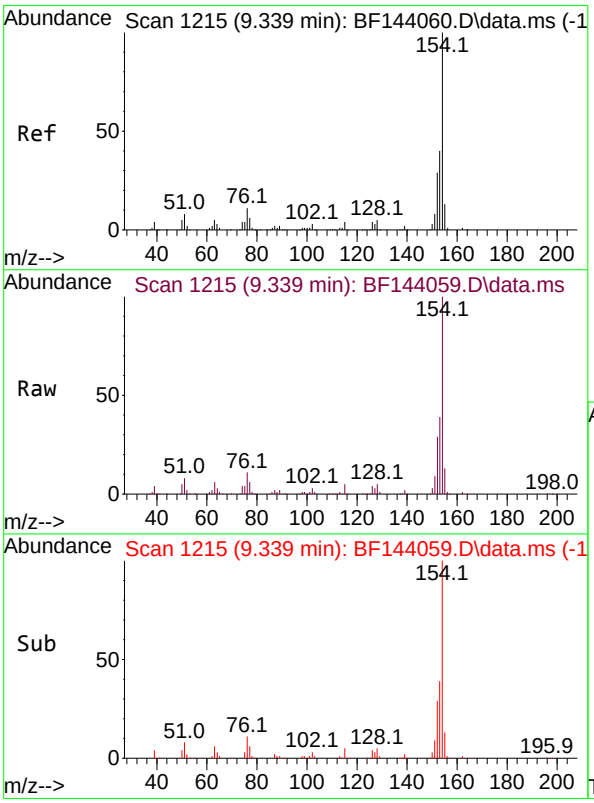
#45
2-Fluorobiphenyl
Concen: 39.724 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

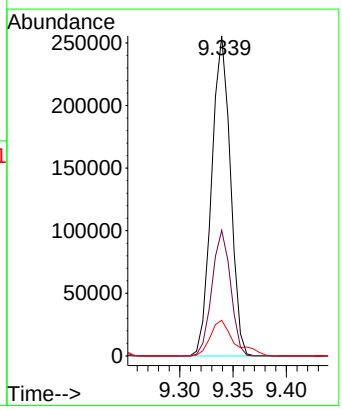


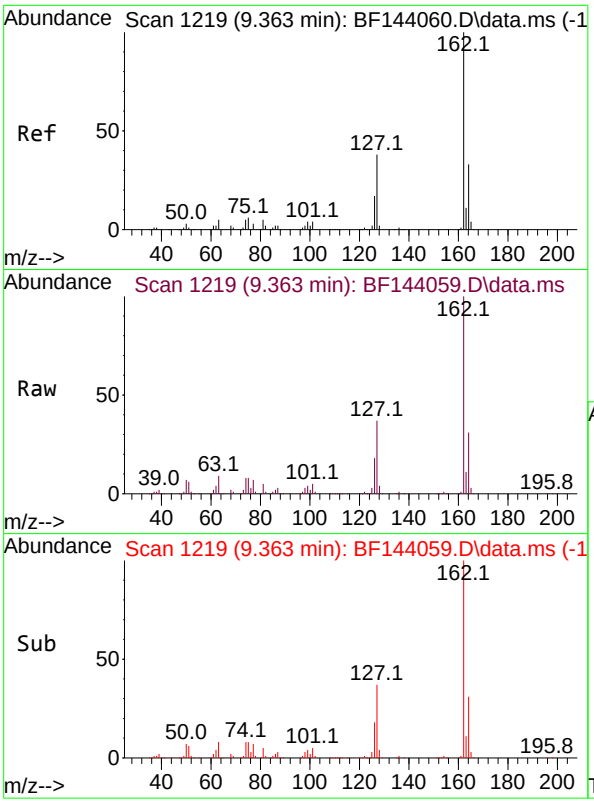


#46
1,1'-Biphenyl
Concen: 20.128 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



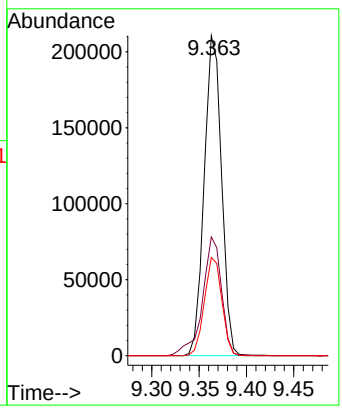


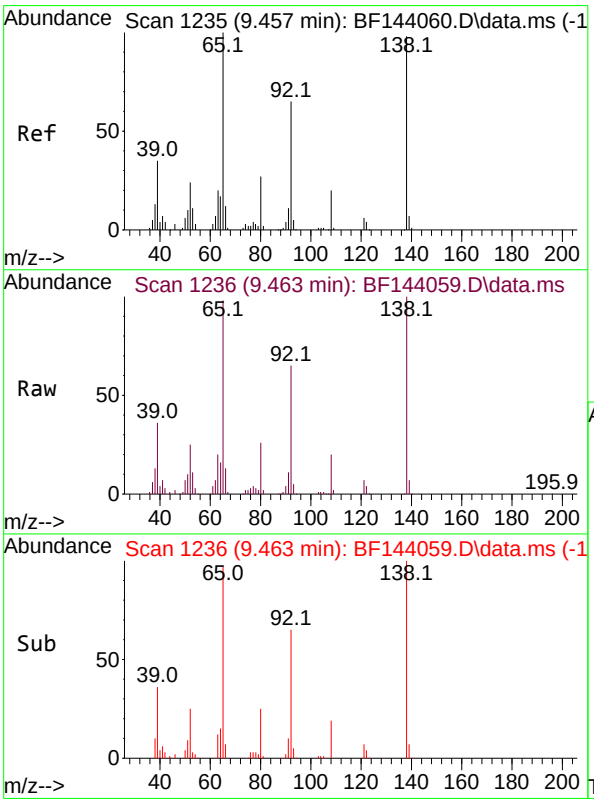
#47
2-Chloronaphthalene
Concen: 20.561 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

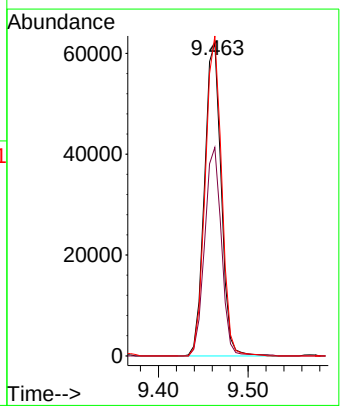


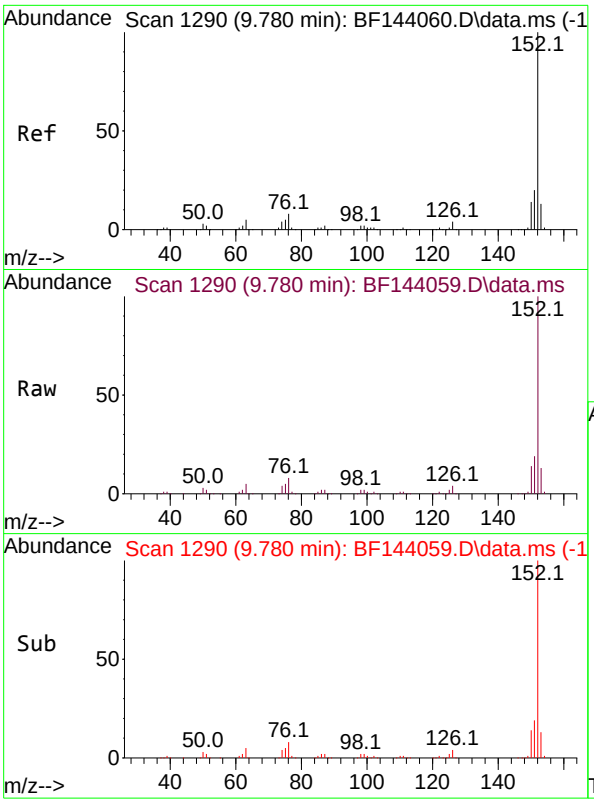


#48
2-Nitroaniline
Concen: 20.678 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



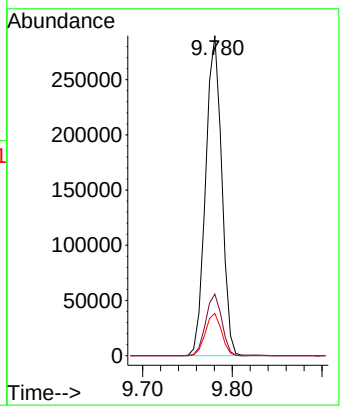


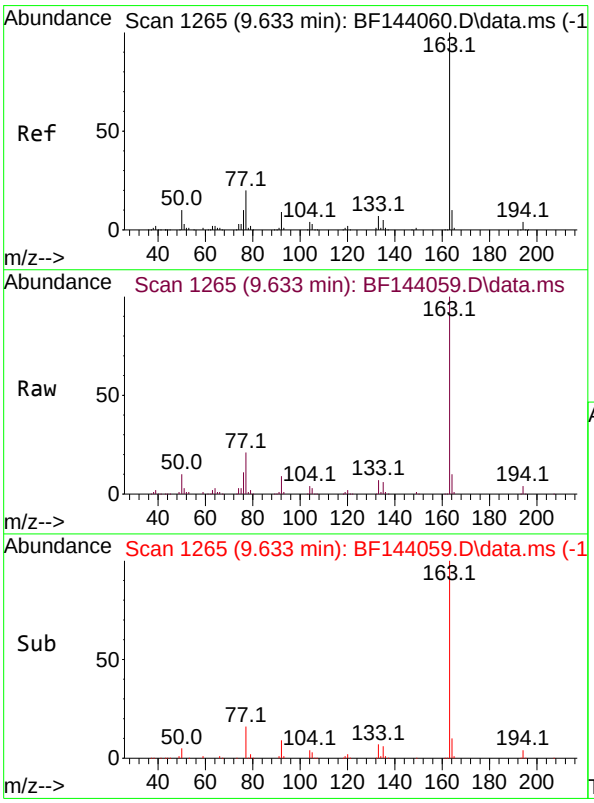
#49
Acenaphthylene
Concen: 20.575 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

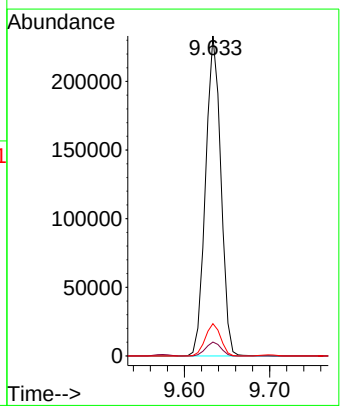


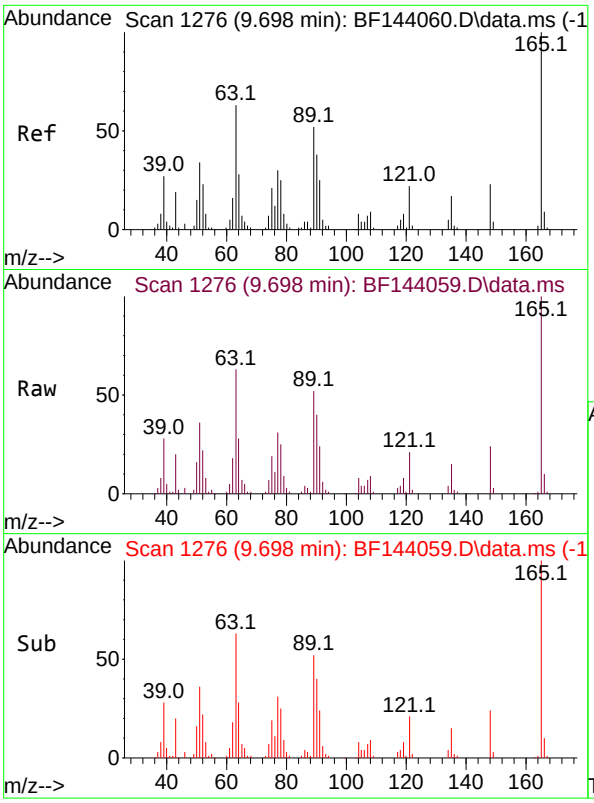


#50
Dimethylphthalate
Concen: 20.324 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



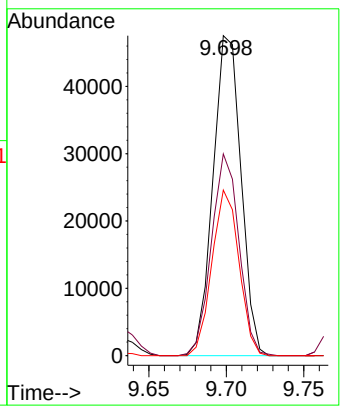


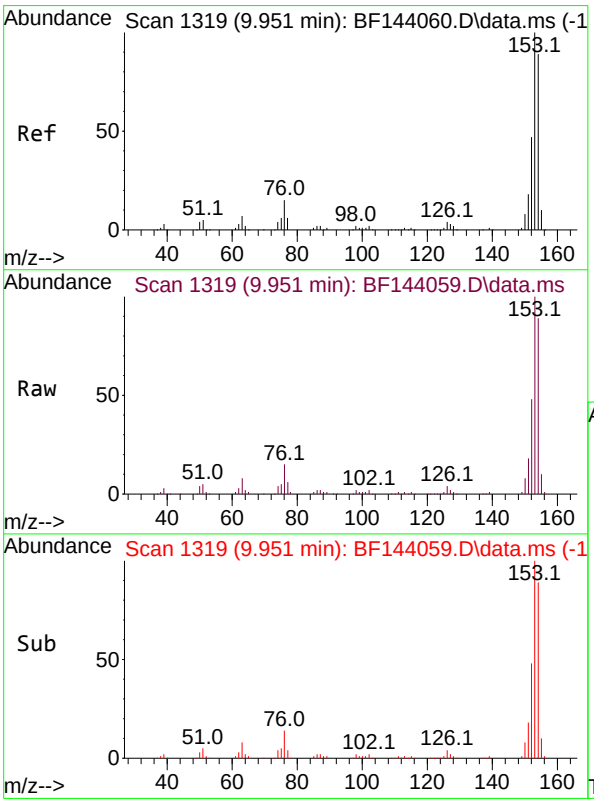
#51
2,6-Dinitrotoluene
Concen: 21.235 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

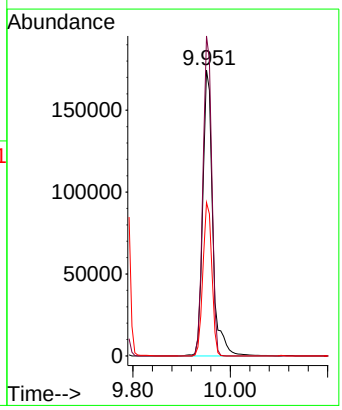


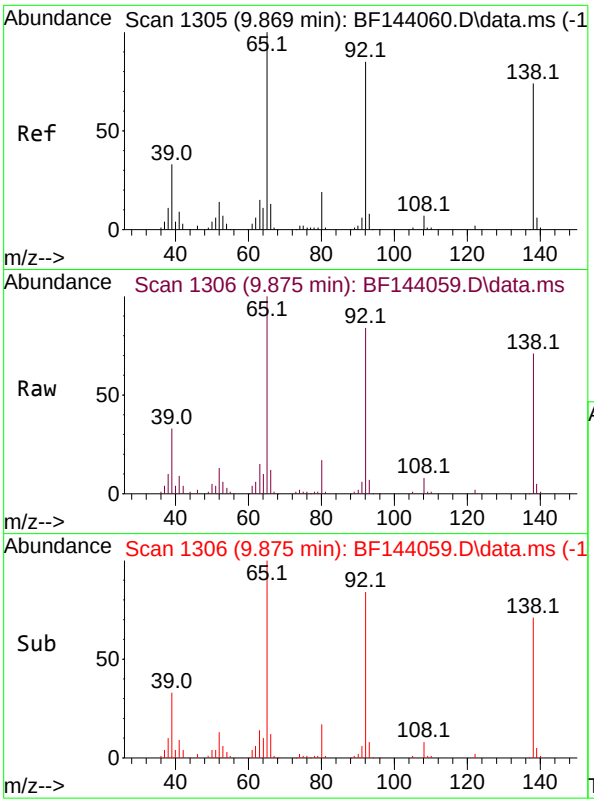


#52
Acenaphthene
Concen: 21.003 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



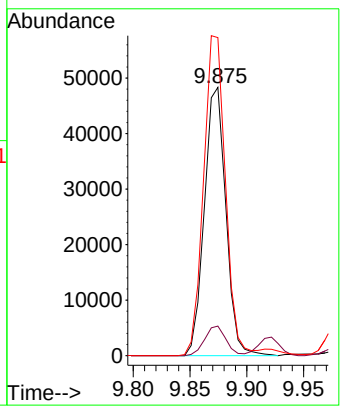


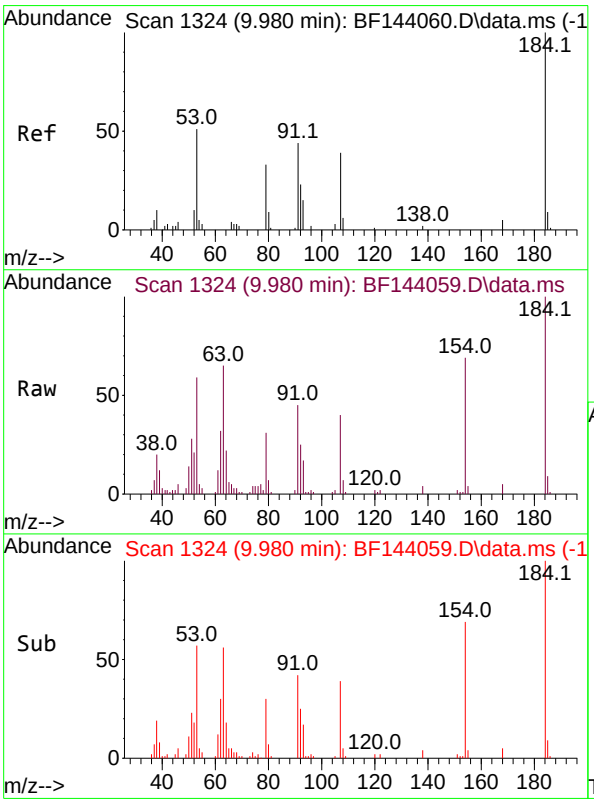
#53
3-Nitroaniline
Concen: 20.358 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

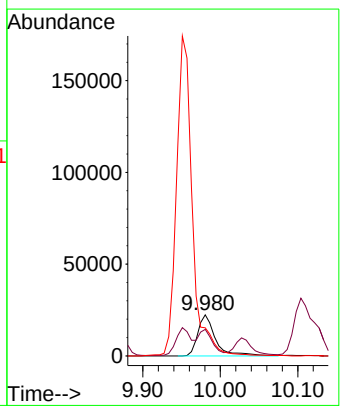


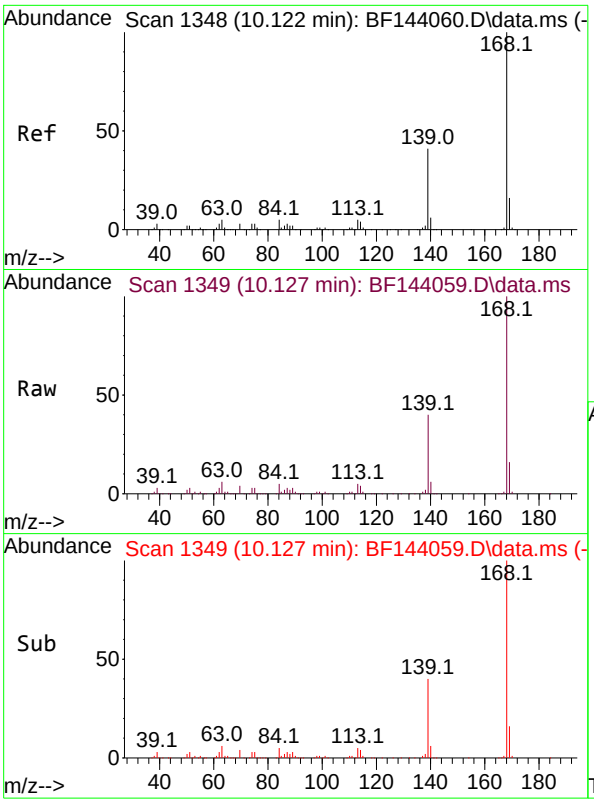


#54
2,4-Dinitrophenol
Concen: 23.089 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



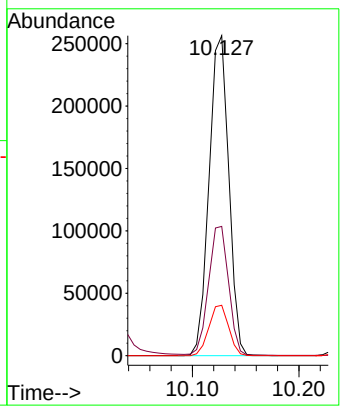


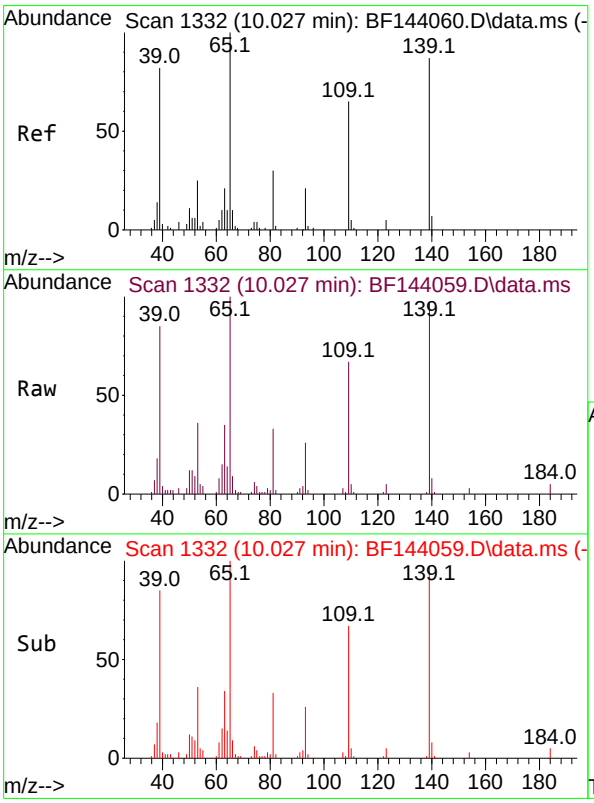
#55
Dibenzofuran
Concen: 20.162 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

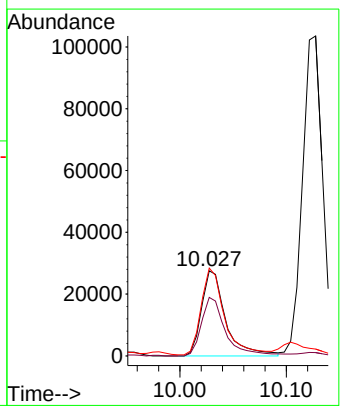


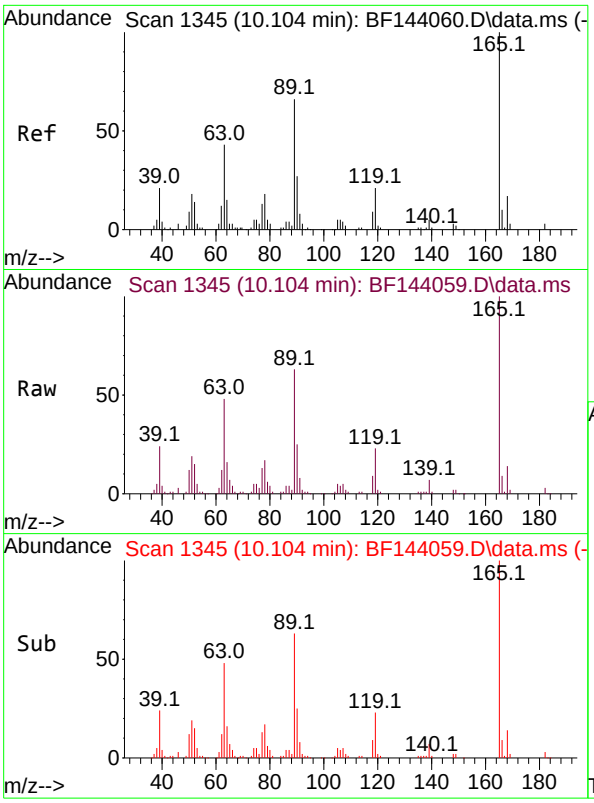


#56
4-Nitrophenol
Concen: 20.402 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



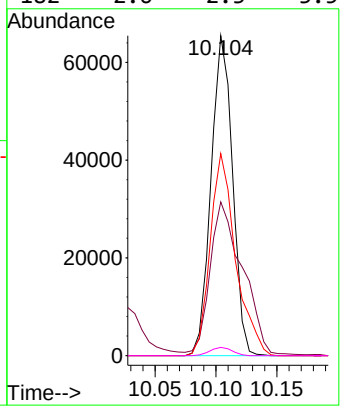


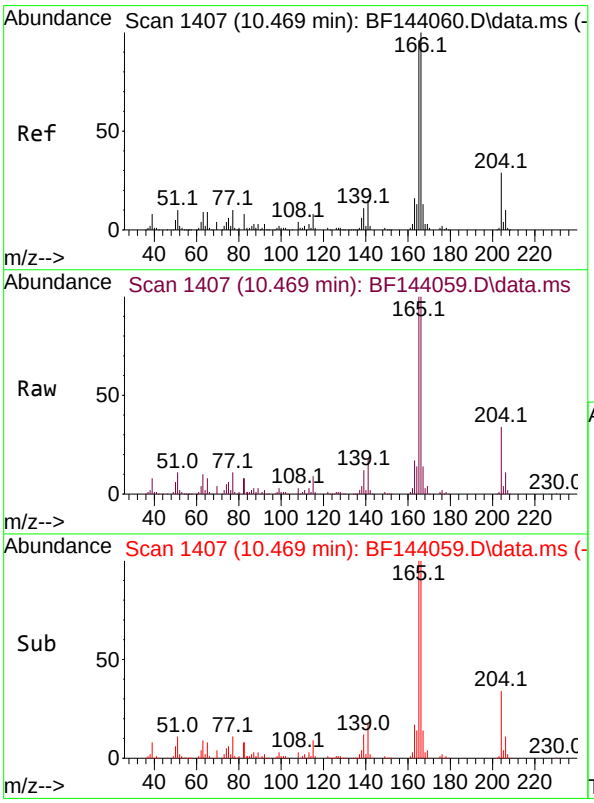
#57
2,4-Dinitrotoluene
Concen: 21.160 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

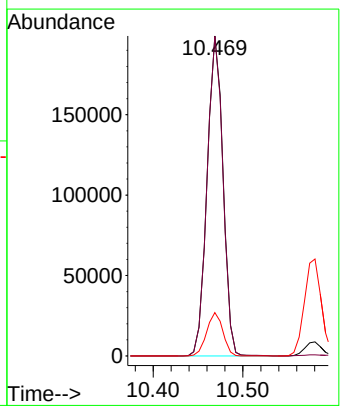


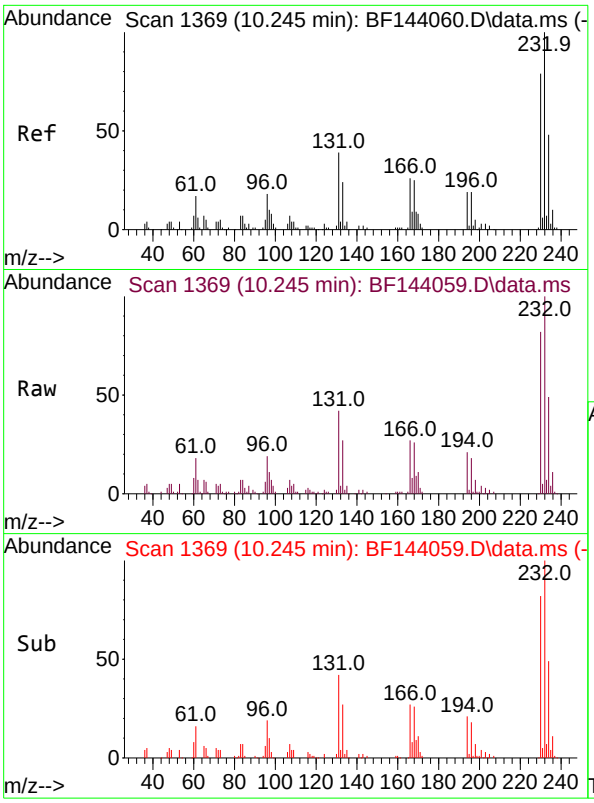


#58
Fluorene
Concen: 19.841 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



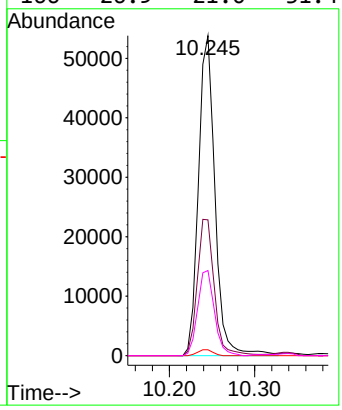


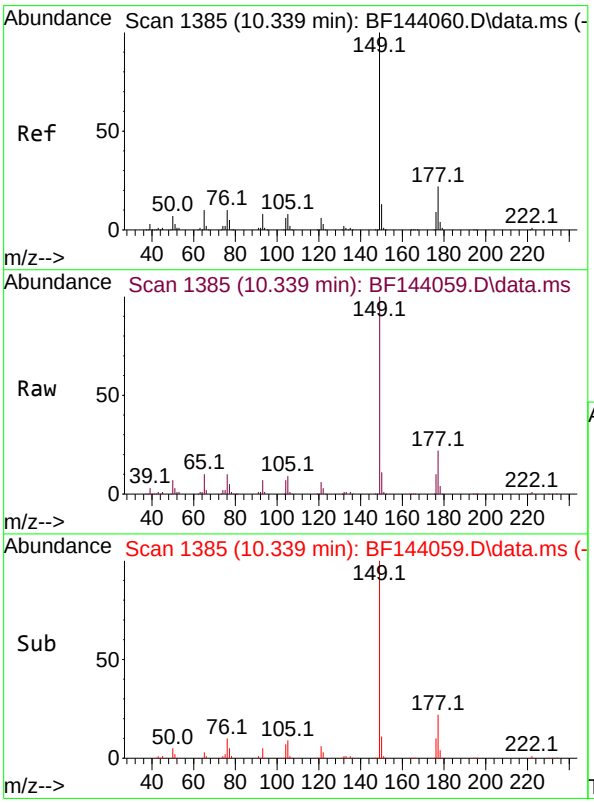
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.172 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

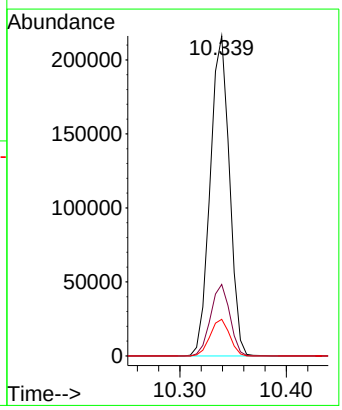


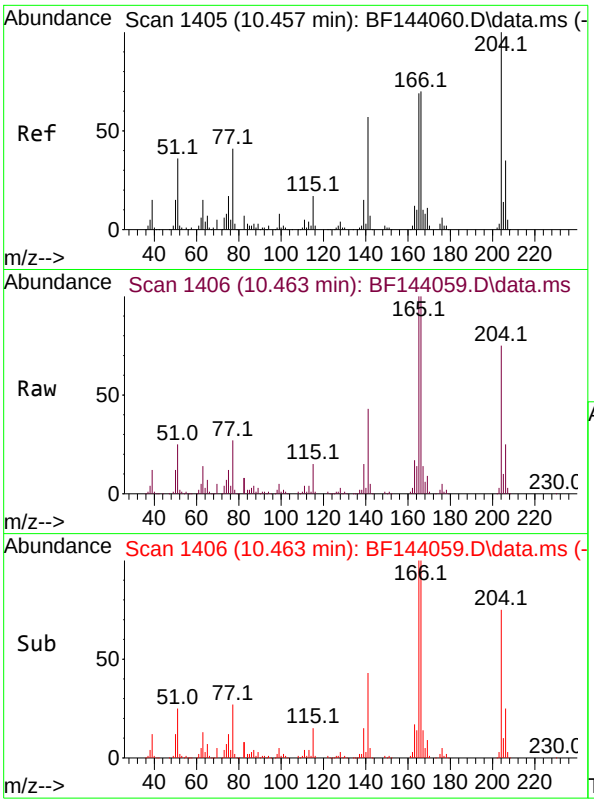


#60
Diethylphthalate
Concen: 20.184 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



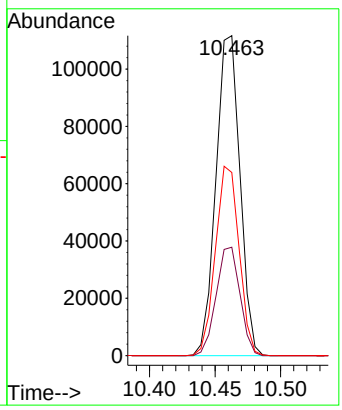


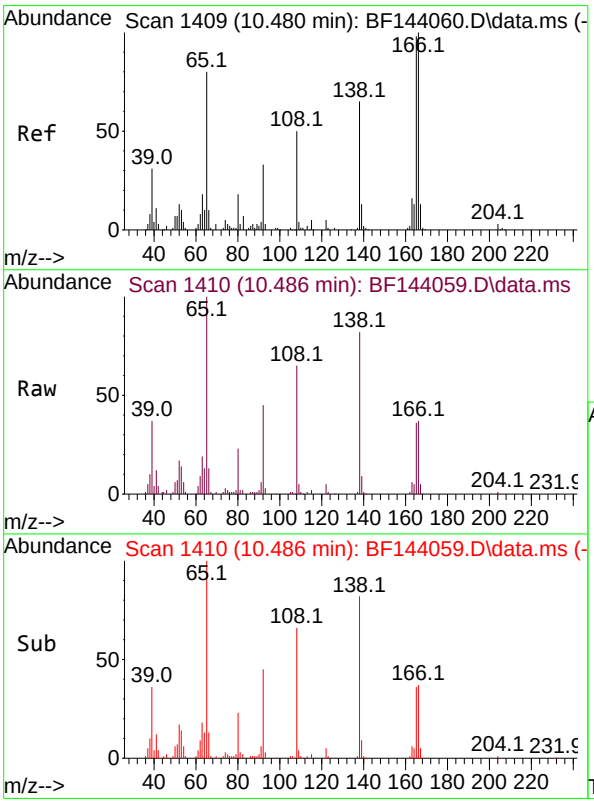
#61
4-Chlorophenyl-phenylether
Concen: 20.406 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

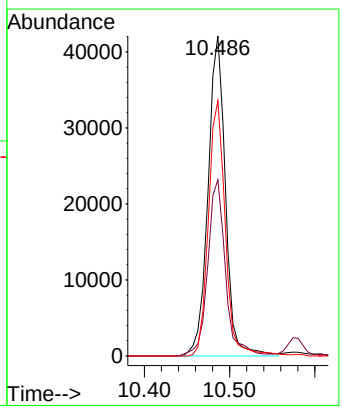


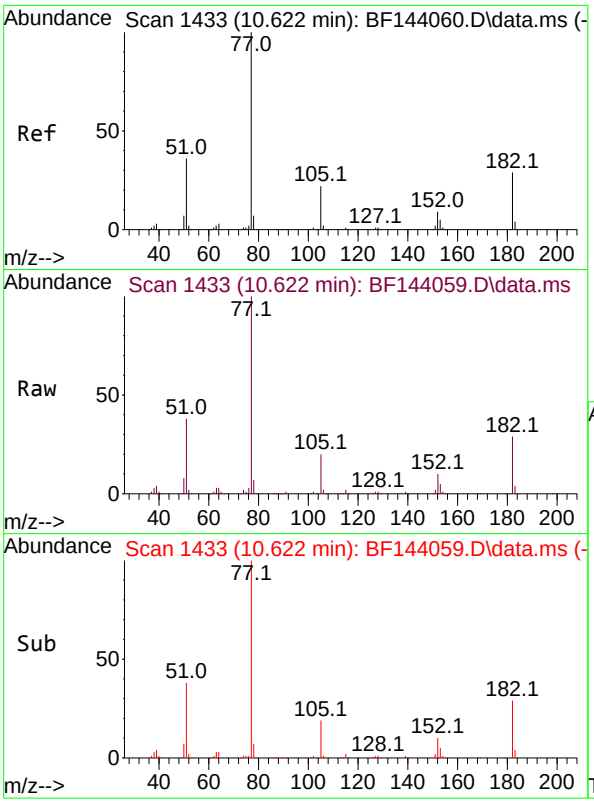


#62
4-Nitroaniline
Concen: 20.157 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



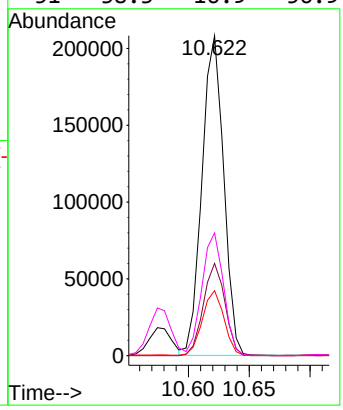


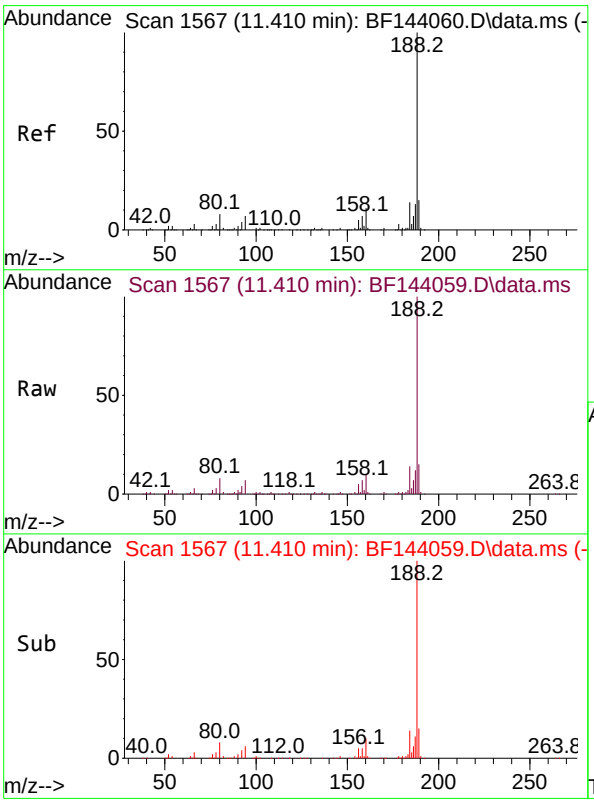
#63
Azobenzene
Concen: 20.346 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

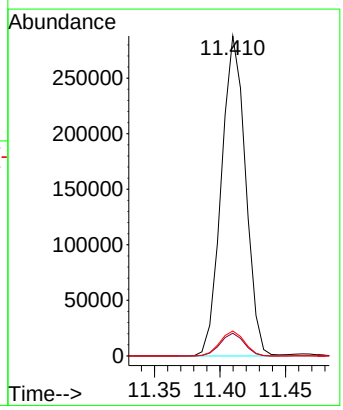


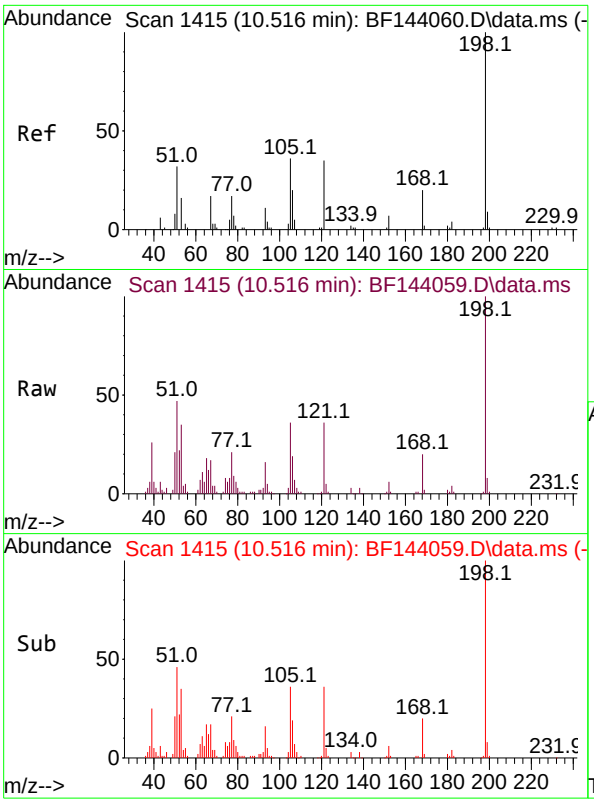


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



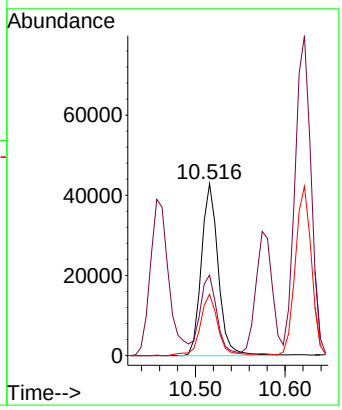


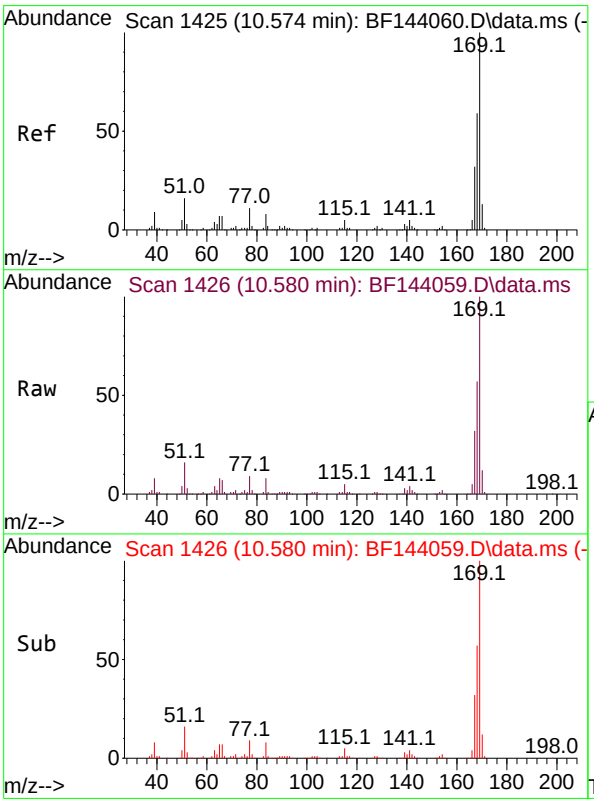
#65
4,6-Dinitro-2-methylphenol
Concen: 23.553 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

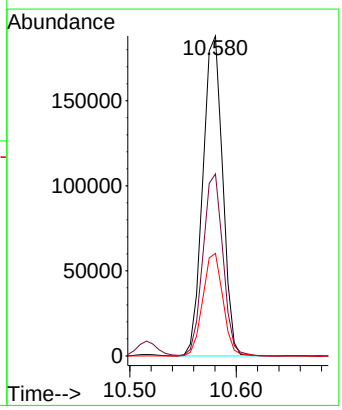


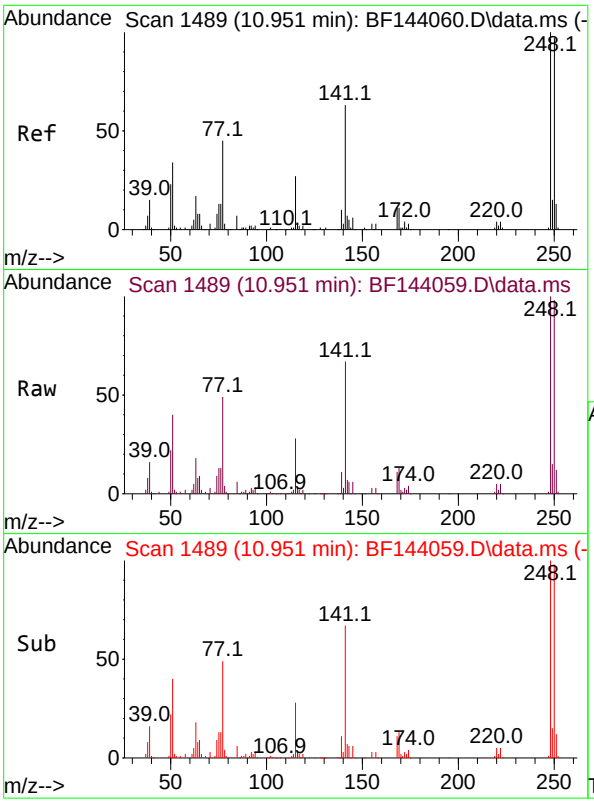


#66
n-Nitrosodiphenylamine
Concen: 20.563 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



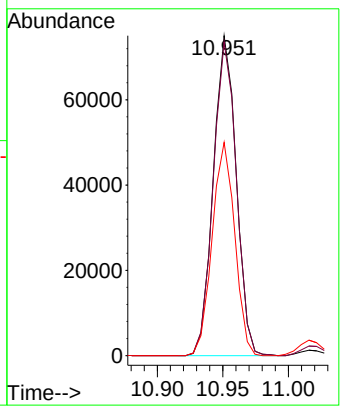


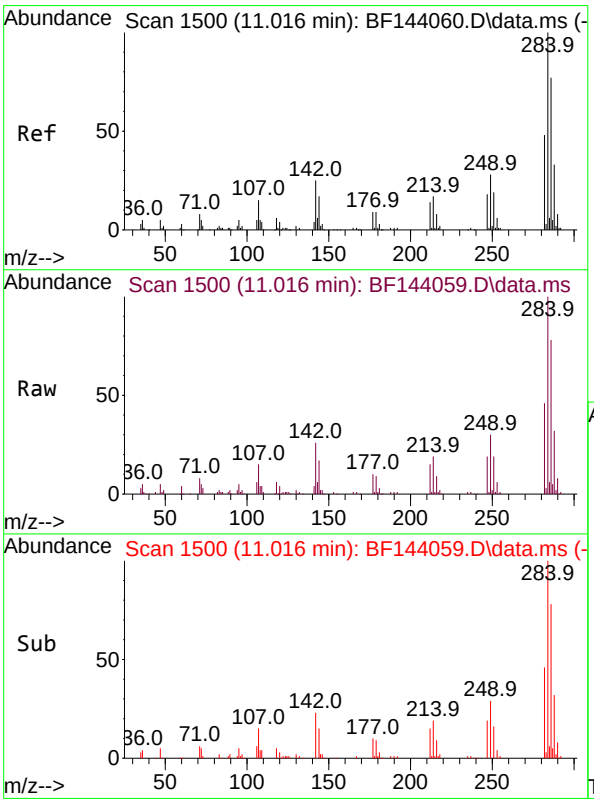
#67
4-Bromophenyl-phenylether
Concen: 19.753 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

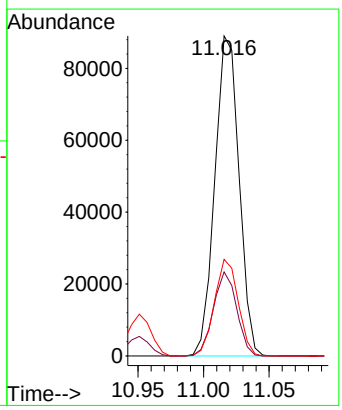


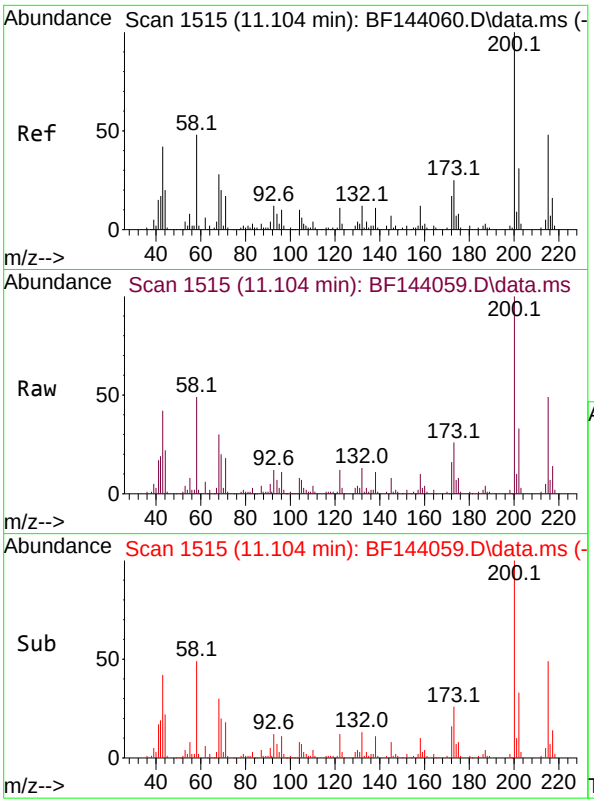


#68
Hexachlorobenzene
Concen: 20.141 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



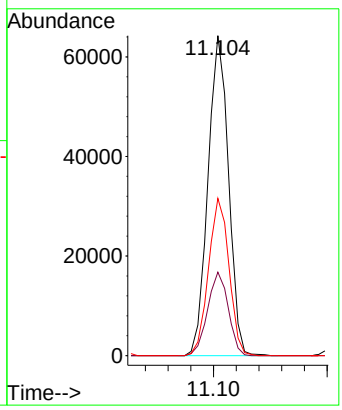


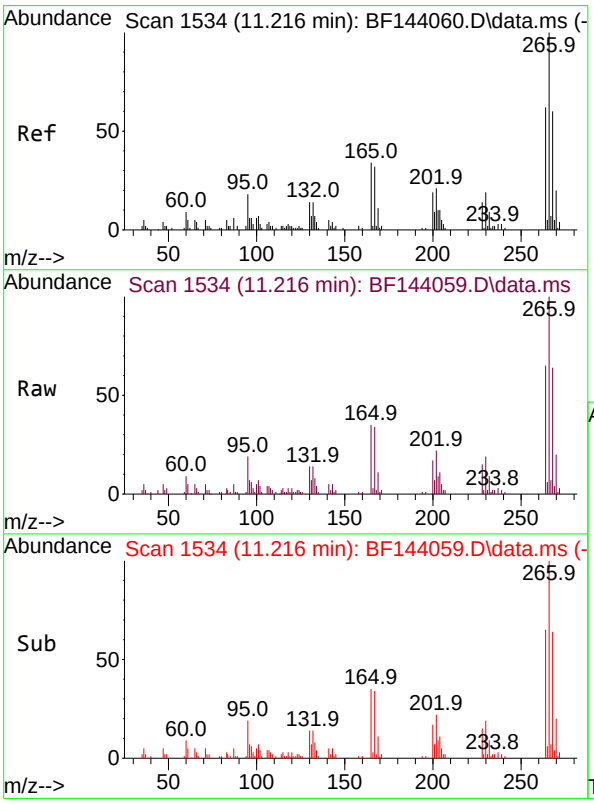
#69
Atrazine
Concen: 20.818 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

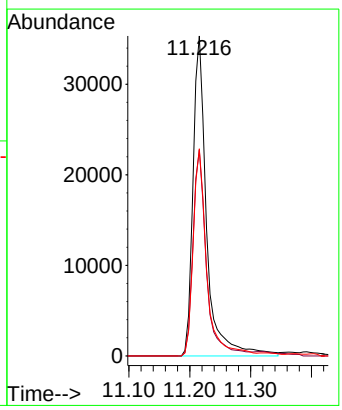


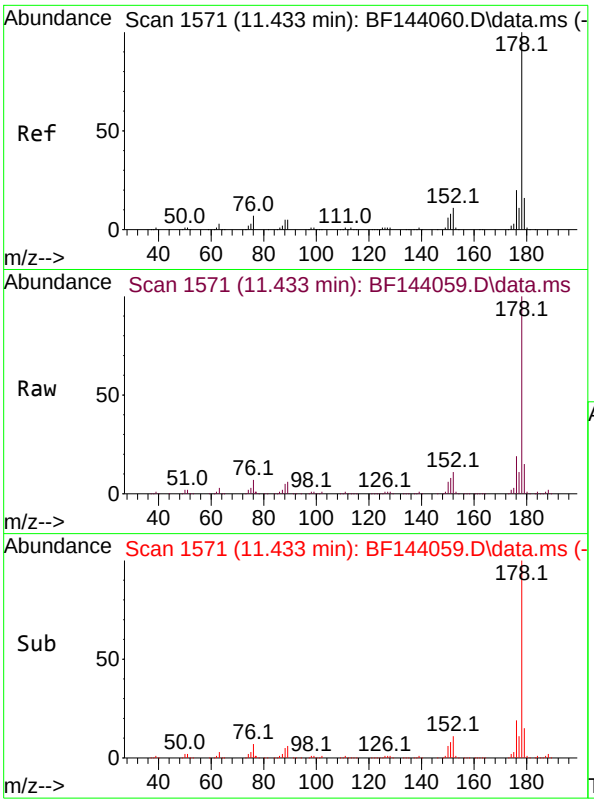


#70
Pentachlorophenol
Concen: 20.449 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



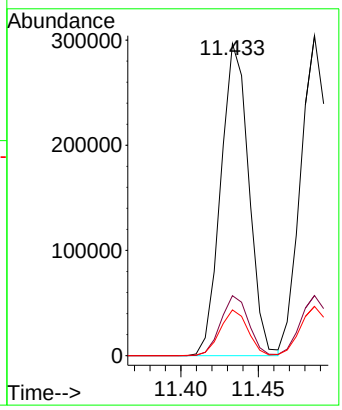


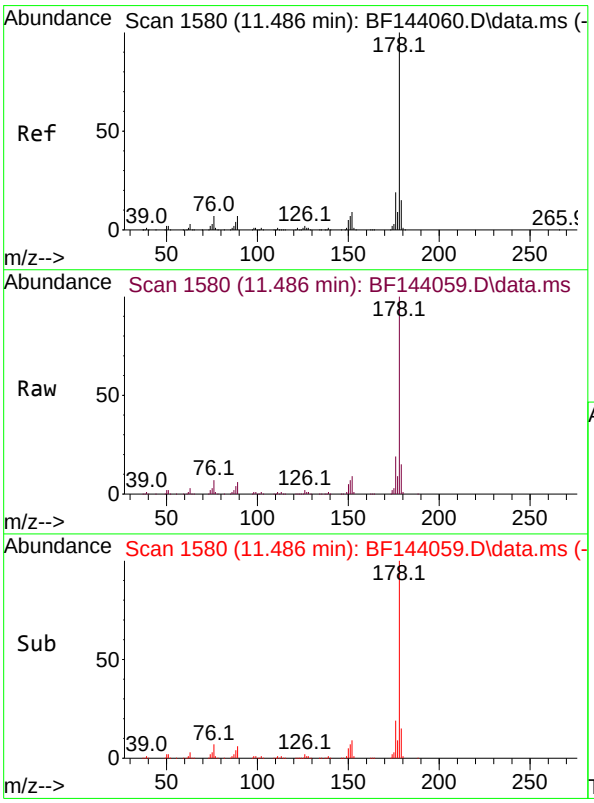
#71
Phenanthrene
Concen: 20.315 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

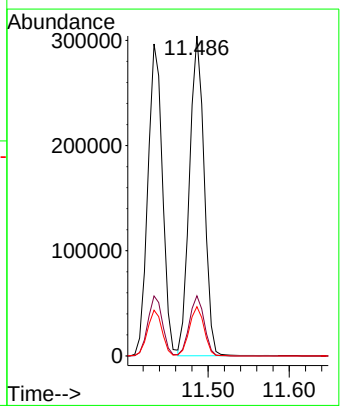


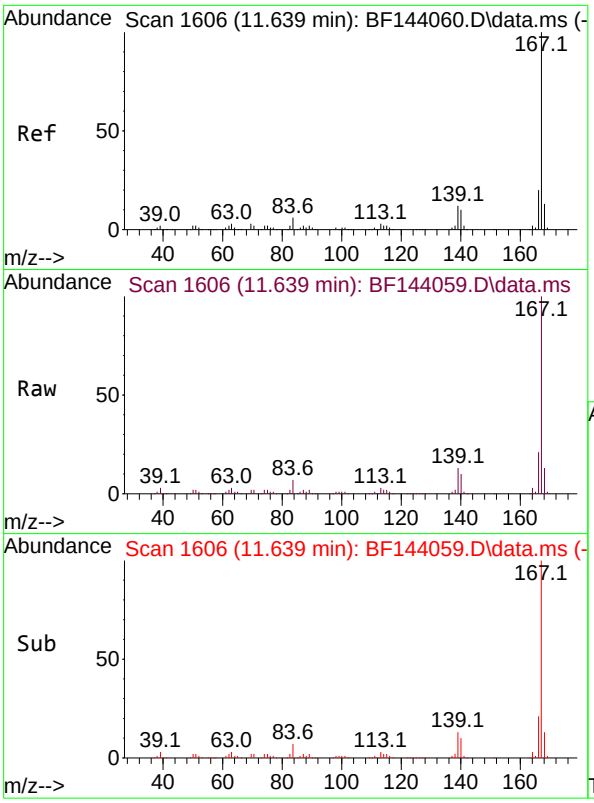


#72
Anthracene
Concen: 20.060 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



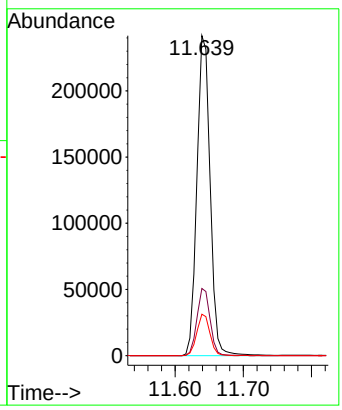


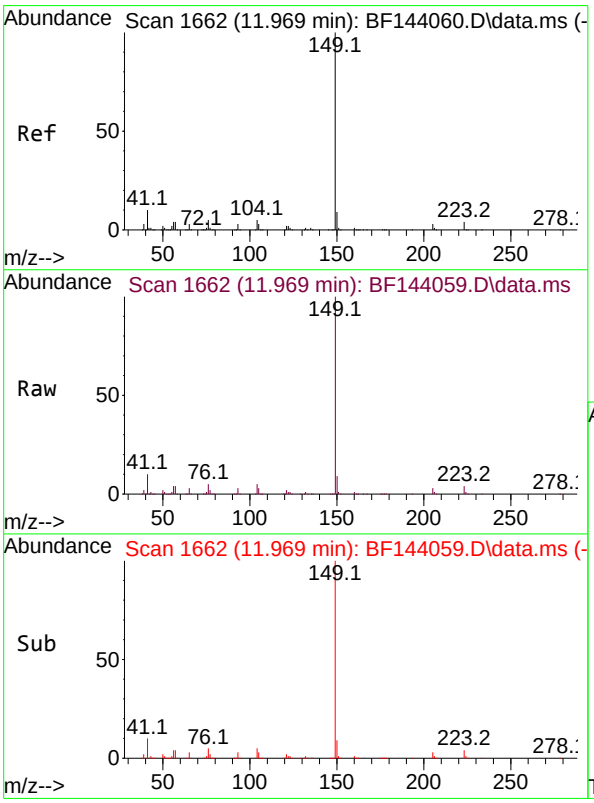
#73
Carbazole
Concen: 20.225 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

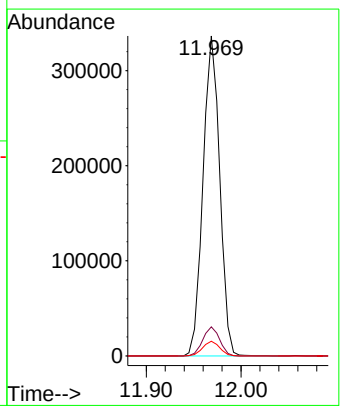


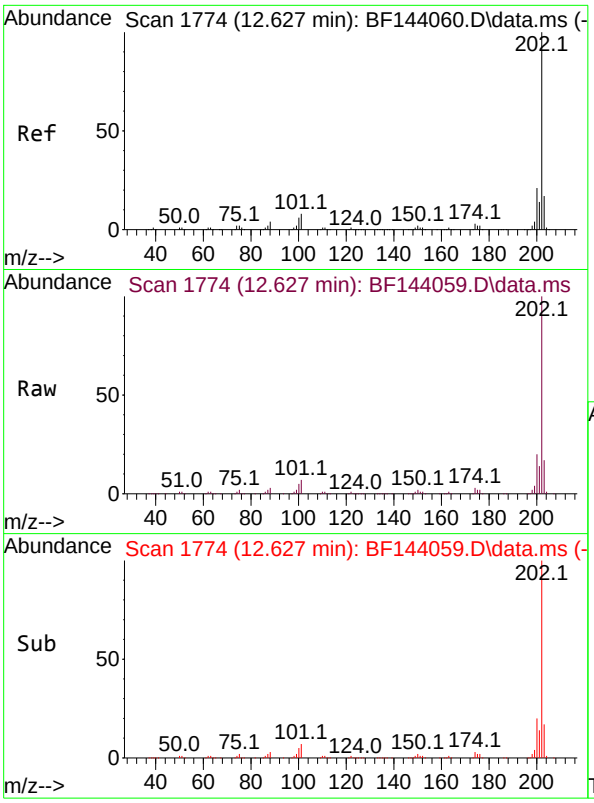


#74
Di-n-butylphthalate
Concen: 20.841 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



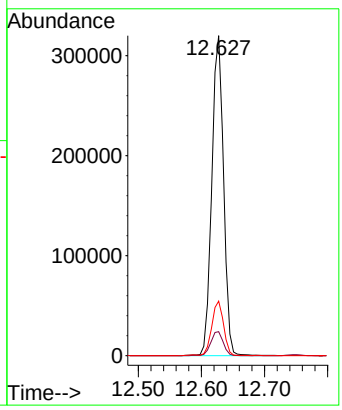


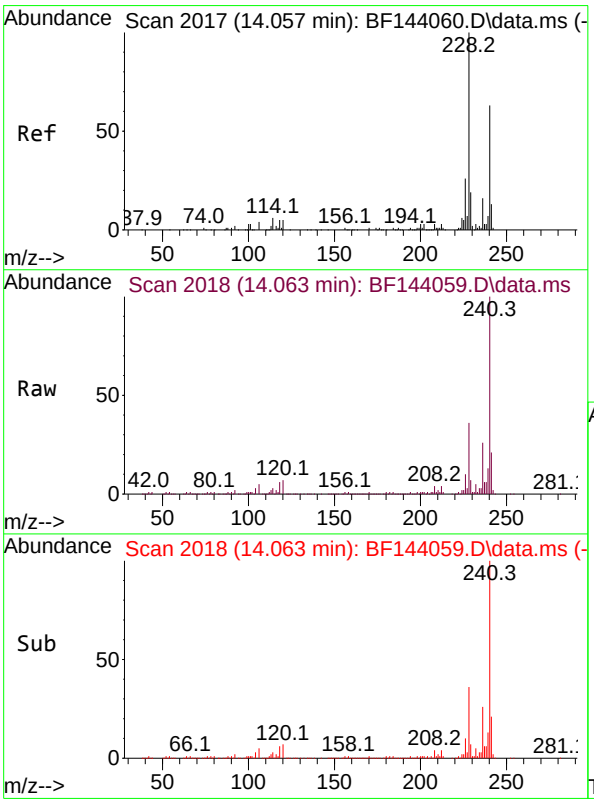
#75
Fluoranthene
Concen: 20.430 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

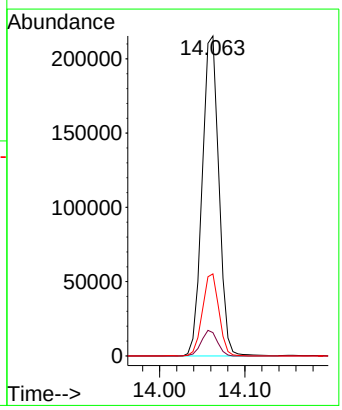


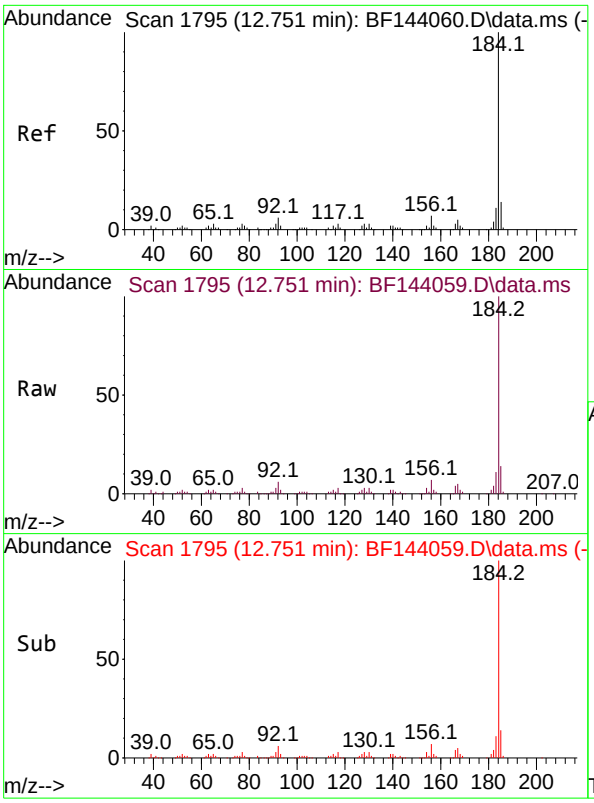


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



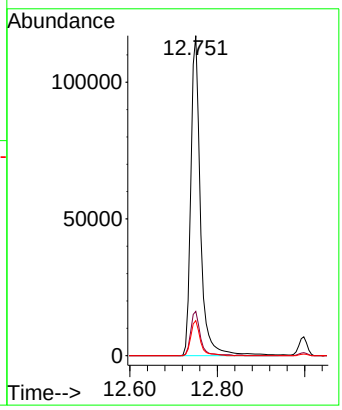


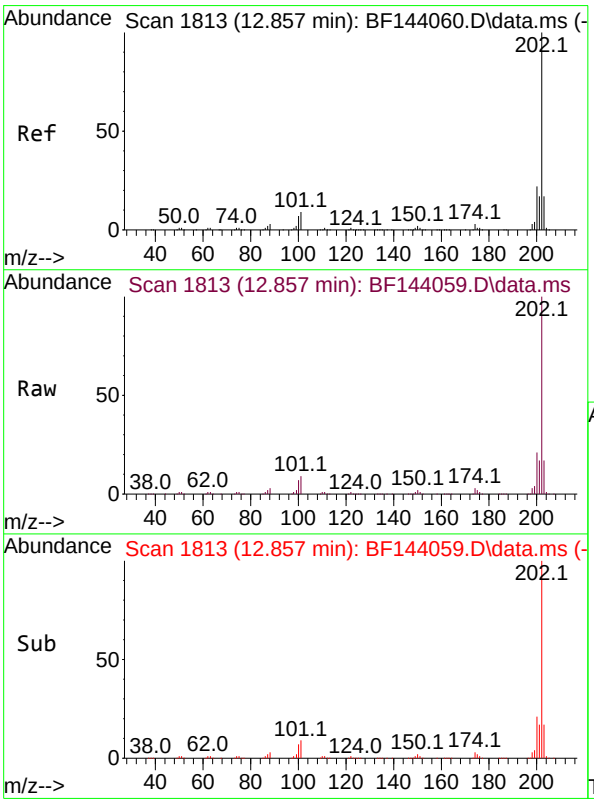
#77
Benzidine
Concen: 19.736 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

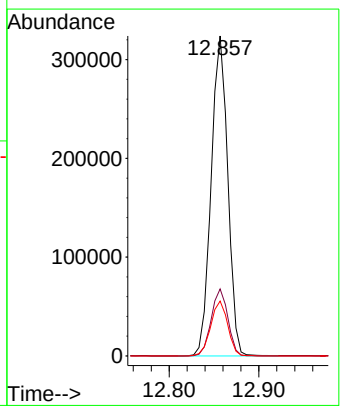


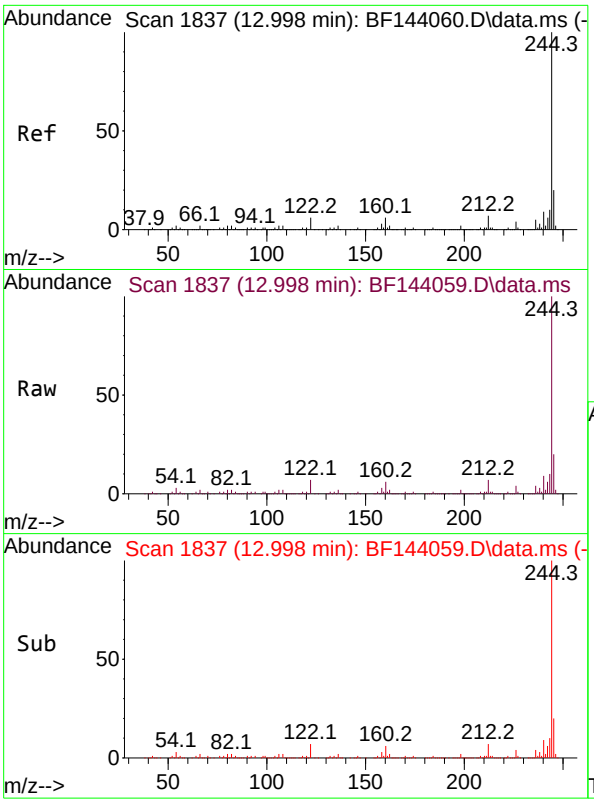


#78
Pyrene
Concen: 19.831 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



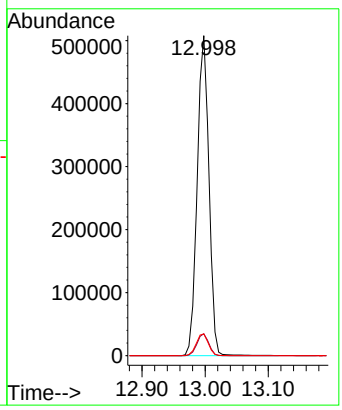


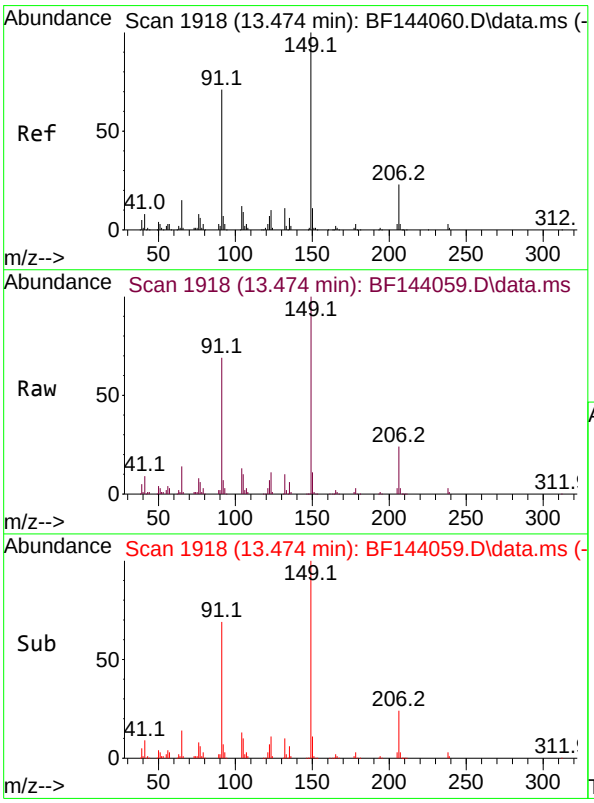
#79
Terphenyl-d14
Concen: 39.189 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

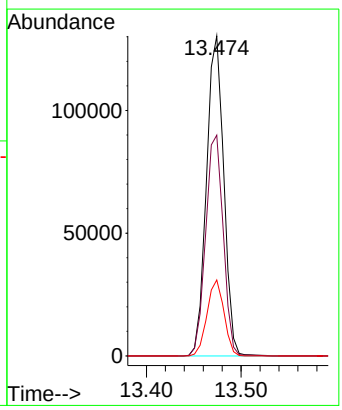


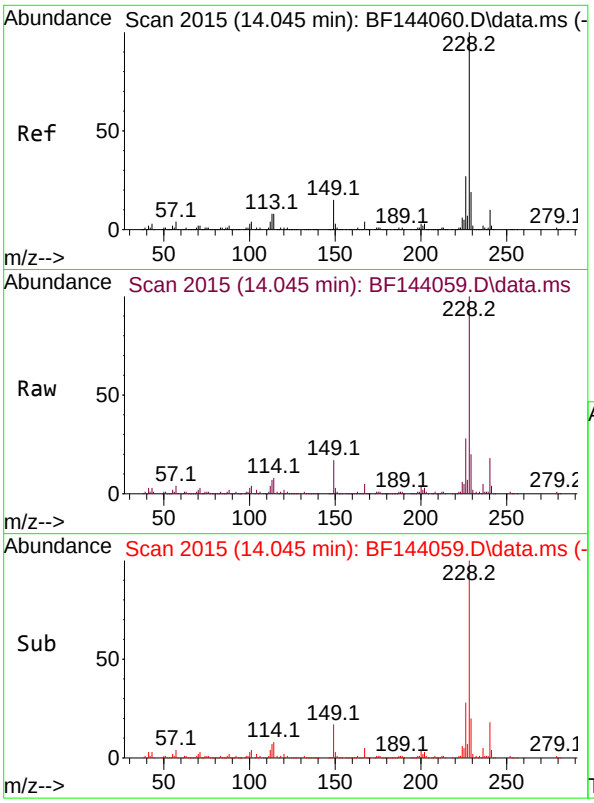


#80
Butylbenzylphthalate
Concen: 20.827 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



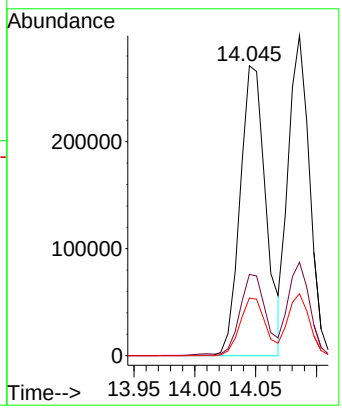


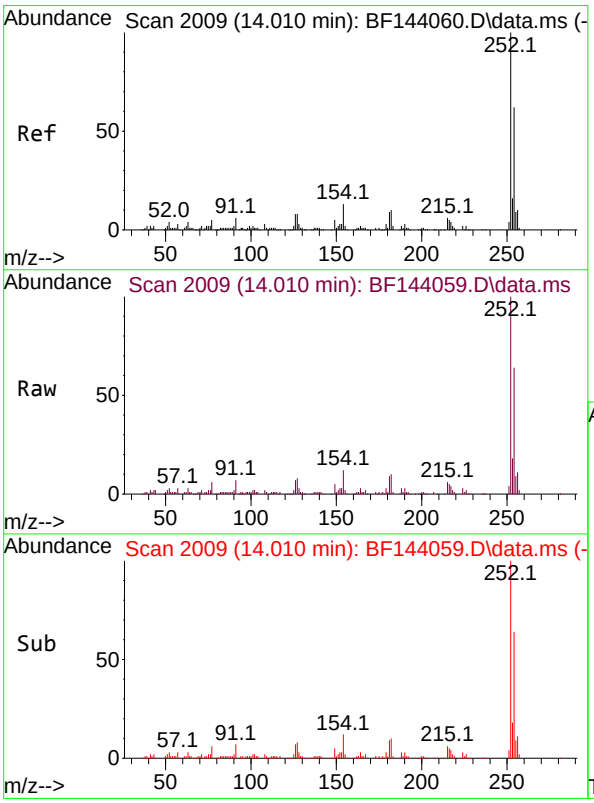
#81
Benzo(a)anthracene
Concen: 20.114 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

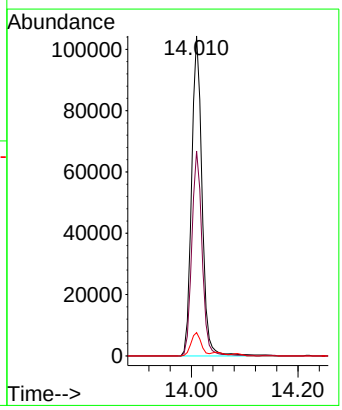


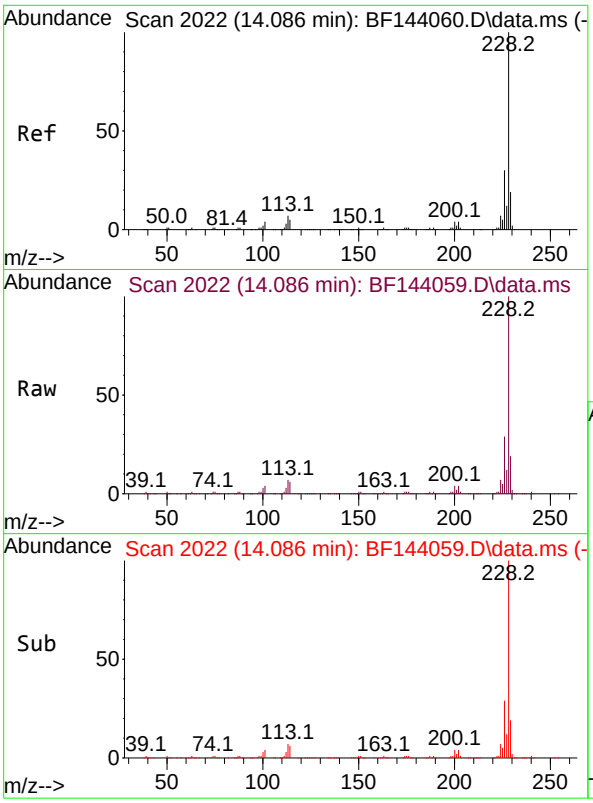


#82
3,3'-Dichlorobenzidine
Concen: 20.599 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



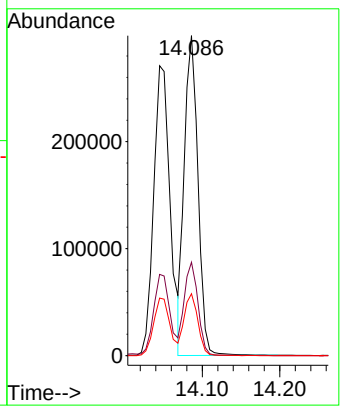


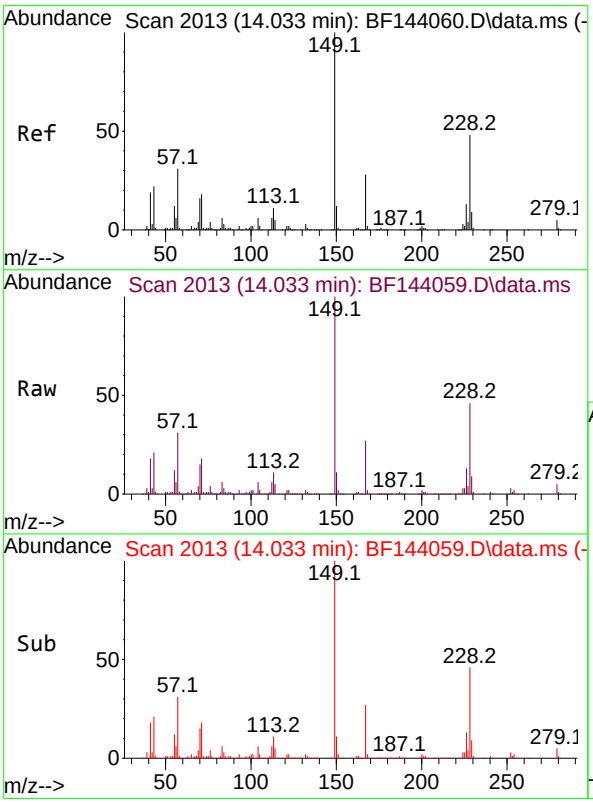
#83
Chrysene
Concen: 19.753 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

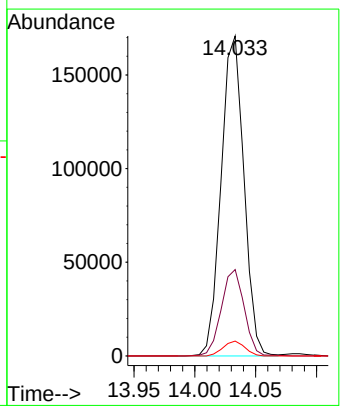


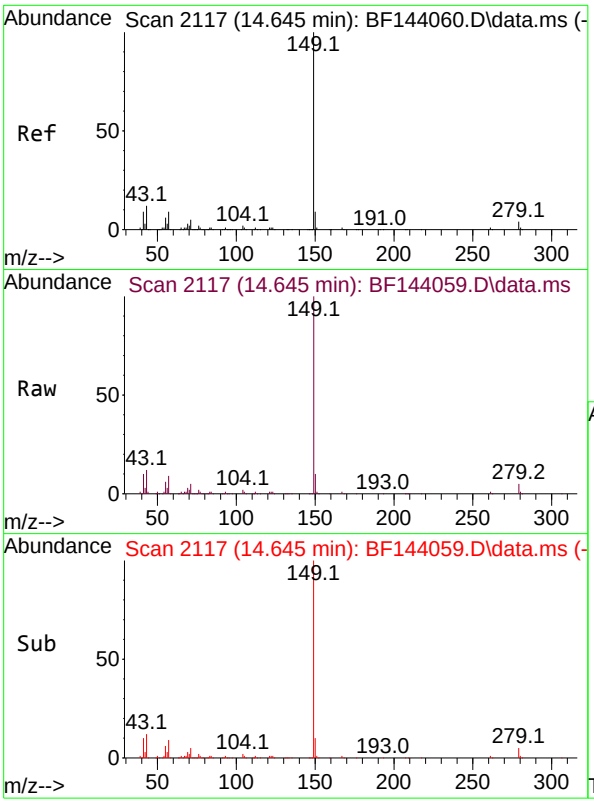


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.491 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



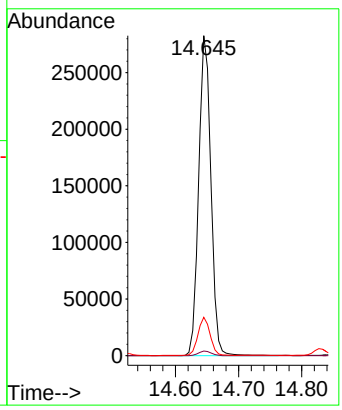


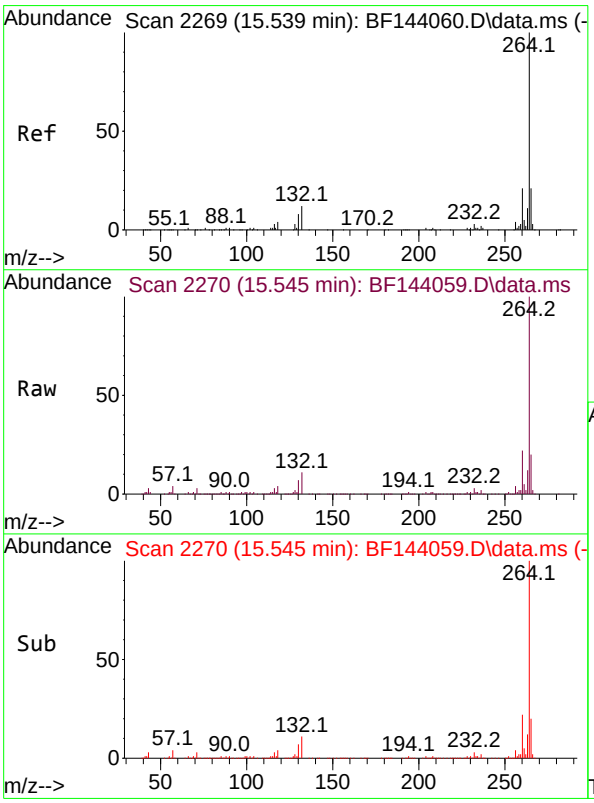
#85
Di-n-octyl phthalate
Concen: 20.284 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

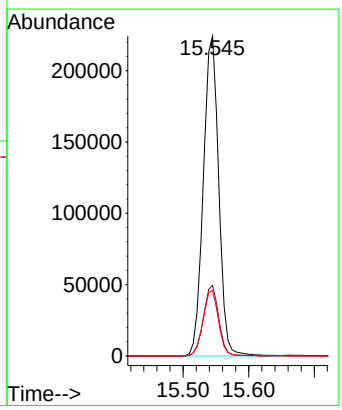


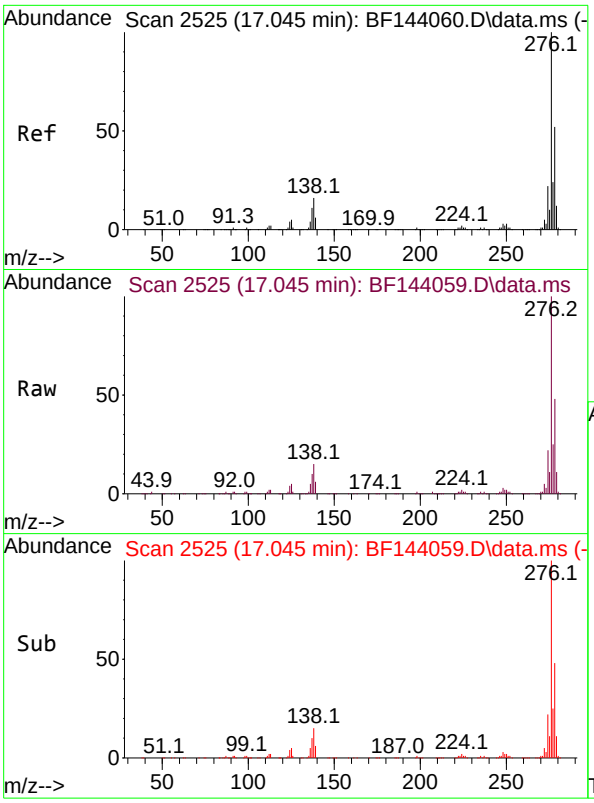


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



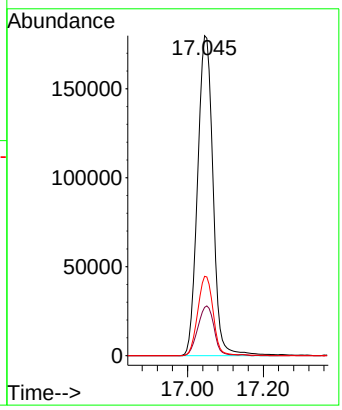


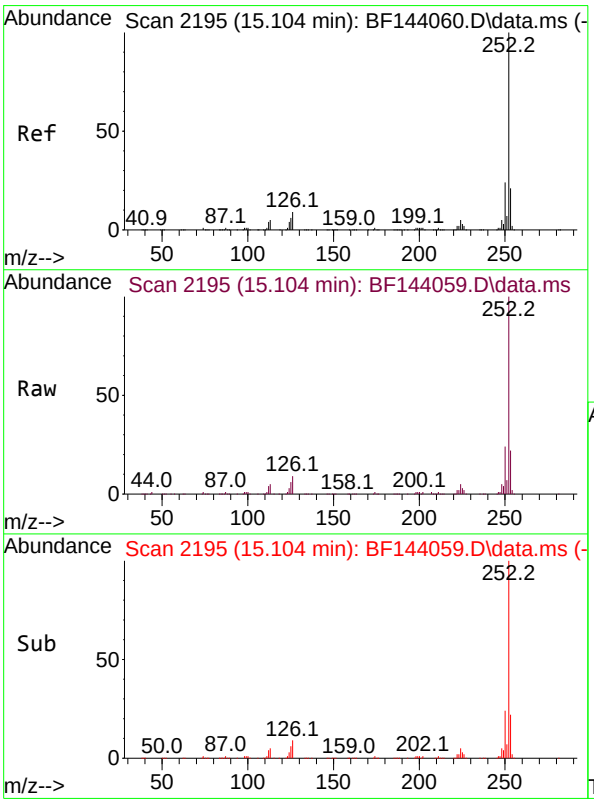
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.307 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

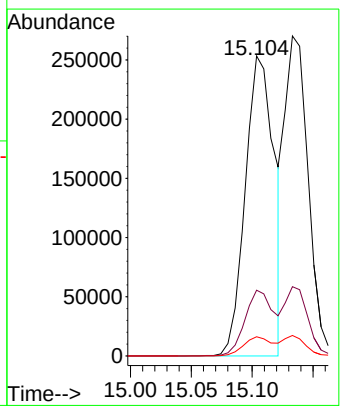


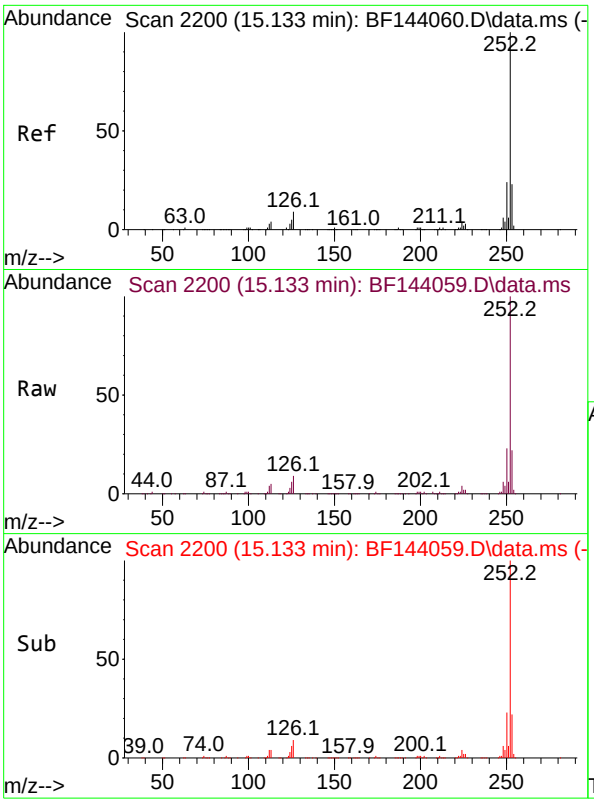


#88
Benzo(b)fluoranthene
Concen: 20.396 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



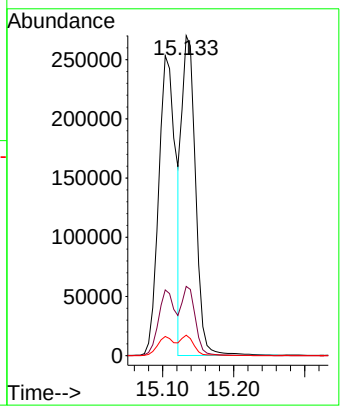


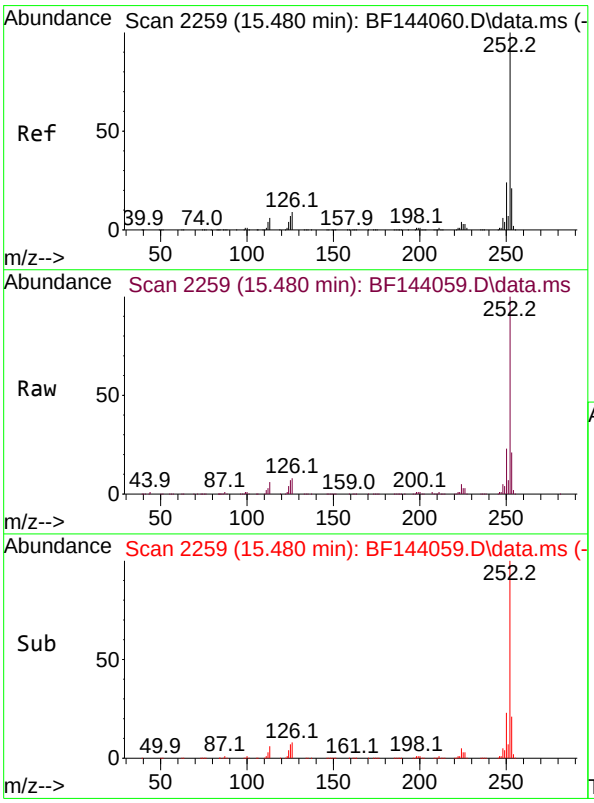
#89
Benzo(k)fluoranthene
Concen: 19.372 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

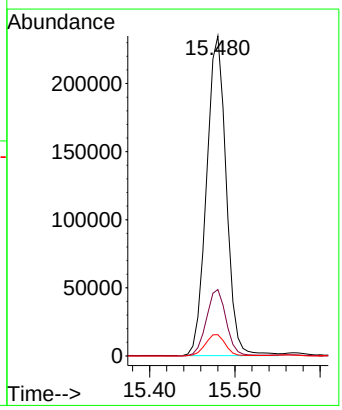


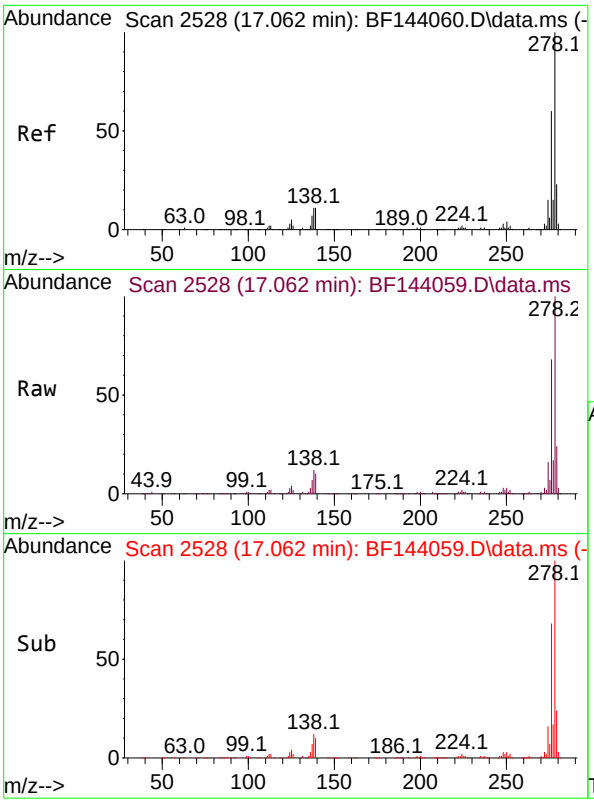


#90
Benzo(a)pyrene
Concen: 20.423 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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



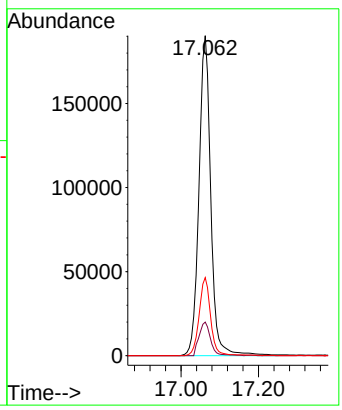


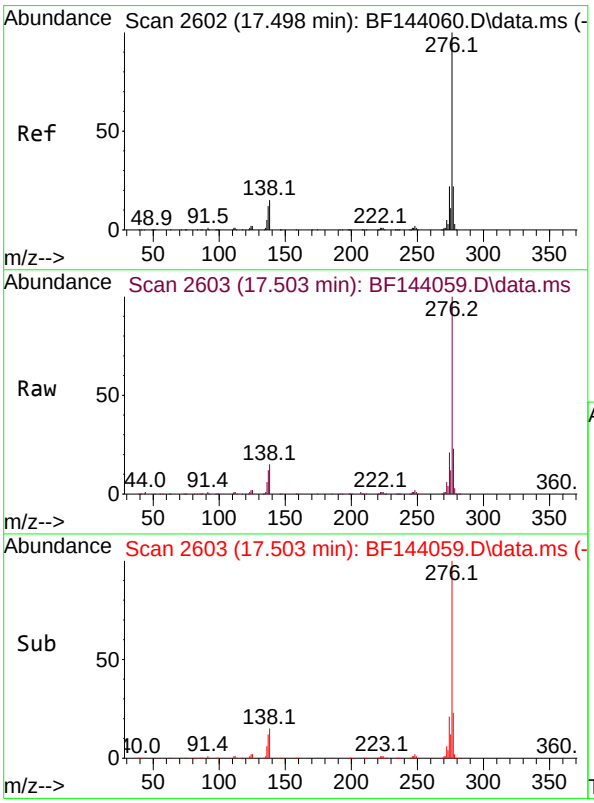
#91
Dibenzo(a,h)anthracene
Concen: 20.364 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

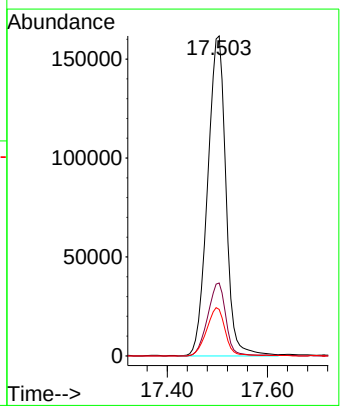




#92
Benzo(g,h,i)perylene
Concen: 20.563 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

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

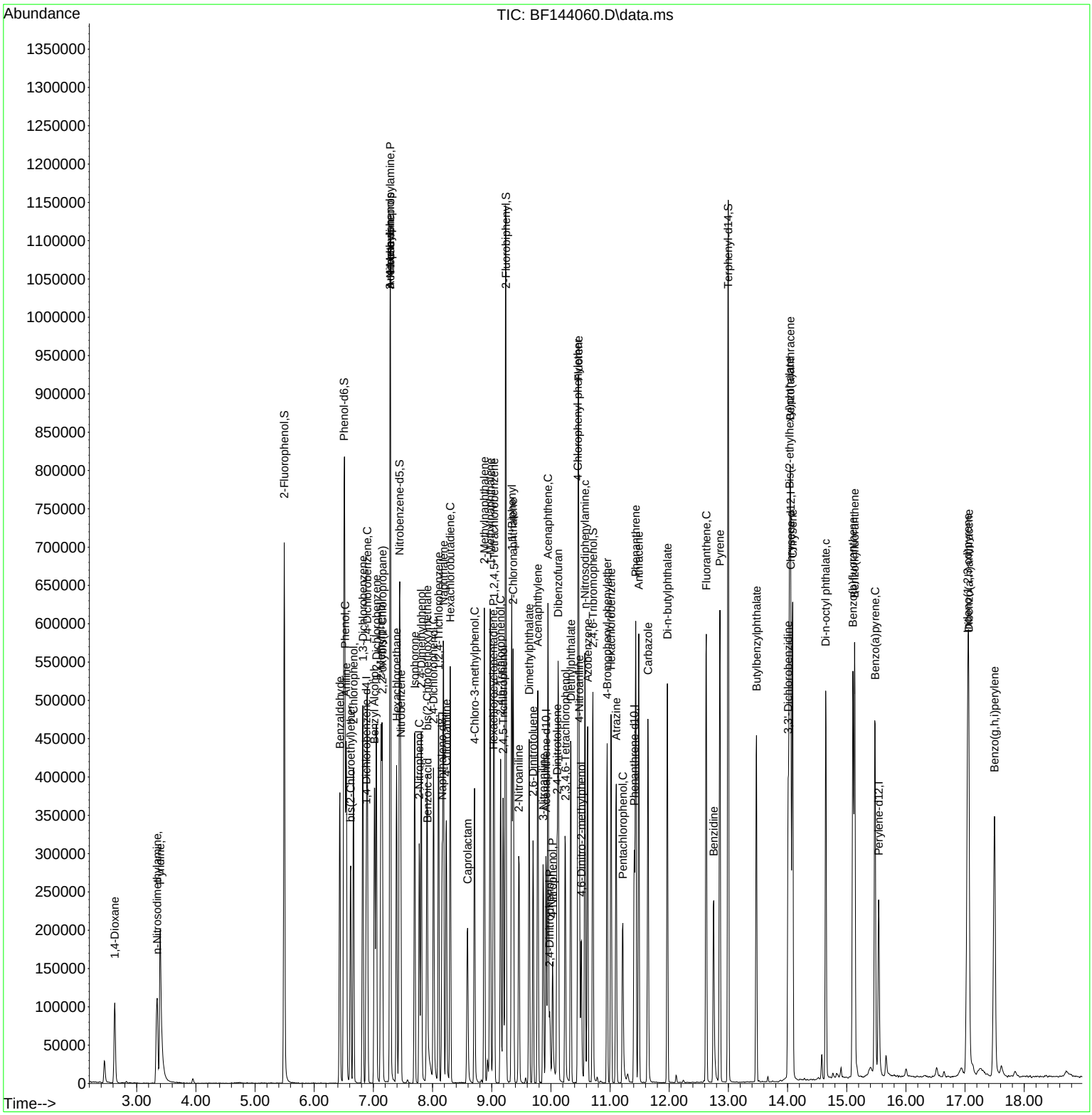
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	85520	39.842	ng	100
46) 1,1'-Biphenyl	9.339	154	269550	41.129	ng	100
47) 2-Chloronaphthalene	9.363	162	223762	40.753	ng	100
48) 2-Nitroaniline	9.457	65	69638	42.711	ng	100
49) Acenaphthylene	9.780	152	311770	42.112	ng	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

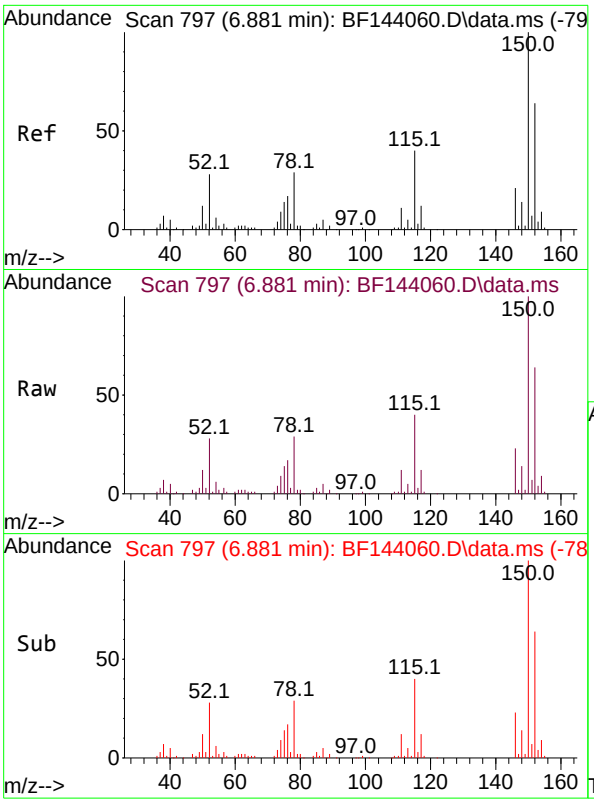
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



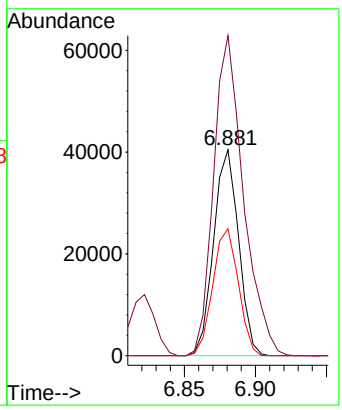


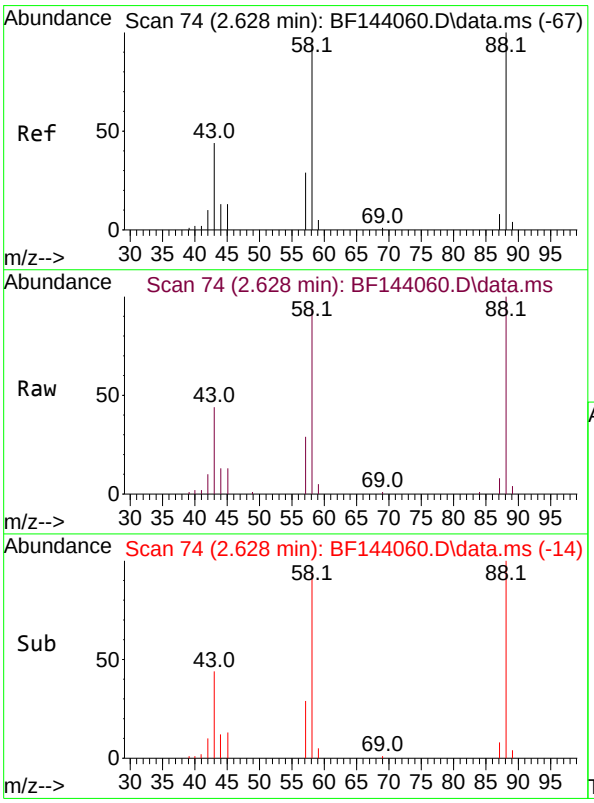
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

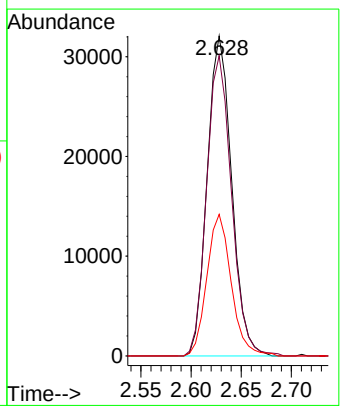


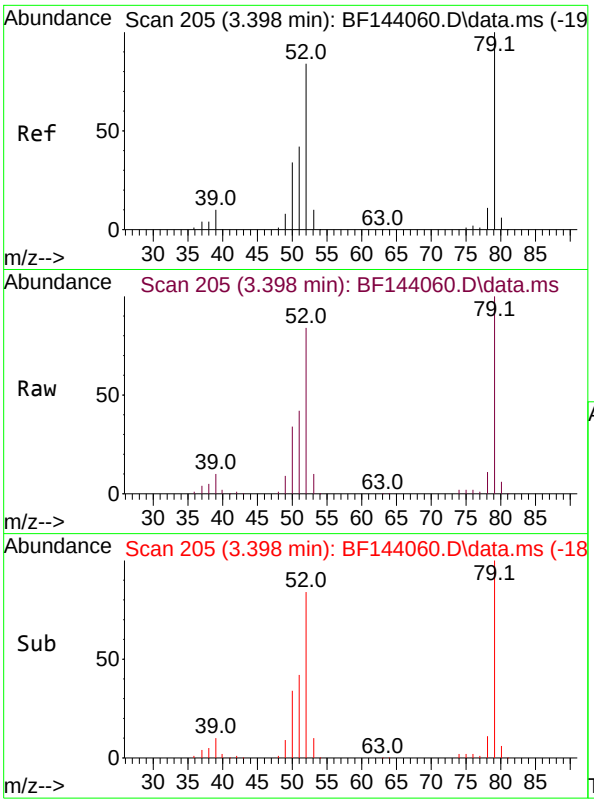


#2
1,4-Dioxane
Concen: 40.269 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



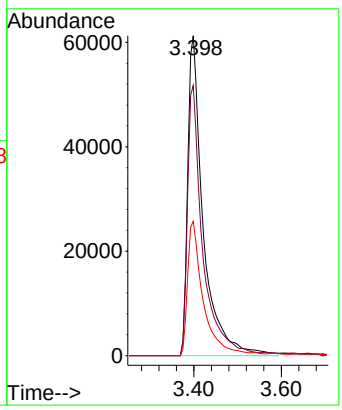


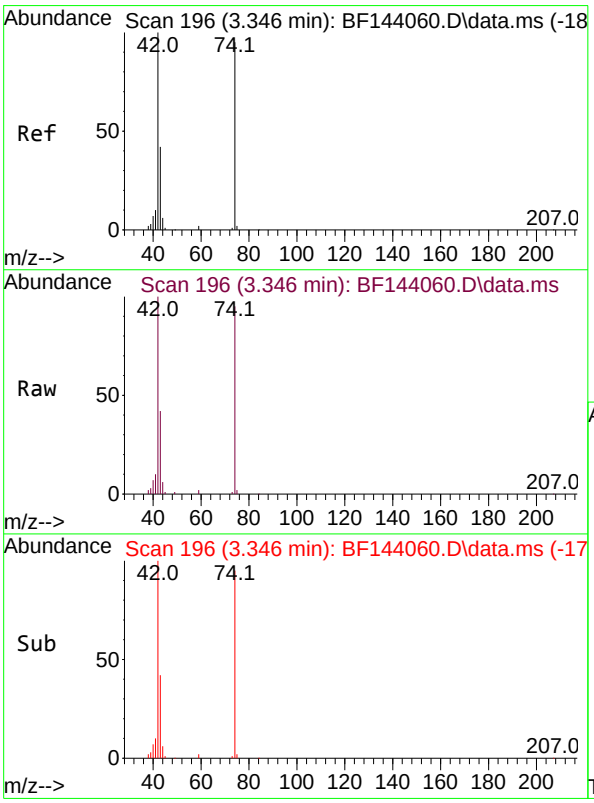
#3
Pyridine
Concen: 41.765 ng
RT: 3.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

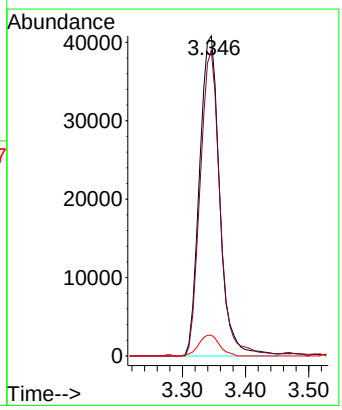


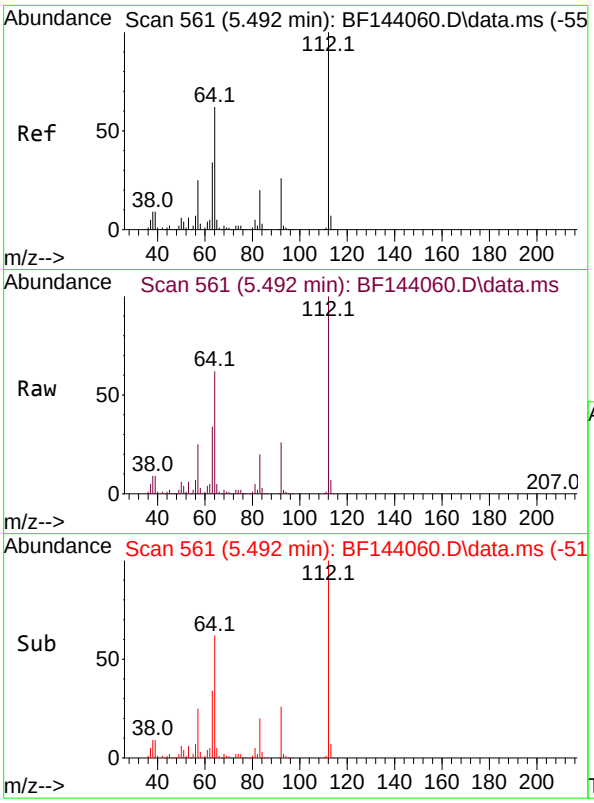


#4
n-Nitrosodimethylamine
Concen: 40.599 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



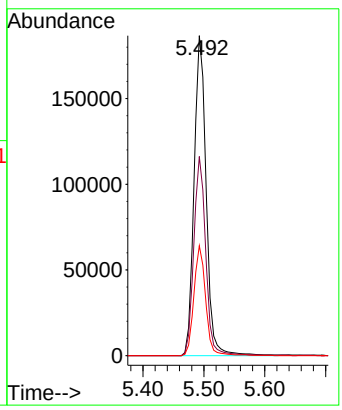


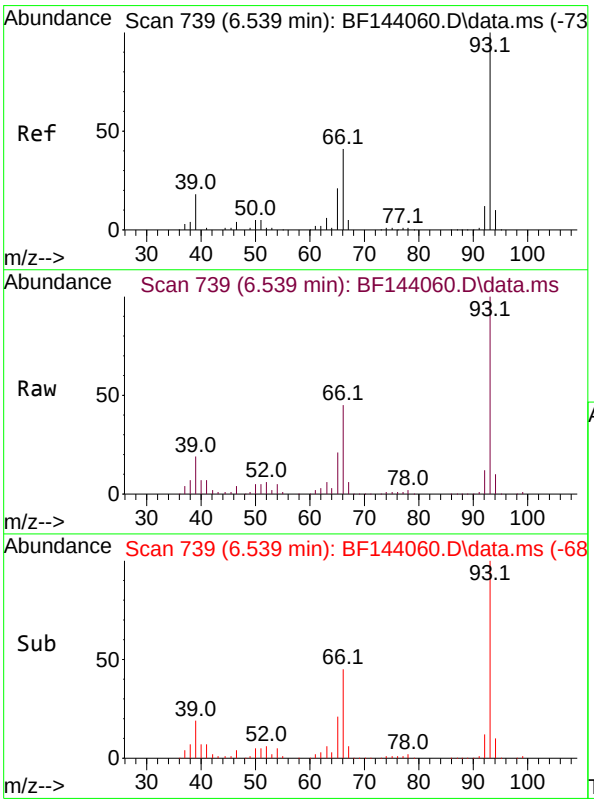
#5
2-Fluorophenol
Concen: 82.465 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

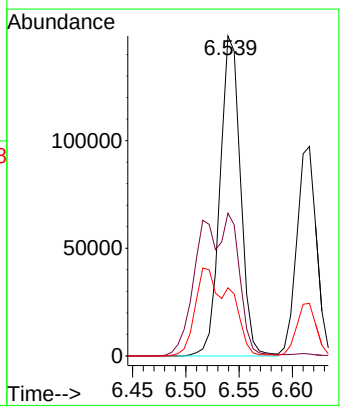


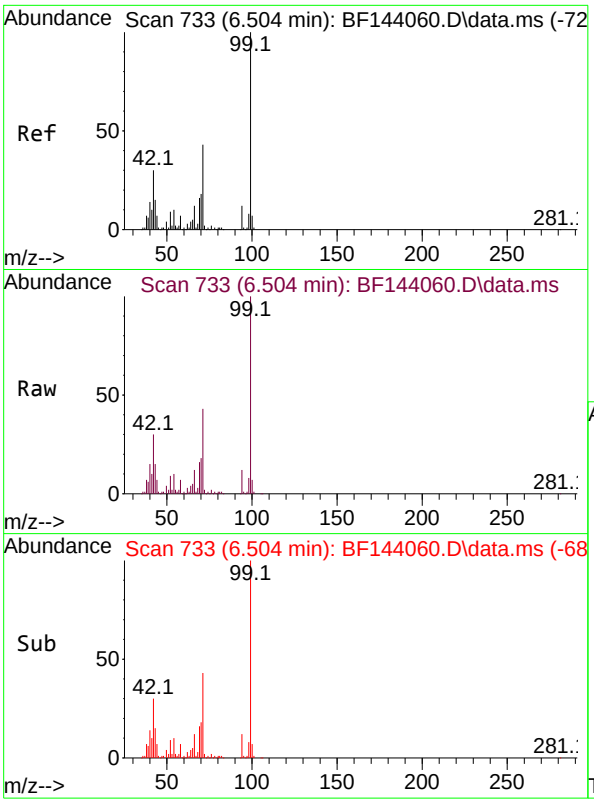


#6
Aniline
Concen: 40.371 ng
RT: 6.539 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



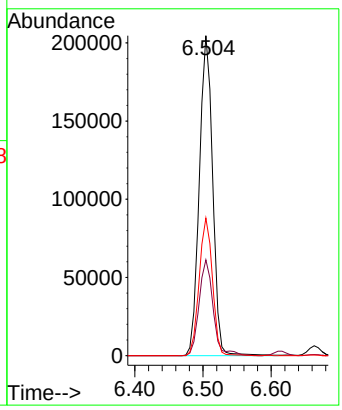


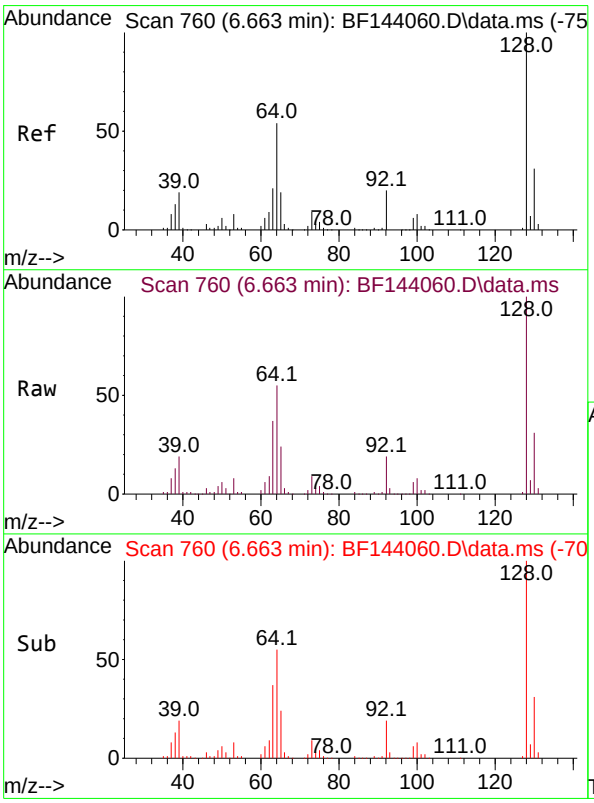
#7
Phenol-d6
Concen: 80.690 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

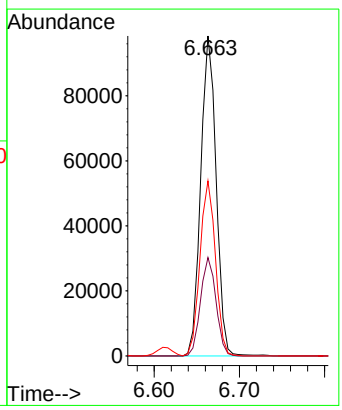


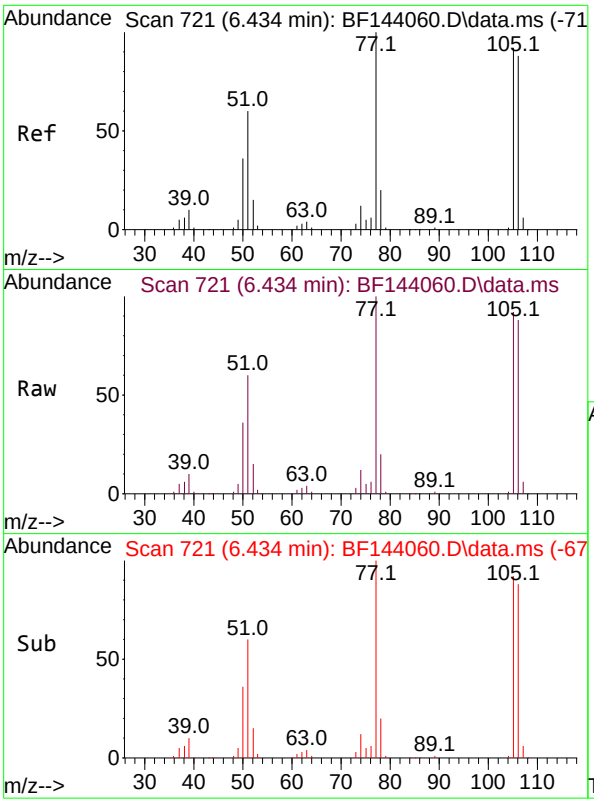


#8
2-Chlorophenol
Concen: 40.190 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



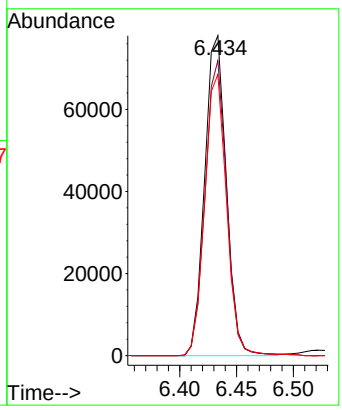


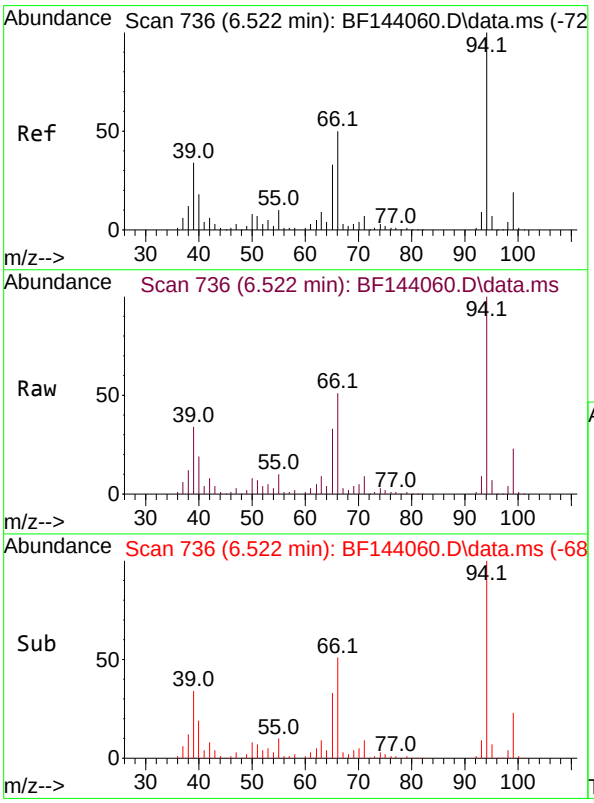
#9
Benzaldehyde
Concen: 38.490 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

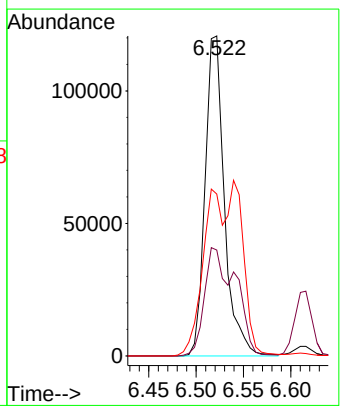


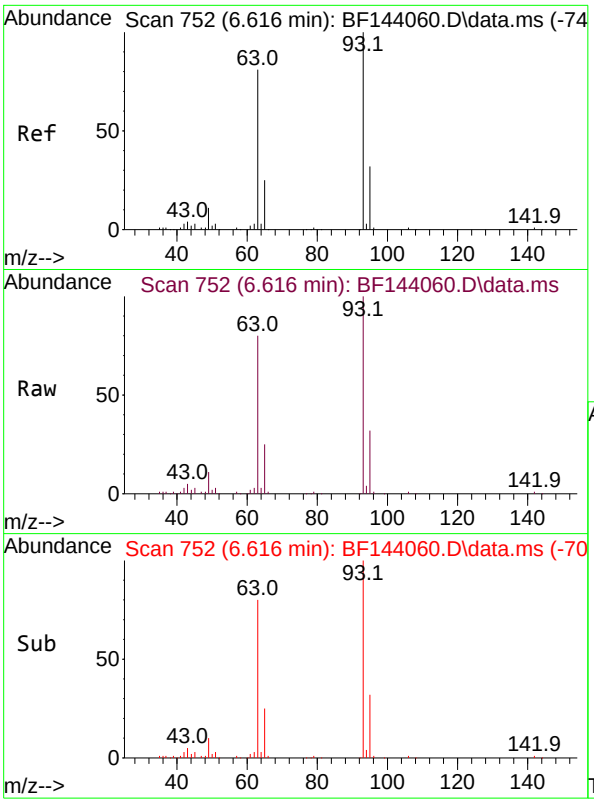


#10
Phenol
Concen: 40.307 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



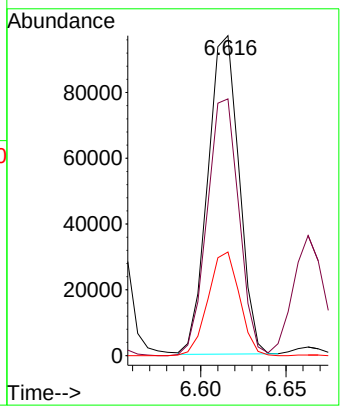


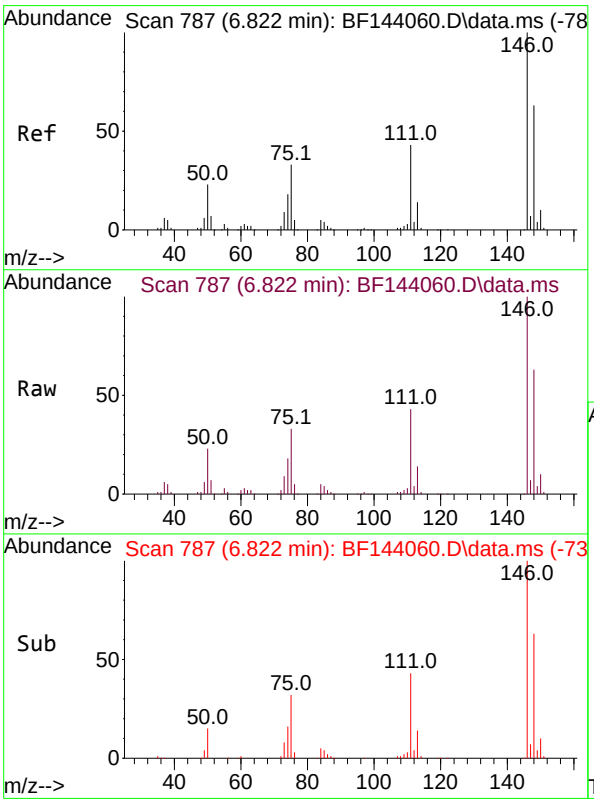
#11
bis(2-Chloroethyl)ether
Concen: 40.113 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

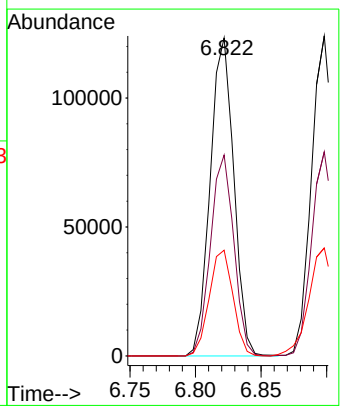


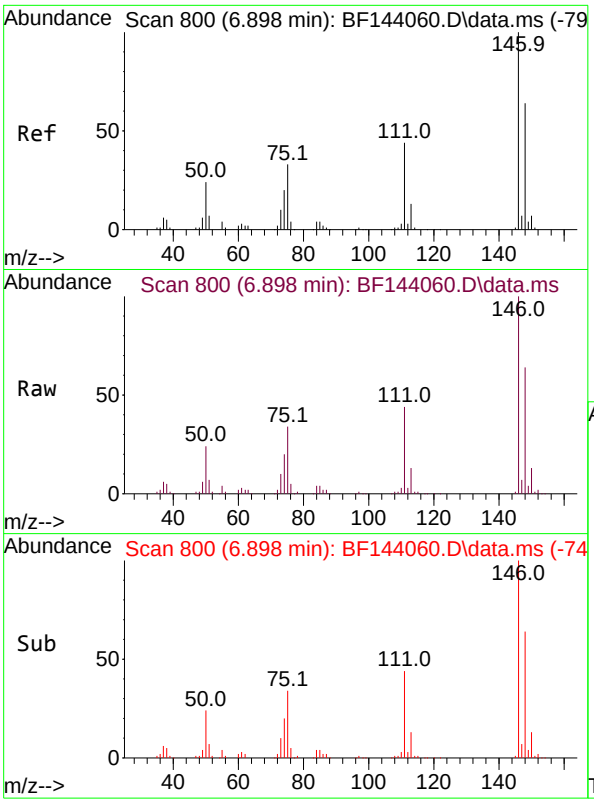


#12
1,3-Dichlorobenzene
Concen: 40.768 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



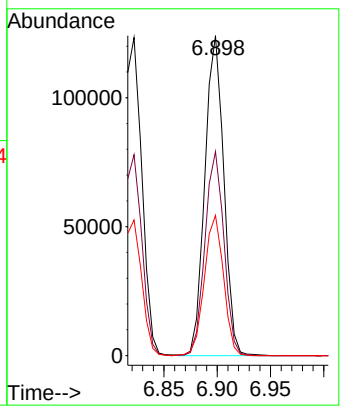


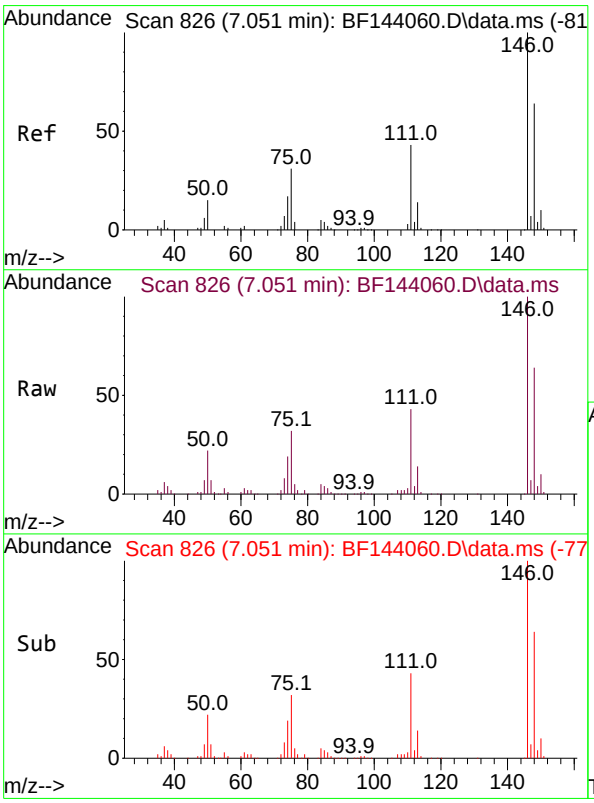
#13
1,4-Dichlorobenzene
Concen: 41.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

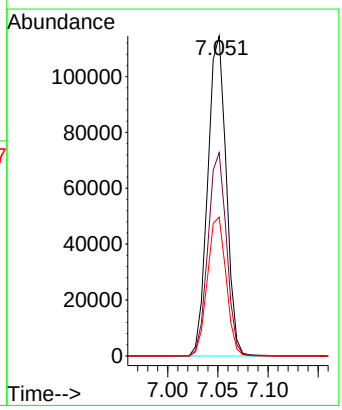


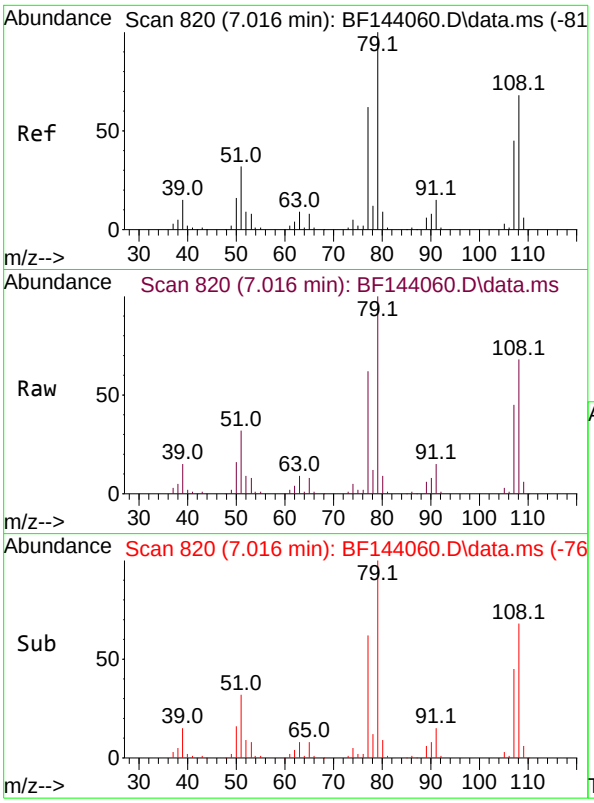


#14
1,2-Dichlorobenzene
Concen: 40.430 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



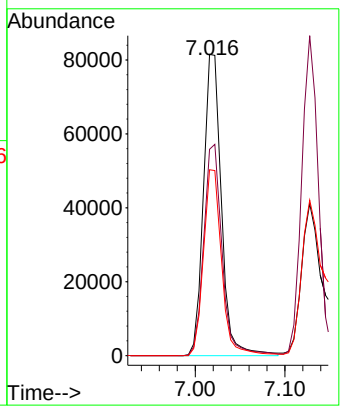


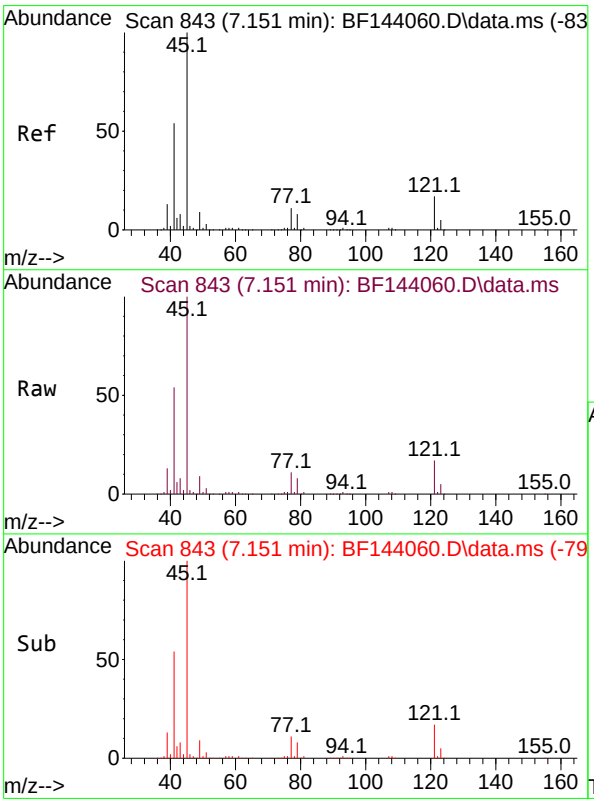
#15
Benzyl Alcohol
Concen: 40.340 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

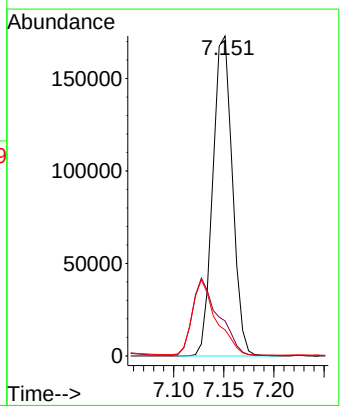


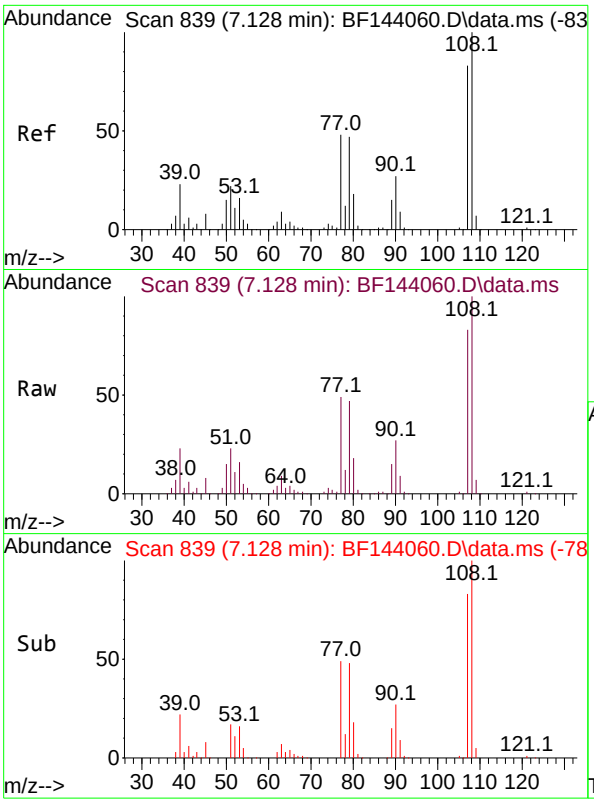


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.632 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



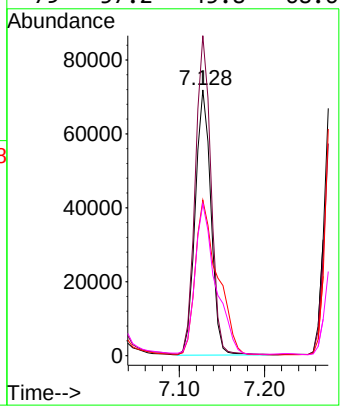


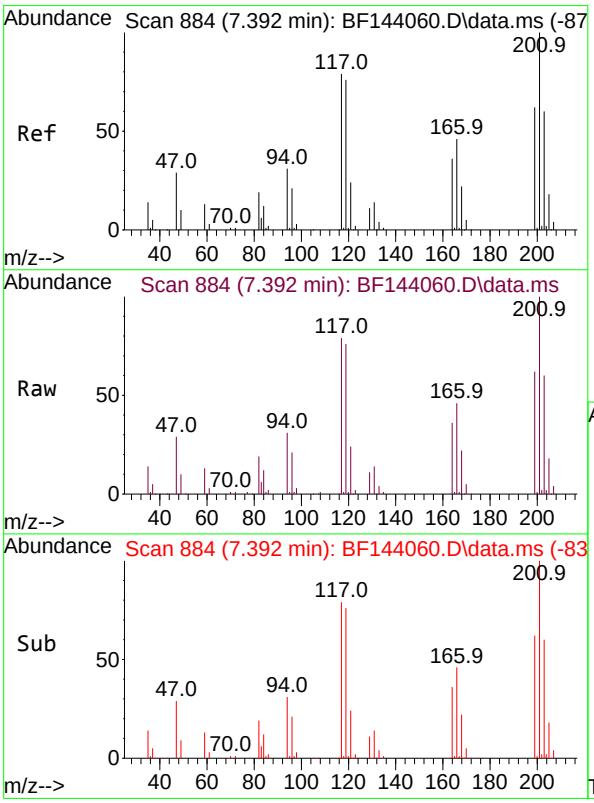
#17
2-Methylphenol
Concen: 38.877 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

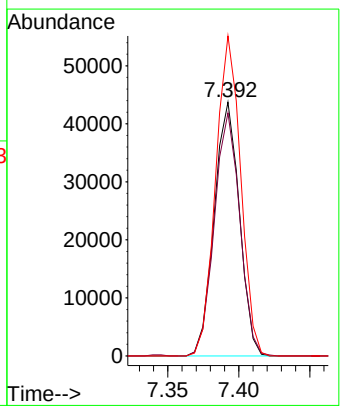


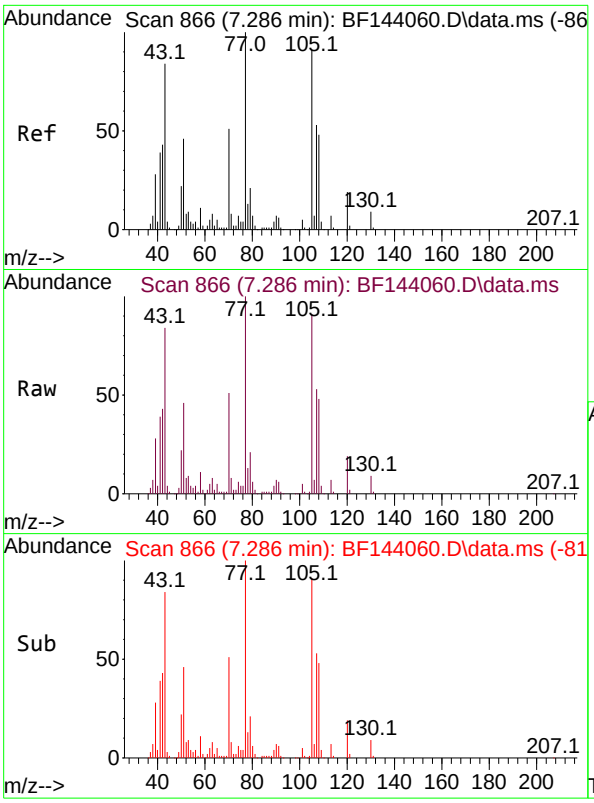


#18
Hexachloroethane
Concen: 40.236 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



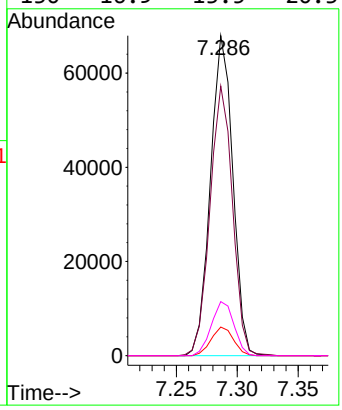


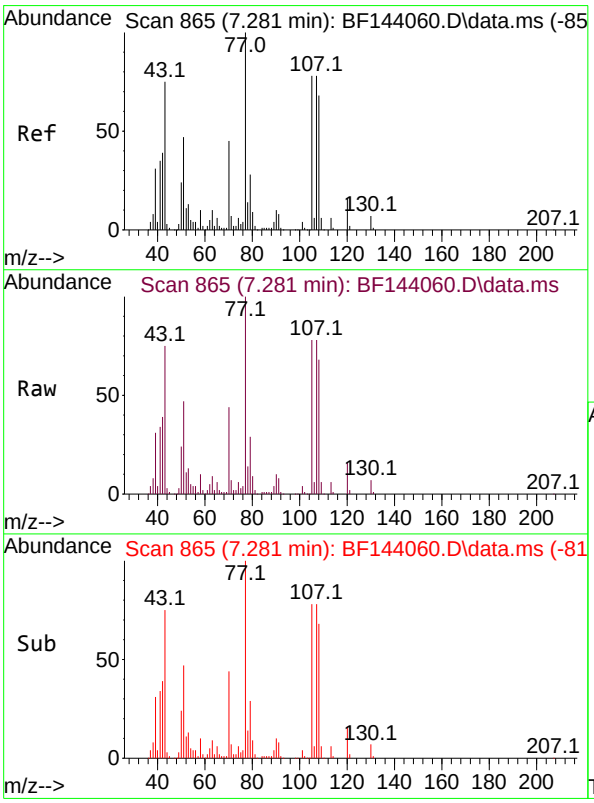
#19
n-Nitroso-di-n-propylamine
Concen: 38.823 ng
RT: 7.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

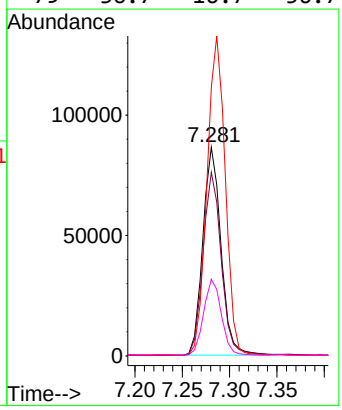


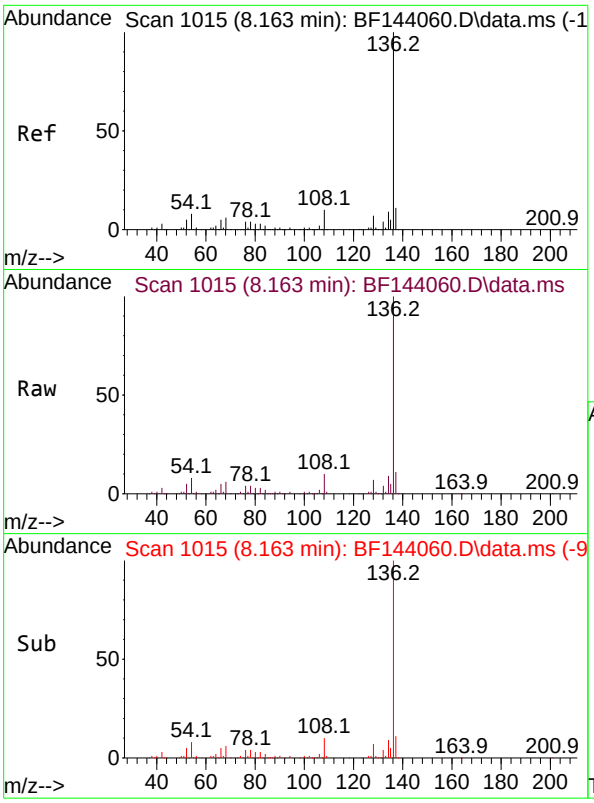


#20
3+4-Methylphenols
Concen: 41.255 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



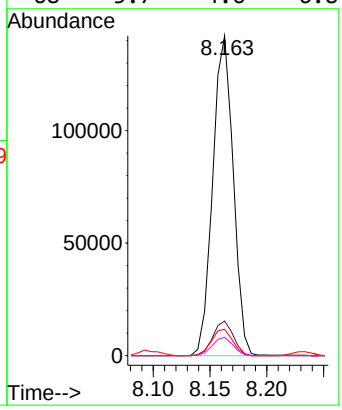


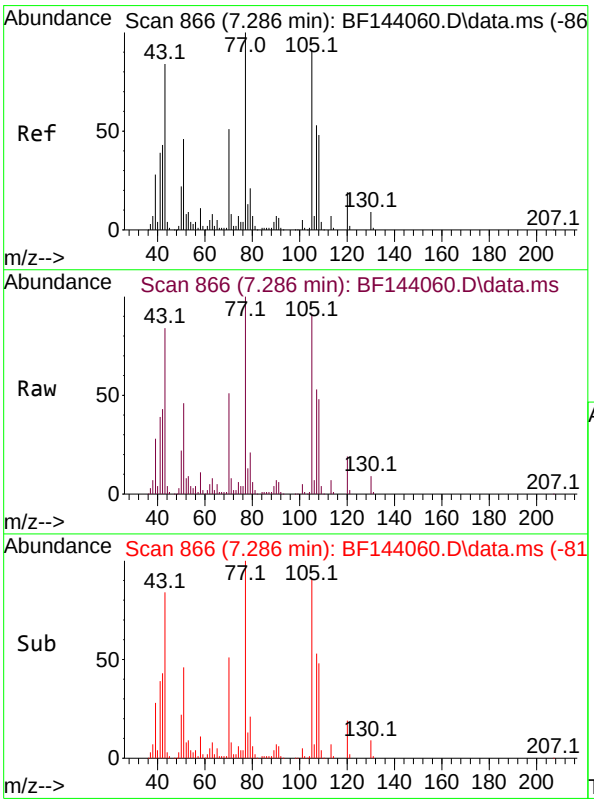
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

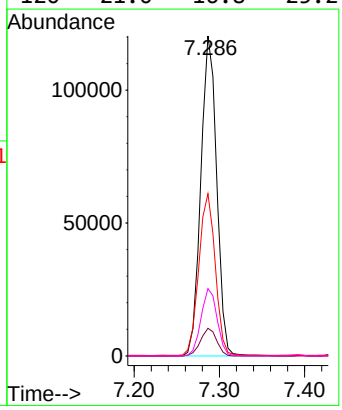


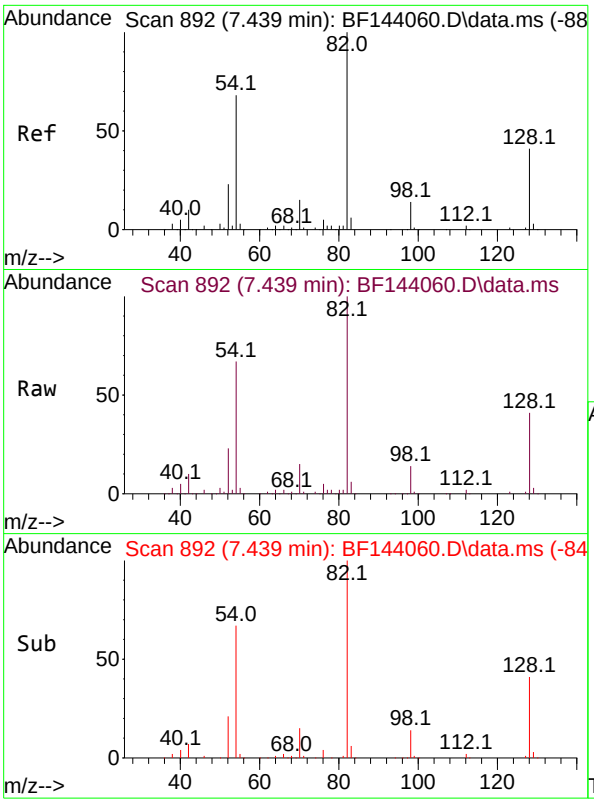


#22
Acetophenone
Concen: 40.399 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



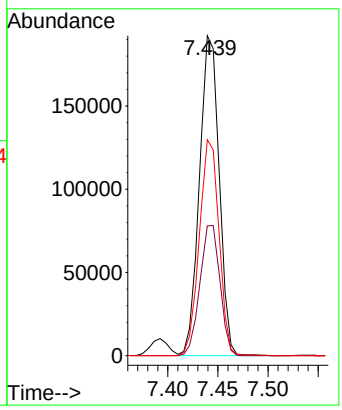


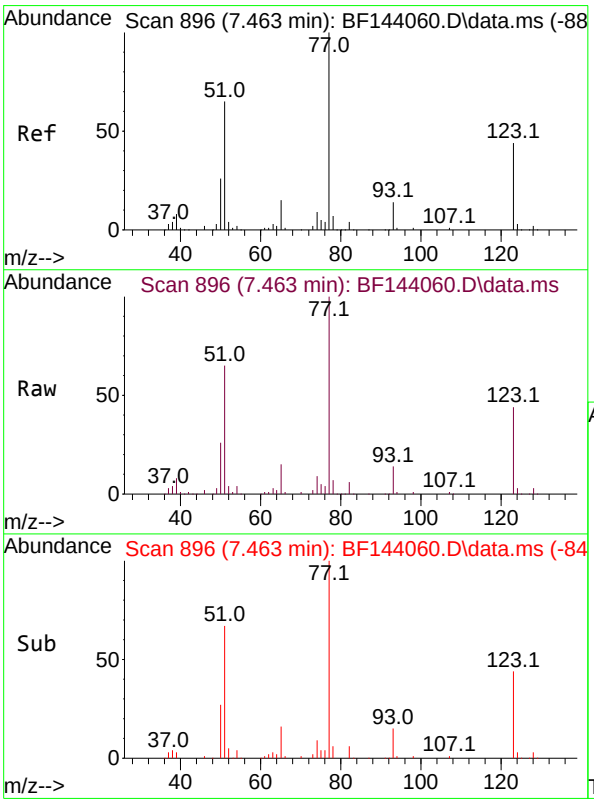
#23
Nitrobenzene-d5
Concen: 80.590 ng
RT: 7.439 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

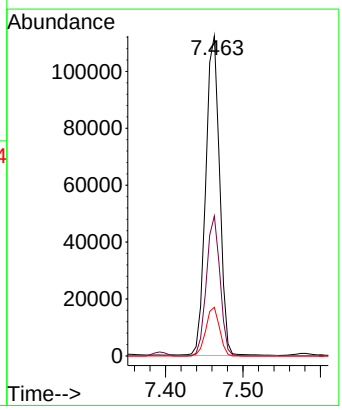


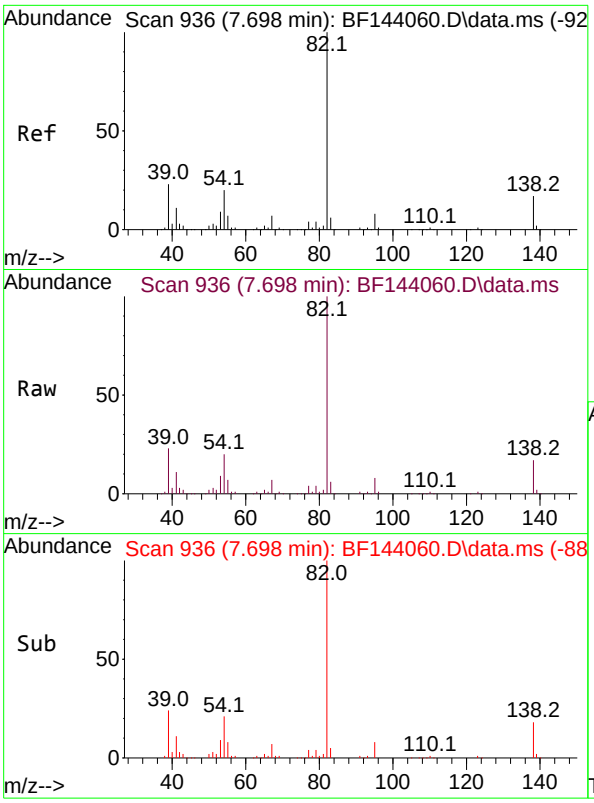


#24
Nitrobenzene
Concen: 40.596 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



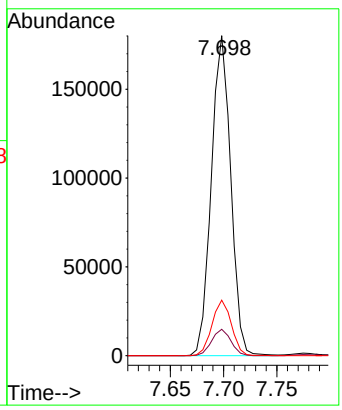


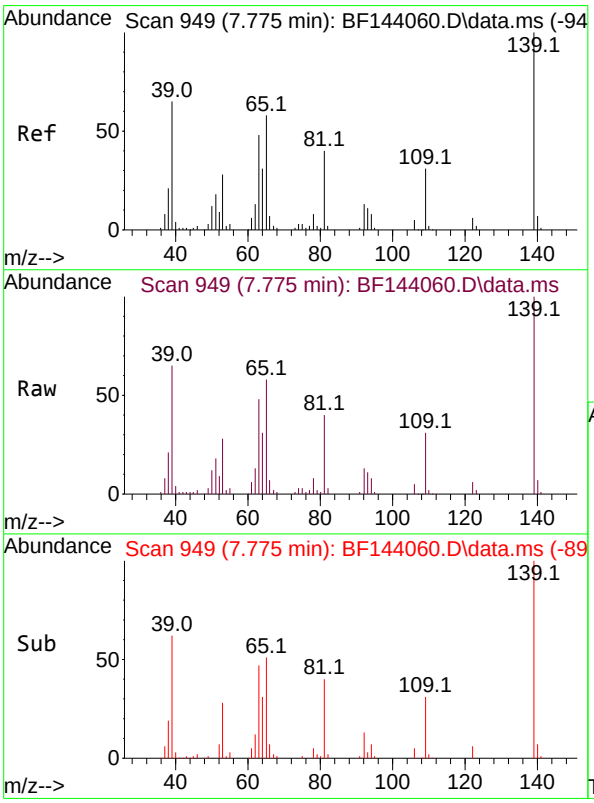
#25
Isophorone
Concen: 40.288 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

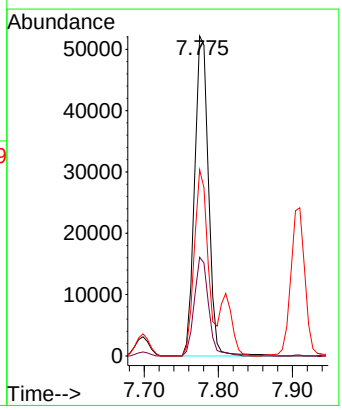


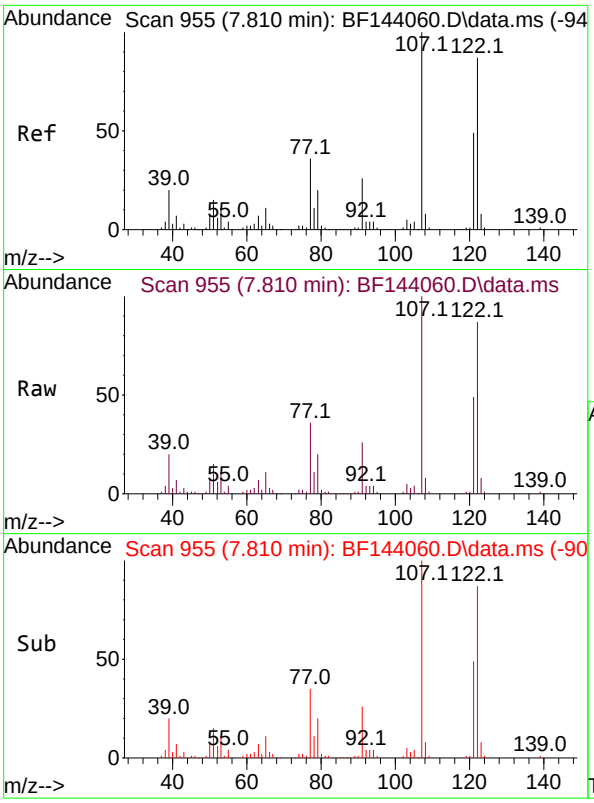


#26
2-Nitrophenol
Concen: 41.591 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



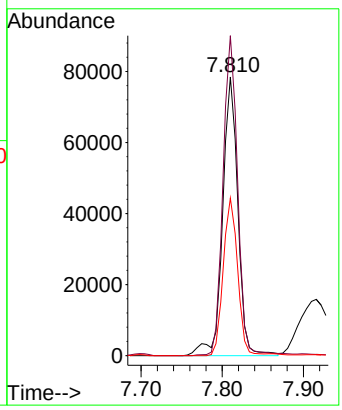


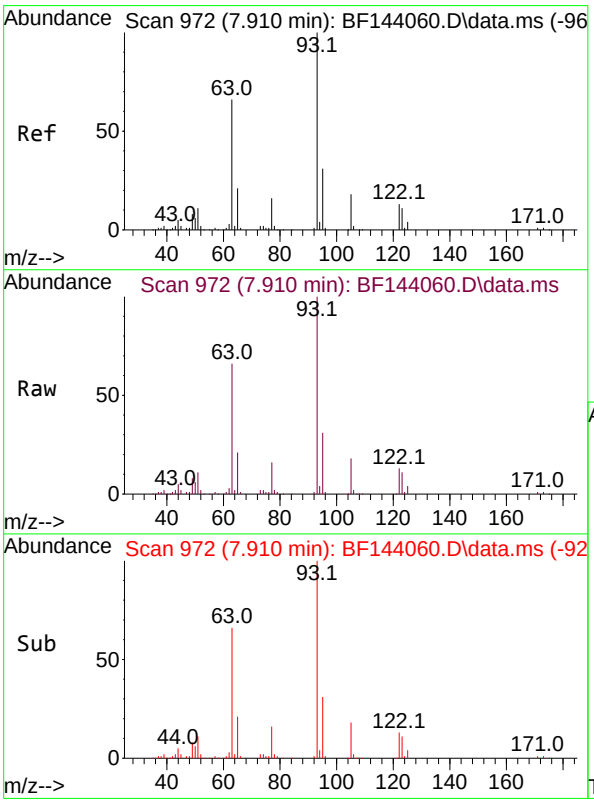
#27
2,4-Dimethylphenol
Concen: 42.049 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

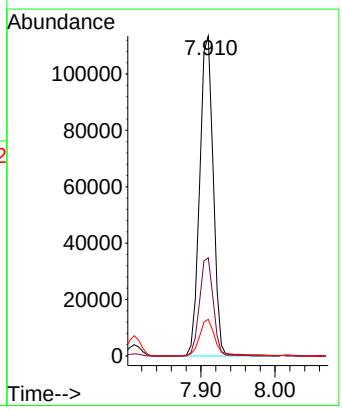


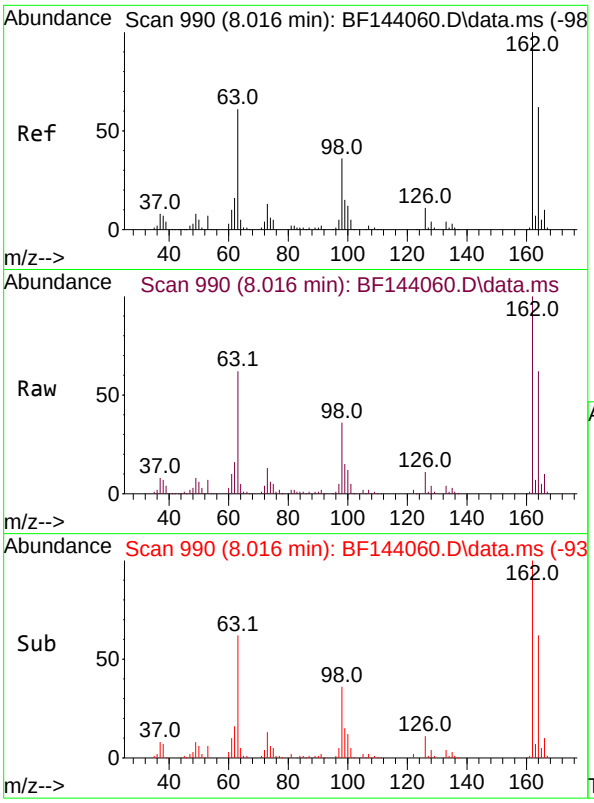


#28
bis(2-Chloroethoxy)methane
Concen: 40.631 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



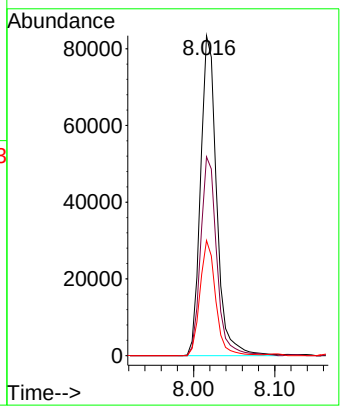


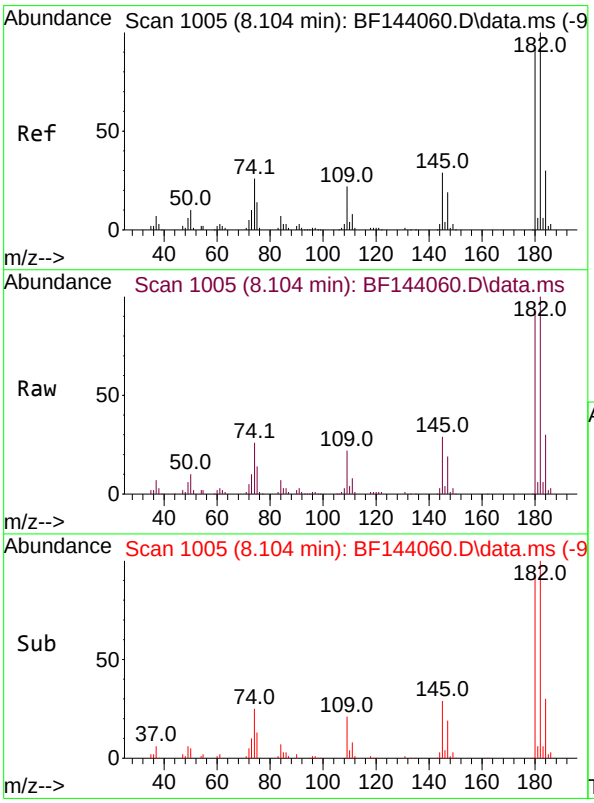
#29
2,4-Dichlorophenol
Concen: 40.677 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

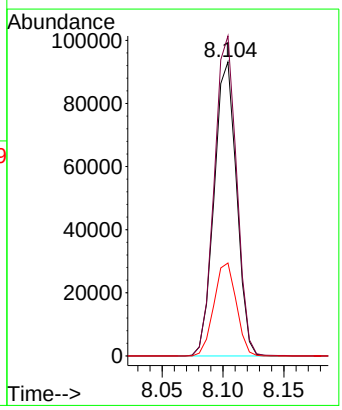


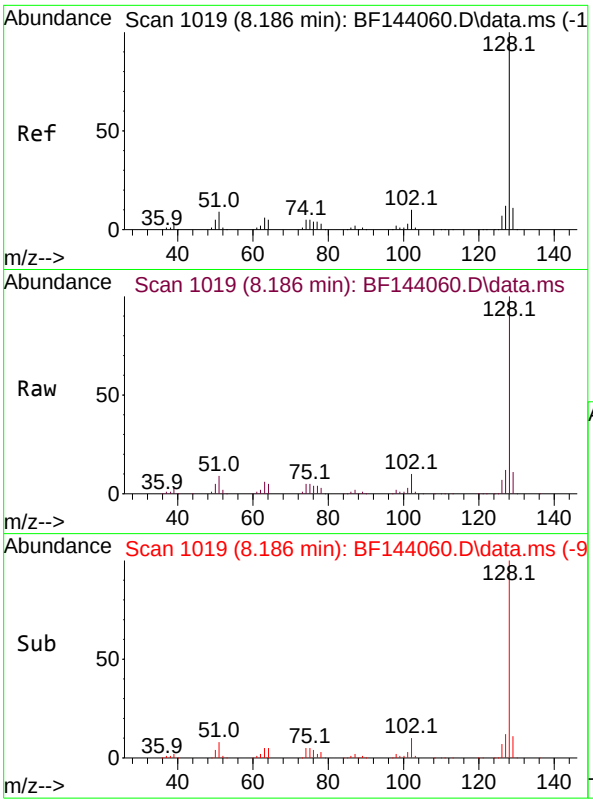


#30
1,2,4-Trichlorobenzene
Concen: 40.971 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



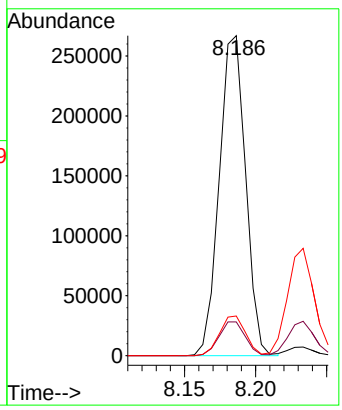


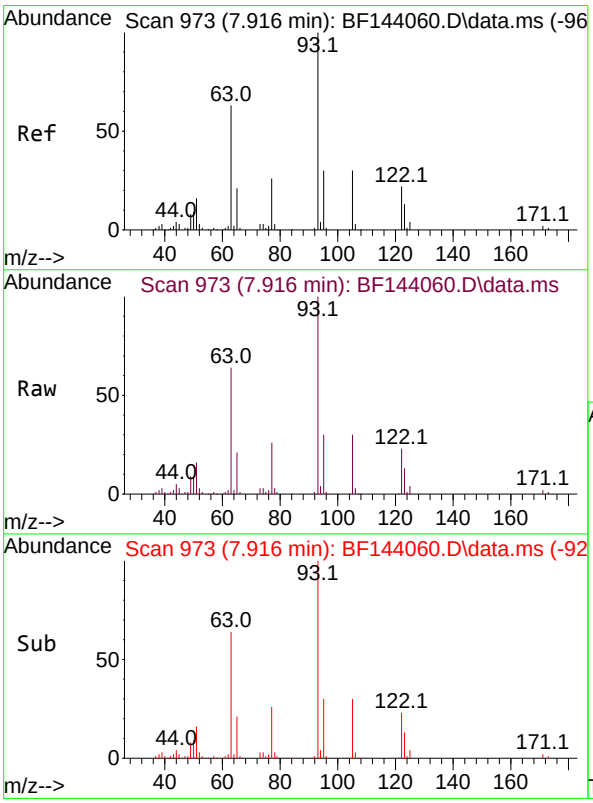
#31
Naphthalene
Concen: 40.910 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

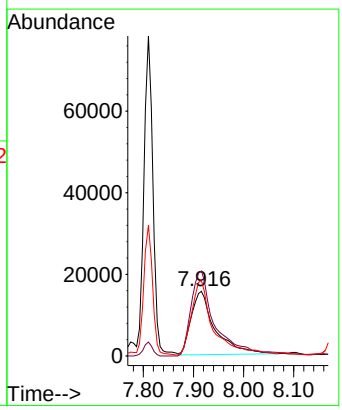


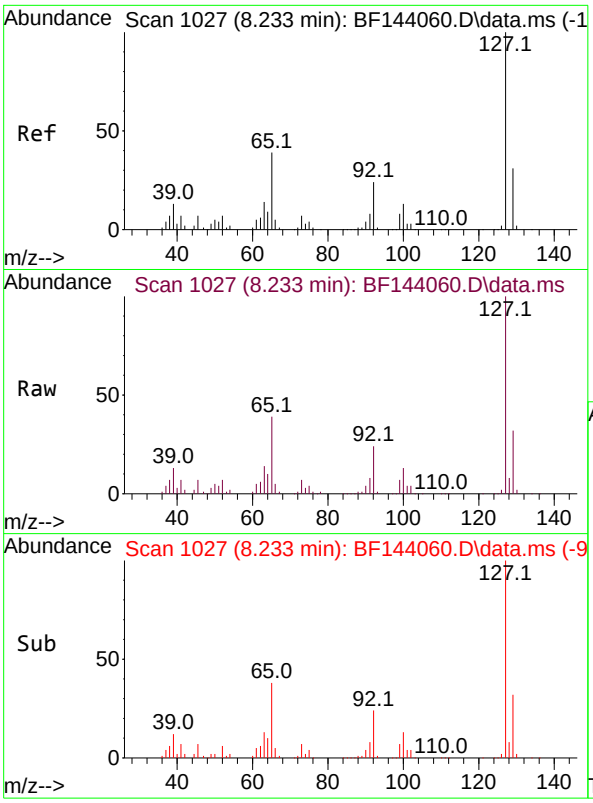


#32
Benzoic acid
Concen: 33.628 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



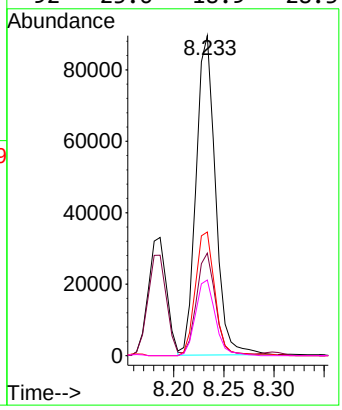


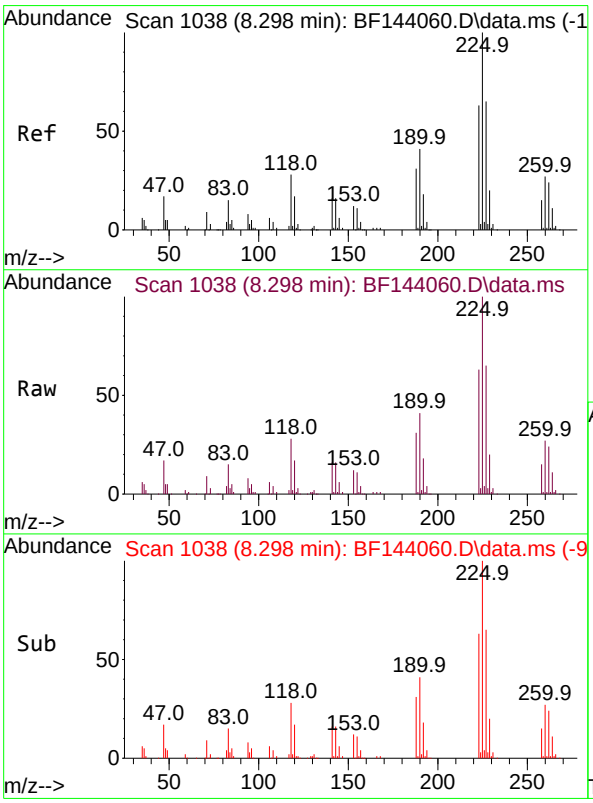
#33
4-Chloroaniline
Concen: 40.949 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

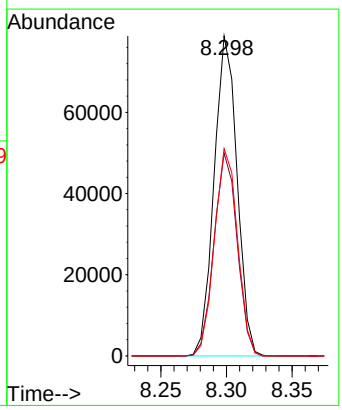


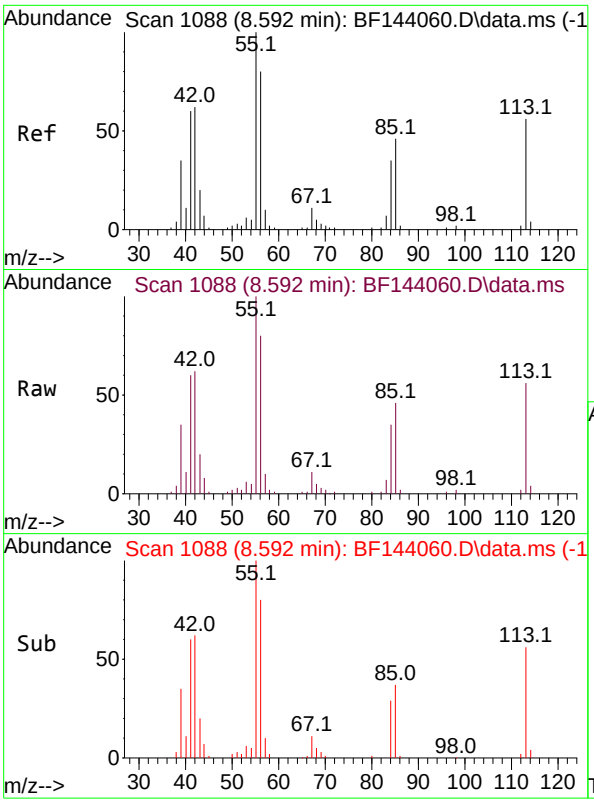


#34
Hexachlorobutadiene
Concen: 40.380 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



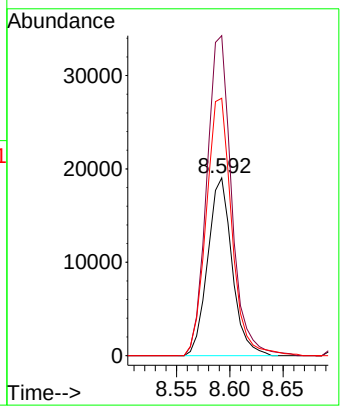


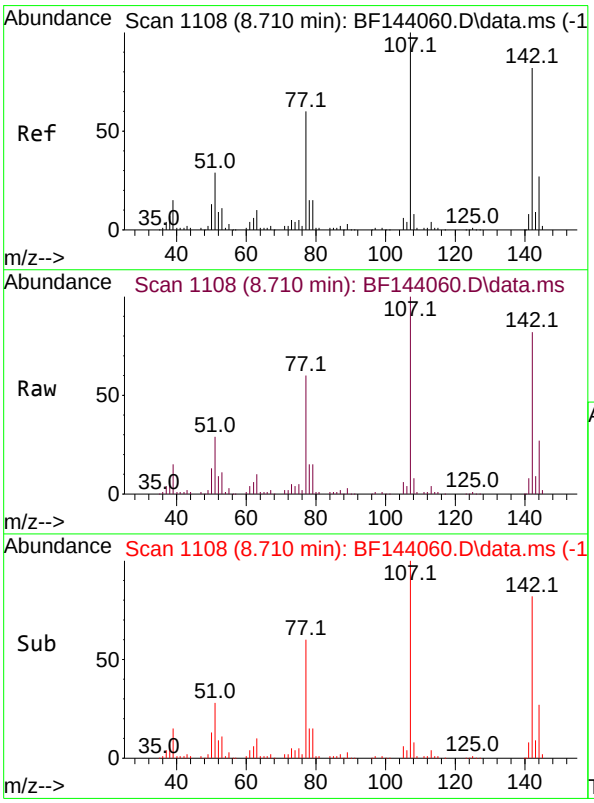
#35
Caprolactam
Concen: 42.585 ng
RT: 8.592 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

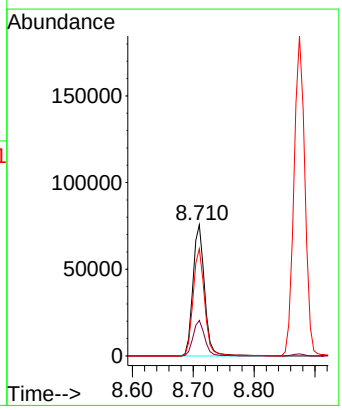


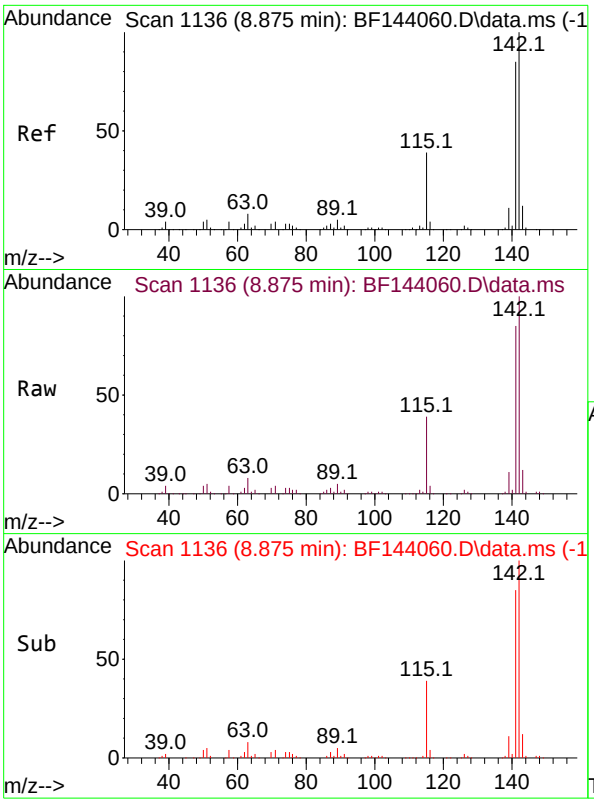


#36
4-Chloro-3-methylphenol
Concen: 40.234 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



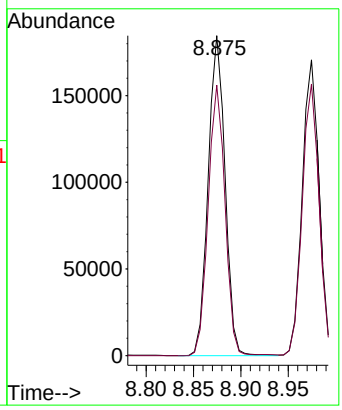


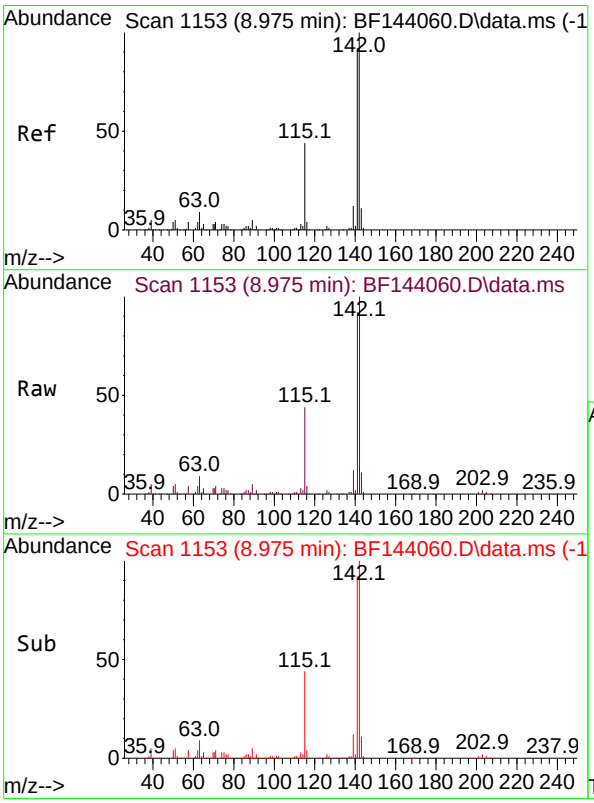
#37
2-Methylnaphthalene
Concen: 41.362 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 229345

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4

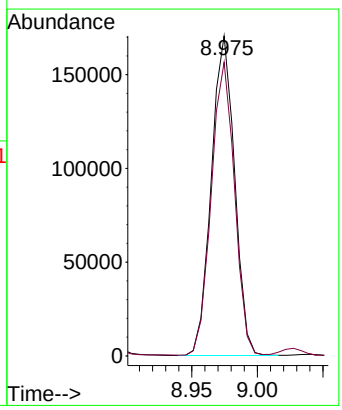


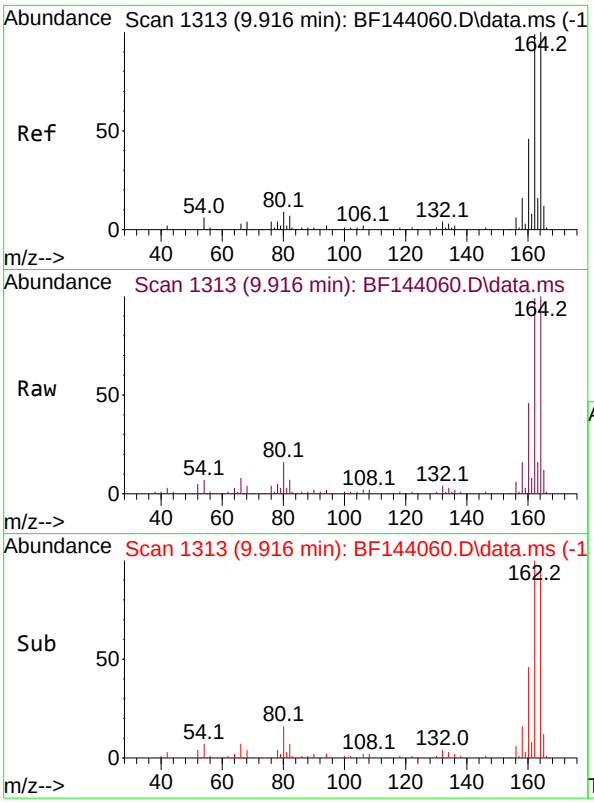


#38
1-Methylnaphthalene
Concen: 40.062 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:142 Resp: 210460

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2



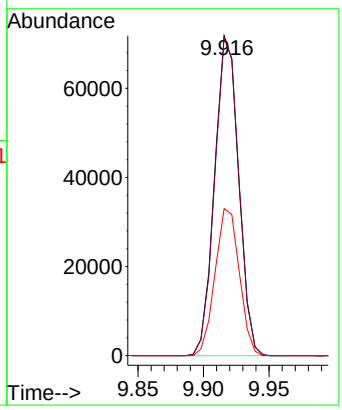


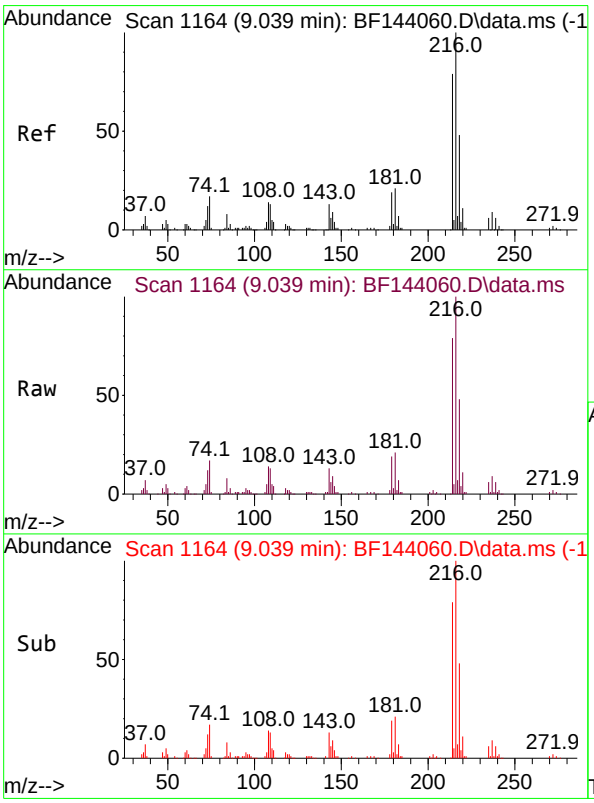
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

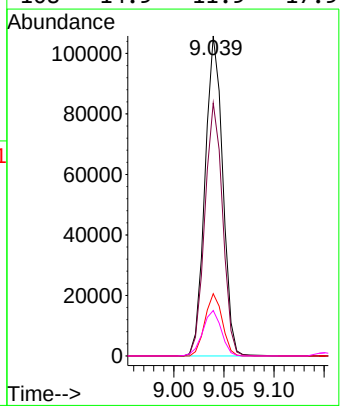


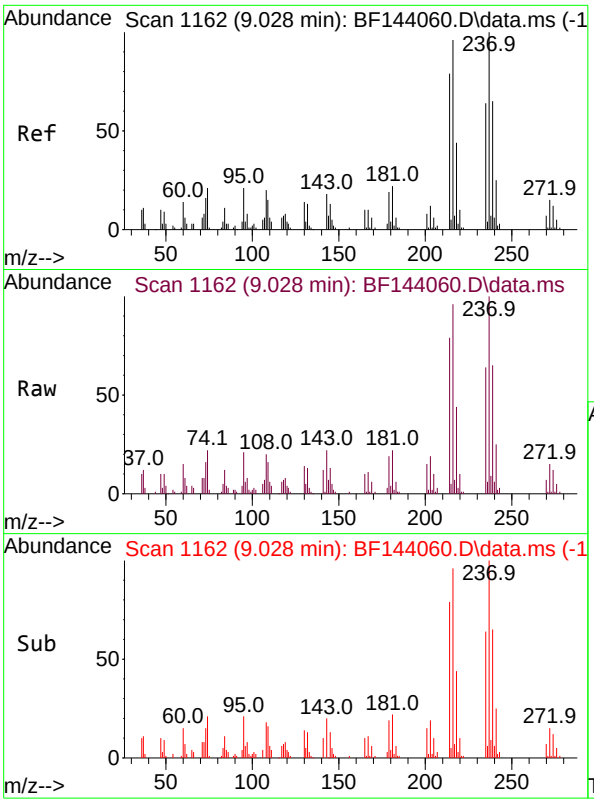


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.130 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



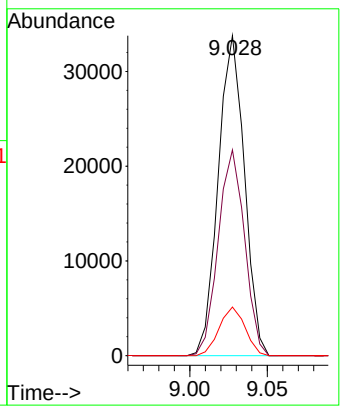


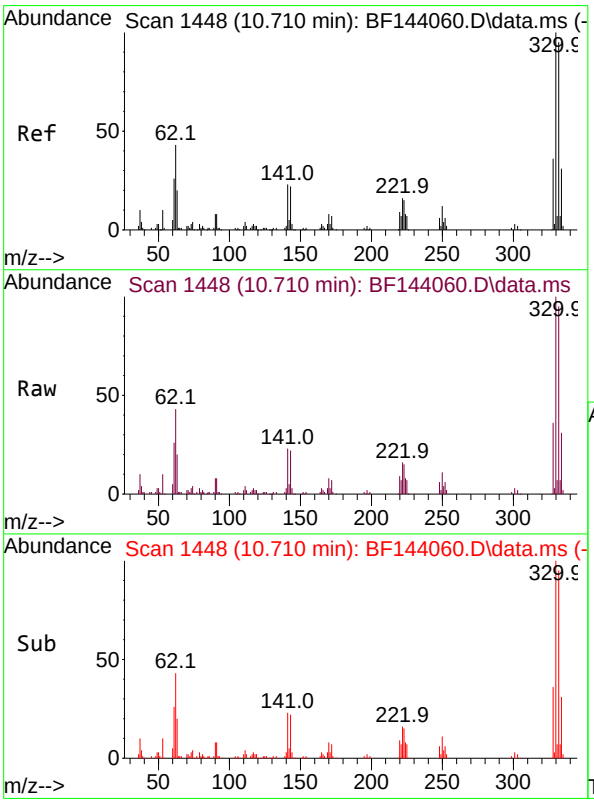
#41
Hexachlorocyclopentadiene
Concen: 41.012 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

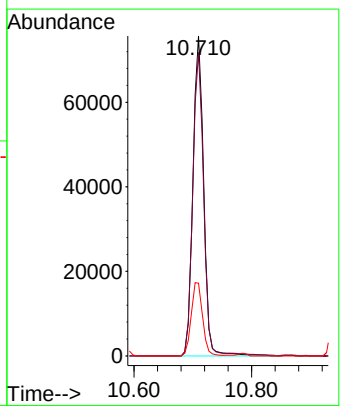


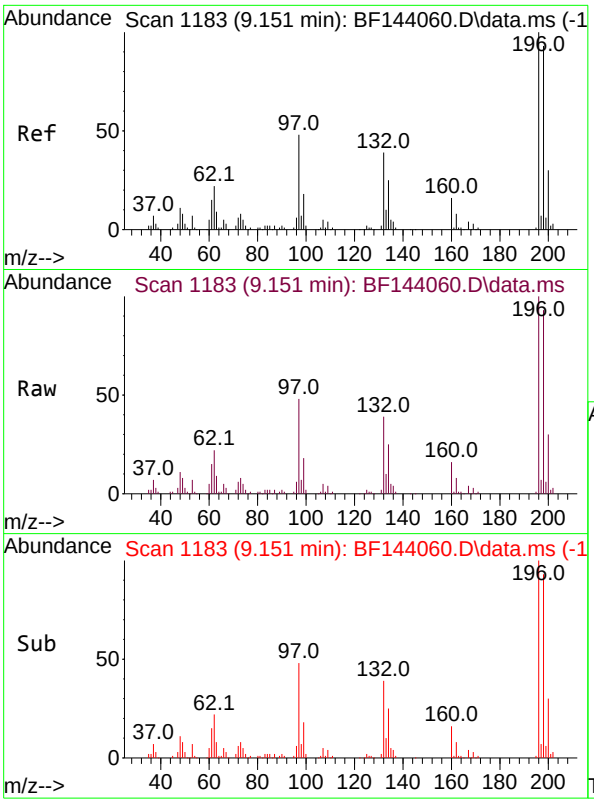


#42
2,4,6-Tribromophenol
Concen: 82.238 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



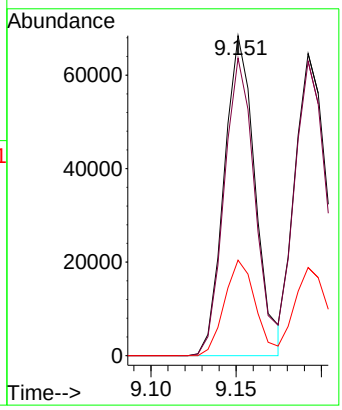


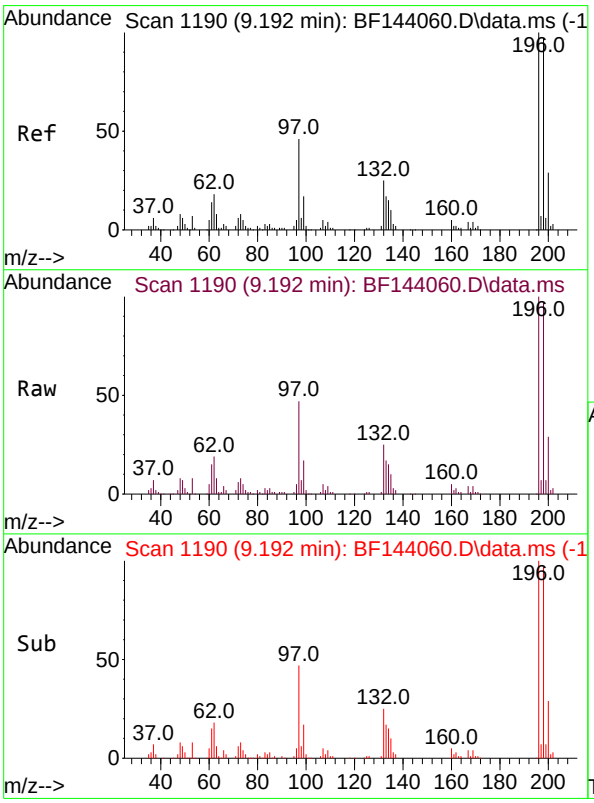
#43
2,4,6-Trichlorophenol
Concen: 42.346 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

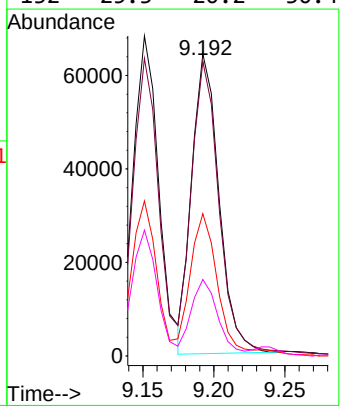


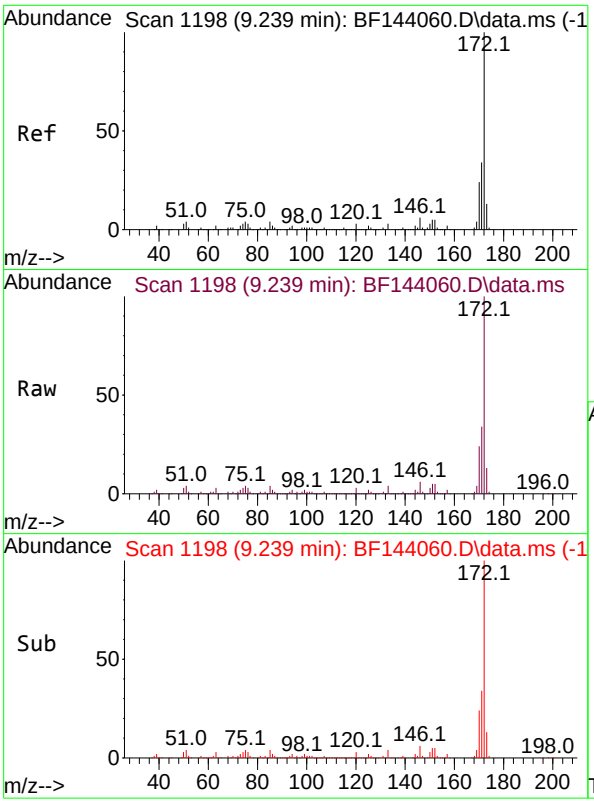


#44
2,4,5-Trichlorophenol
Concen: 39.842 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



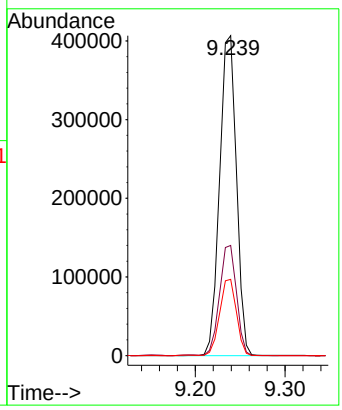


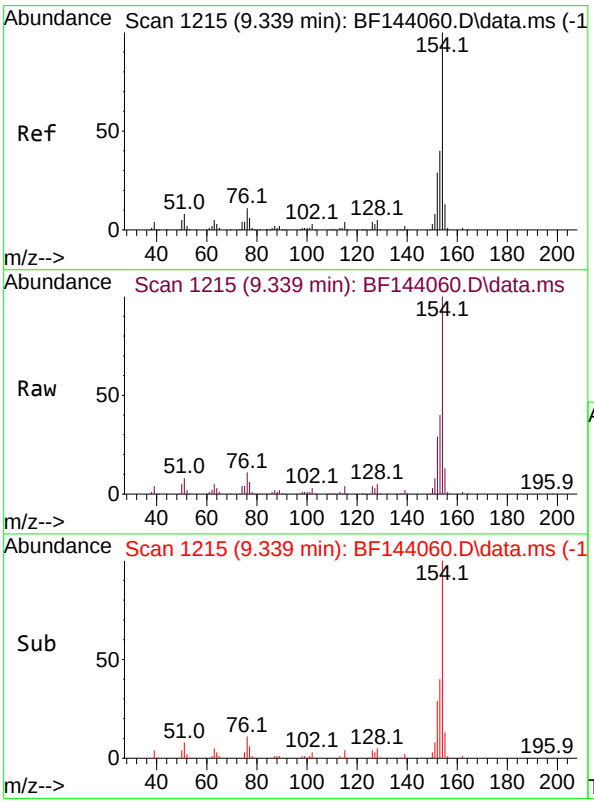
#45
2-Fluorobiphenyl
Concen: 81.692 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

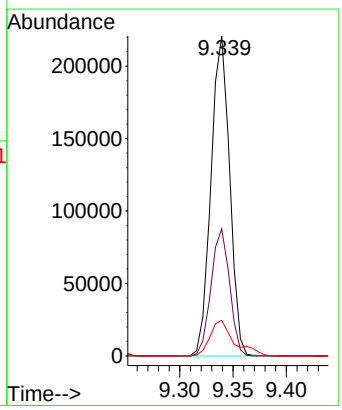


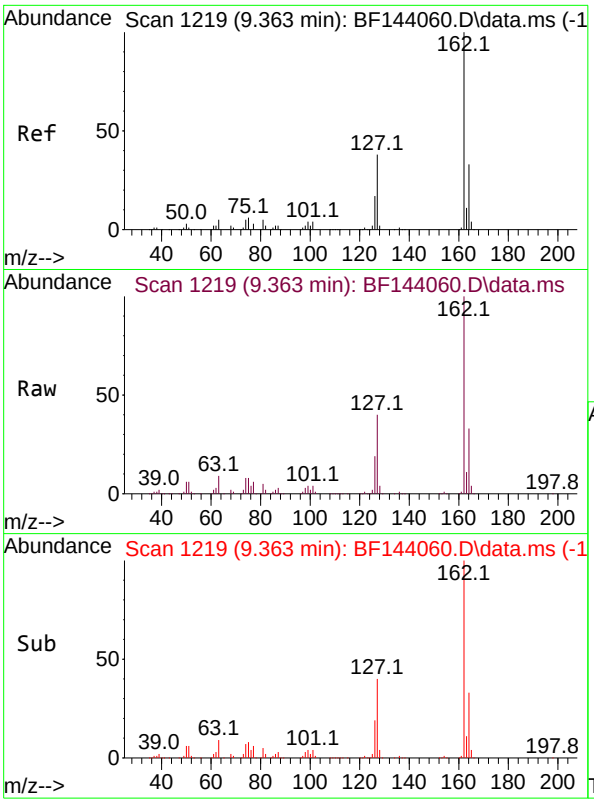


#46
1,1'-Biphenyl
Concen: 41.129 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



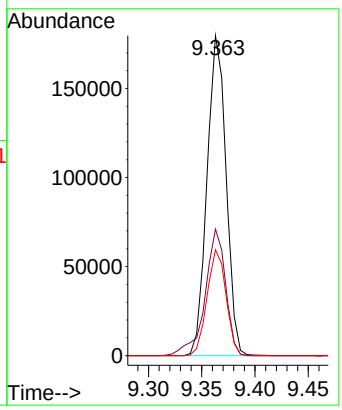


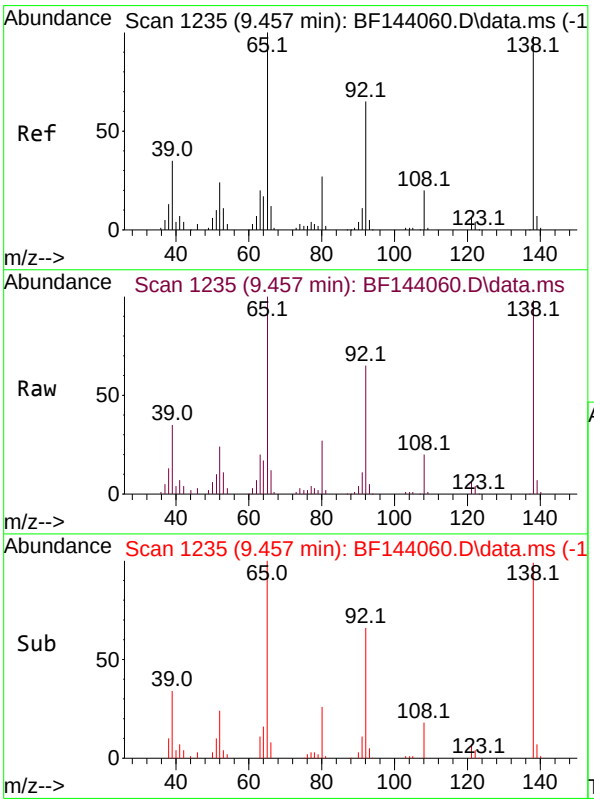
#47
2-Chloronaphthalene
Concen: 40.753 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

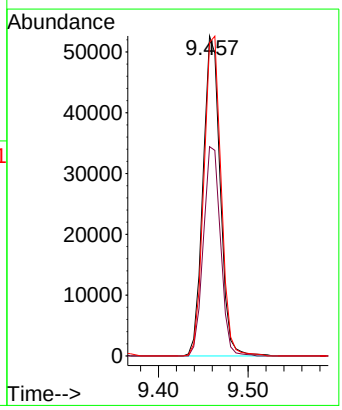


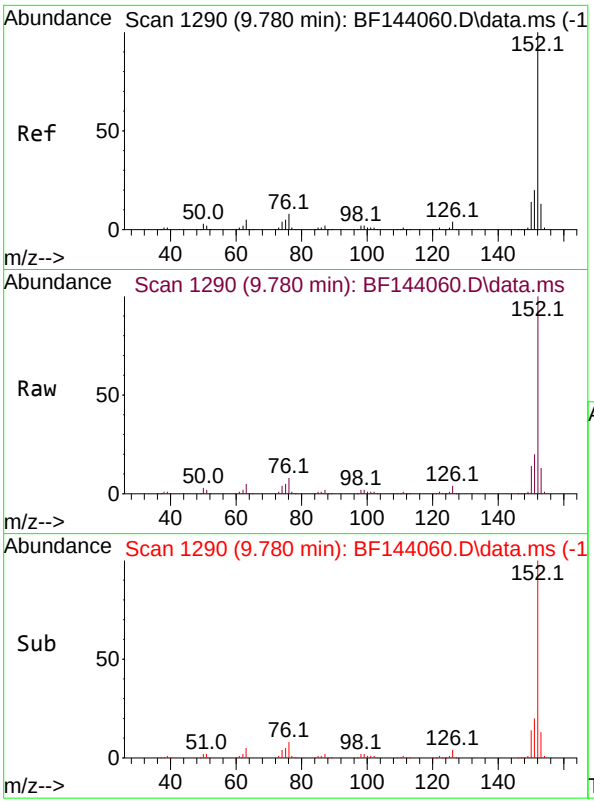


#48
2-Nitroaniline
Concen: 42.711 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



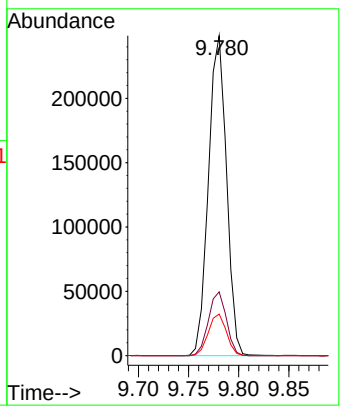


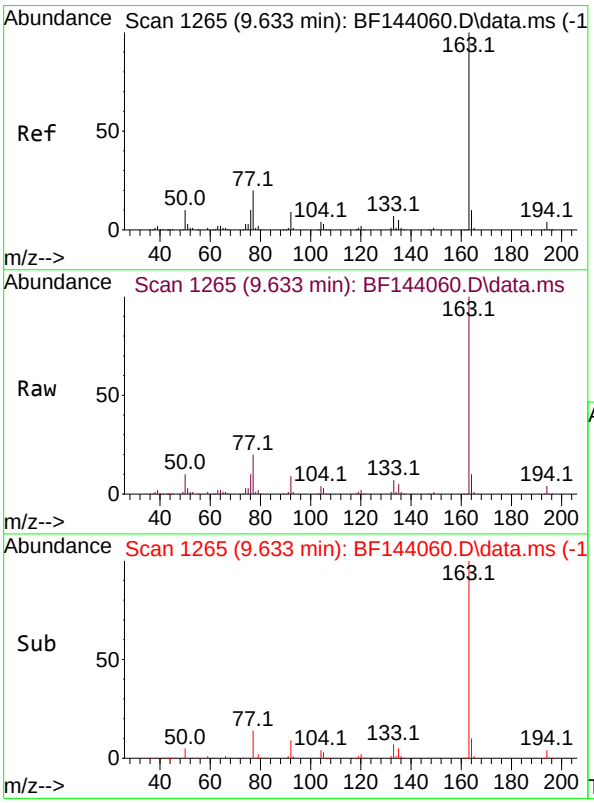
#49
Acenaphthylene
Concen: 42.112 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

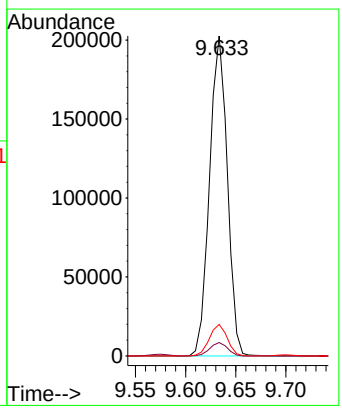


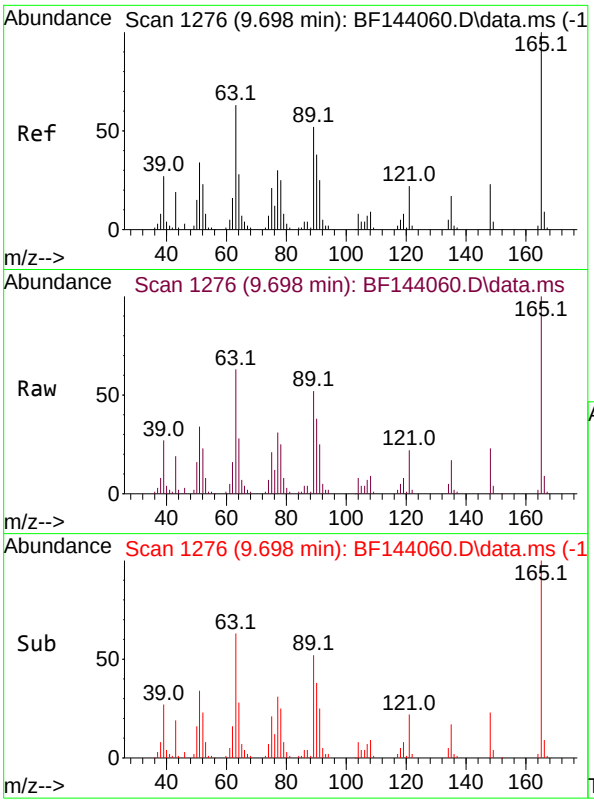


#50
Dimethylphthalate
Concen: 41.666 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



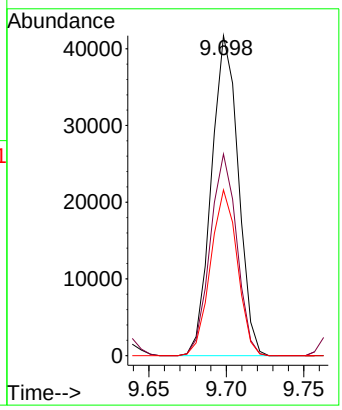


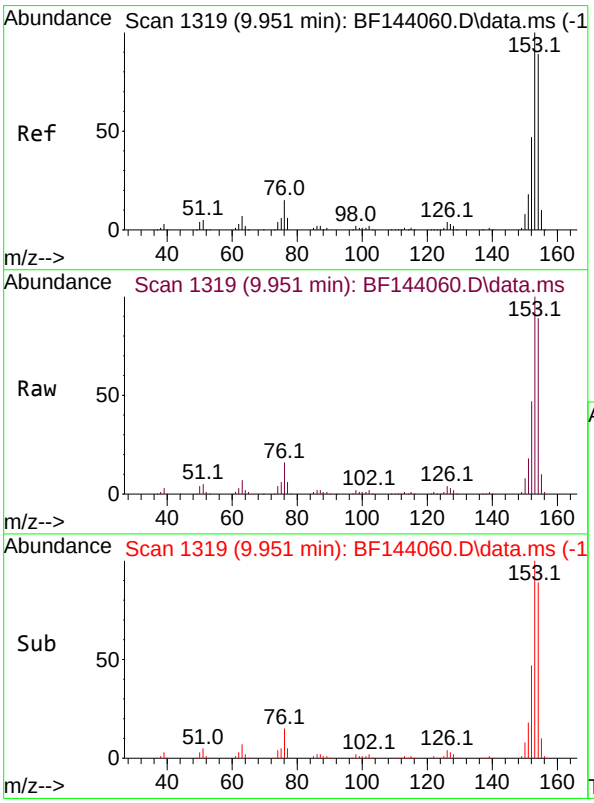
#51
2,6-Dinitrotoluene
Concen: 42.535 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

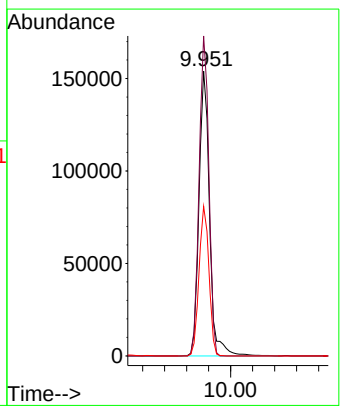


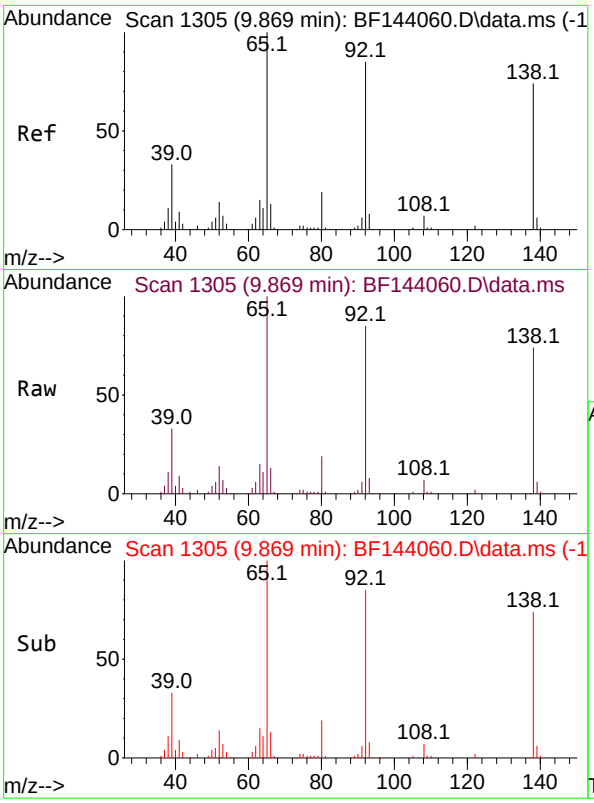


#52
Acenaphthene
Concen: 41.240 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



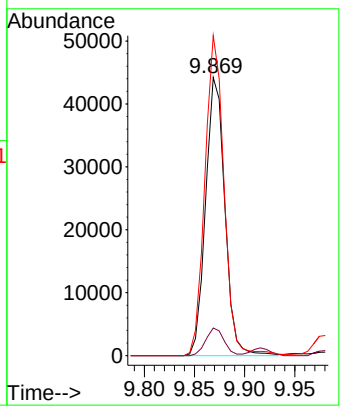


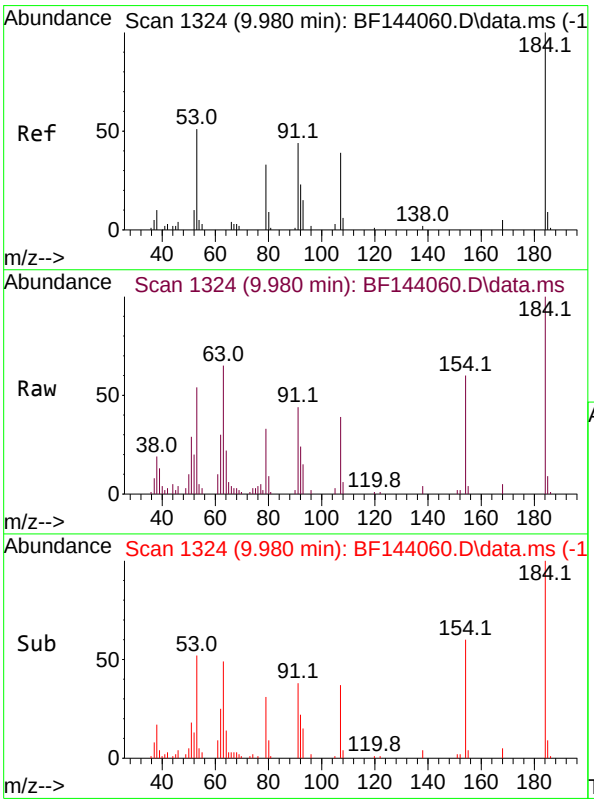
#53
3-Nitroaniline
Concen: 44.713 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

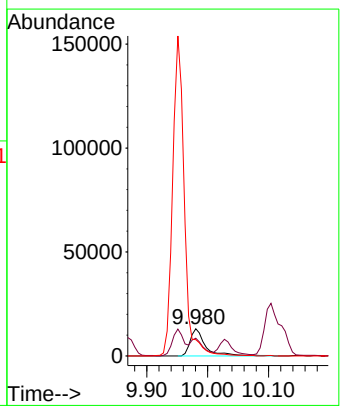


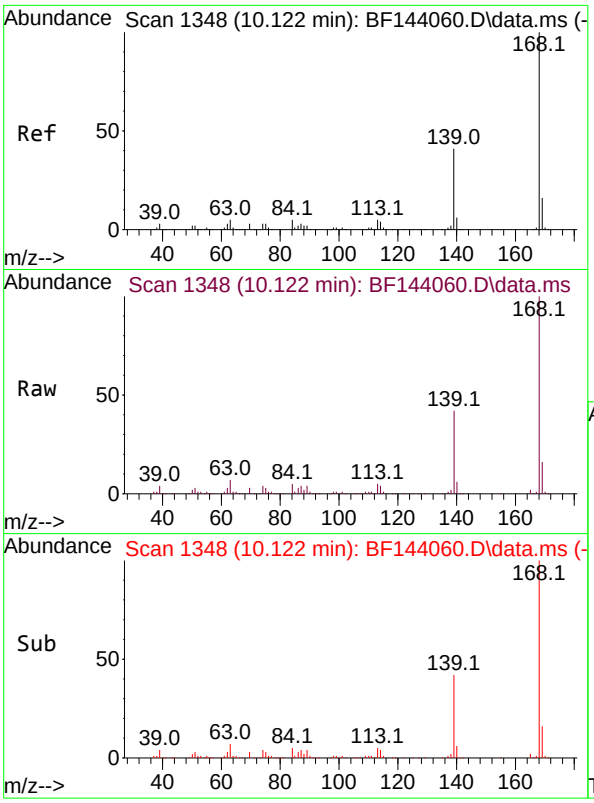


#54
2,4-Dinitrophenol
Concen: 35.283 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



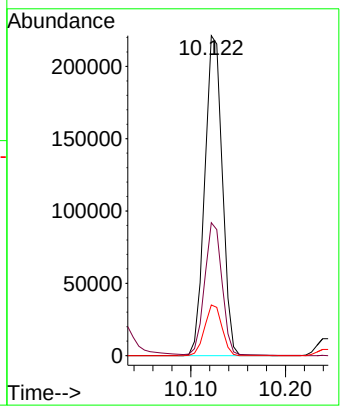


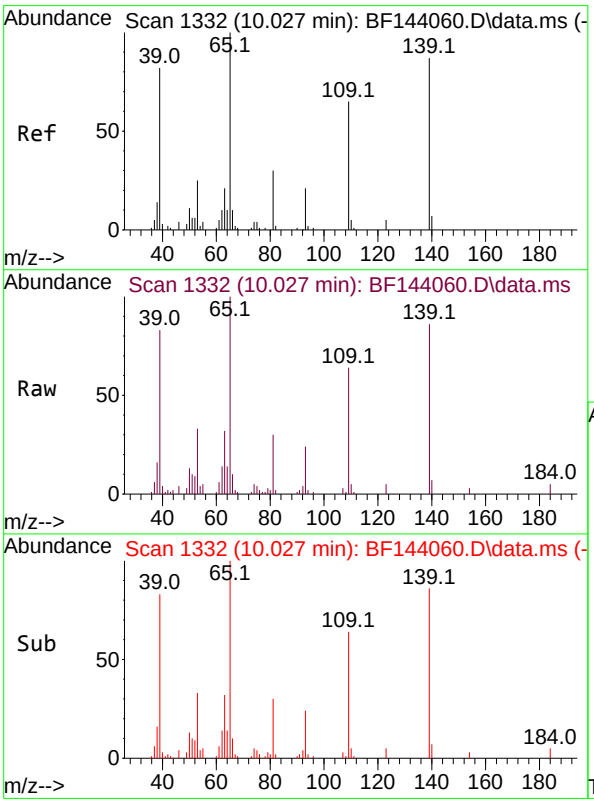
#55
Dibenzofuran
Concen: 41.592 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

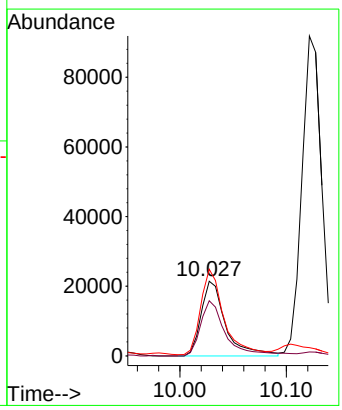


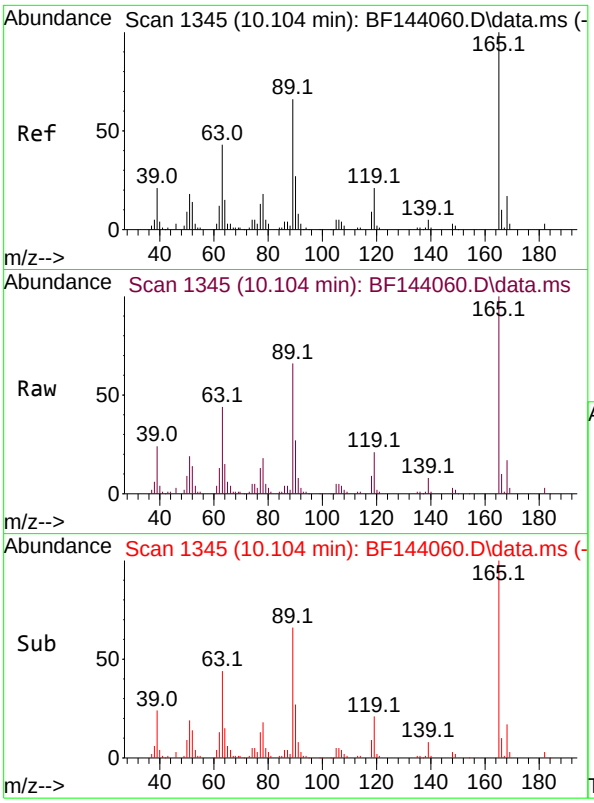


#56
4-Nitrophenol
Concen: 38.279 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



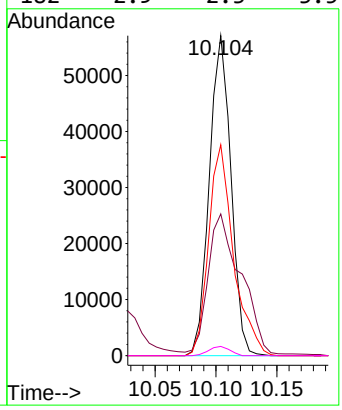


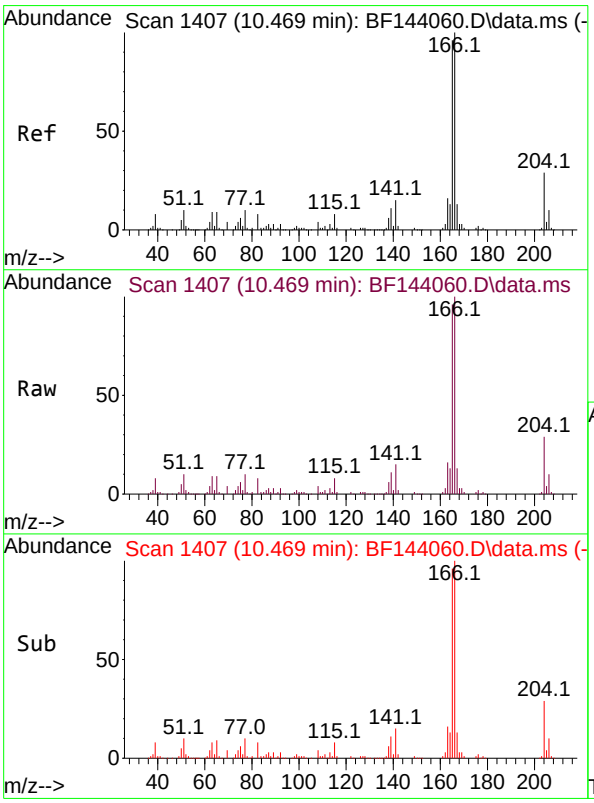
#57
2,4-Dinitrotoluene
Concen: 44.075 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

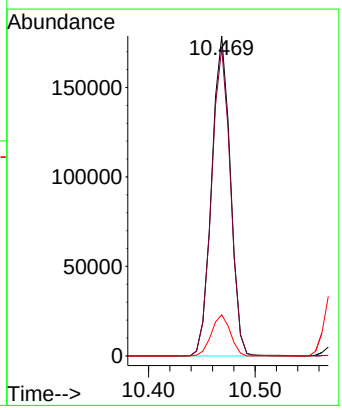


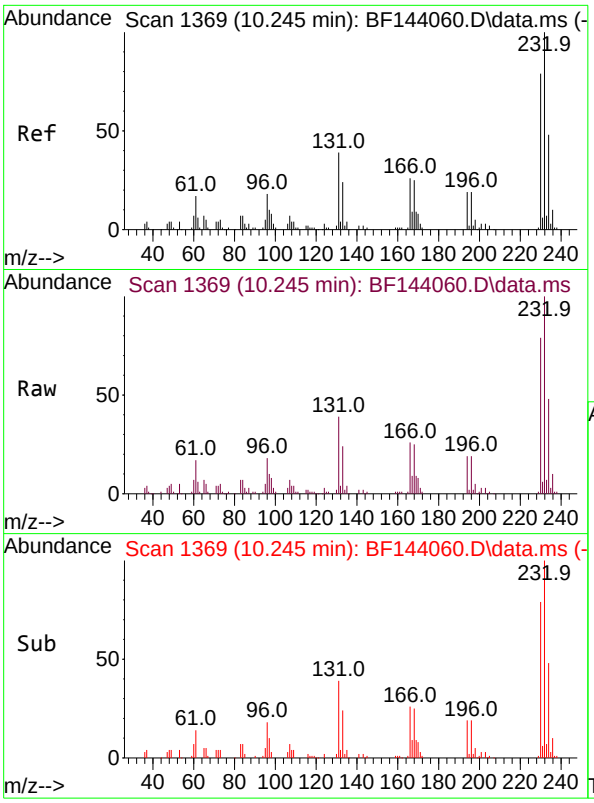


#58
Fluorene
Concen: 41.604 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



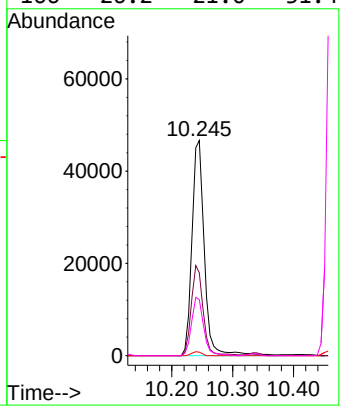


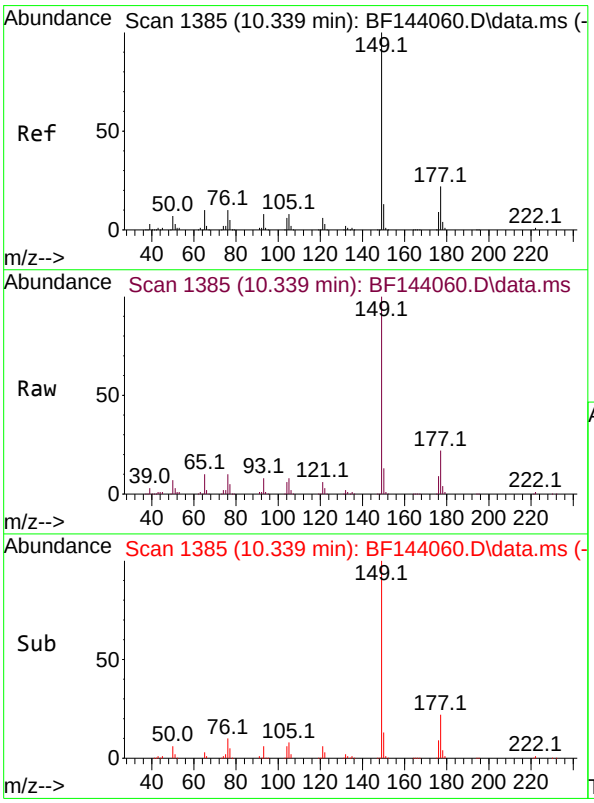
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.585 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

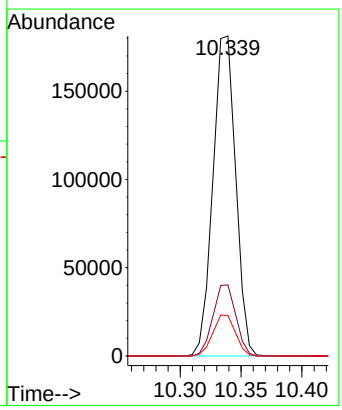


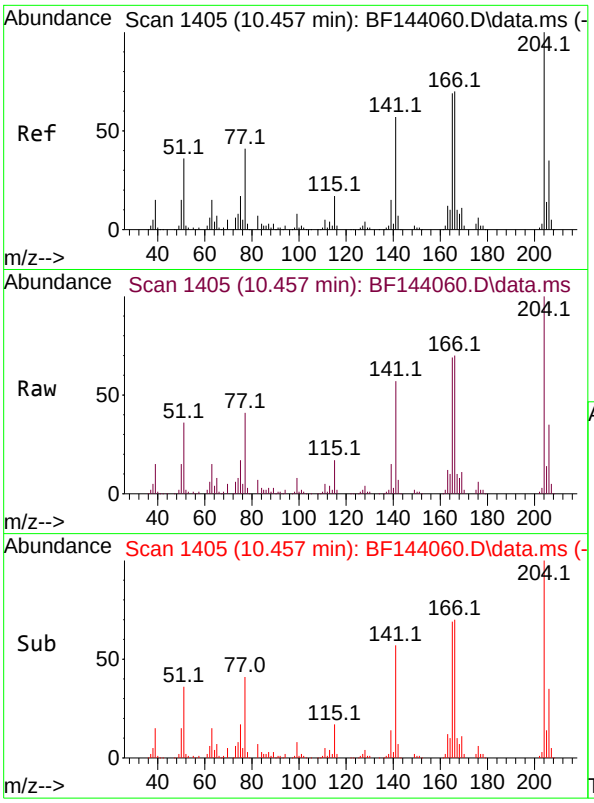


#60
Diethylphthalate
Concen: 41.838 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



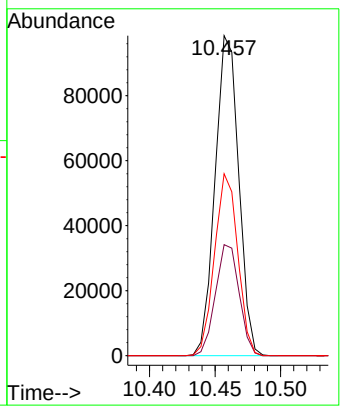


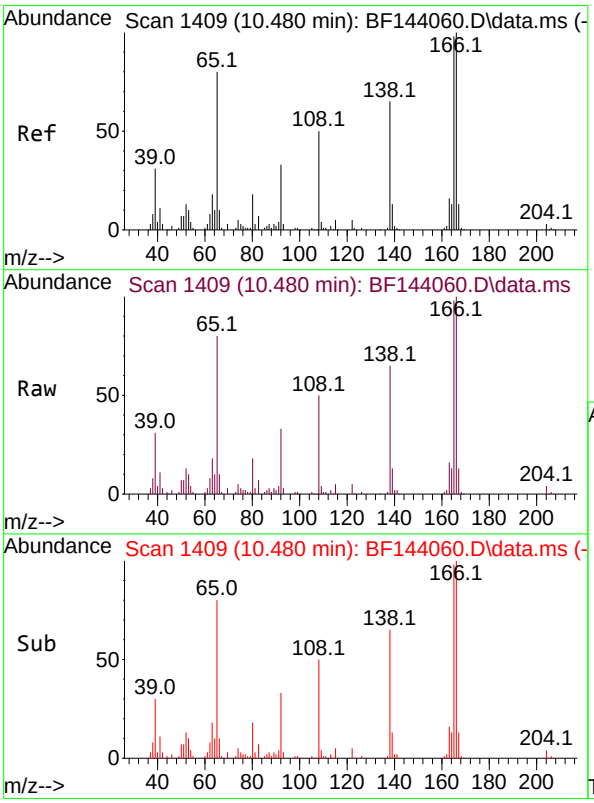
#61
4-Chlorophenyl-phenylether
Concen: 42.022 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

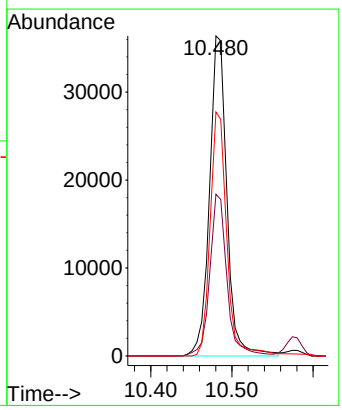


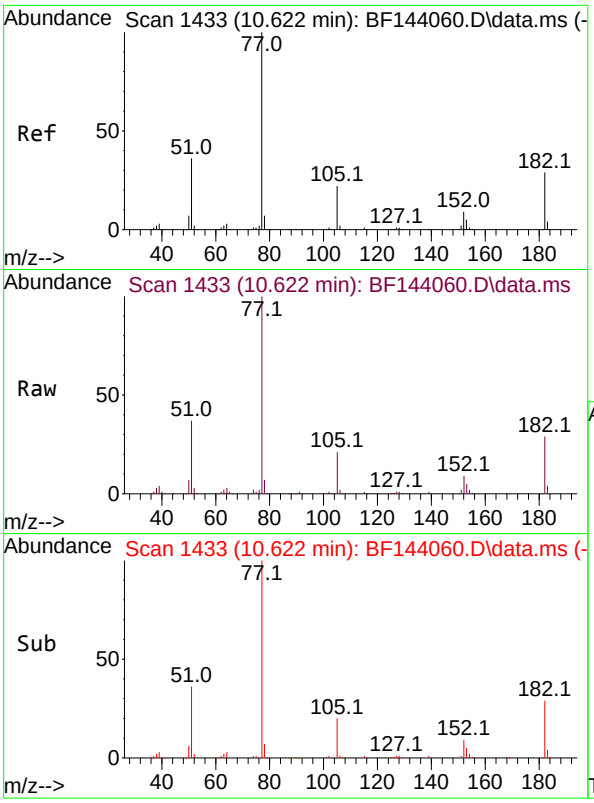


#62
4-Nitroaniline
Concen: 43.392 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



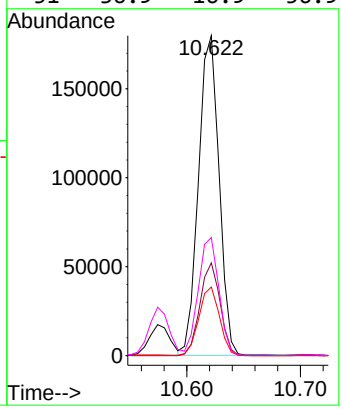


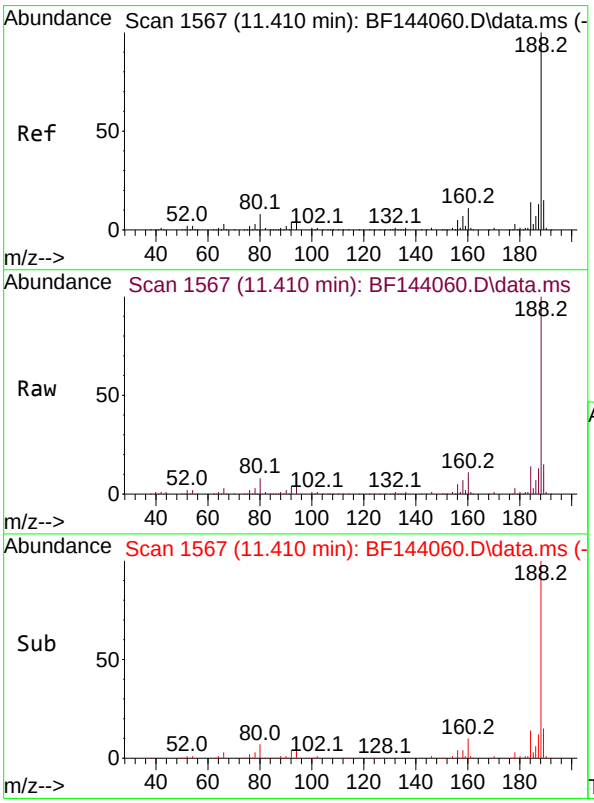
#63
Azobenzene
Concen: 42.381 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

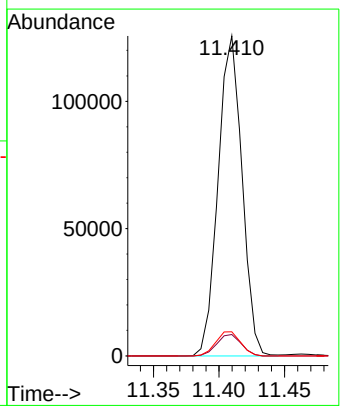


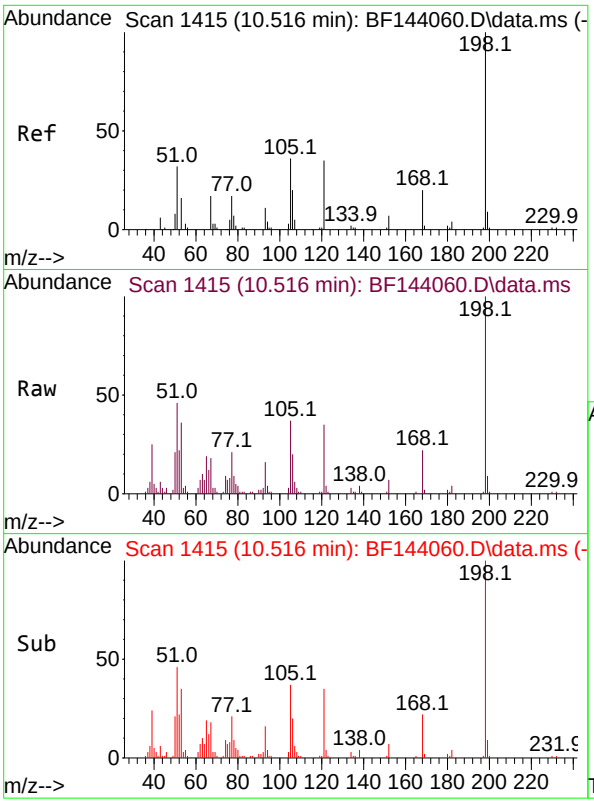


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



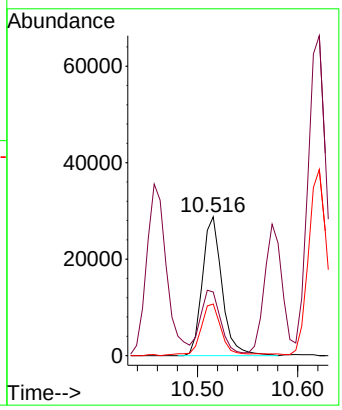


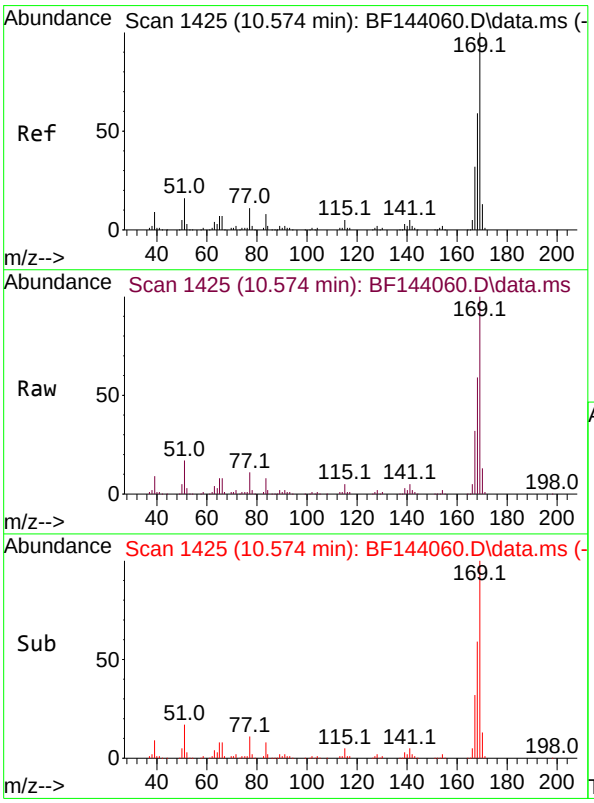
#65
4,6-Dinitro-2-methylphenol
Concen: 38.223 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

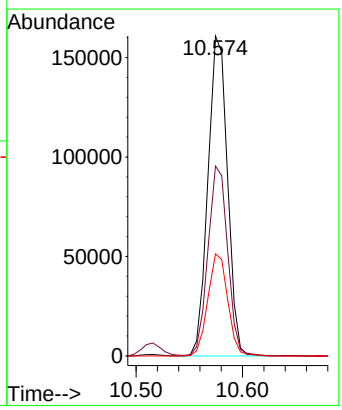


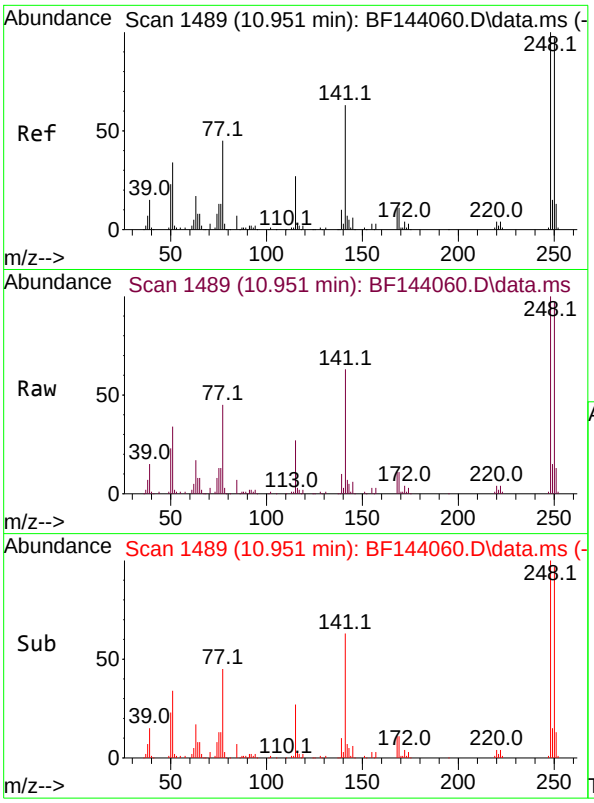


#66
n-Nitrosodiphenylamine
Concen: 40.226 ng
RT: 10.574 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



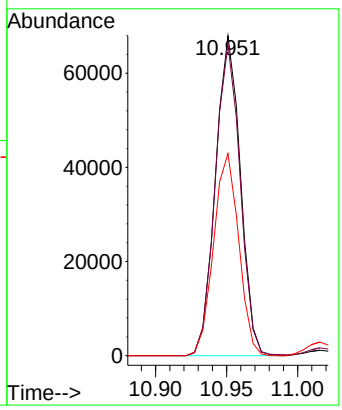


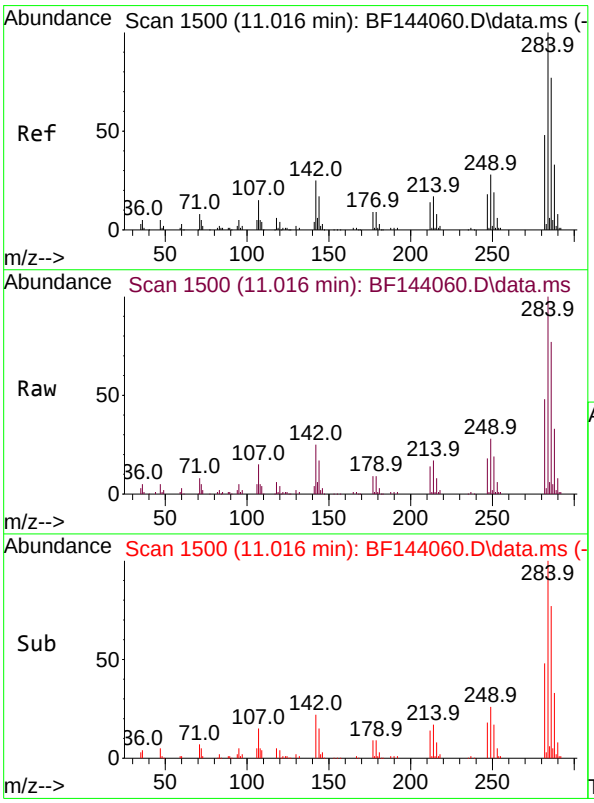
#67
4-Bromophenyl-phenylether
Concen: 41.585 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

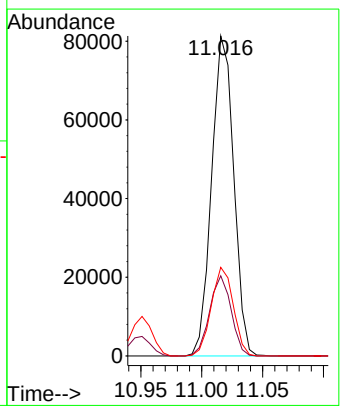


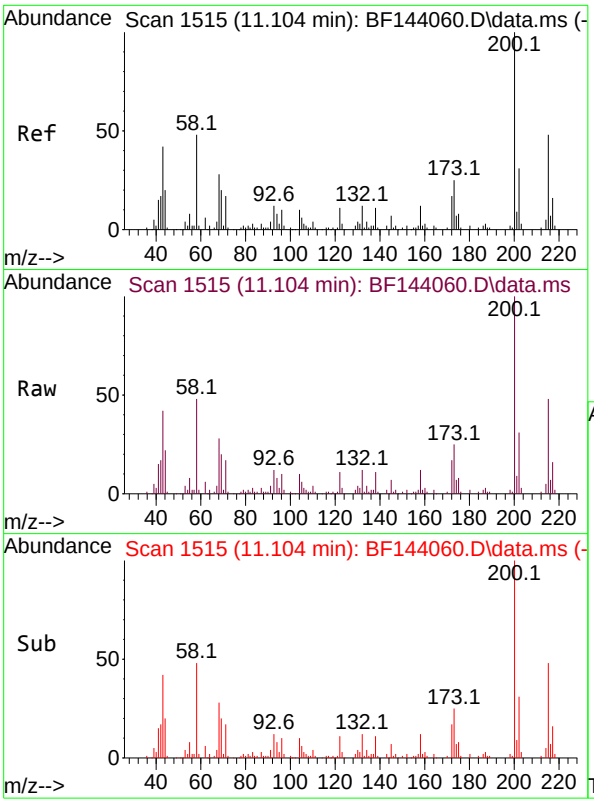


#68
Hexachlorobenzene
Concen: 41.869 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



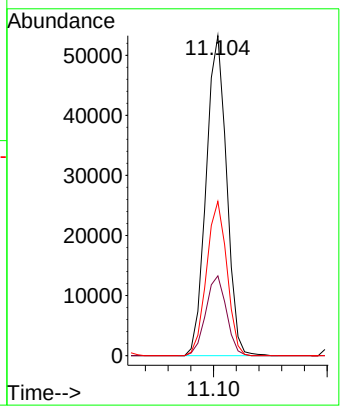


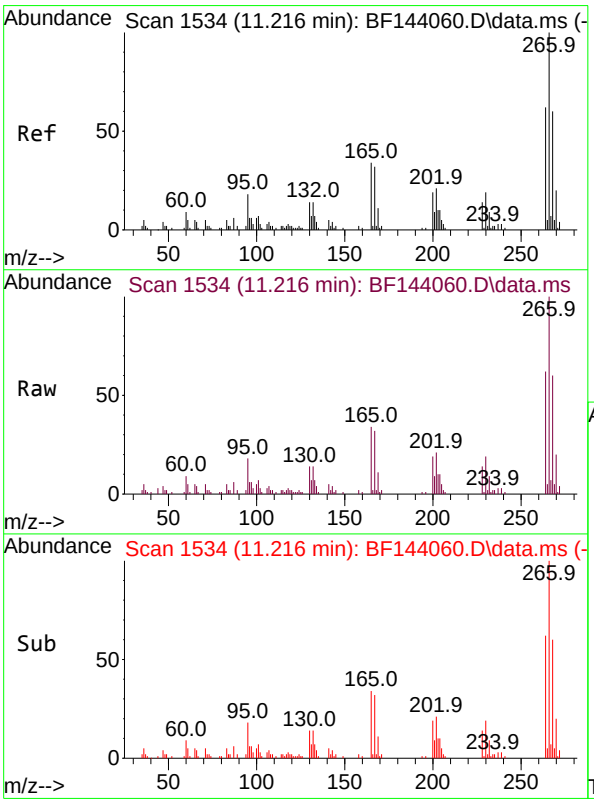
#69
Atrazine
Concen: 39.753 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

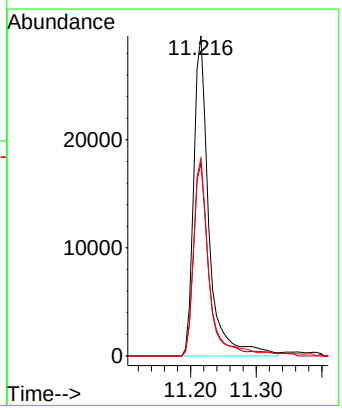


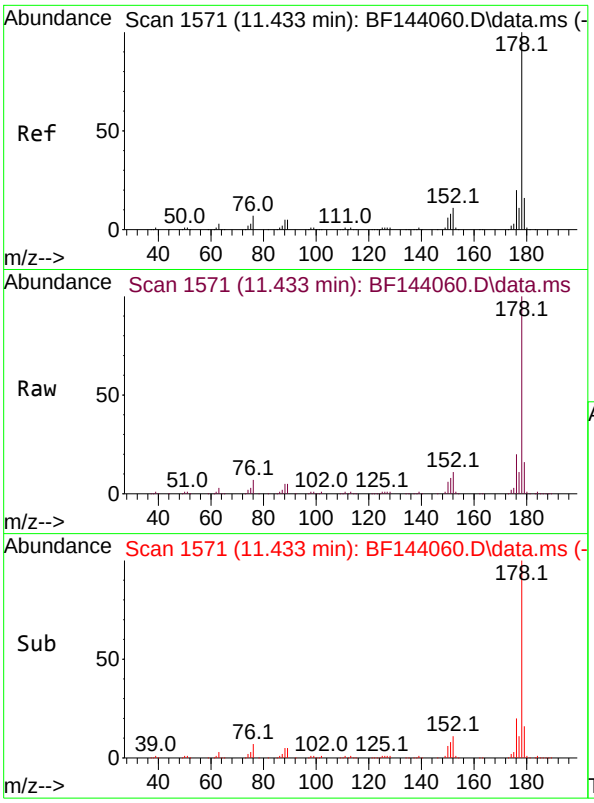


#70
Pentachlorophenol
Concen: 40.953 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



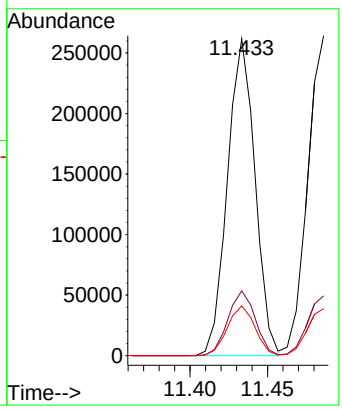


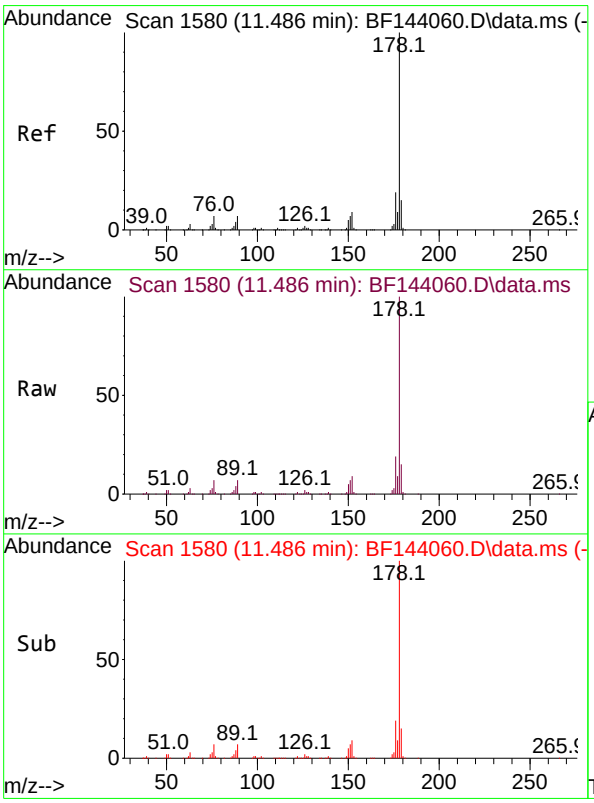
#71
Phenanthrene
Concen: 40.961 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

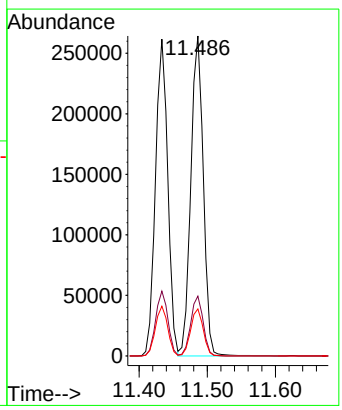


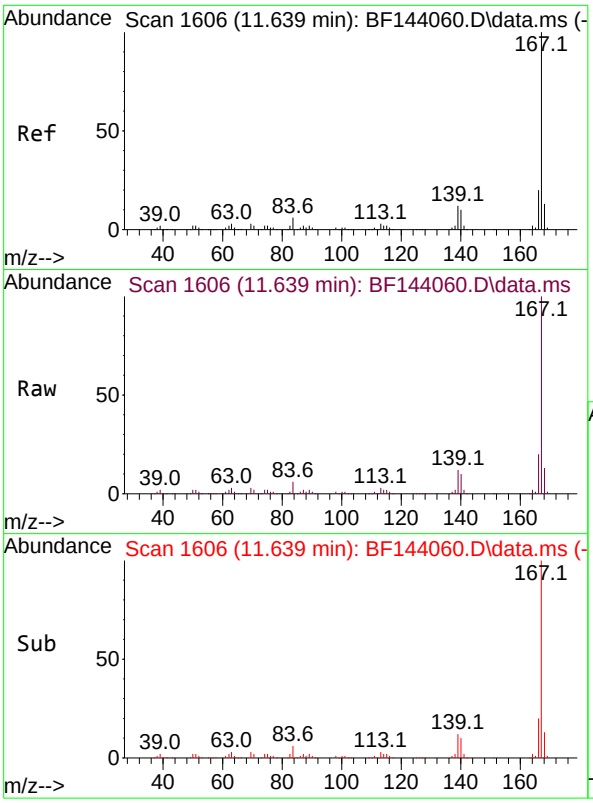


#72
Anthracene
Concen: 41.053 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



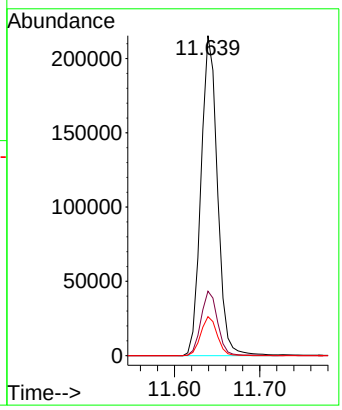


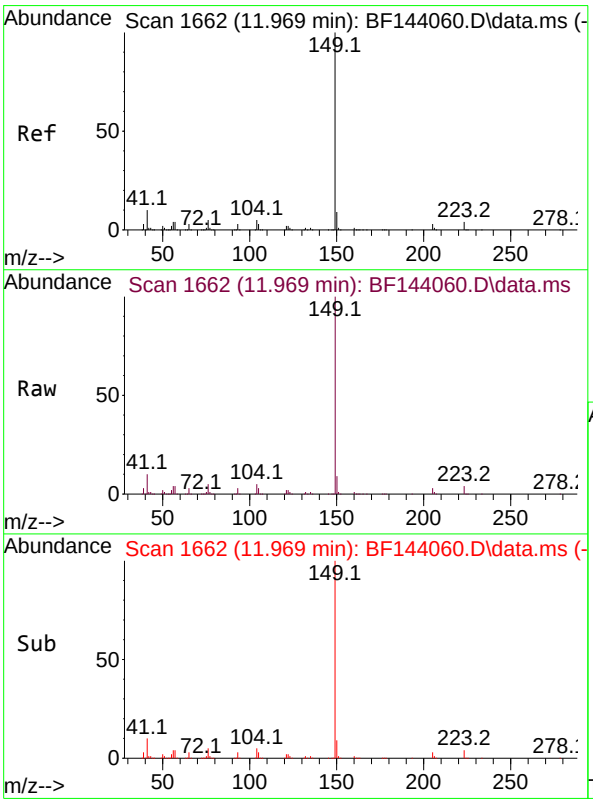
#73
Carbazole
Concen: 41.458 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

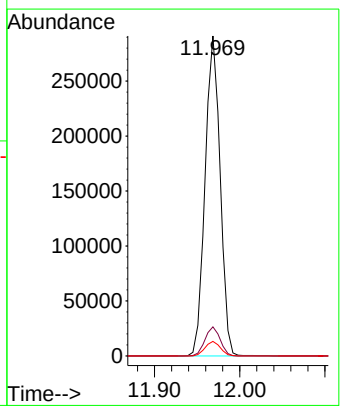


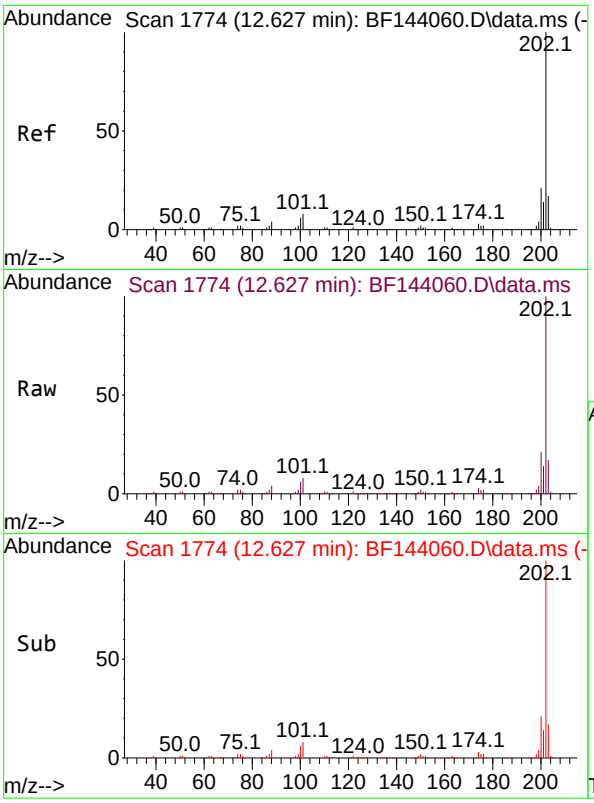


#74
Di-n-butylphthalate
Concen: 41.770 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



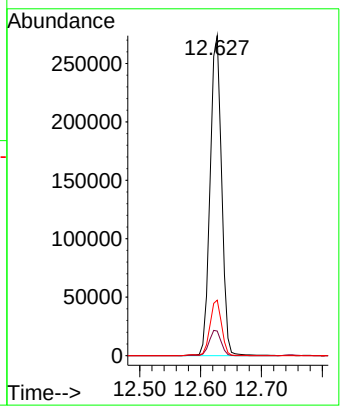


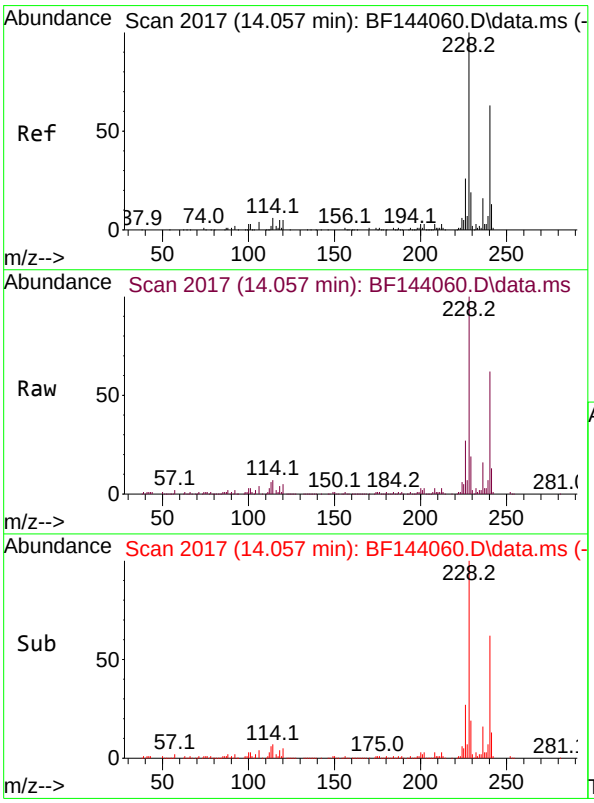
#75
Fluoranthene
Concen: 40.917 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

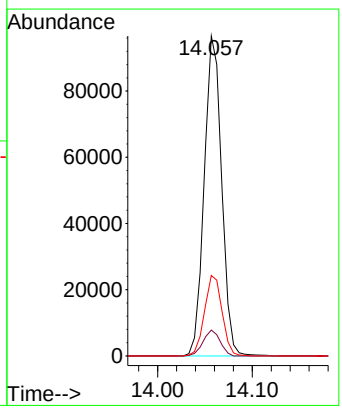


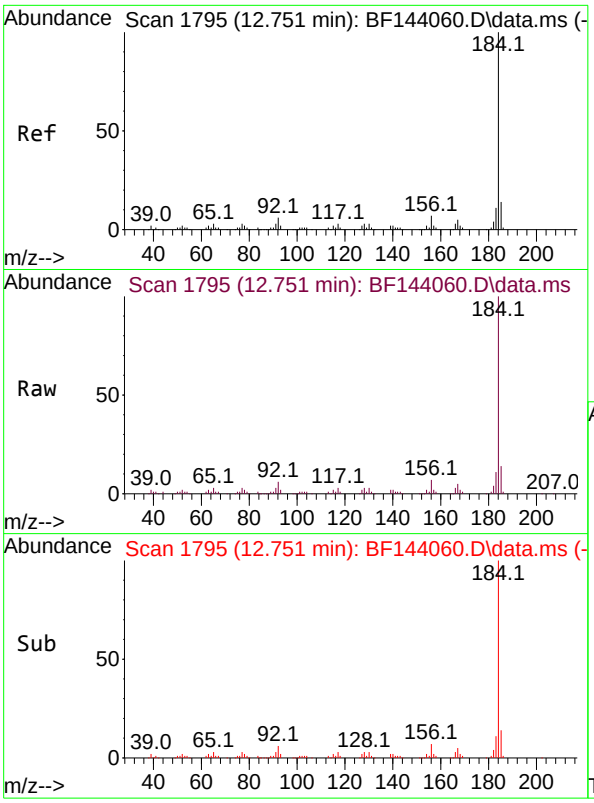


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



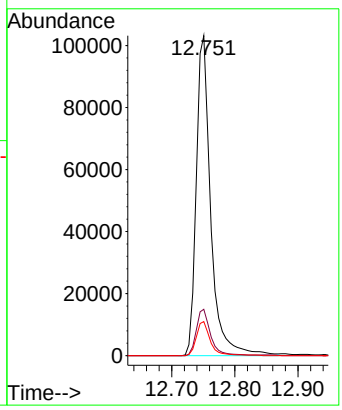


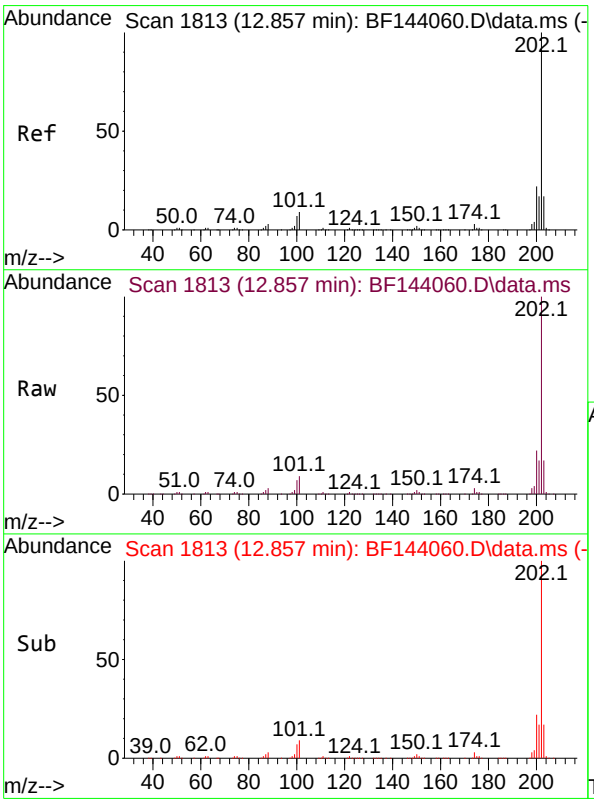
#77
Benzidine
Concen: 42.766 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

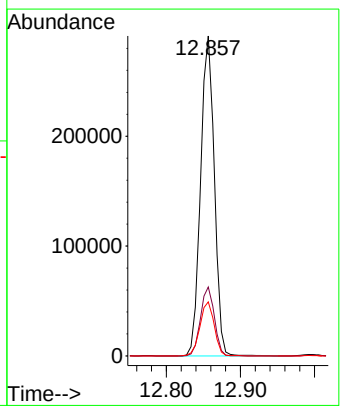


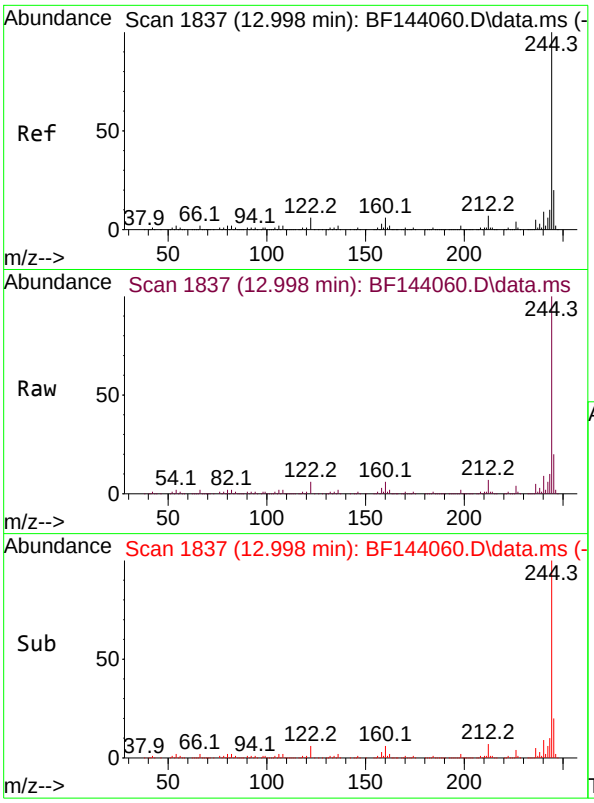


#78
Pyrene
Concen: 42.300 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



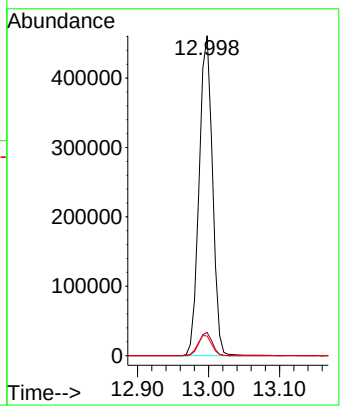


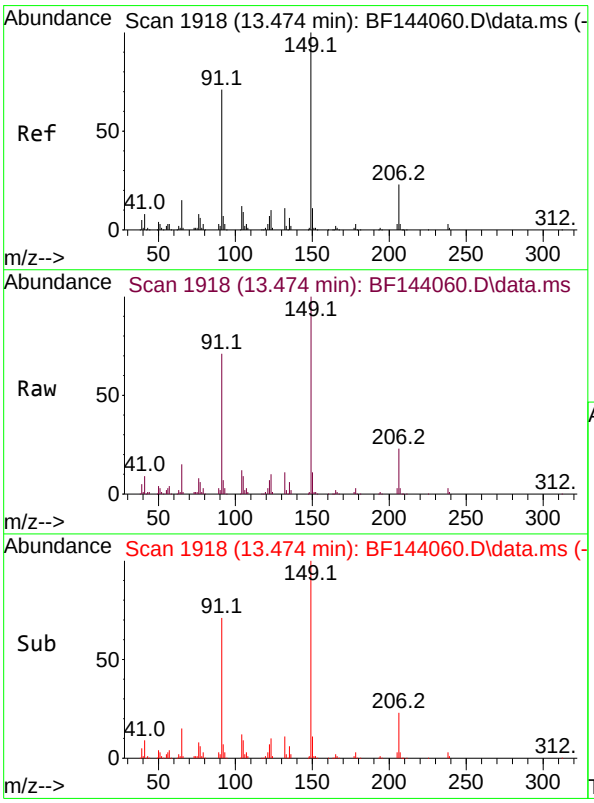
#79
Terphenyl-d14
Concen: 84.737 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

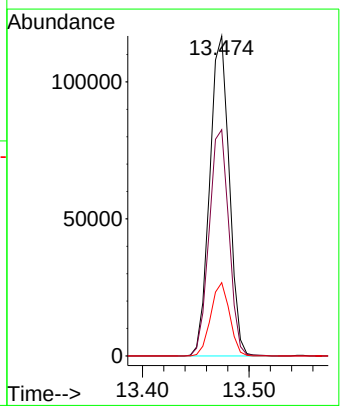


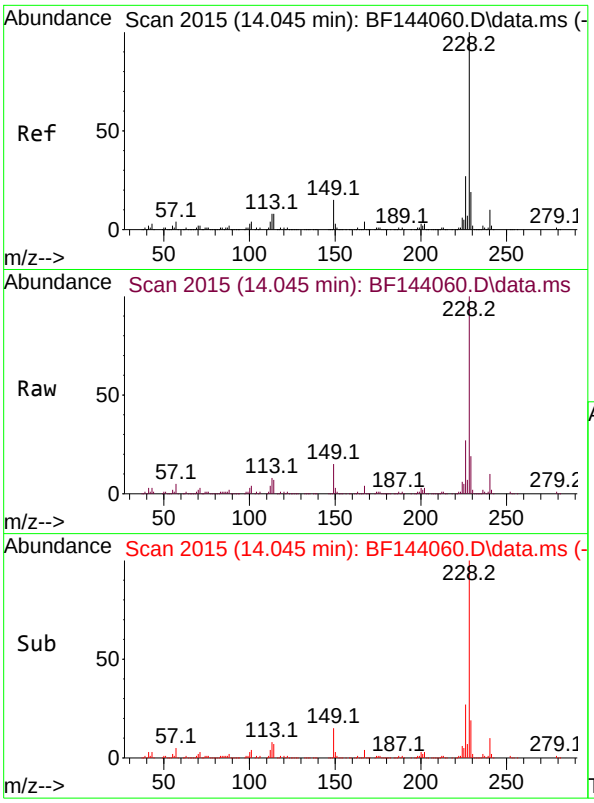


#80
Butylbenzylphthalate
Concen: 44.204 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



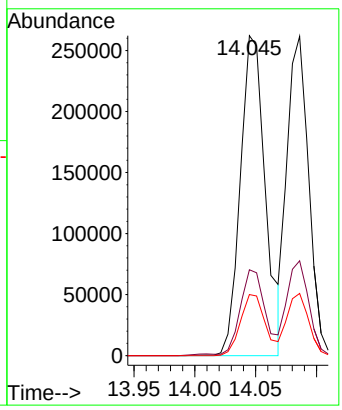


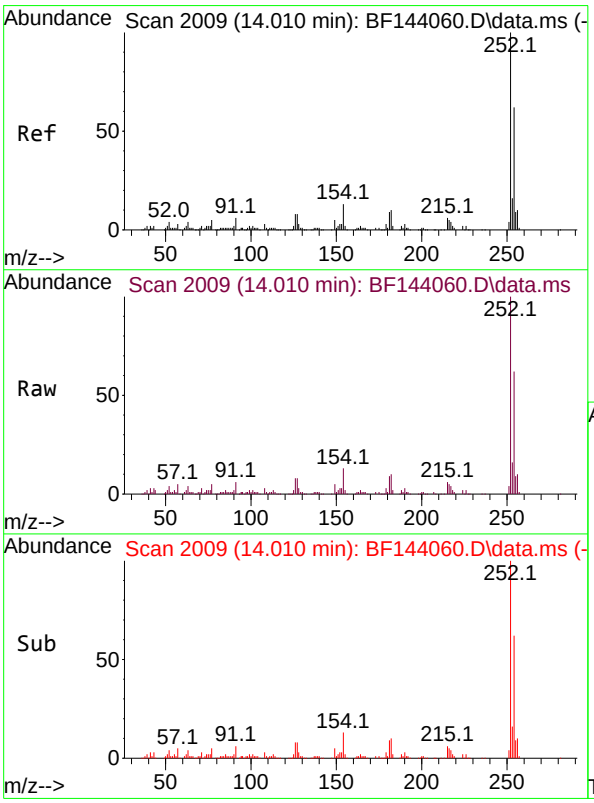
#81
Benzo(a)anthracene
Concen: 44.863 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

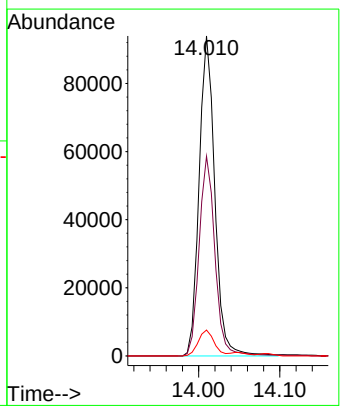


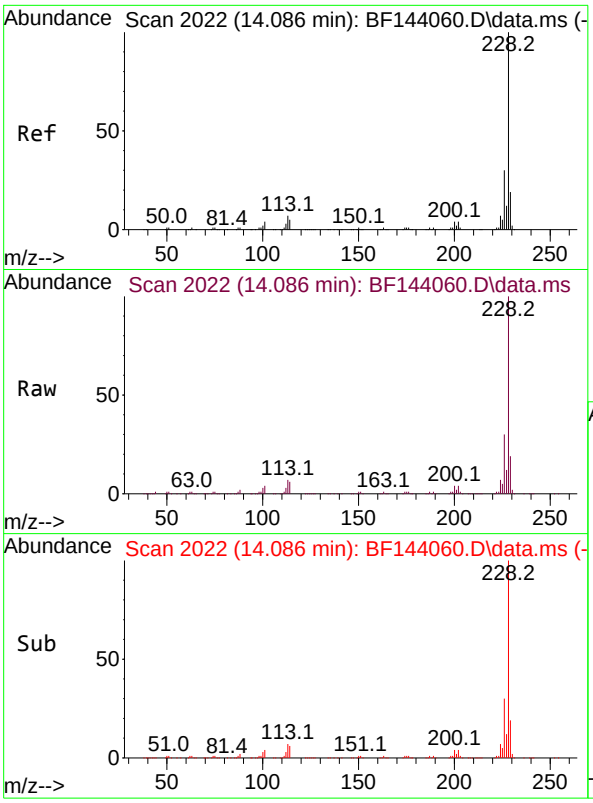


#82
3,3'-Dichlorobenzidine
Concen: 43.337 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



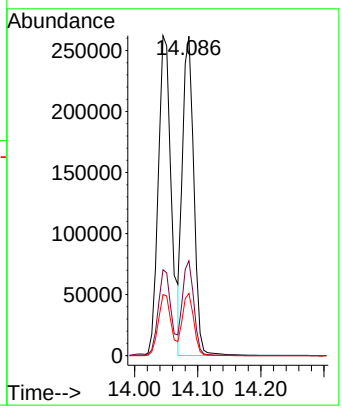


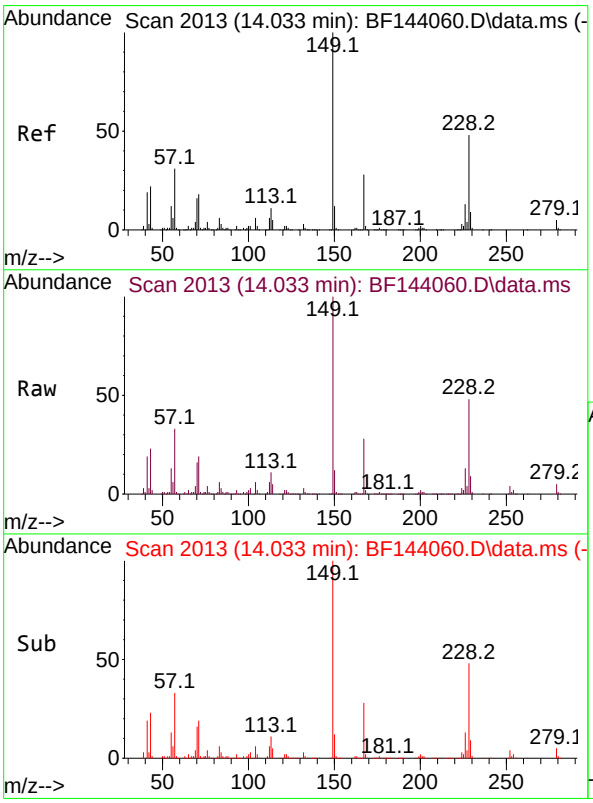
#83
Chrysene
Concen: 41.590 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

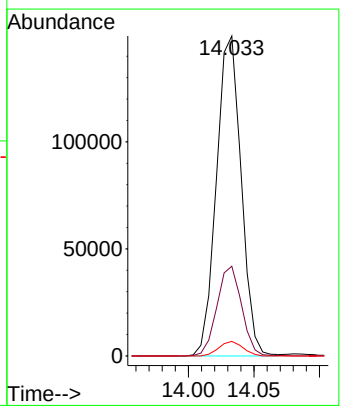


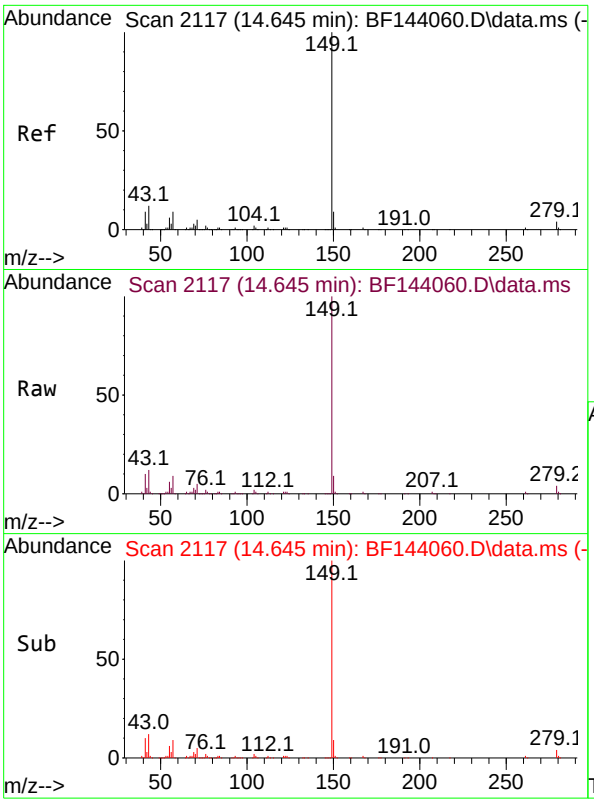


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.805 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



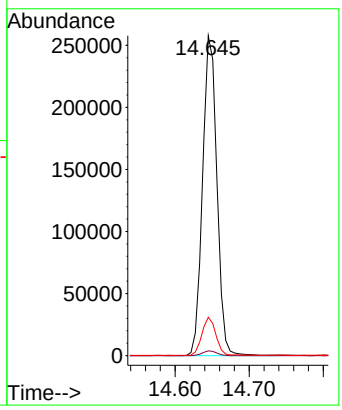


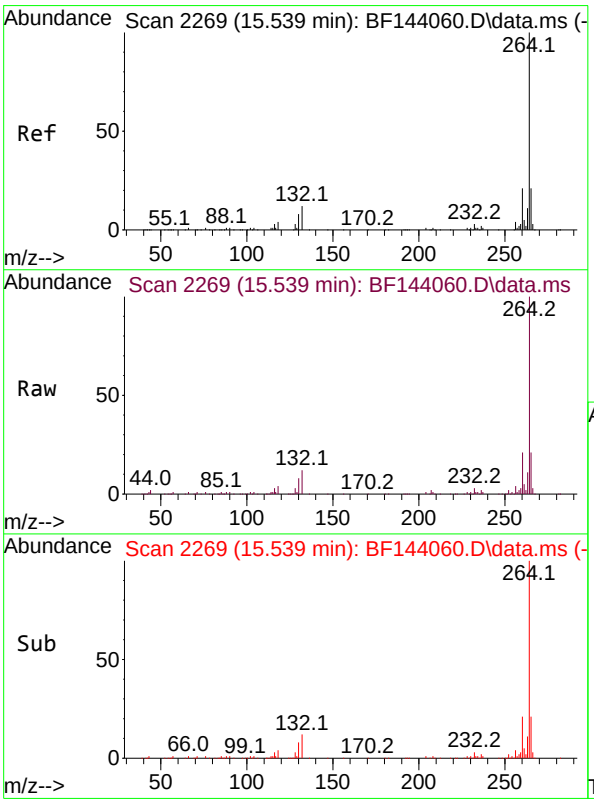
#85
Di-n-octyl phthalate
Concen: 43.804 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

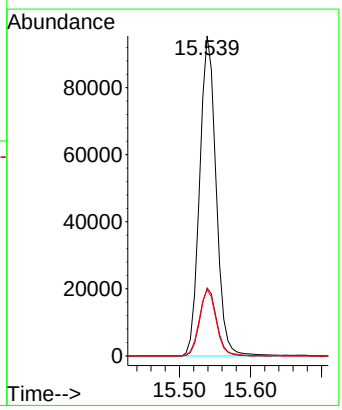


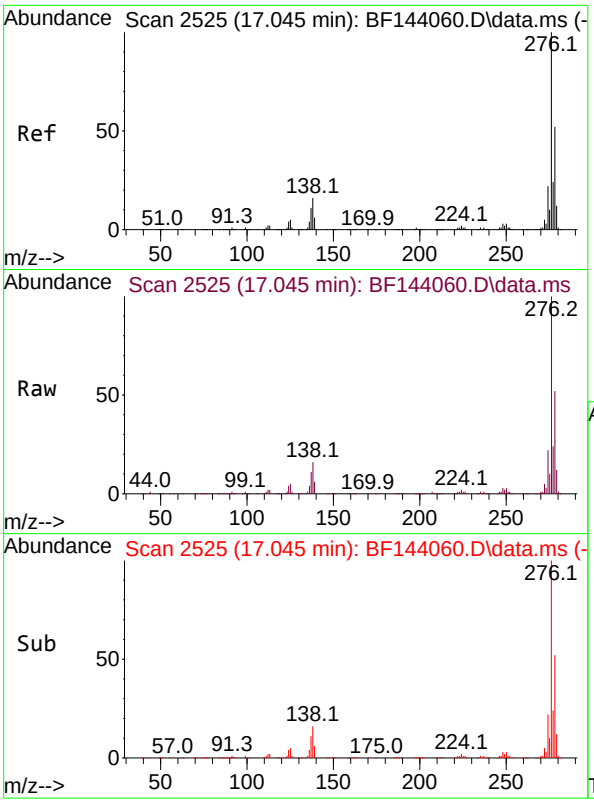


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



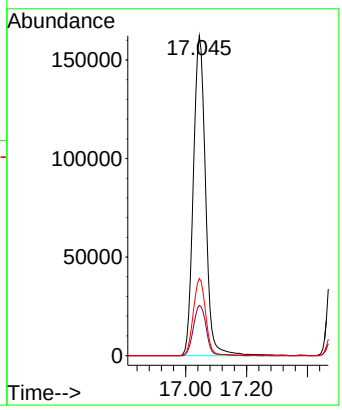


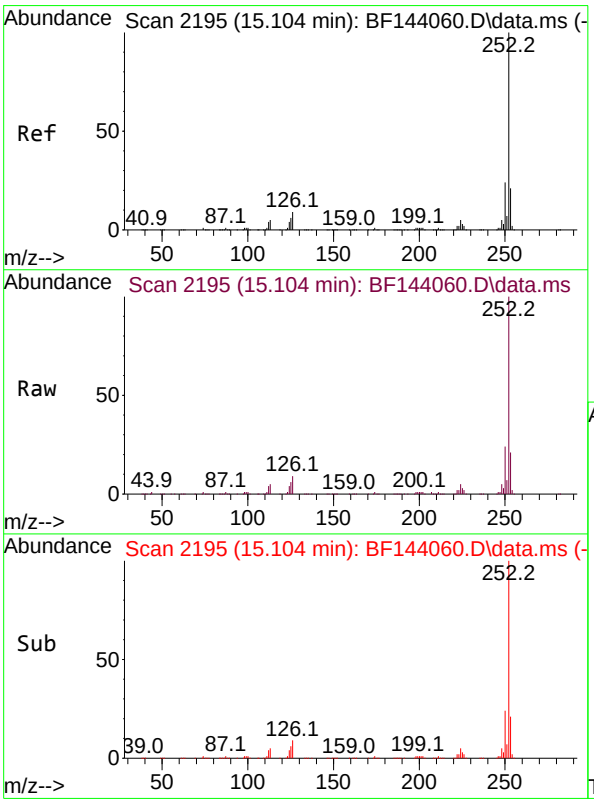
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.020 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

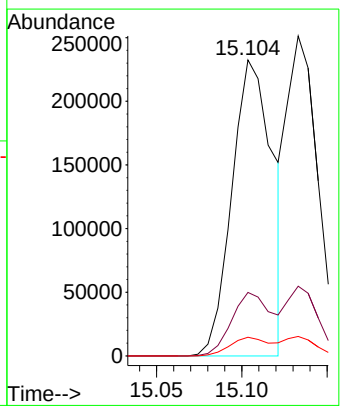


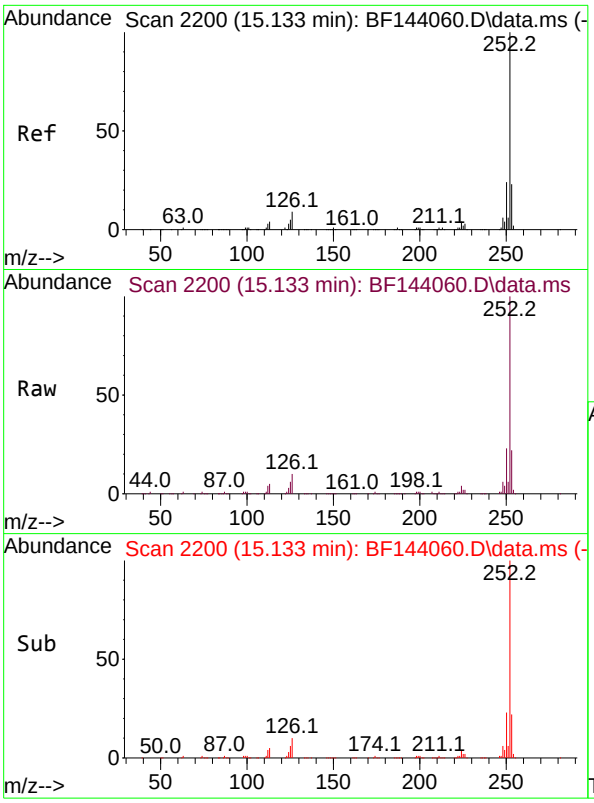


#88
Benzo(b)fluoranthene
Concen: 44.700 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



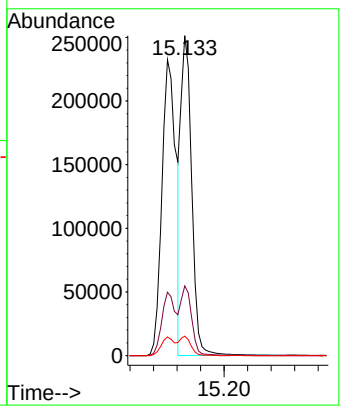


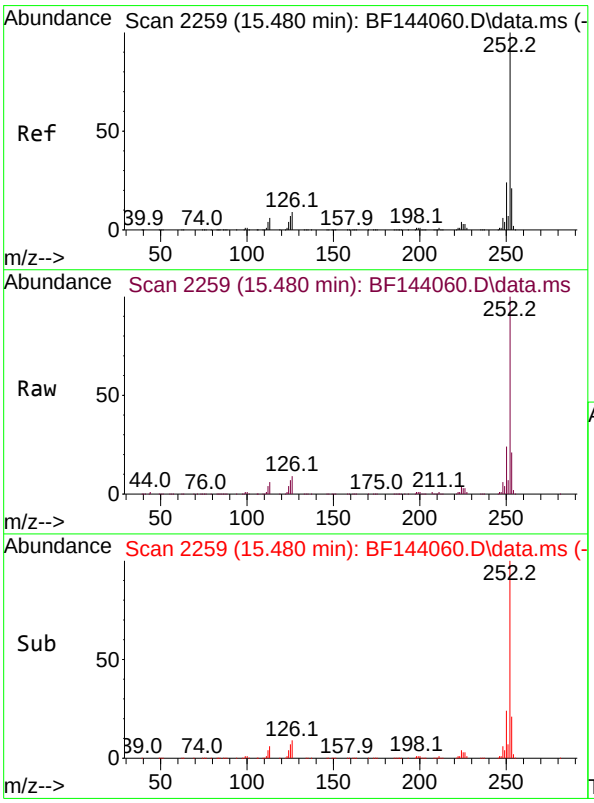
#89
Benzo(k)fluoranthene
Concen: 40.621 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

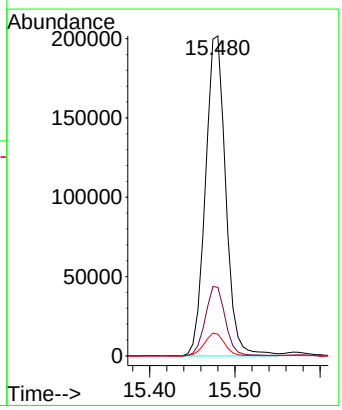


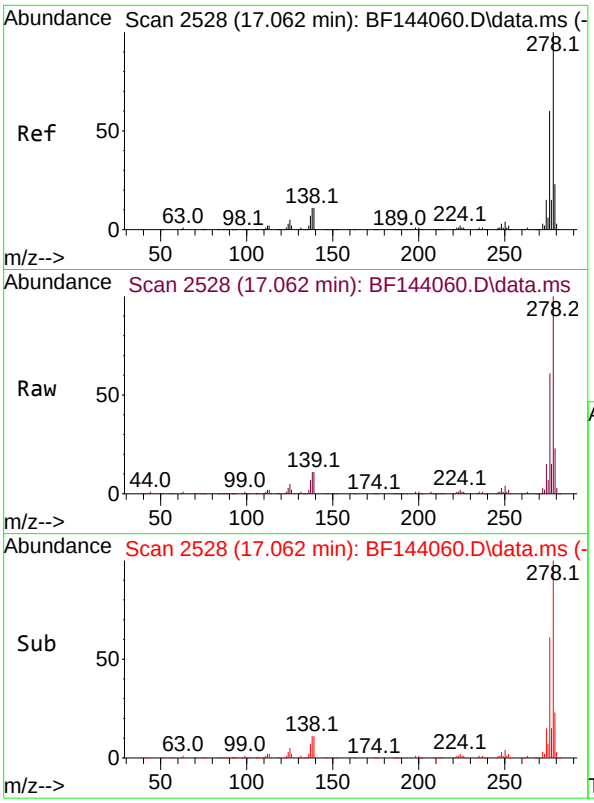


#90
Benzo(a)pyrene
Concen: 42.927 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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



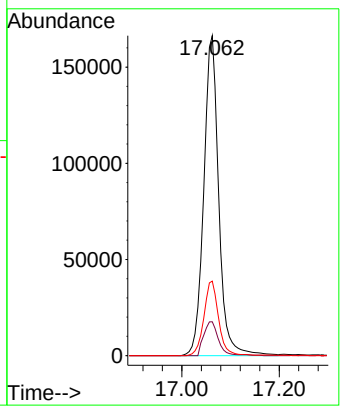


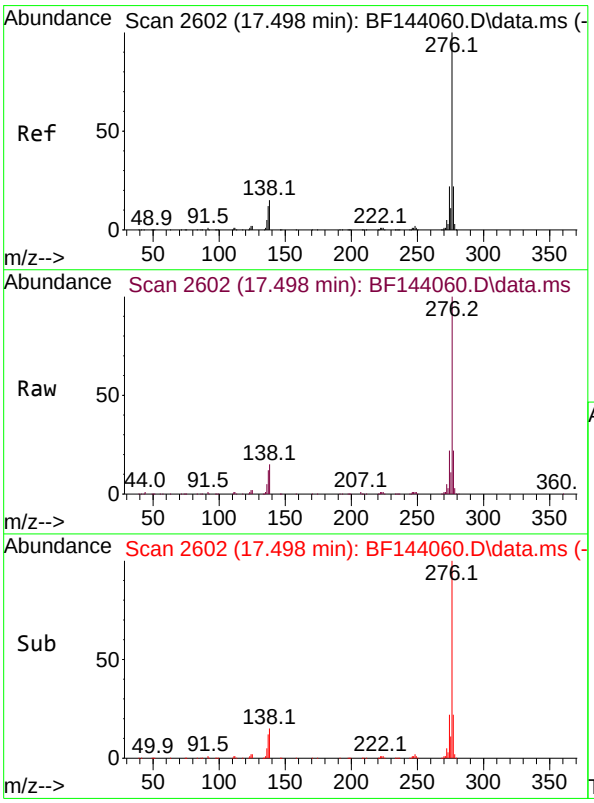
#91
Dibenzo(a,h)anthracene
Concen: 42.914 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

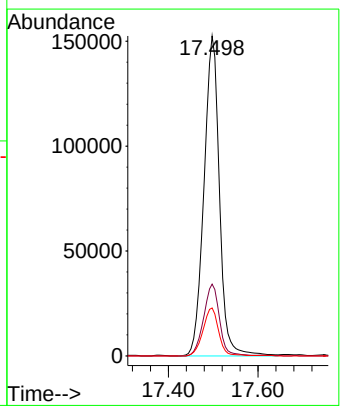




#92
Benzo(g,h,i)perylene
Concen: 43.758 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

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

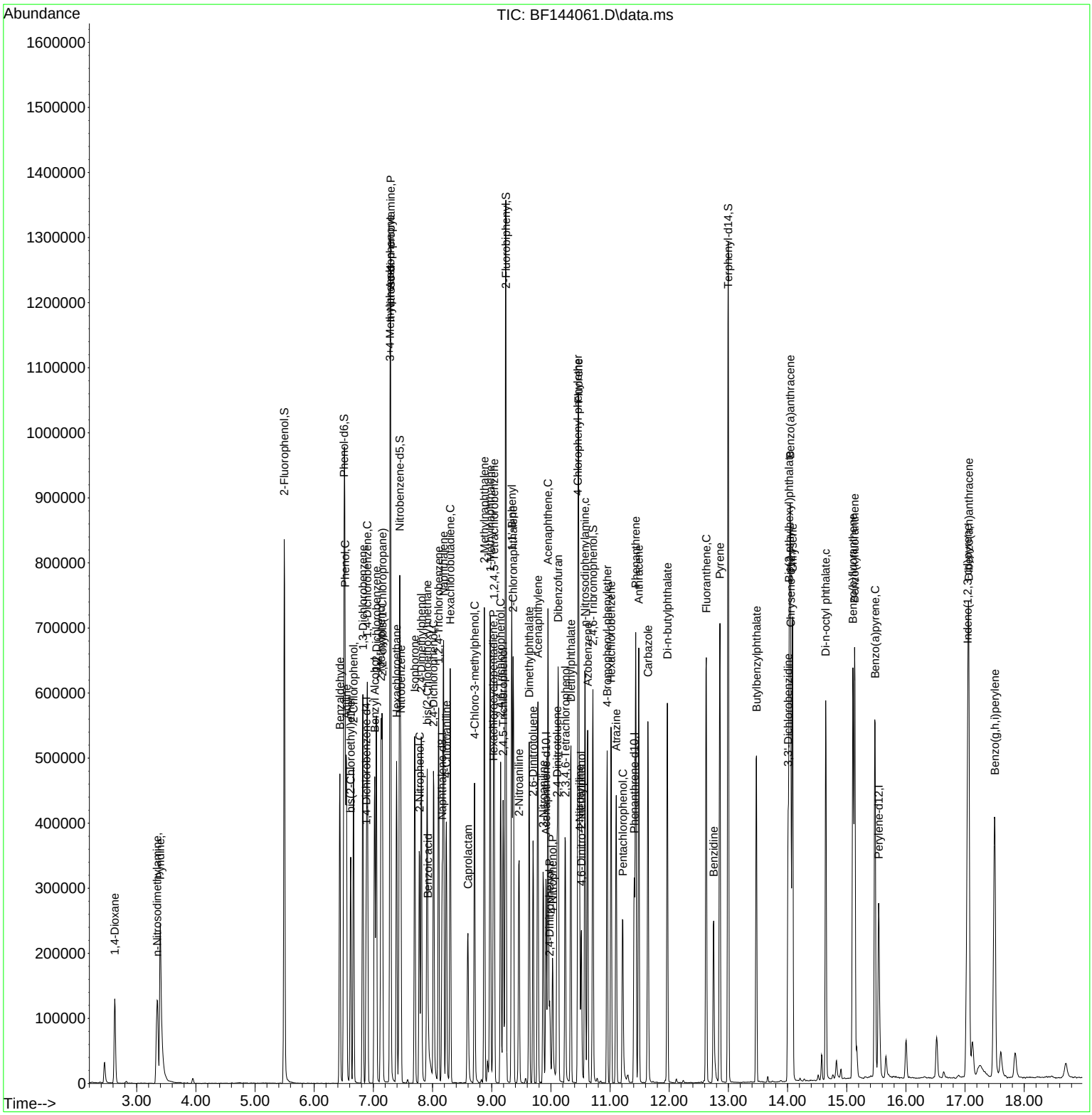
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	102322	45.562	ng		99
46) 1,1'-Biphenyl	9.339	154	315397	45.996	ng		99
47) 2-Chloronaphthalene	9.363	162	263764	45.914	ng		98
48) 2-Nitroaniline	9.463	65	79650	46.691	ng		93
49) Acenaphthylene	9.781	152	353529	45.641	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

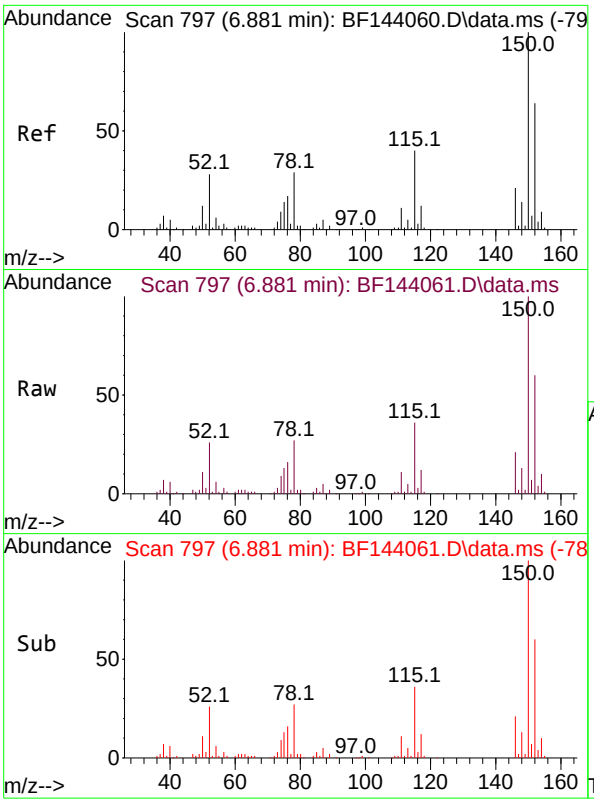
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



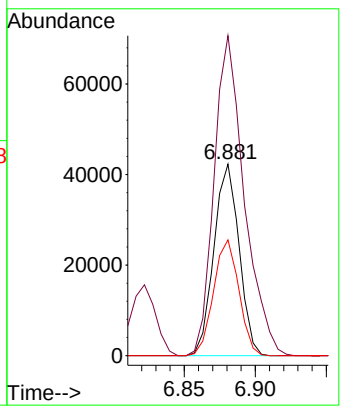


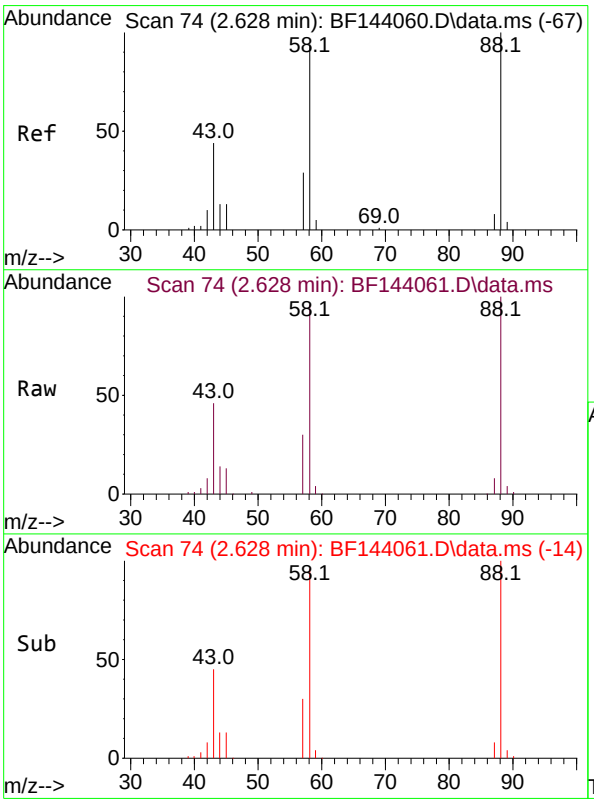
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

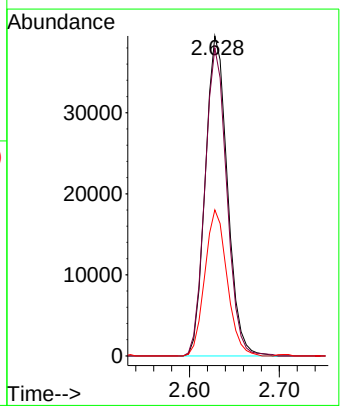


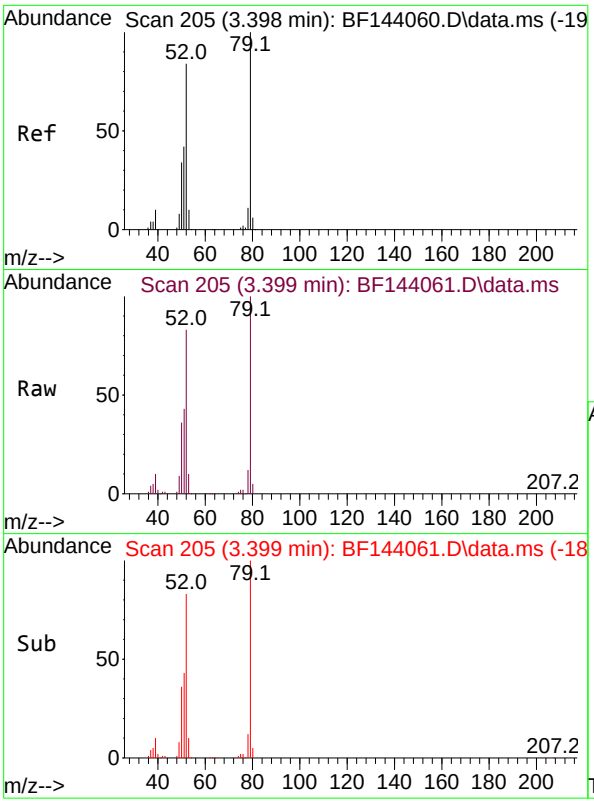


#2
1,4-Dioxane
Concen: 47.481 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



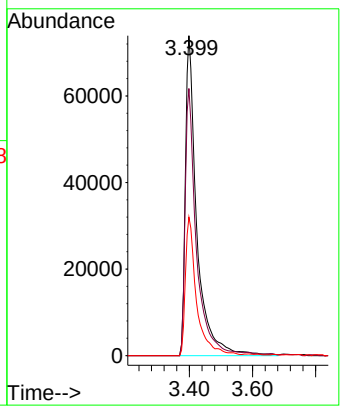


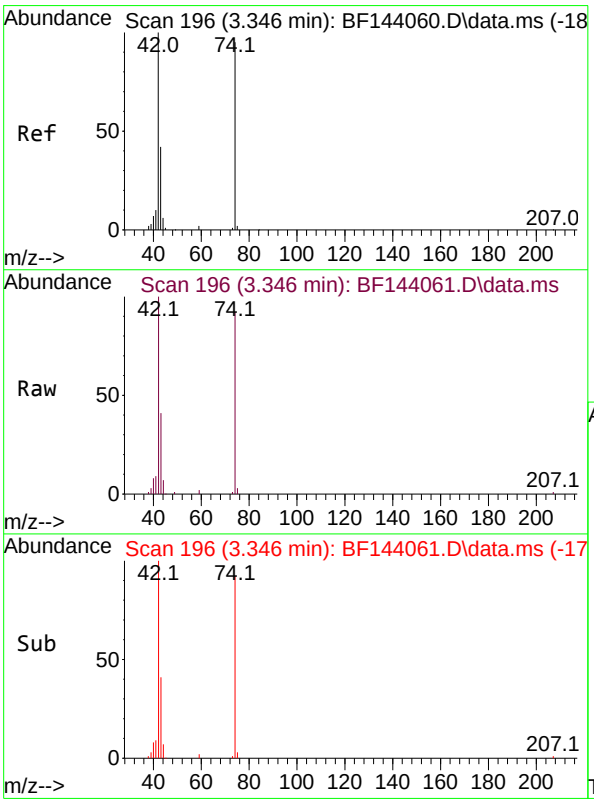
#3
Pyridine
Concen: 48.798 ng
RT: 3.399 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

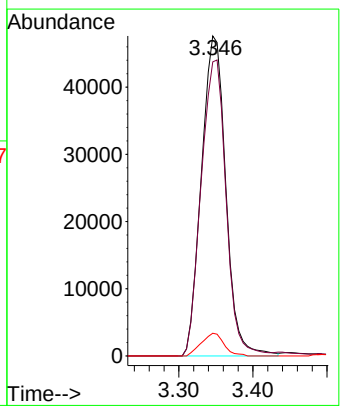


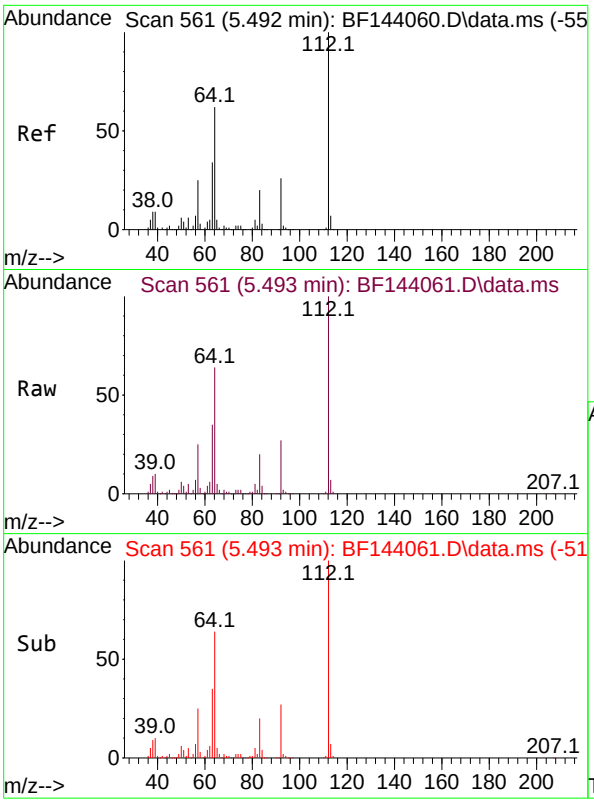


#4
n-Nitrosodimethylamine
Concen: 46.451 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



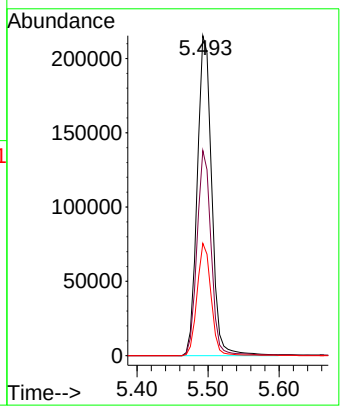


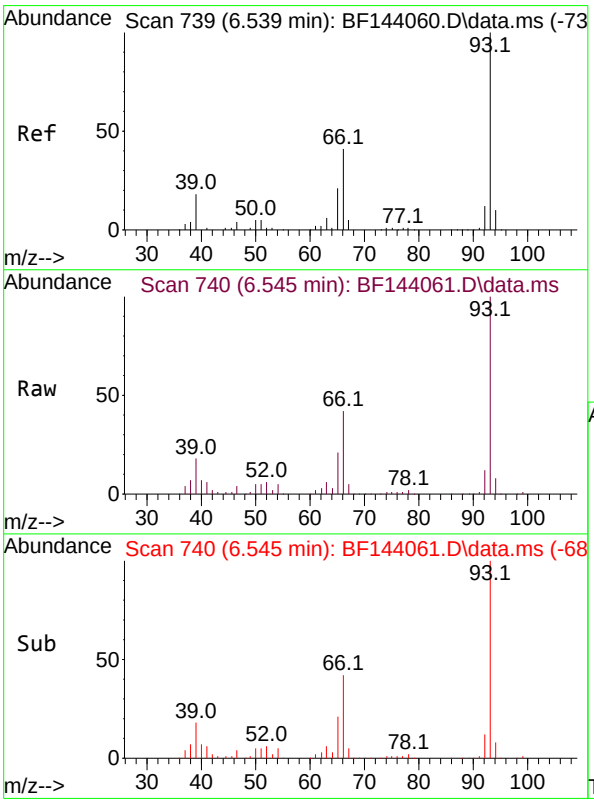
#5
2-Fluorophenol
Concen: 91.982 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

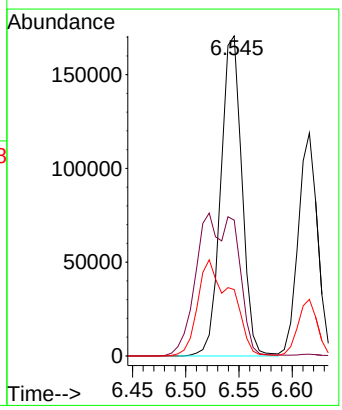


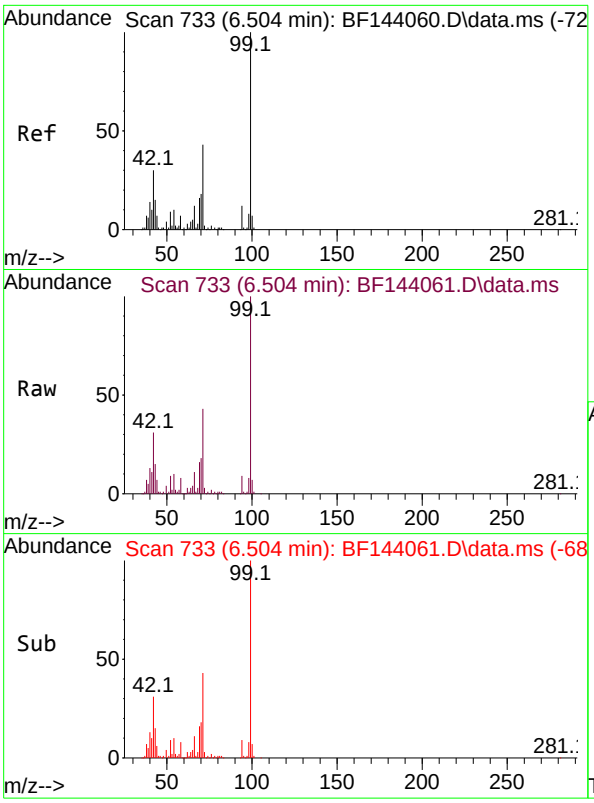


#6
Aniline
Concen: 45.283 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



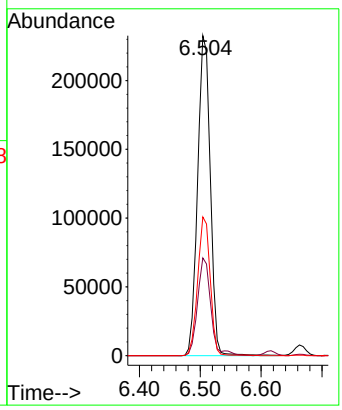


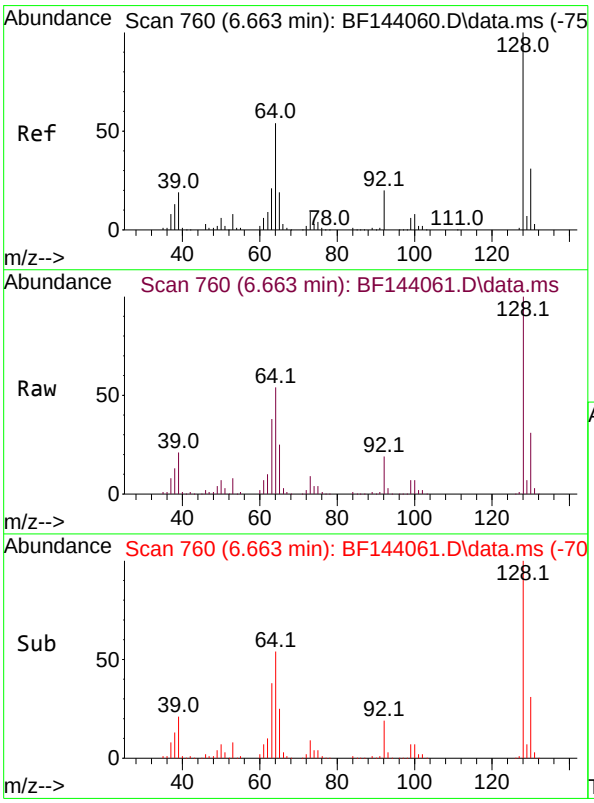
#7
Phenol-d6
Concen: 92.298 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

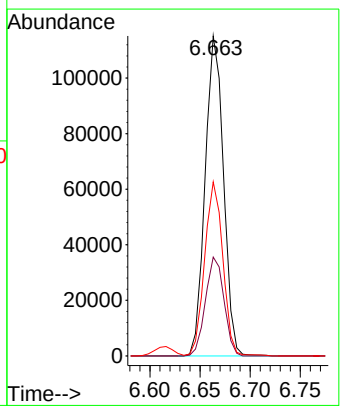


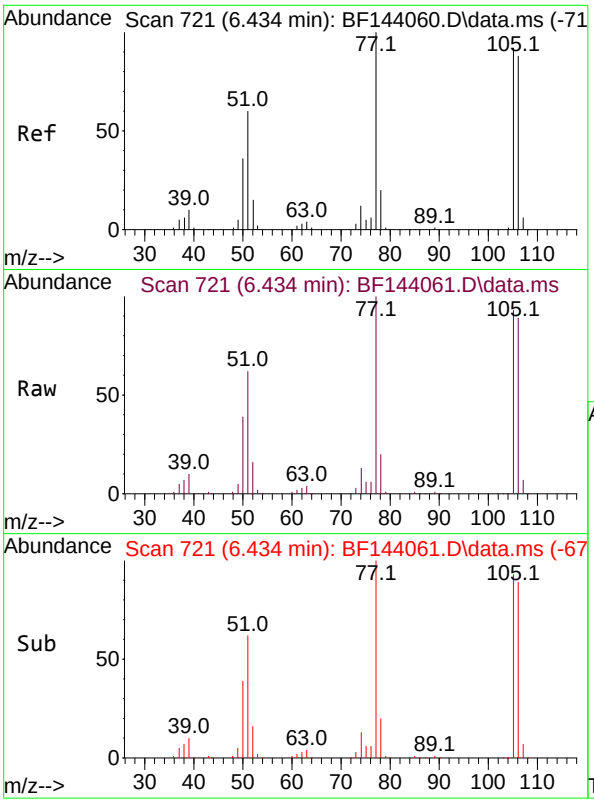


#8
2-Chlorophenol
Concen: 45.134 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



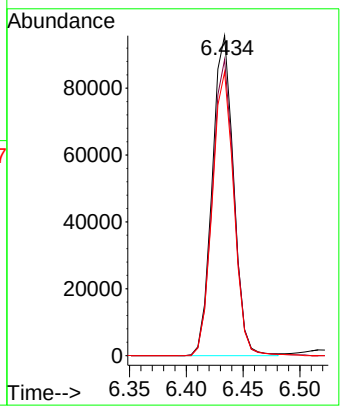


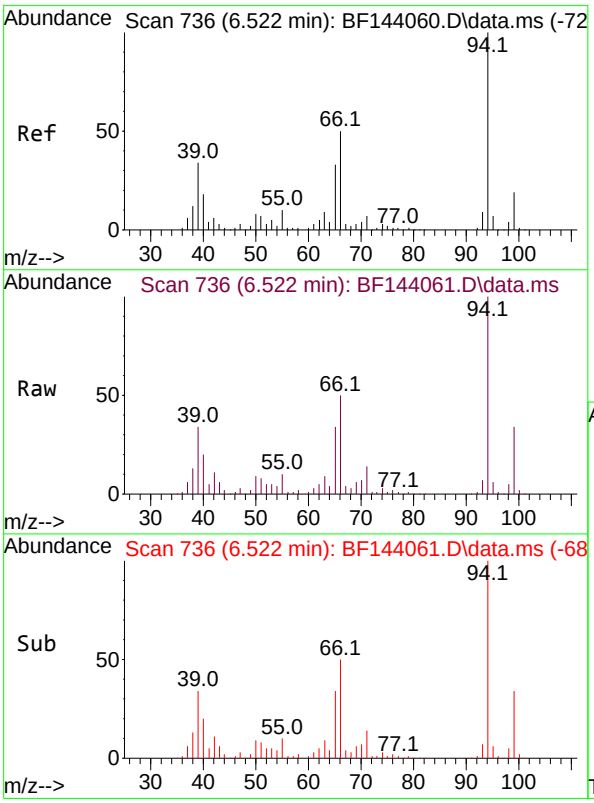
#9
Benzaldehyde
Concen: 44.224 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

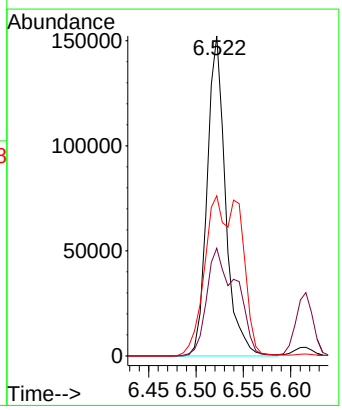


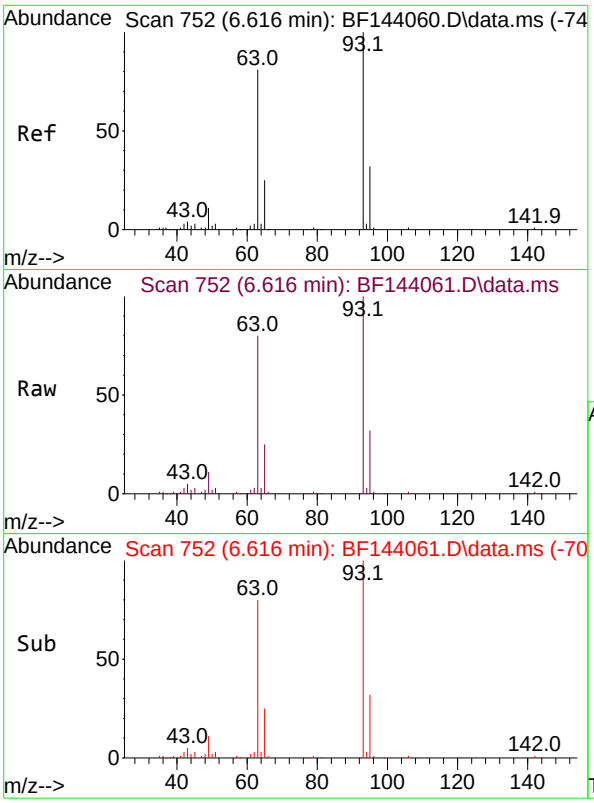


#10
Phenol
Concen: 45.707 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



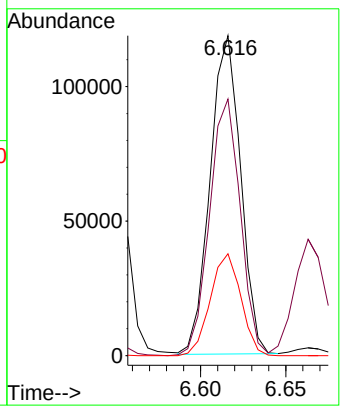


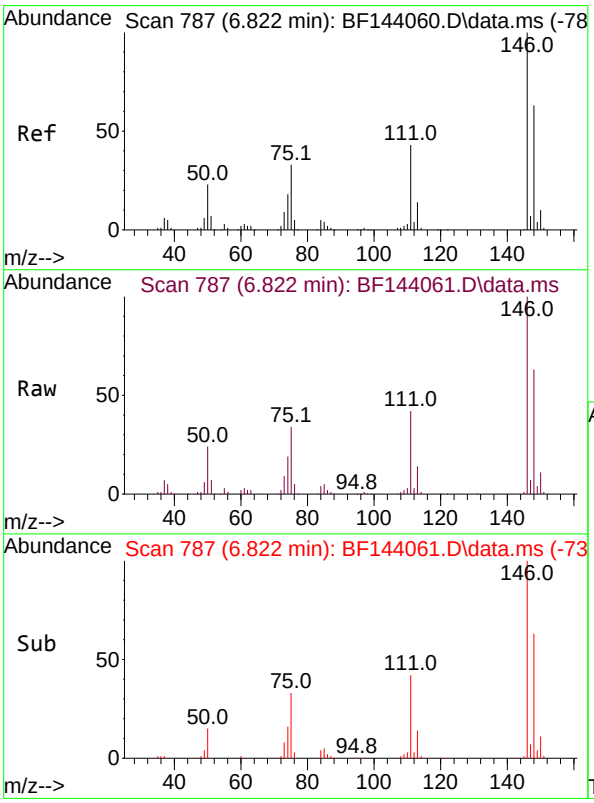
#11
bis(2-Chloroethyl)ether
Concen: 45.316 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

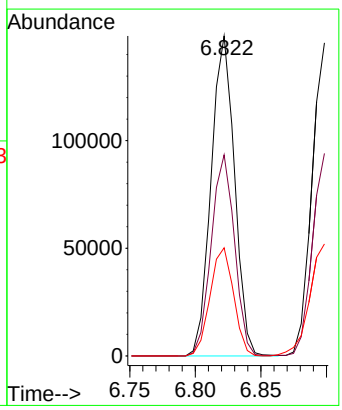


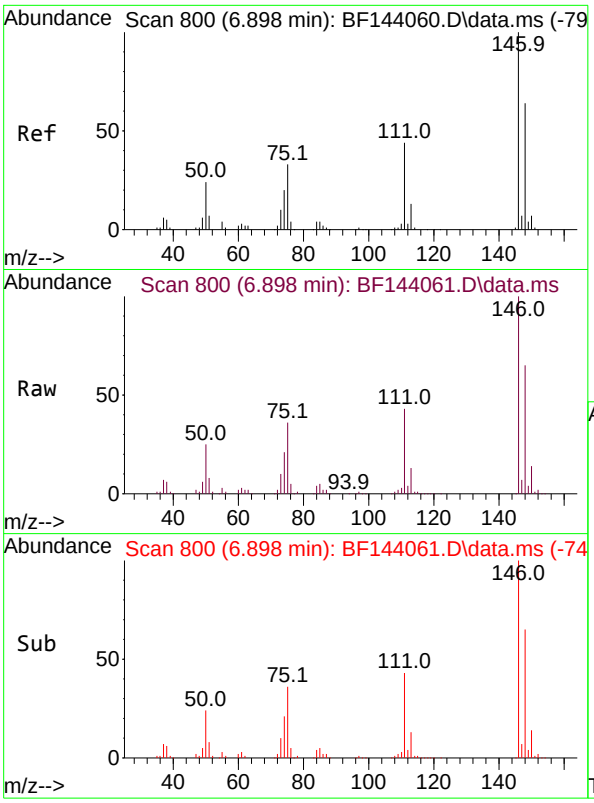


#12
1,3-Dichlorobenzene
Concen: 46.062 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



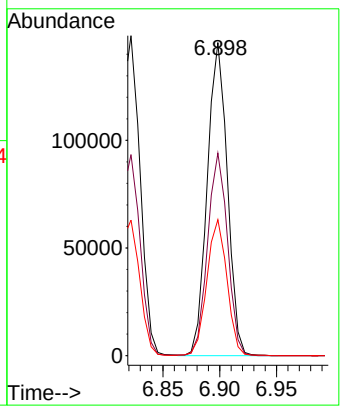


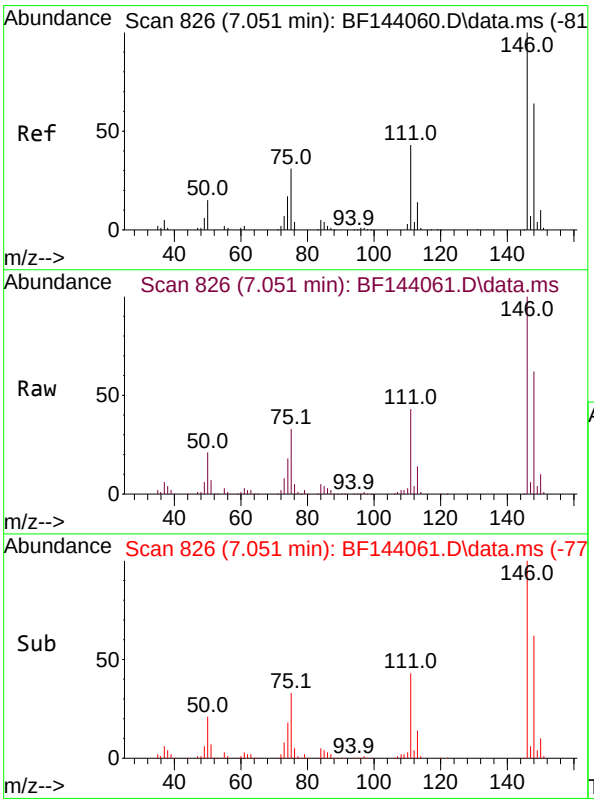
#13
1,4-Dichlorobenzene
Concen: 45.279 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

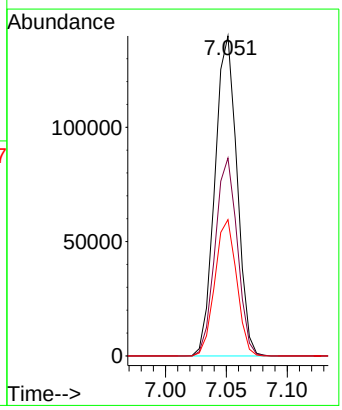


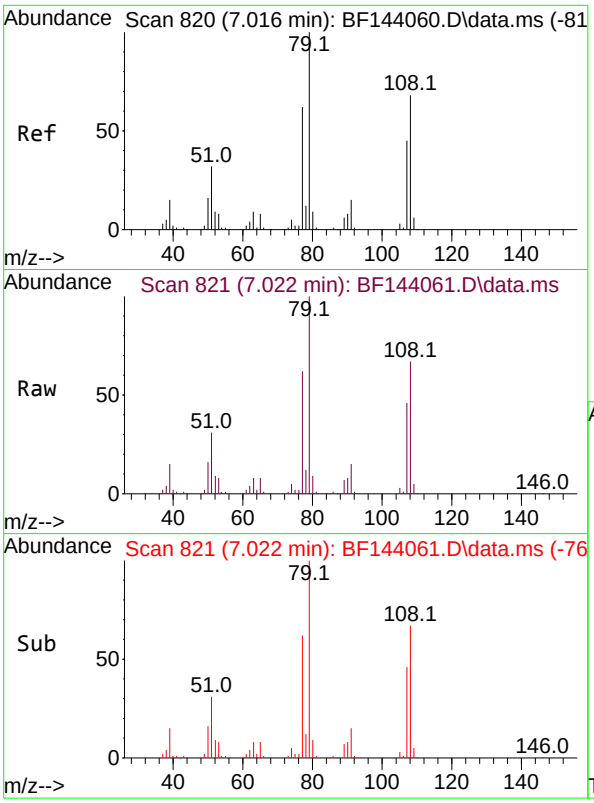


#14
1,2-Dichlorobenzene
Concen: 46.267 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



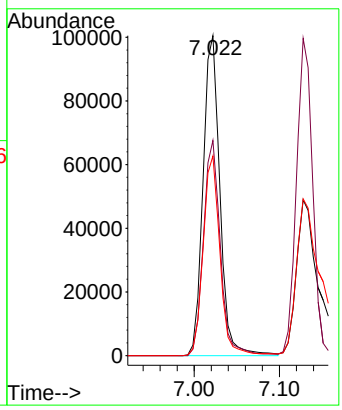


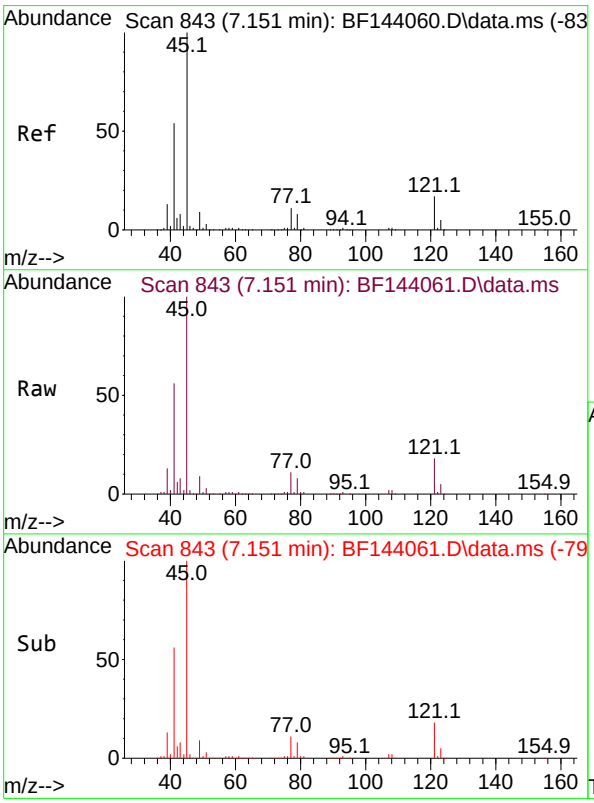
#15
Benzyl Alcohol
Concen: 46.492 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

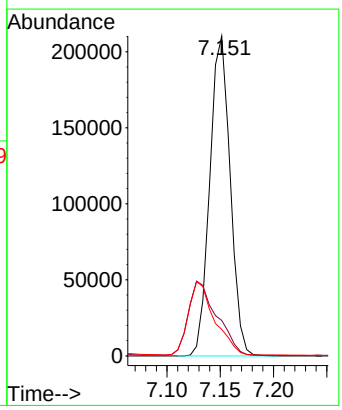


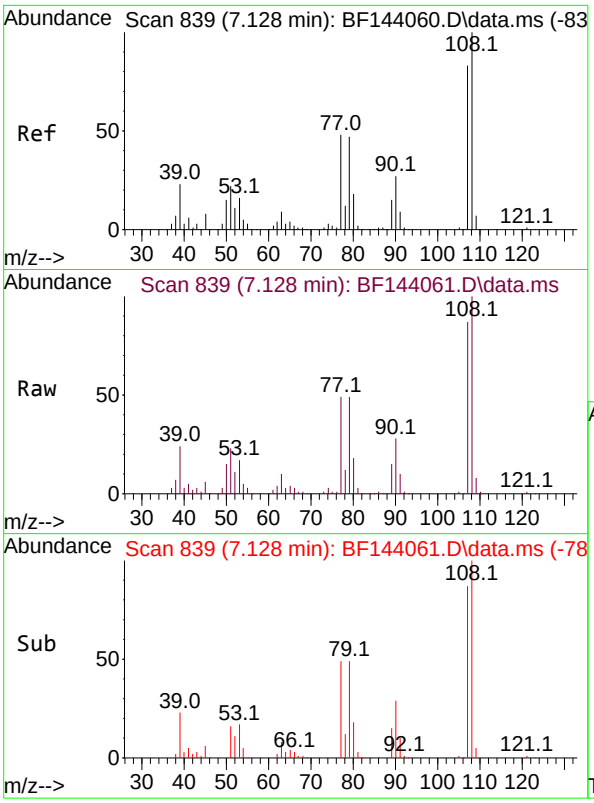


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.937 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



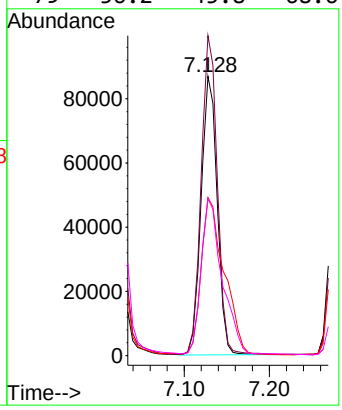


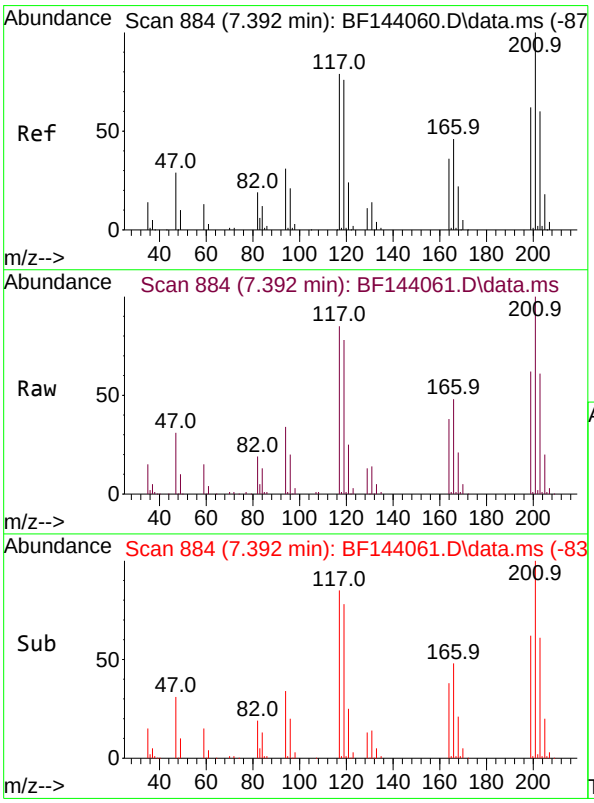
#17
2-Methylphenol
Concen: 45.627 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

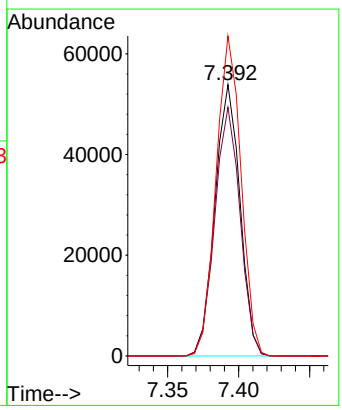


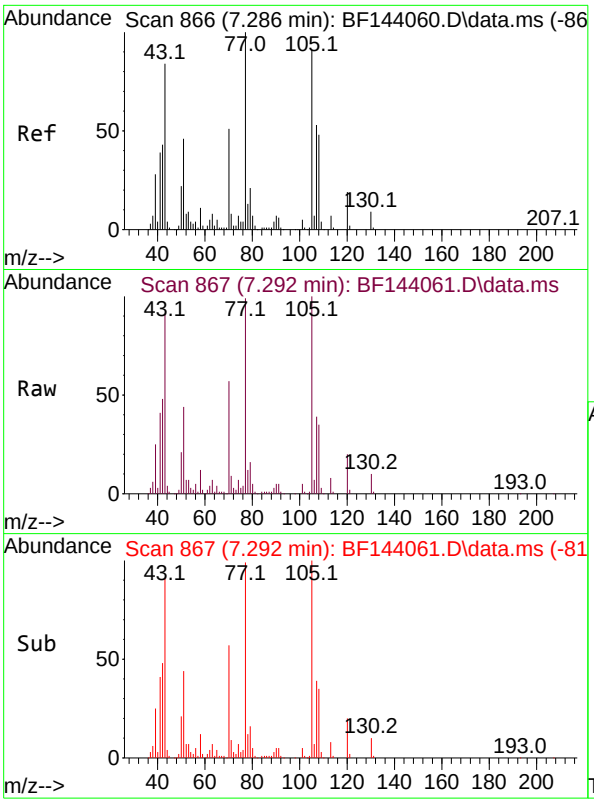


#18
Hexachloroethane
Concen: 46.762 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



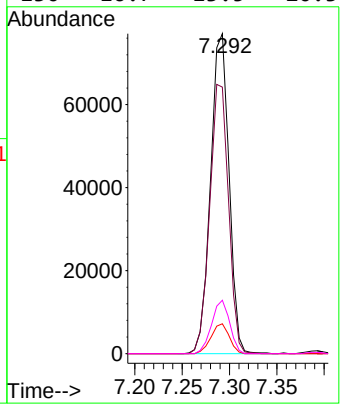


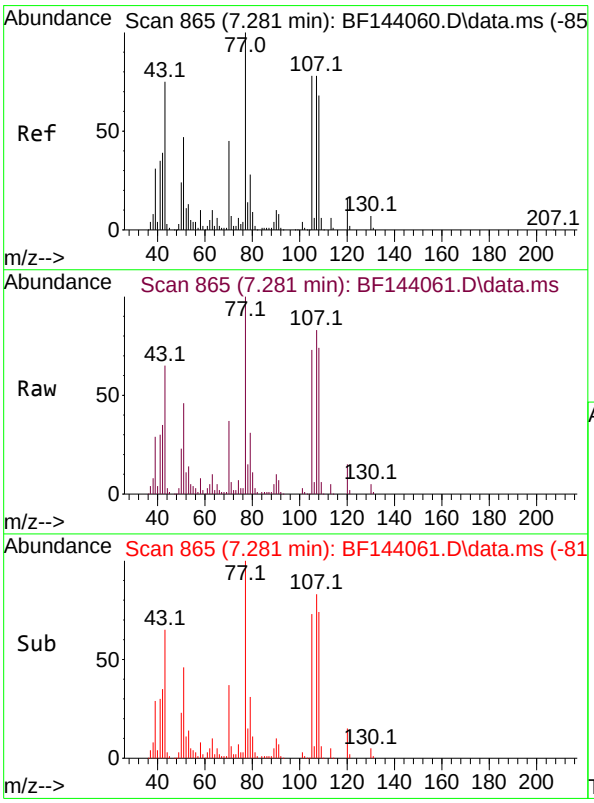
#19
n-Nitroso-di-n-propylamine
Concen: 44.378 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

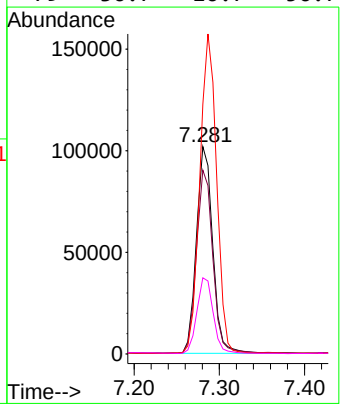


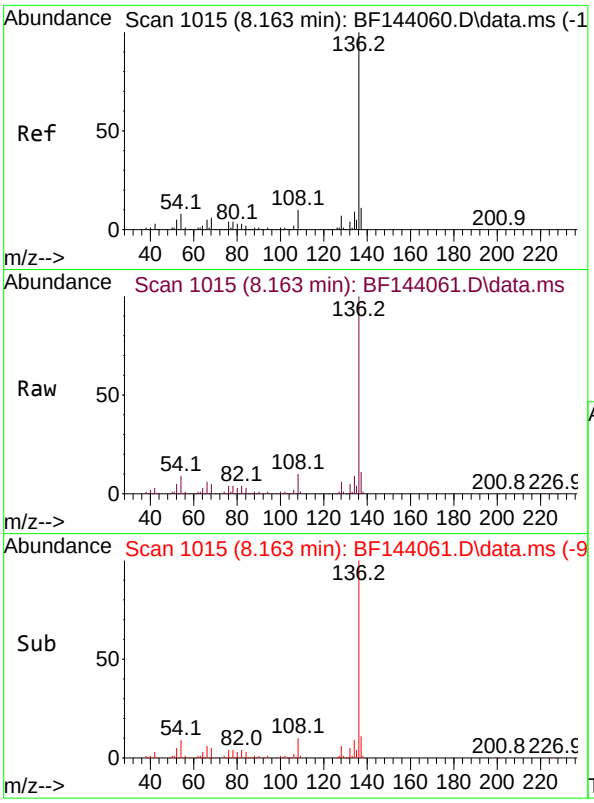


#20
3+4-Methylphenols
Concen: 45.746 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



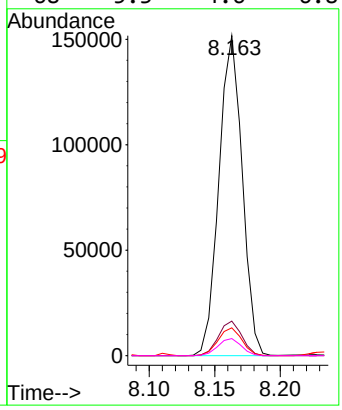


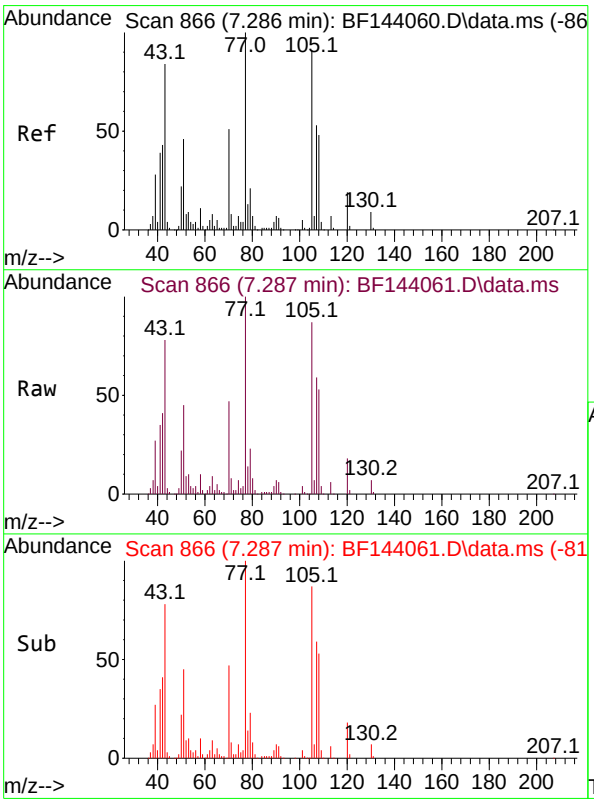
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

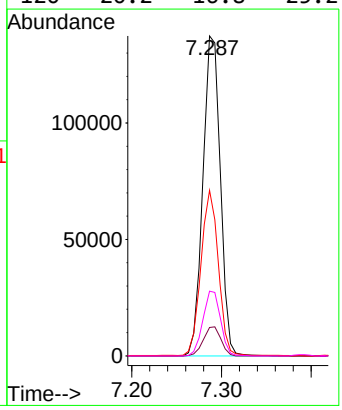


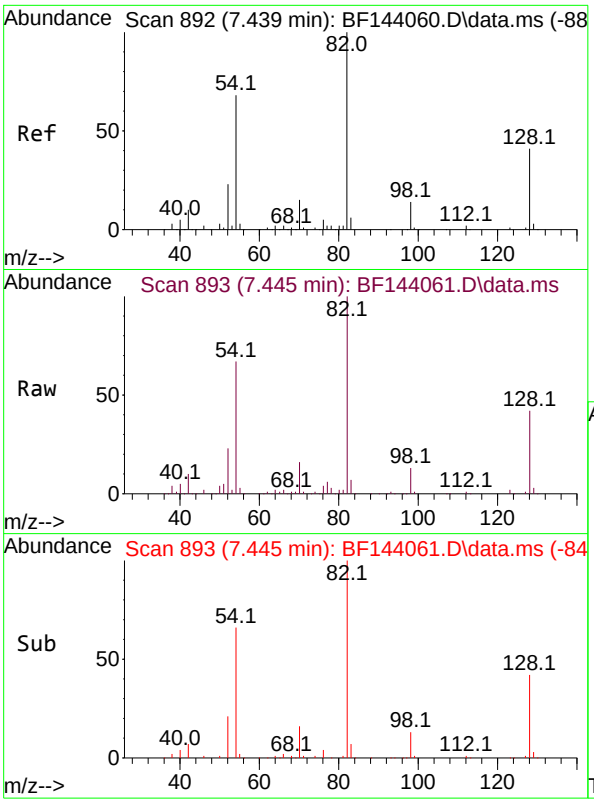


#22
Acetophenone
Concen: 45.930 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



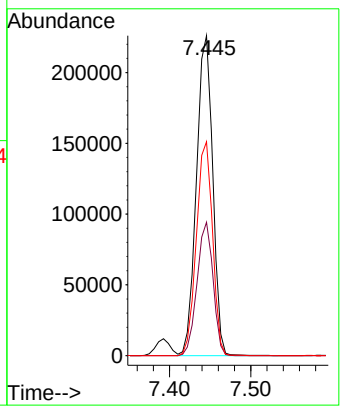


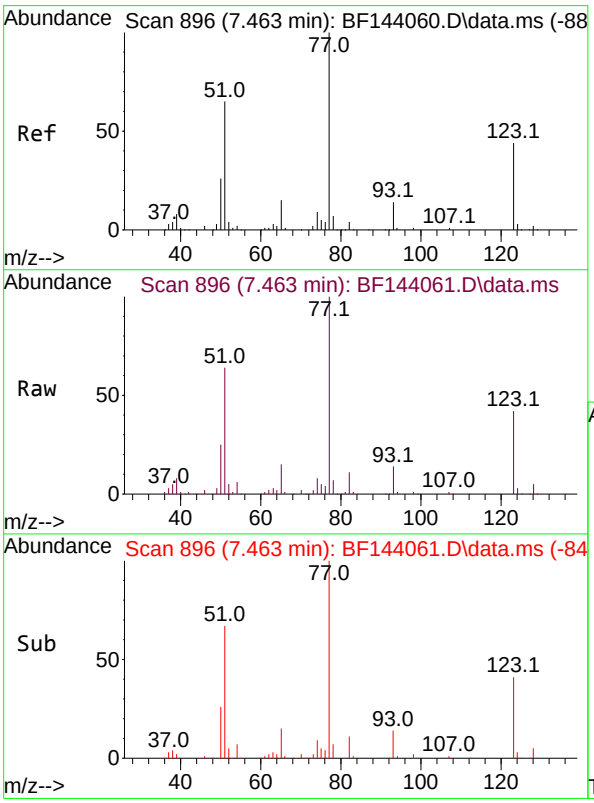
#23
Nitrobenzene-d5
Concen: 91.795 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

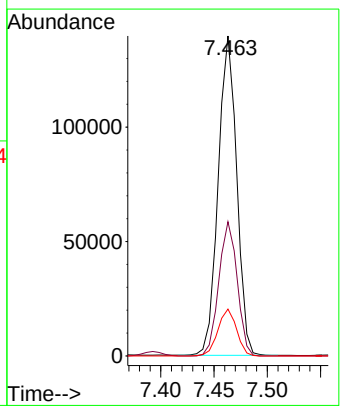


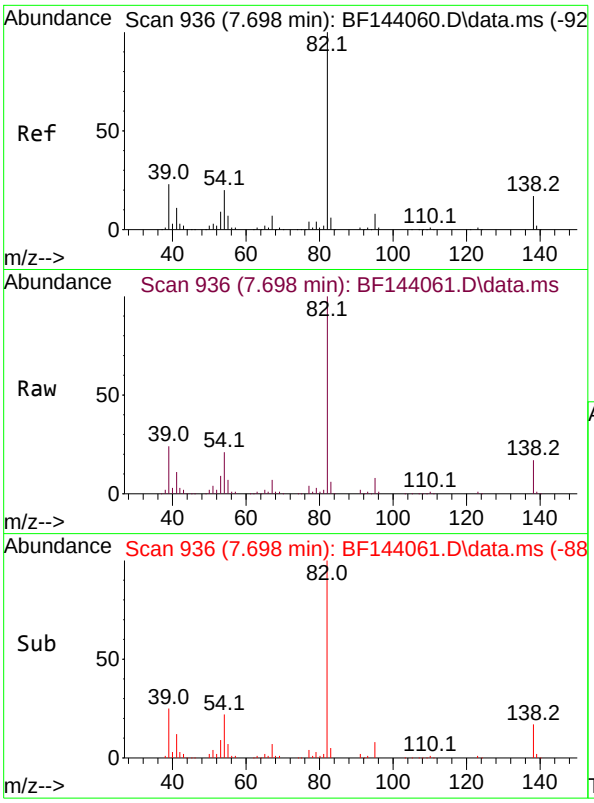


#24
Nitrobenzene
Concen: 46.643 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



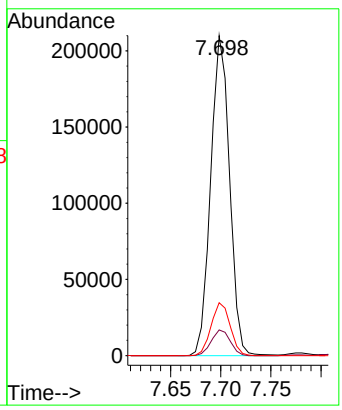


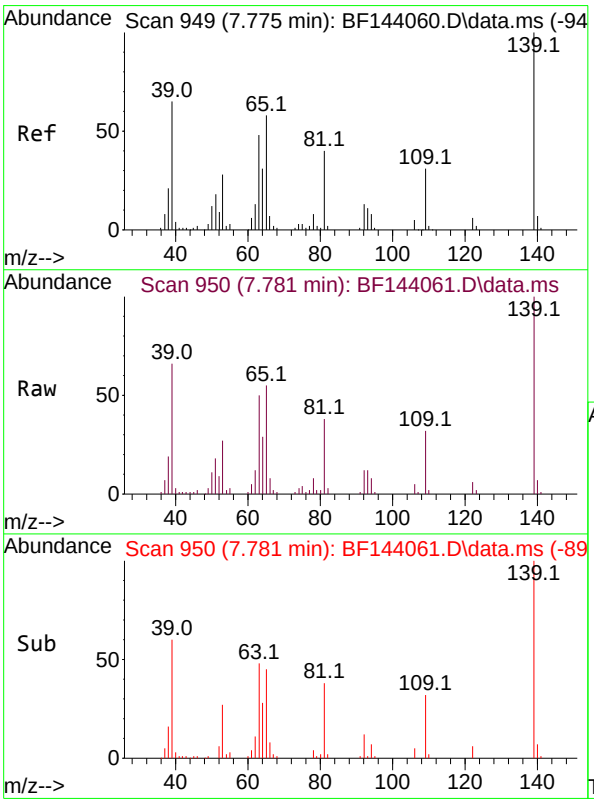
#25
Isophorone
Concen: 45.788 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

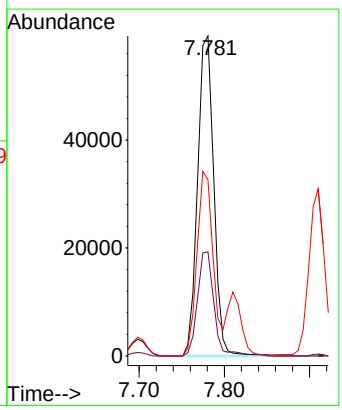


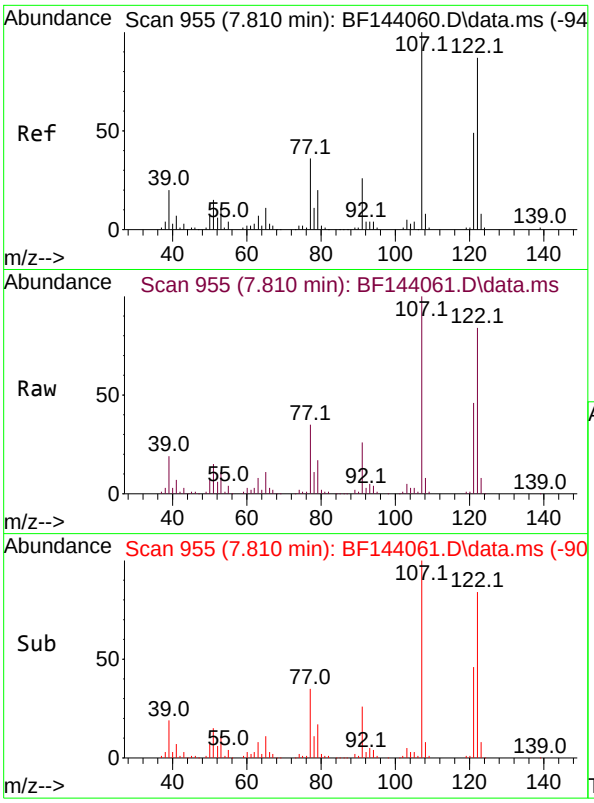


#26
2-Nitrophenol
Concen: 45.330 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



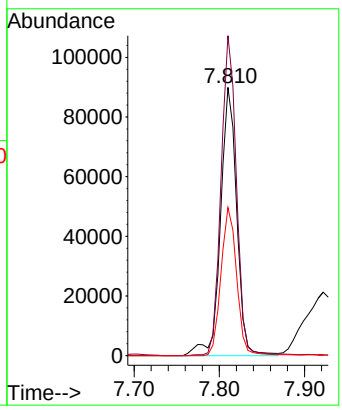


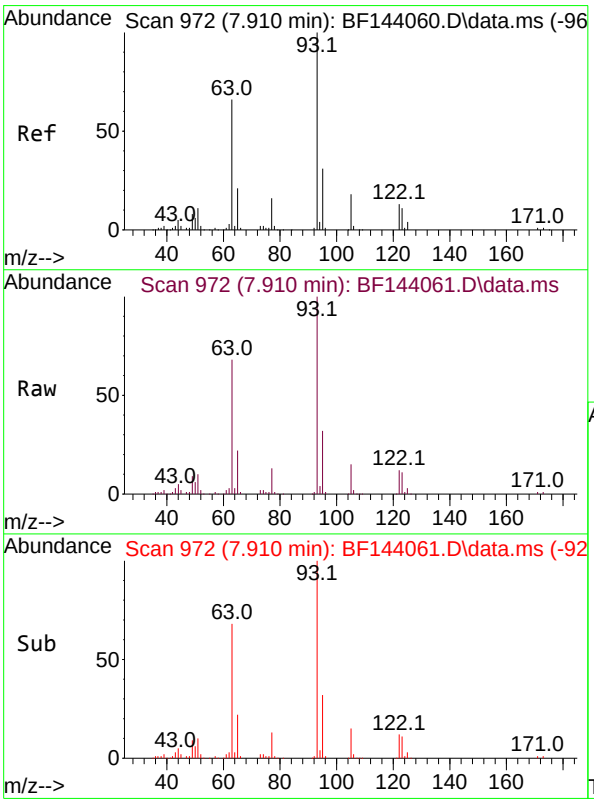
#27
2,4-Dimethylphenol
Concen: 46.475 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

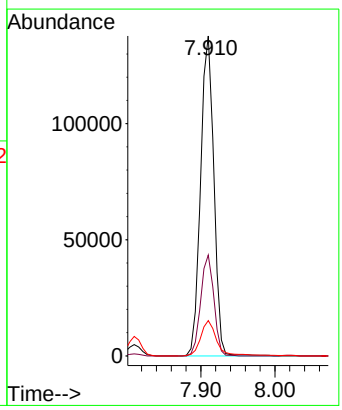


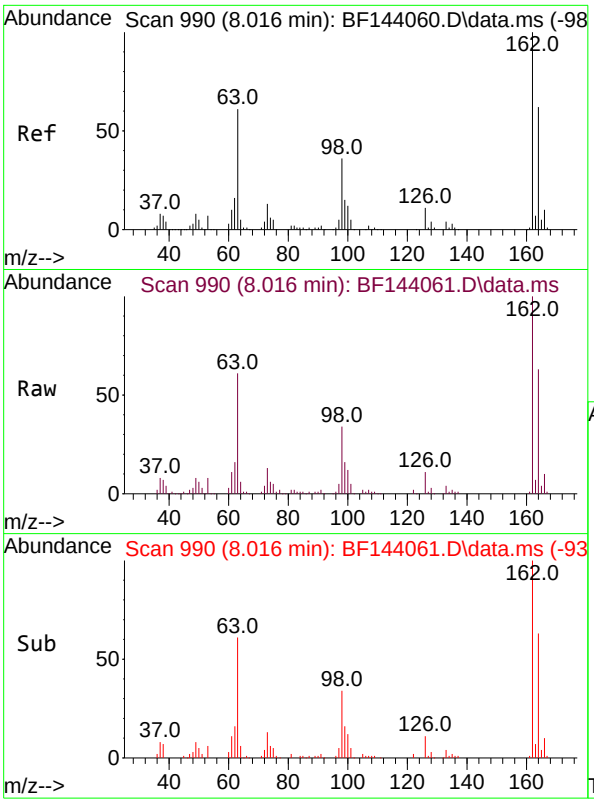


#28
bis(2-Chloroethoxy)methane
Concen: 45.816 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



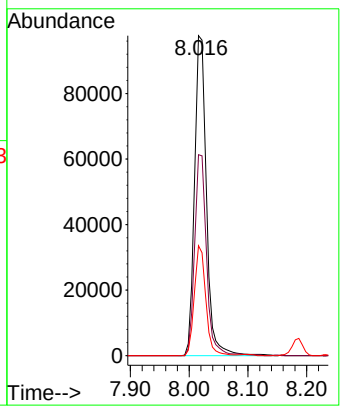


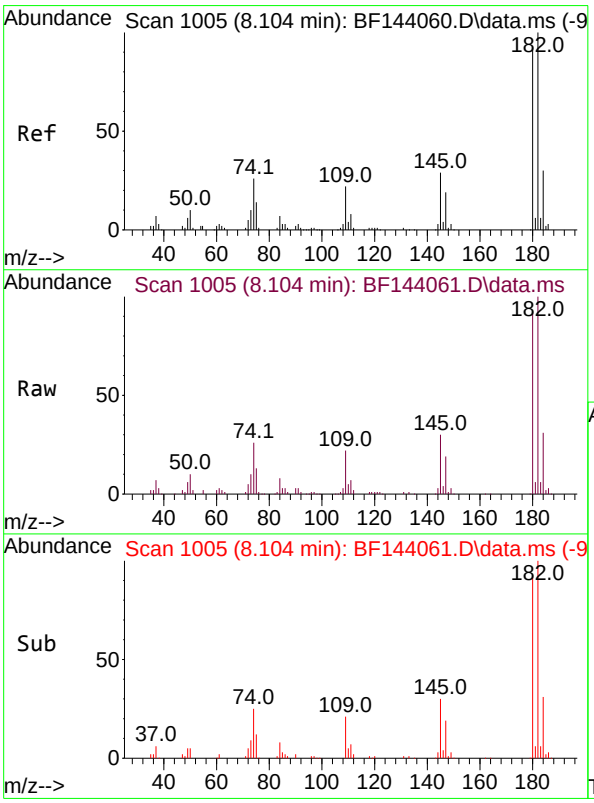
#29
2,4-Dichlorophenol
Concen: 46.140 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

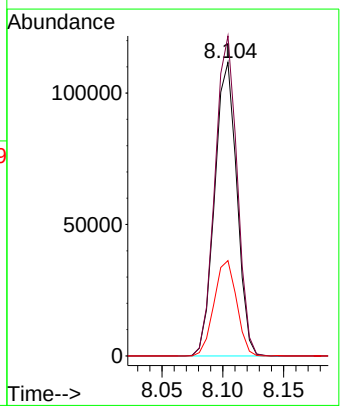


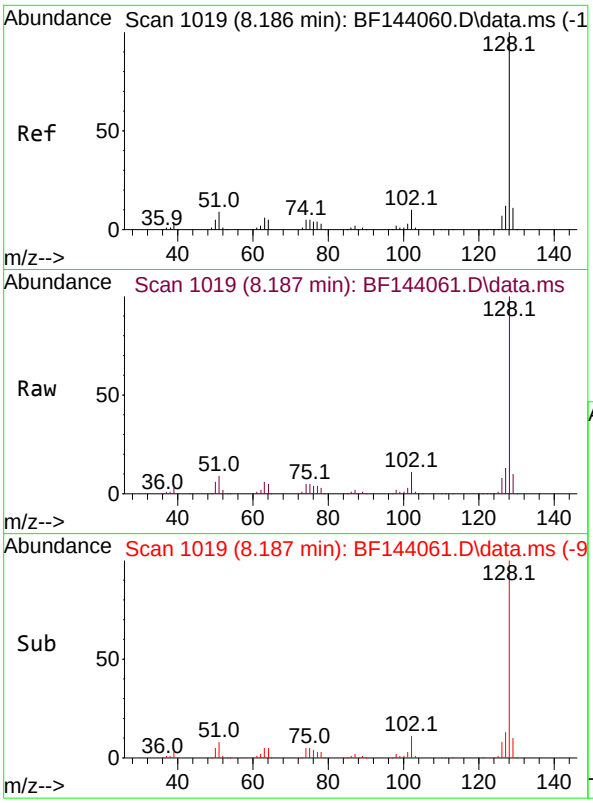


#30
1,2,4-Trichlorobenzene
Concen: 46.047 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



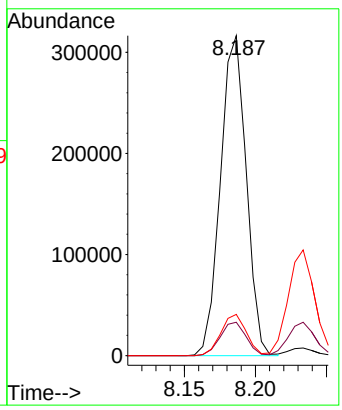


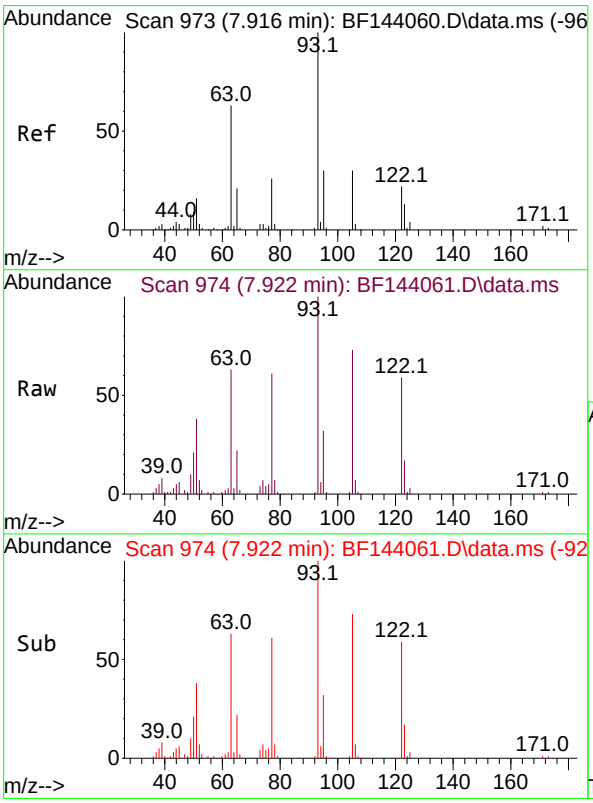
#31
Naphthalene
Concen: 45.150 ng
RT: 8.187 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

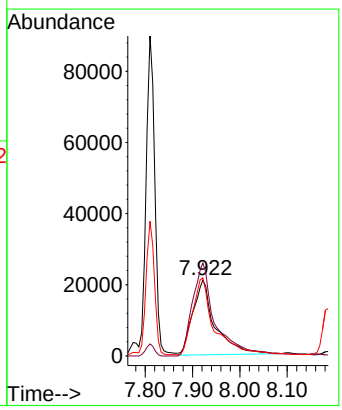


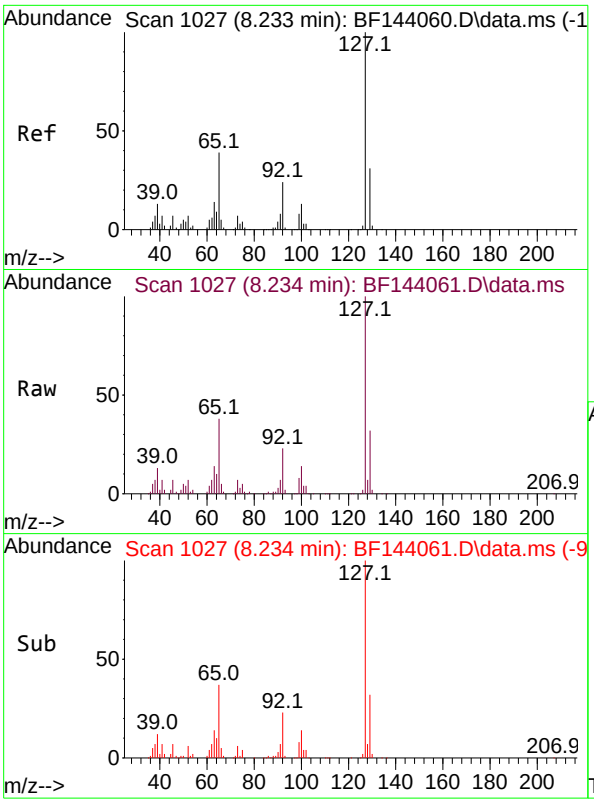


#32
Benzoic acid
Concen: 42.326 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



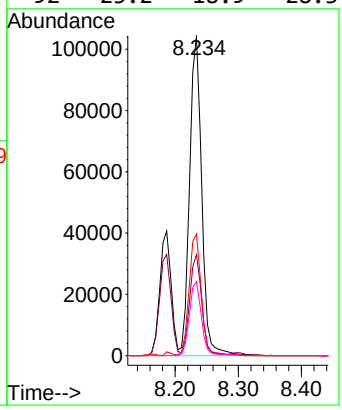


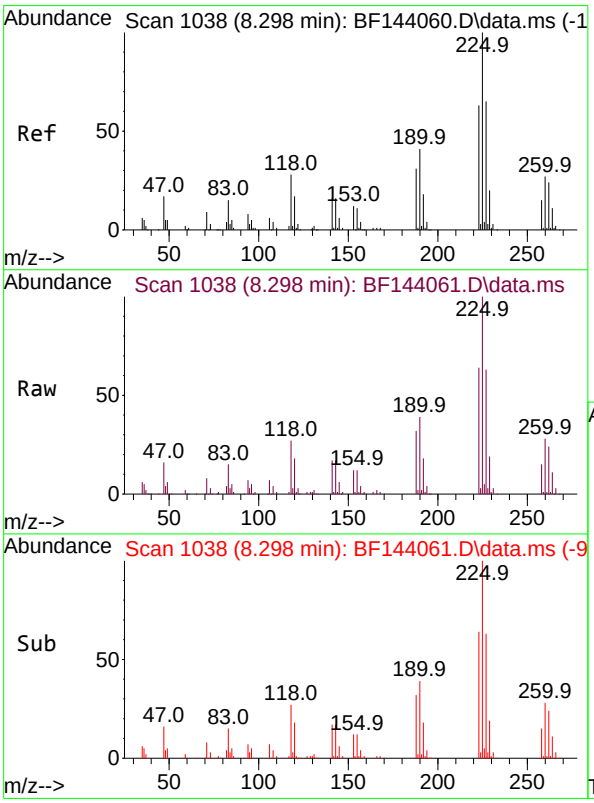
#33
4-Chloroaniline
Concen: 45.326 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

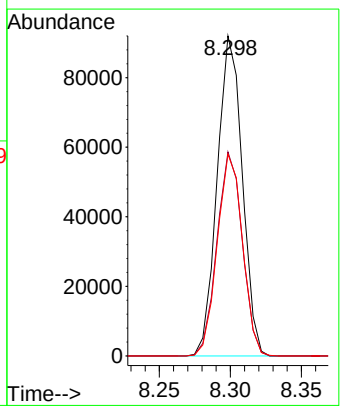


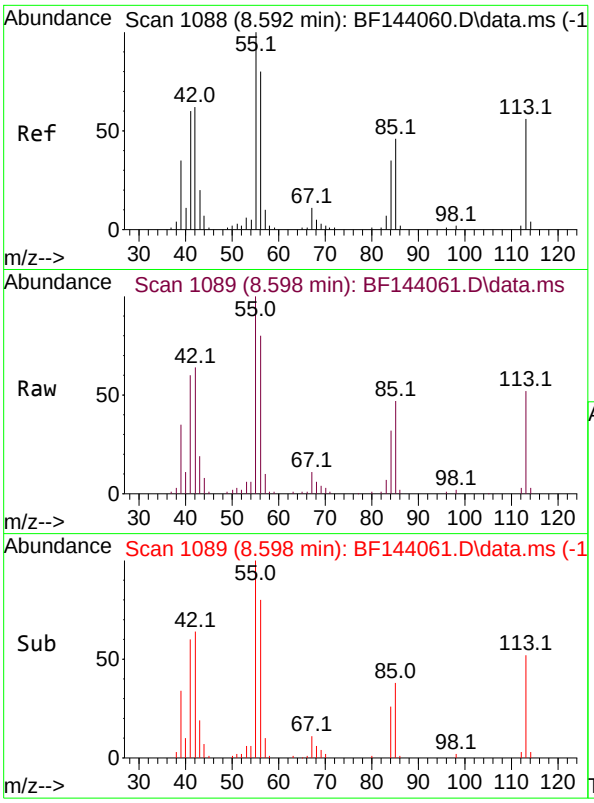


#34
Hexachlorobutadiene
Concen: 45.117 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



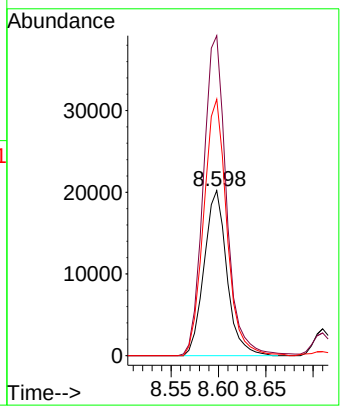


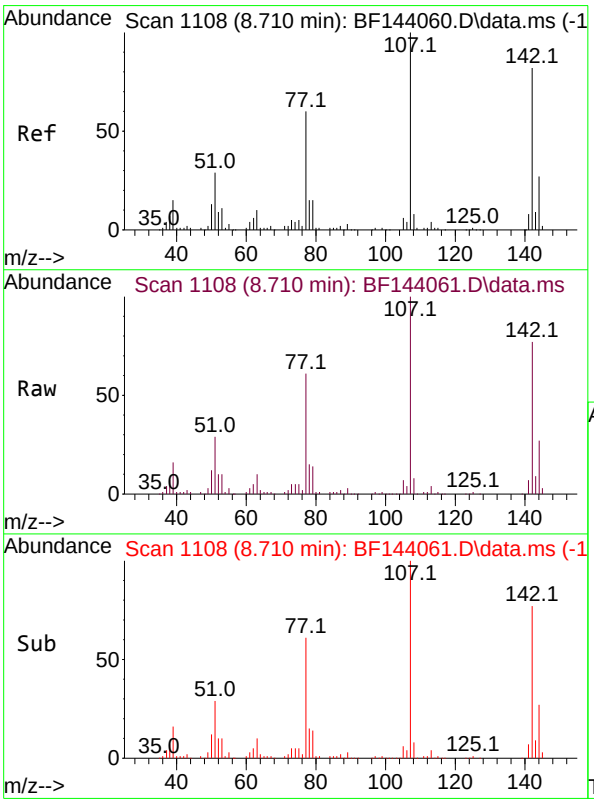
#35
Caprolactam
Concen: 45.169 ng
RT: 8.598 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

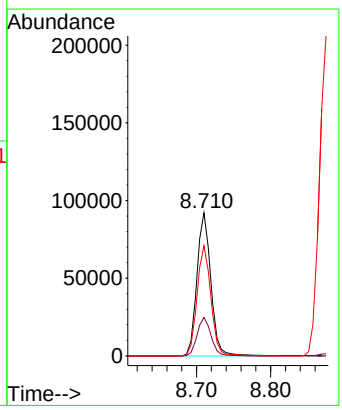


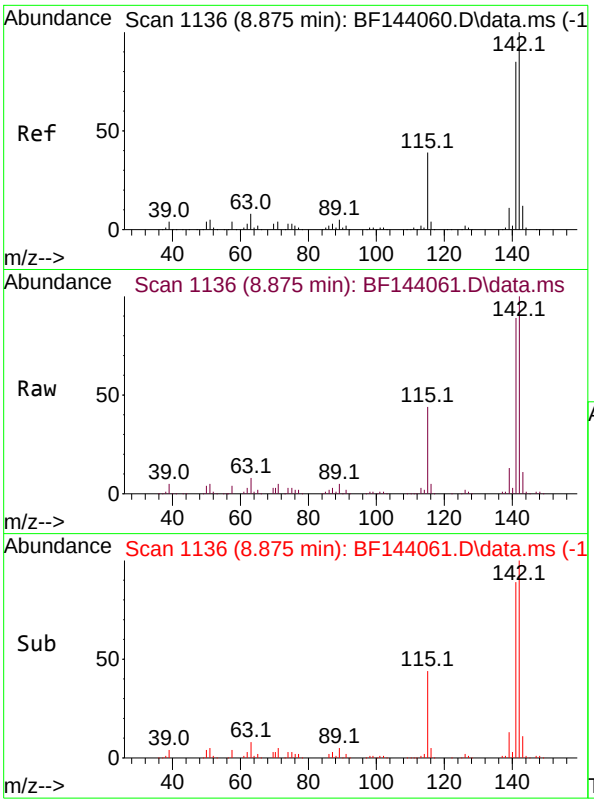


#36
4-Chloro-3-methylphenol
Concen: 45.853 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



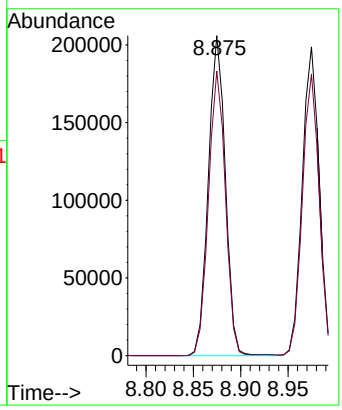


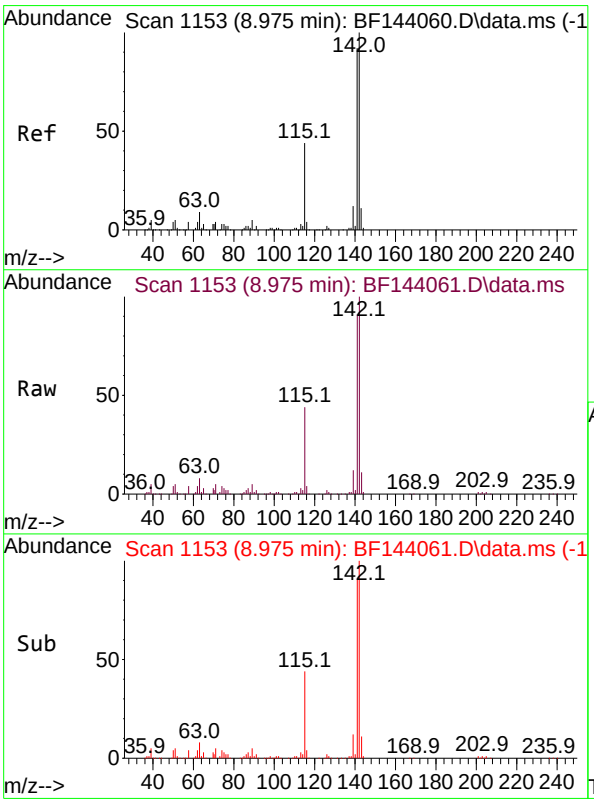
#37
2-Methylnaphthalene
Concen: 44.094 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 257754

Ion	Ratio	Lower	Upper
142	100		
141	88.9	67.6	101.4

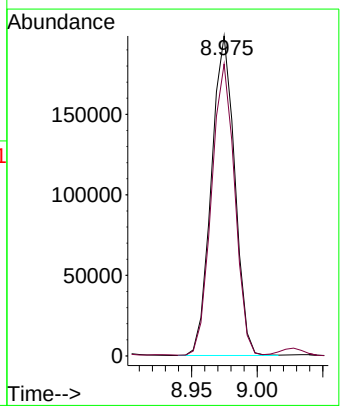


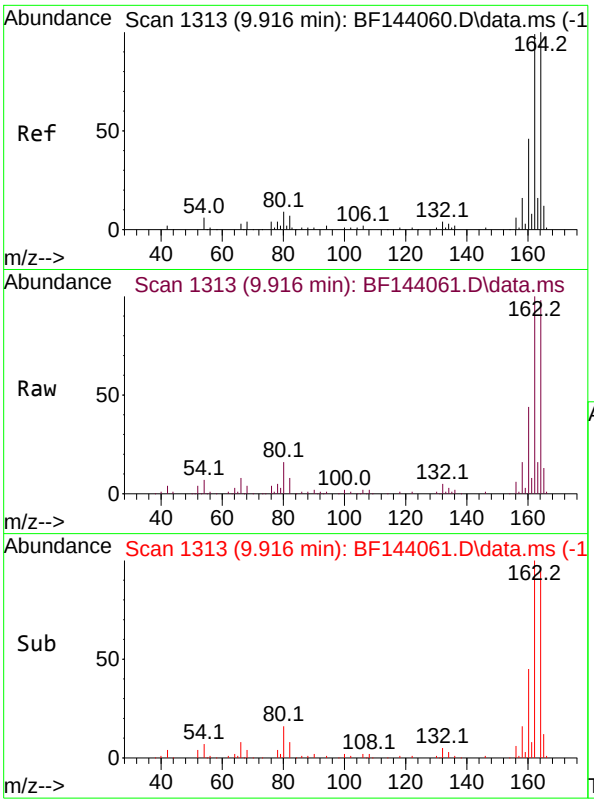


#38
1-Methylnaphthalene
Concen: 44.400 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:142 Resp: 245890

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.4	110.2



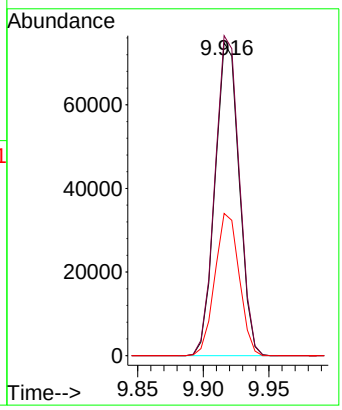


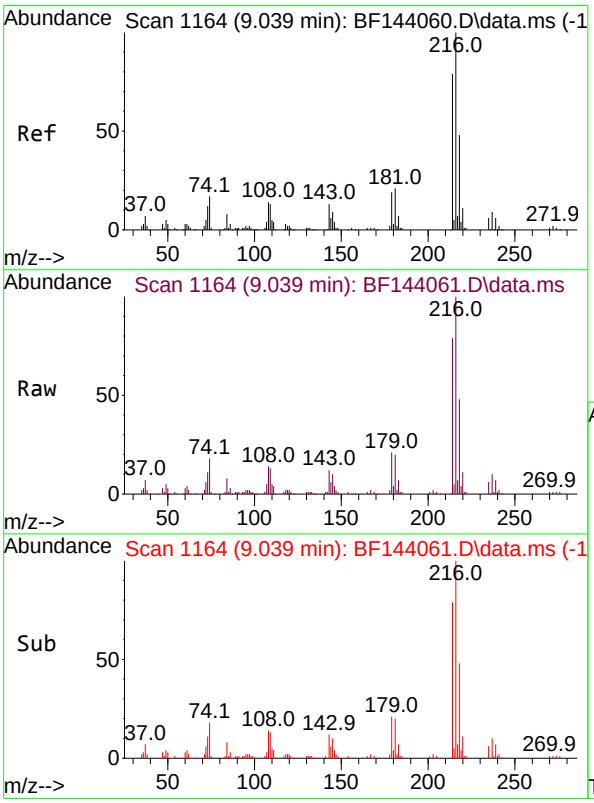
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

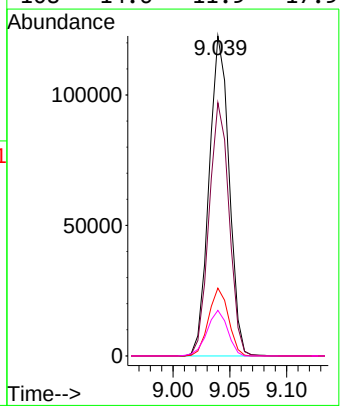


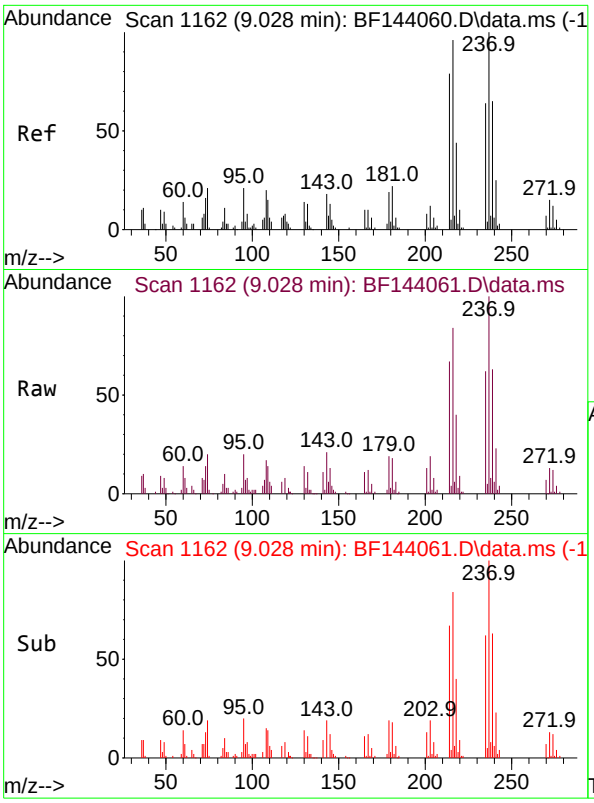


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.764 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



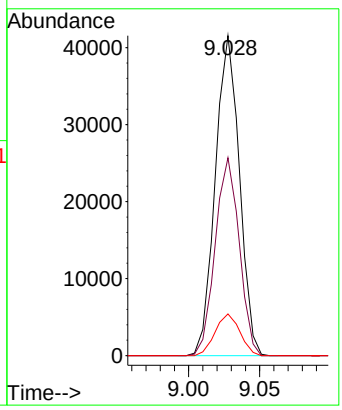


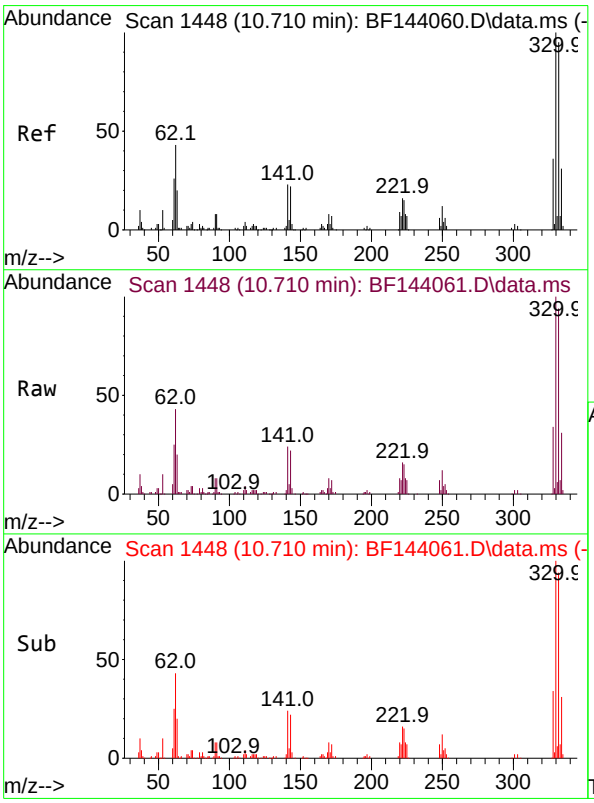
#41
Hexachlorocyclopentadiene
Concen: 48.354 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

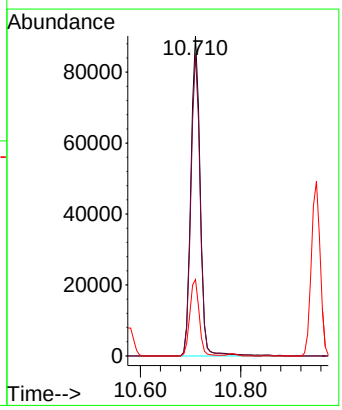


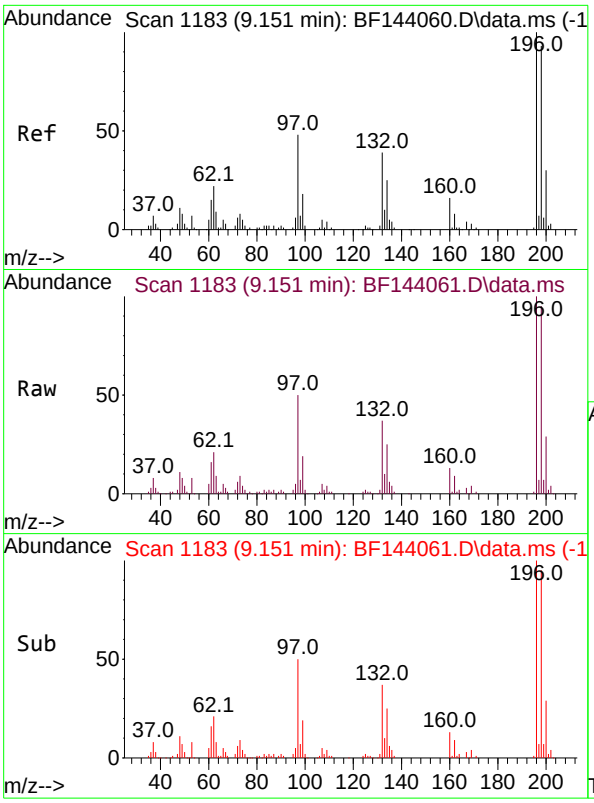


#42
2,4,6-Tribromophenol
Concen: 94.659 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



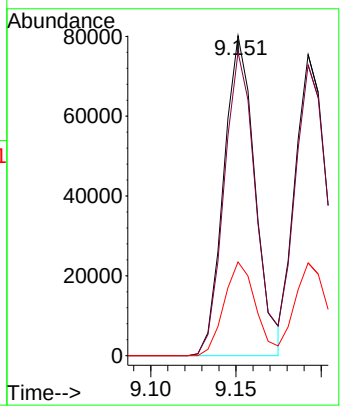


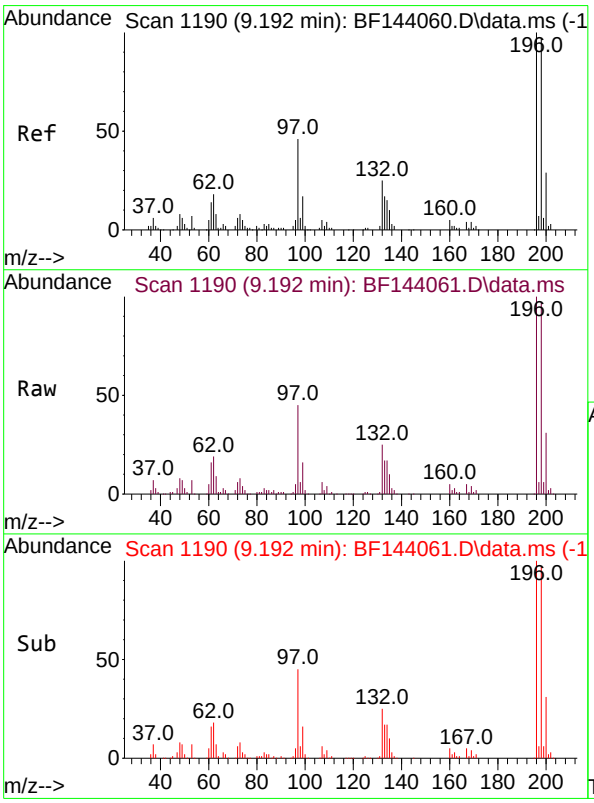
#43
2,4,6-Trichlorophenol
Concen: 47.829 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

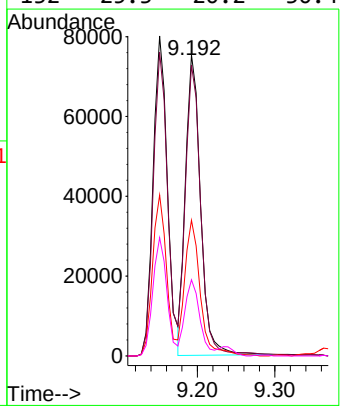


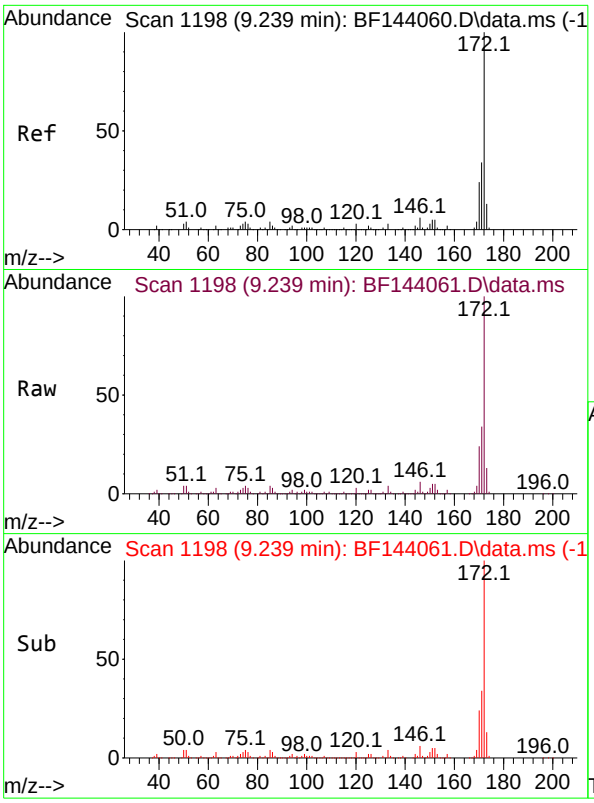


#44
2,4,5-Trichlorophenol
Concen: 45.562 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



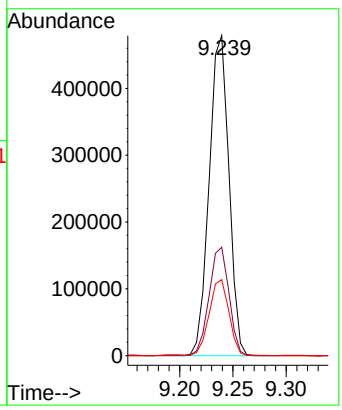


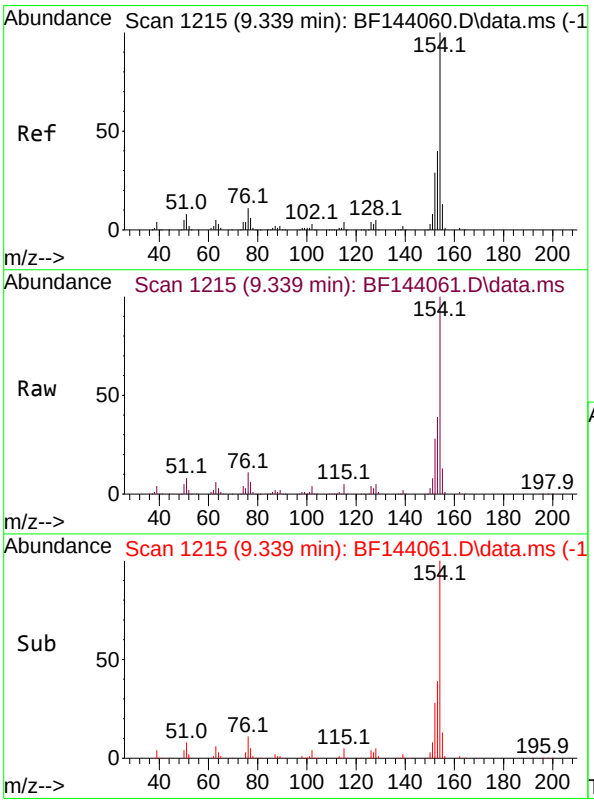
#45
2-Fluorobiphenyl
Concen: 90.861 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

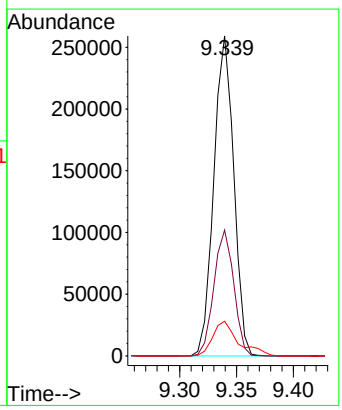


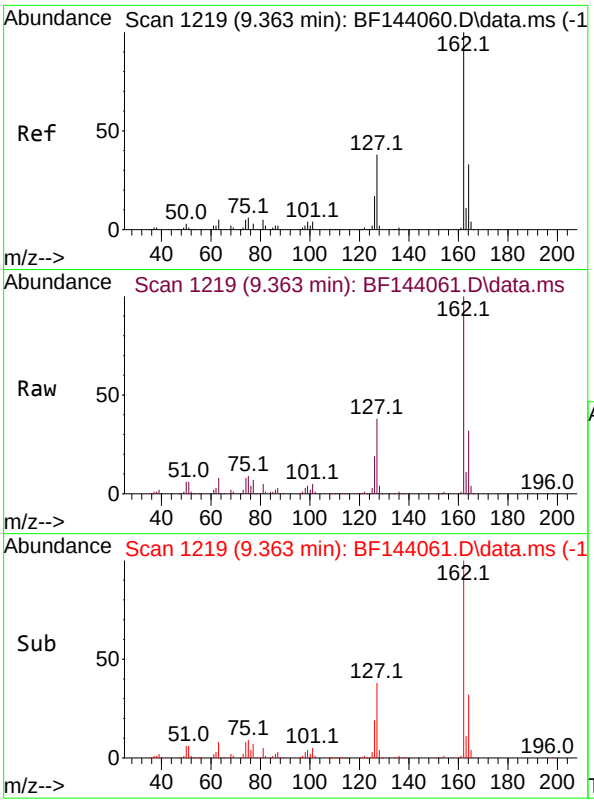


#46
1,1'-Biphenyl
Concen: 45.996 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



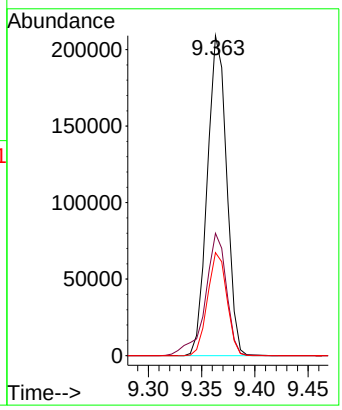


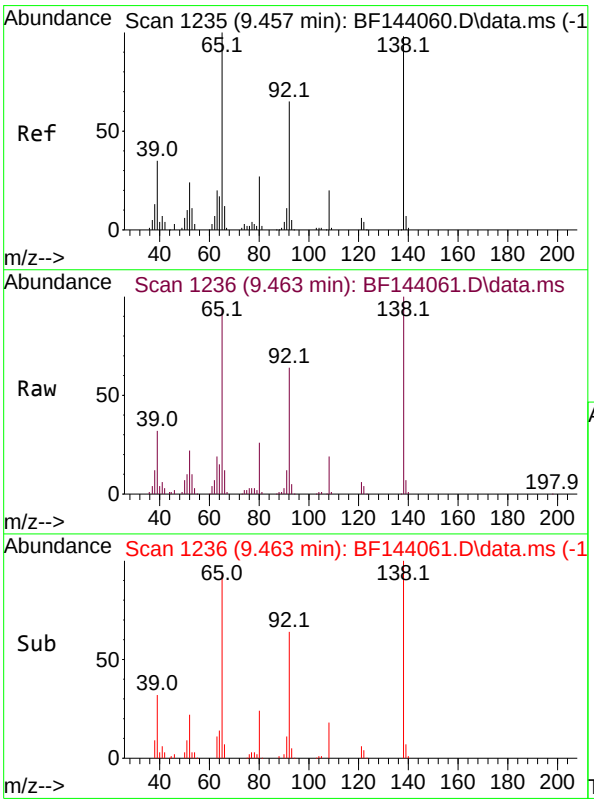
#47
2-Chloronaphthalene
Concen: 45.914 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

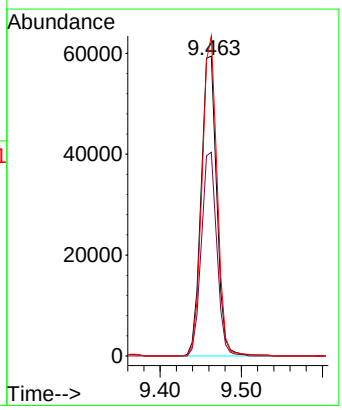


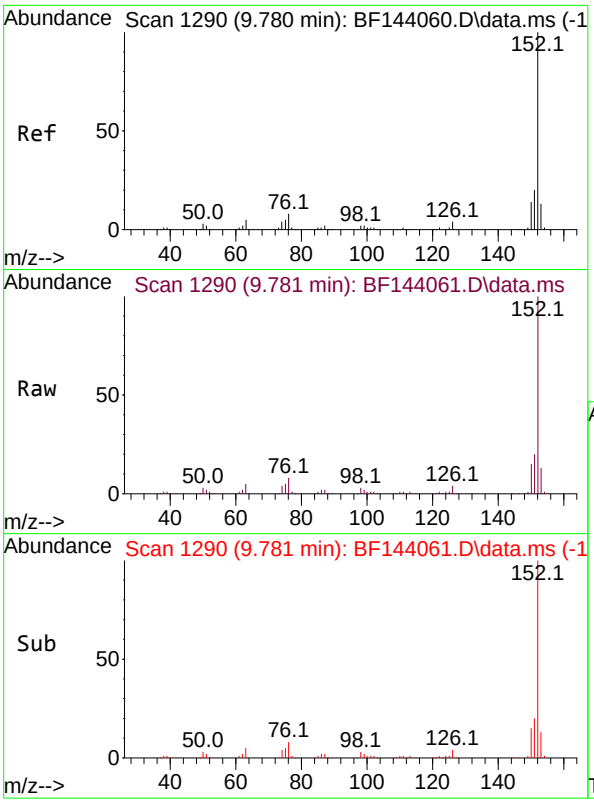


#48
2-Nitroaniline
Concen: 46.691 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



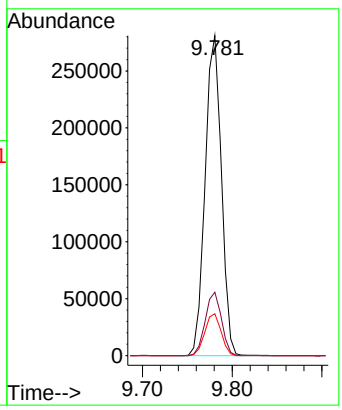


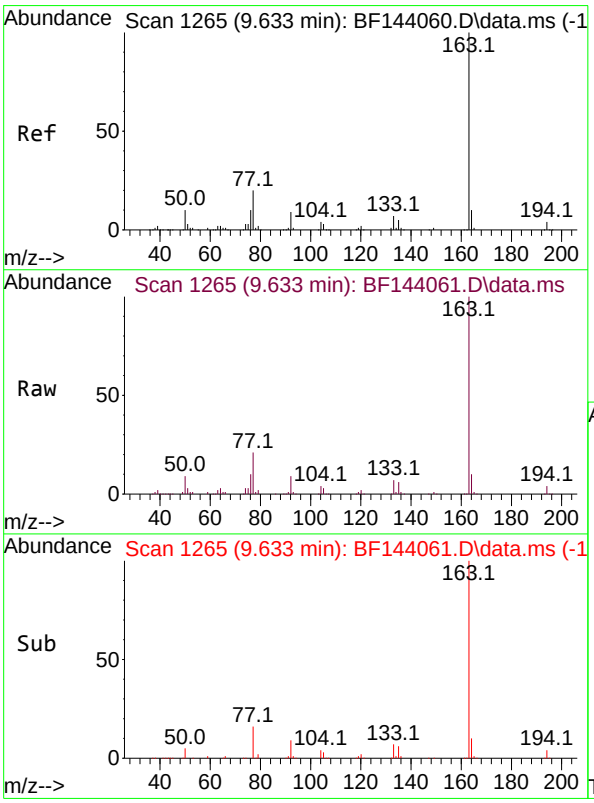
#49
Acenaphthylene
Concen: 45.641 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

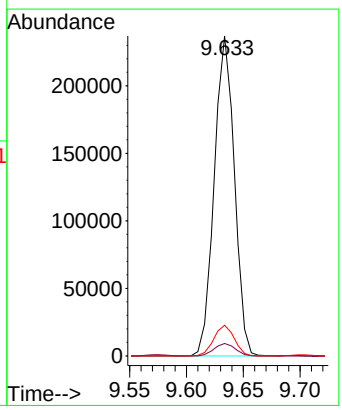


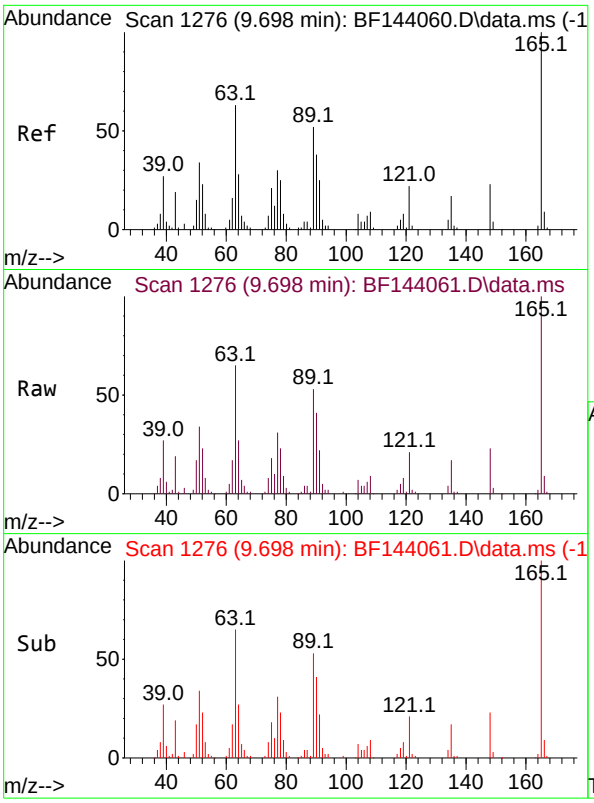


#50
Dimethylphthalate
Concen: 46.495 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



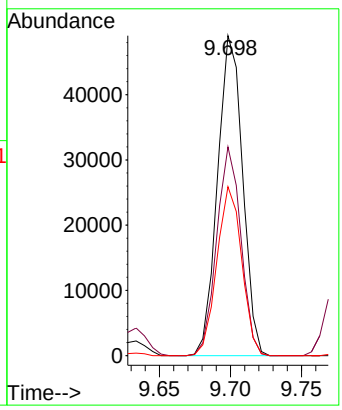


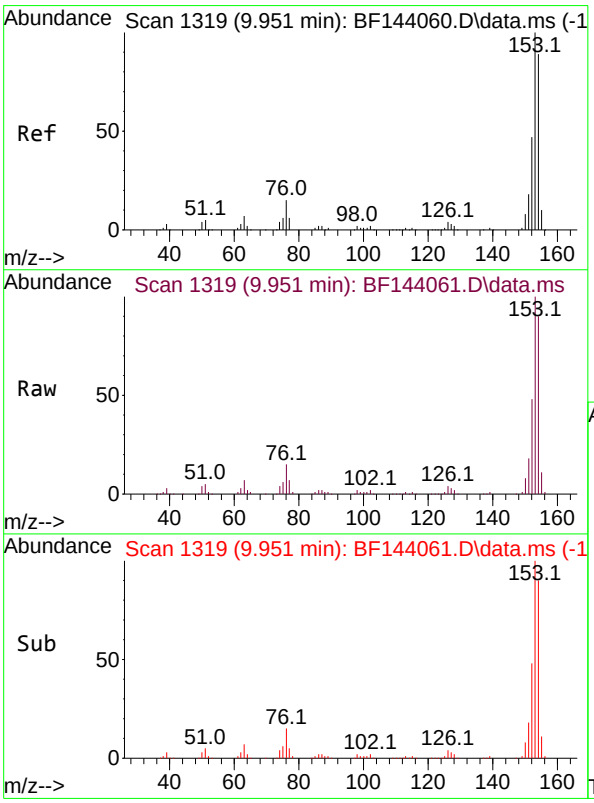
#51
2,6-Dinitrotoluene
Concen: 48.590 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

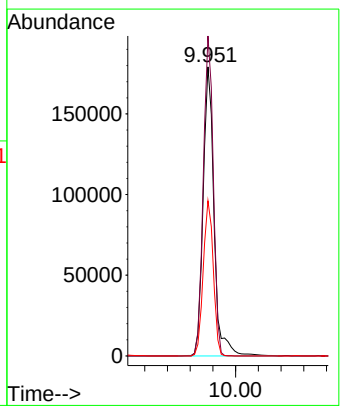


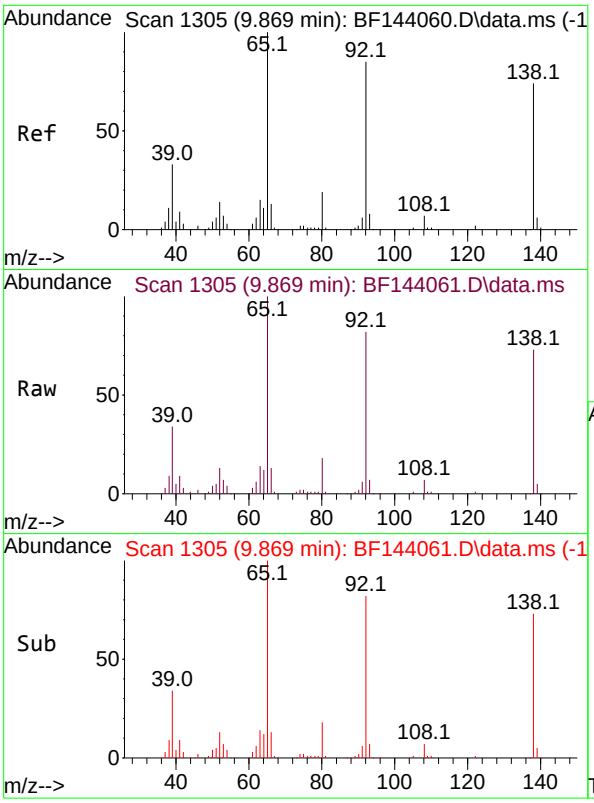


#52
Acenaphthene
Concen: 46.250 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



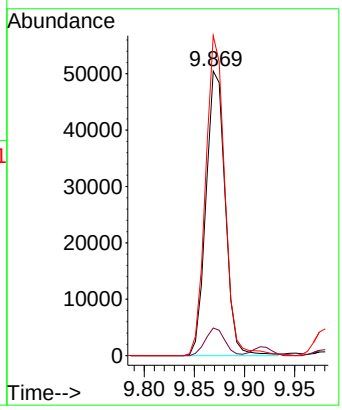


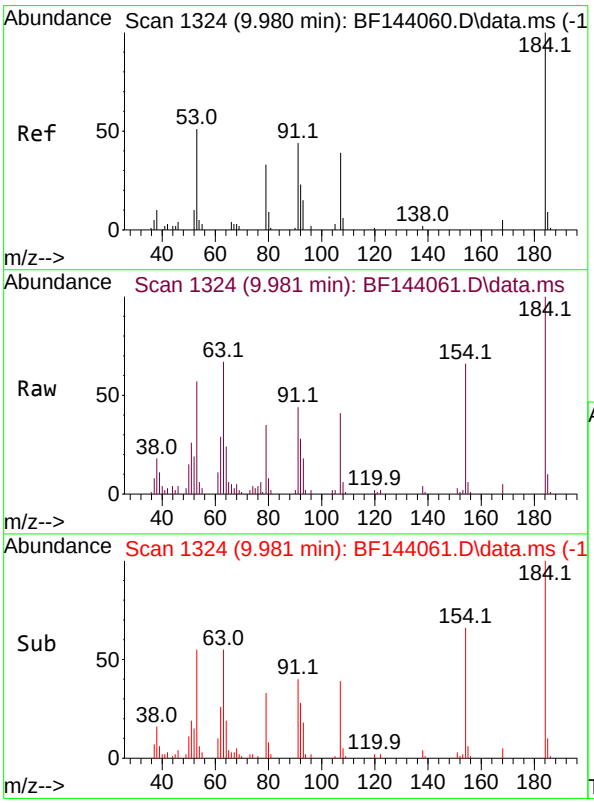
#53
3-Nitroaniline
Concen: 48.727 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

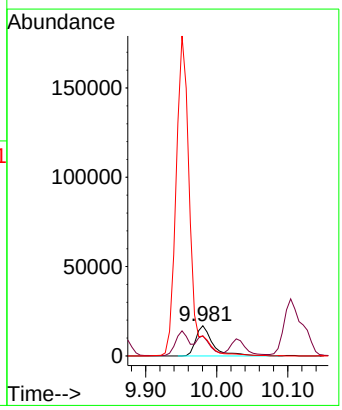


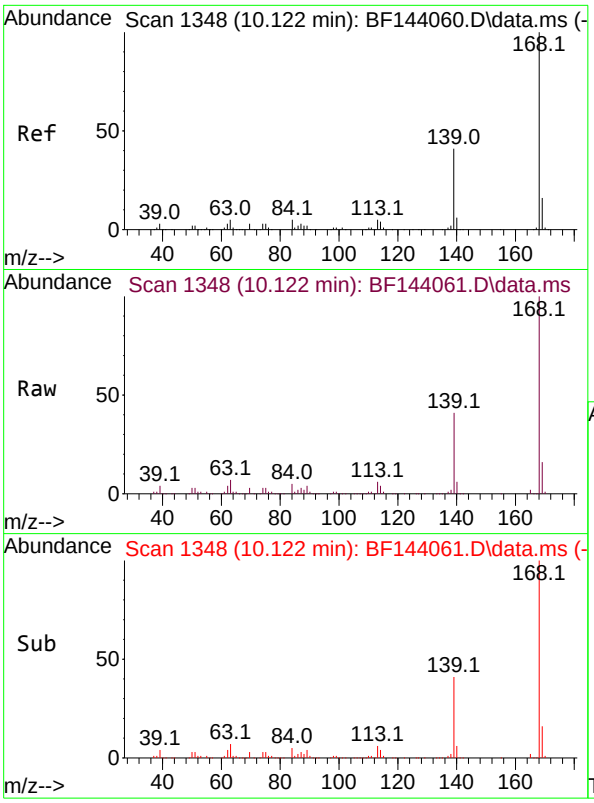


#54
2,4-Dinitrophenol
Concen: 41.328 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



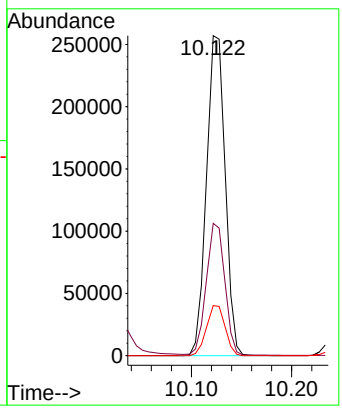


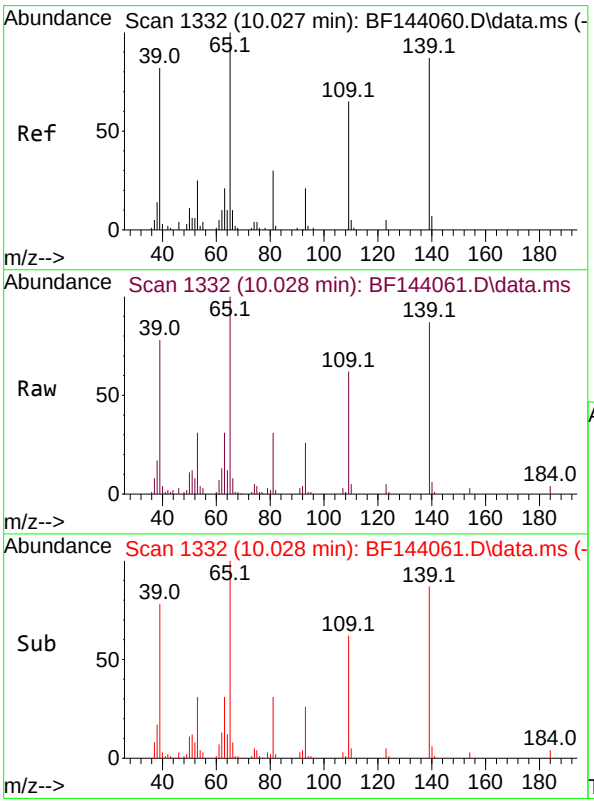
#55
Dibenzofuran
Concen: 46.390 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

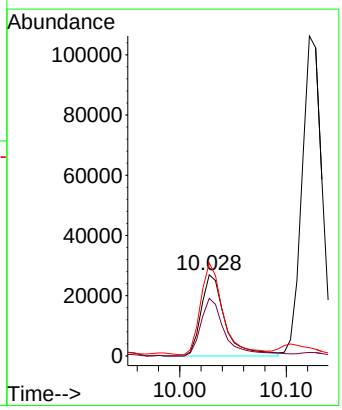


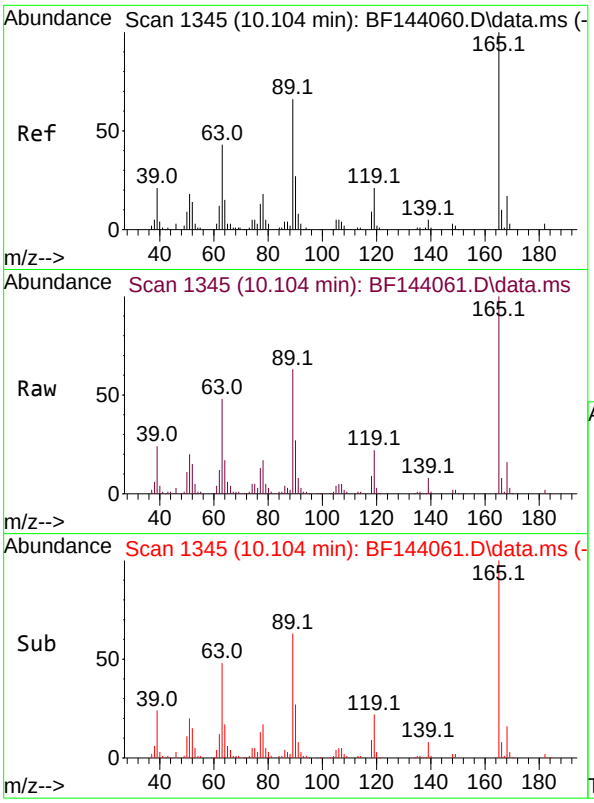


#56
4-Nitrophenol
Concen: 44.760 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



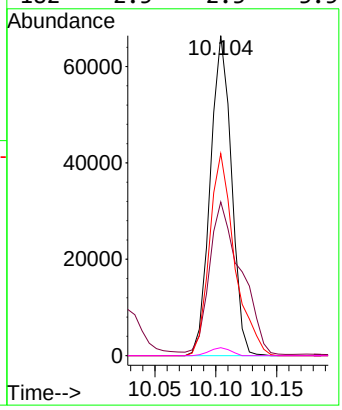


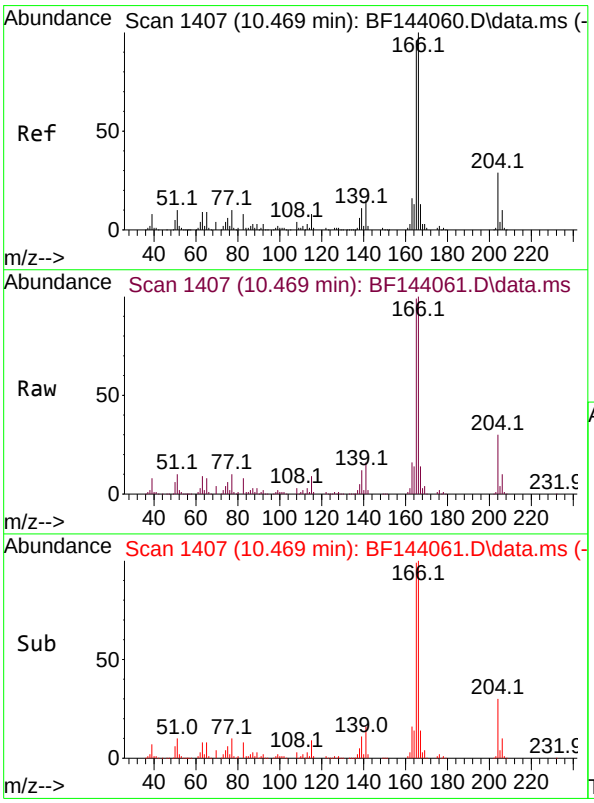
#57
2,4-Dinitrotoluene
Concen: 48.075 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

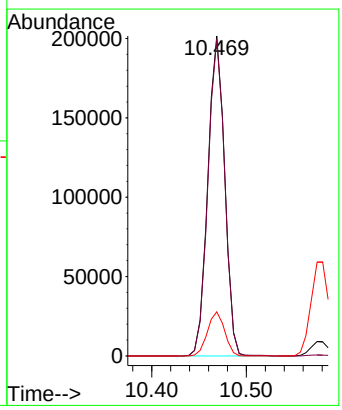


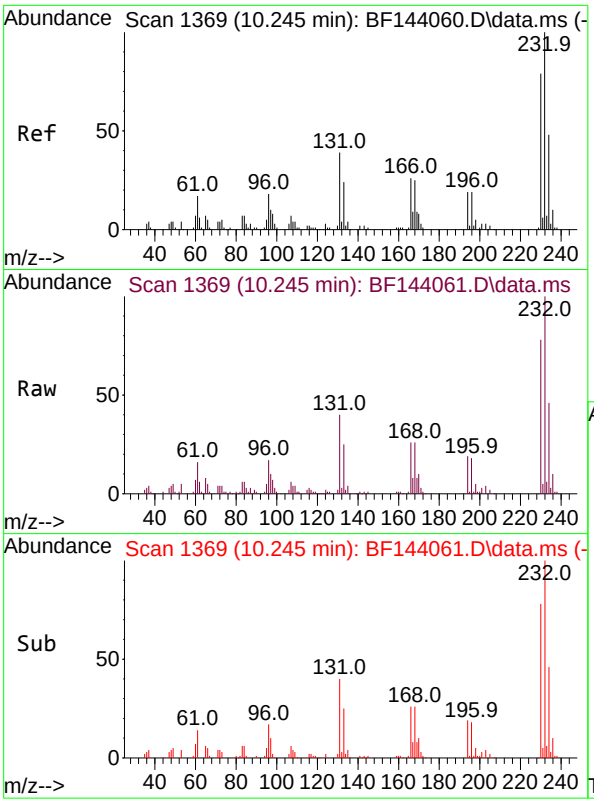


#58
Fluorene
Concen: 45.558 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



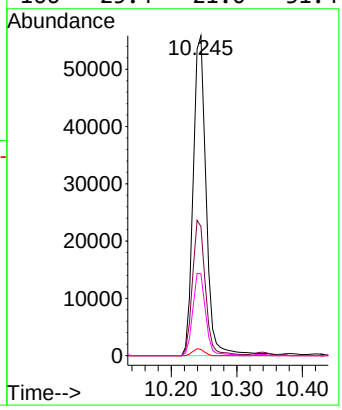


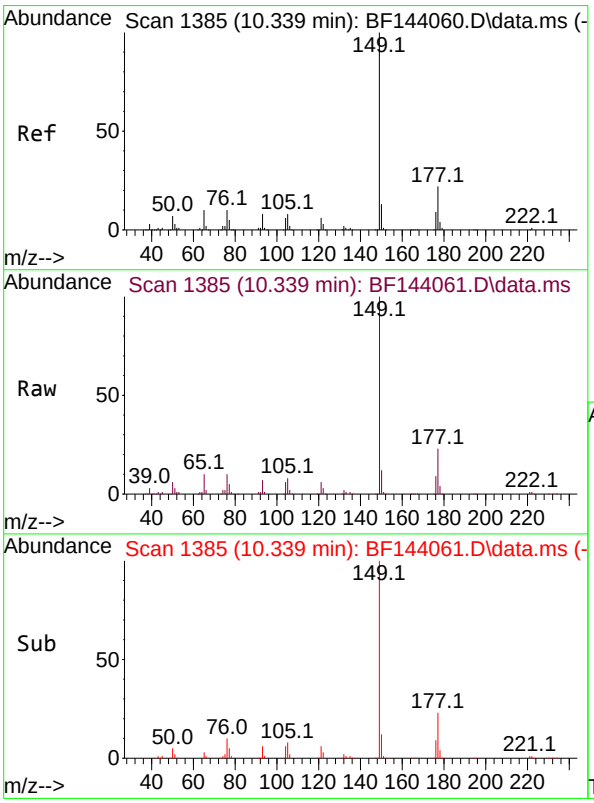
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.766 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

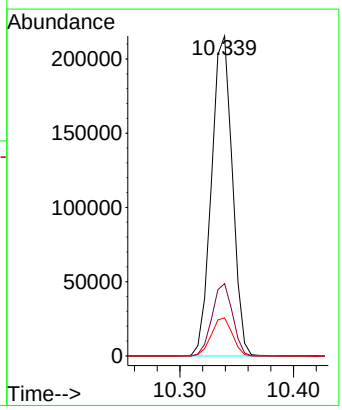


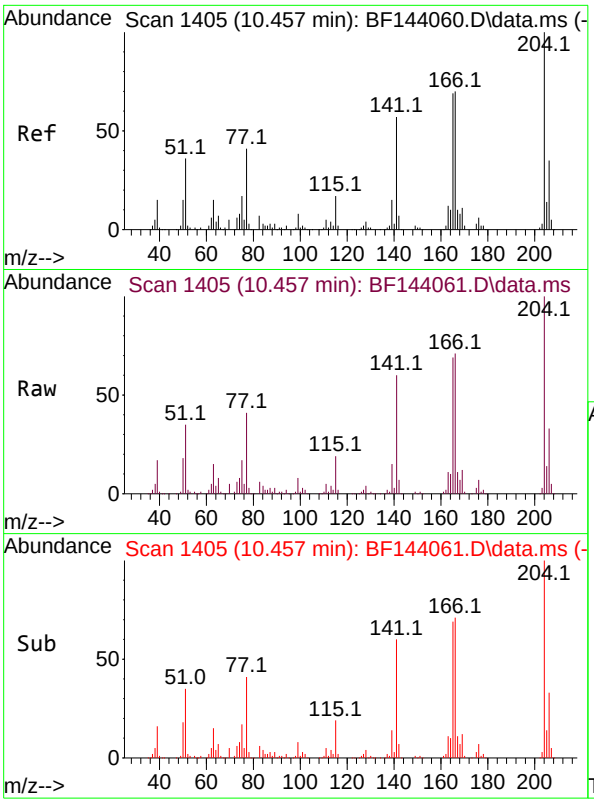


#60
Diethylphthalate
Concen: 46.451 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



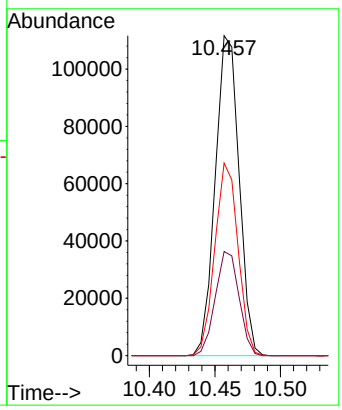


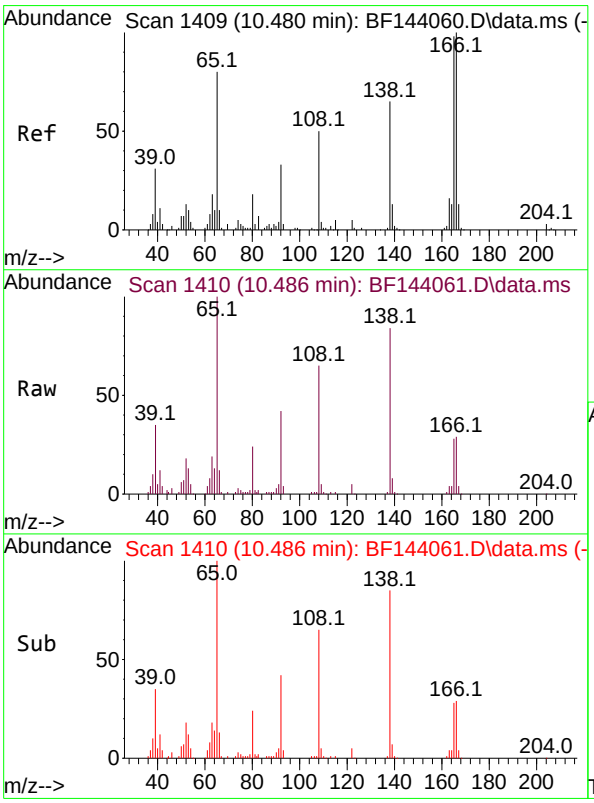
#61
4-Chlorophenyl-phenylether
Concen: 46.015 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

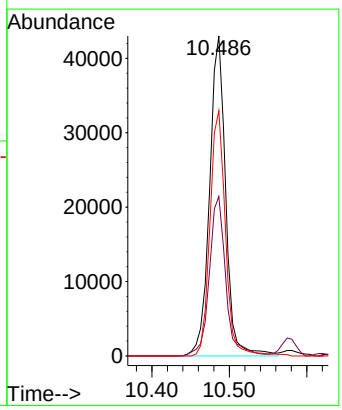


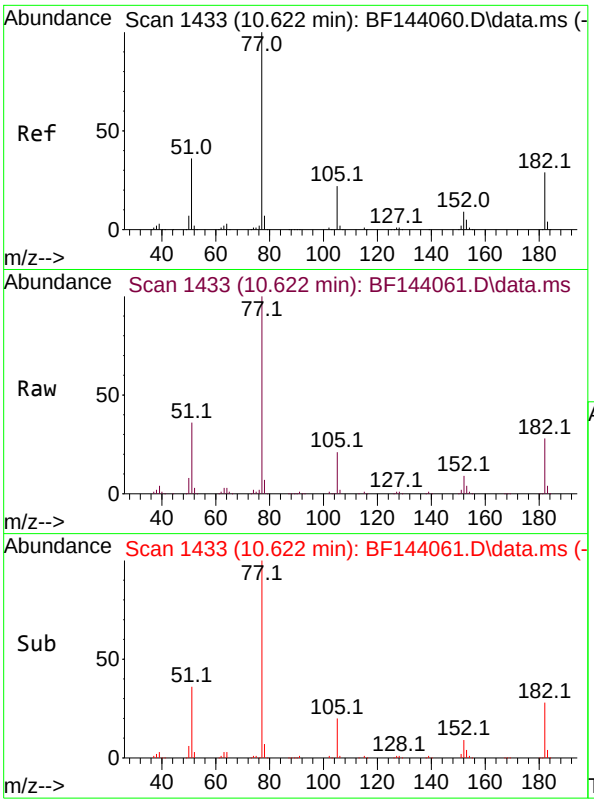


#62
4-Nitroaniline
Concen: 47.618 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



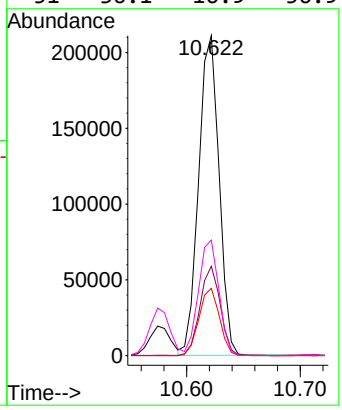


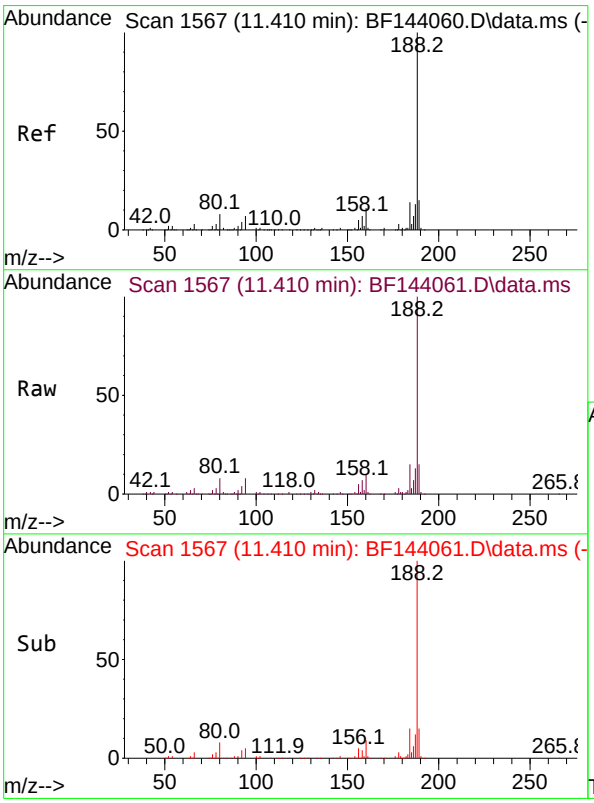
#63
Azobenzene
Concen: 47.243 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

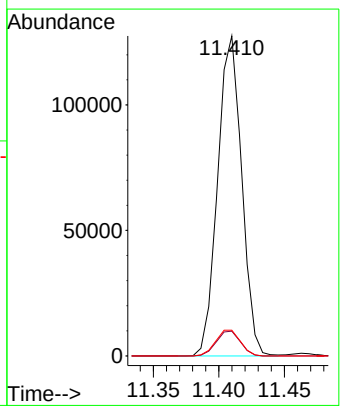


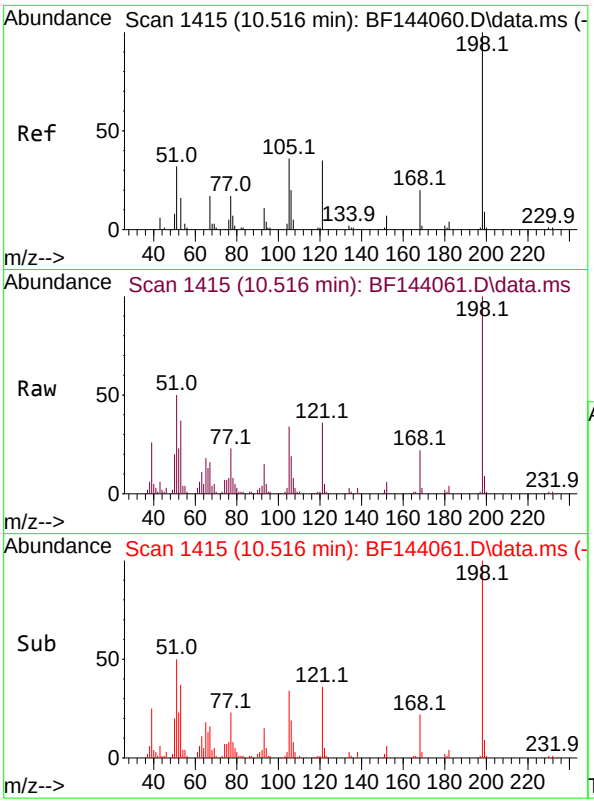


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



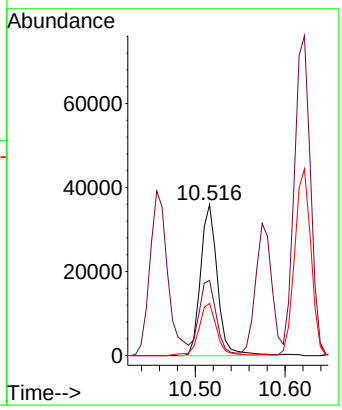


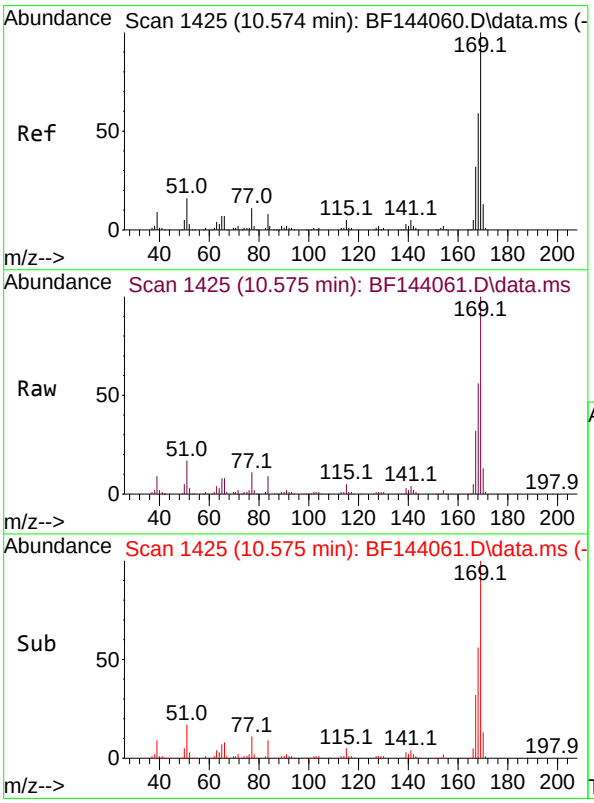
#65
4,6-Dinitro-2-methylphenol
Concen: 44.864 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

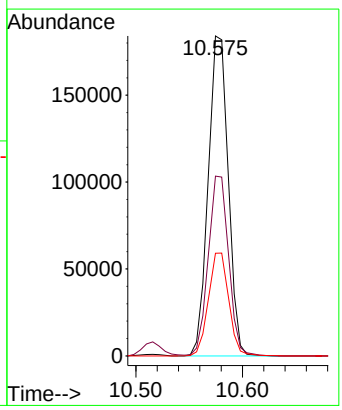


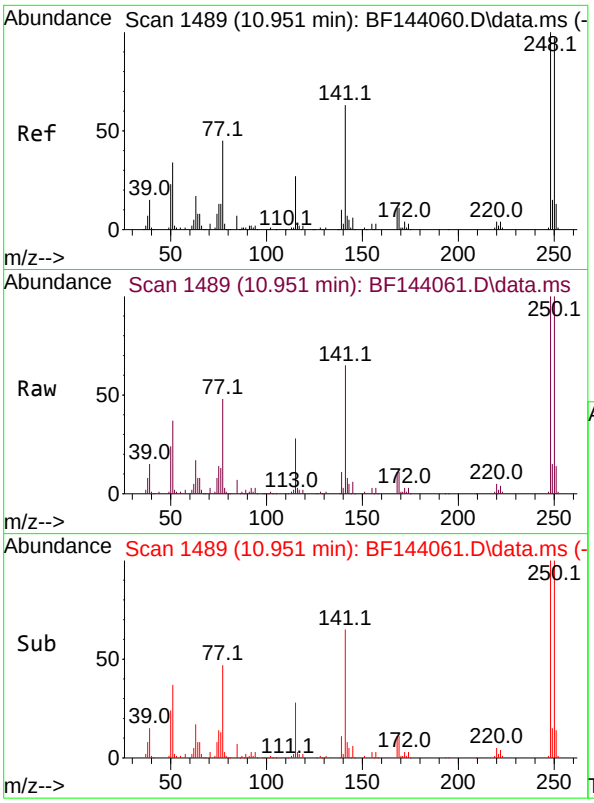


#66
n-Nitrosodiphenylamine
Concen: 46.171 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



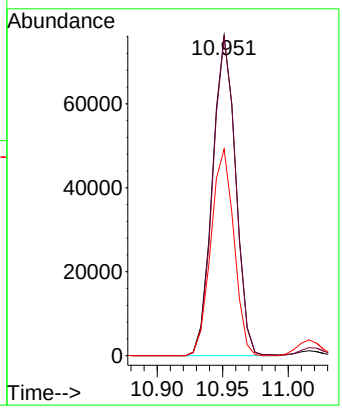


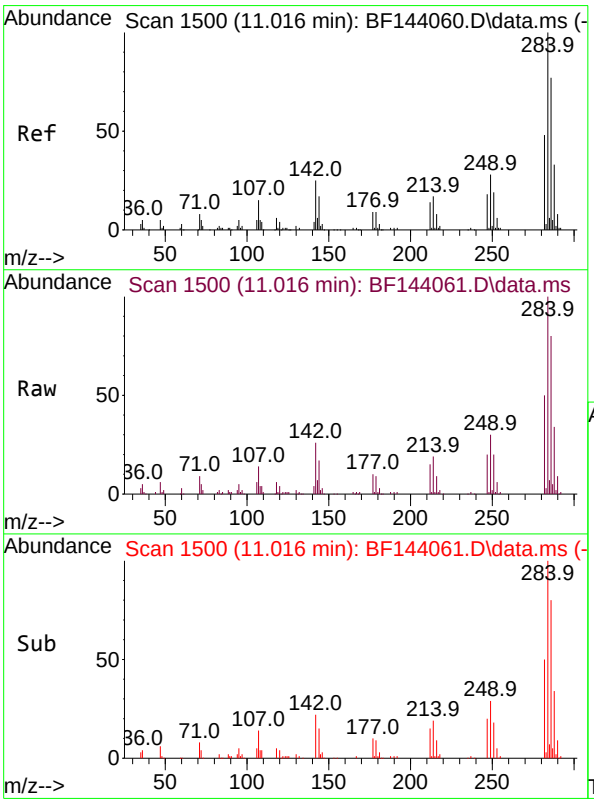
#67
4-Bromophenyl-phenylether
Concen: 45.996 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

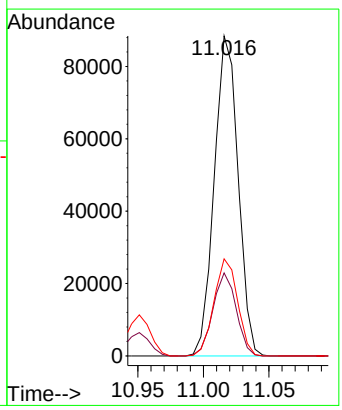


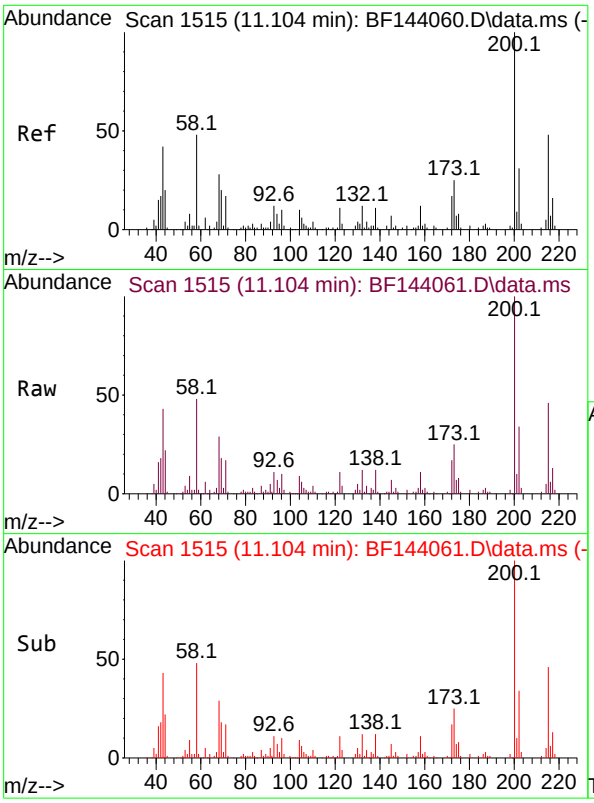


#68
Hexachlorobenzene
Concen: 44.706 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



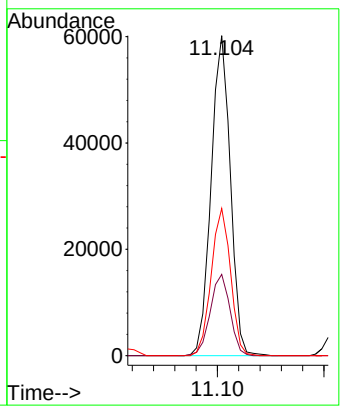


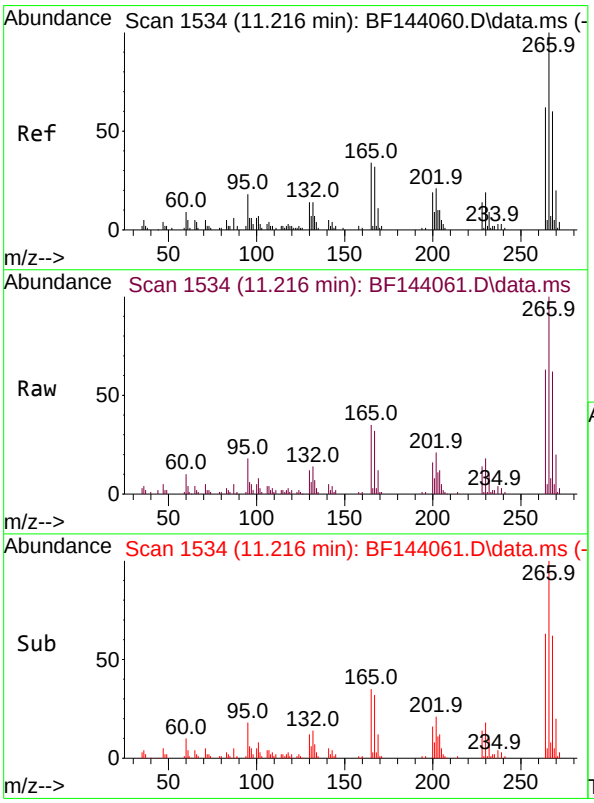
#69
Atrazine
Concen: 44.162 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

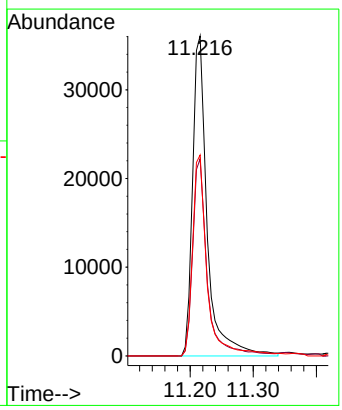


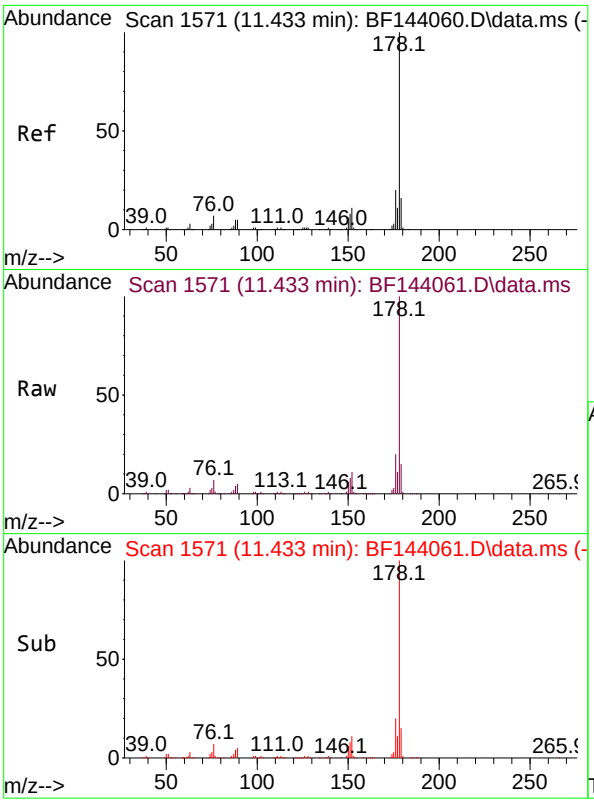


#70
Pentachlorophenol
Concen: 48.981 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



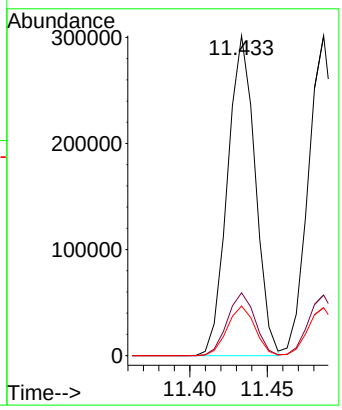


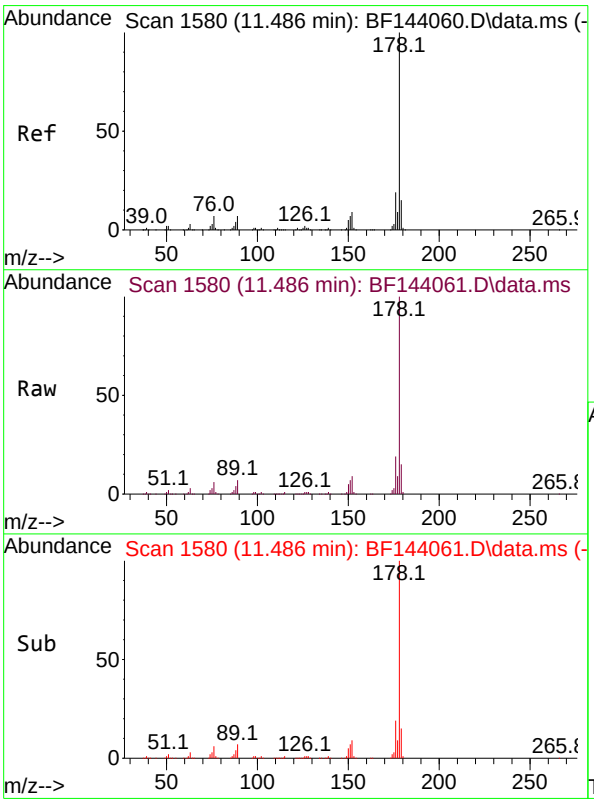
#71
Phenanthrene
Concen: 46.205 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

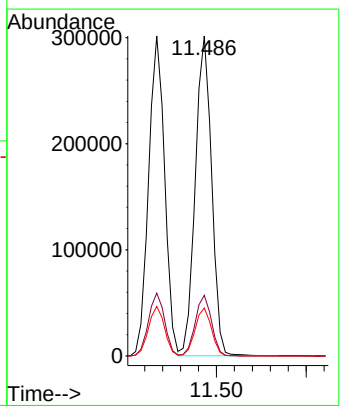


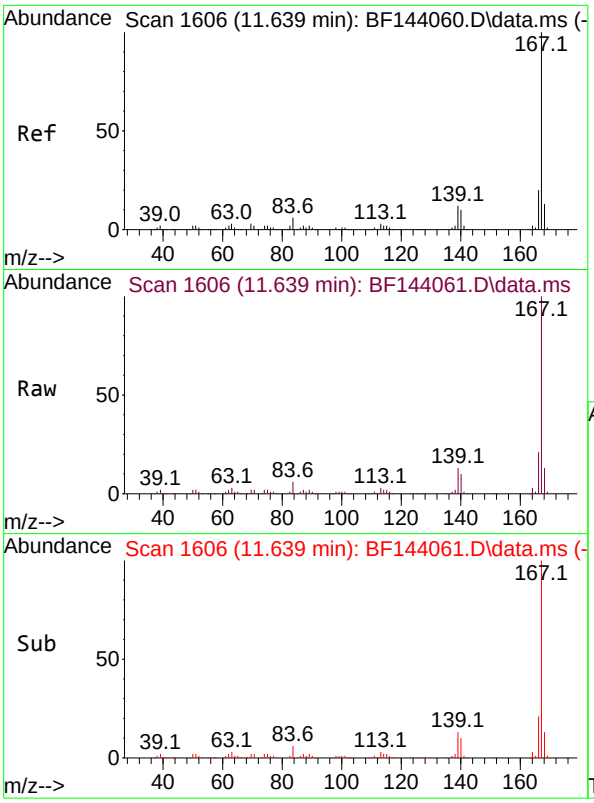


#72
Anthracene
Concen: 45.423 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



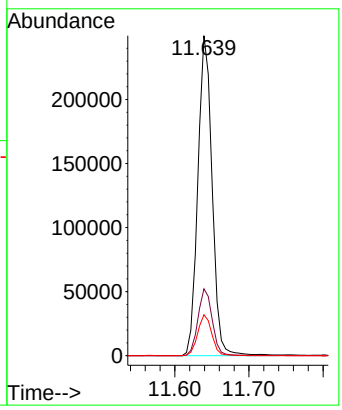


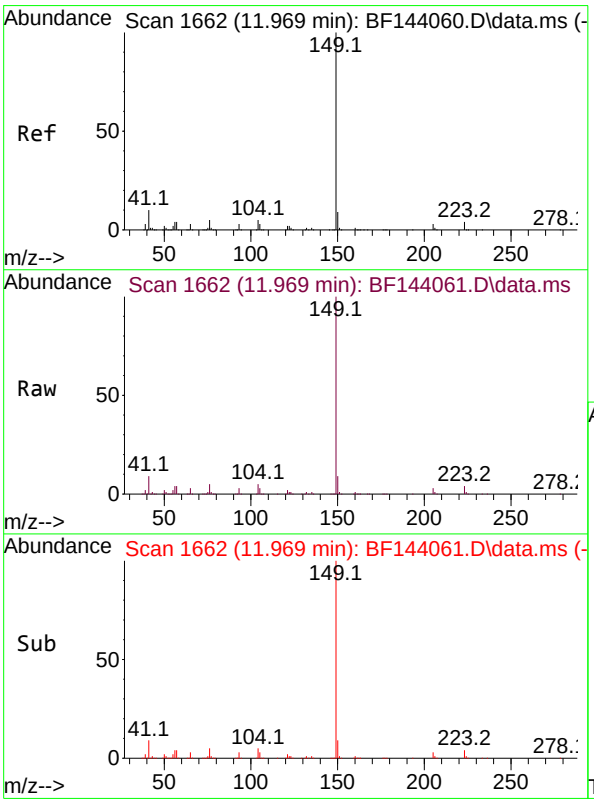
#73
Carbazole
Concen: 46.845 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

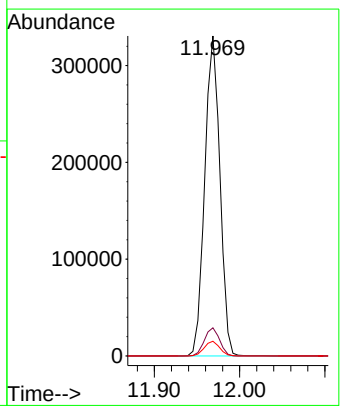


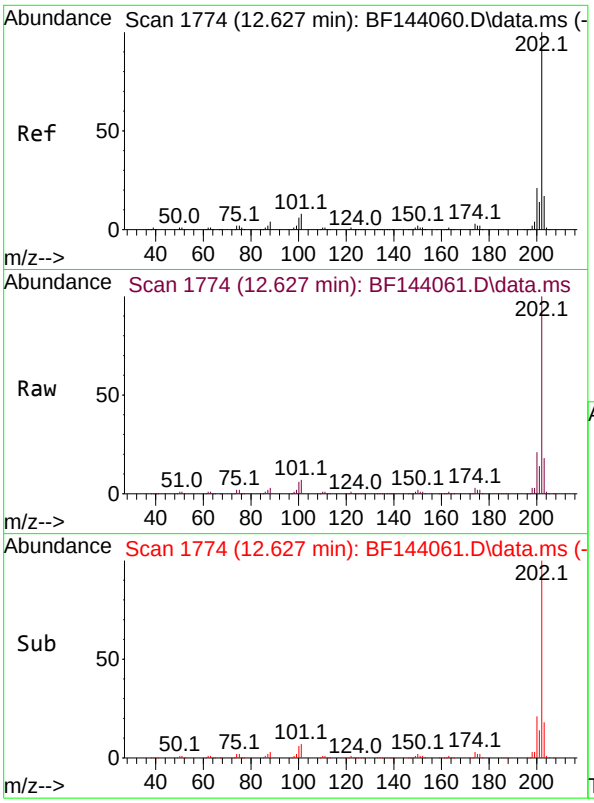


#74
Di-n-butylphthalate
Concen: 46.795 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



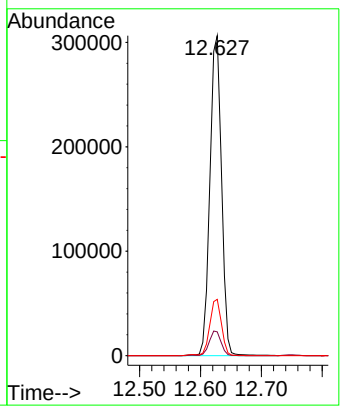


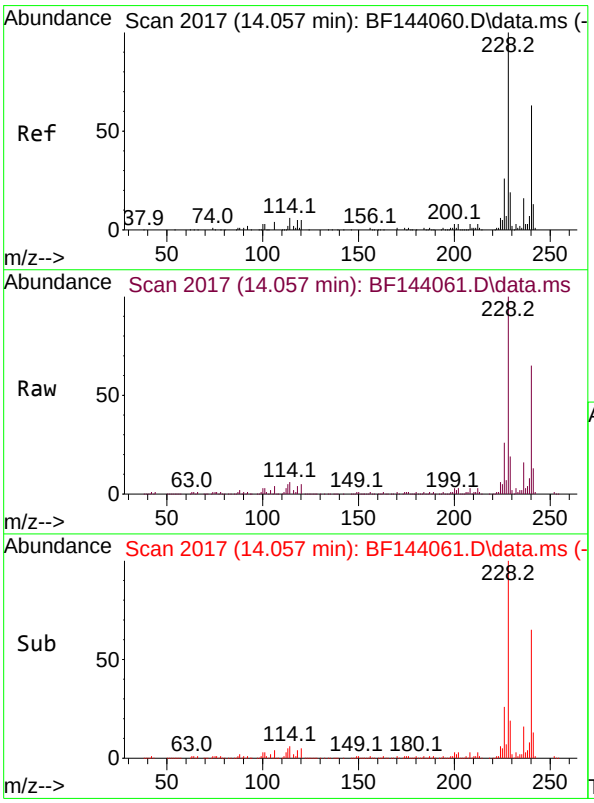
#75
Fluoranthene
Concen: 45.411 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

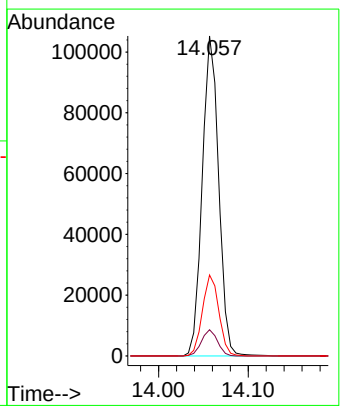


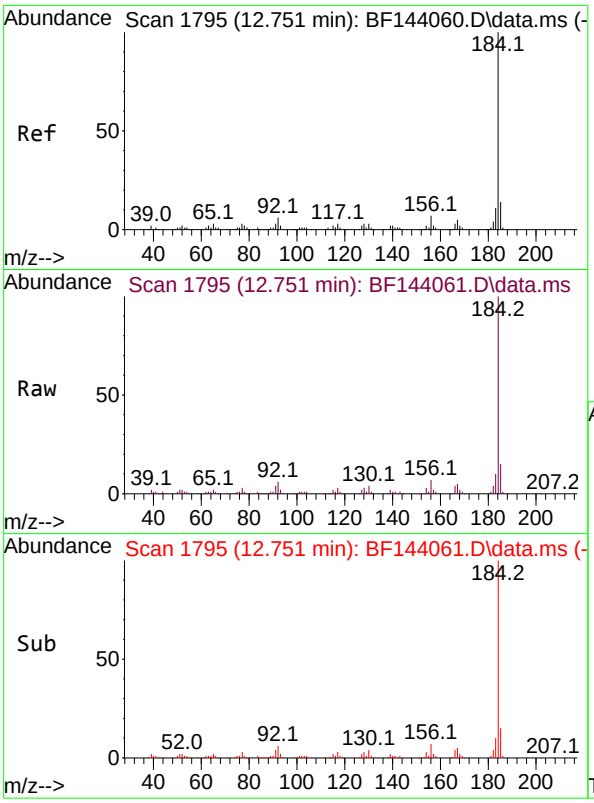


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



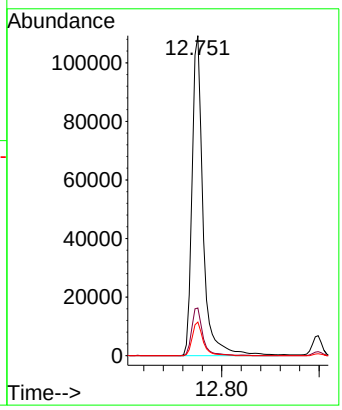


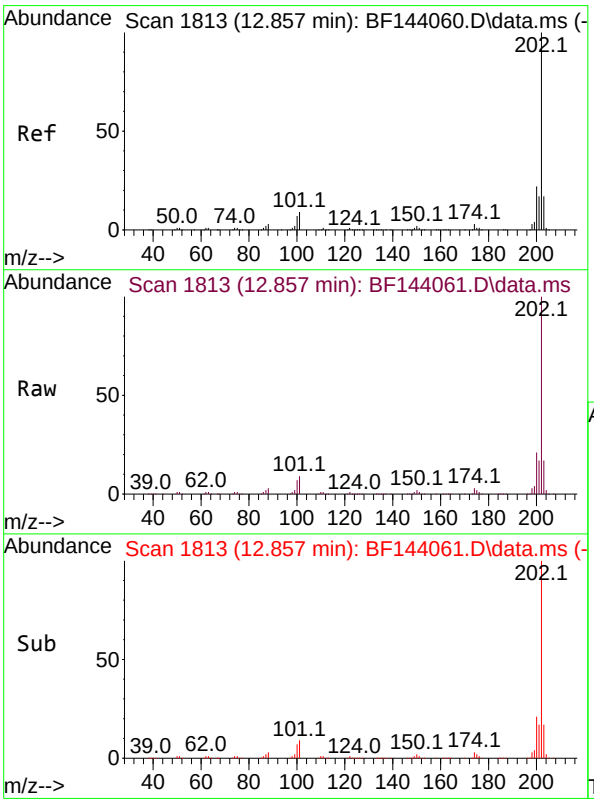
#77
Benzidine
Concen: 41.214 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

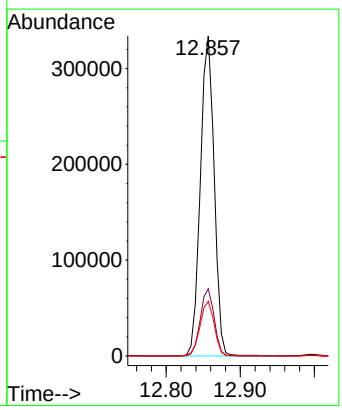


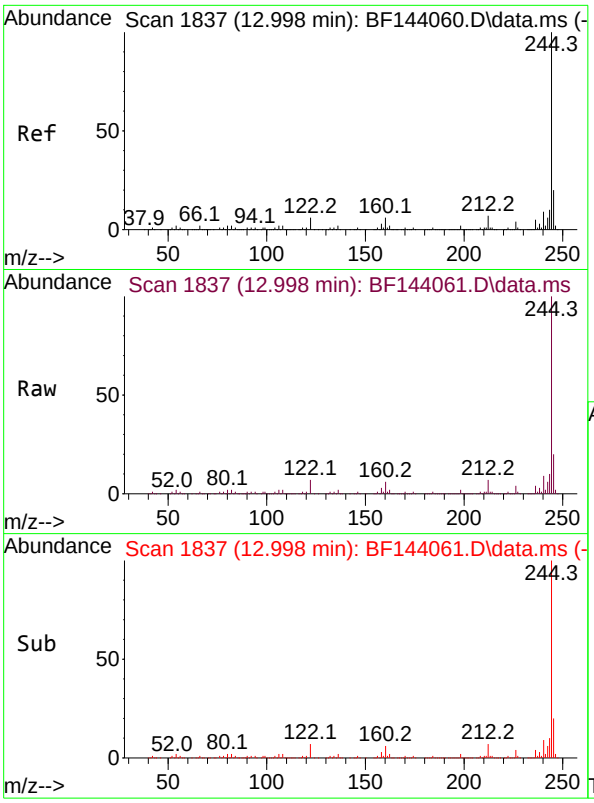


#78
Pyrene
Concen: 45.038 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



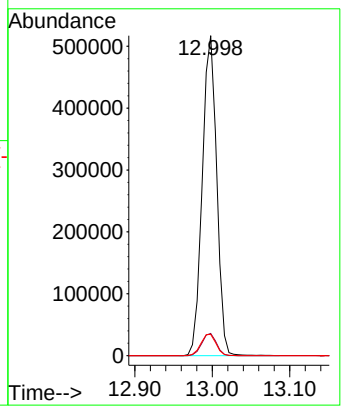


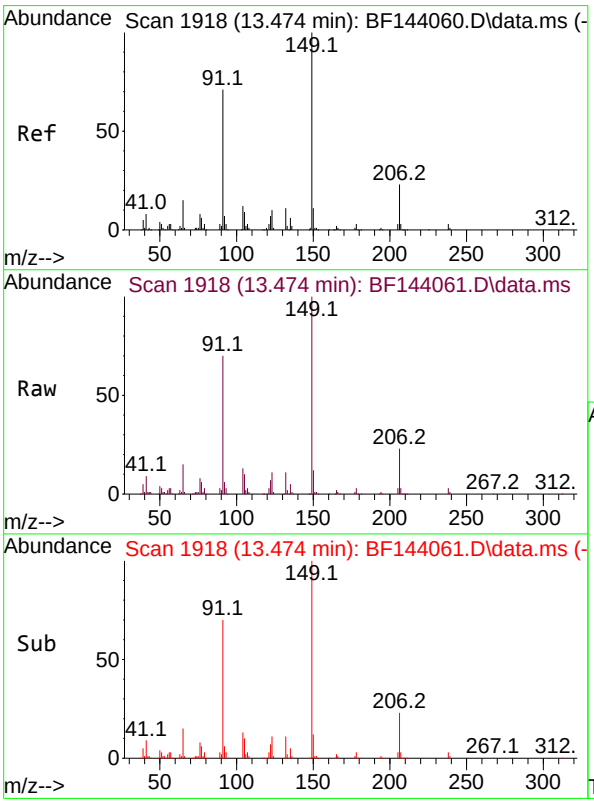
#79
Terphenyl-d14
Concen: 87.573 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

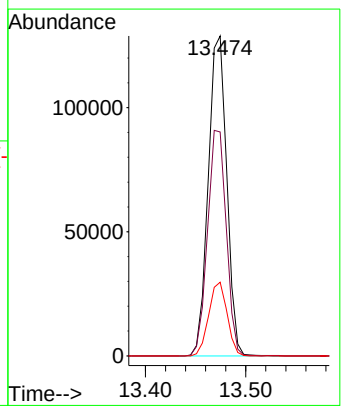


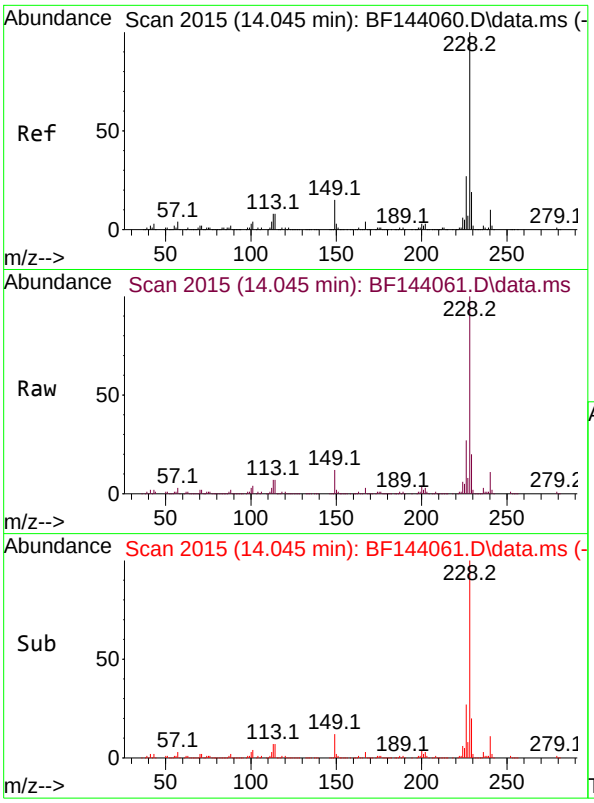


#80
Butylbenzylphthalate
Concen: 45.417 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



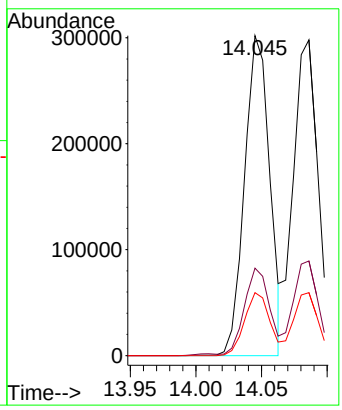


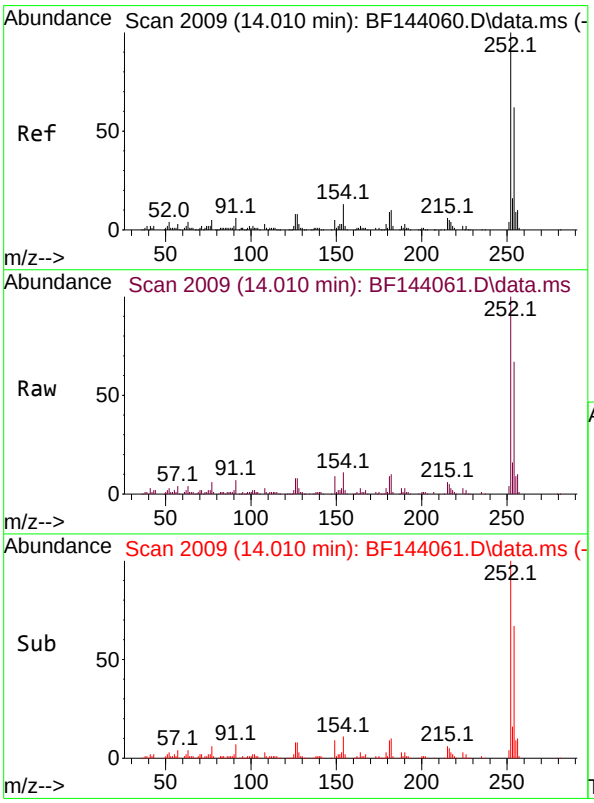
#81
Benzo(a)anthracene
Concen: 44.609 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

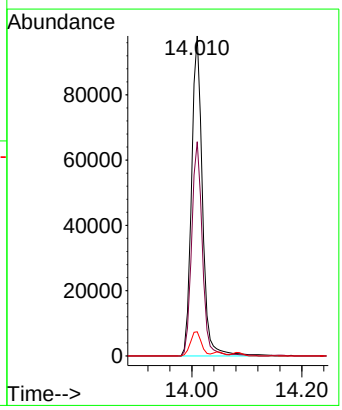


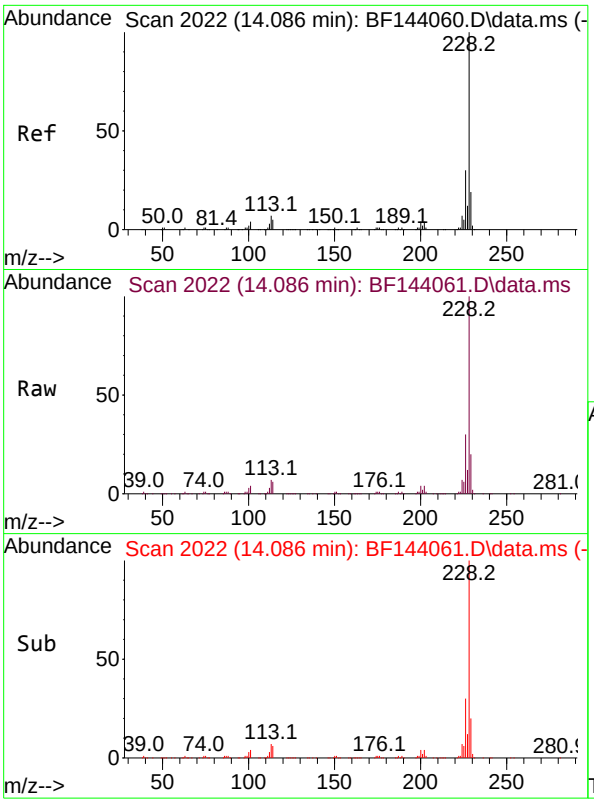


#82
3,3'-Dichlorobenzidine
Concen: 42.940 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



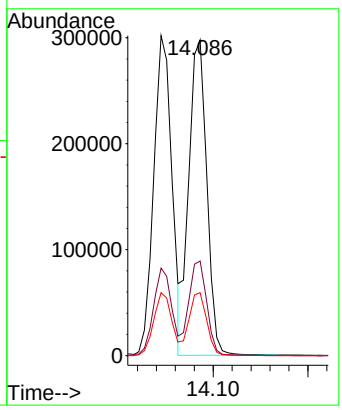


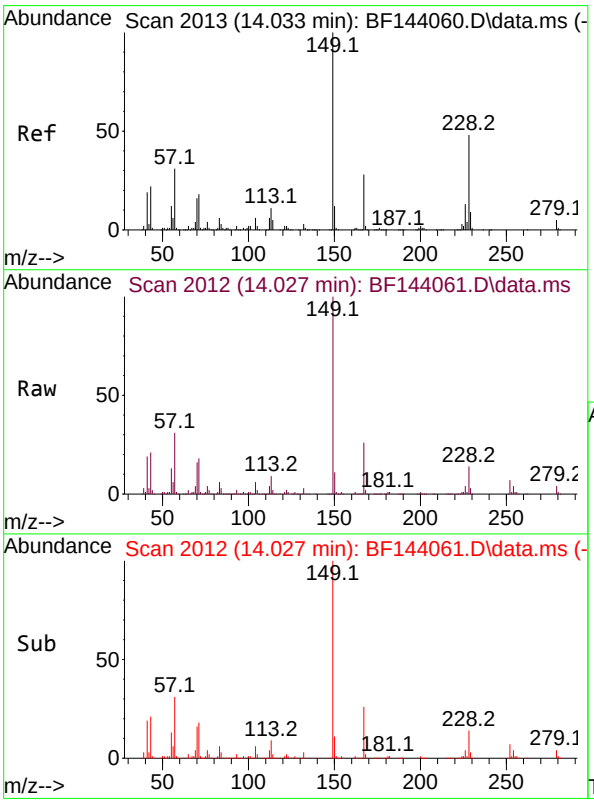
#83
Chrysene
Concen: 46.461 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

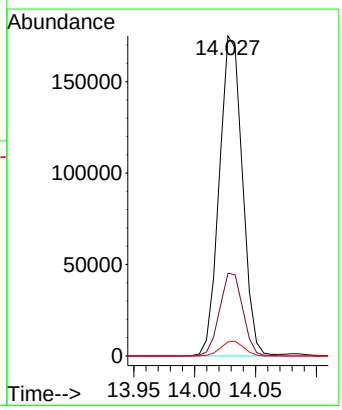


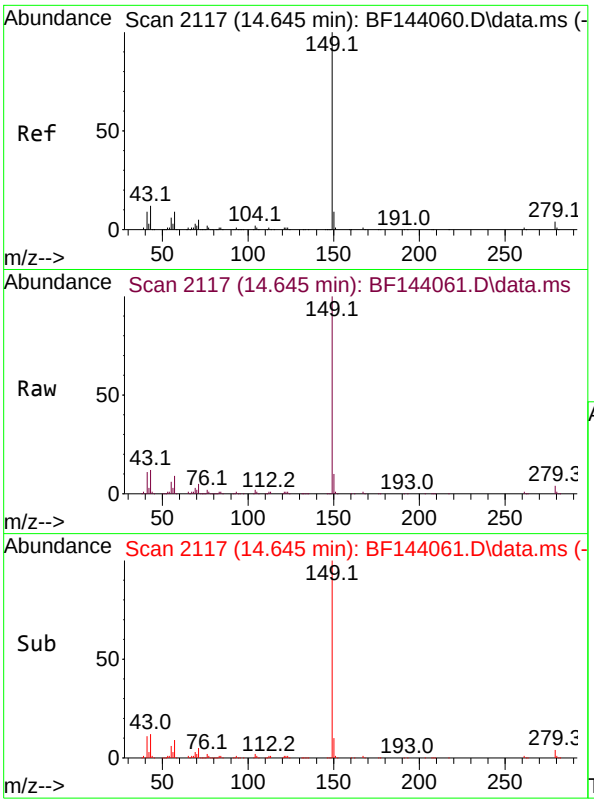


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.450 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



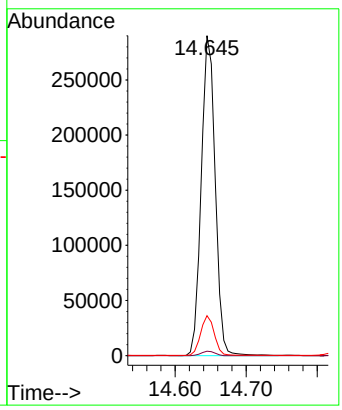


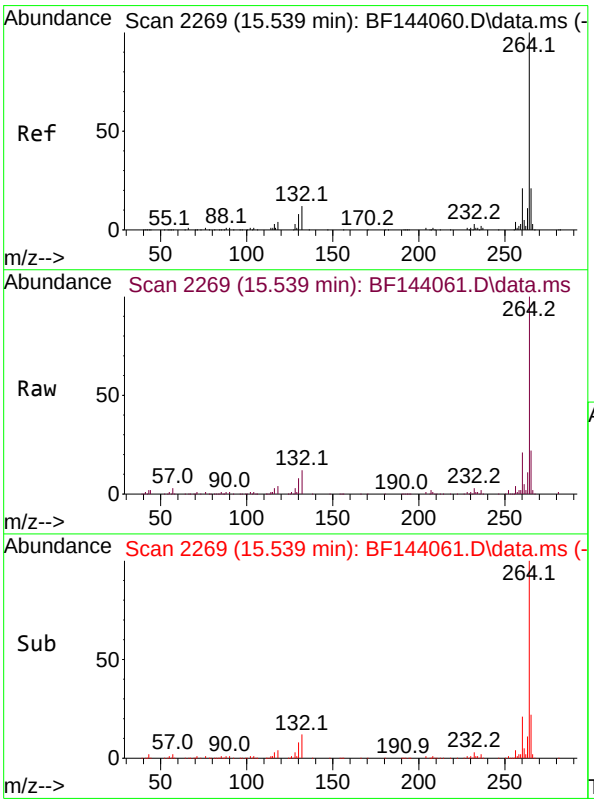
#85
Di-n-octyl phthalate
Concen: 46.156 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

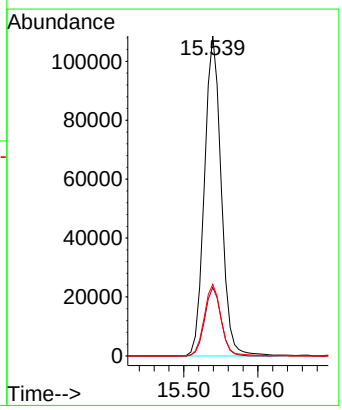


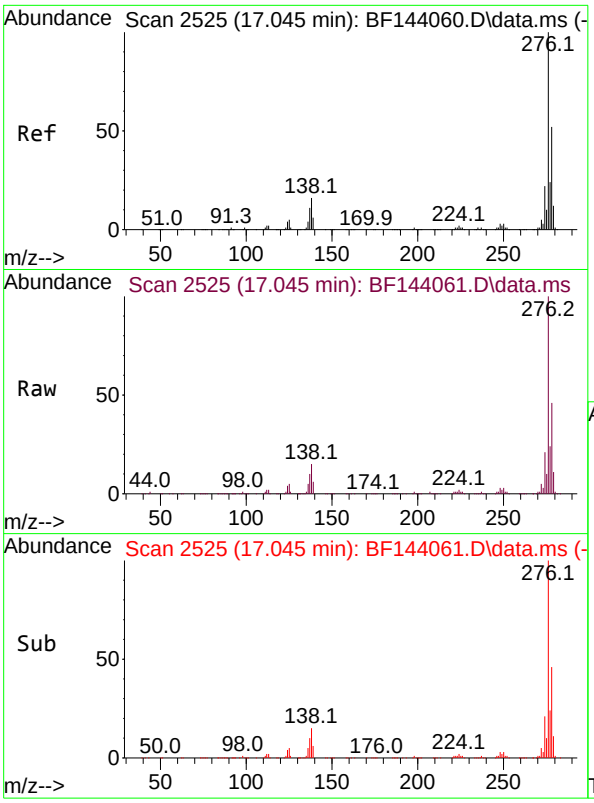


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



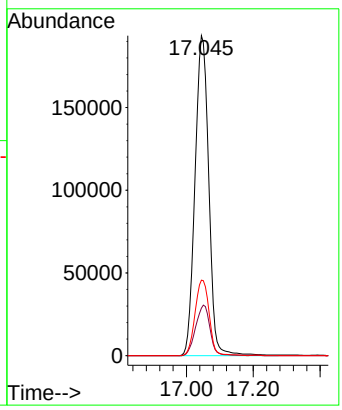


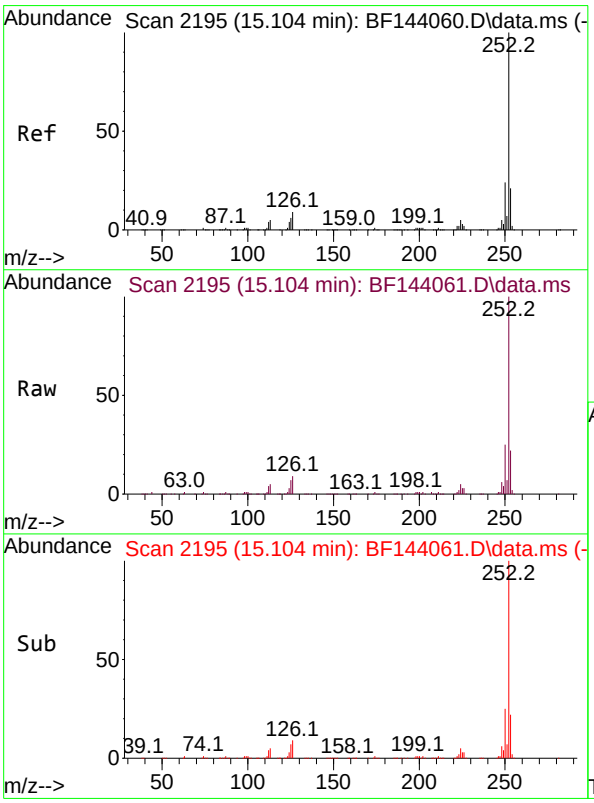
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.151 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

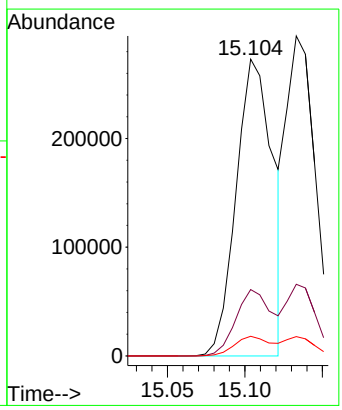


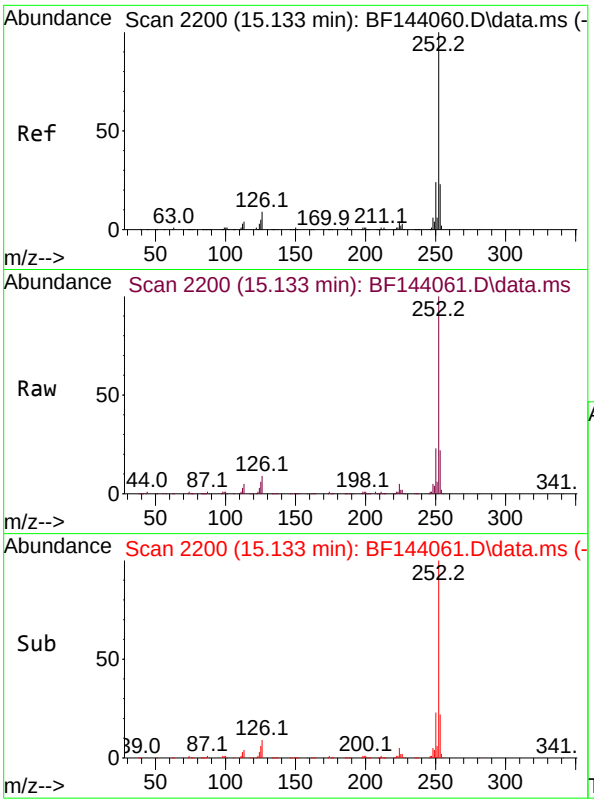


#88
Benzo(b)fluoranthene
Concen: 46.646 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



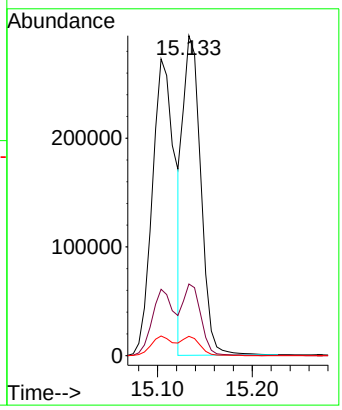


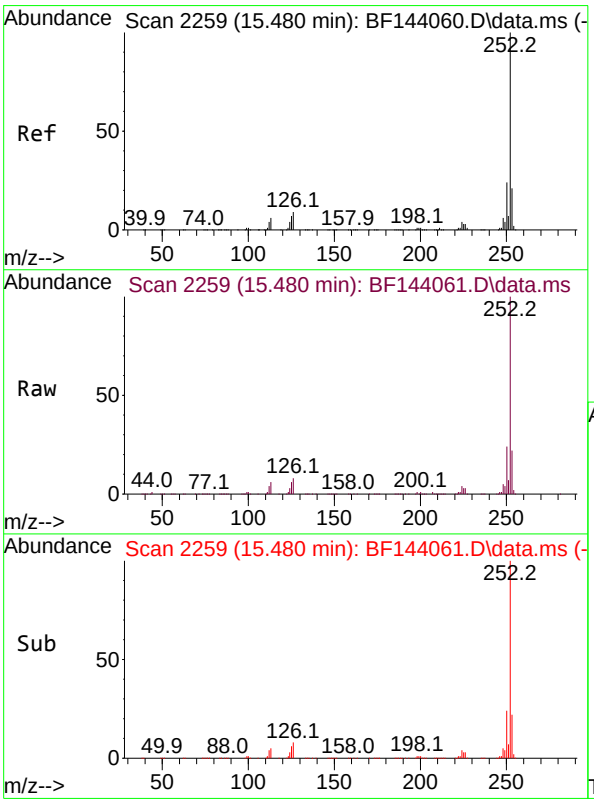
#89
Benzo(k)fluoranthene
Concen: 43.445 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

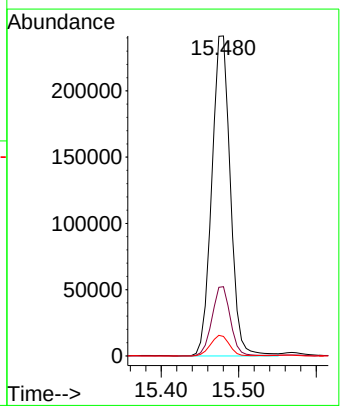


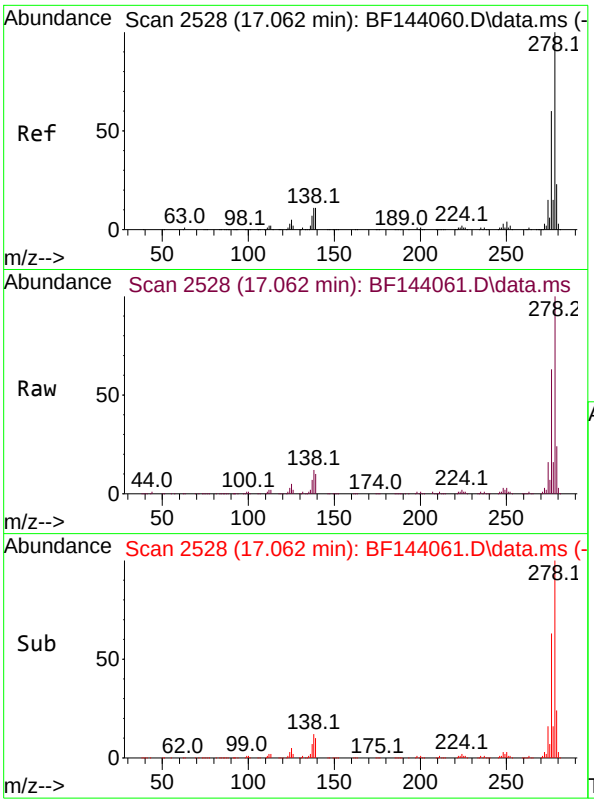


#90
Benzo(a)pyrene
Concen: 46.436 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



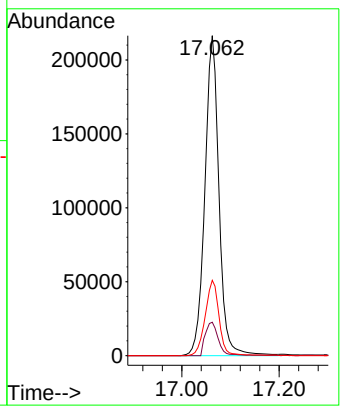


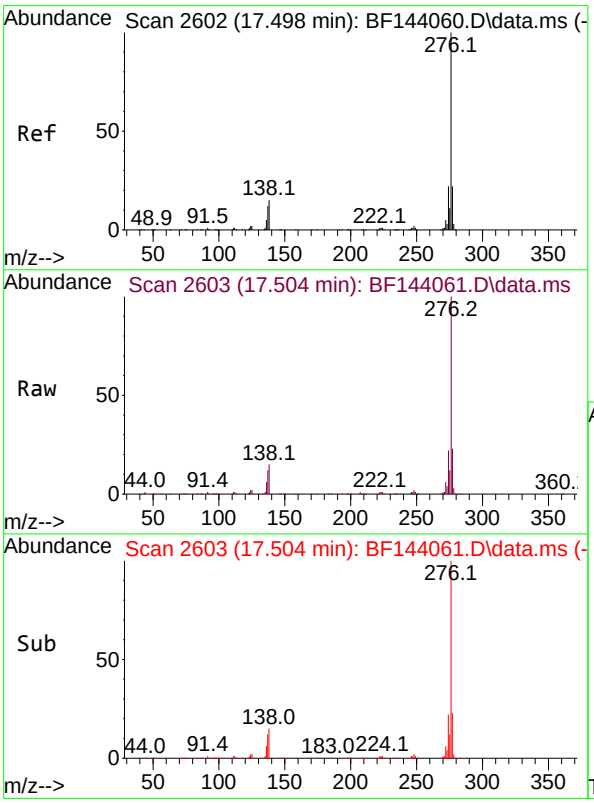
#91
Dibenzo(a,h)anthracene
Concen: 47.119 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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

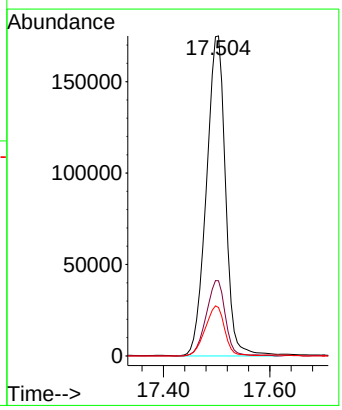




#92
Benzo(g,h,i)perylene
Concen: 46.804 ng
RT: 17.504 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

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



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

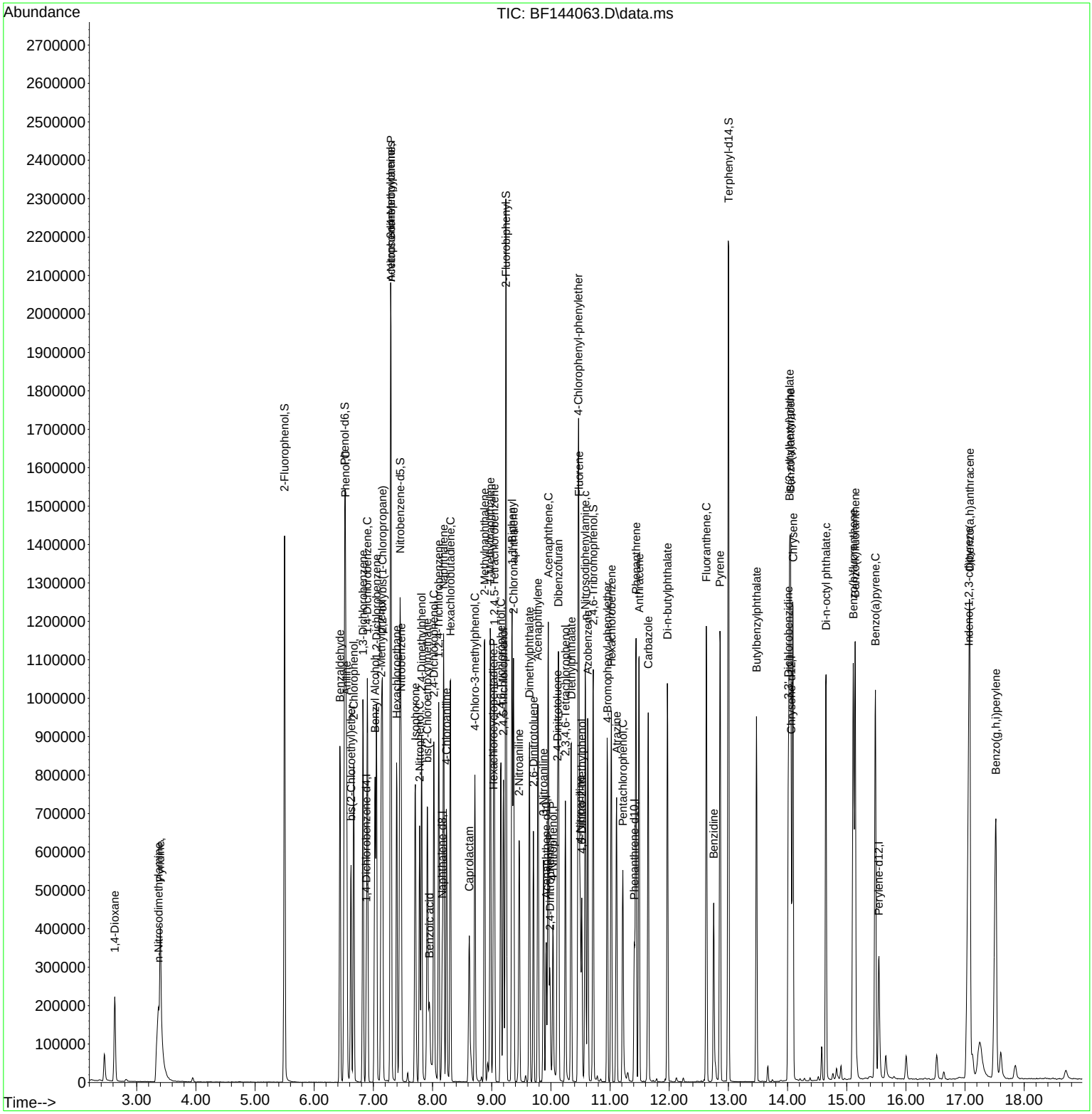
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	189248	71.565	ng		96
46) 1,1'-Biphenyl	9.345	154	530392	65.690	ng		99
47) 2-Chloronaphthalene	9.369	162	446307	65.979	ng		99
48) 2-Nitroaniline	9.463	65	148164	73.762	ng		99
49) Acenaphthylene	9.780	152	603127	66.126	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

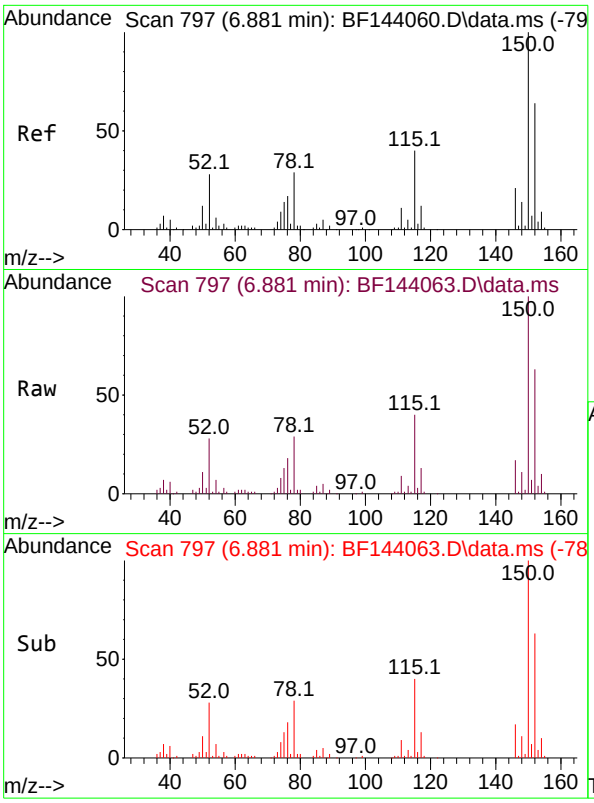
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



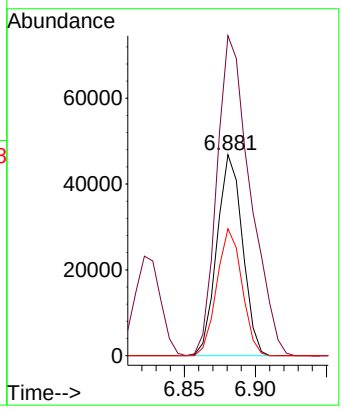


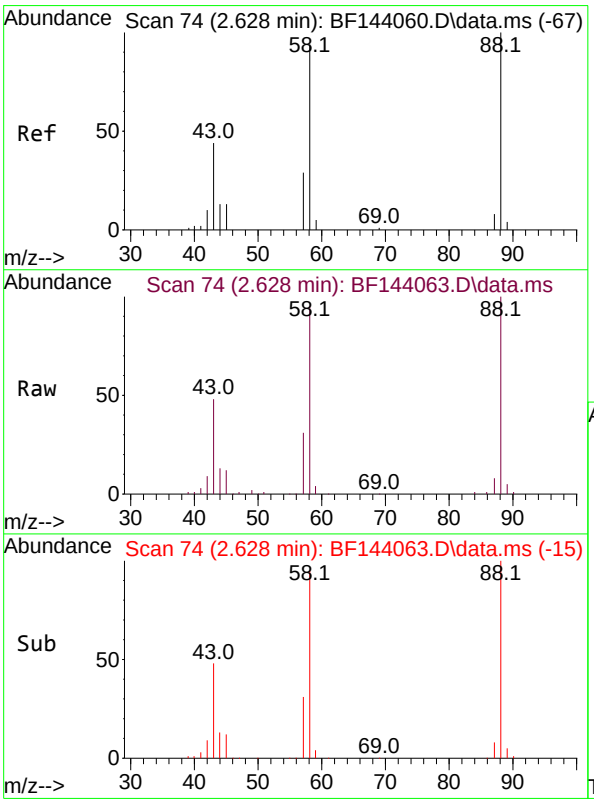
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

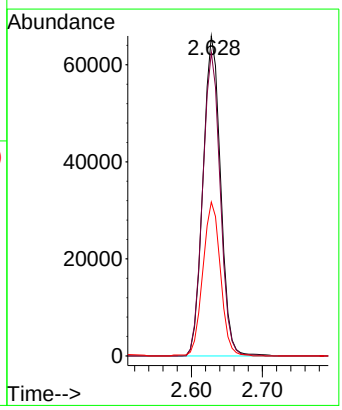


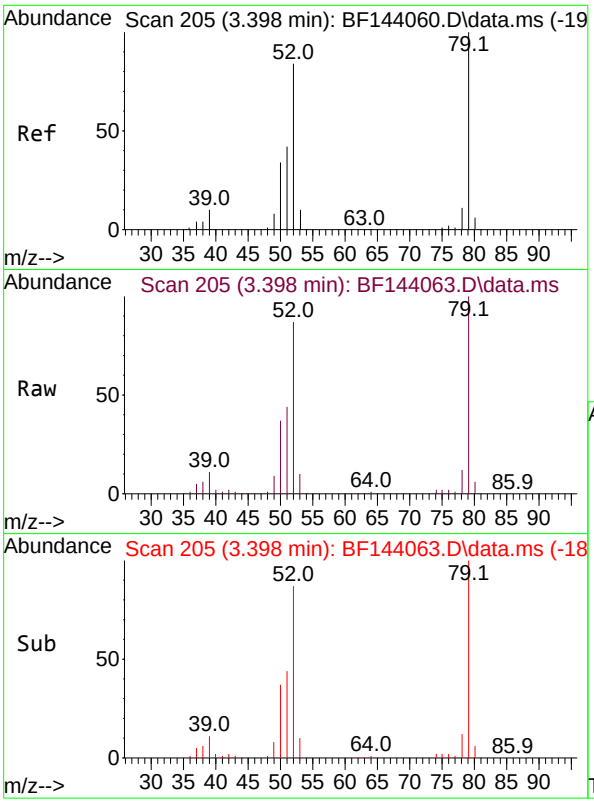


#2
1,4-Dioxane
Concen: 70.445 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



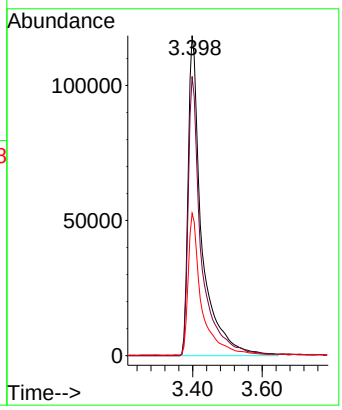


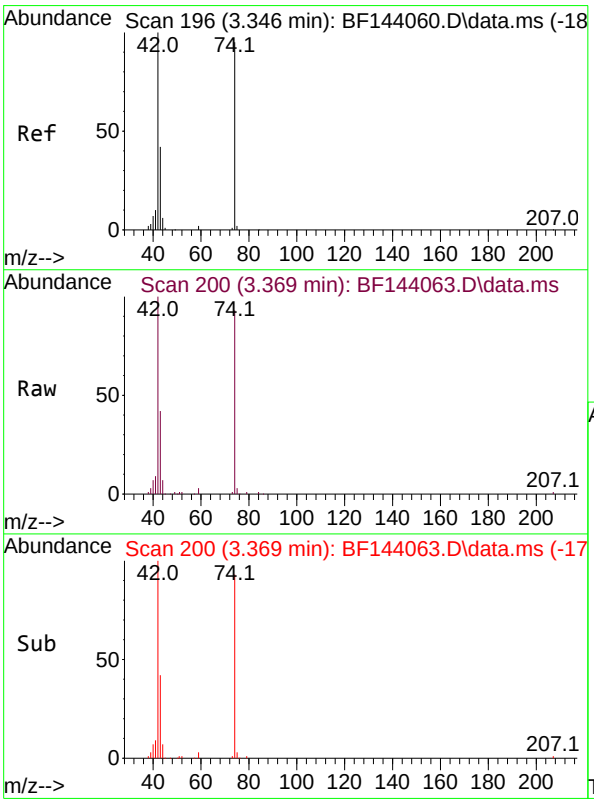
#3
Pyridine
Concen: 74.957 ng
RT: 3.398 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

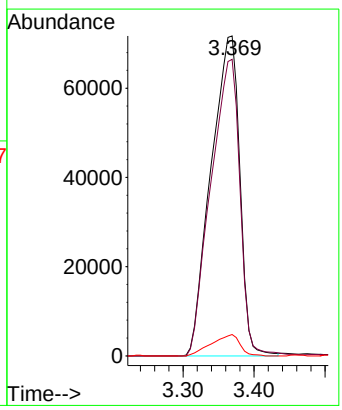


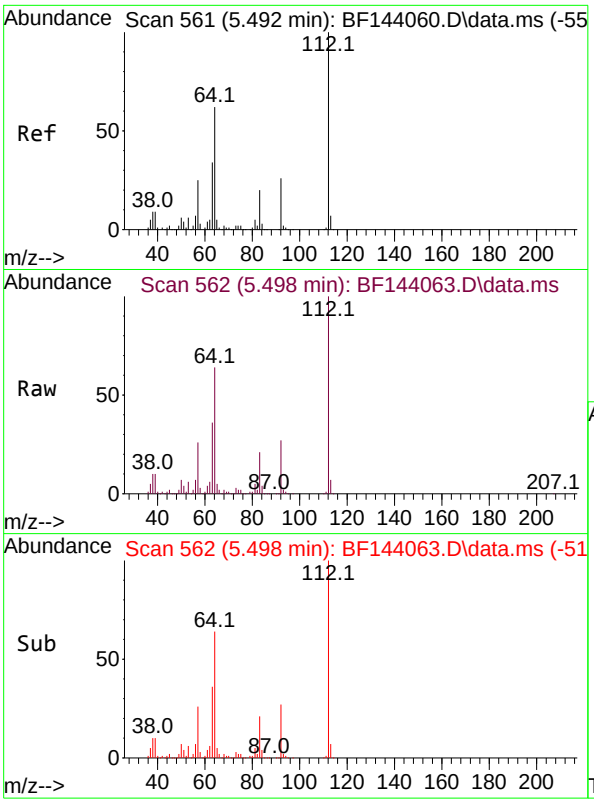


#4
n-Nitrosodimethylamine
Concen: 76.521 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.024 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



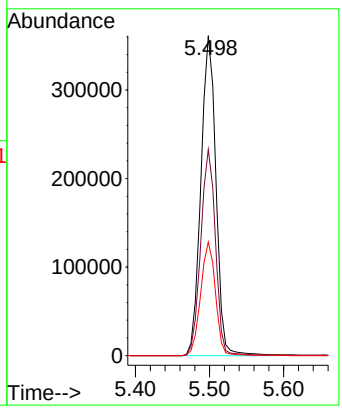


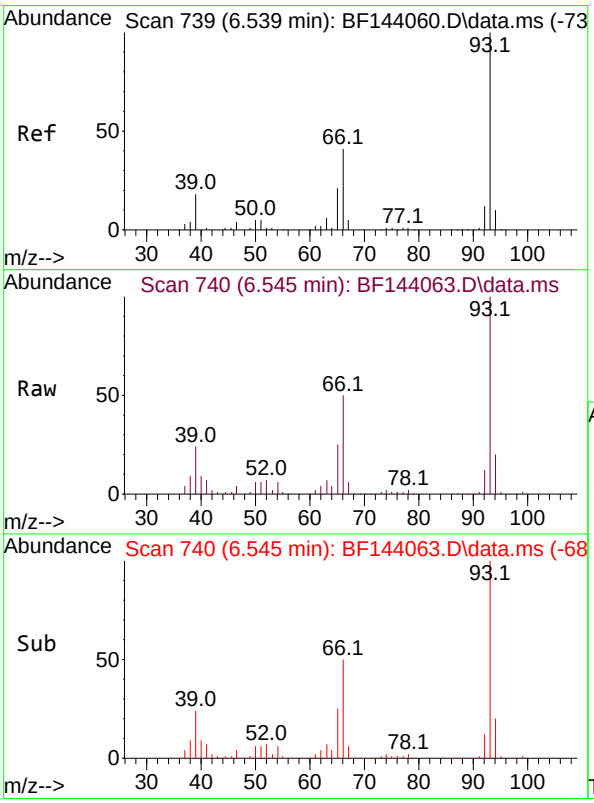
#5
2-Fluorophenol
Concen: 137.523 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

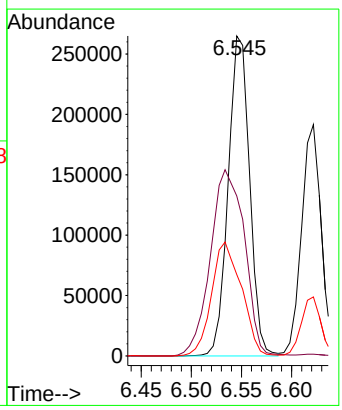


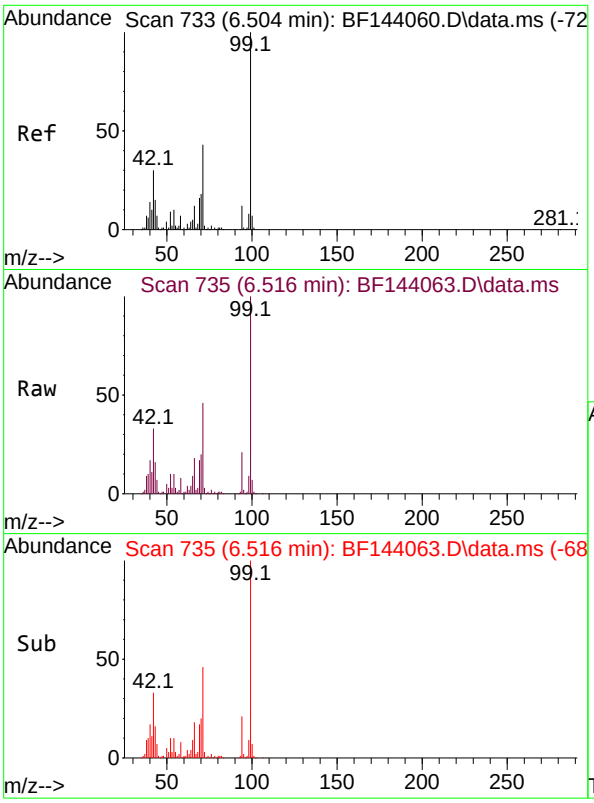


#6
Aniline
Concen: 67.082 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



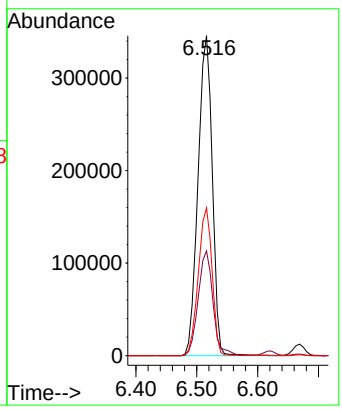


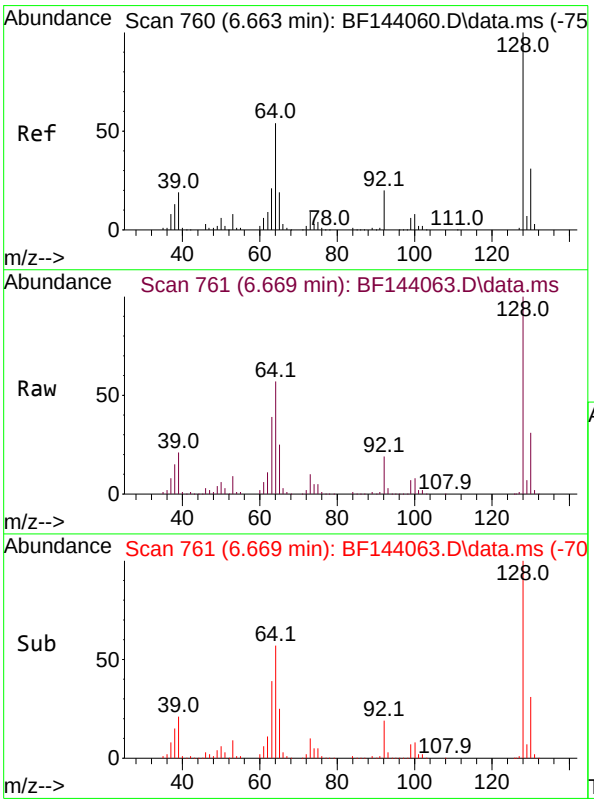
#7
Phenol-d6
Concen: 136.693 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

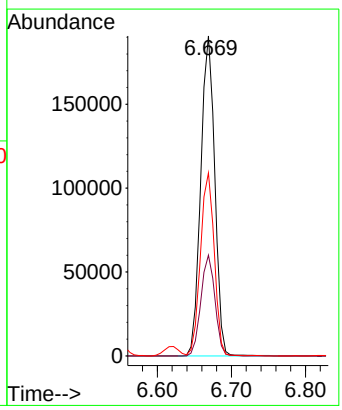


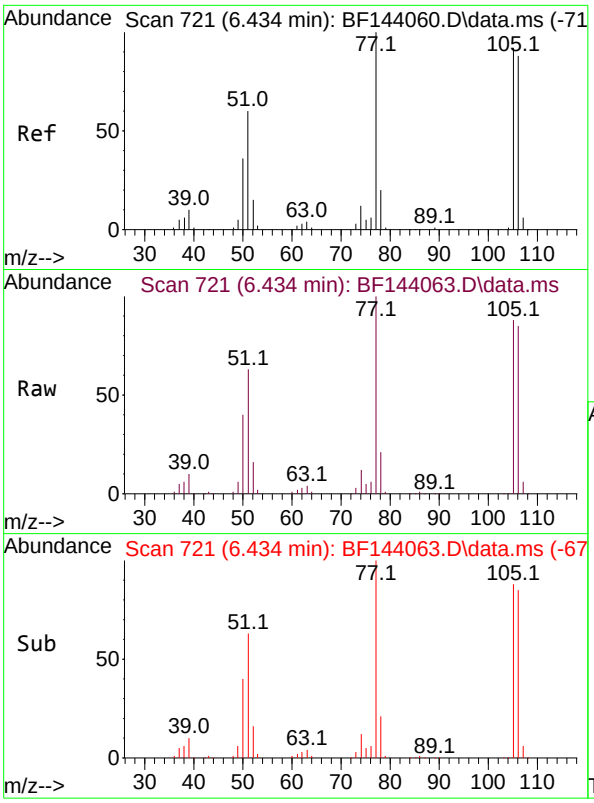


#8
2-Chlorophenol
Concen: 68.549 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



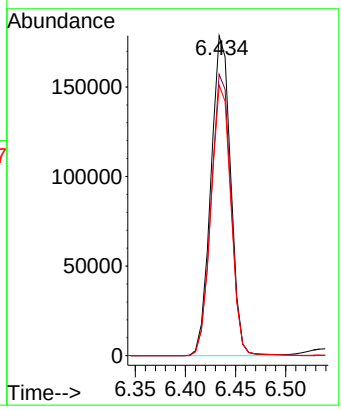


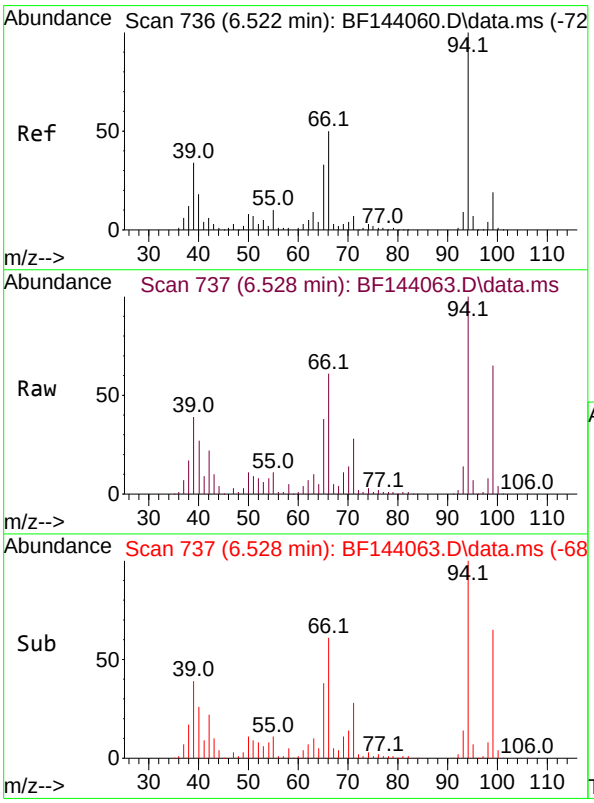
#9
Benzaldehyde
Concen: 76.656 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

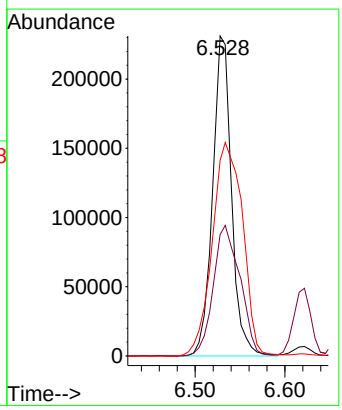


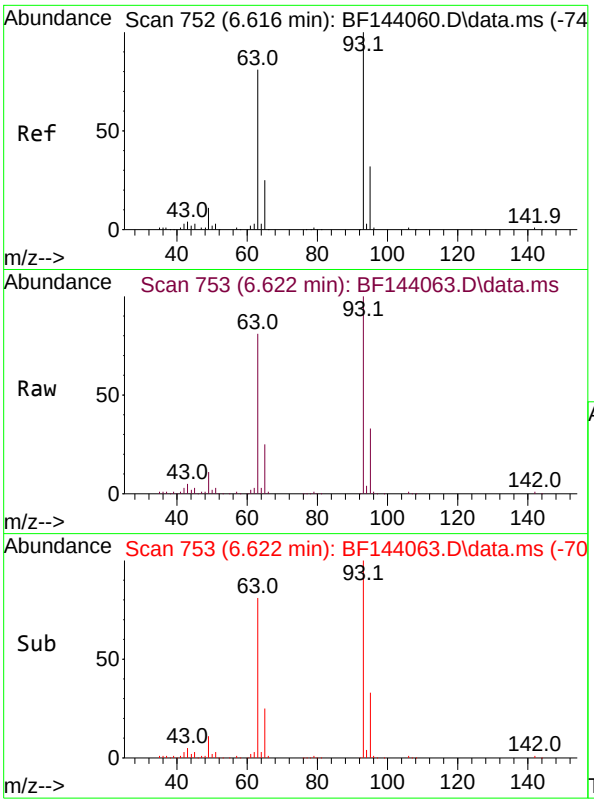


#10
Phenol
Concen: 67.118 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



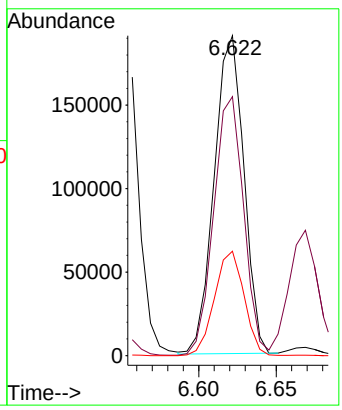


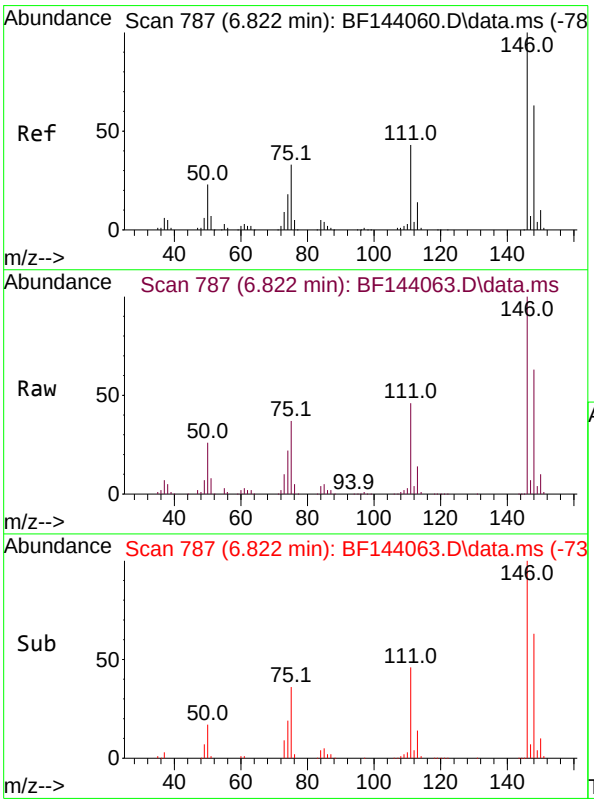
#11
bis(2-Chloroethyl)ether
Concen: 69.532 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

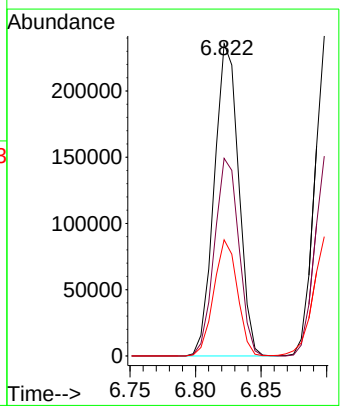


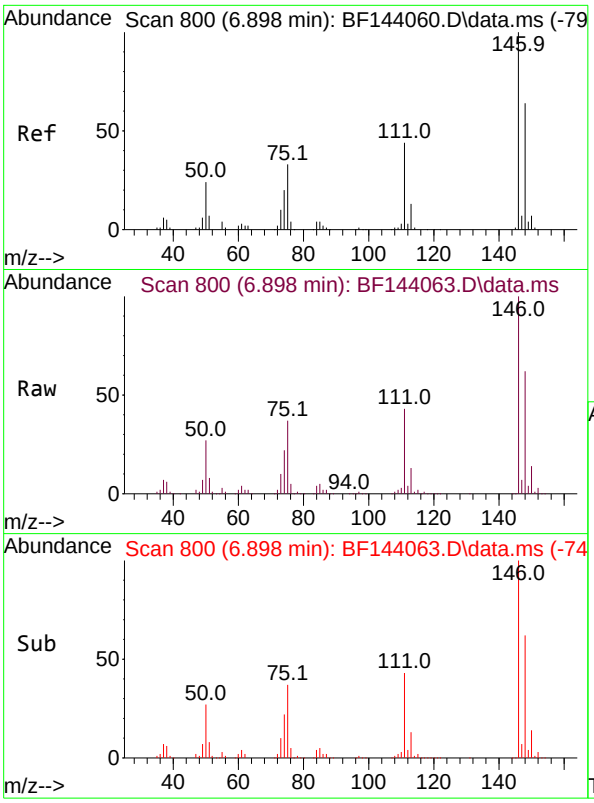


#12
1,3-Dichlorobenzene
Concen: 67.741 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



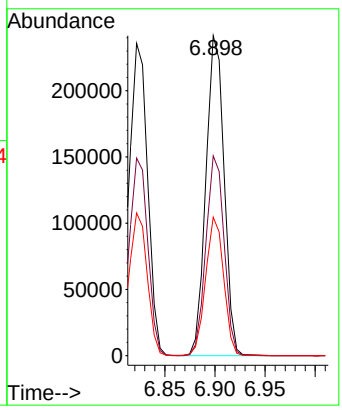


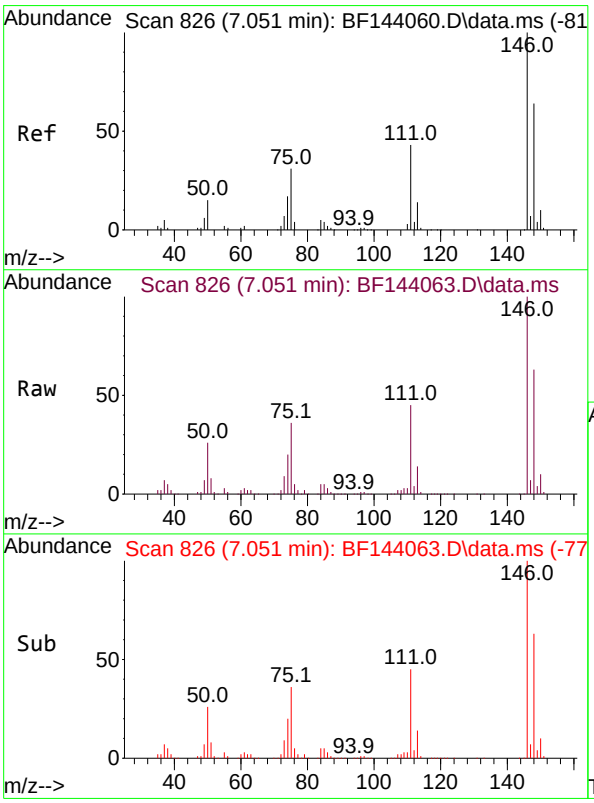
#13
1,4-Dichlorobenzene
Concen: 68.434 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

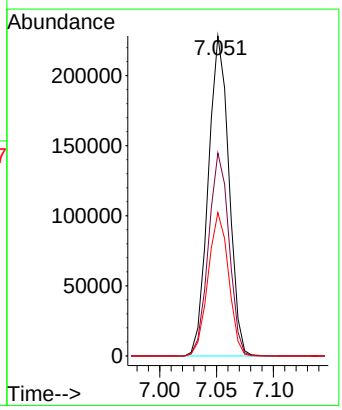


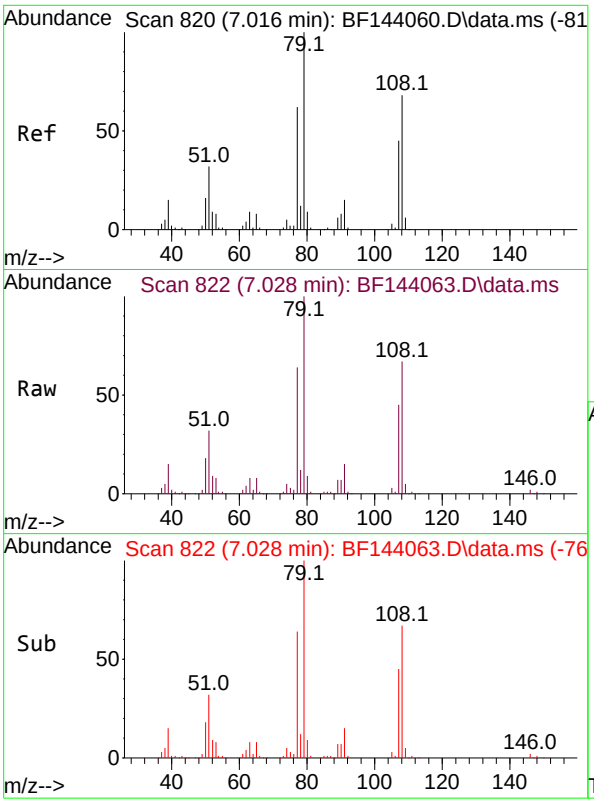


#14
1,2-Dichlorobenzene
Concen: 66.915 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



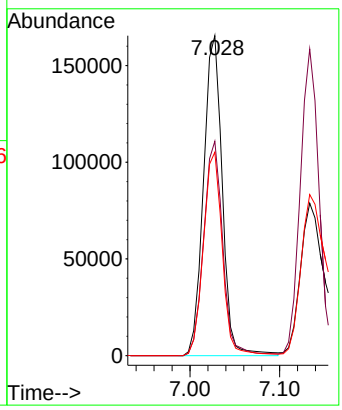


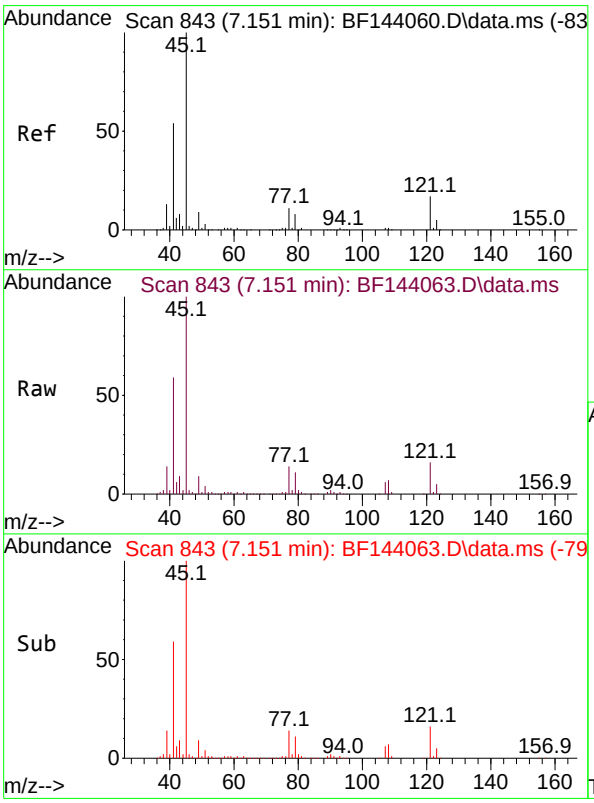
#15
Benzyl Alcohol
Concen: 72.263 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

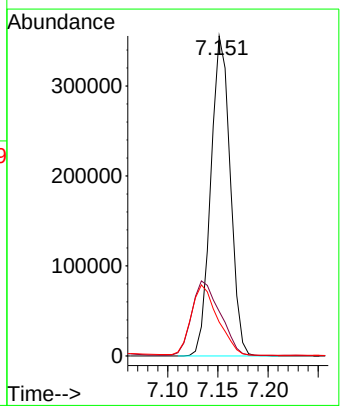


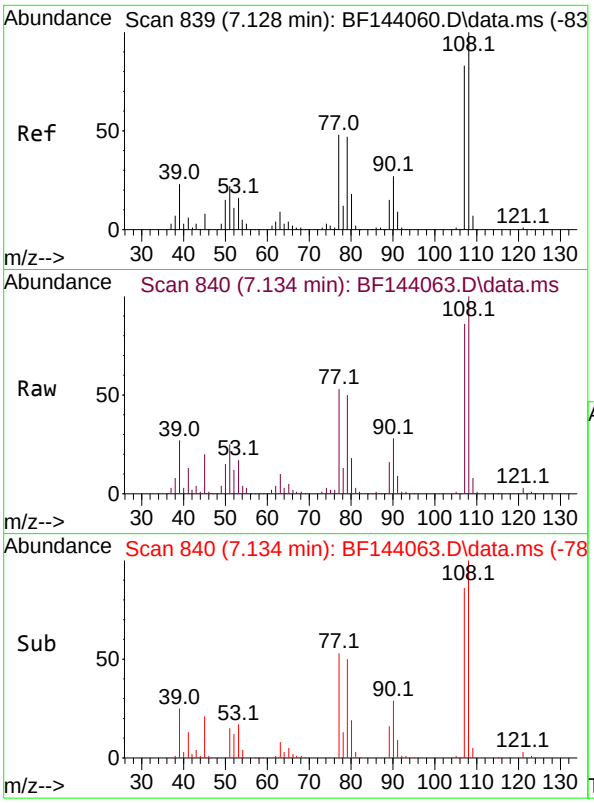


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.697 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



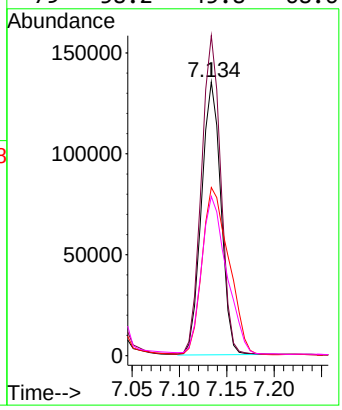


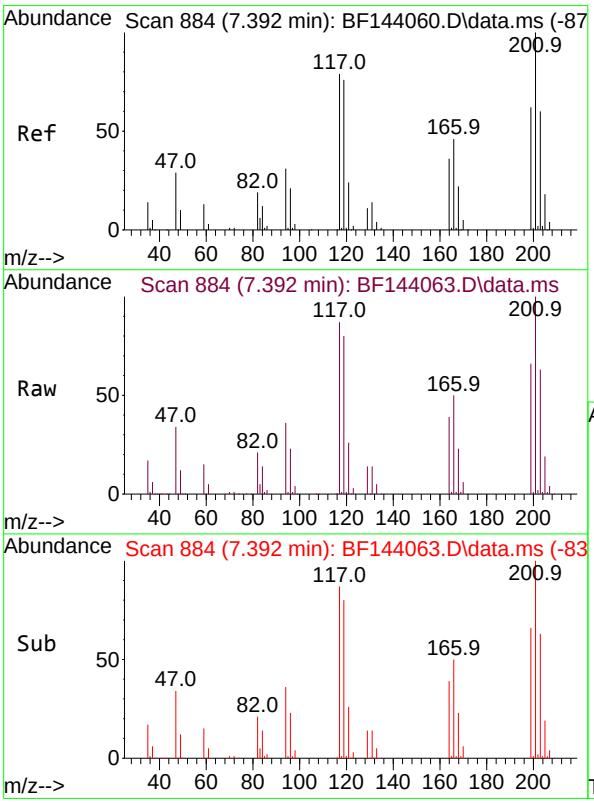
#17
2-Methylphenol
Concen: 68.795 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

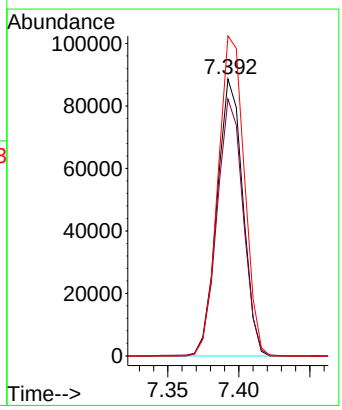


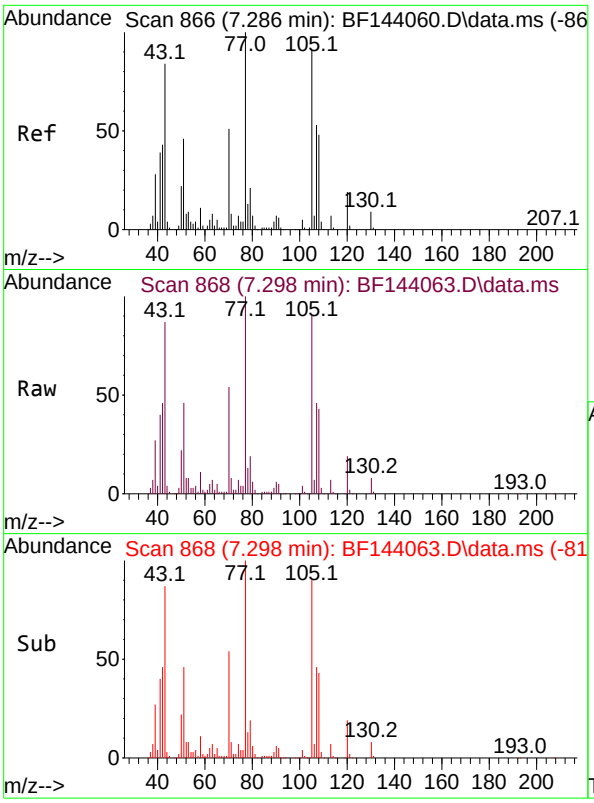


#18
Hexachloroethane
Concen: 70.510 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



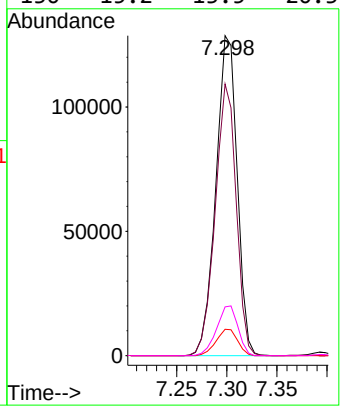


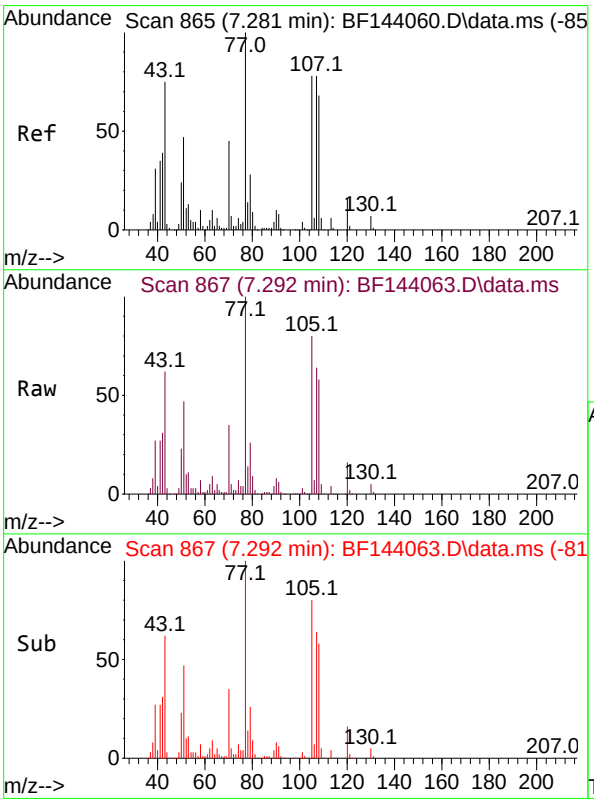
#19
n-Nitroso-di-n-propylamine
Concen: 71.721 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

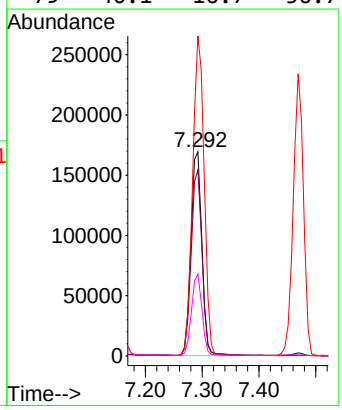


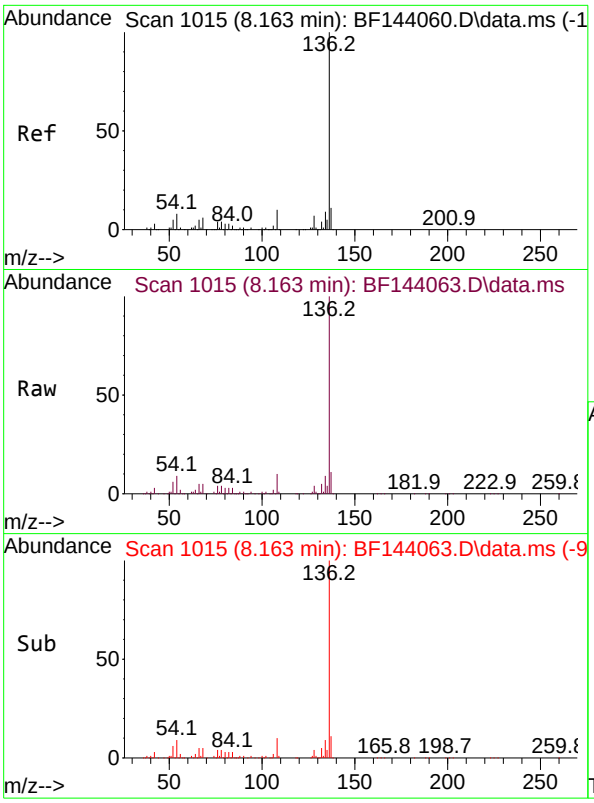


#20
3+4-Methylphenols
Concen: 68.500 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



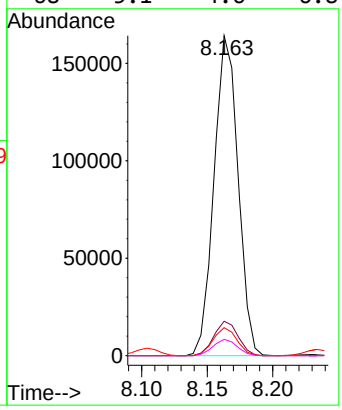


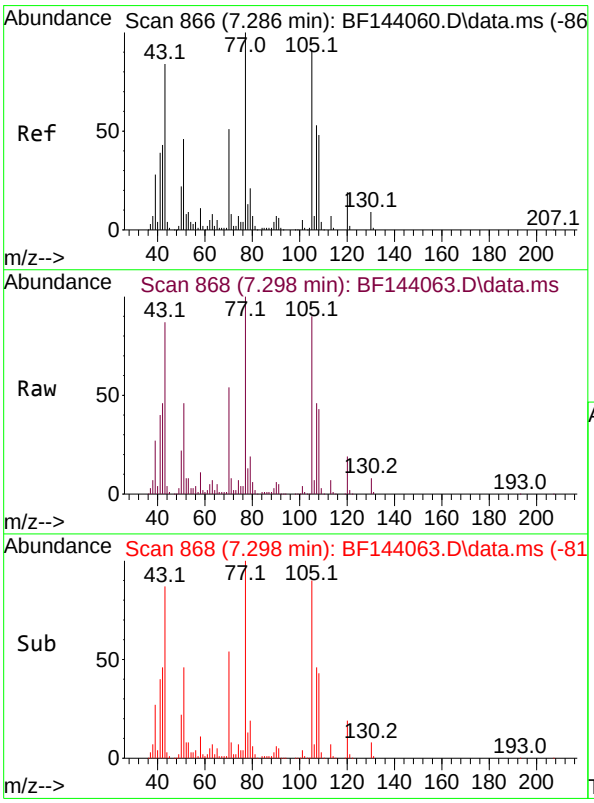
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

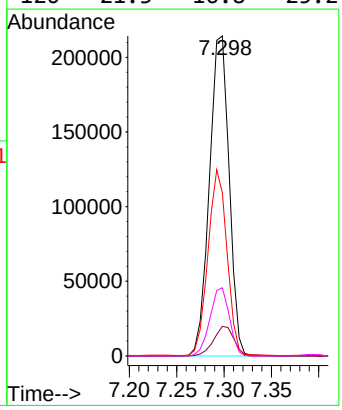


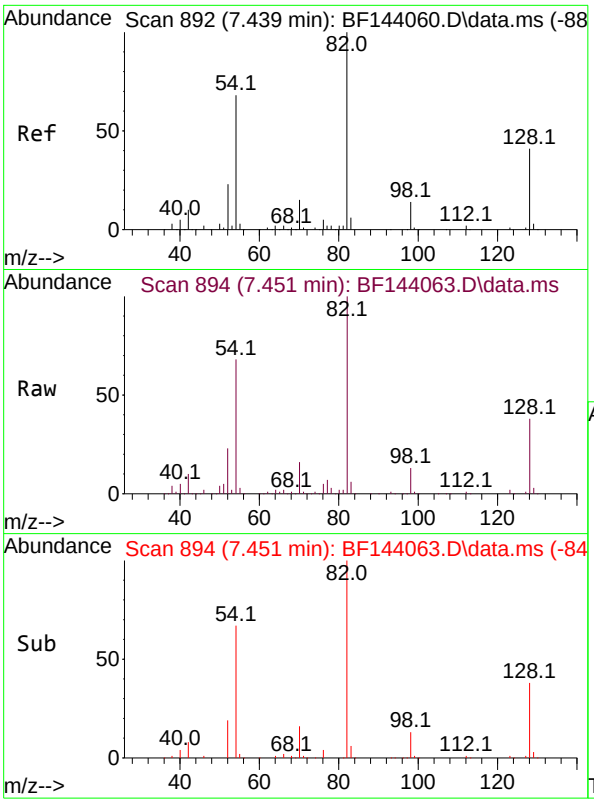


#22
Acetophenone
Concen: 68.672 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



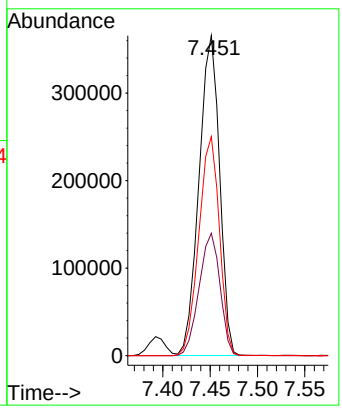


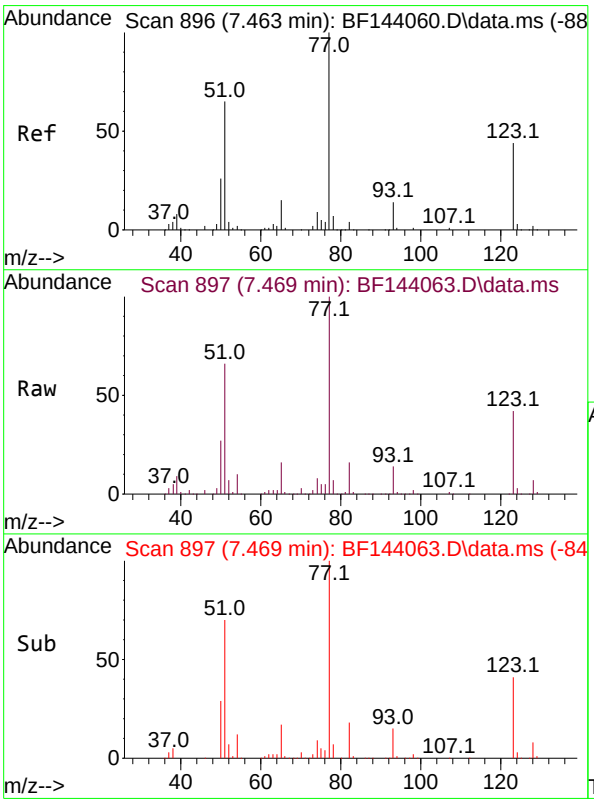
#23
Nitrobenzene-d5
Concen: 144.501 ng
RT: 7.451 min Scan# 89
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

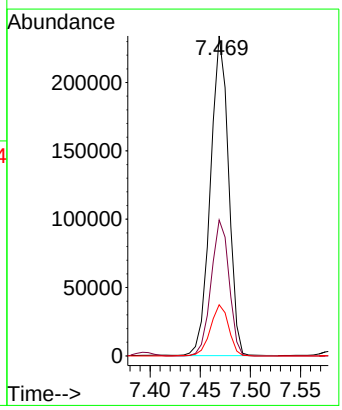


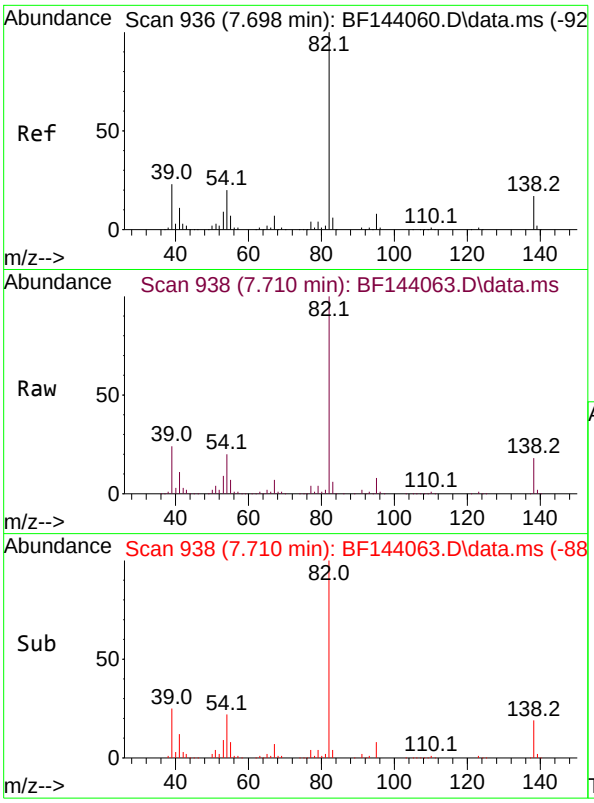


#24
Nitrobenzene
Concen: 72.786 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



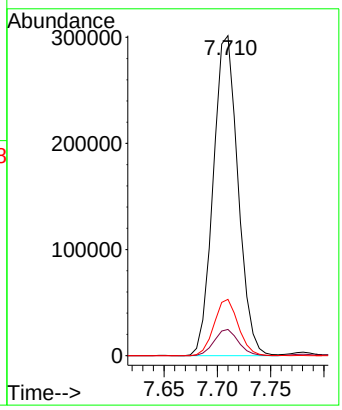


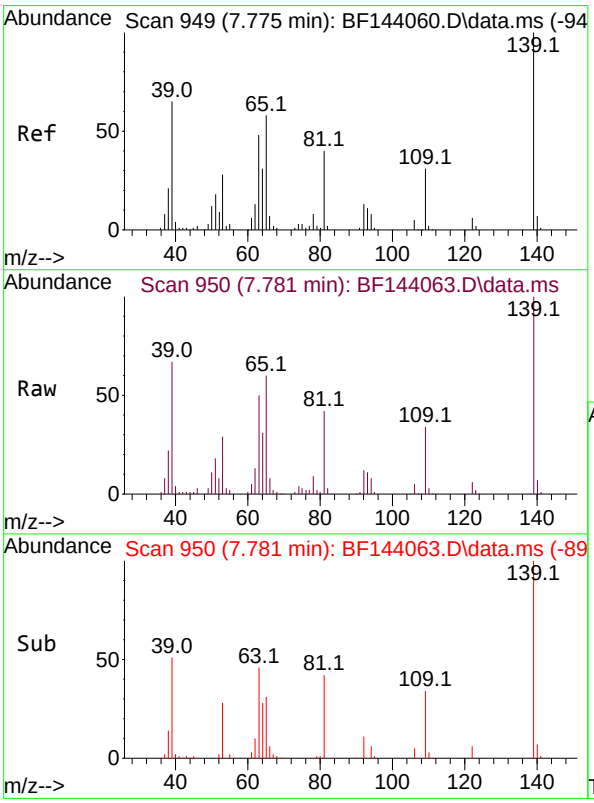
#25
Isophorone
Concen: 73.000 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

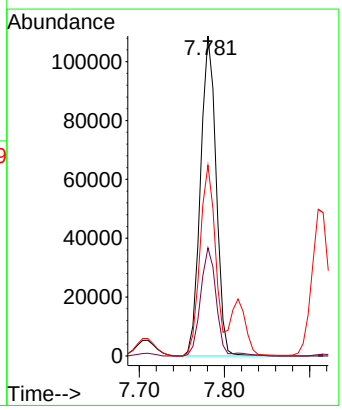


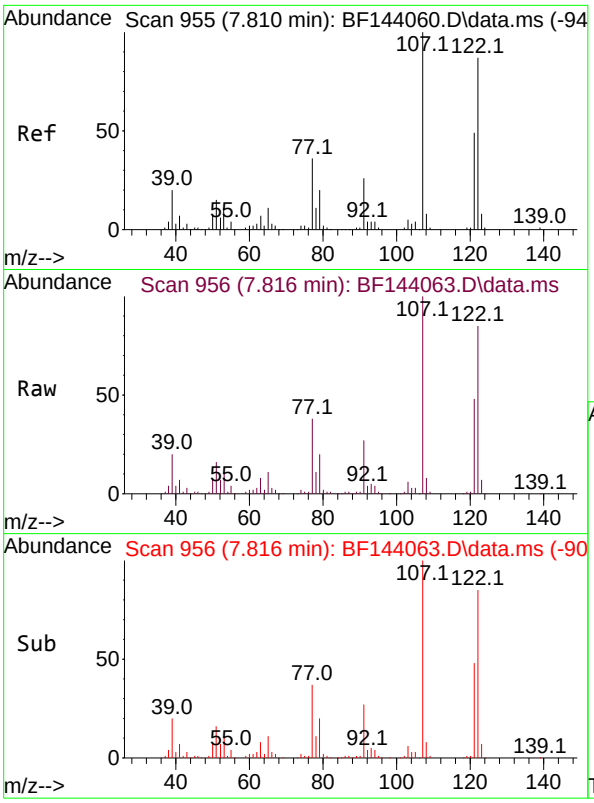


#26
2-Nitrophenol
Concen: 71.925 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



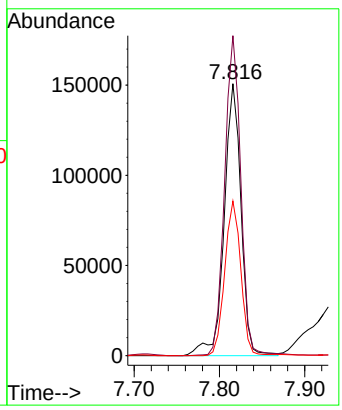


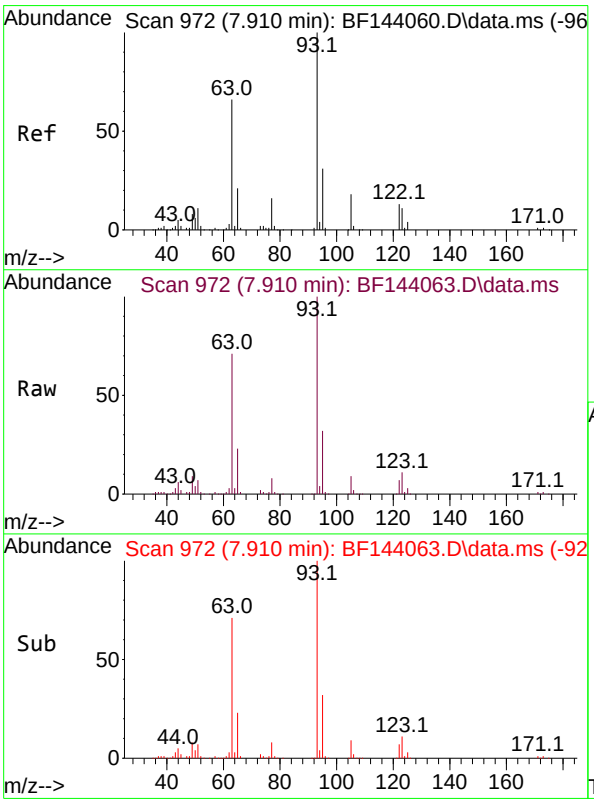
#27
2,4-Dimethylphenol
Concen: 72.515 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

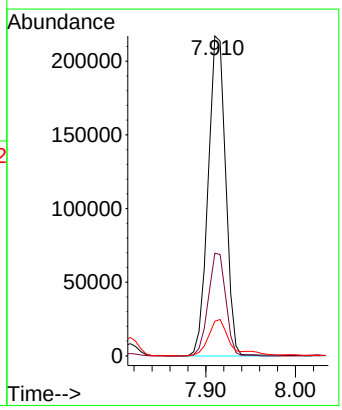


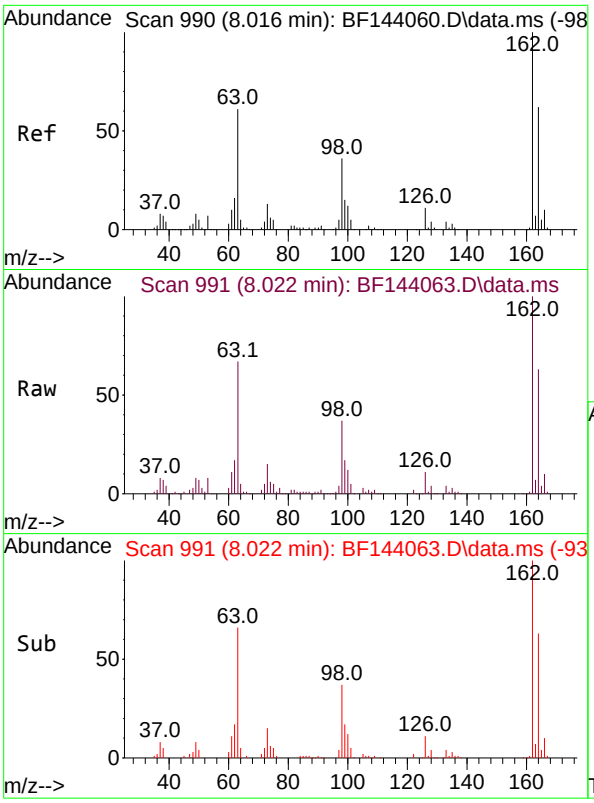


#28
bis(2-Chloroethoxy)methane
Concen: 70.566 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



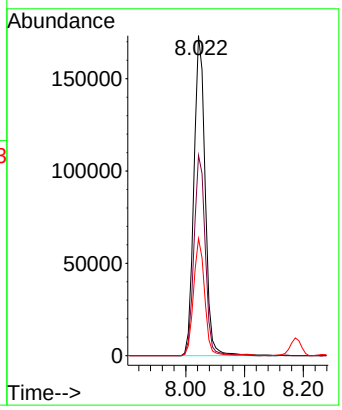


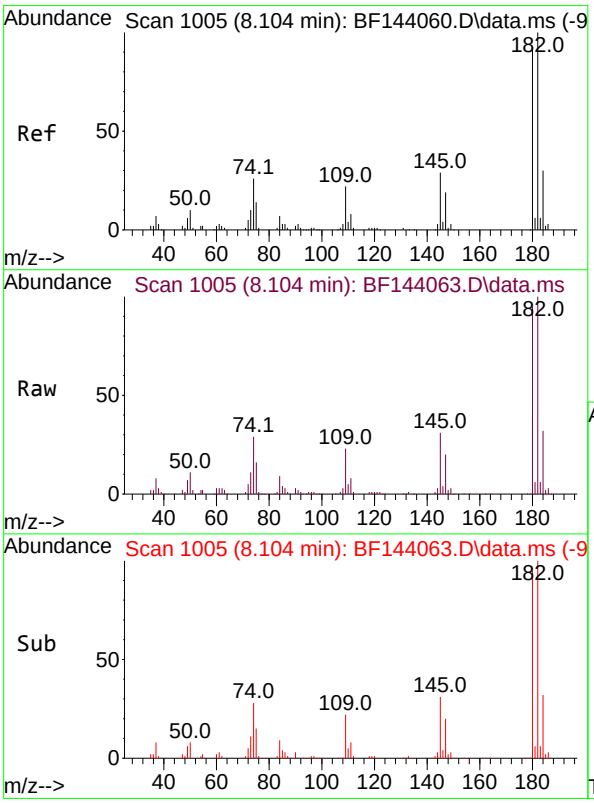
#29
2,4-Dichlorophenol
Concen: 69.232 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

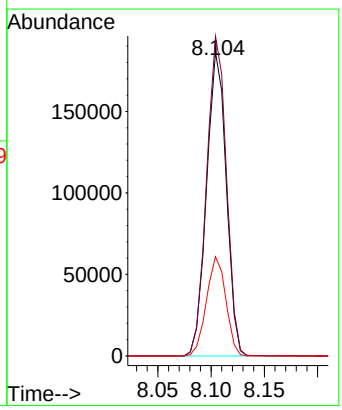


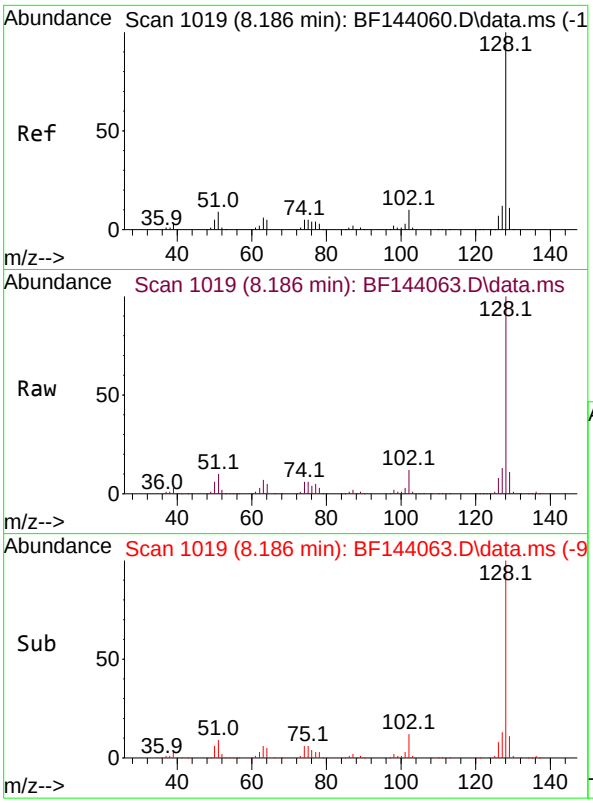


#30
1,2,4-Trichlorobenzene
Concen: 70.150 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



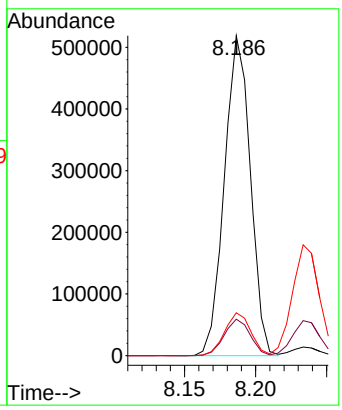


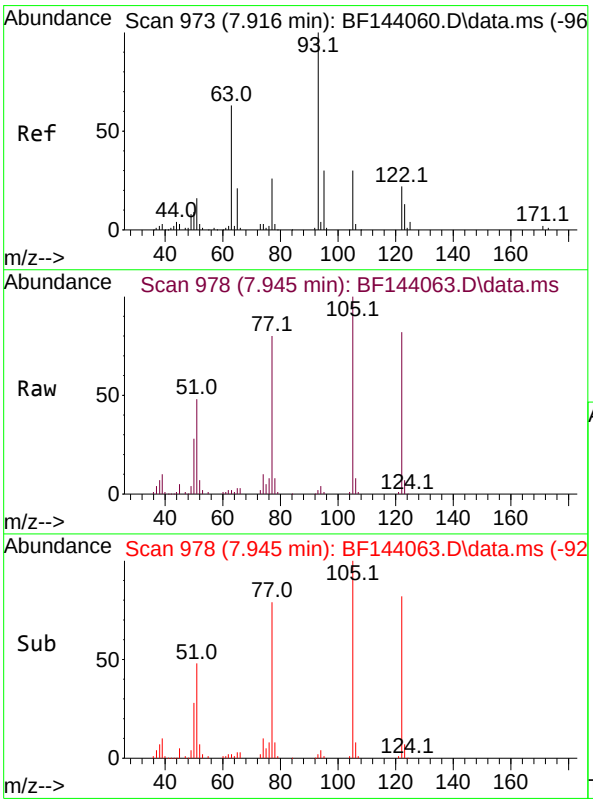
#31
Naphthalene
Concen: 66.812 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

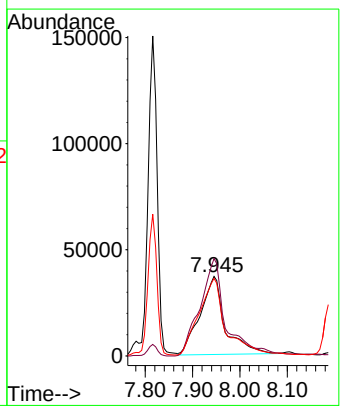


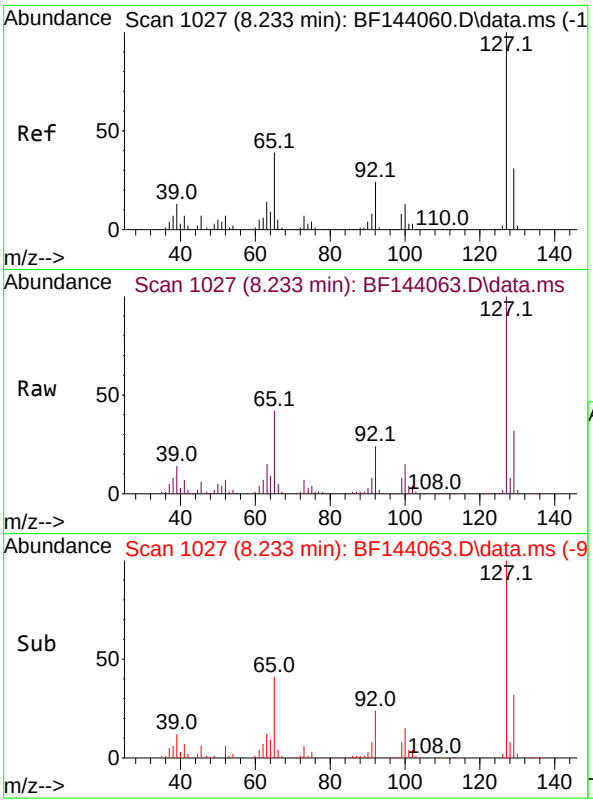


#32
Benzoic acid
Concen: 74.766 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.029 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



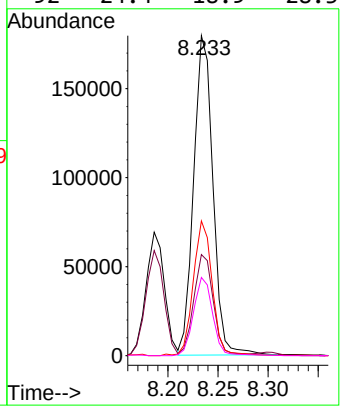


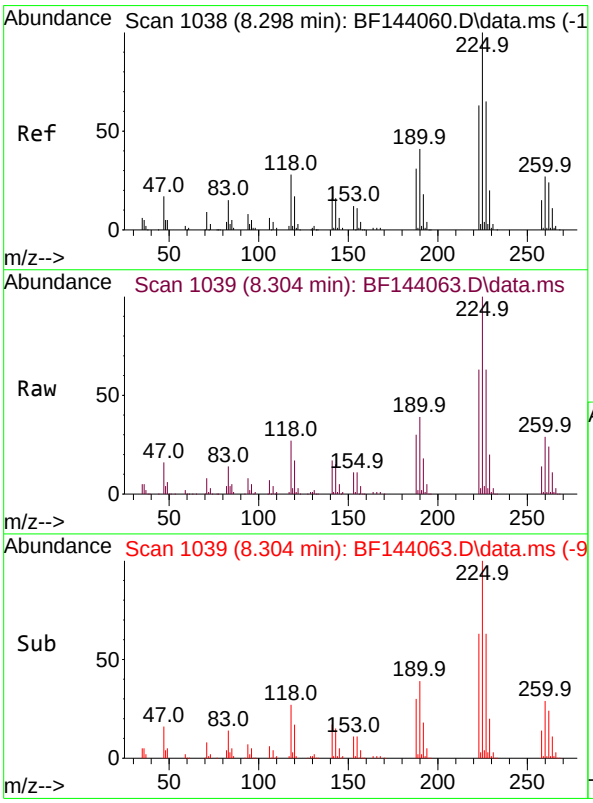
#33
4-Chloroaniline
Concen: 69.535 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

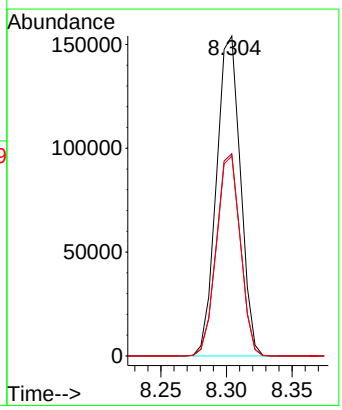


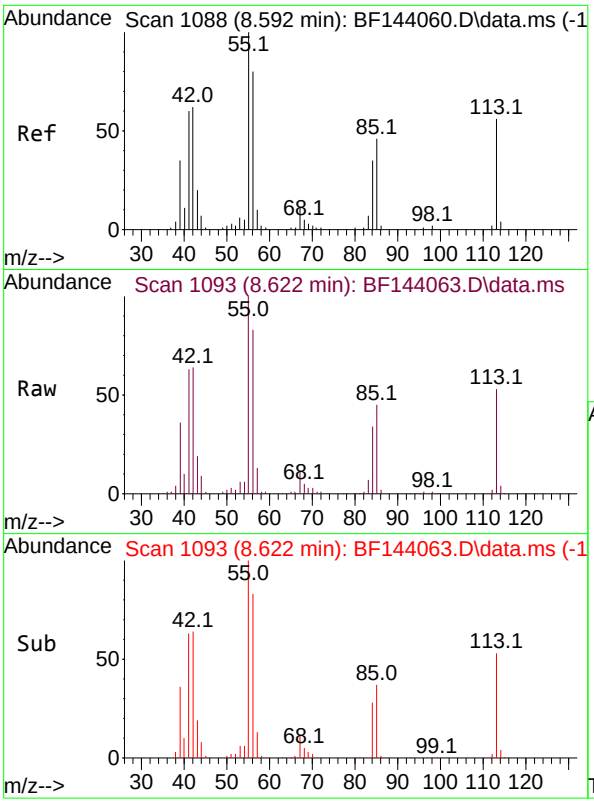


#34
Hexachlorobutadiene
Concen: 70.141 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



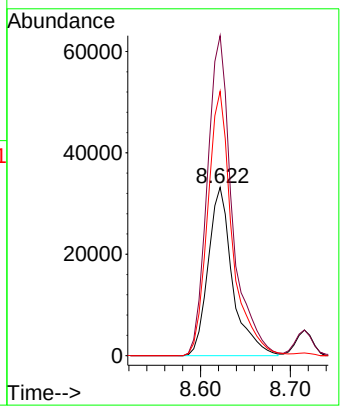


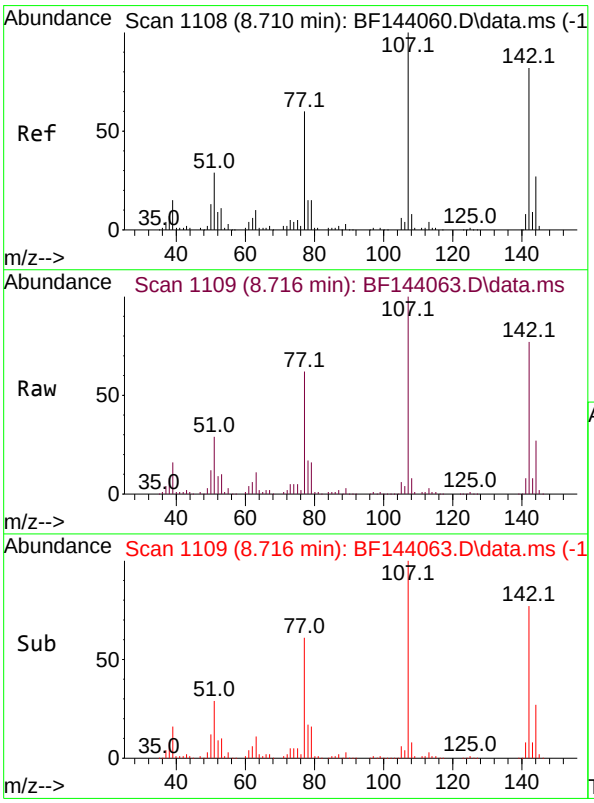
#35
Caprolactam
Concen: 75.462 ng
RT: 8.622 min Scan# 10
Delta R.T. 0.029 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

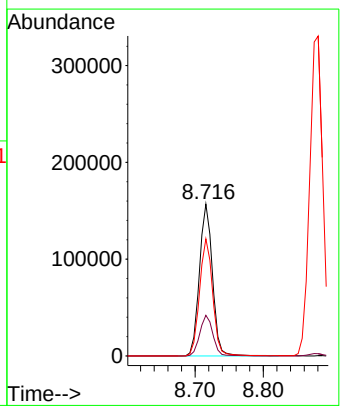


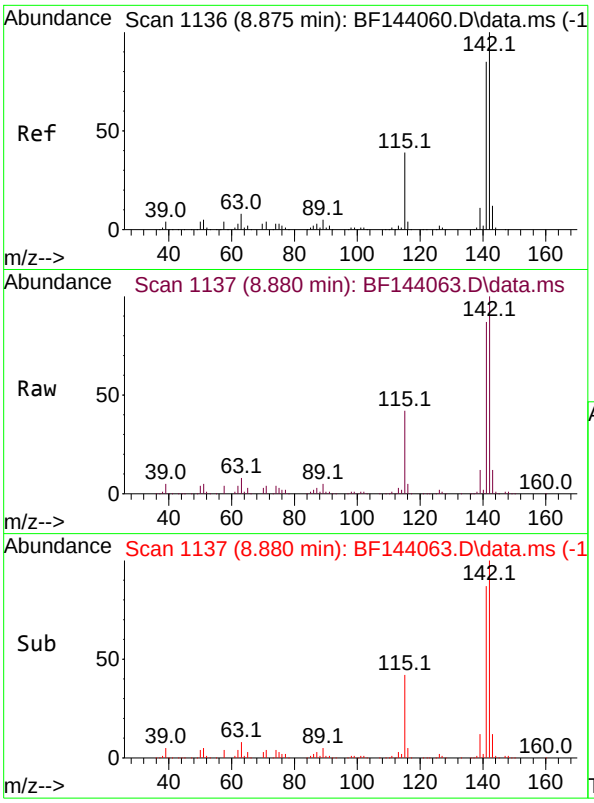


#36
4-Chloro-3-methylphenol
Concen: 71.352 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



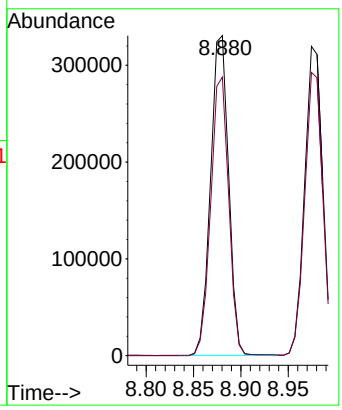


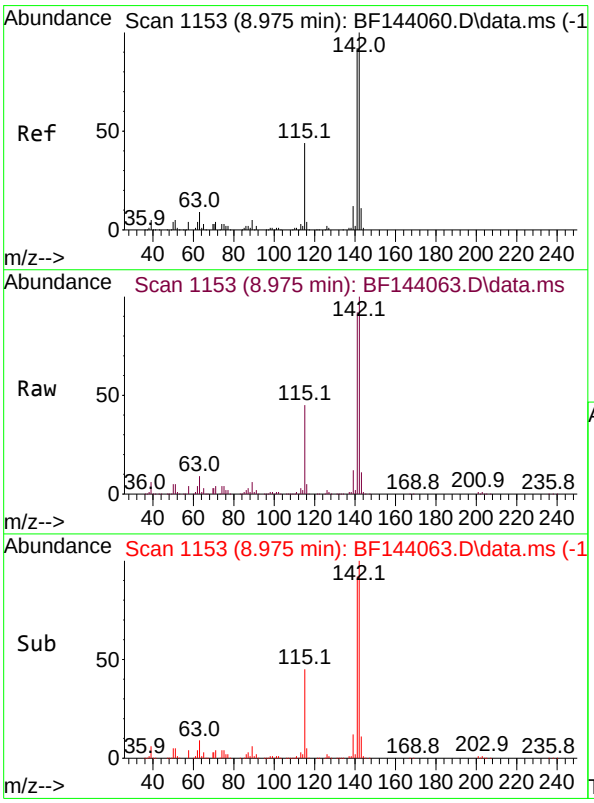
#37
2-Methylnaphthalene
Concen: 67.385 ng
RT: 8.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 438984

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.6	101.4

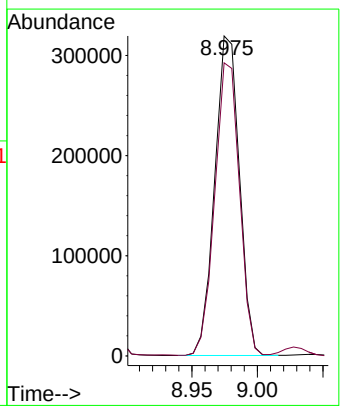


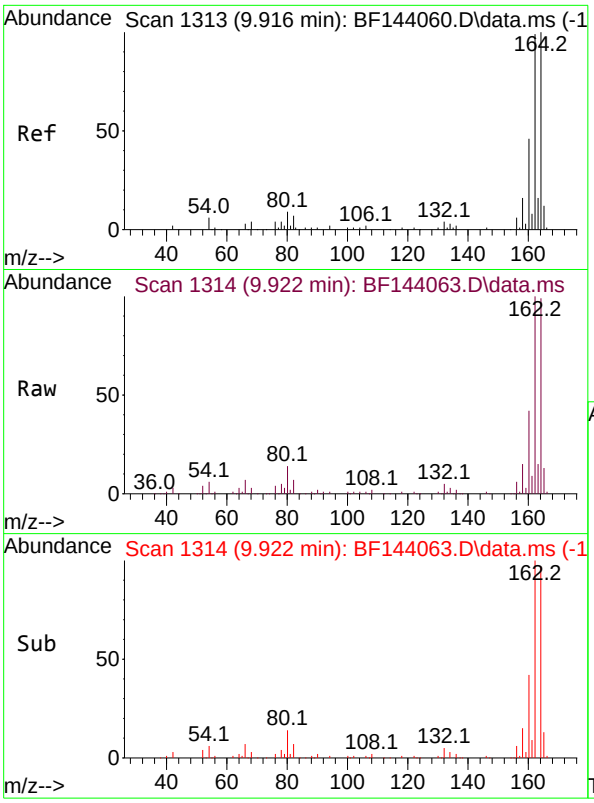


#38
1-Methylnaphthalene
Concen: 67.761 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:142 Resp: 418223

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.4	110.2



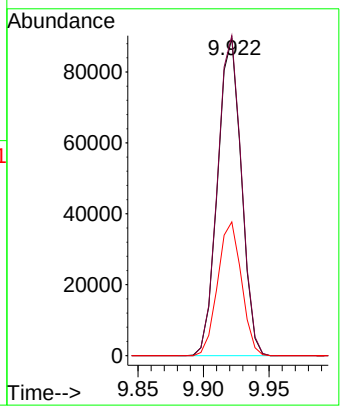


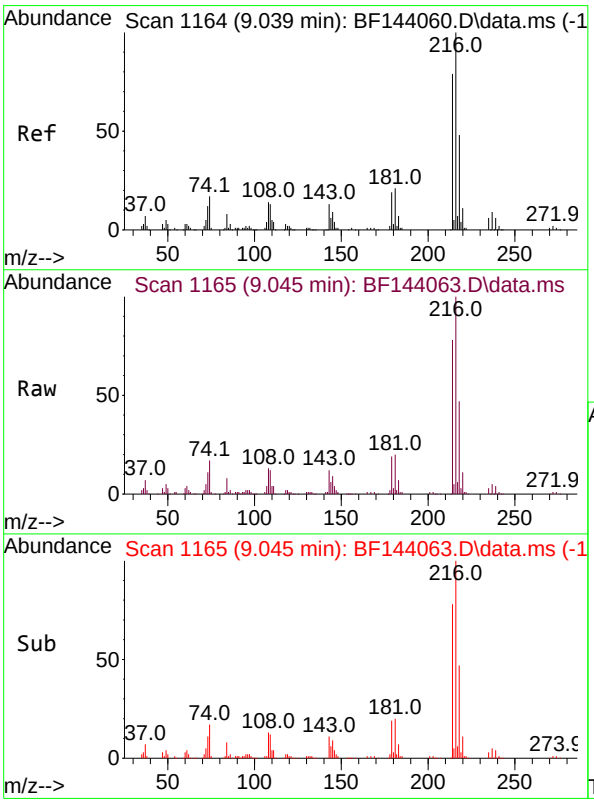
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

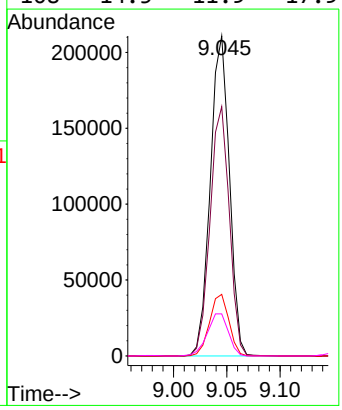


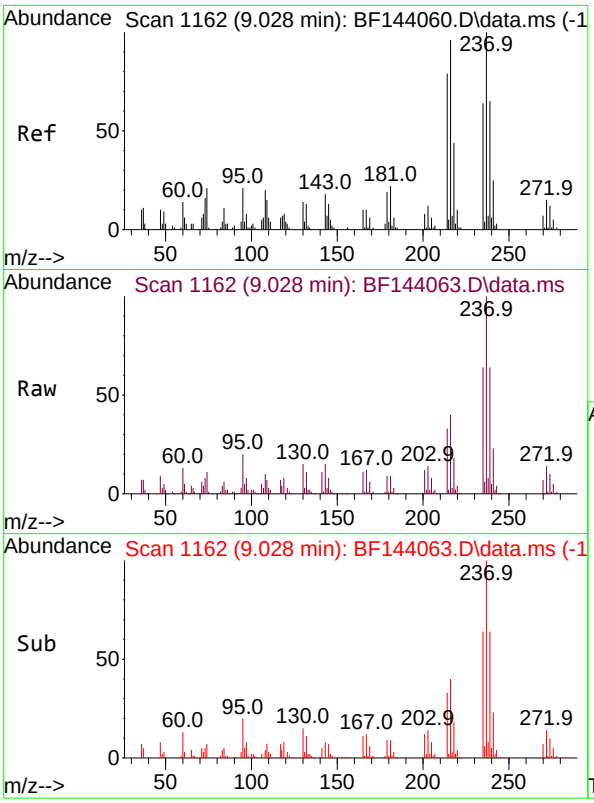


#40
1,2,4,5-Tetrachlorobenzene
Concen: 67.873 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



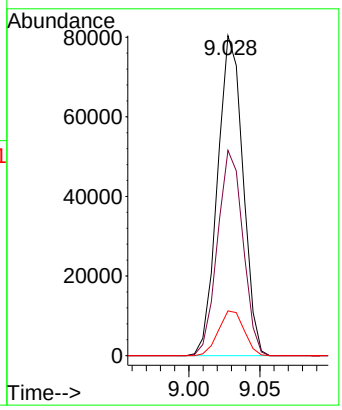


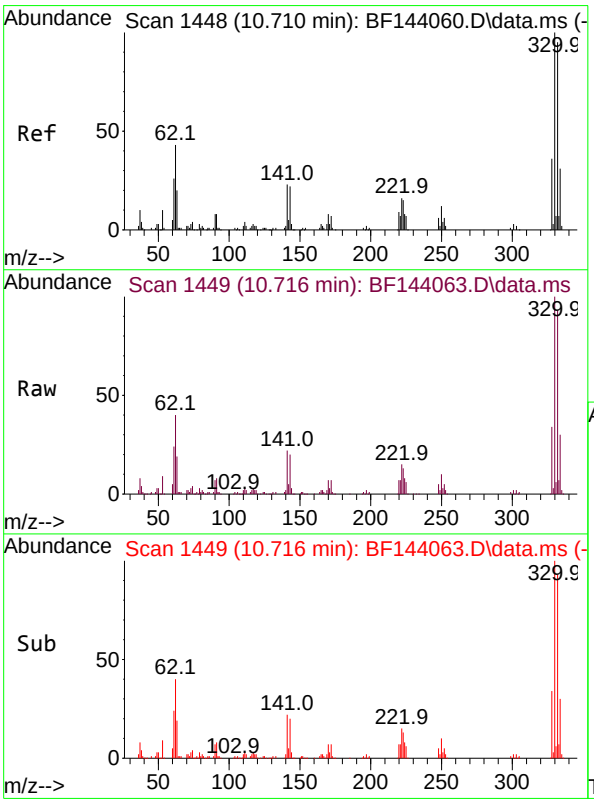
#41
Hexachlorocyclopentadiene
Concen: 83.468 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

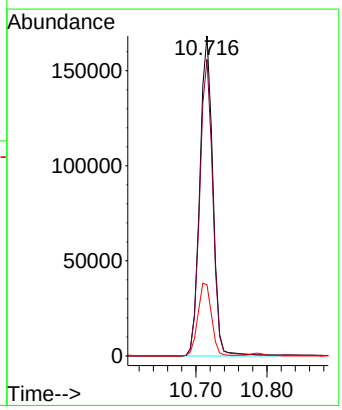


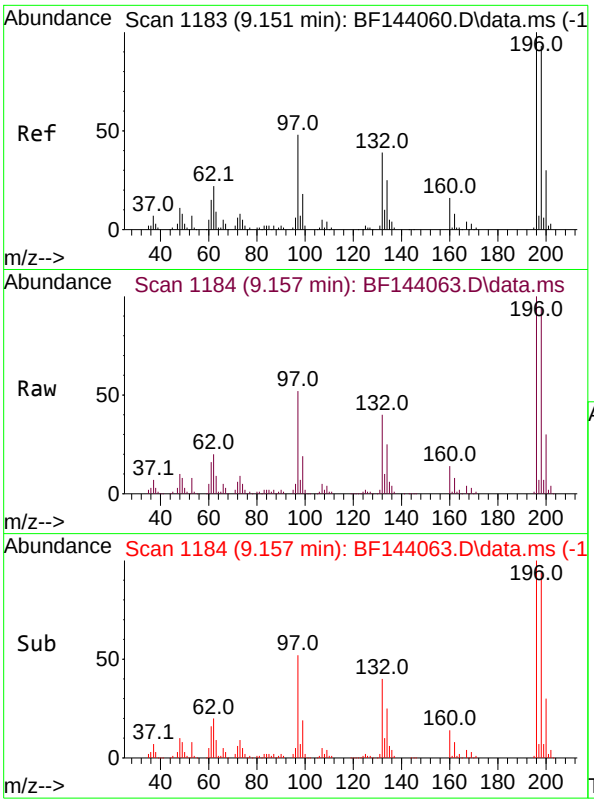


#42
2,4,6-Tribromophenol
Concen: 148.116 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



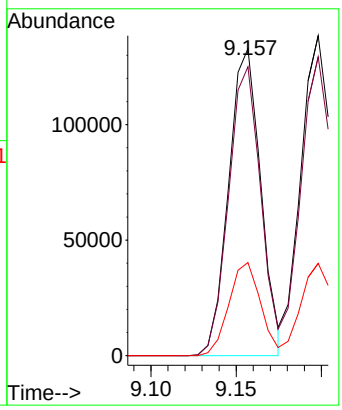


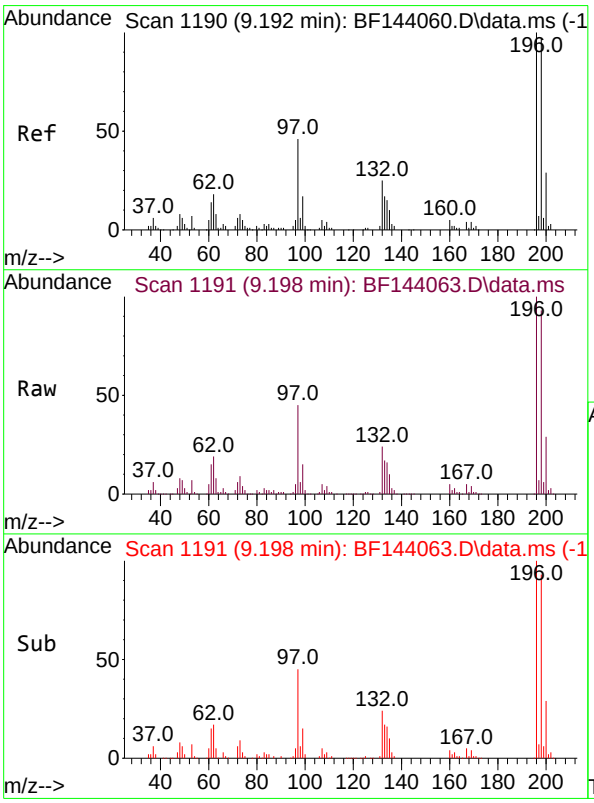
#43
2,4,6-Trichlorophenol
Concen: 69.040 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

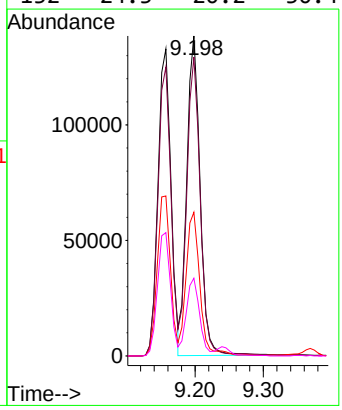


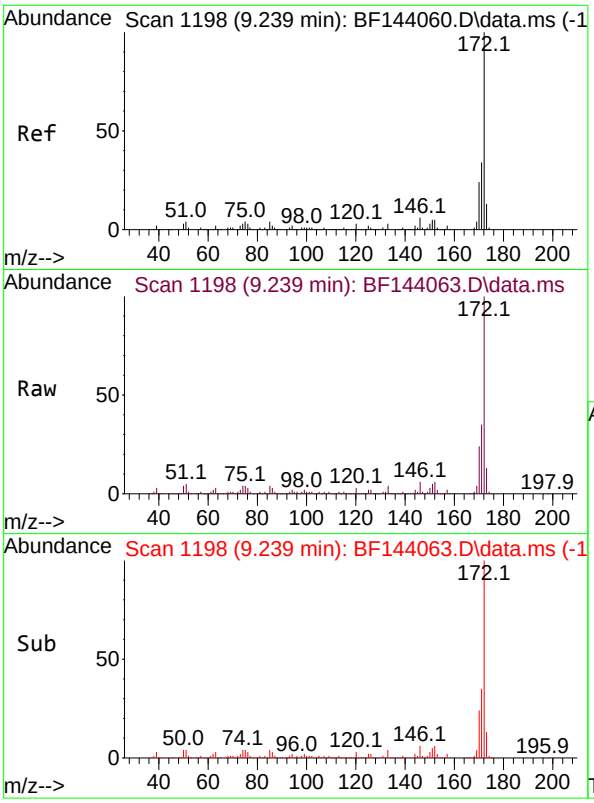


#44
2,4,5-Trichlorophenol
Concen: 71.565 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



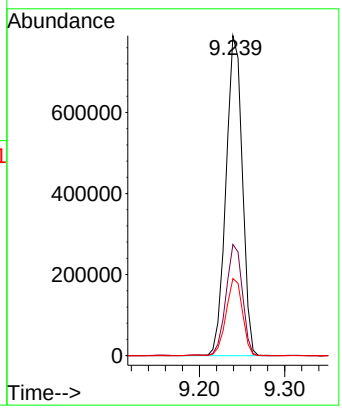


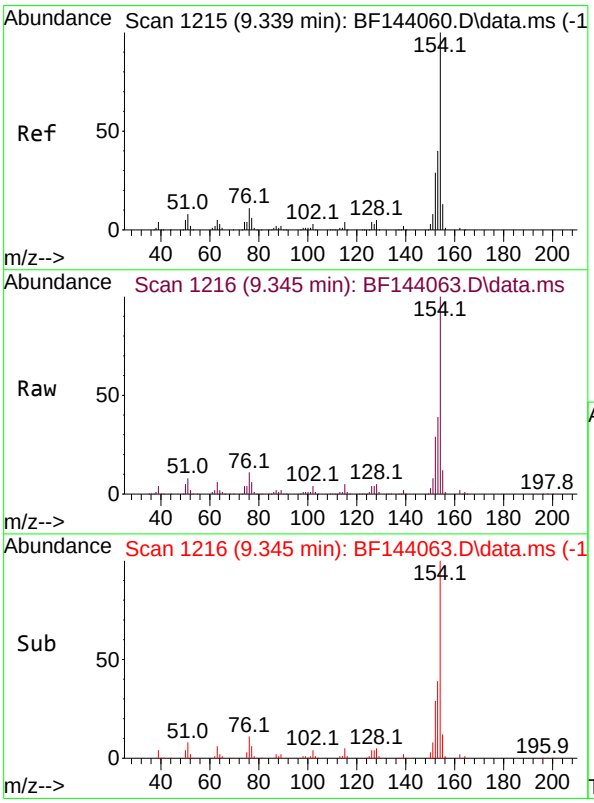
#45
2-Fluorobiphenyl
Concen: 131.050 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

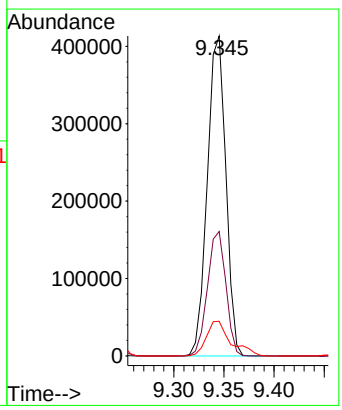


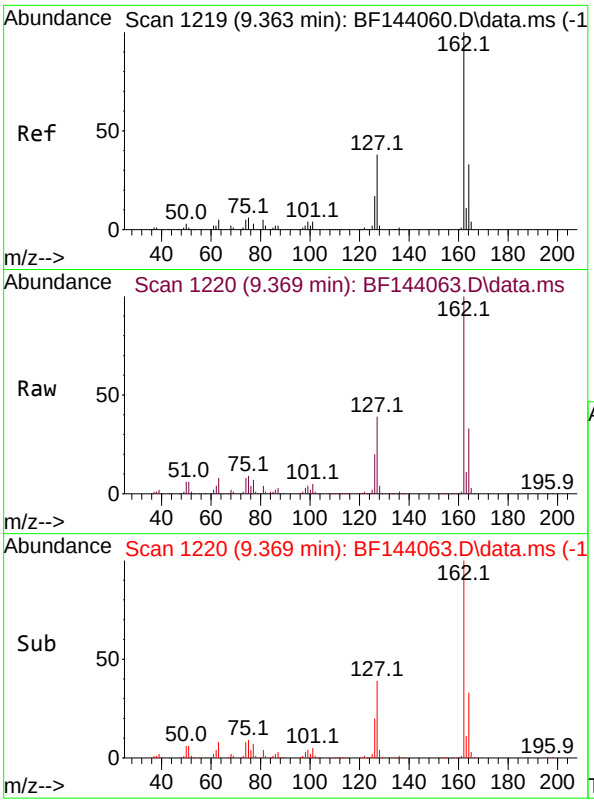


#46
1,1'-Biphenyl
Concen: 65.690 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



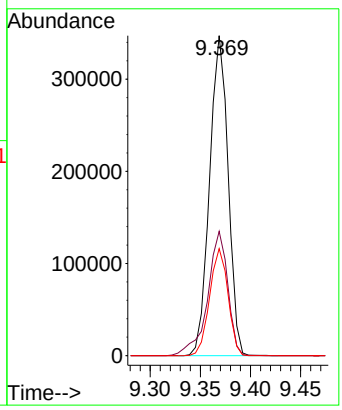


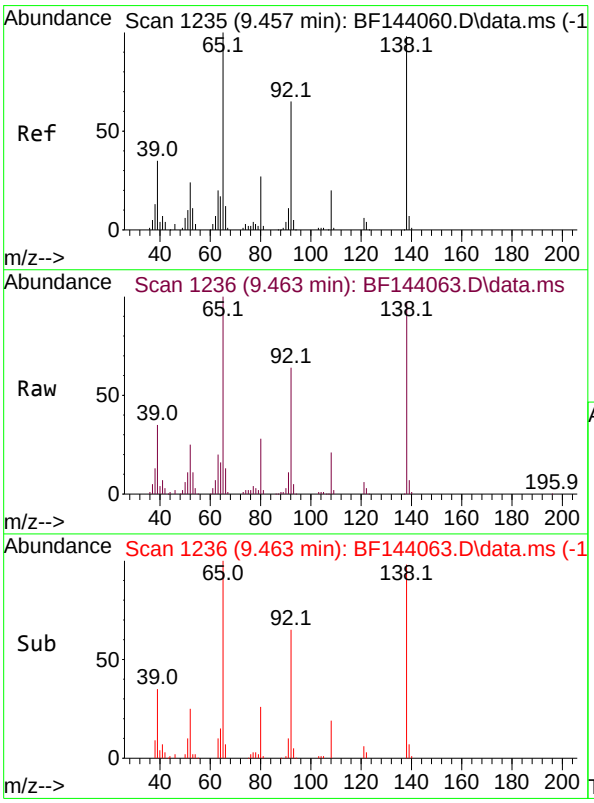
#47
2-Chloronaphthalene
Concen: 65.979 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

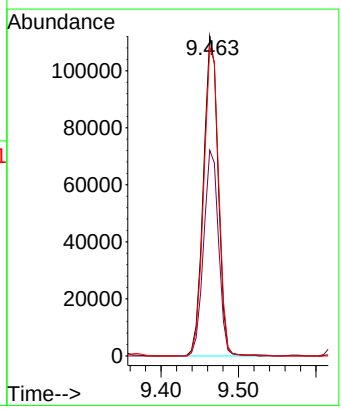


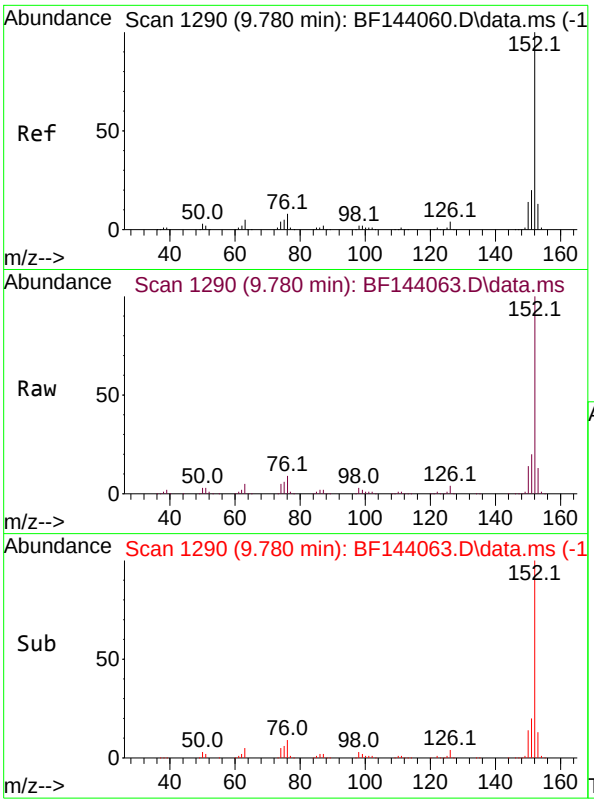


#48
2-Nitroaniline
Concen: 73.762 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



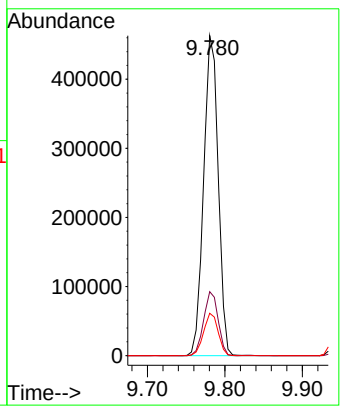


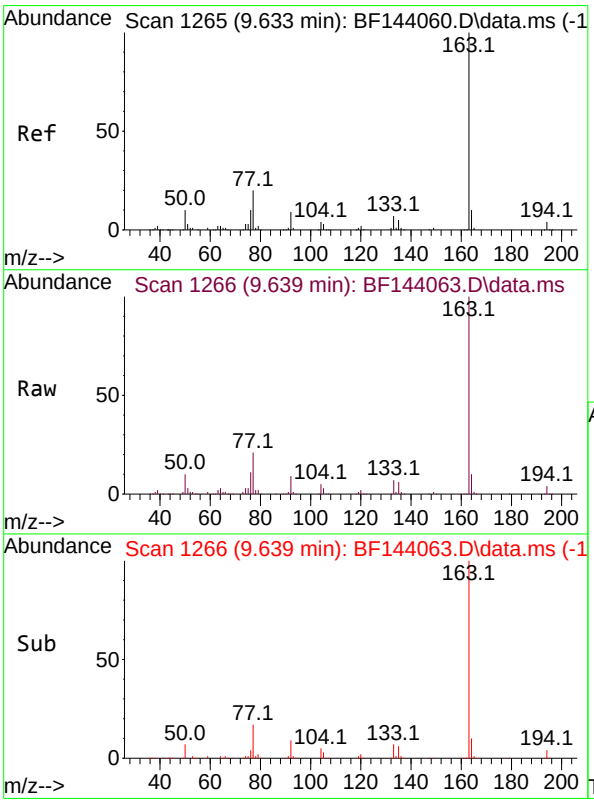
#49
Acenaphthylene
Concen: 66.126 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

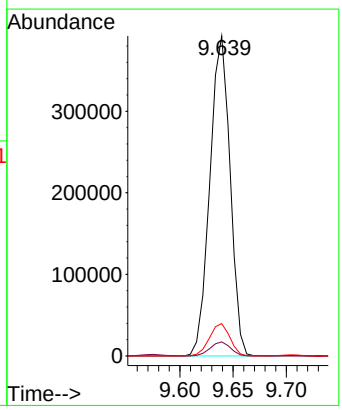


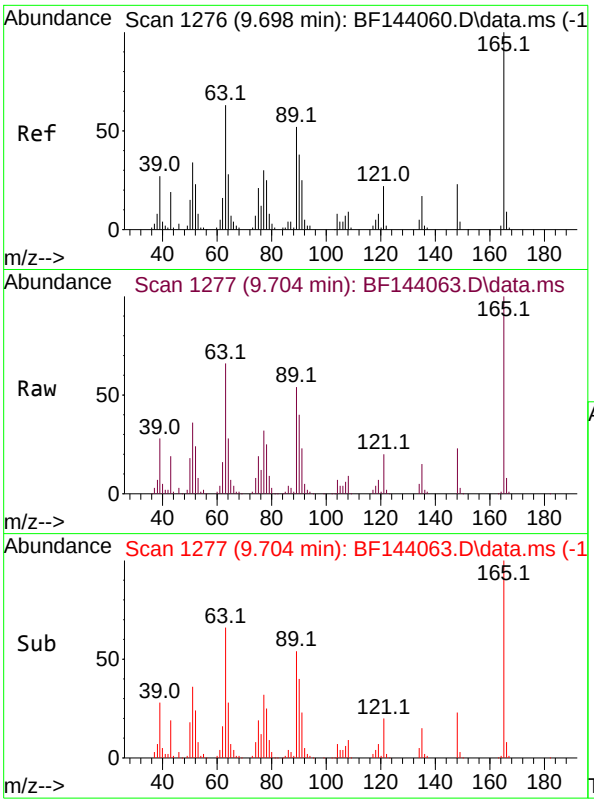


#50
Dimethylphthalate
Concen: 69.954 ng
RT: 9.639 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



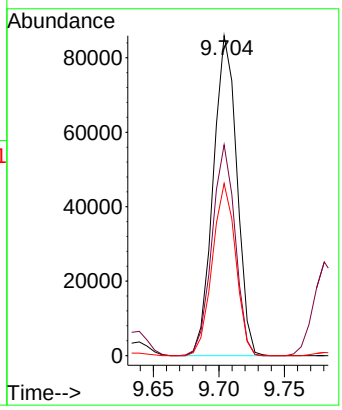


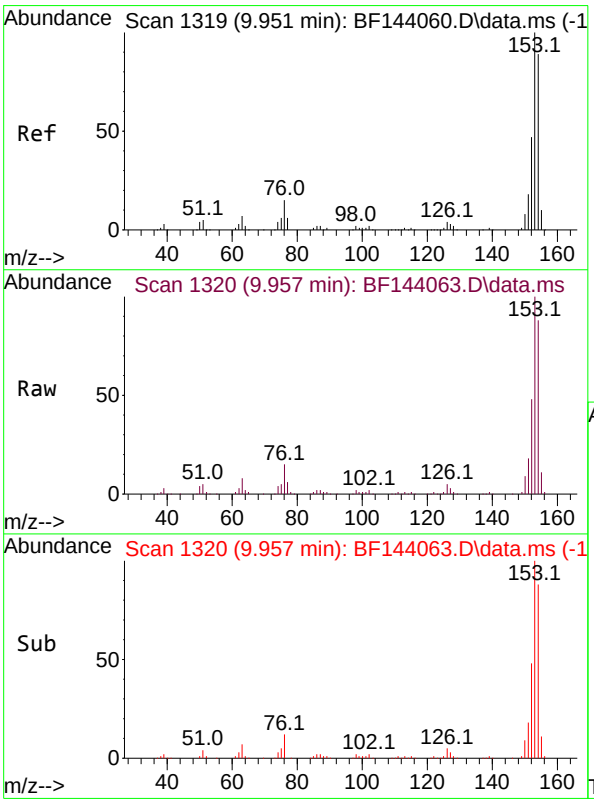
#51
2,6-Dinitrotoluene
Concen: 73.947 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

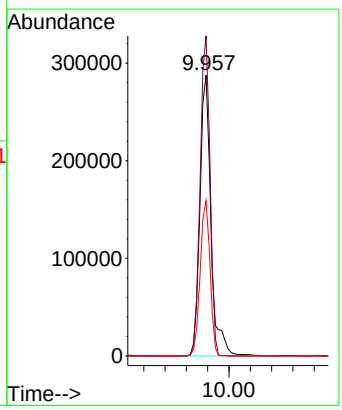


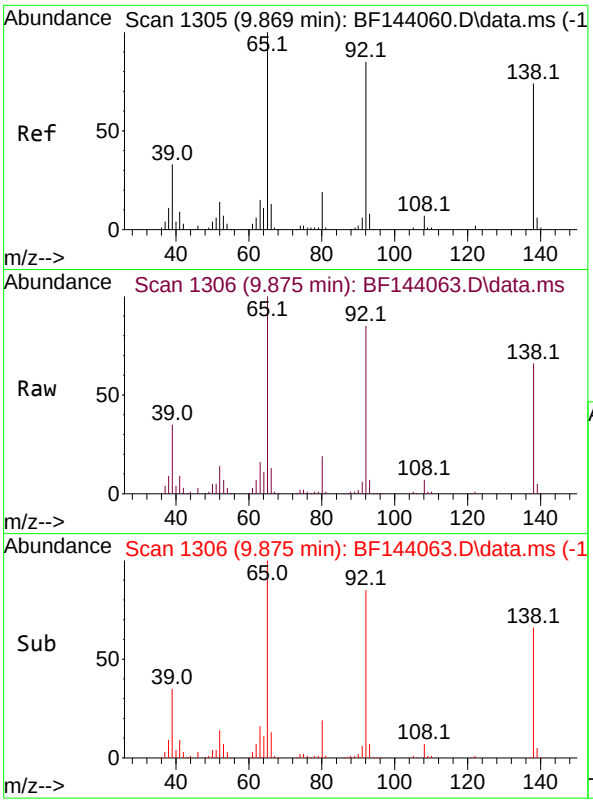


#52
Acenaphthene
Concen: 67.707 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



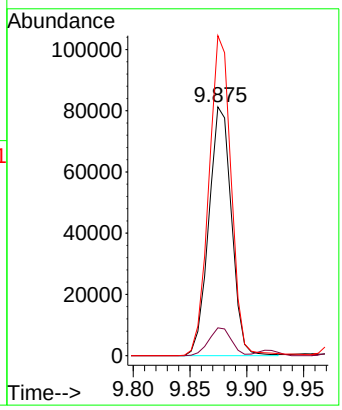


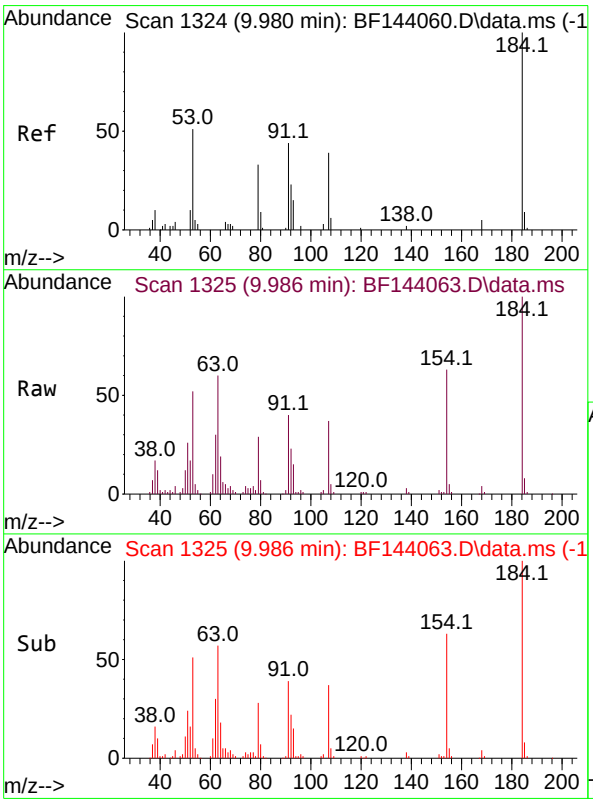
#53
3-Nitroaniline
Concen: 69.421 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

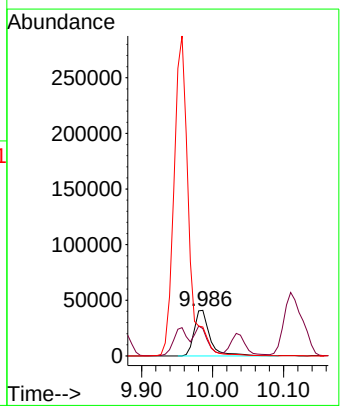


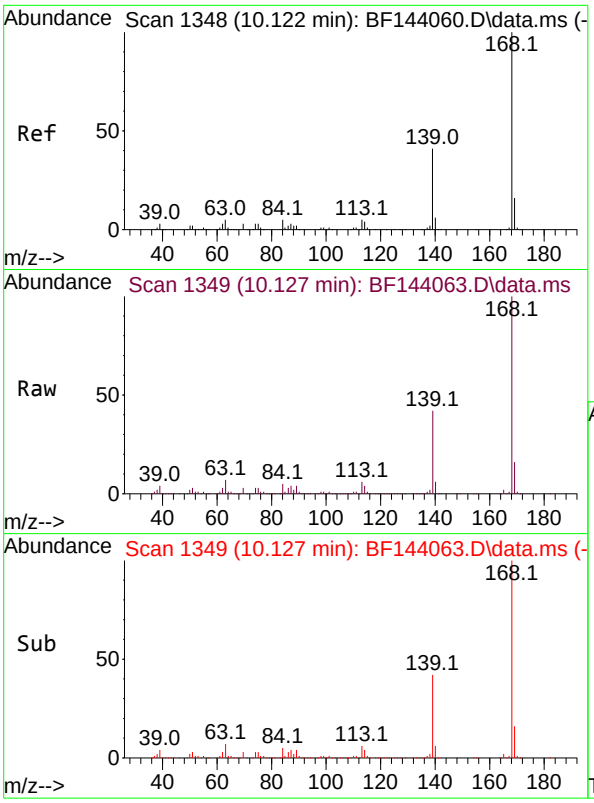


#54
2,4-Dinitrophenol
Concen: 79.646 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



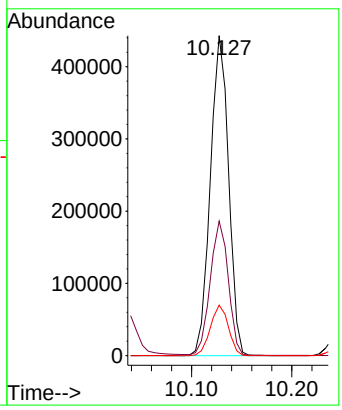


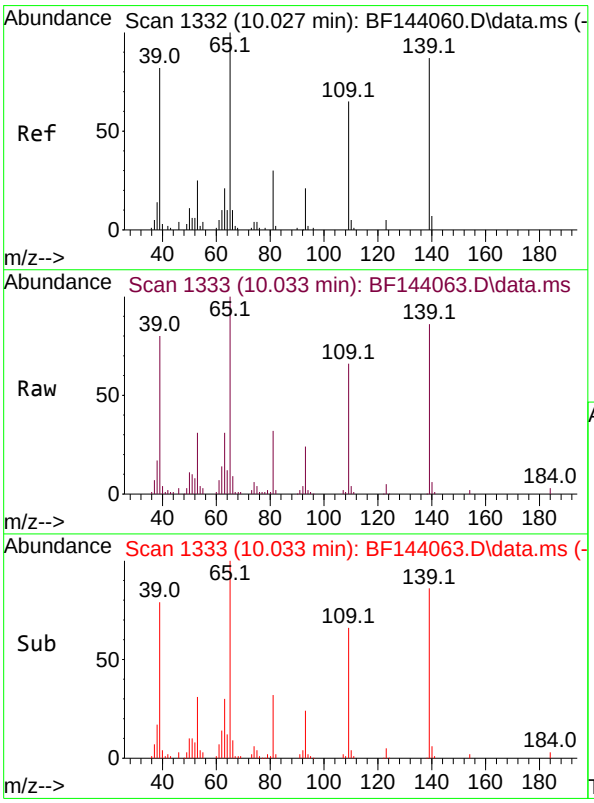
#55
Dibenzofuran
Concen: 66.253 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

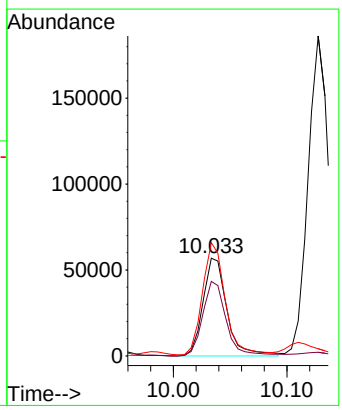


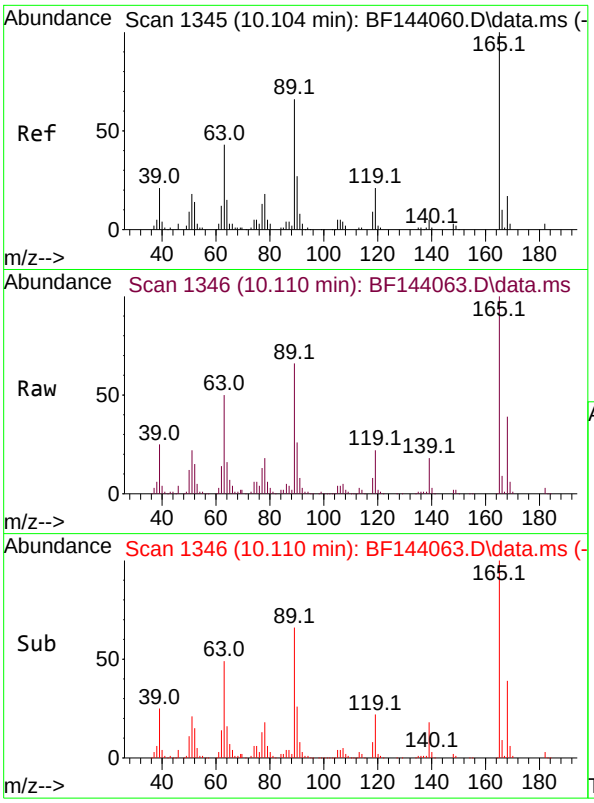


#56
4-Nitrophenol
Concen: 75.509 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



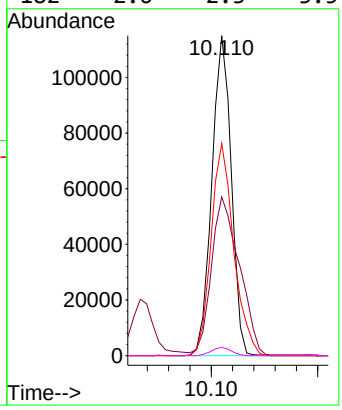


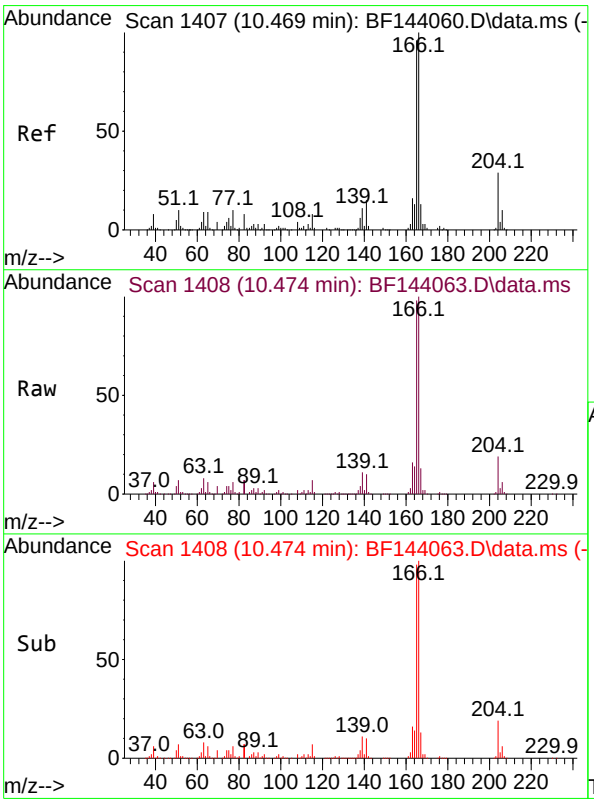
#57
2,4-Dinitrotoluene
Concen: 73.844 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

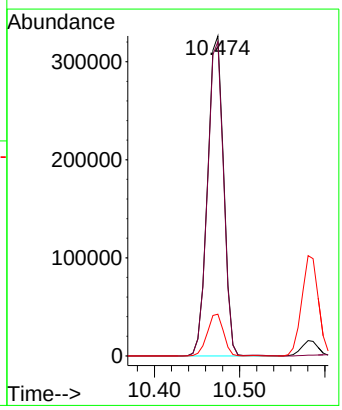


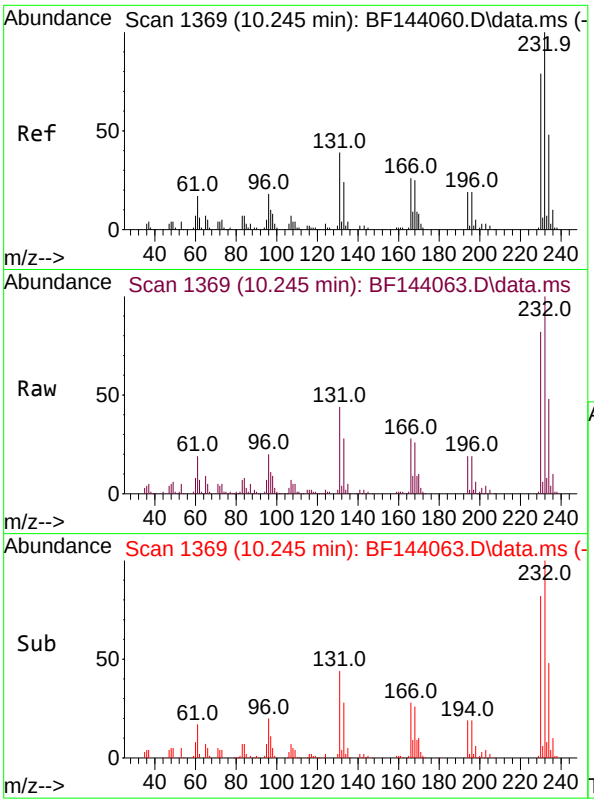


#58
Fluorene
Concen: 66.175 ng
RT: 10.474 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



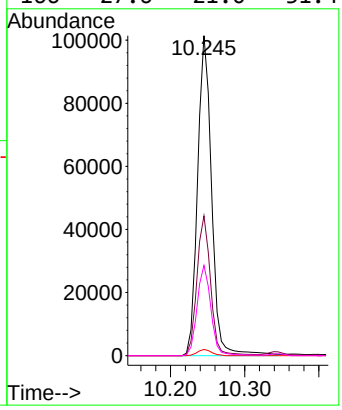


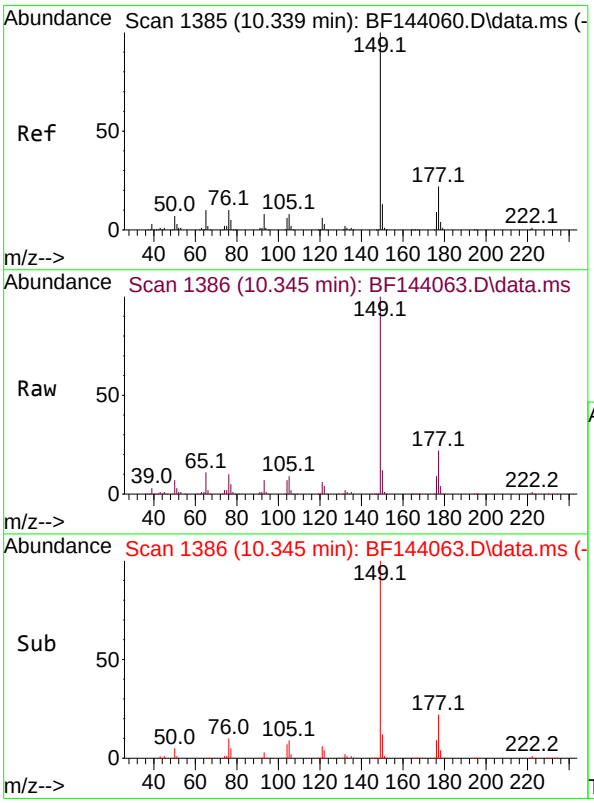
#59
2,3,4,6-Tetrachlorophenol
Concen: 71.865 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

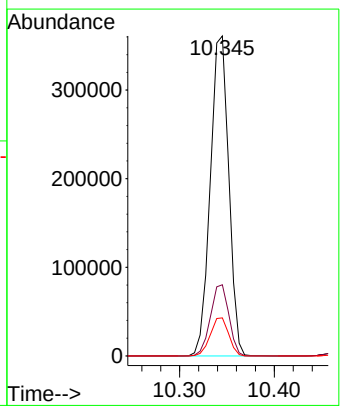


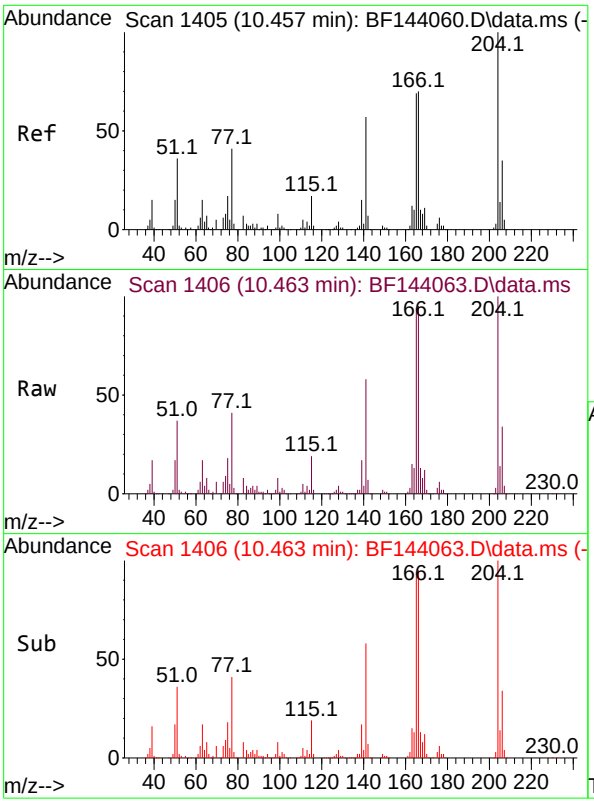


#60
Diethylphthalate
Concen: 70.274 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



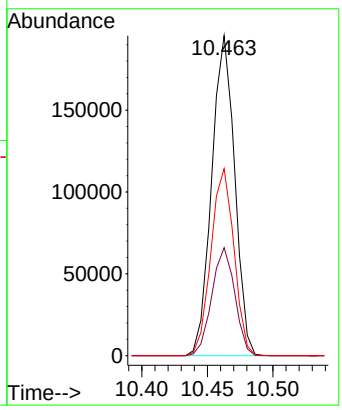


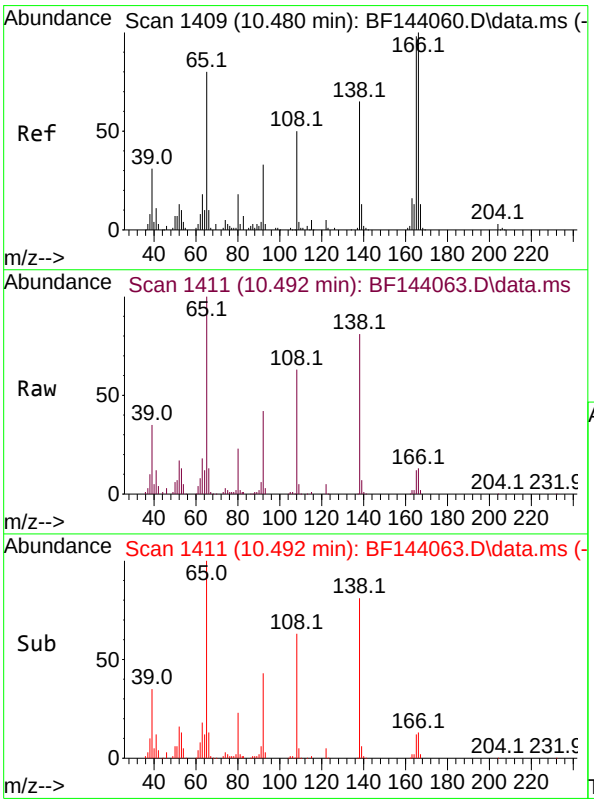
#61
4-Chlorophenyl-phenylether
Concen: 65.871 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

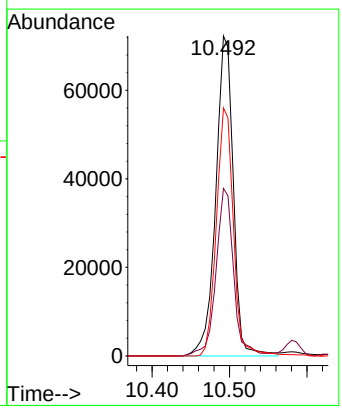


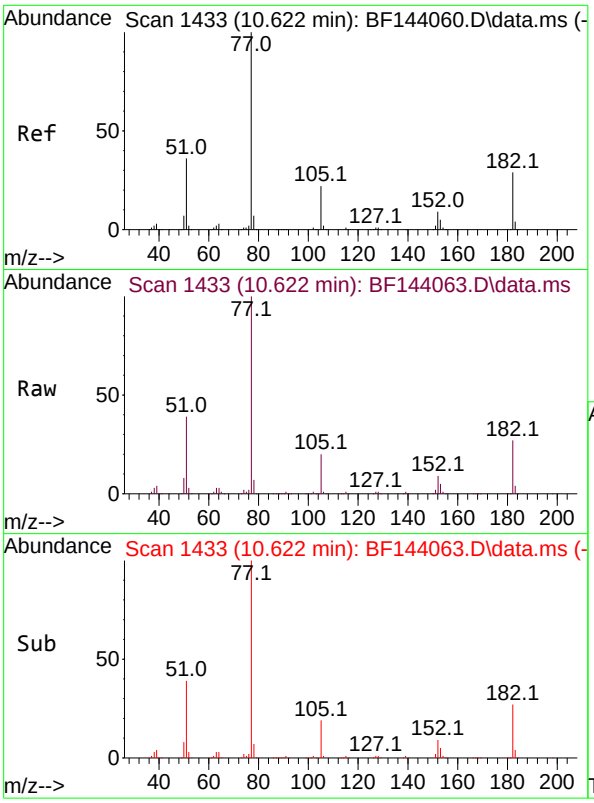


#62
4-Nitroaniline
Concen: 73.997 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



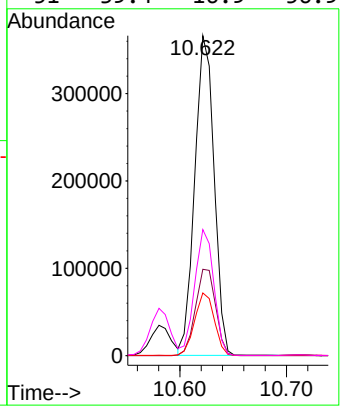


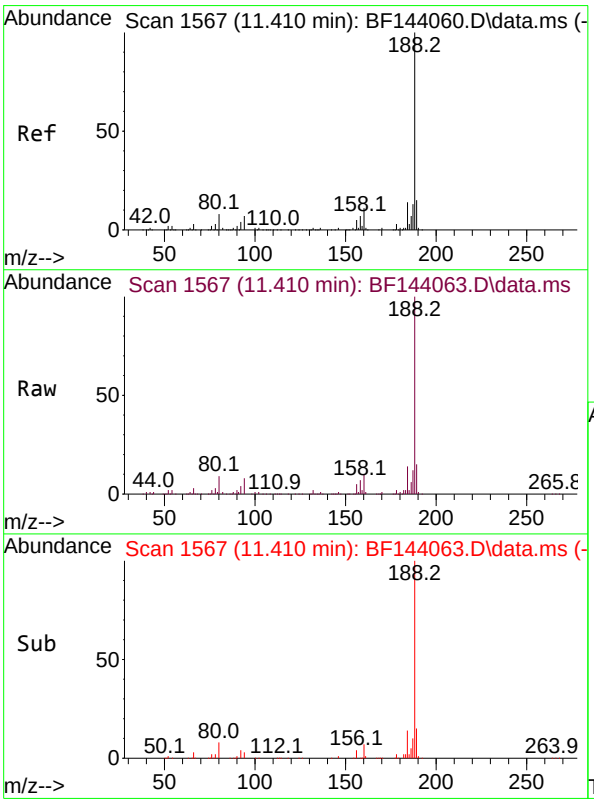
#63
Azobenzene
Concen: 69.934 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

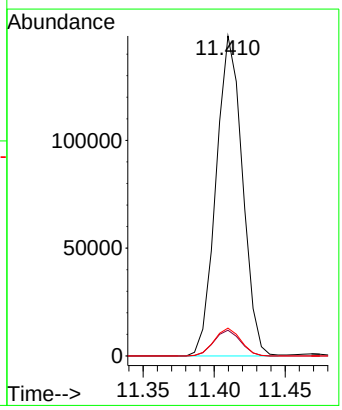


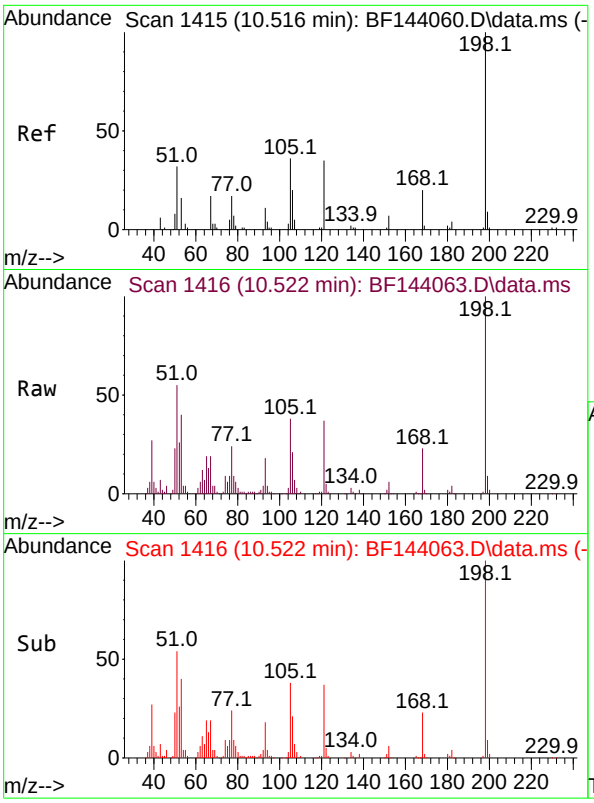


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



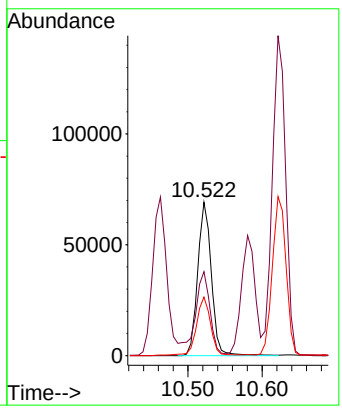


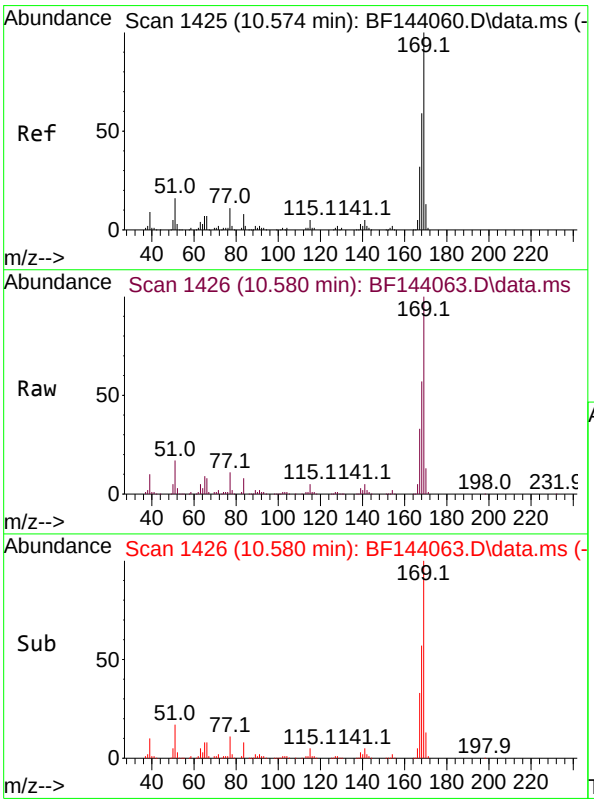
#65
4,6-Dinitro-2-methylphenol
Concen: 72.027 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

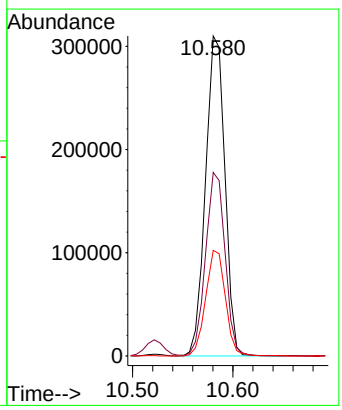


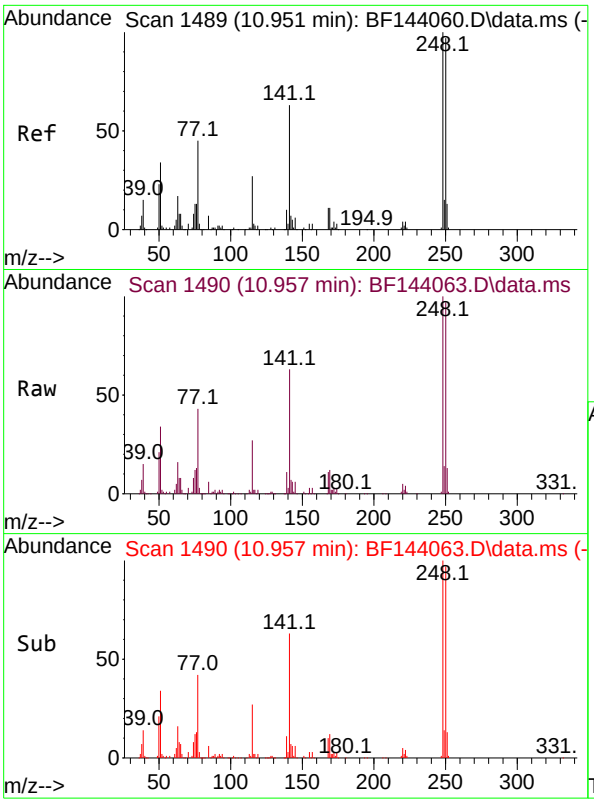


#66
n-Nitrosodiphenylamine
Concen: 67.908 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



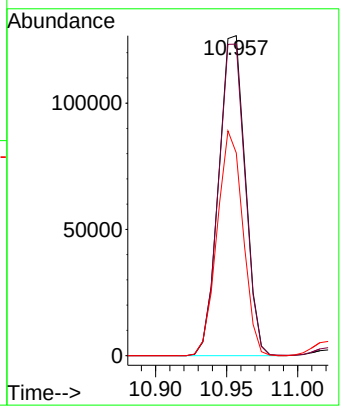


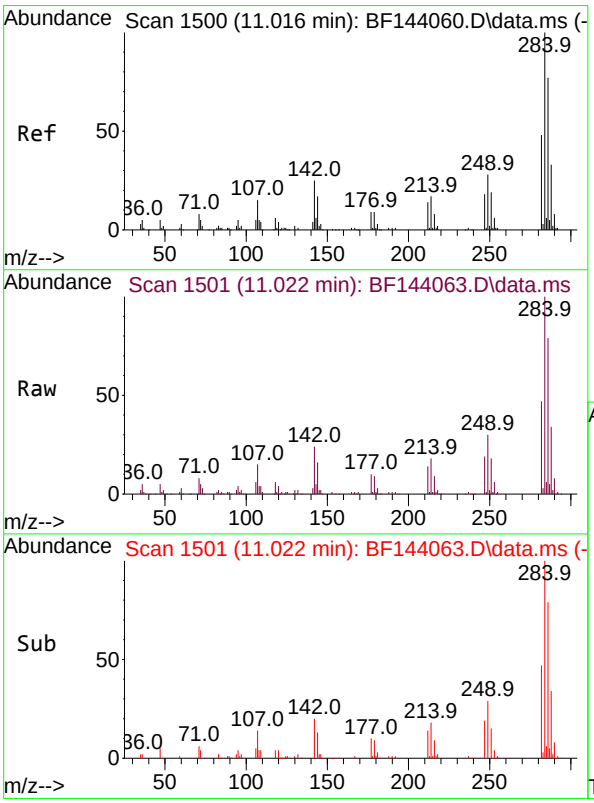
#67
4-Bromophenyl-phenylether
Concen: 68.643 ng
RT: 10.957 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

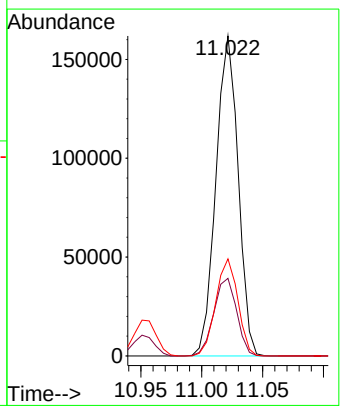


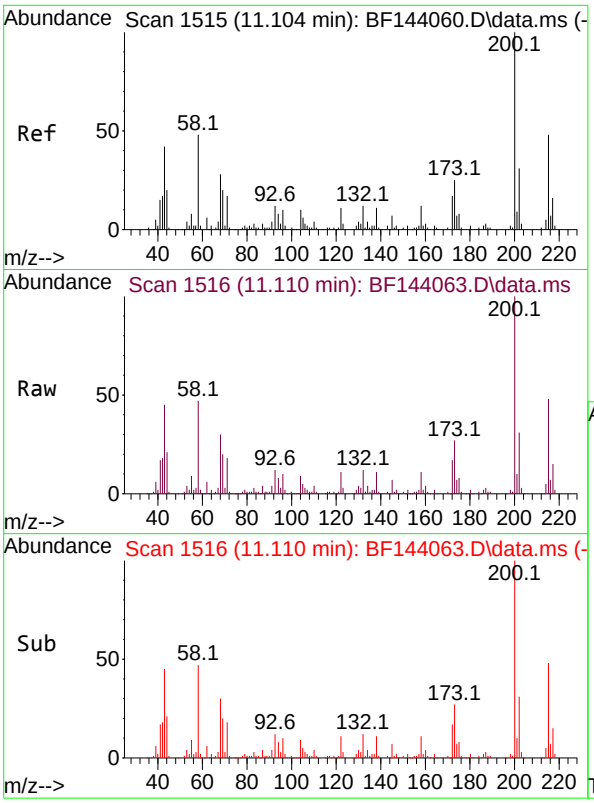


#68
Hexachlorobenzene
Concen: 69.766 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



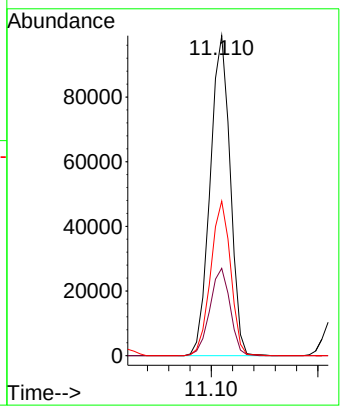


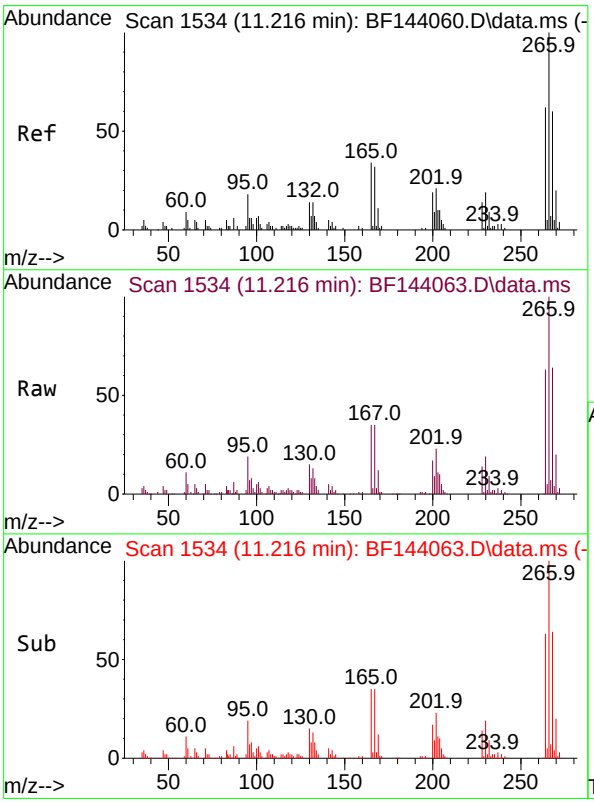
#69
Atrazine
Concen: 64.536 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

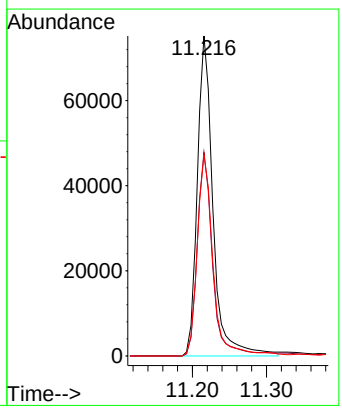


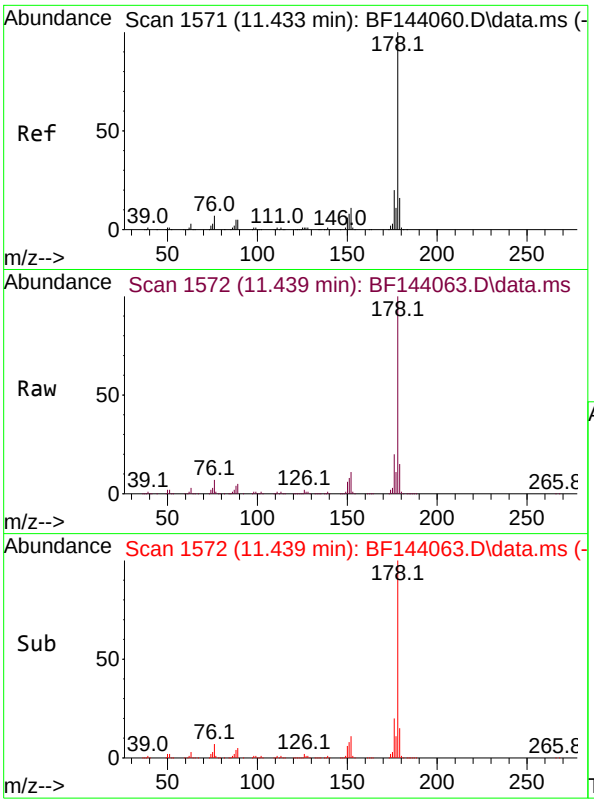


#70
Pentachlorophenol
Concen: 79.055 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



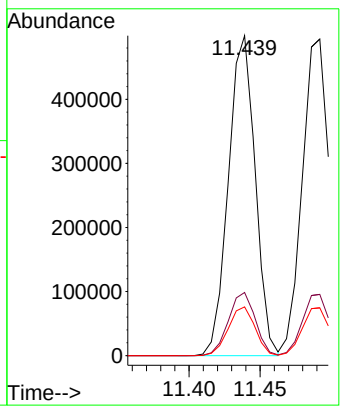


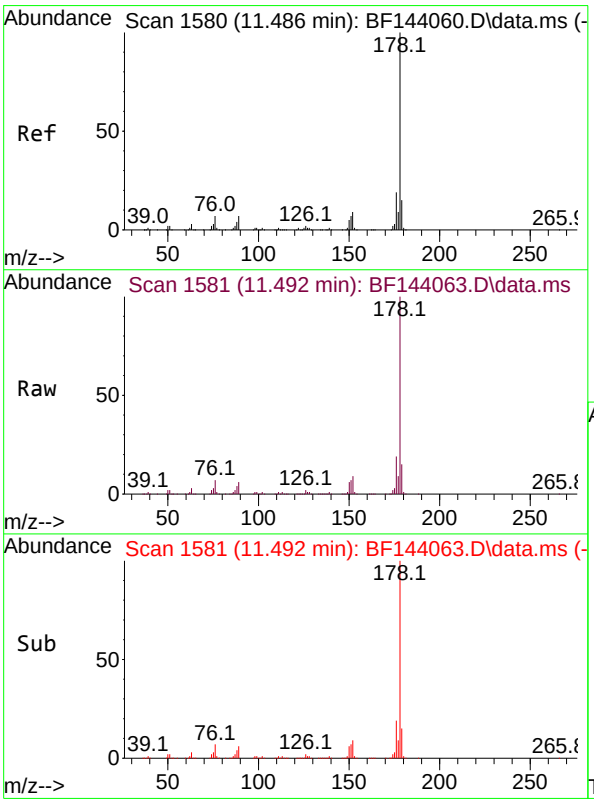
#71
Phenanthrene
Concen: 68.769 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

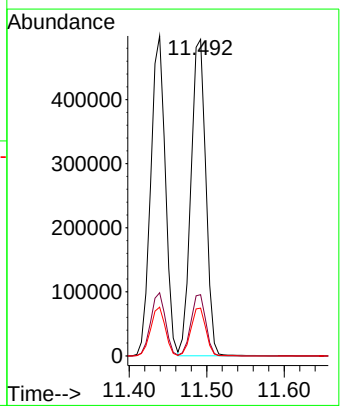


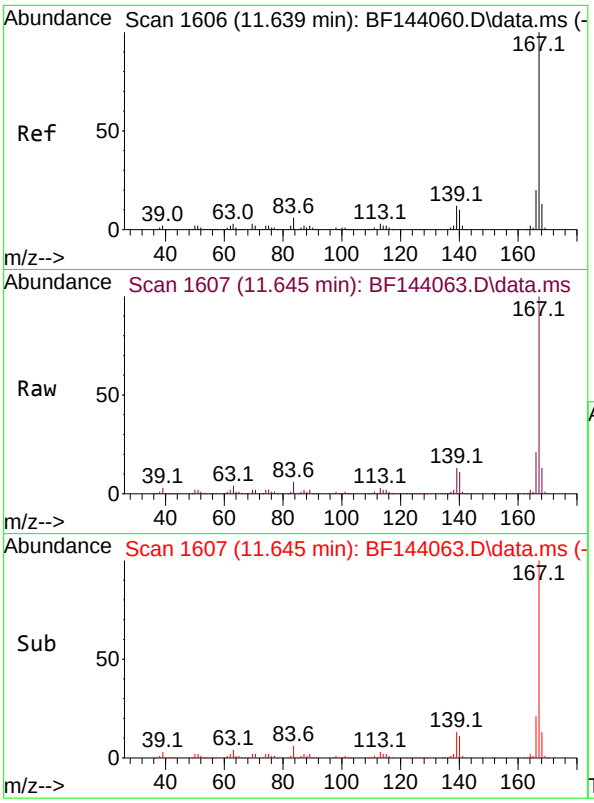


#72
Anthracene
Concen: 66.765 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



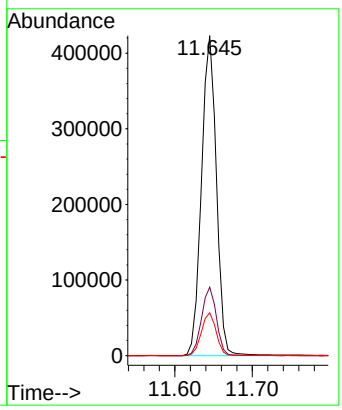


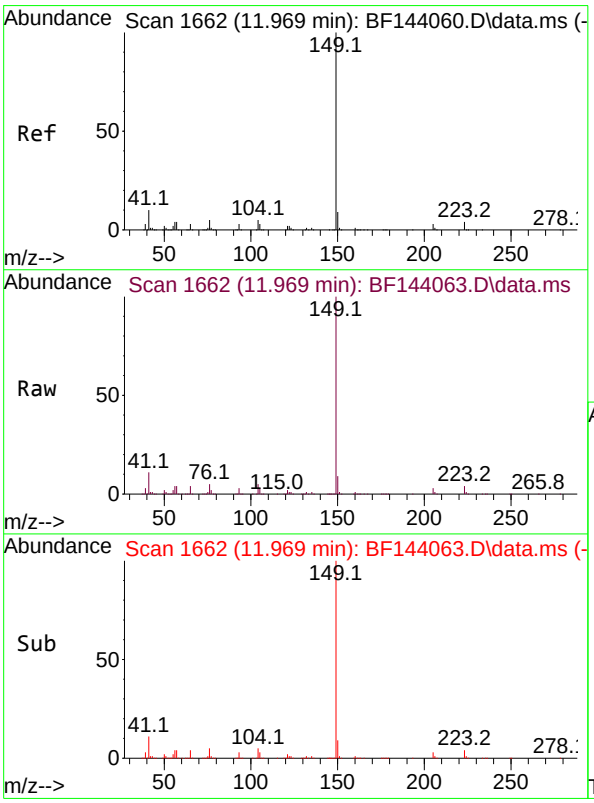
#73
Carbazole
Concen: 67.538 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

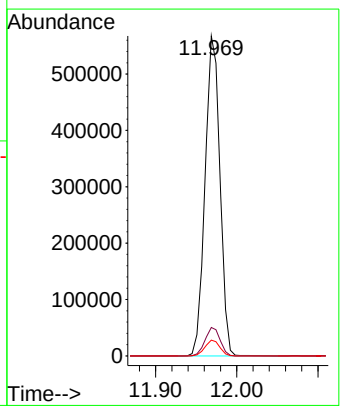


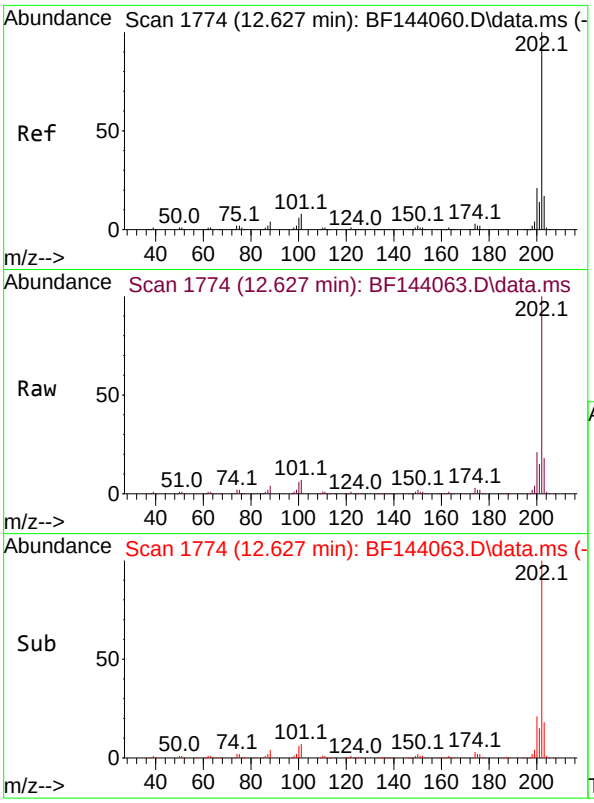


#74
Di-n-butylphthalate
Concen: 70.556 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



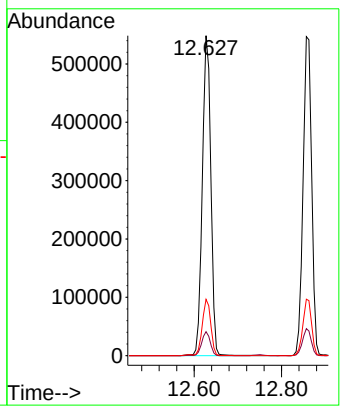


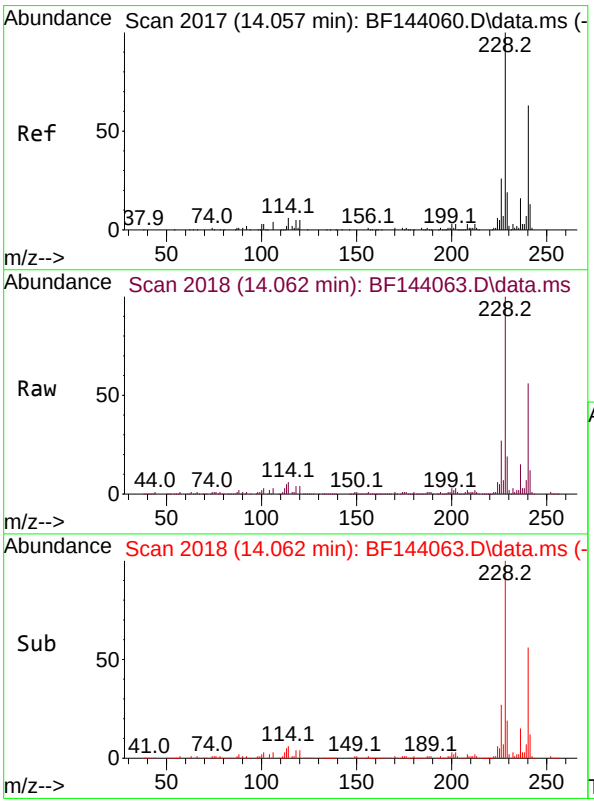
#75
Fluoranthene
Concen: 69.552 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

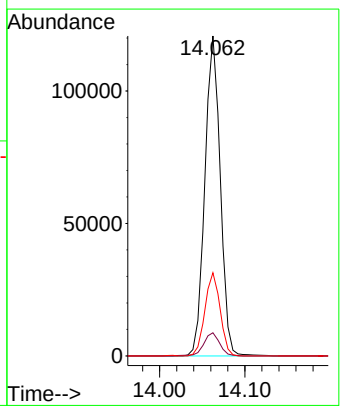


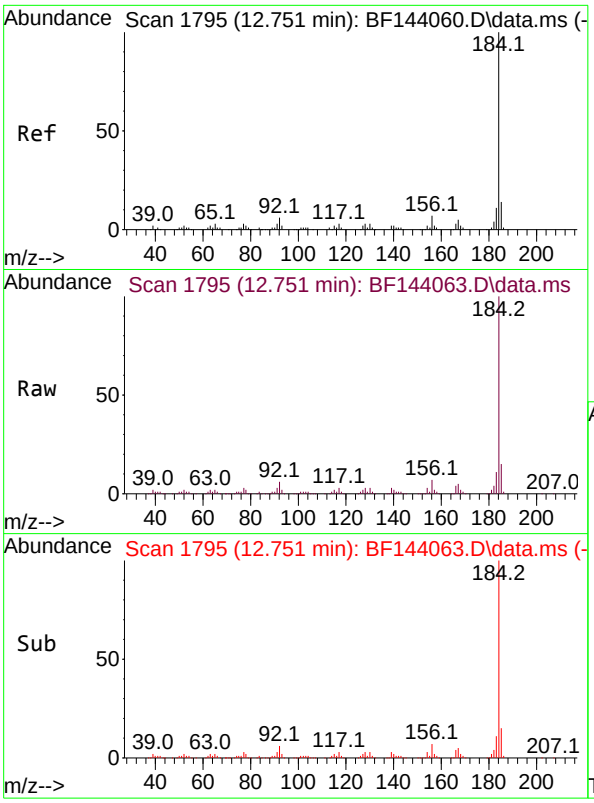


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



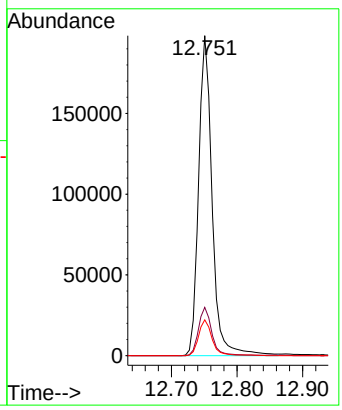


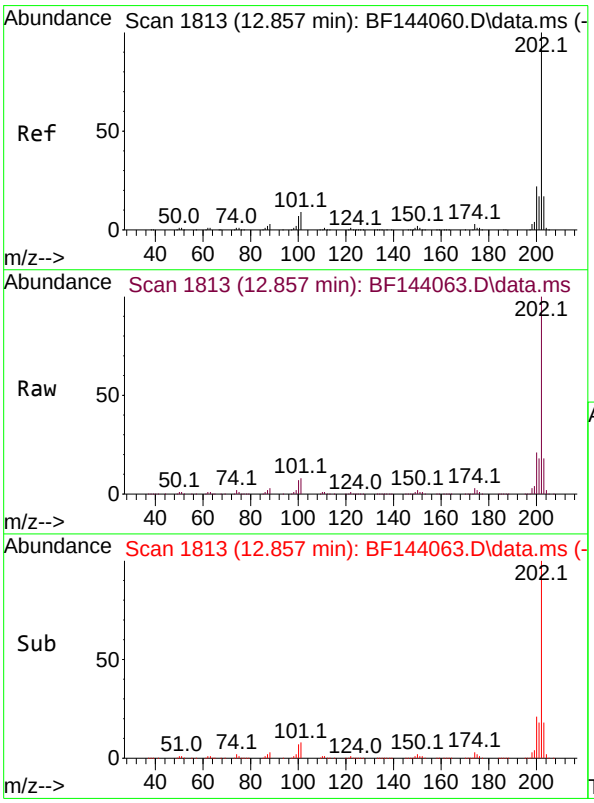
#77
Benzidine
Concen: 59.887 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

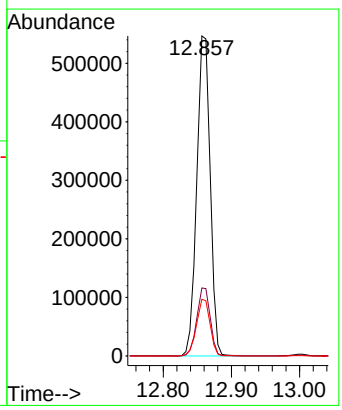


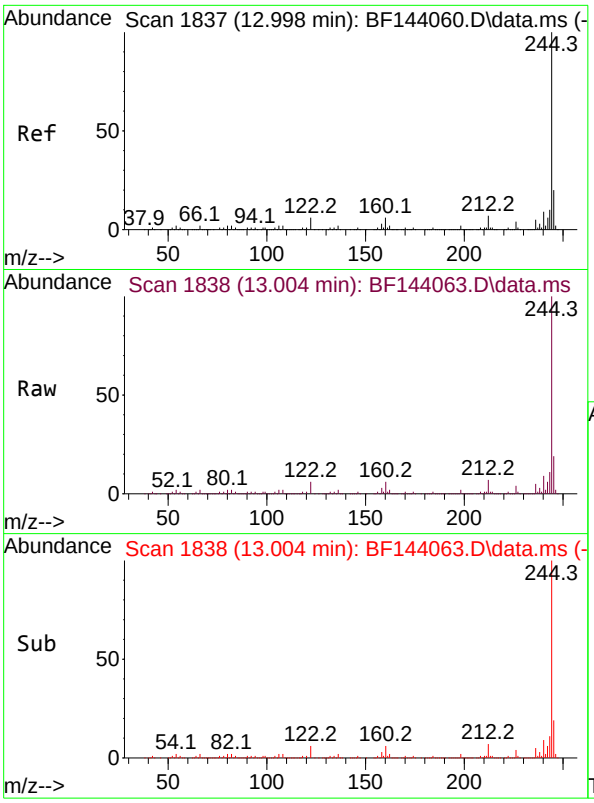


#78
Pyrene
Concen: 68.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



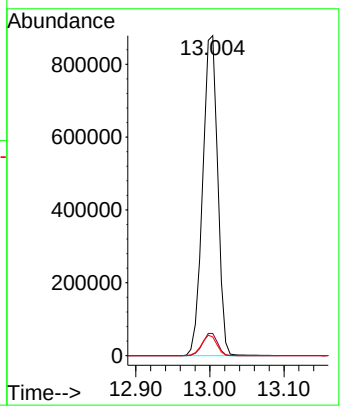


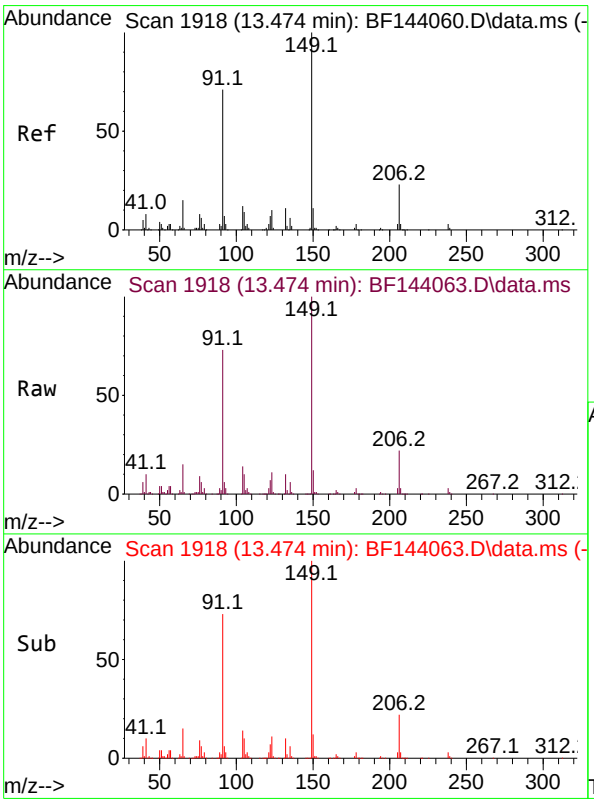
#79
Terphenyl-d14
Concen: 142.390 ng
RT: 13.004 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

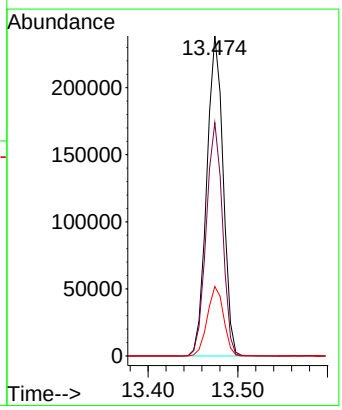


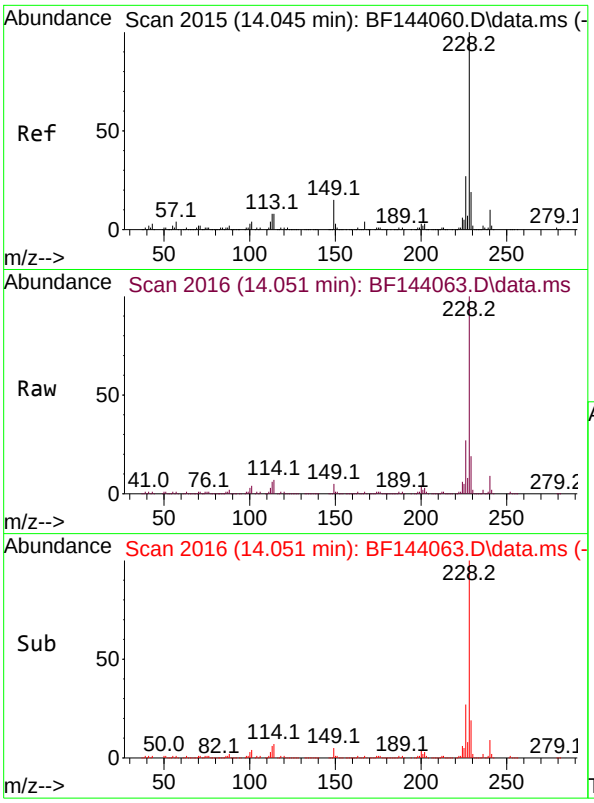


#80
Butylbenzylphthalate
Concen: 73.645 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



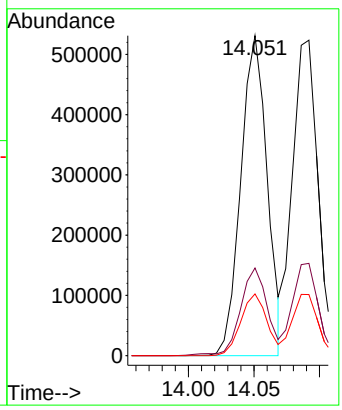


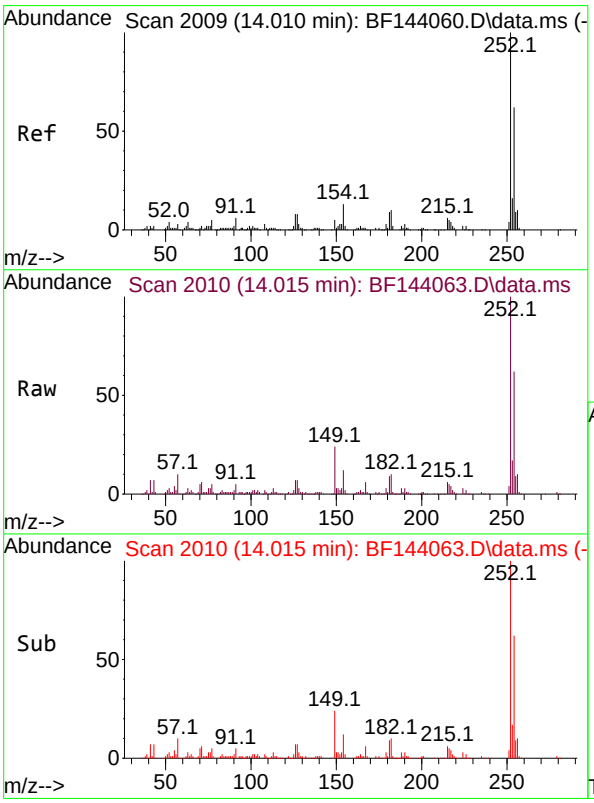
#81
Benzo(a)anthracene
Concen: 72.564 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

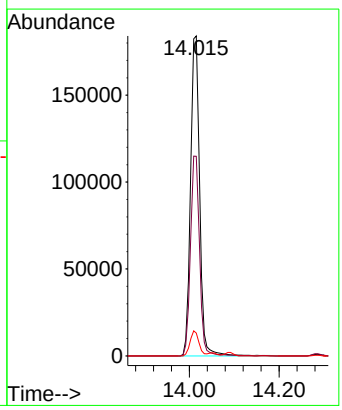


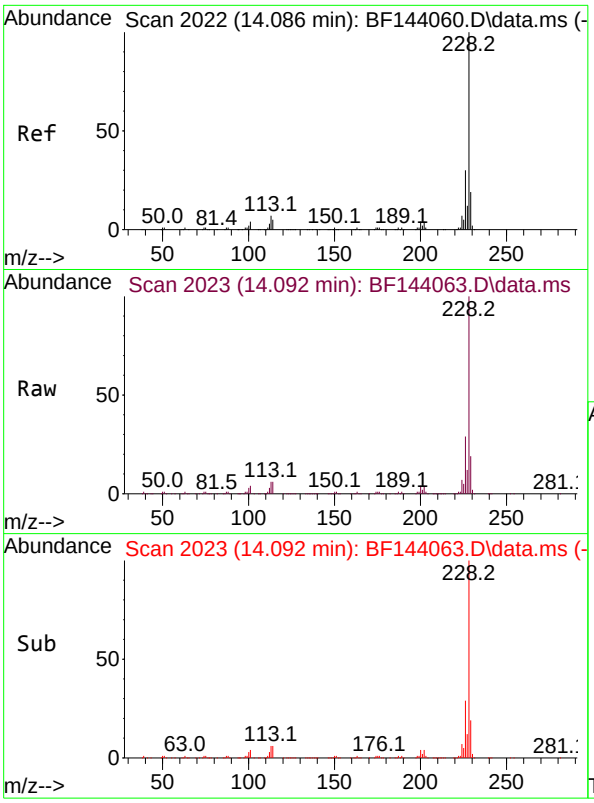


#82
3,3'-Dichlorobenzidine
Concen: 72.536 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



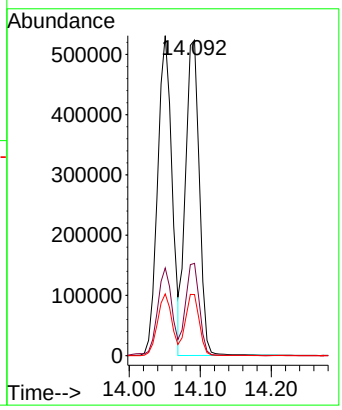


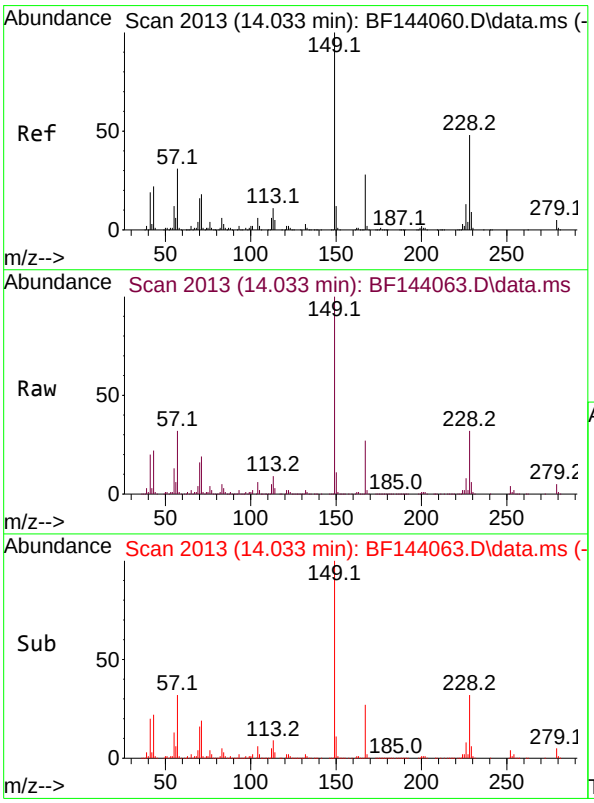
#83
Chrysene
Concen: 73.777 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

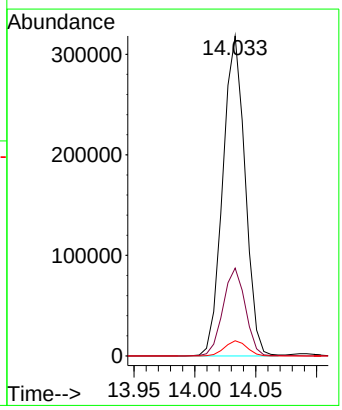


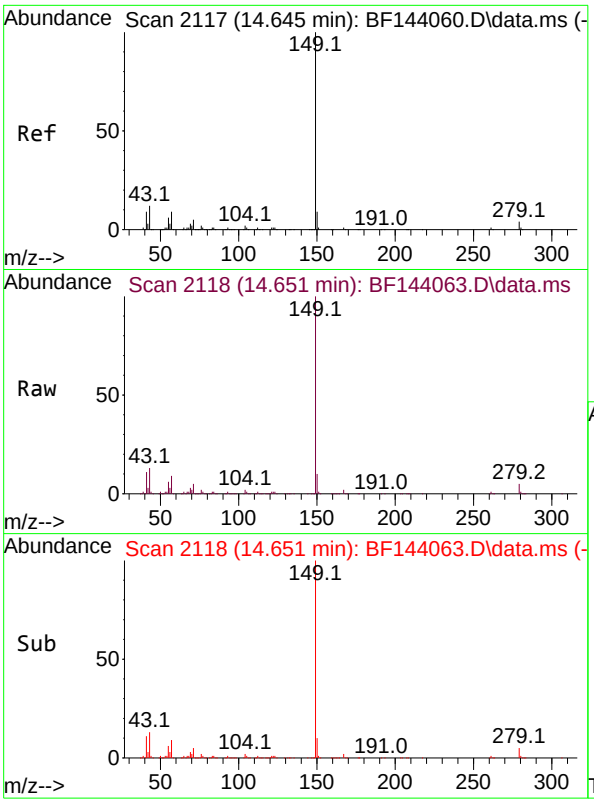


#84
Bis(2-ethylhexyl)phthalate
Concen: 72.226 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



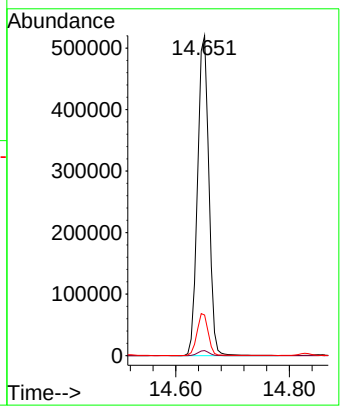


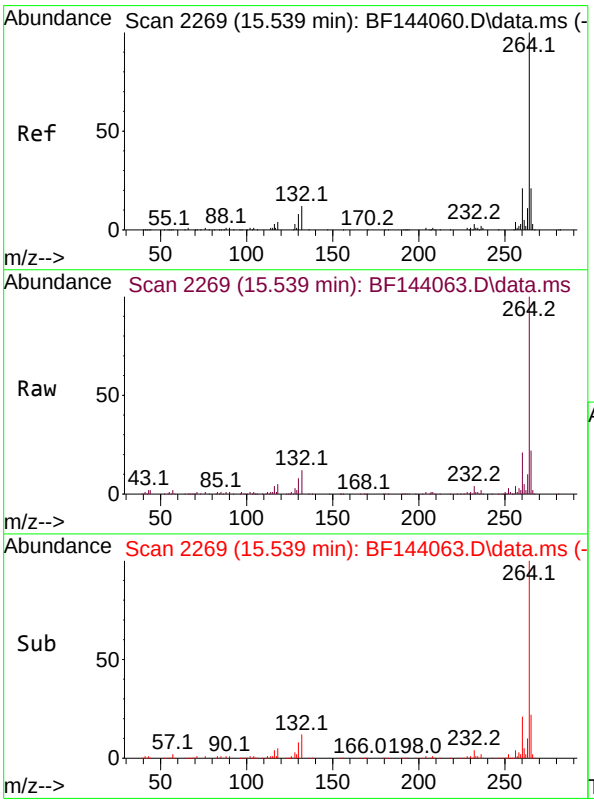
#85
Di-n-octyl phthalate
Concen: 73.894 ng
RT: 14.651 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

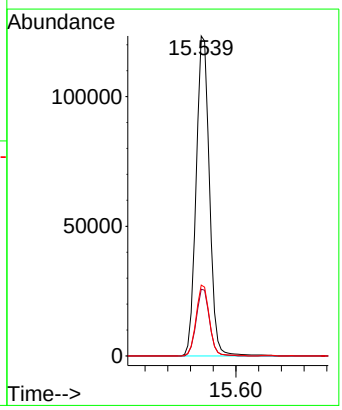


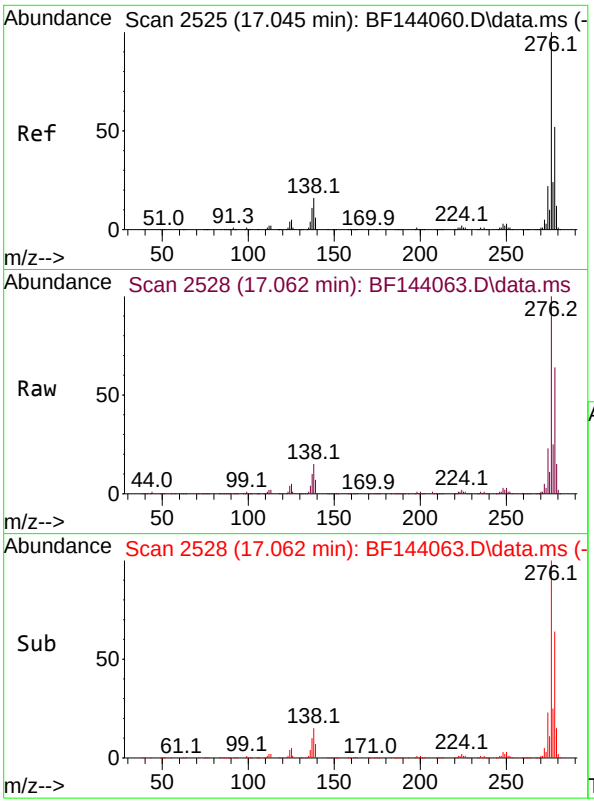


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



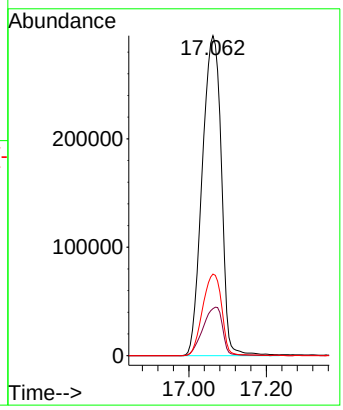


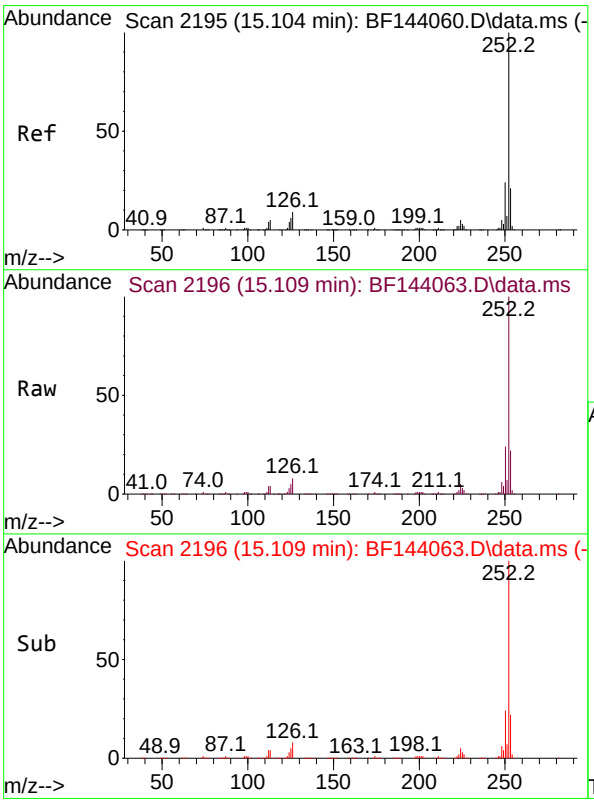
#87
Indeno(1,2,3-cd)pyrene
Concen: 73.561 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

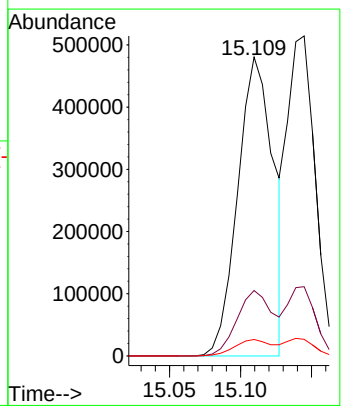


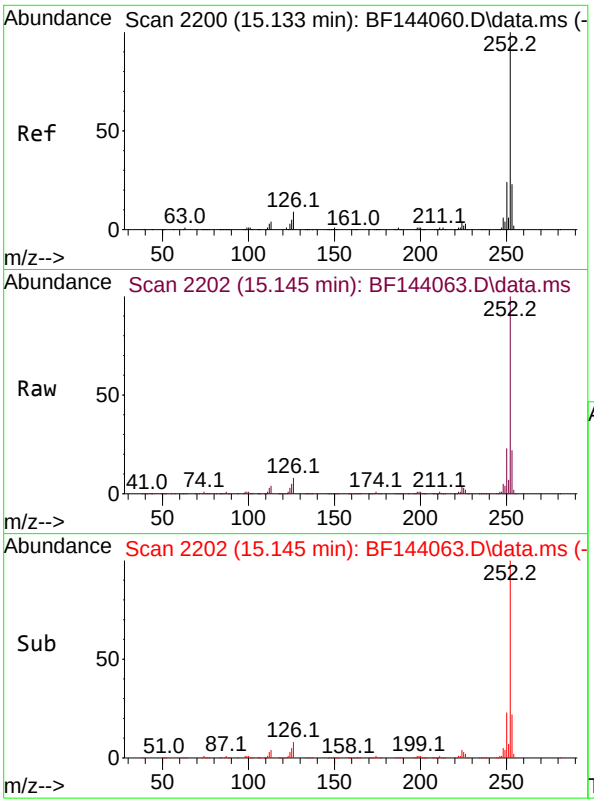


#88
Benzo(b)fluoranthene
Concen: 74.302 ng
RT: 15.109 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



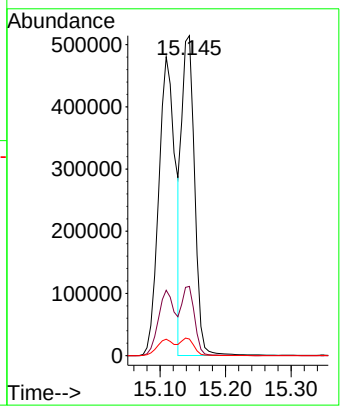


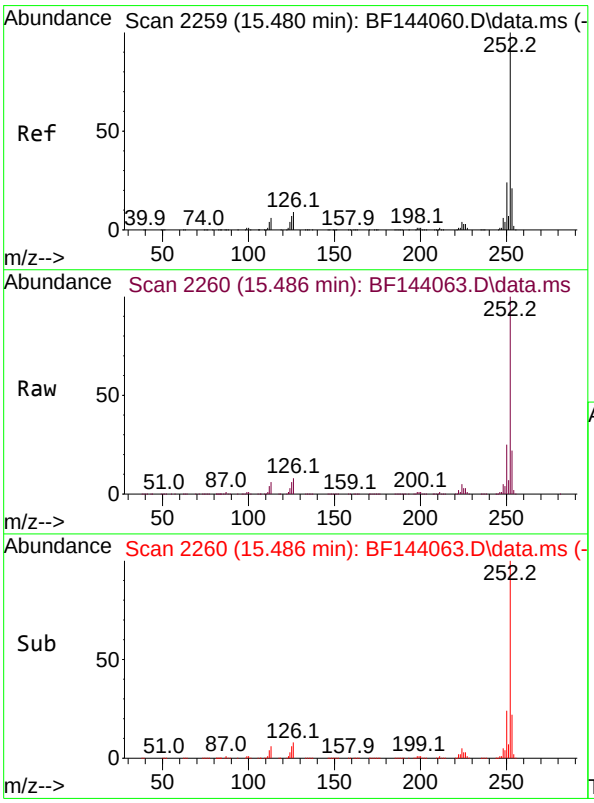
#89
Benzo(k)fluoranthene
Concen: 67.953 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

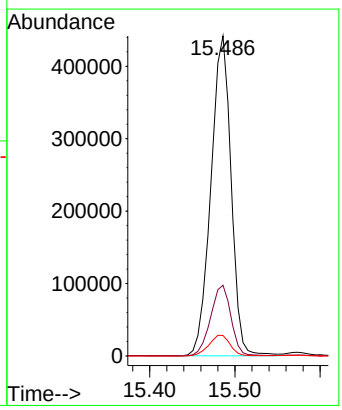


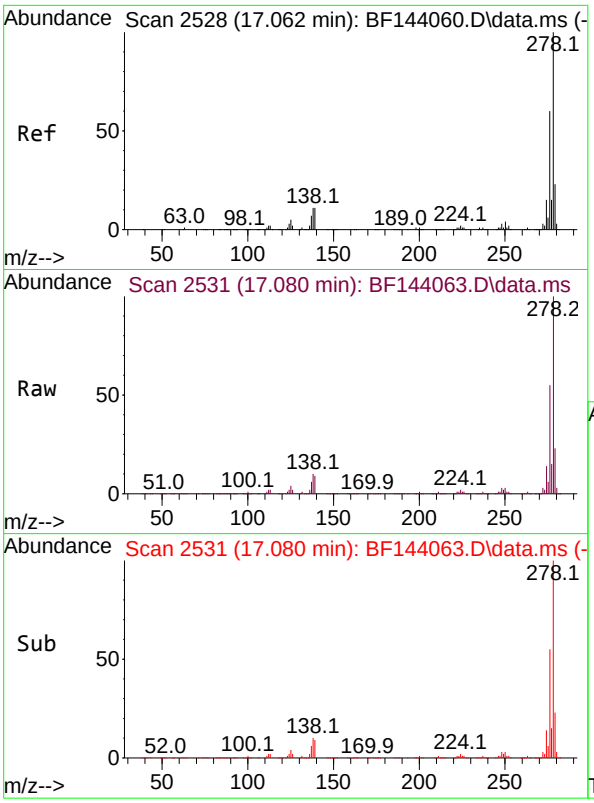


#90
Benzo(a)pyrene
Concen: 71.704 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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



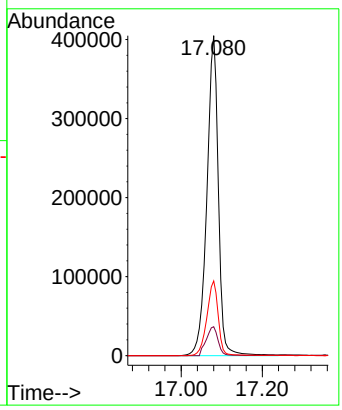


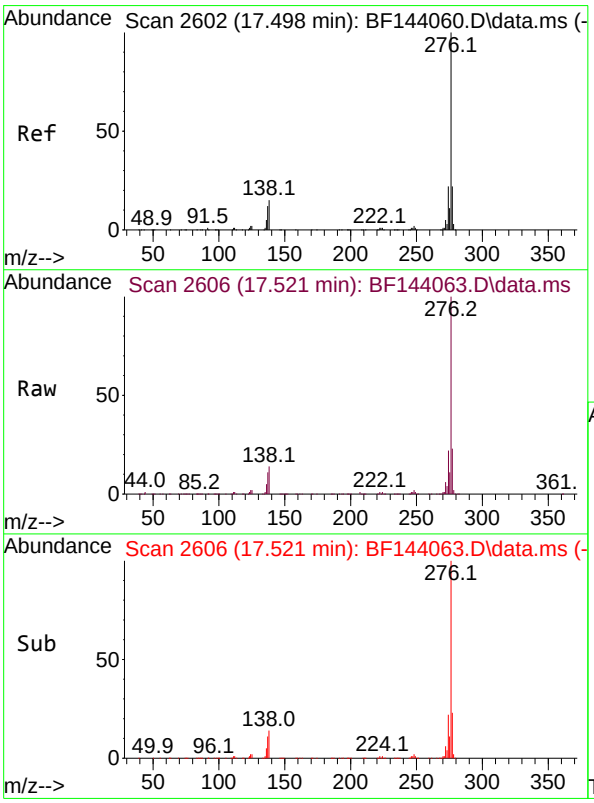
#91
Dibenzo(a,h)anthracene
Concen: 73.369 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

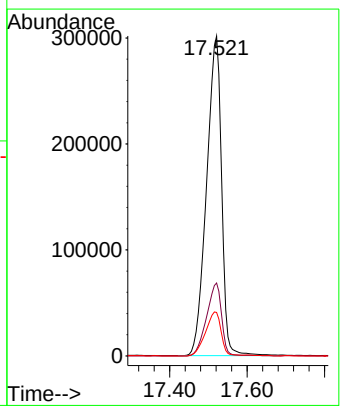




#92
Benzo(g,h,i)perylene
Concen: 74.269 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.024 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

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

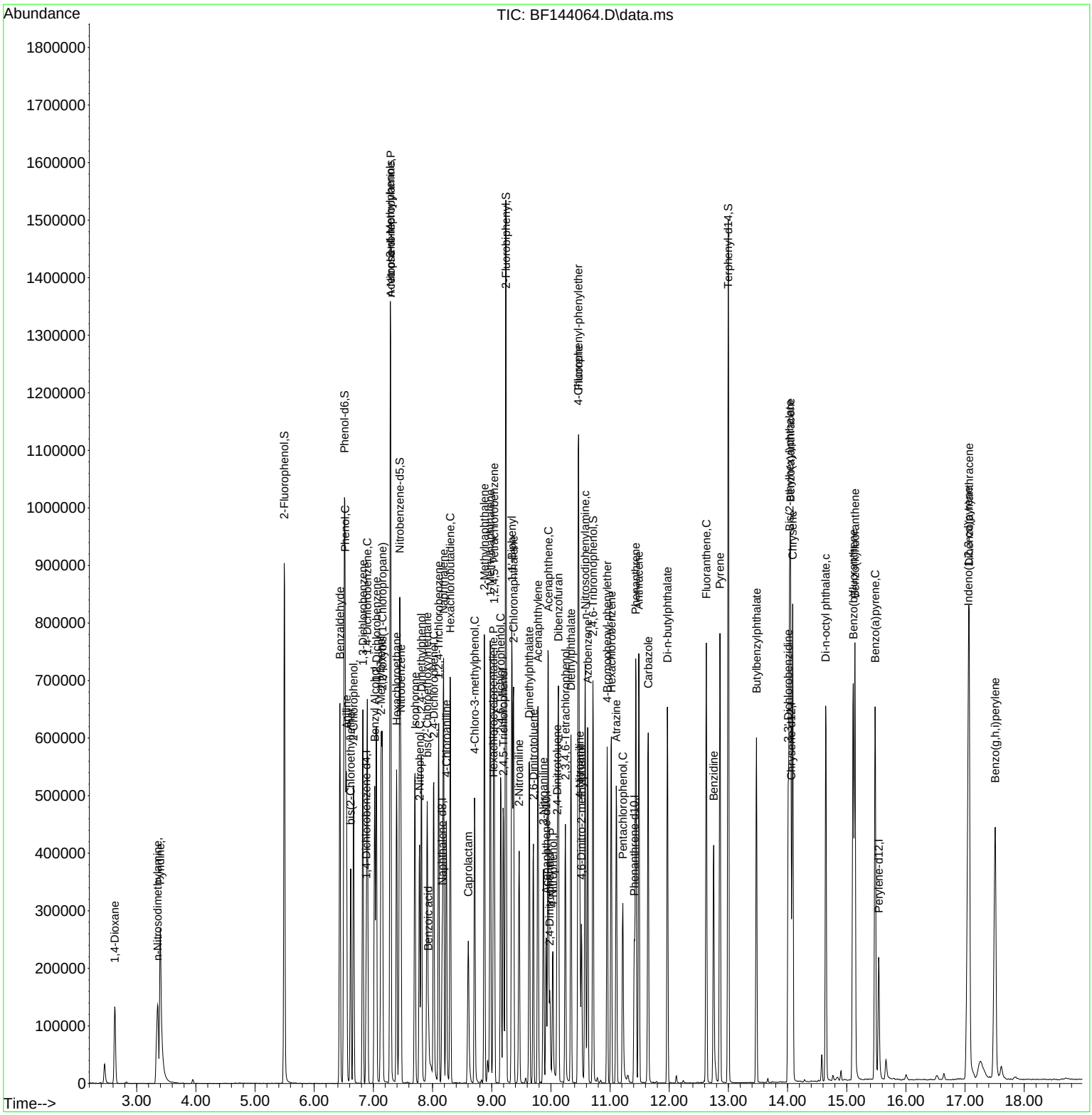
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	117536	65.377	ng		96
46) 1,1'-Biphenyl	9.339	154	338254	61.621	ng		100
47) 2-Chloronaphthalene	9.369	162	287490	62.514	ng		99
48) 2-Nitroaniline	9.463	65	91867	67.272	ng		97
49) Acenaphthylene	9.780	152	383800	61.895	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

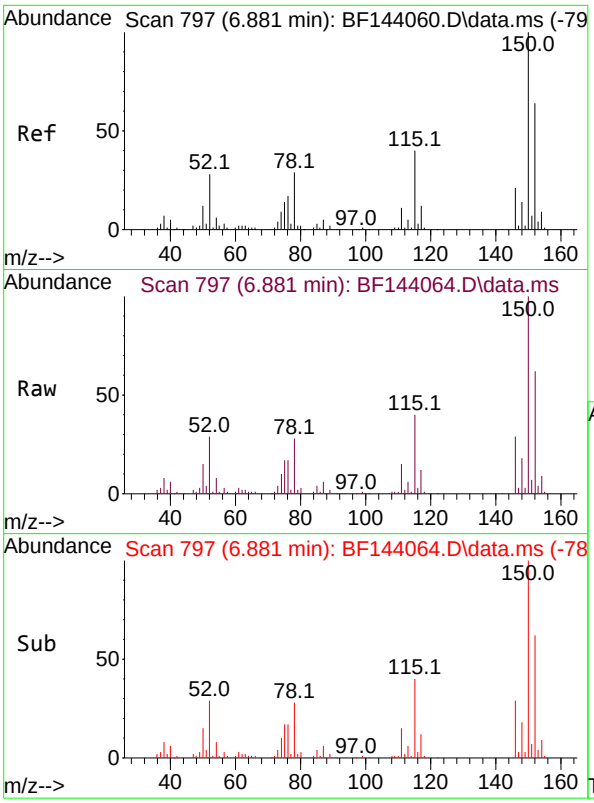
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



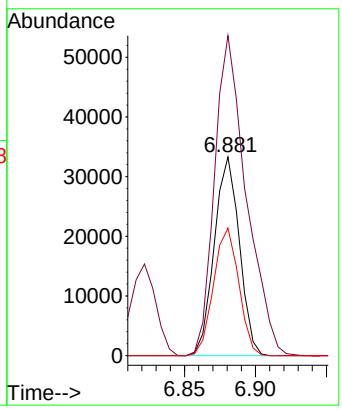


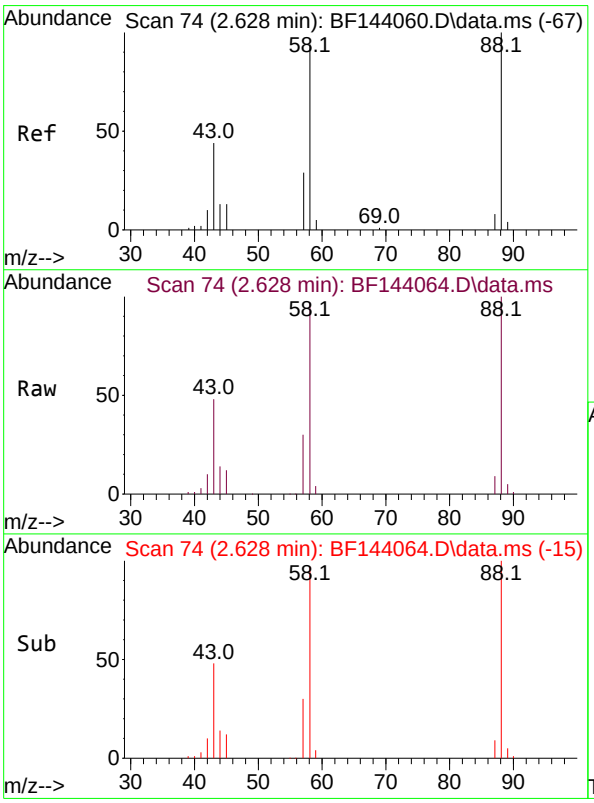
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

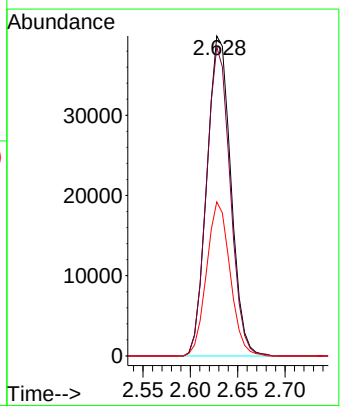


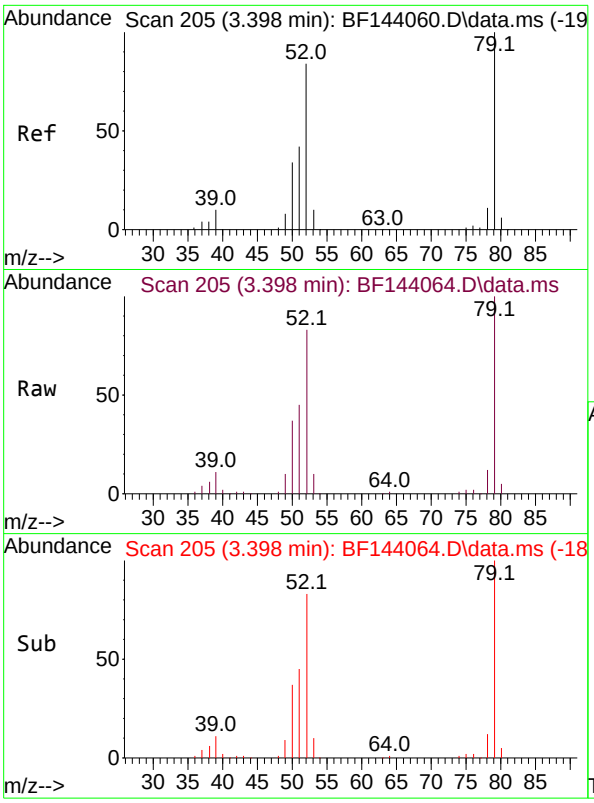


#2
1,4-Dioxane
Concen: 62.807 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



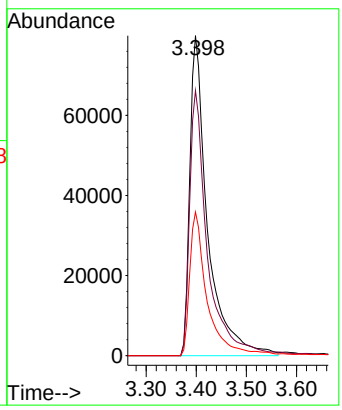


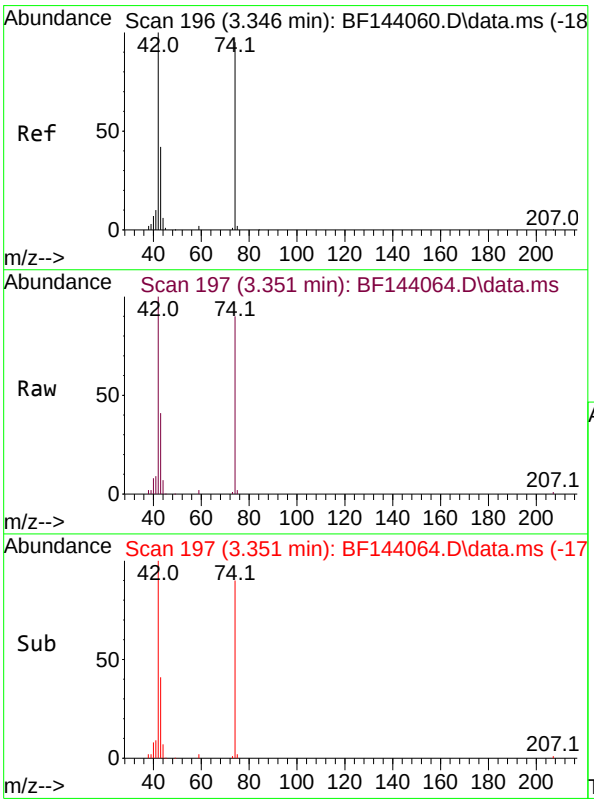
#3
Pyridine
Concen: 65.807 ng
RT: 3.398 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

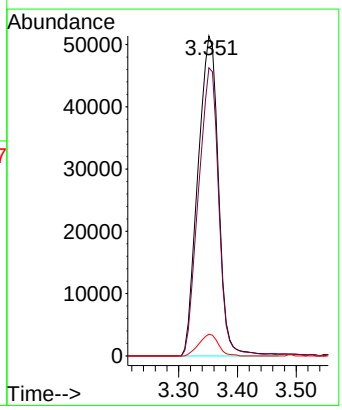


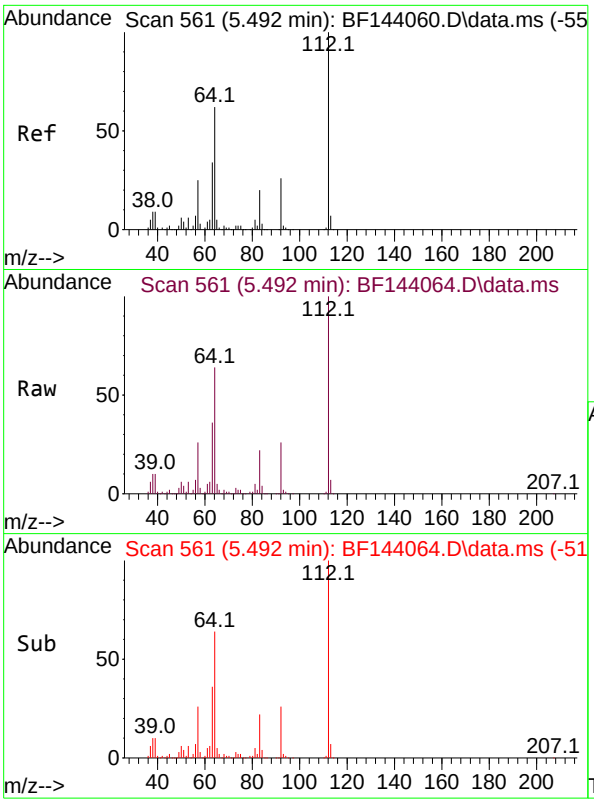


#4
n-Nitrosodimethylamine
Concen: 67.890 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



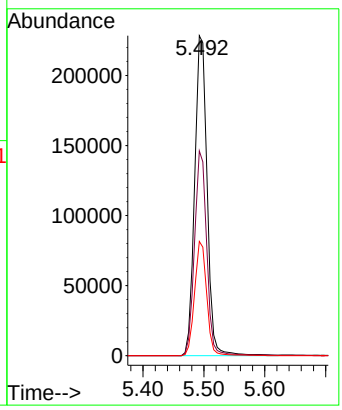


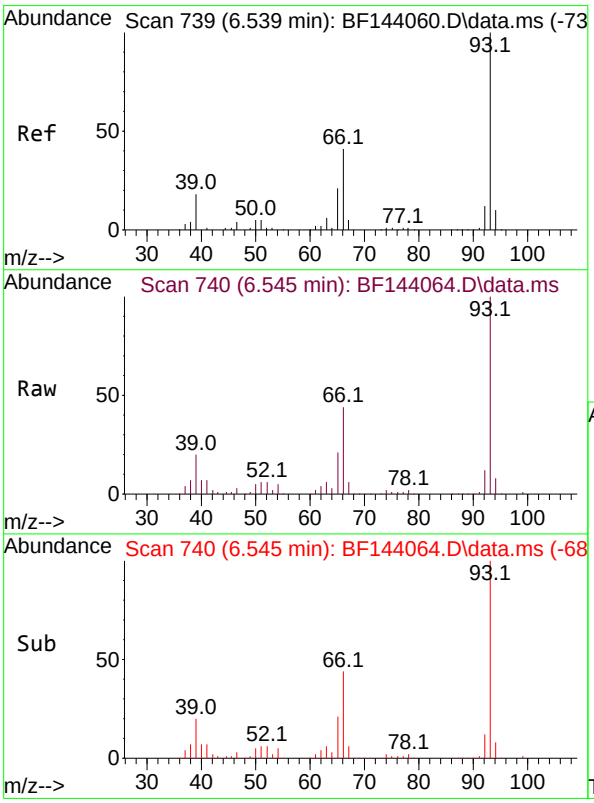
#5
2-Fluorophenol
Concen: 125.526 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

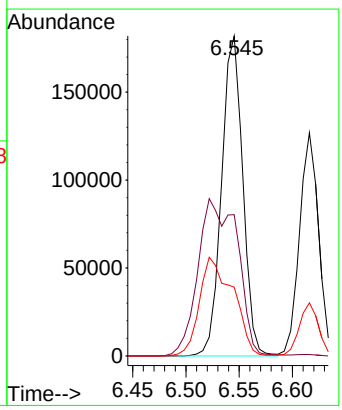


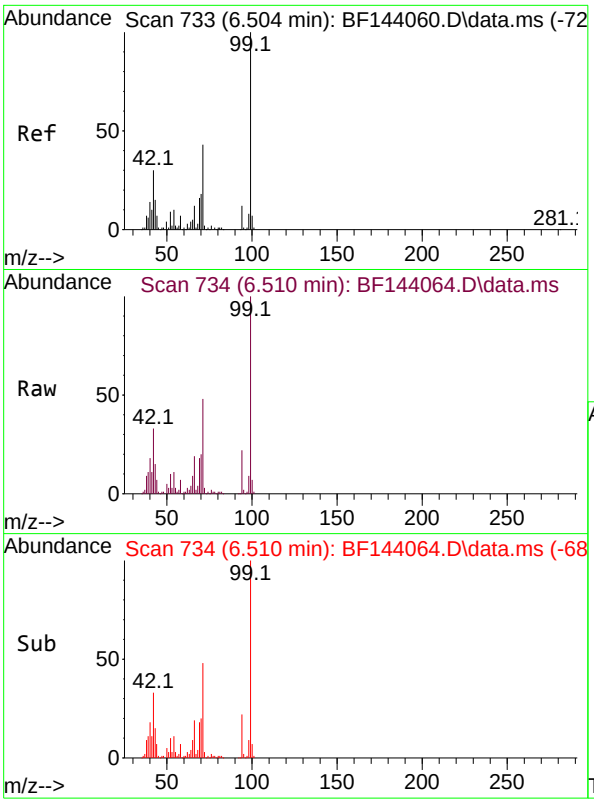


#6
Aniline
Concen: 61.571 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



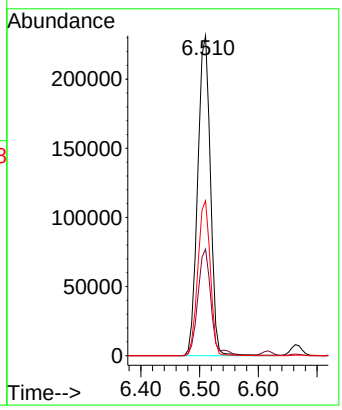


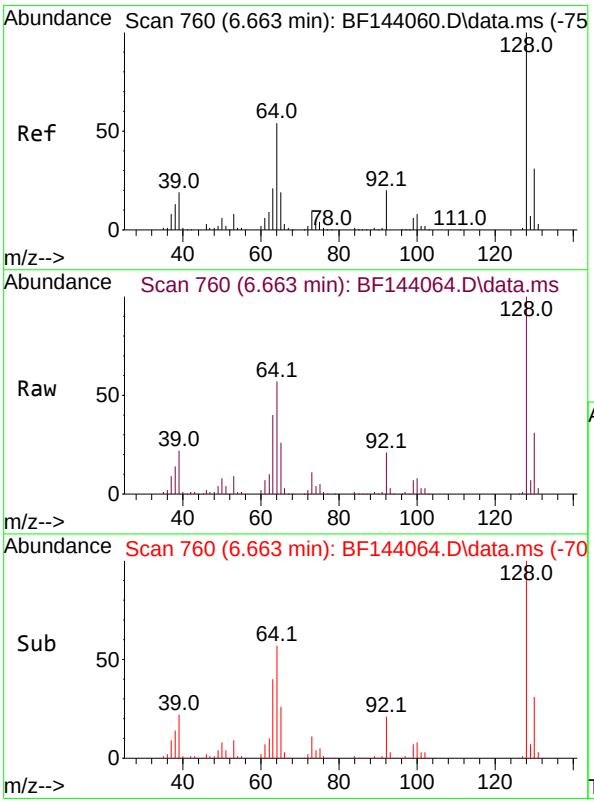
#7
Phenol-d6
Concen: 121.325 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

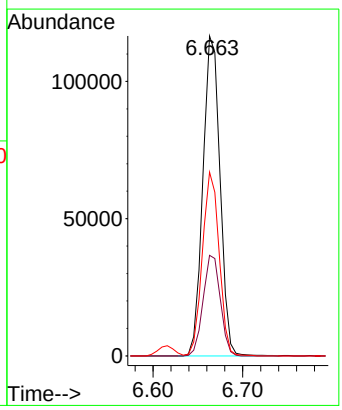


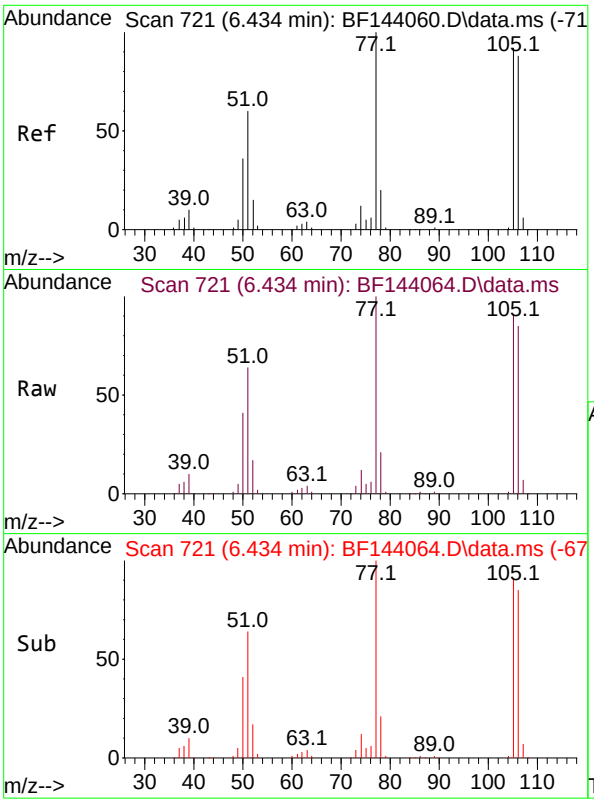


#8
2-Chlorophenol
Concen: 60.645 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



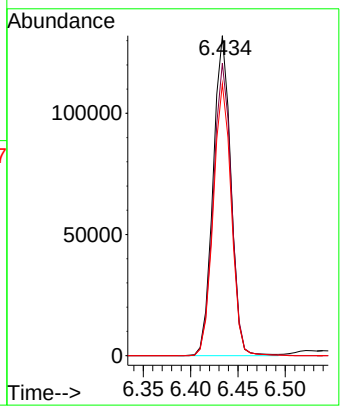


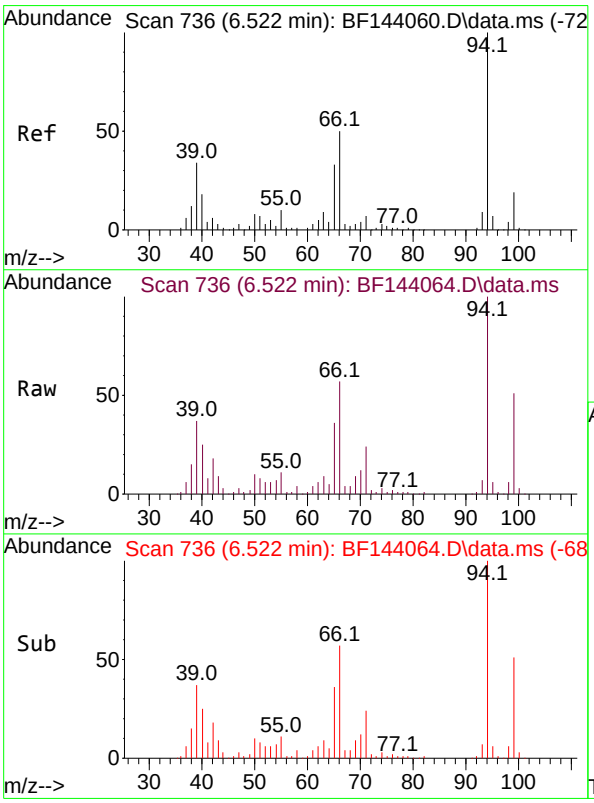
#9
Benzaldehyde
Concen: 77.814 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

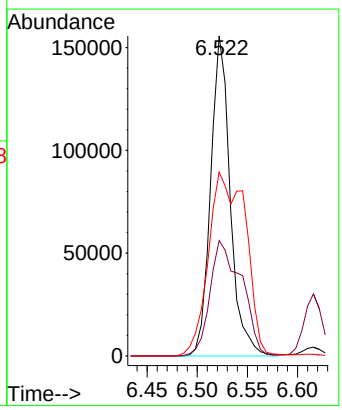


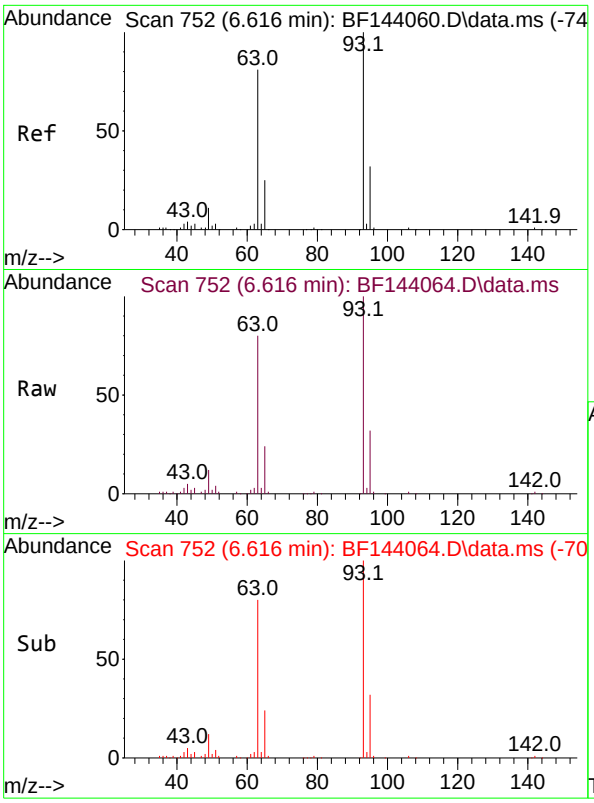


#10
Phenol
Concen: 60.092 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



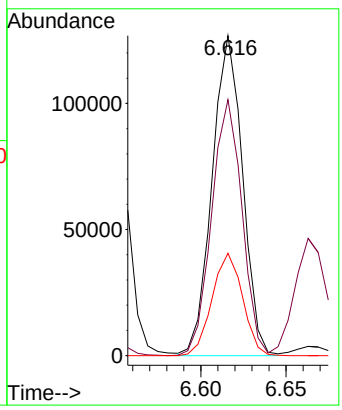


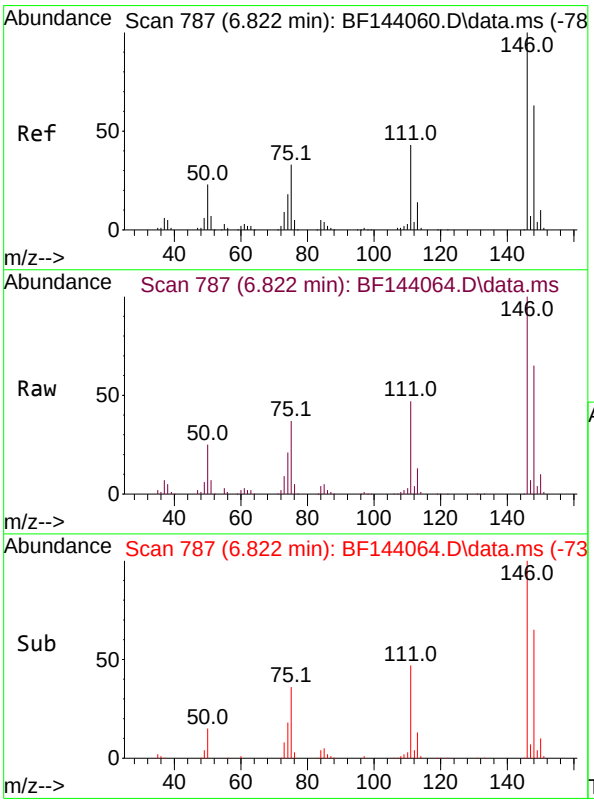
#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

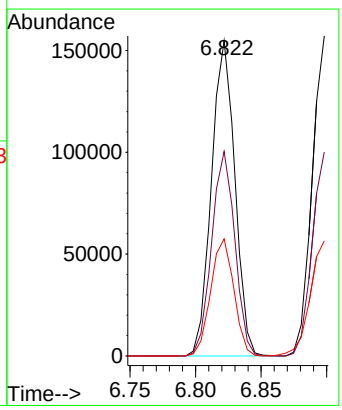


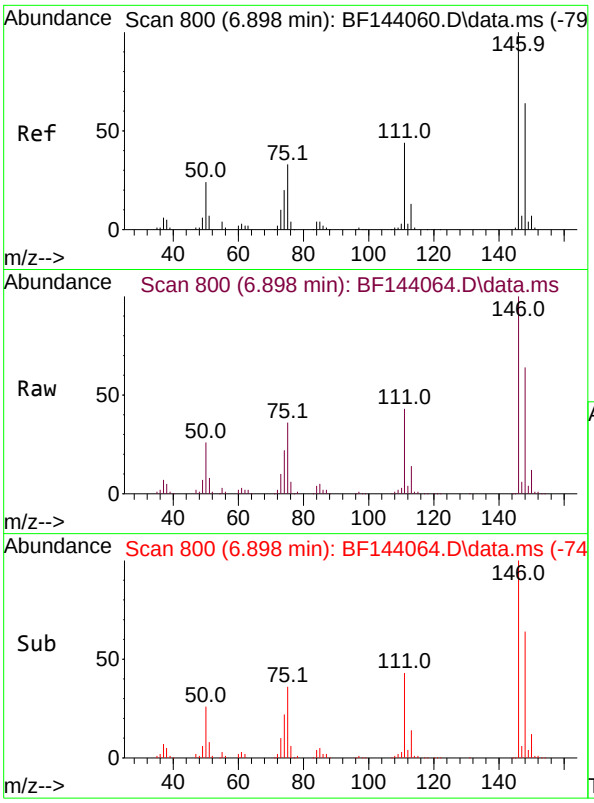


#12
1,3-Dichlorobenzene
Concen: 61.183 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



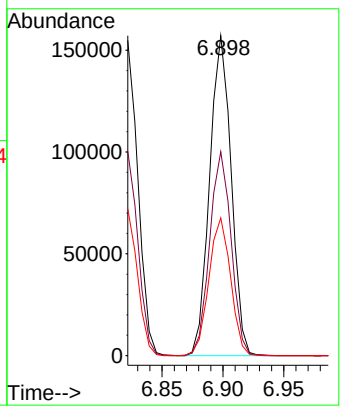


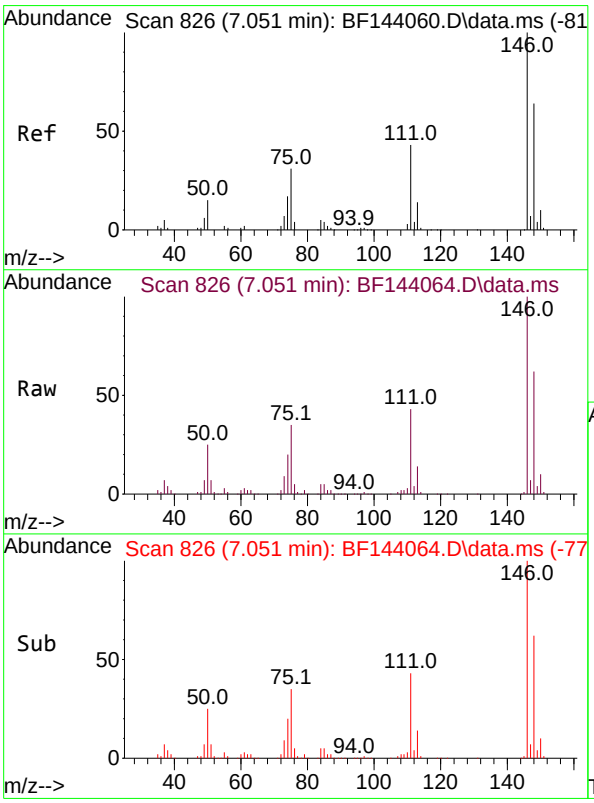
#13
1,4-Dichlorobenzene
Concen: 62.421 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

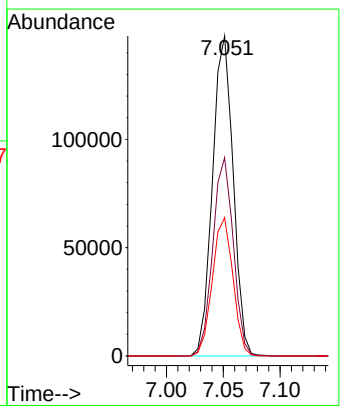


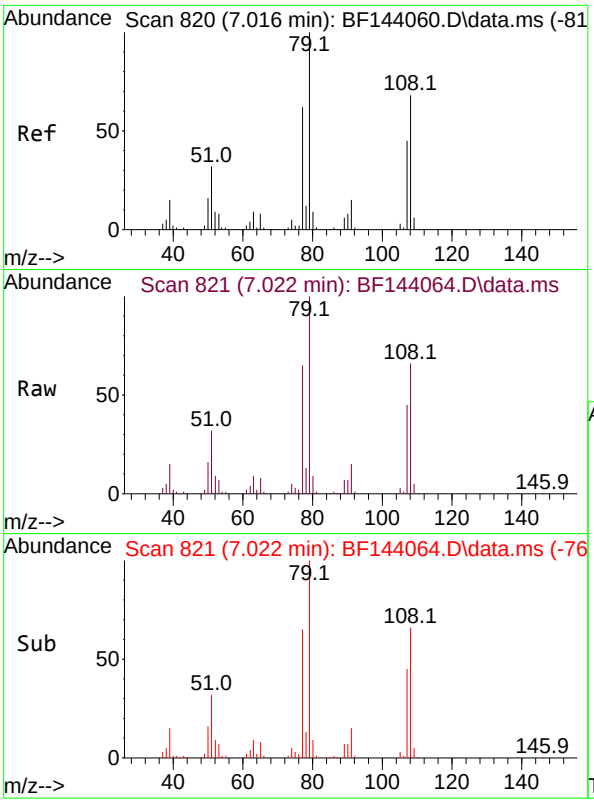


#14
1,2-Dichlorobenzene
Concen: 62.289 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



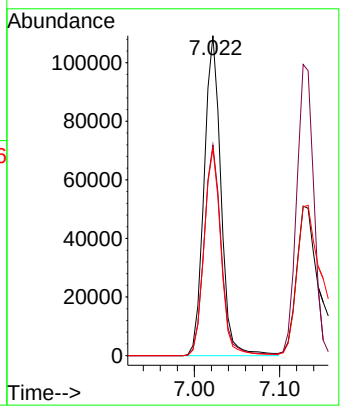


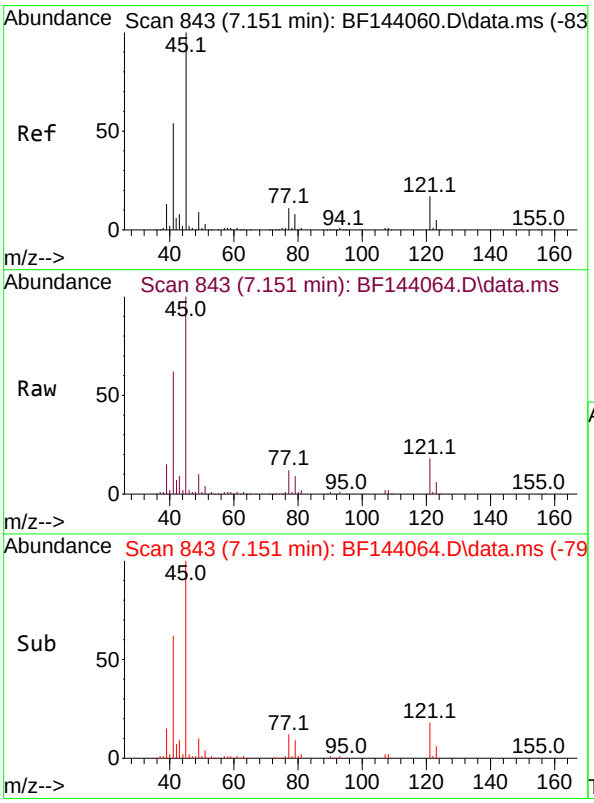
#15
Benzyl Alcohol
Concen: 64.606 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

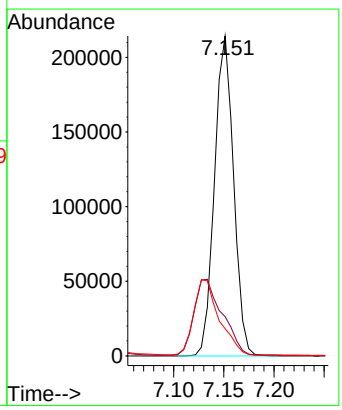


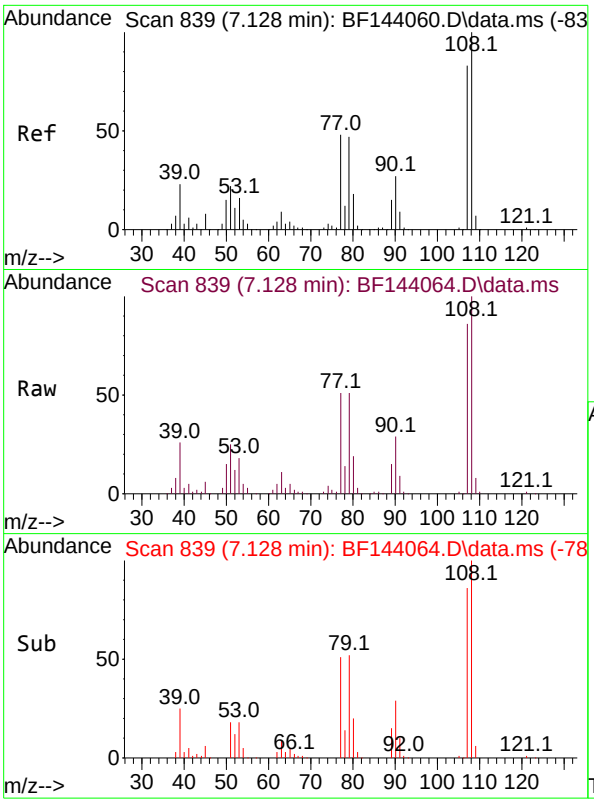


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.335 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



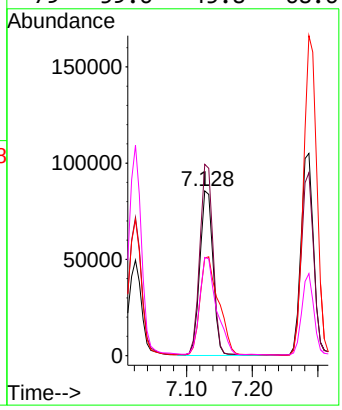


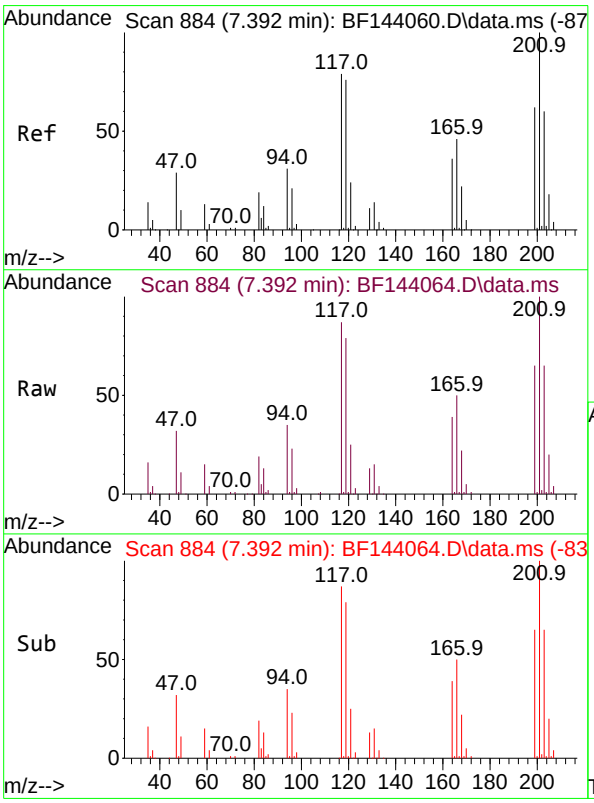
#17
2-Methylphenol
Concen: 61.494 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

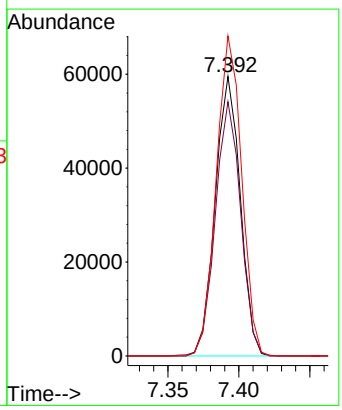


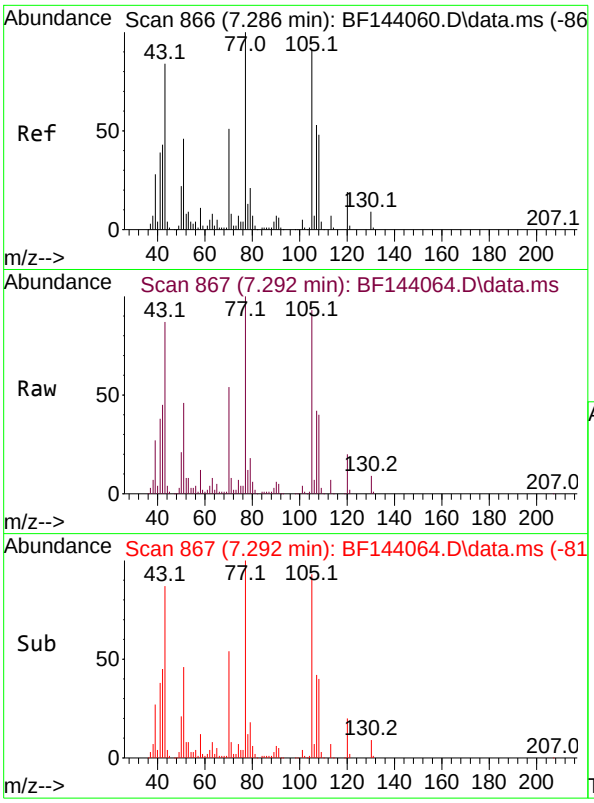


#18
Hexachloroethane
Concen: 65.943 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



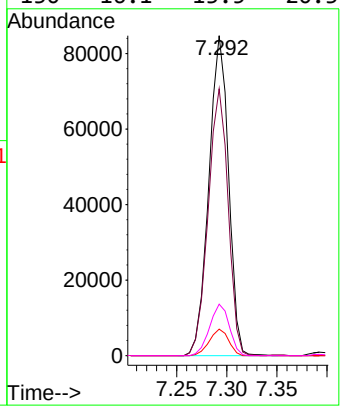


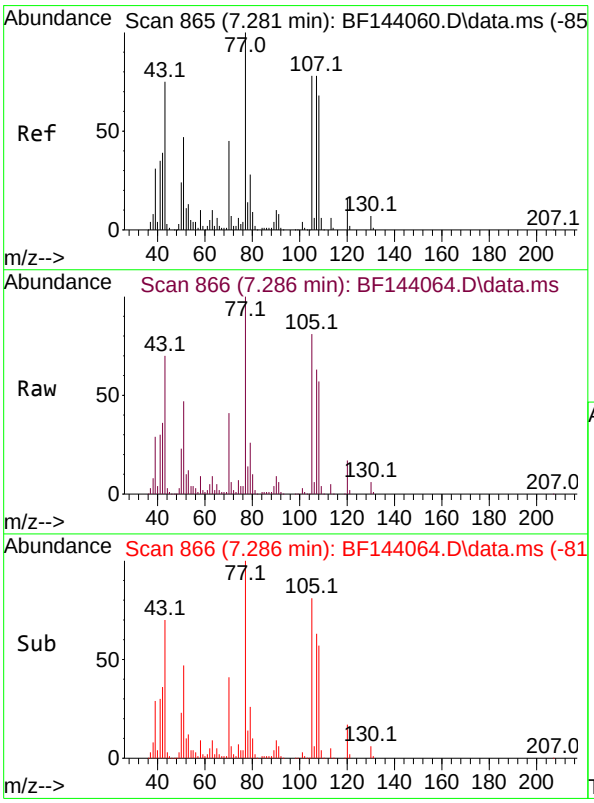
#19
n-Nitroso-di-n-propylamine
Concen: 62.701 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

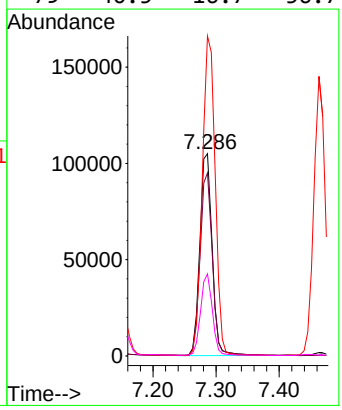


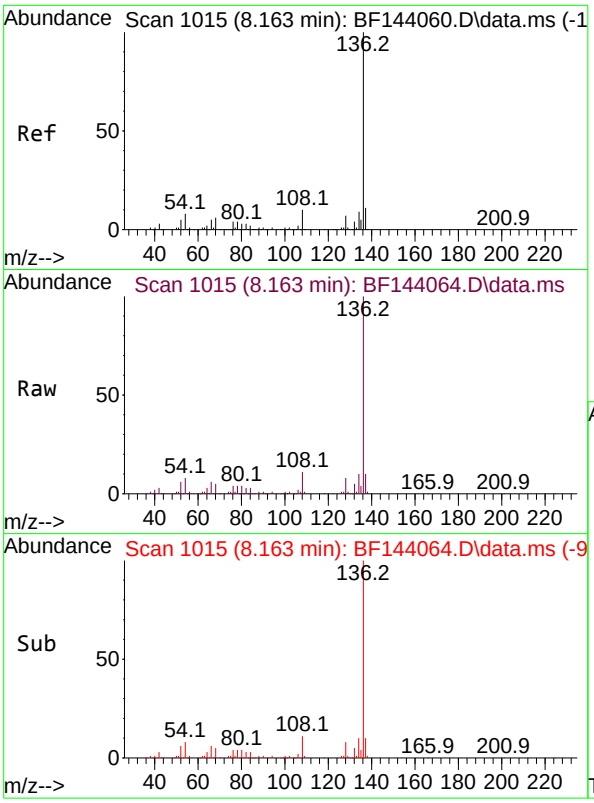


#20
3+4-Methylphenols
Concen: 61.433 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



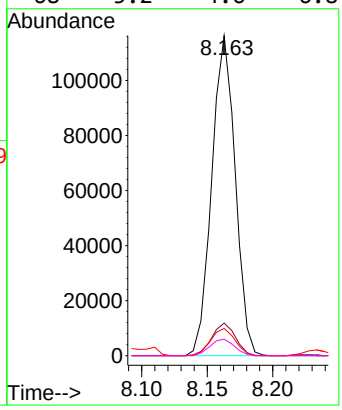


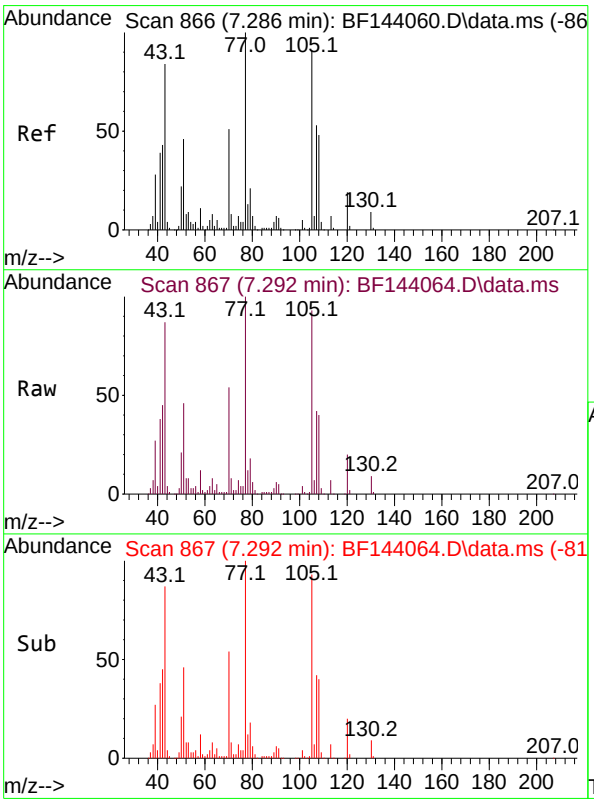
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 144864

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	13.0
54	8.5	6.6	9.8
68	5.2	4.6	6.8

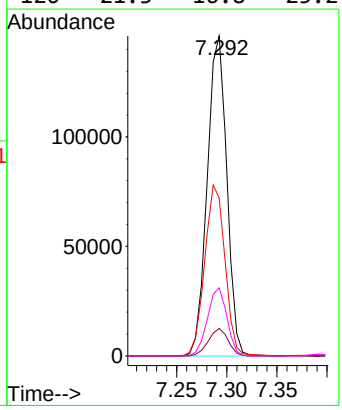


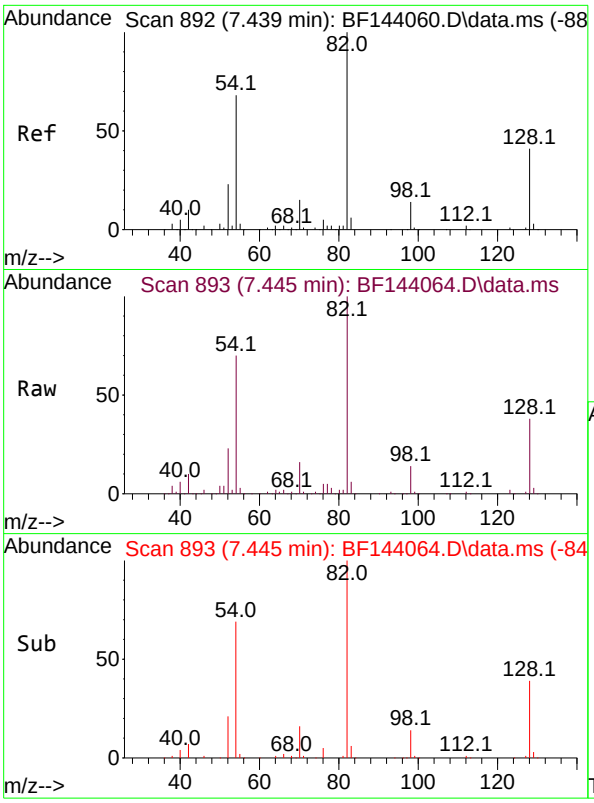


#22
Acetophenone
Concen: 63.255 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:105 Resp: 198031

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.9	10.3
51	49.4	40.6	60.8
120	21.3	16.8	25.2



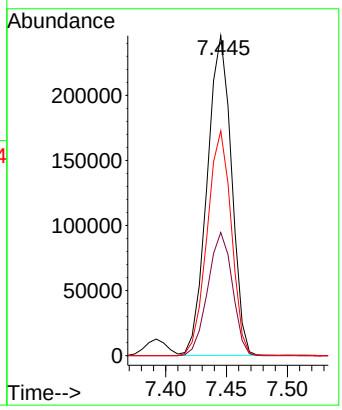


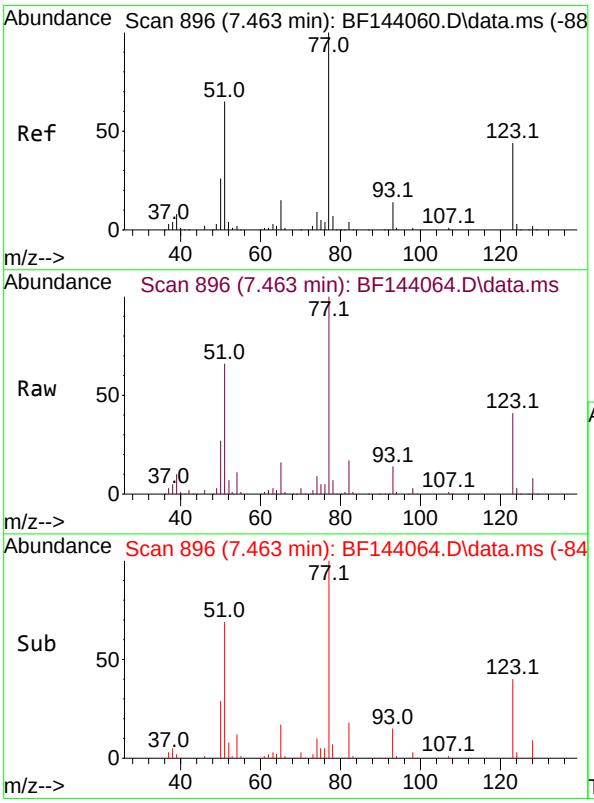
#23
Nitrobenzene-d5
Concen: 129.319 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

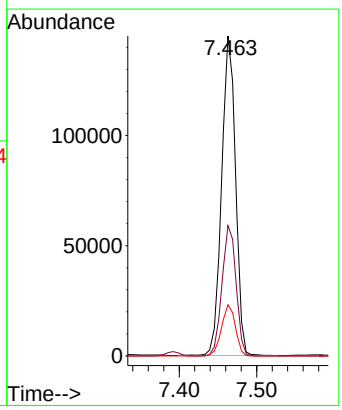


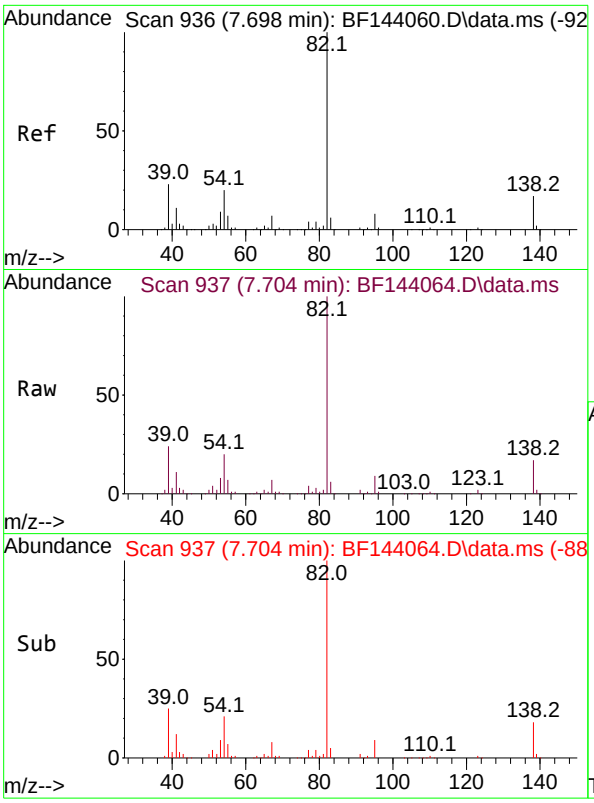


#24
Nitrobenzene
Concen: 64.837 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



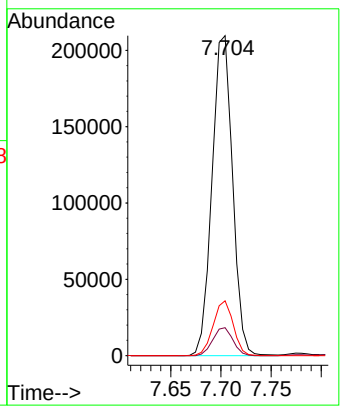


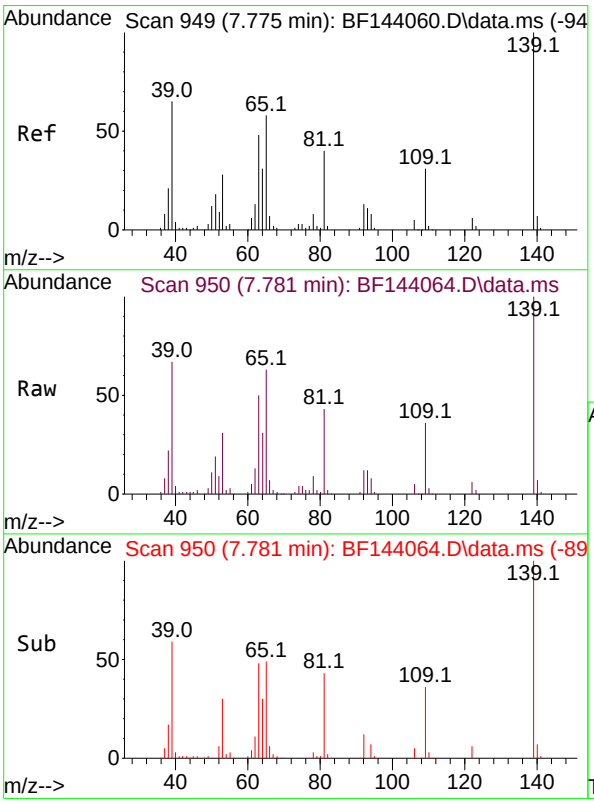
#25
Isophorone
Concen: 64.523 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

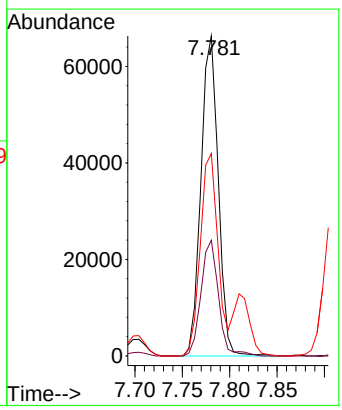


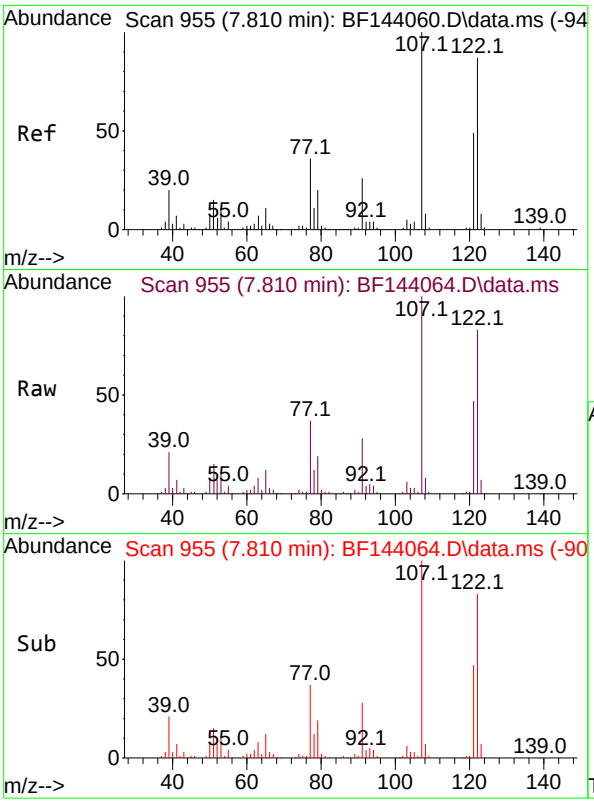


#26
2-Nitrophenol
Concen: 63.417 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



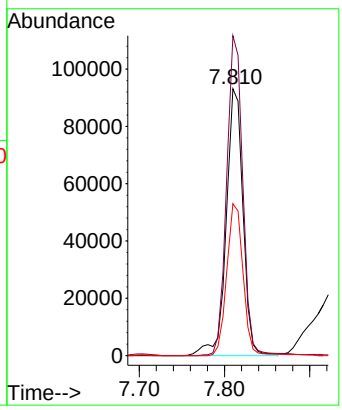


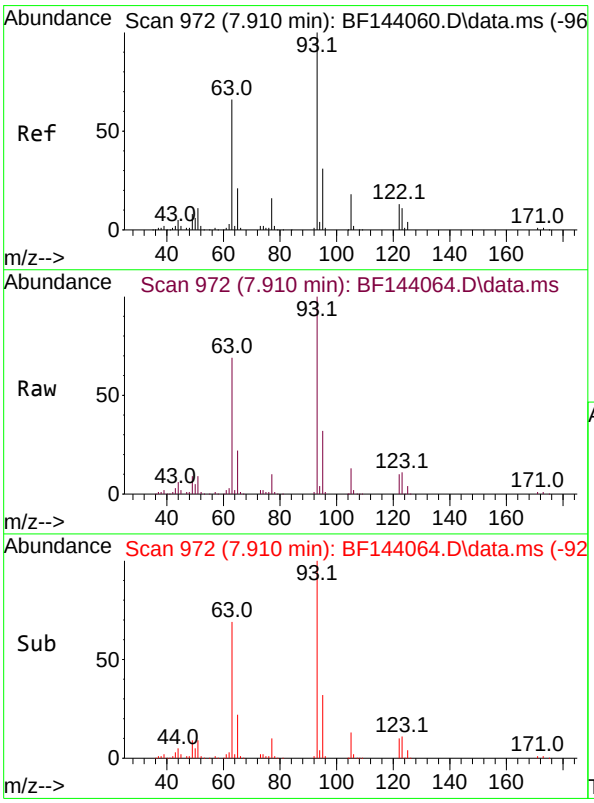
#27
2,4-Dimethylphenol
Concen: 64.435 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

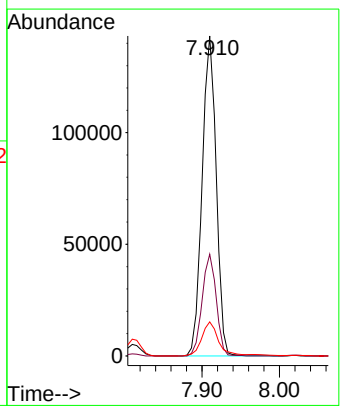


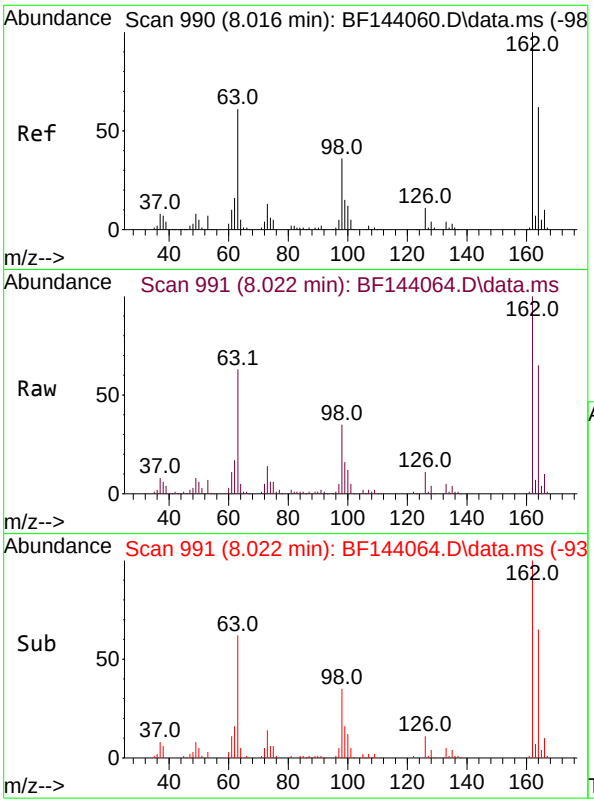


#28
bis(2-Chloroethoxy)methane
Concen: 62.737 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



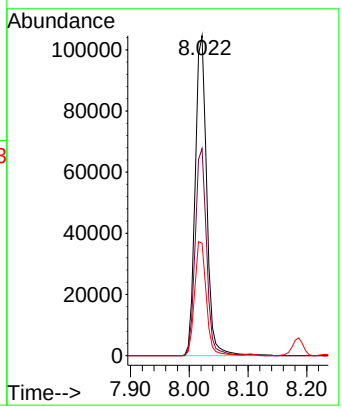


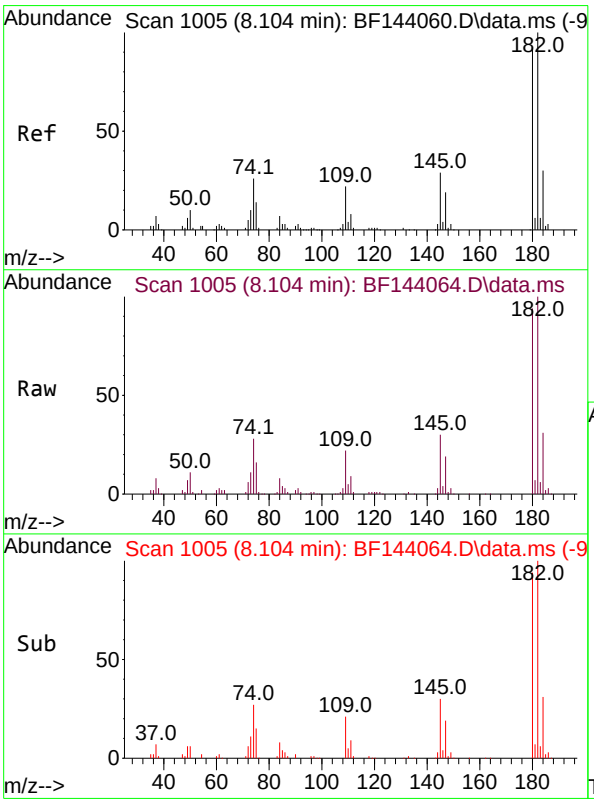
#29
2,4-Dichlorophenol
Concen: 61.979 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

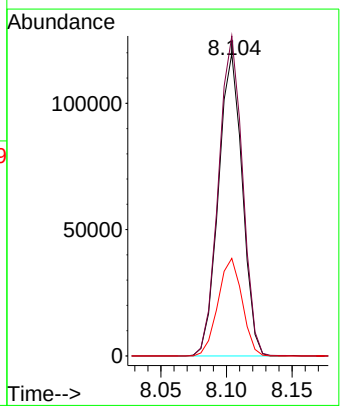


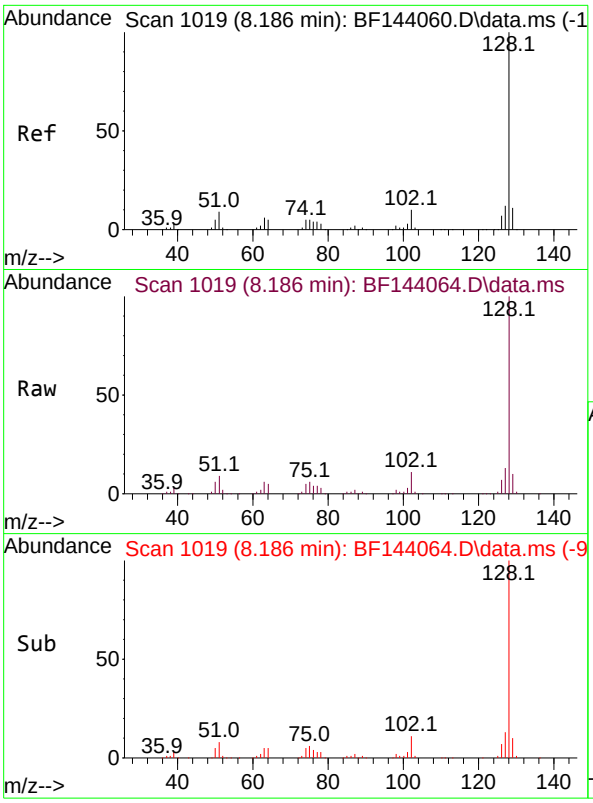


#30
1,2,4-Trichlorobenzene
Concen: 63.994 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



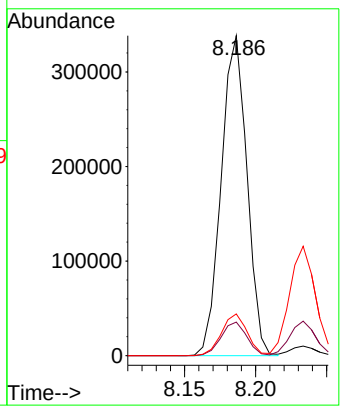


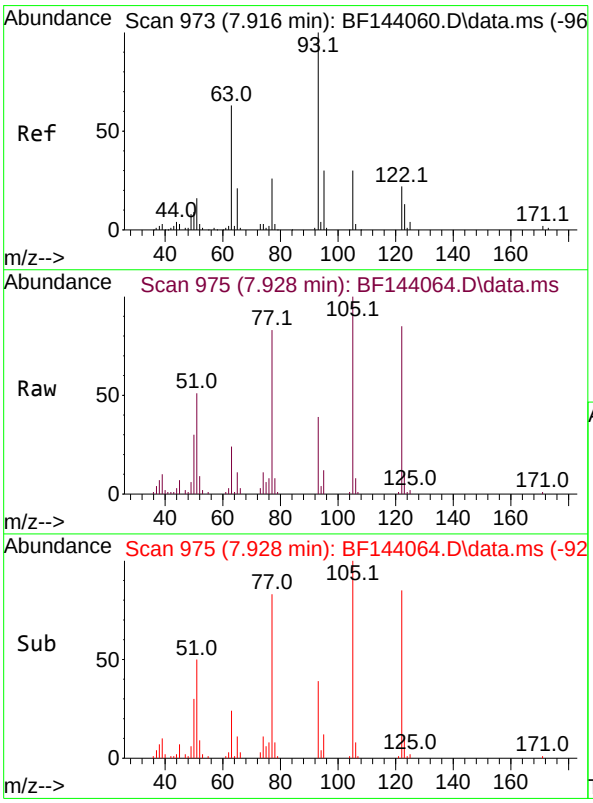
#31
Naphthalene
Concen: 62.477 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

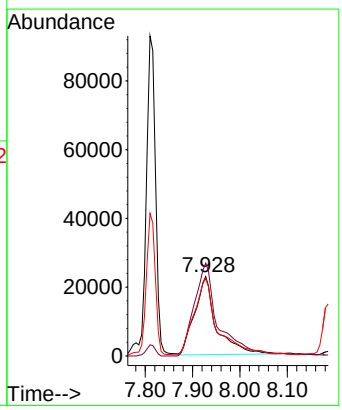


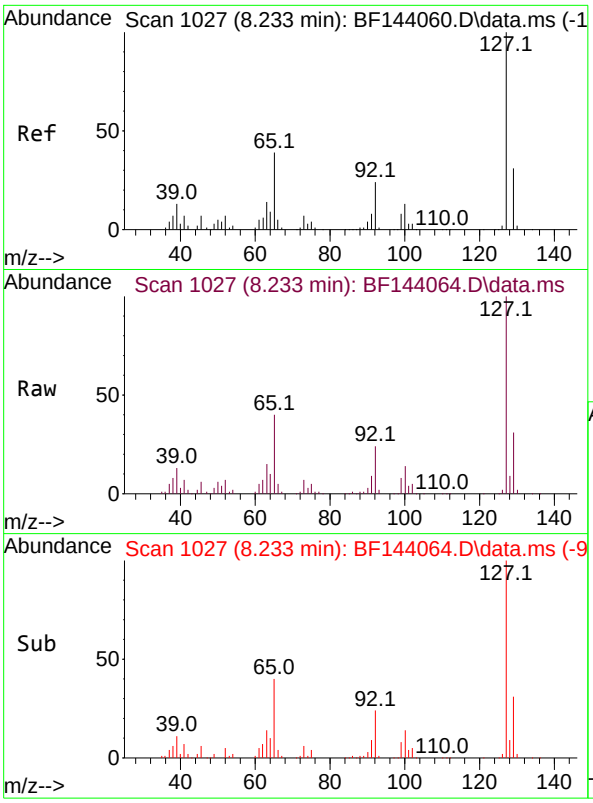


#32
Benzoic acid
Concen: 58.314 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



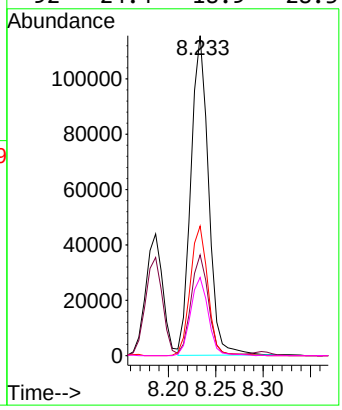


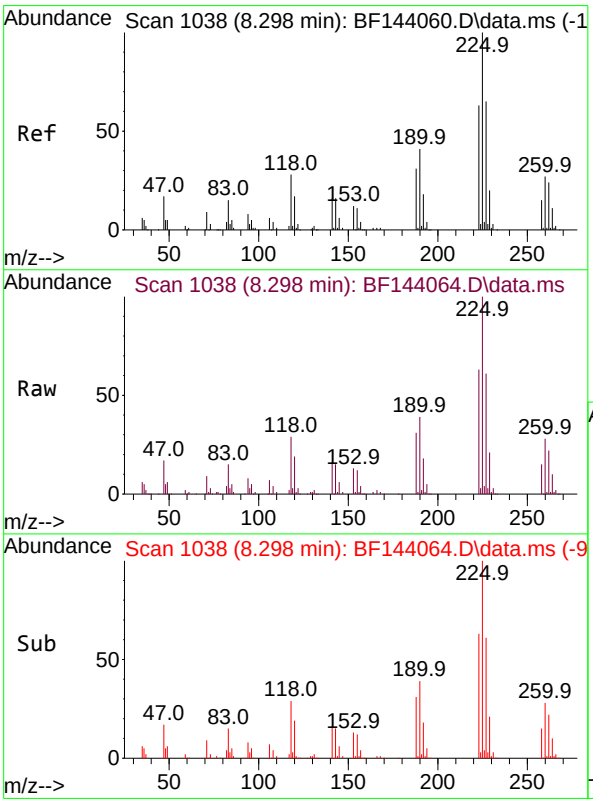
#33
4-Chloroaniline
Concen: 62.767 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

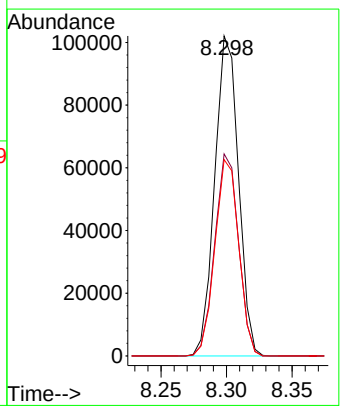


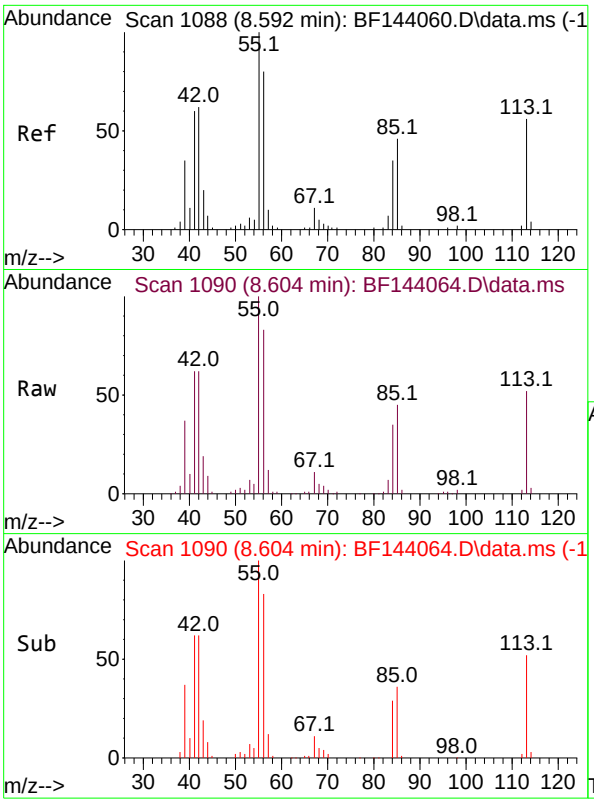


#34
Hexachlorobutadiene
Concen: 66.488 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



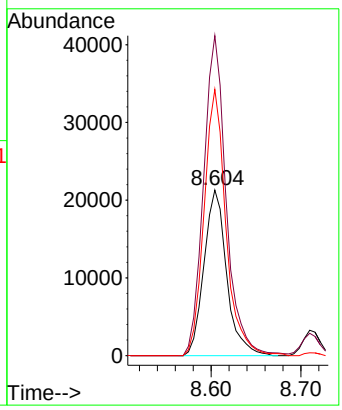


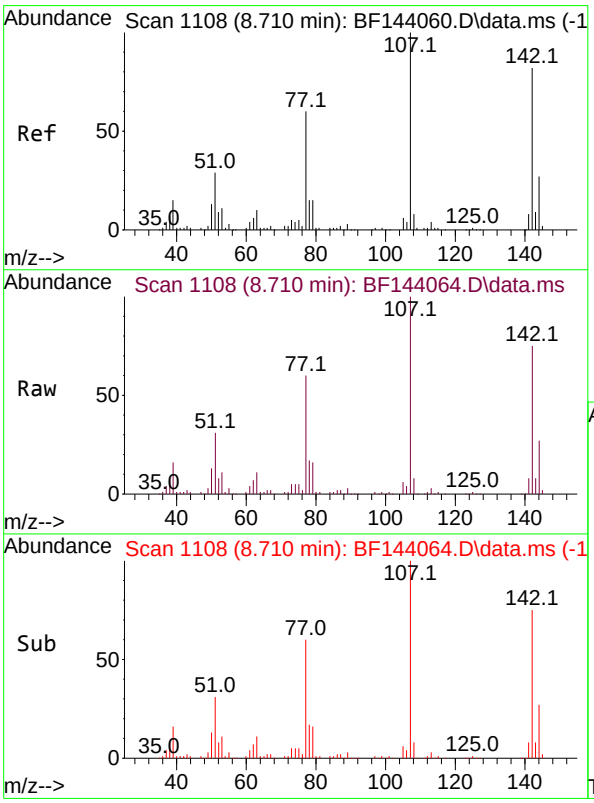
#35
Caprolactam
Concen: 64.879 ng
RT: 8.604 min Scan# 10
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

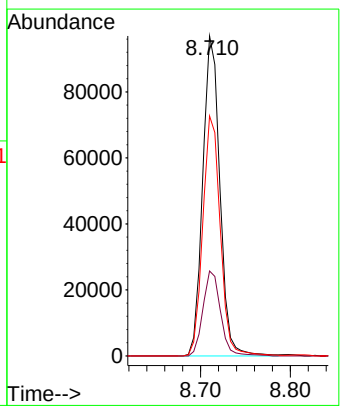


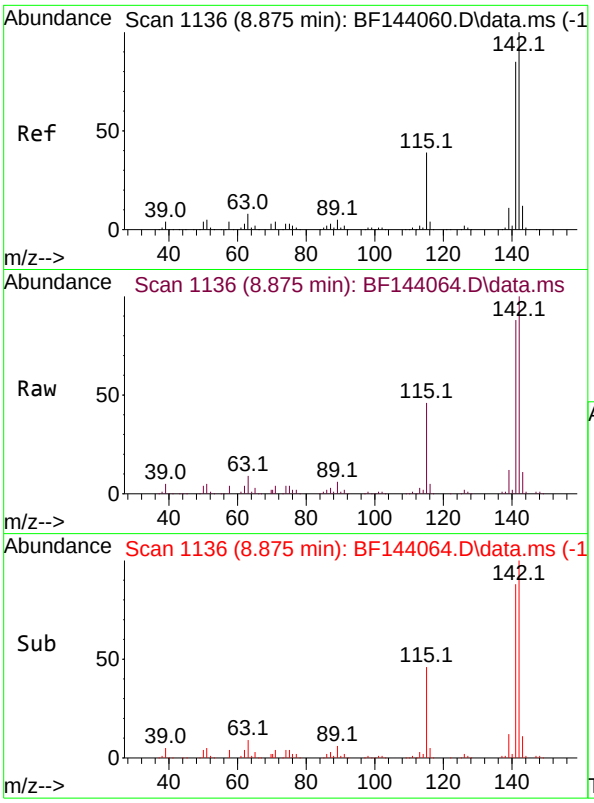


#36
4-Chloro-3-methylphenol
Concen: 63.473 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



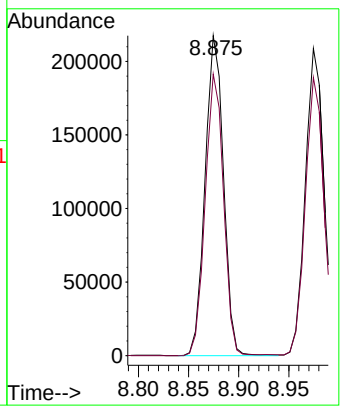


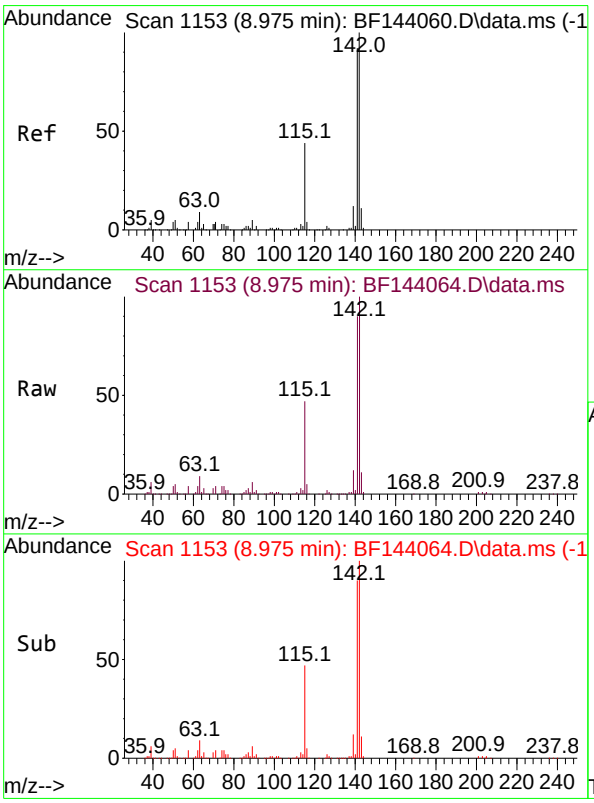
#37
2-Methylnaphthalene
Concen: 61.432 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 276923

Ion	Ratio	Lower	Upper
142	100		
141	88.0	67.6	101.4

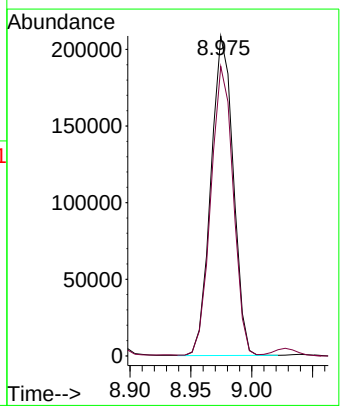


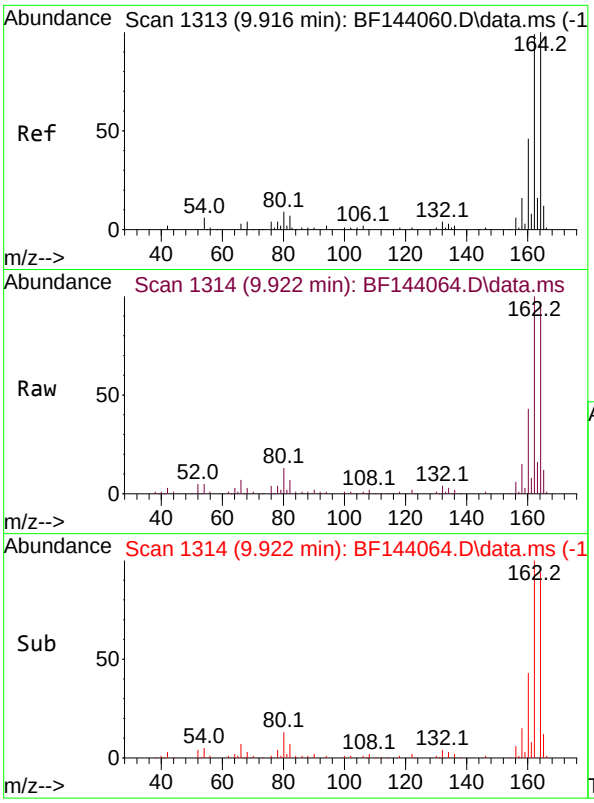


#38
1-Methylnaphthalene
Concen: 62.174 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:142 Resp: 265532

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.4	110.2



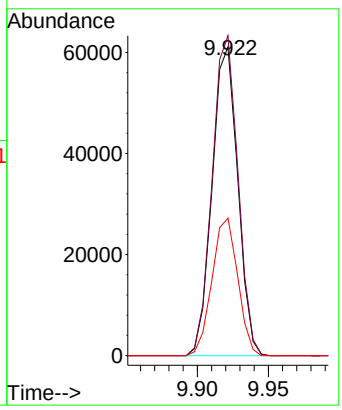


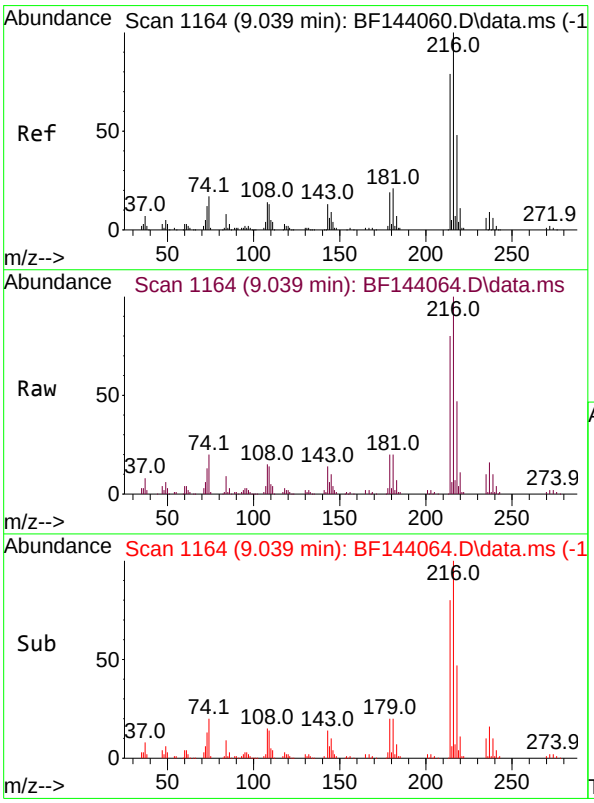
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

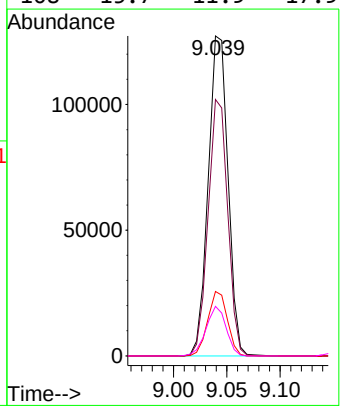


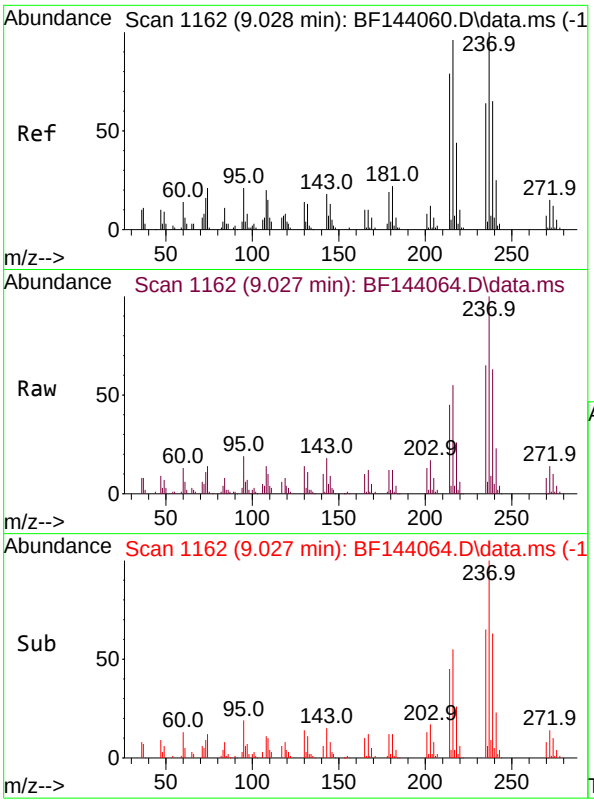


#40
1,2,4,5-Tetrachlorobenzene
Concen: 62.495 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



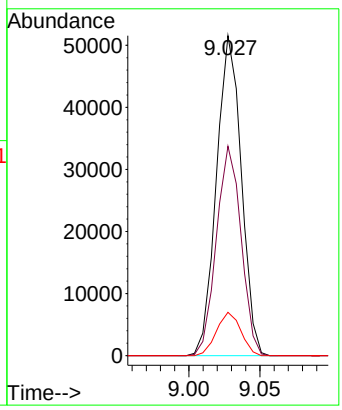


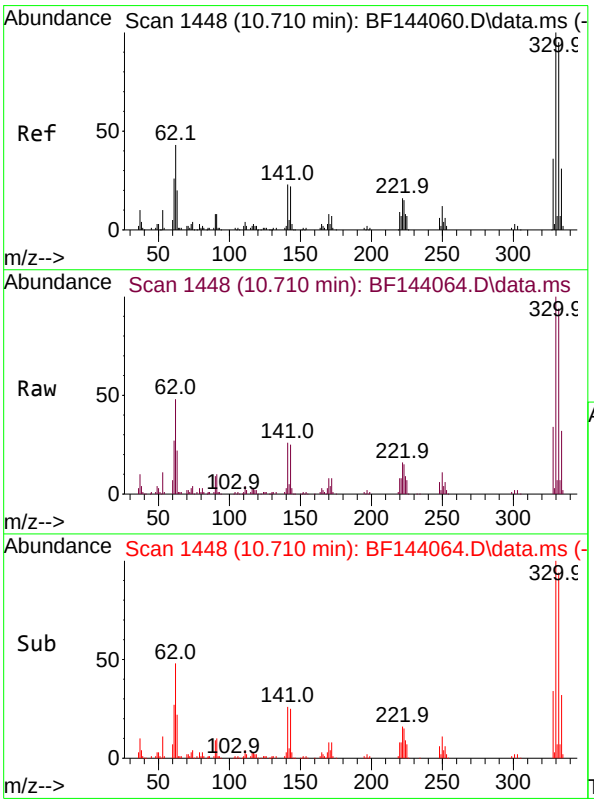
#41
Hexachlorocyclopentadiene
Concen: 77.248 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

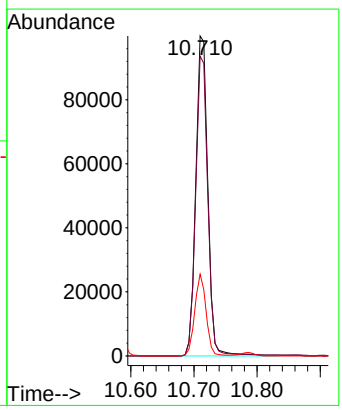


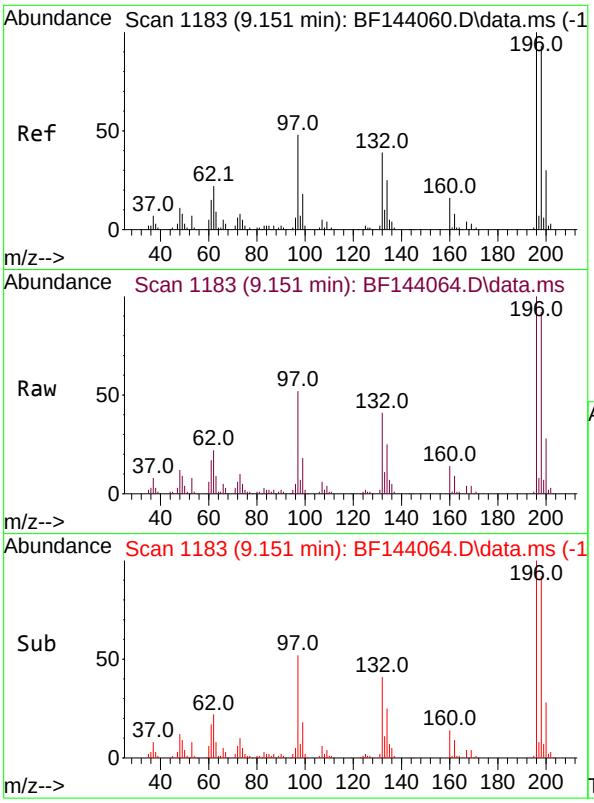


#42
2,4,6-Tribromophenol
Concen: 135.953 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



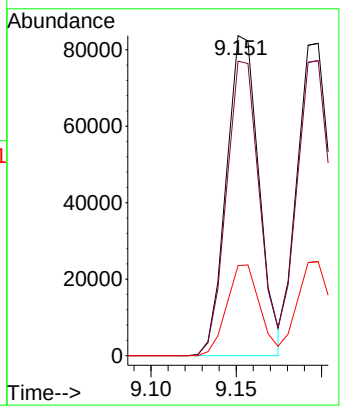


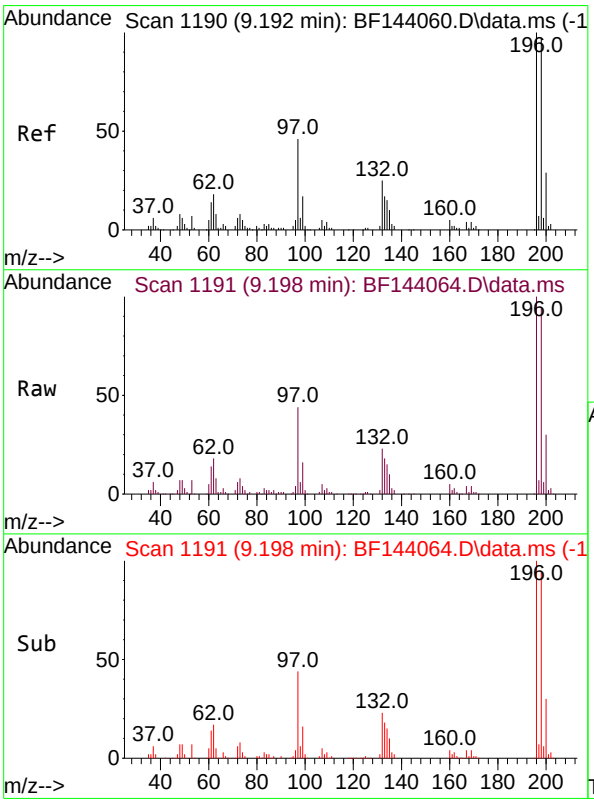
#43
2,4,6-Trichlorophenol
Concen: 65.103 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

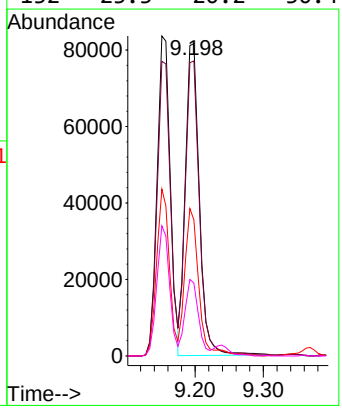


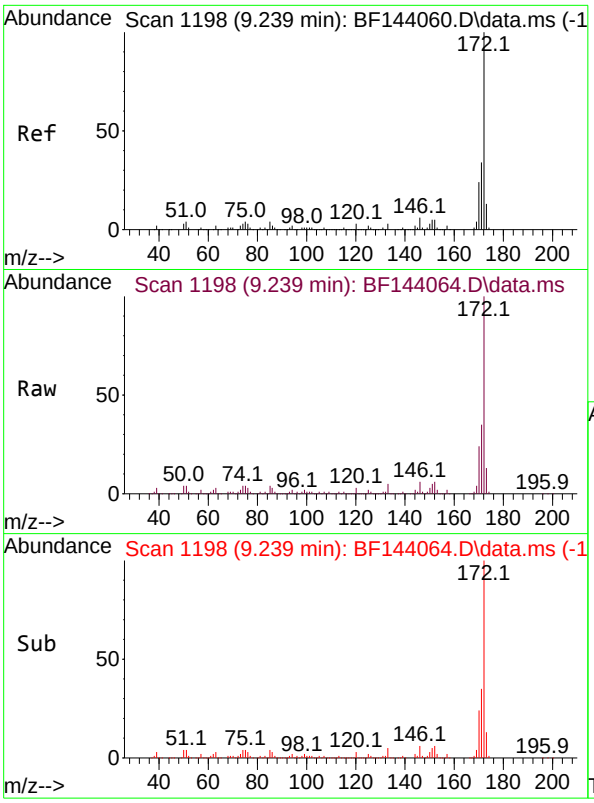


#44
2,4,5-Trichlorophenol
Concen: 65.377 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



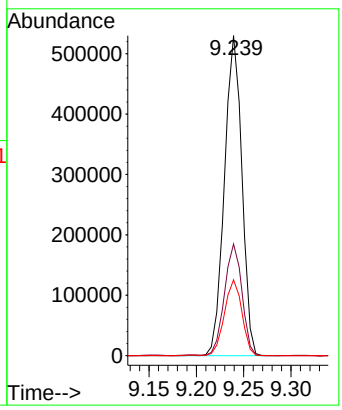


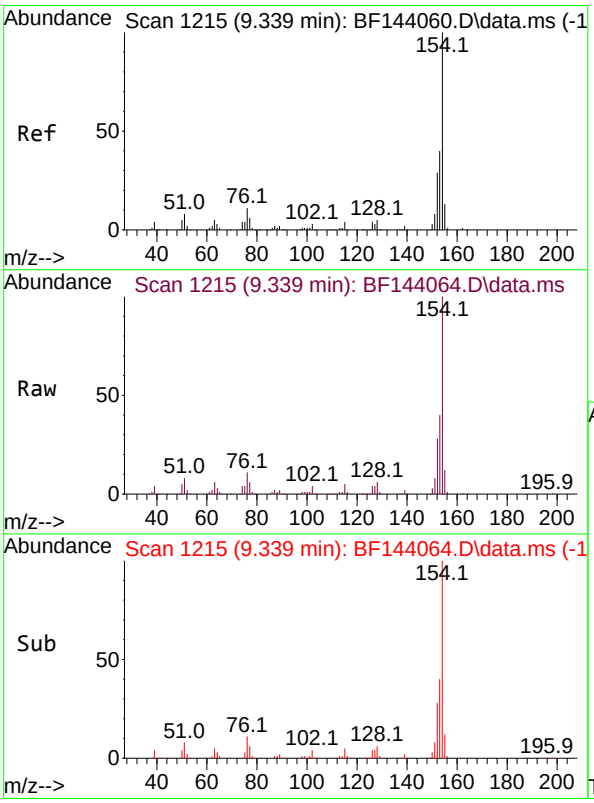
#45
2-Fluorobiphenyl
Concen: 124.361 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

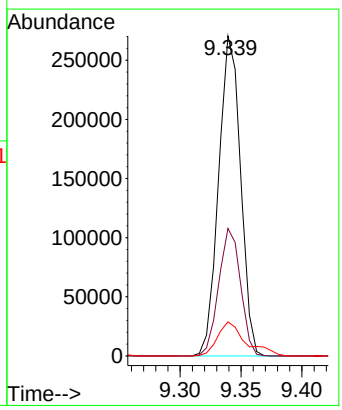


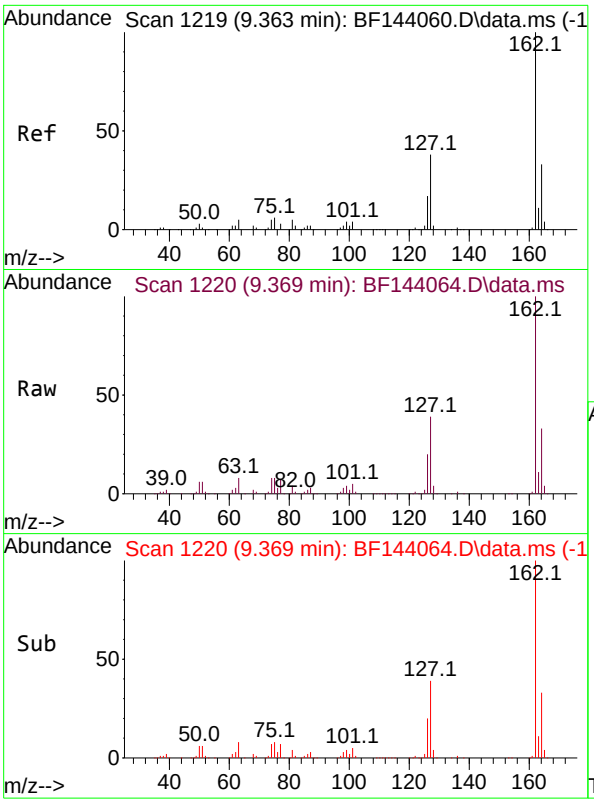


#46
1,1'-Biphenyl
Concen: 61.621 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



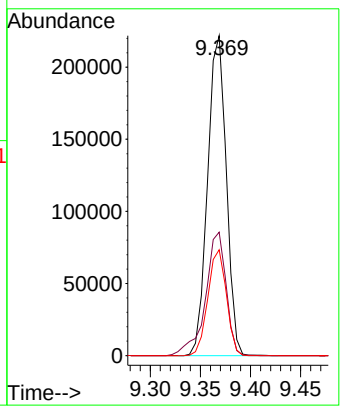


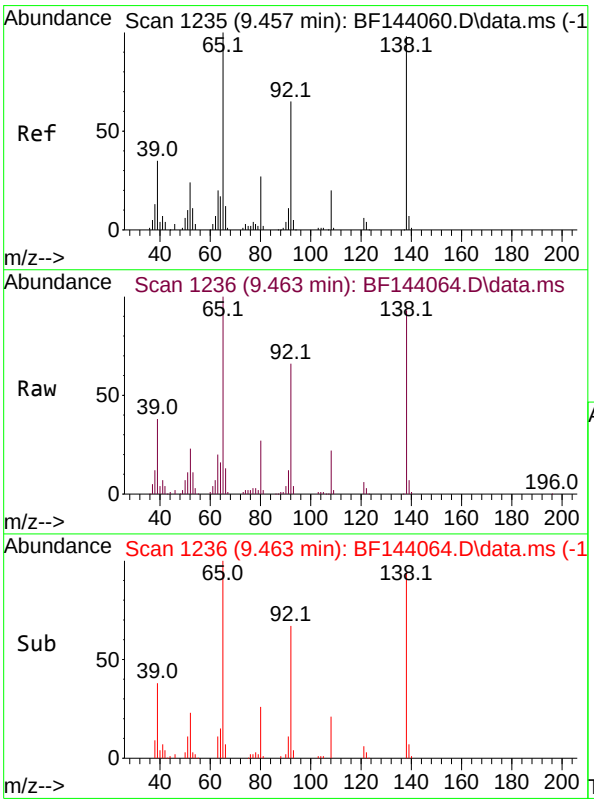
#47
2-Chloronaphthalene
Concen: 62.514 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

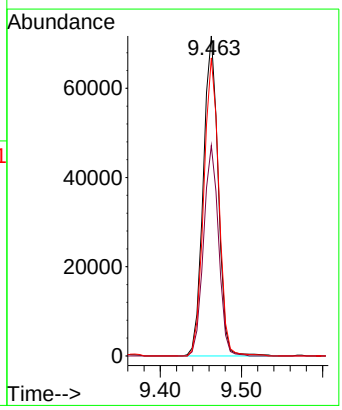


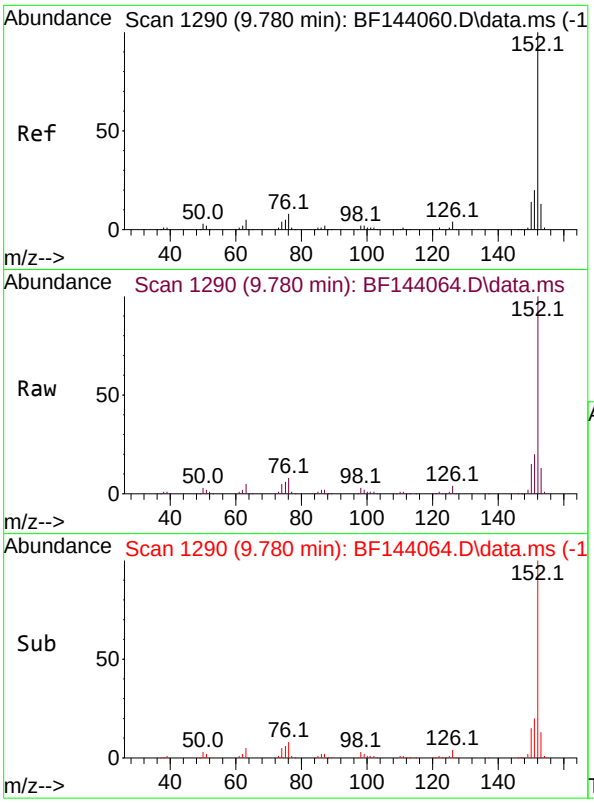


#48
2-Nitroaniline
Concen: 67.272 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



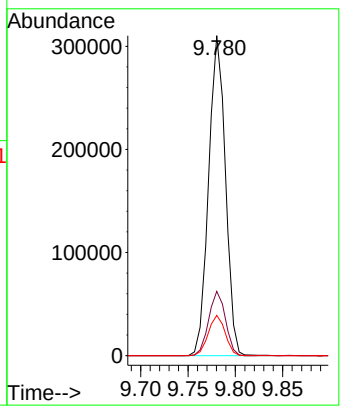


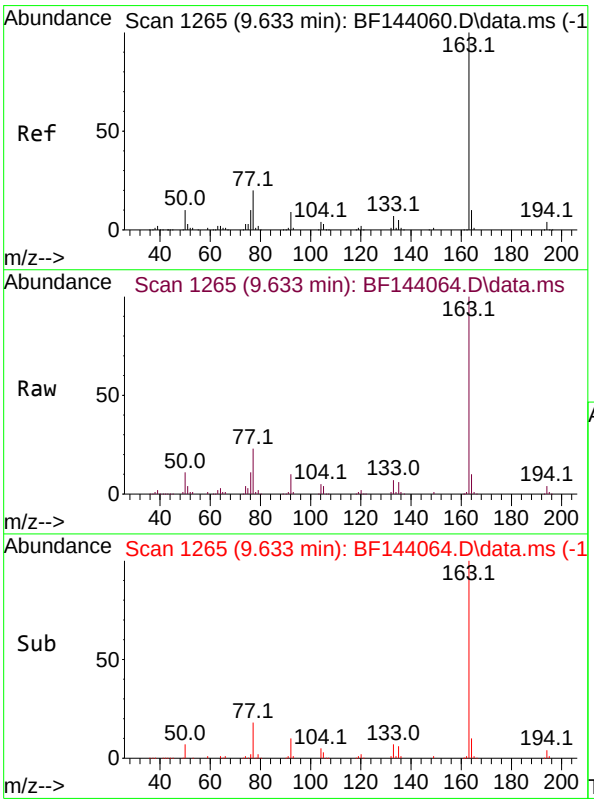
#49
Acenaphthylene
Concen: 61.895 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

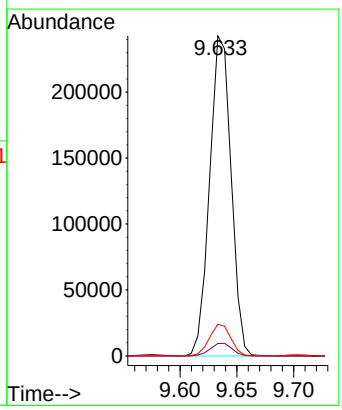


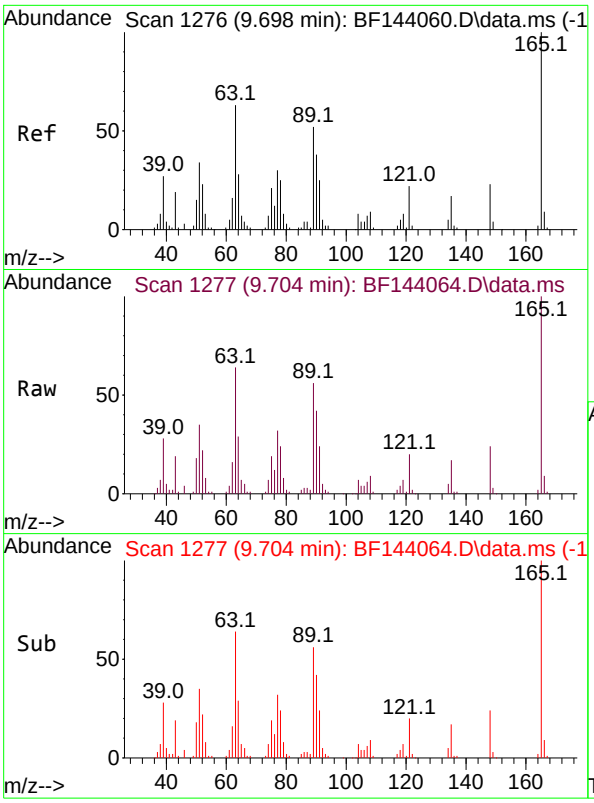


#50
Dimethylphthalate
Concen: 63.485 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



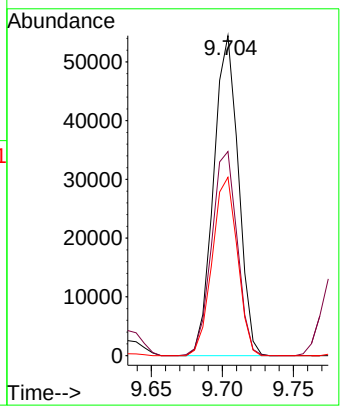


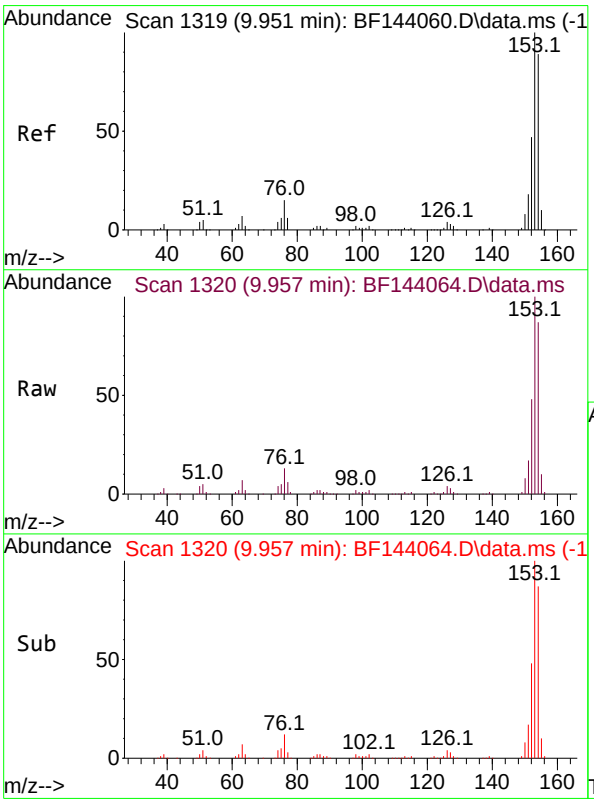
#51
2,6-Dinitrotoluene
Concen: 66.619 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

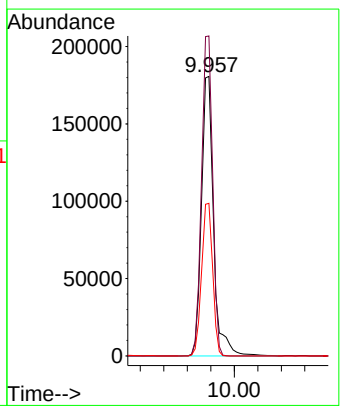


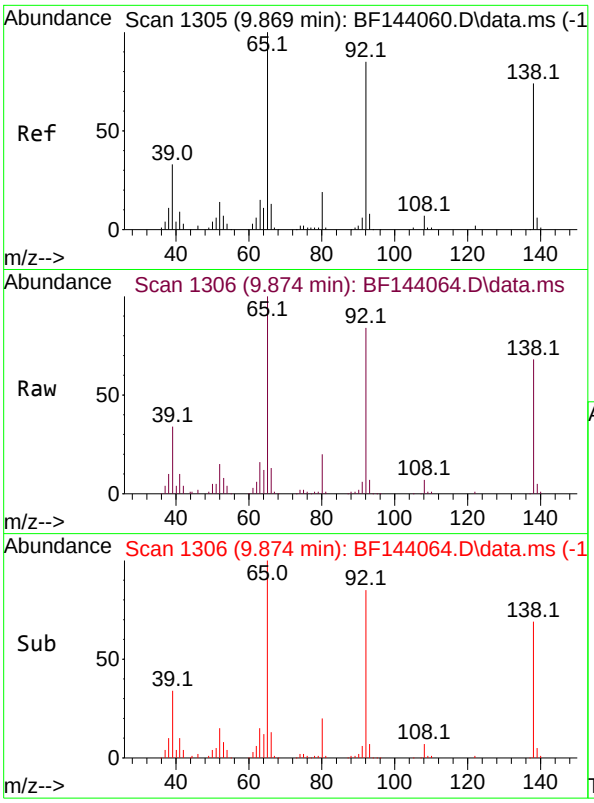


#52
Acenaphthene
Concen: 62.331 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



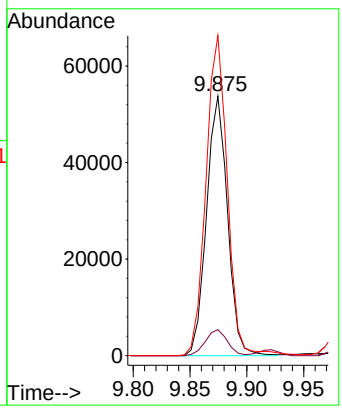


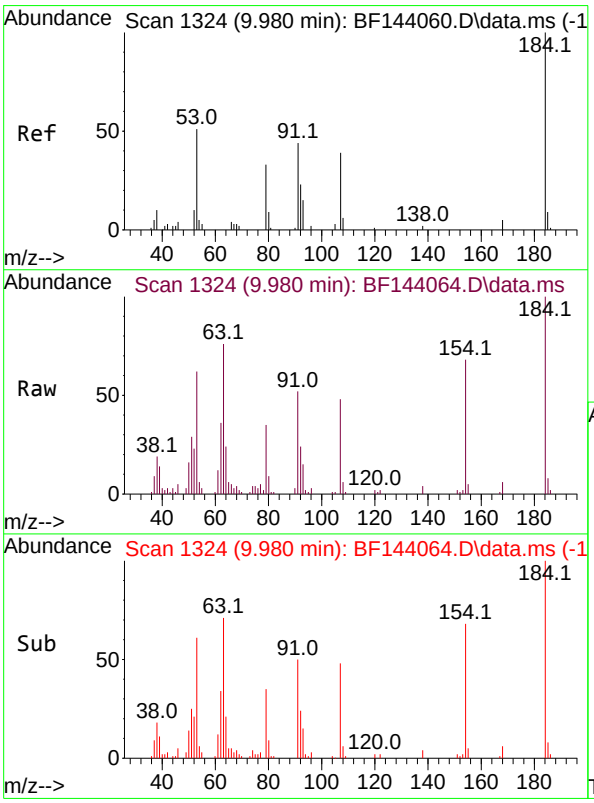
#53
3-Nitroaniline
Concen: 62.642 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

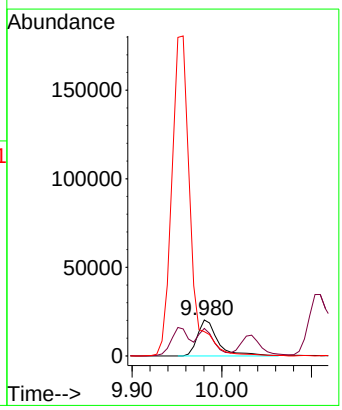


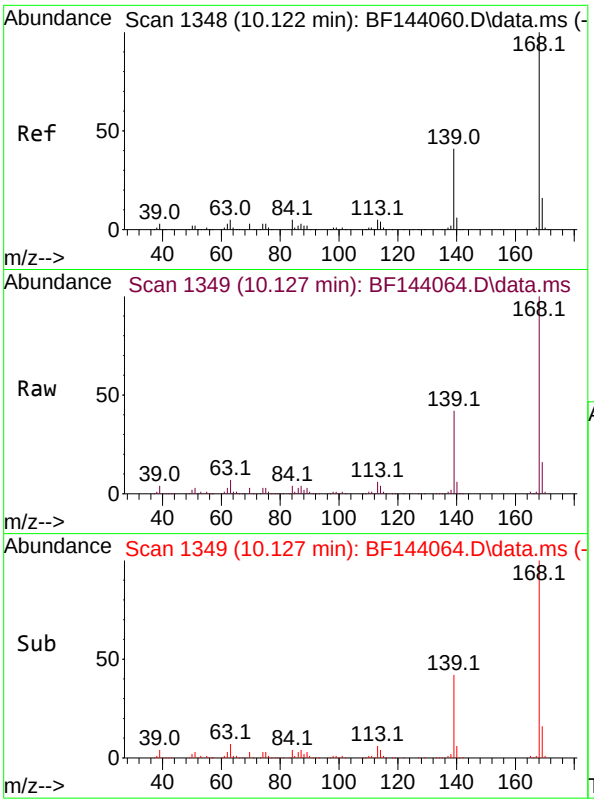


#54
2,4-Dinitrophenol
Concen: 59.508 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



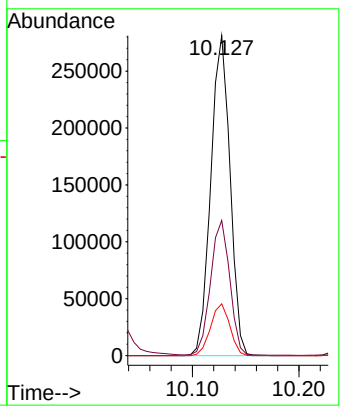


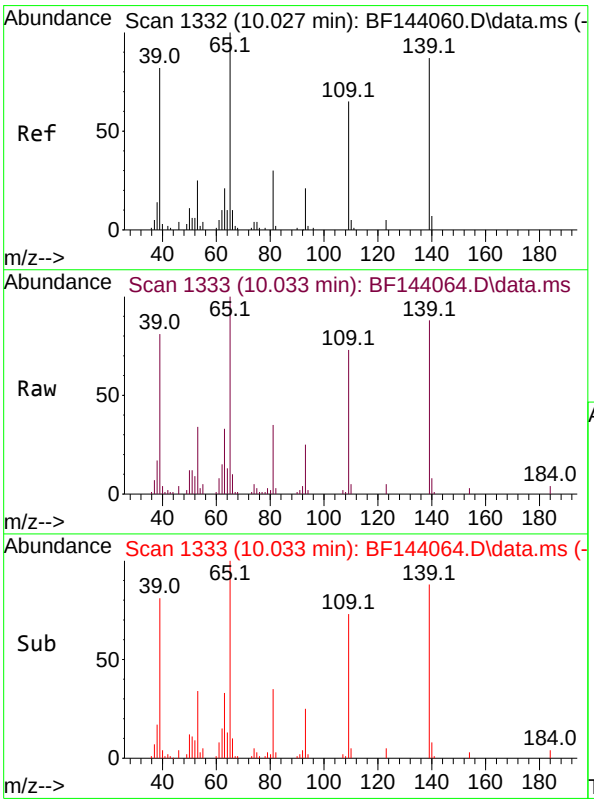
#55
Dibenzofuran
Concen: 61.440 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

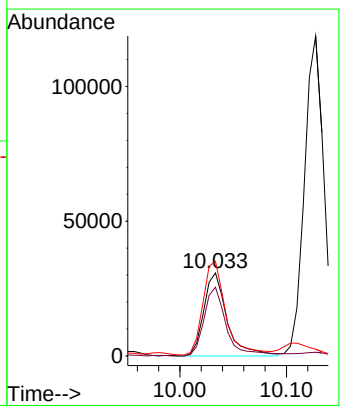


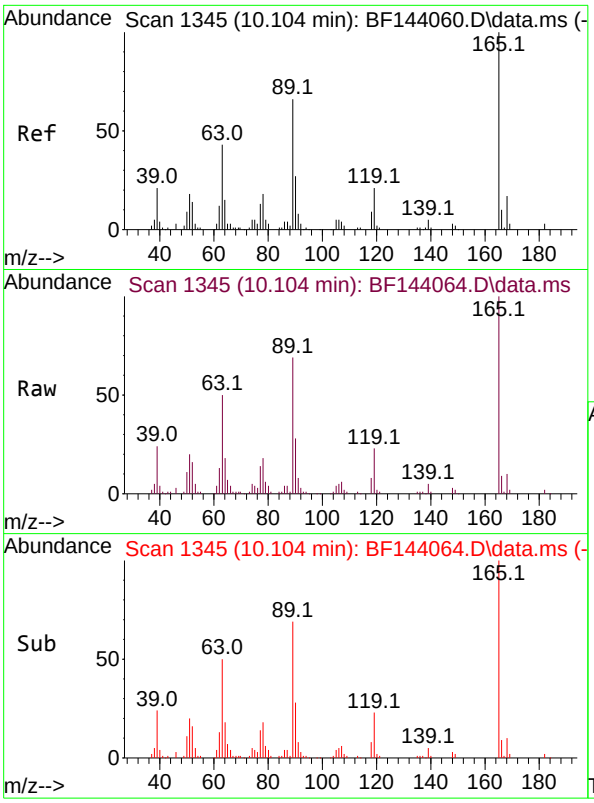


#56
4-Nitrophenol
Concen: 62.136 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



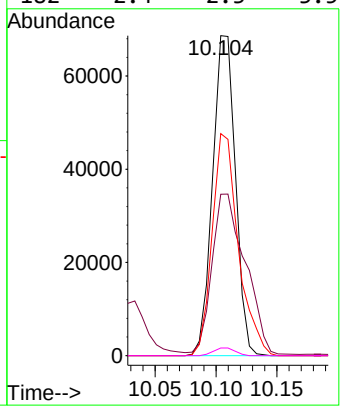


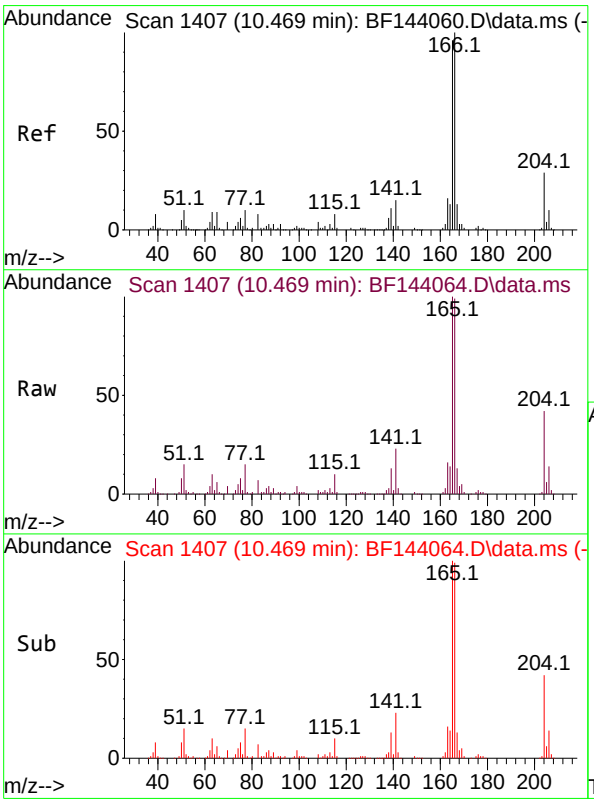
#57
2,4-Dinitrotoluene
Concen: 66.833 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

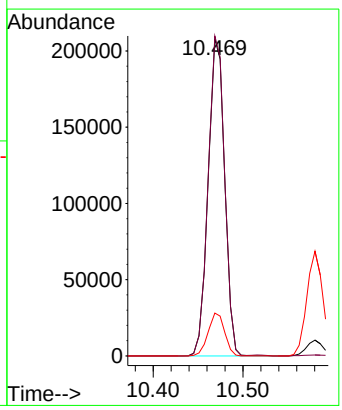


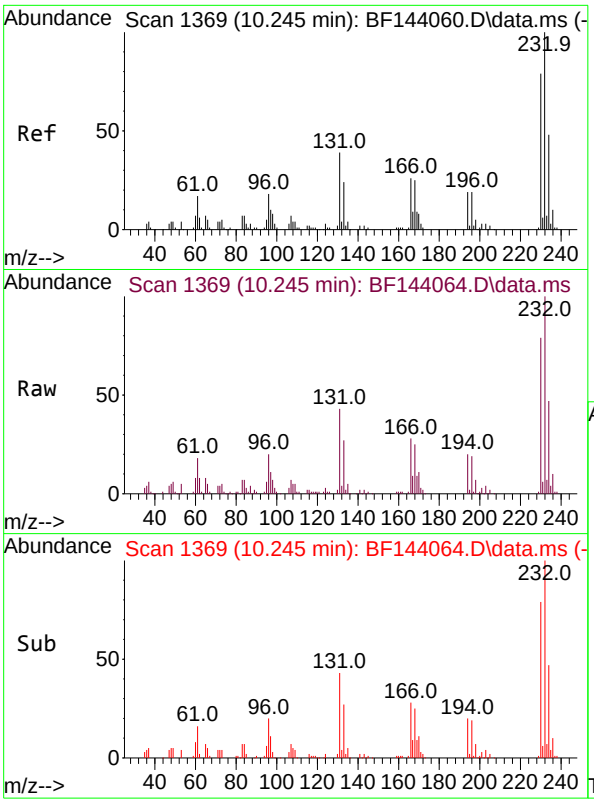


#58
Fluorene
Concen: 60.997 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



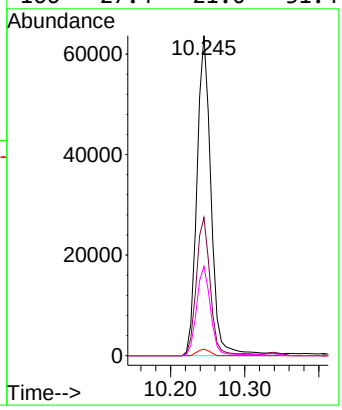


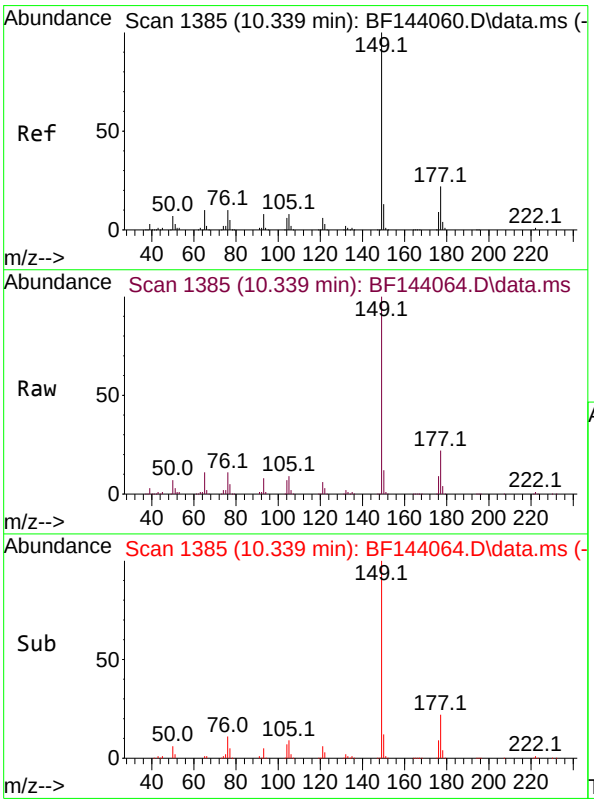
#59
2,3,4,6-Tetrachlorophenol
Concen: 66.502 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

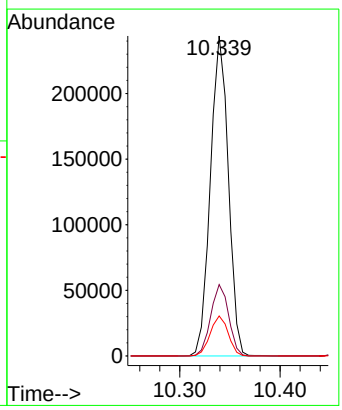


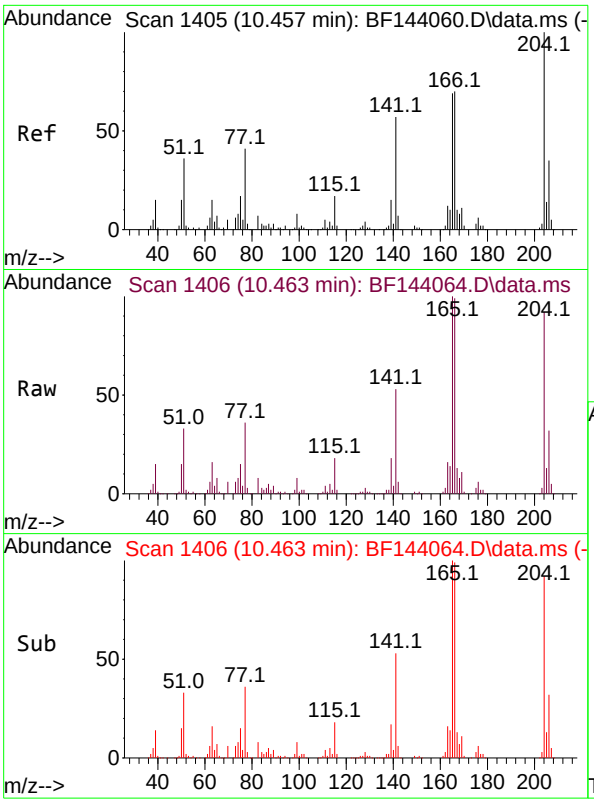


#60
Diethylphthalate
Concen: 64.138 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



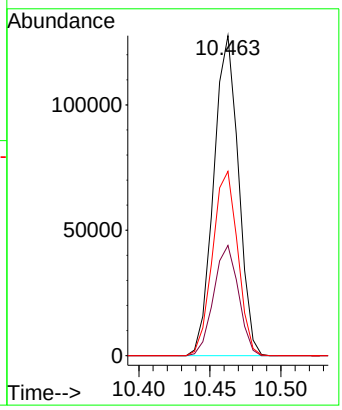


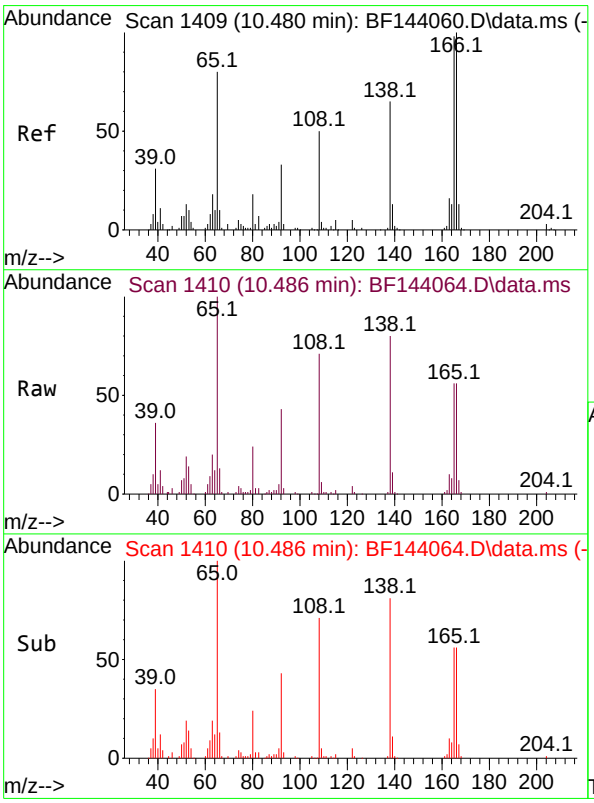
#61
4-Chlorophenyl-phenylether
Concen: 62.927 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

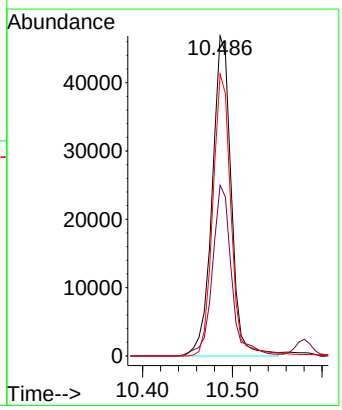


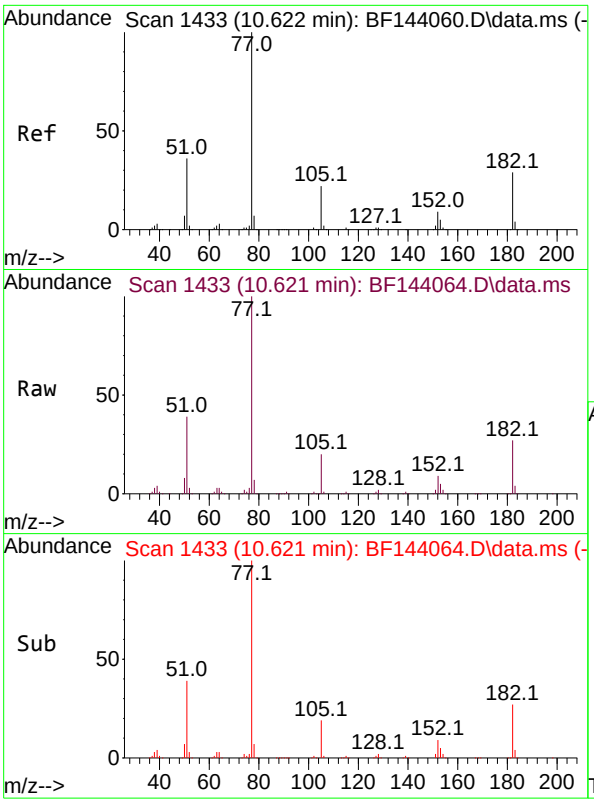


#62
4-Nitroaniline
Concen: 65.819 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



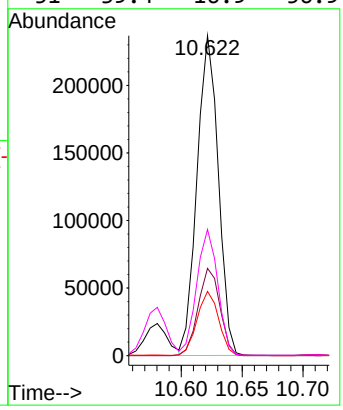


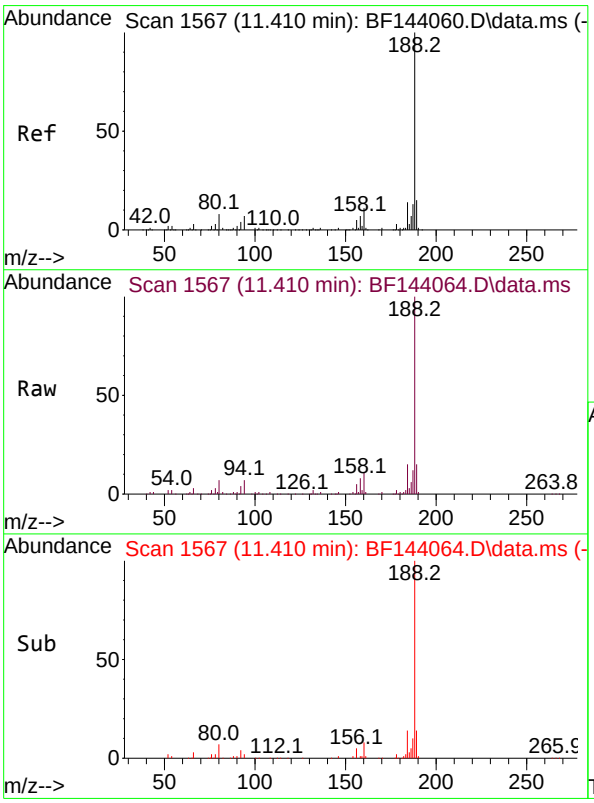
#63
Azobenzene
Concen: 64.412 ng
RT: 10.621 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

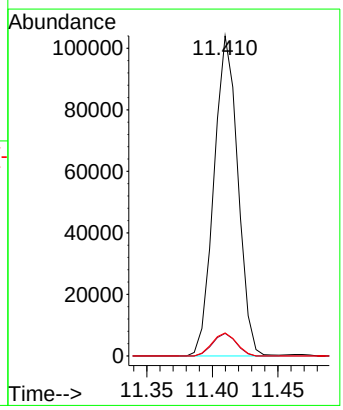


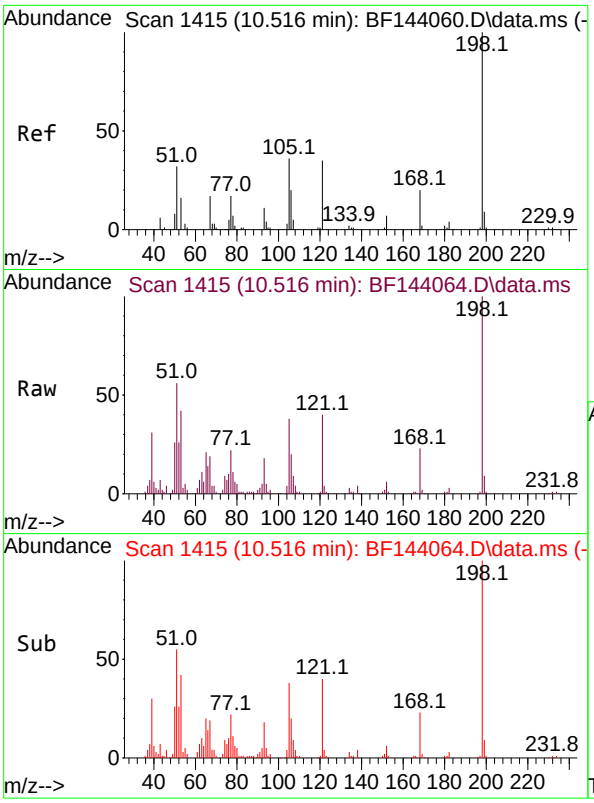


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



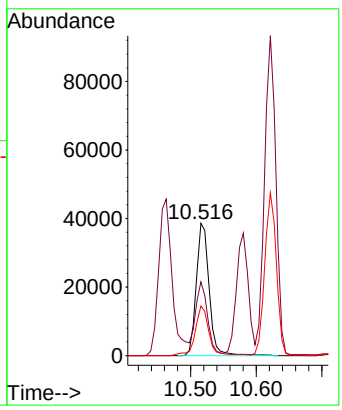


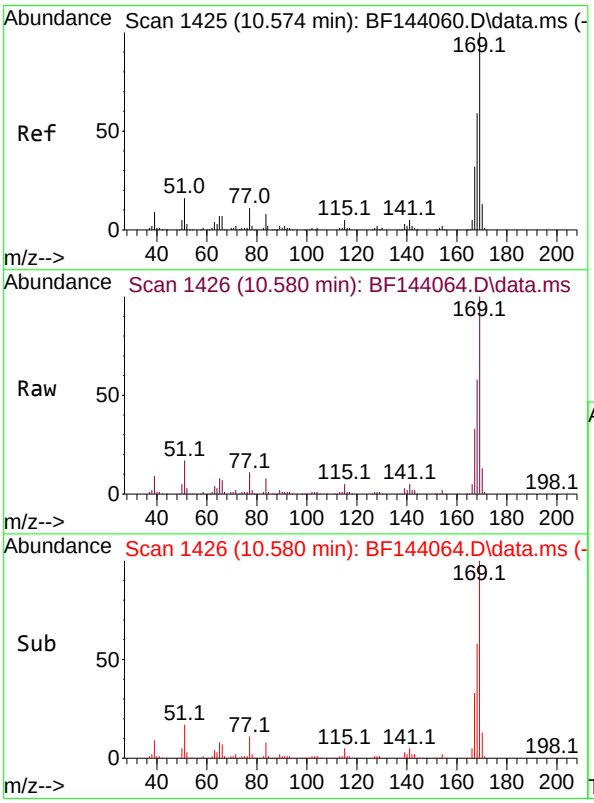
#65
4,6-Dinitro-2-methylphenol
Concen: 61.785 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

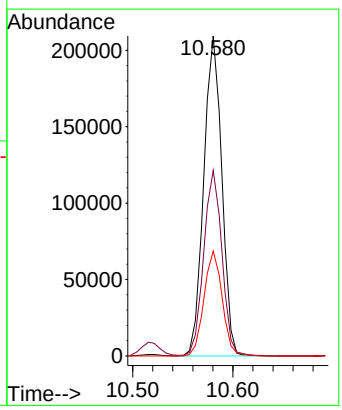


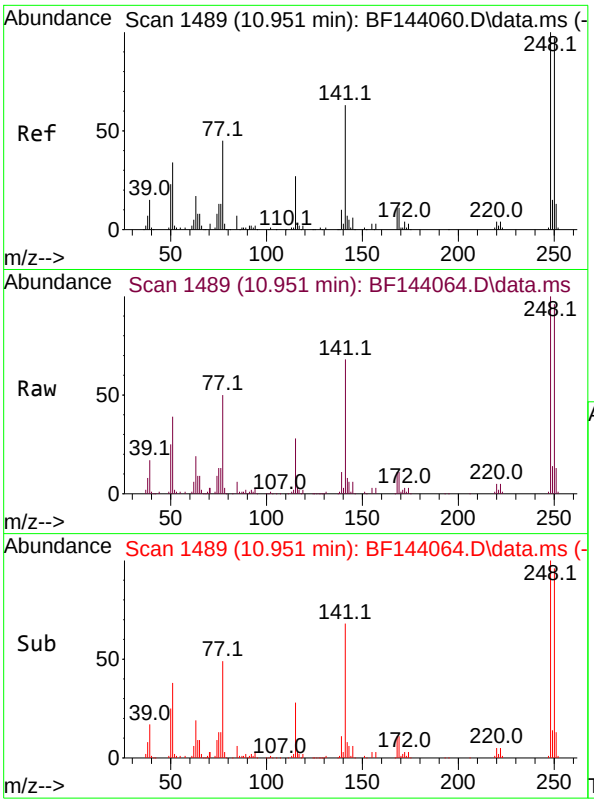


#66
n-Nitrosodiphenylamine
Concen: 61.911 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



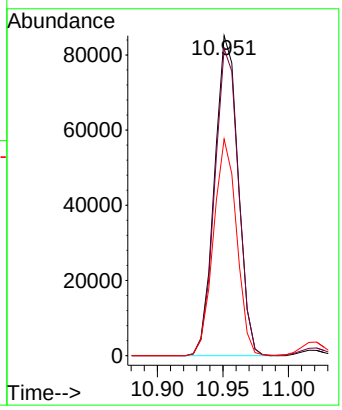


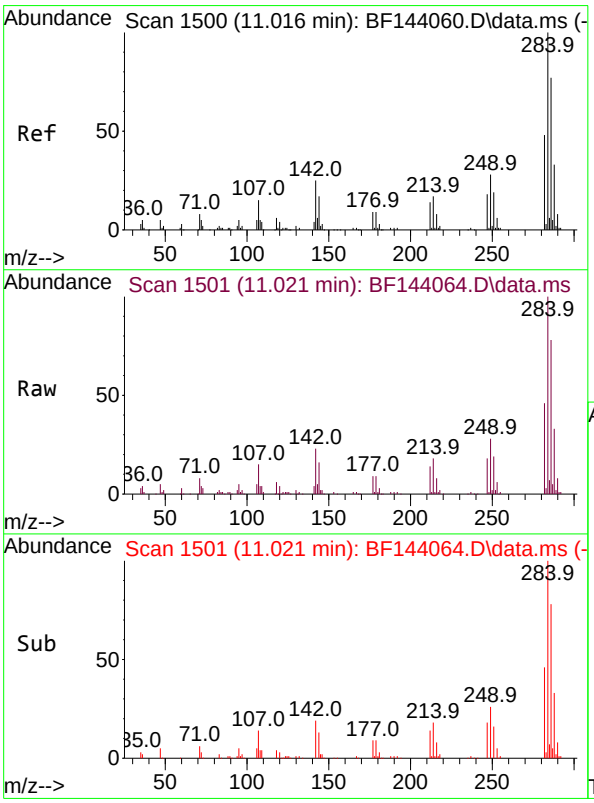
#67
4-Bromophenyl-phenylether
Concen: 64.641 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

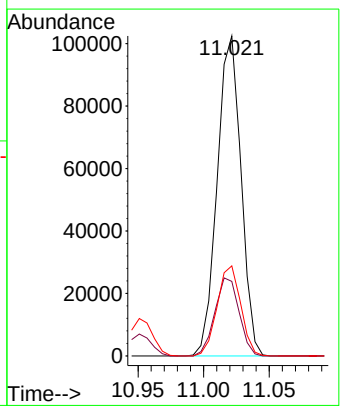


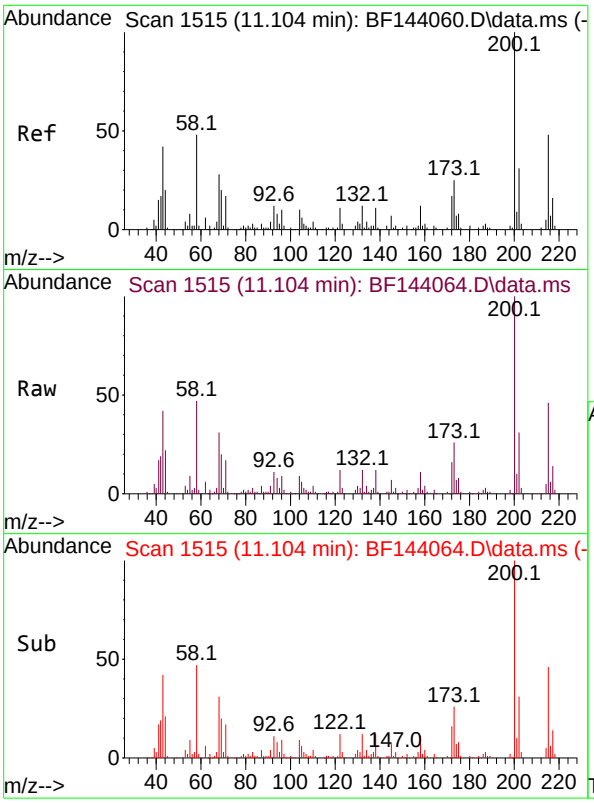


#68
Hexachlorobenzene
Concen: 64.021 ng
RT: 11.021 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



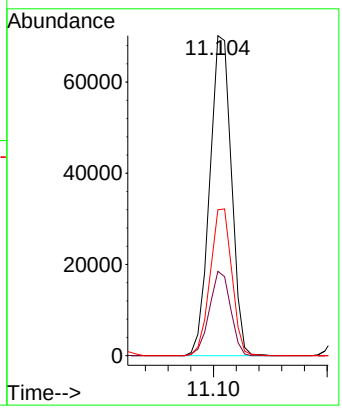


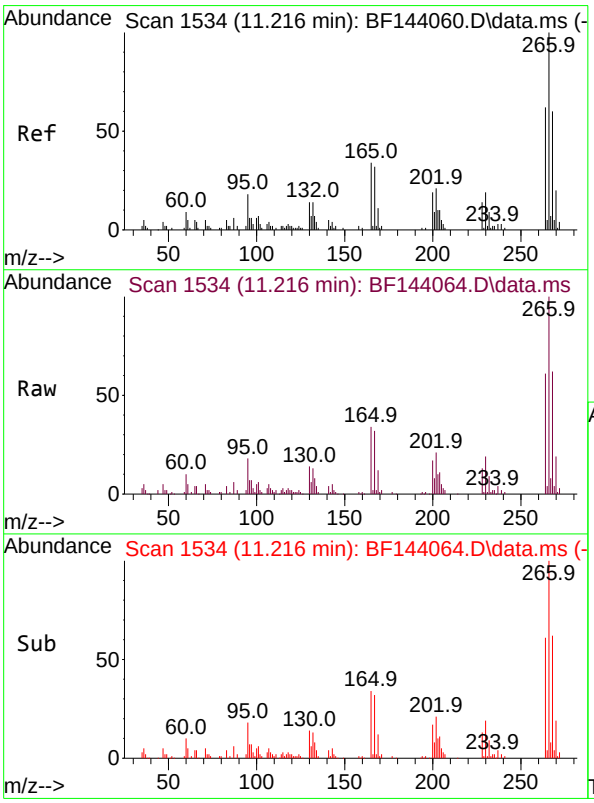
#69
Atrazine
Concen: 67.200 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

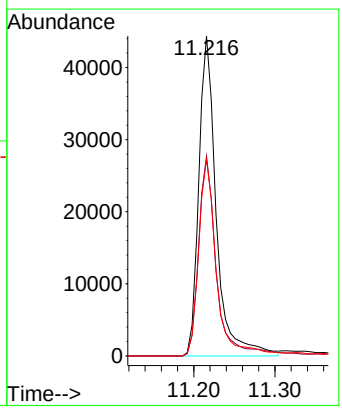


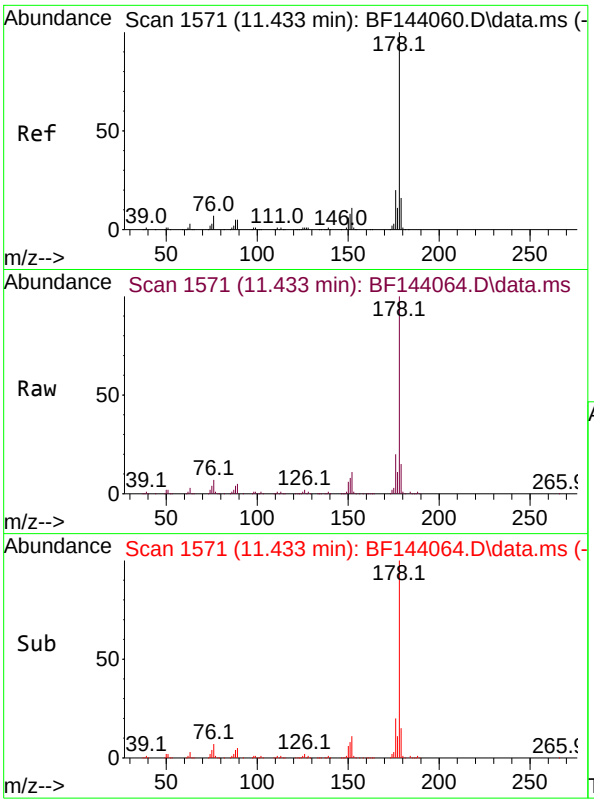


#70
Pentachlorophenol
Concen: 68.842 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



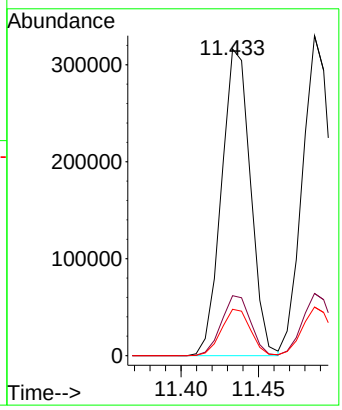


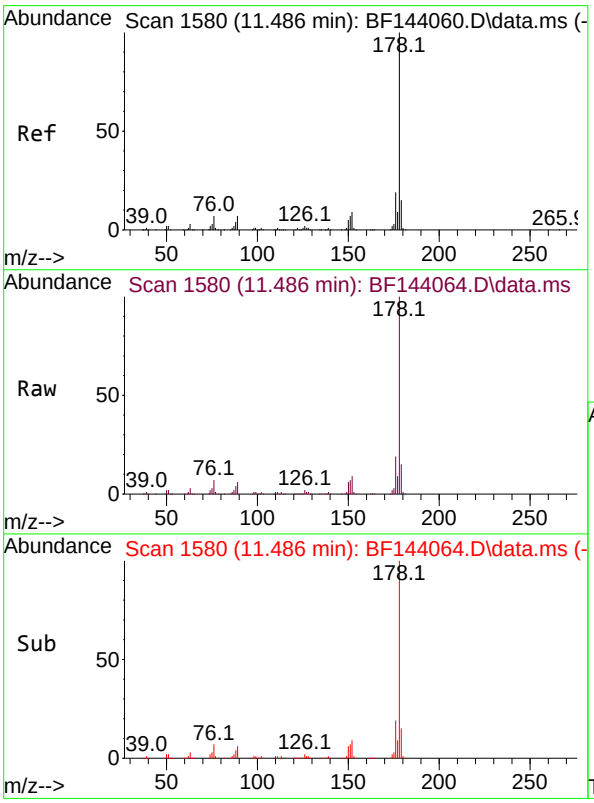
#71
Phenanthrene
Concen: 63.013 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

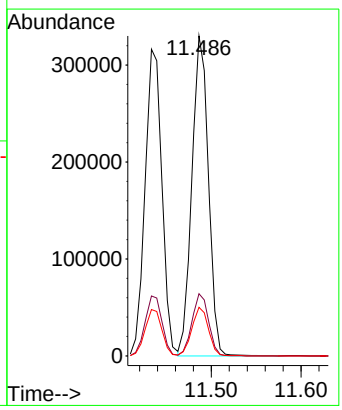


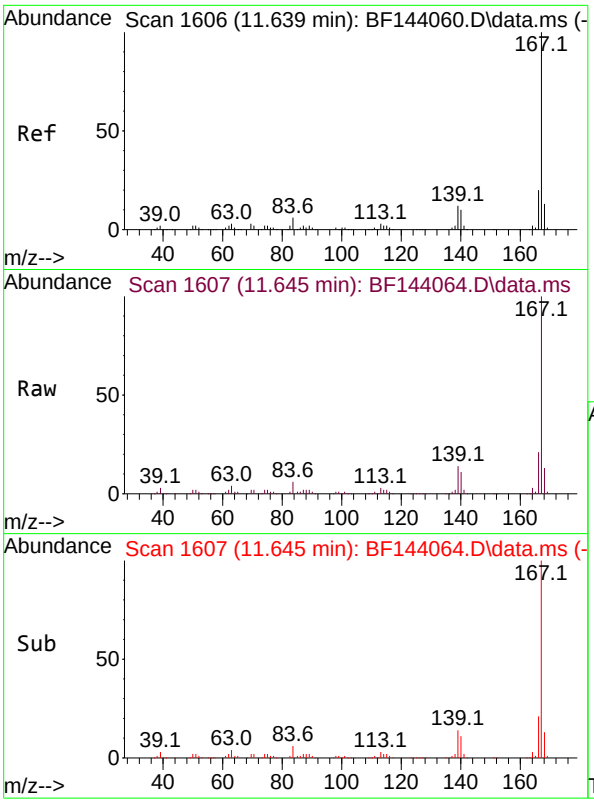


#72
Anthracene
Concen: 62.266 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



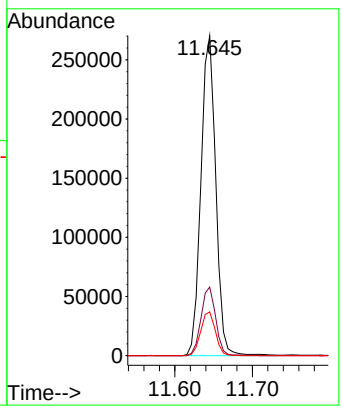


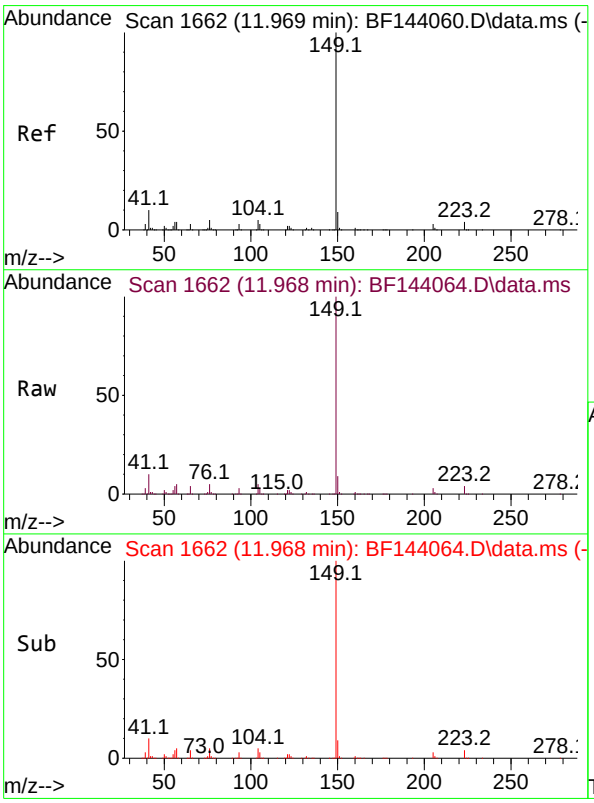
#73
Carbazole
Concen: 62.276 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

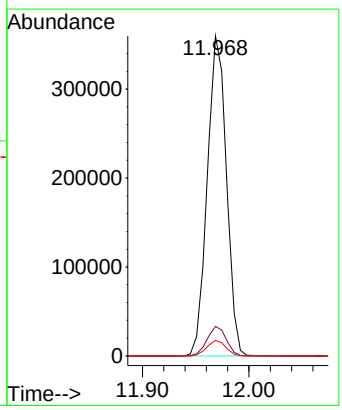


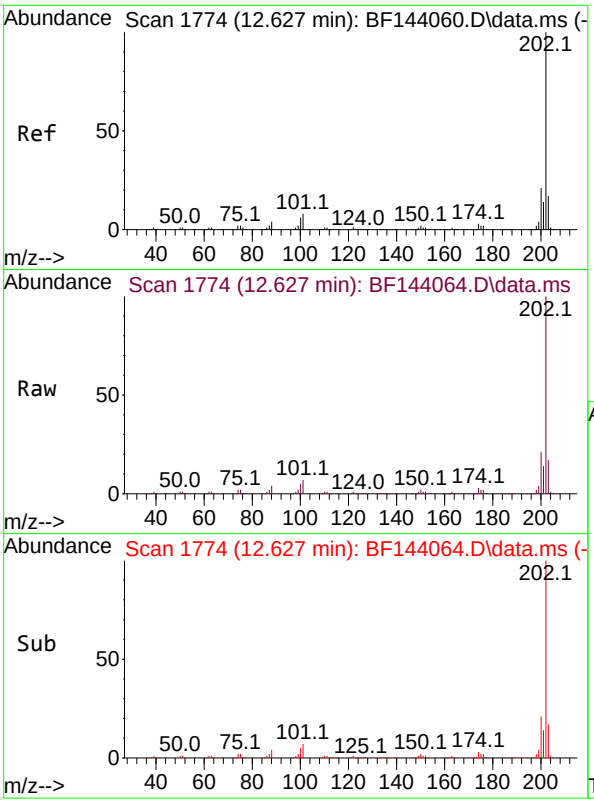


#74
Di-n-butylphthalate
Concen: 63.601 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



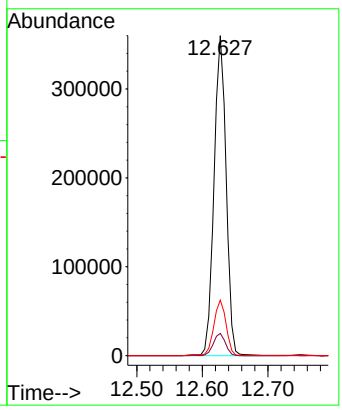


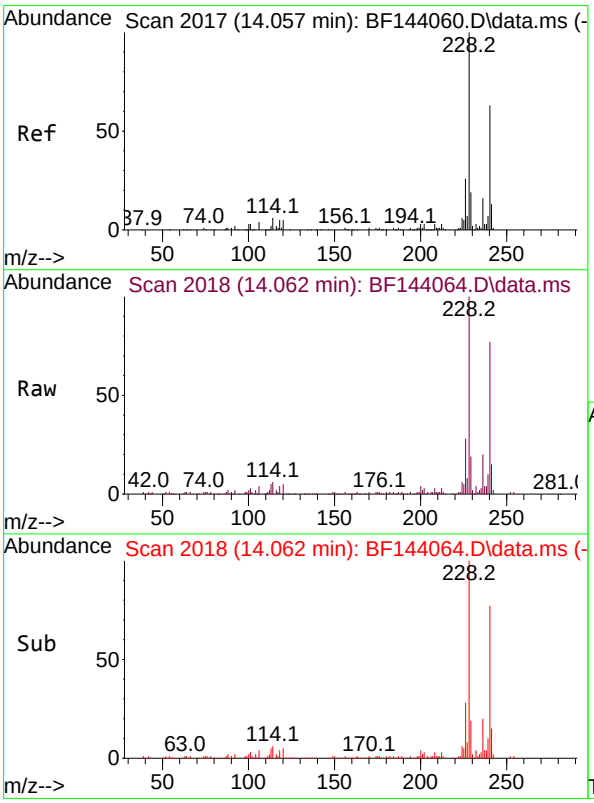
#75
Fluoranthene
Concen: 63.767 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

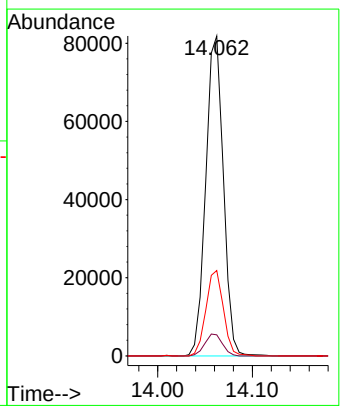


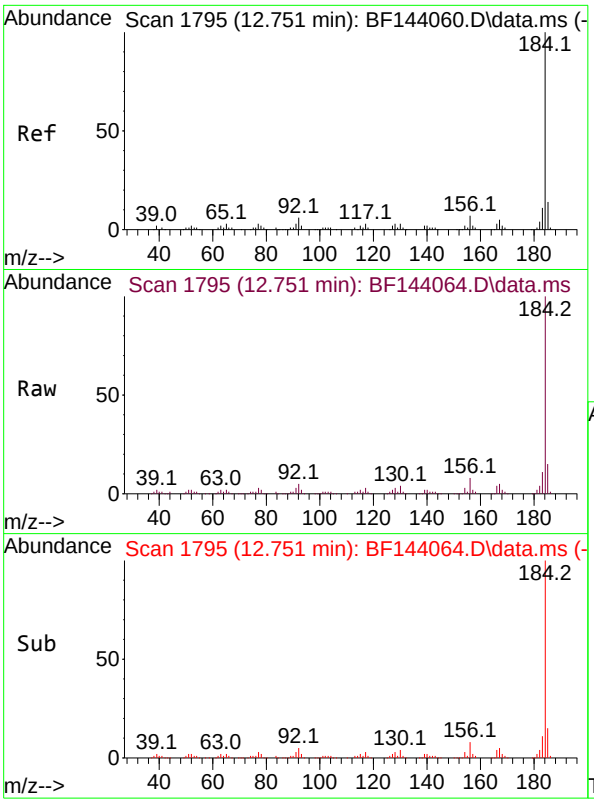


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



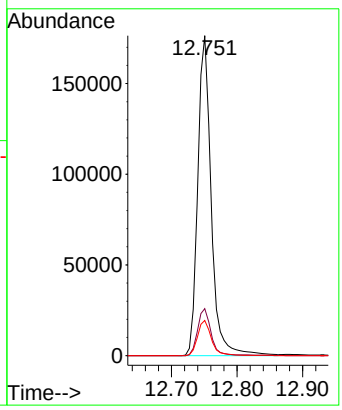


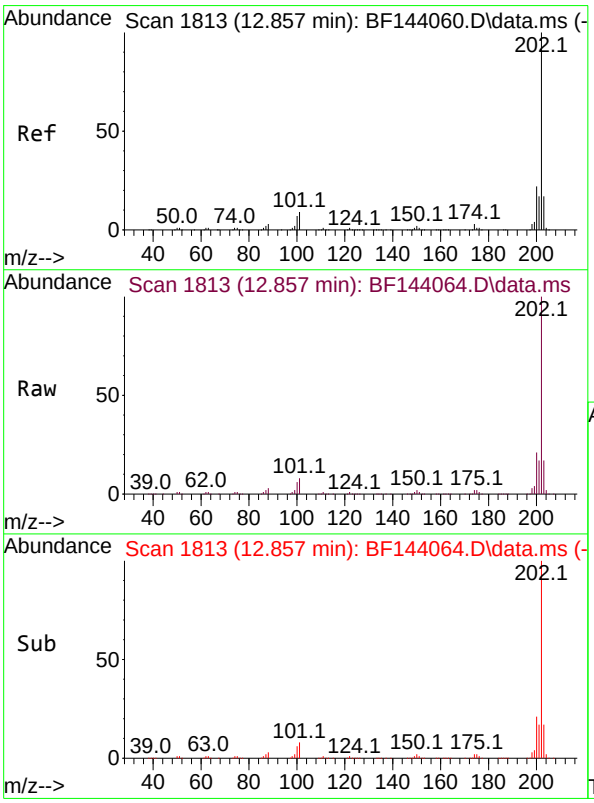
#77
Benzidine
Concen: 75.863 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

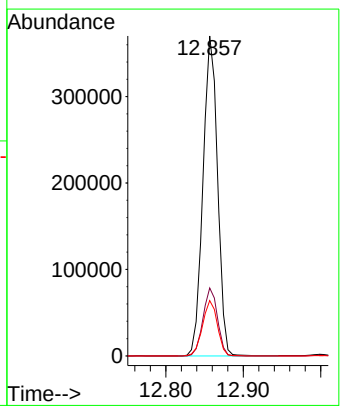


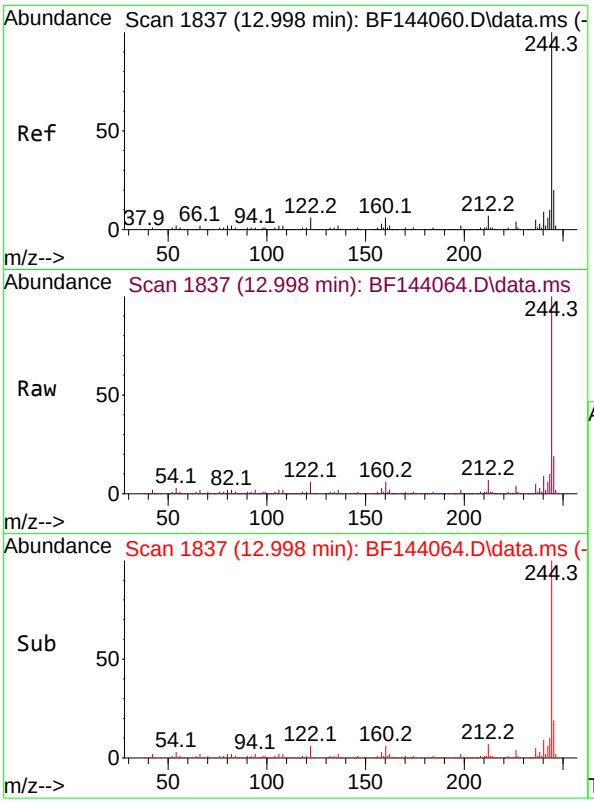


#78
Pyrene
Concen: 63.369 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



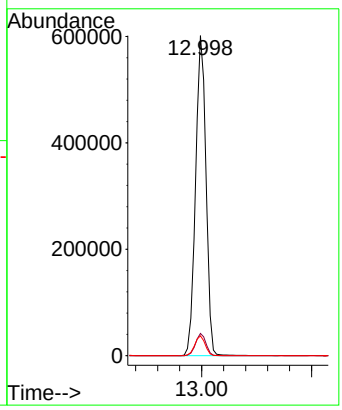


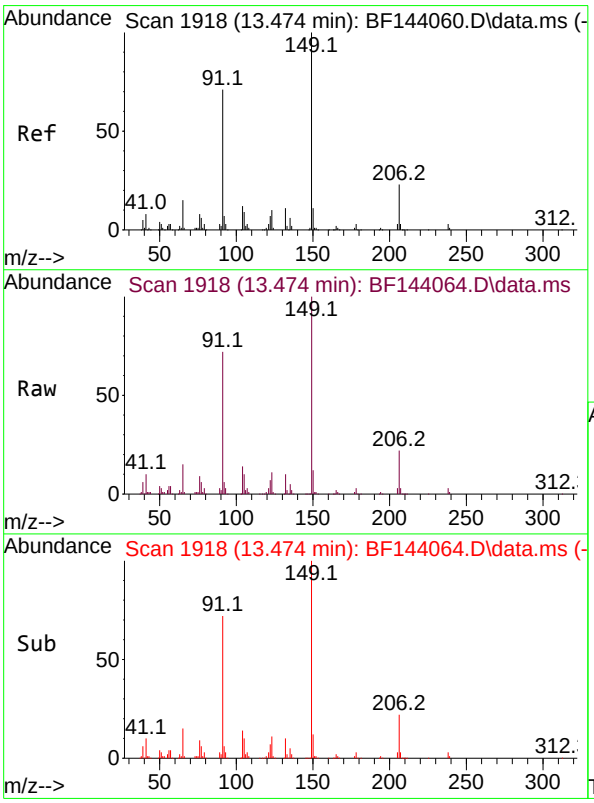
#79
Terphenyl-d14
Concen: 130.186 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

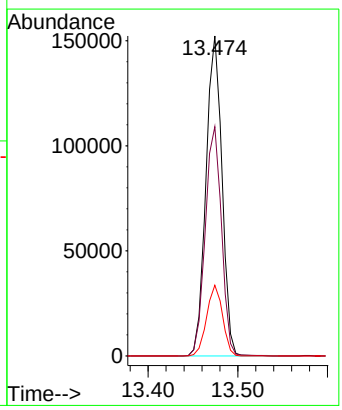


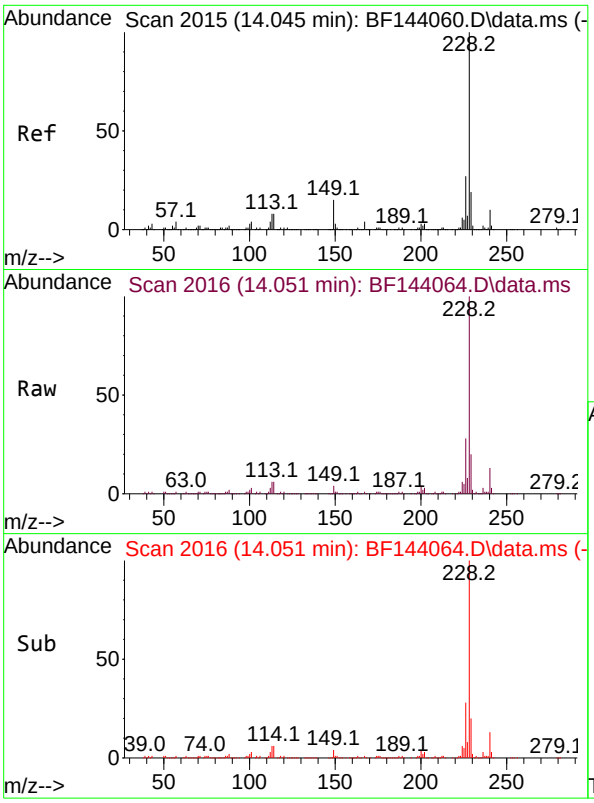


#80
Butylbenzylphthalate
Concen: 65.668 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



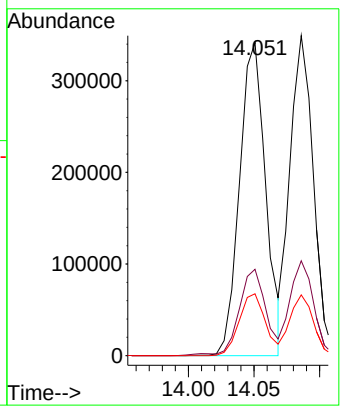


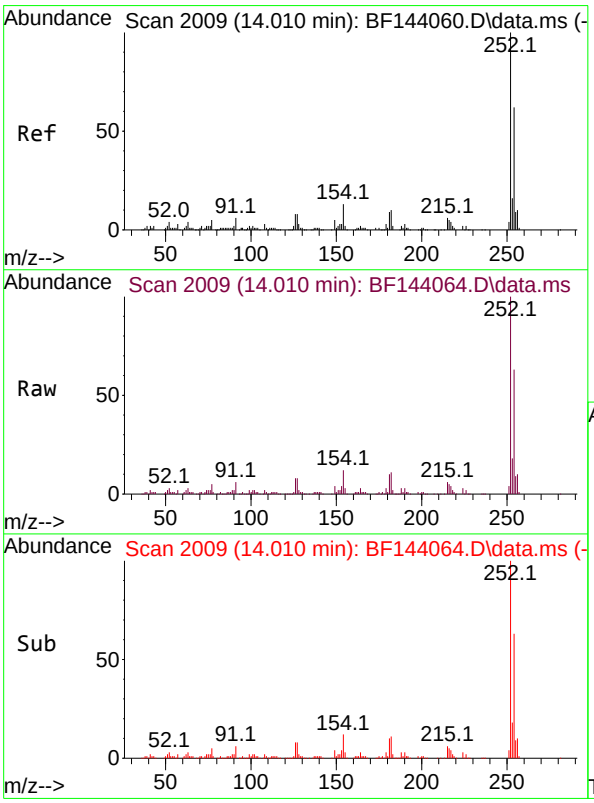
#81
Benzo(a)anthracene
Concen: 66.219 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

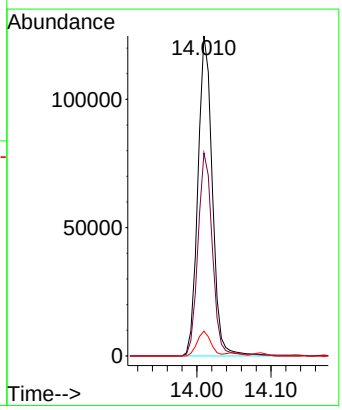


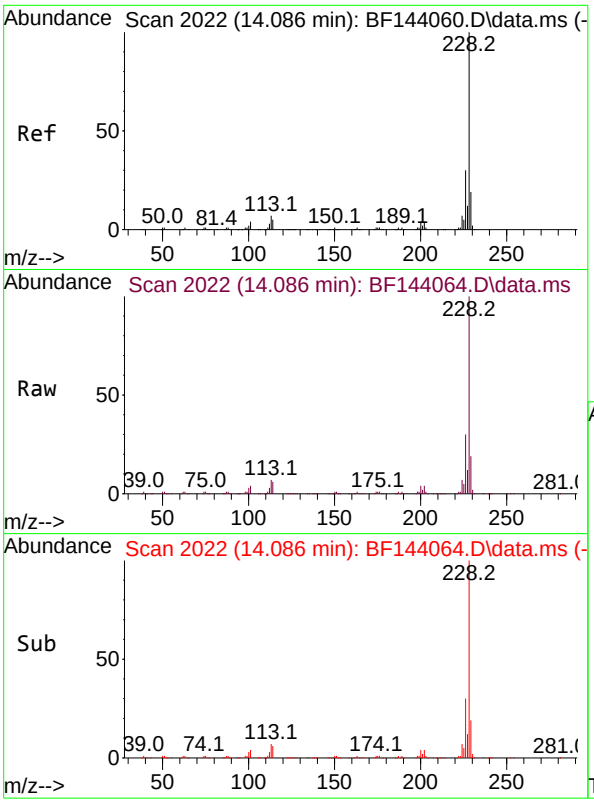


#82
3,3'-Dichlorobenzidine
Concen: 67.487 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



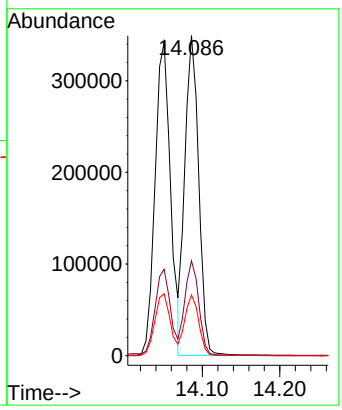


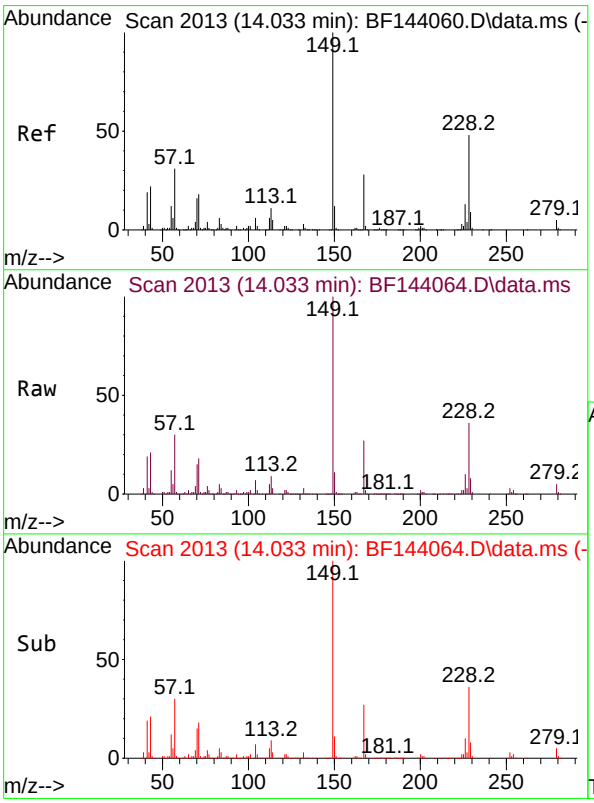
#83
Chrysene
Concen: 64.608 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

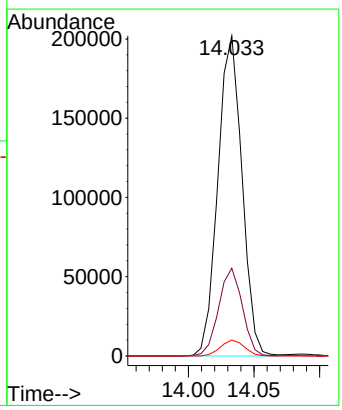


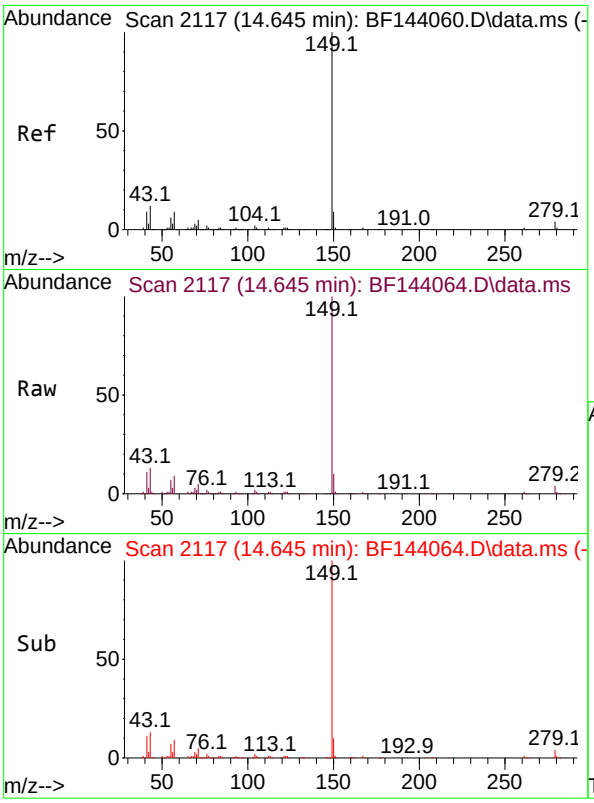


#84
Bis(2-ethylhexyl)phthalate
Concen: 65.663 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



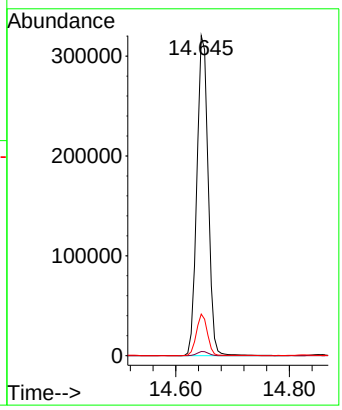


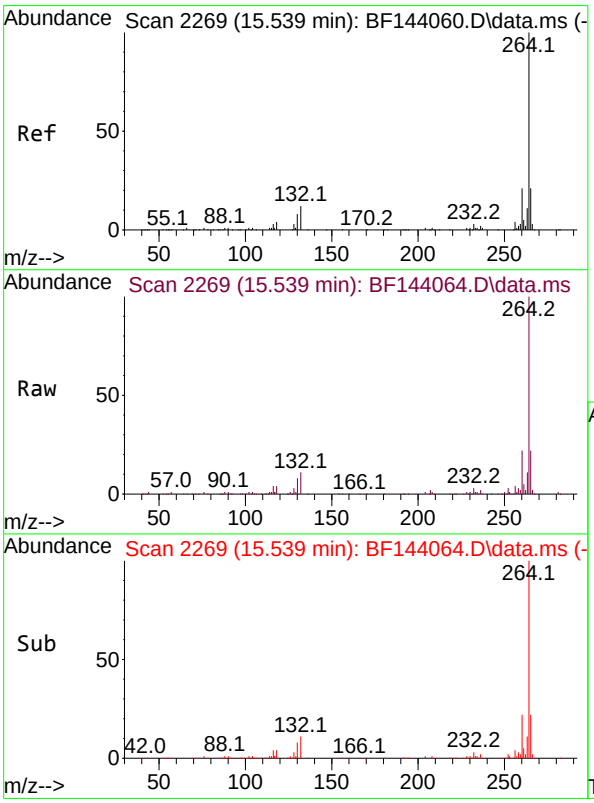
#85
Di-n-octyl phthalate
Concen: 64.942 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

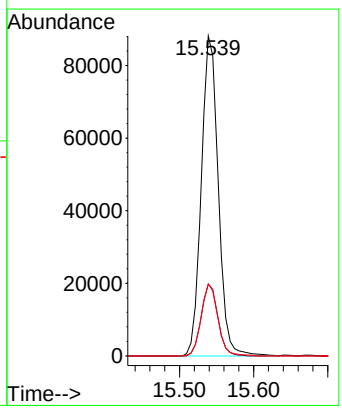


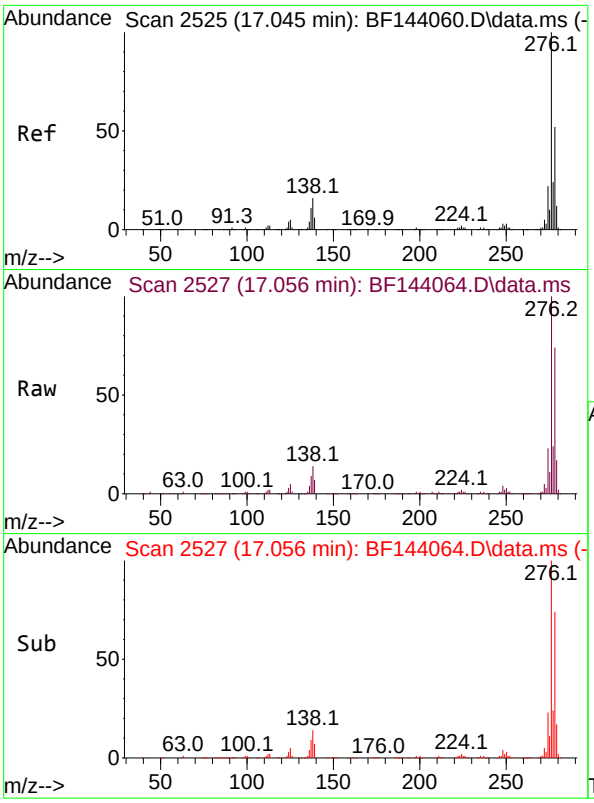


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



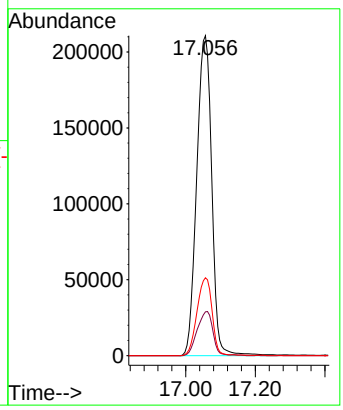


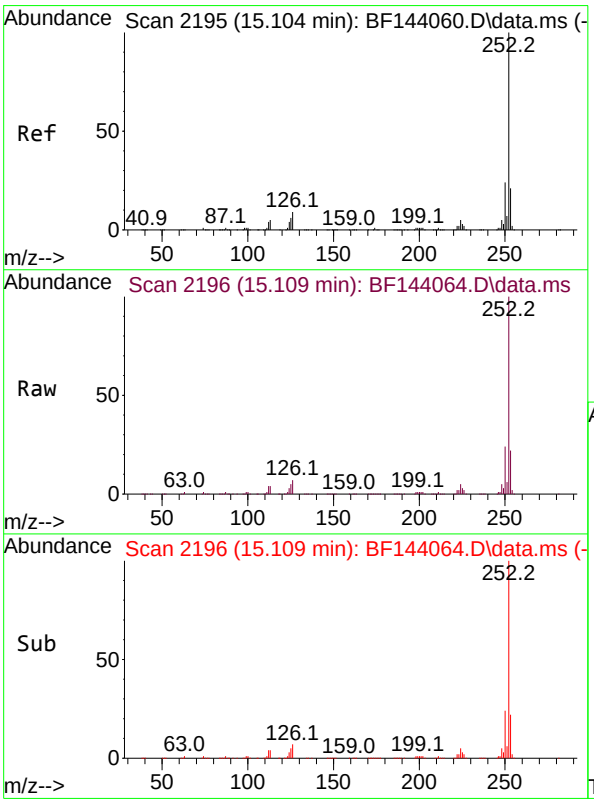
#87
Indeno(1,2,3-cd)pyrene
Concen: 65.606 ng
RT: 17.056 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

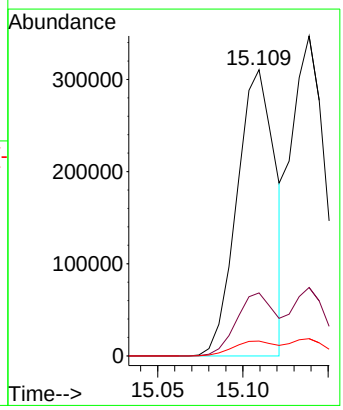


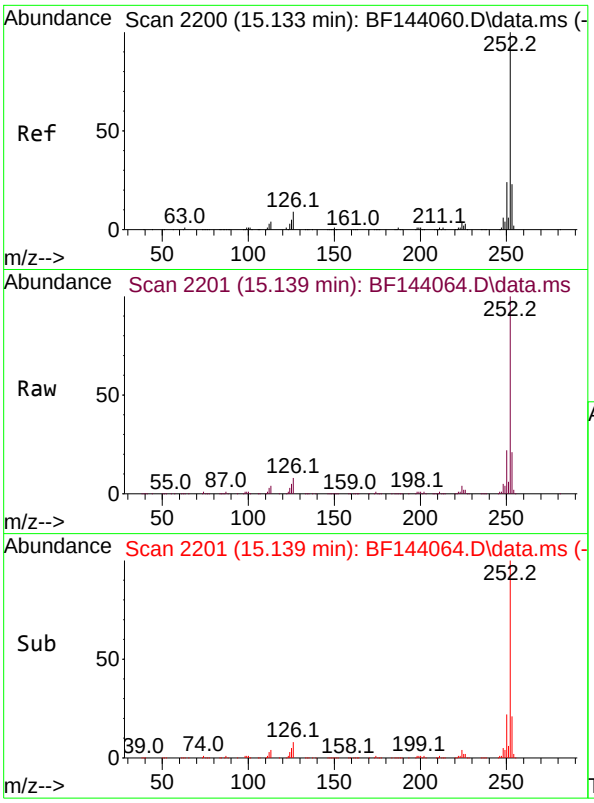


#88
Benzo(b)fluoranthene
Concen: 61.071 ng
RT: 15.109 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



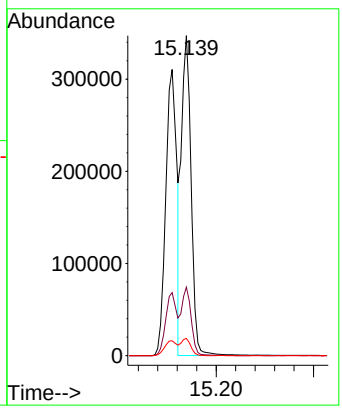


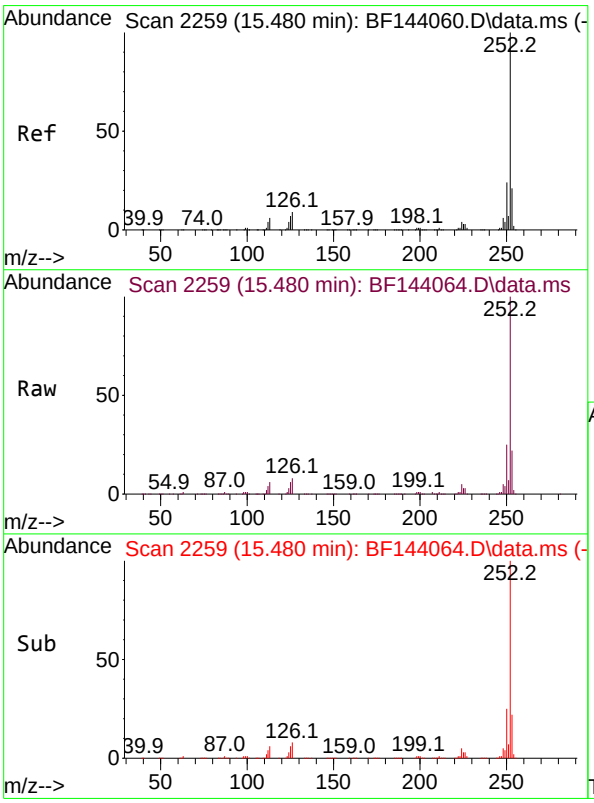
#89
Benzo(k)fluoranthene
Concen: 66.551 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

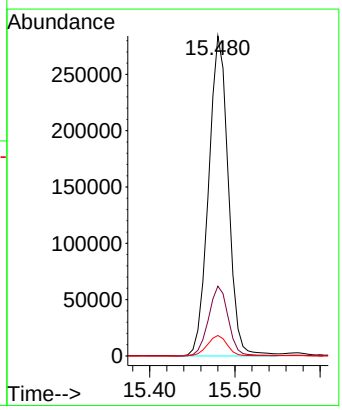


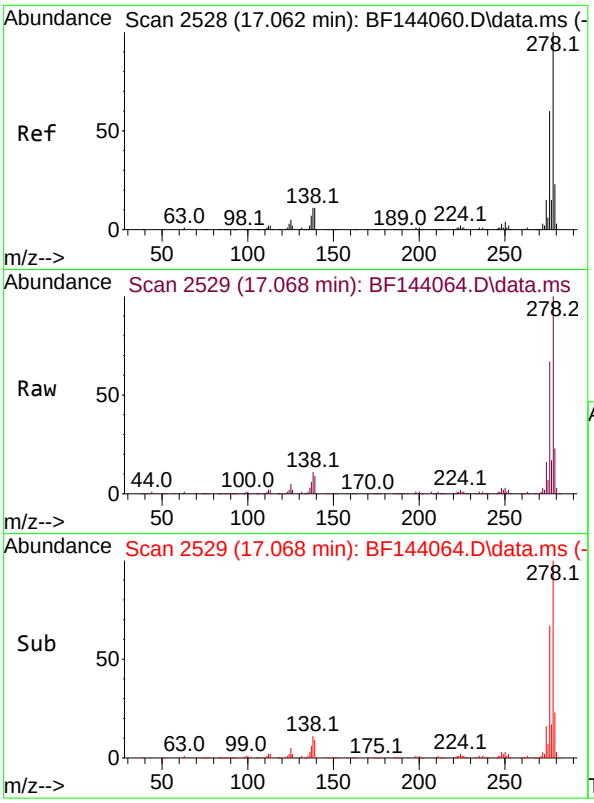


#90
Benzo(a)pyrene
Concen: 64.222 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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



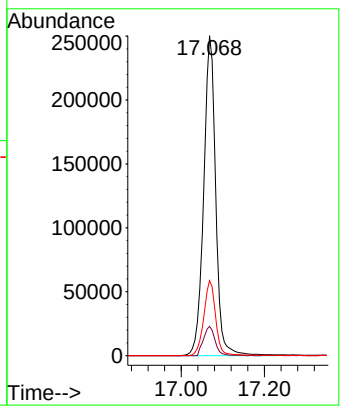


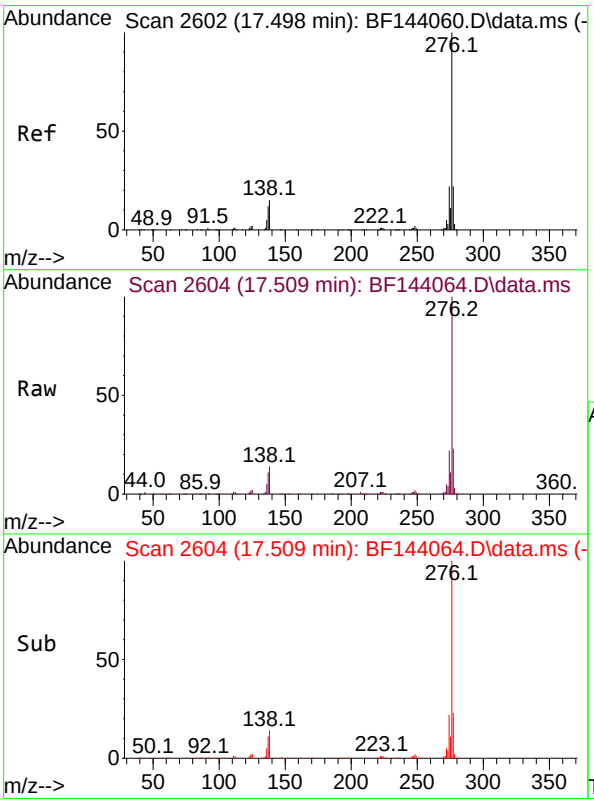
#91
Dibenzo(a,h)anthracene
Concen: 65.994 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

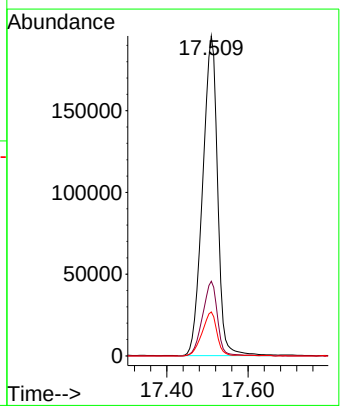




#92
Benzo(g,h,i)perylene
Concen: 65.439 ng
RT: 17.509 min Scan# 2604
Delta R.T. 0.012 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

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

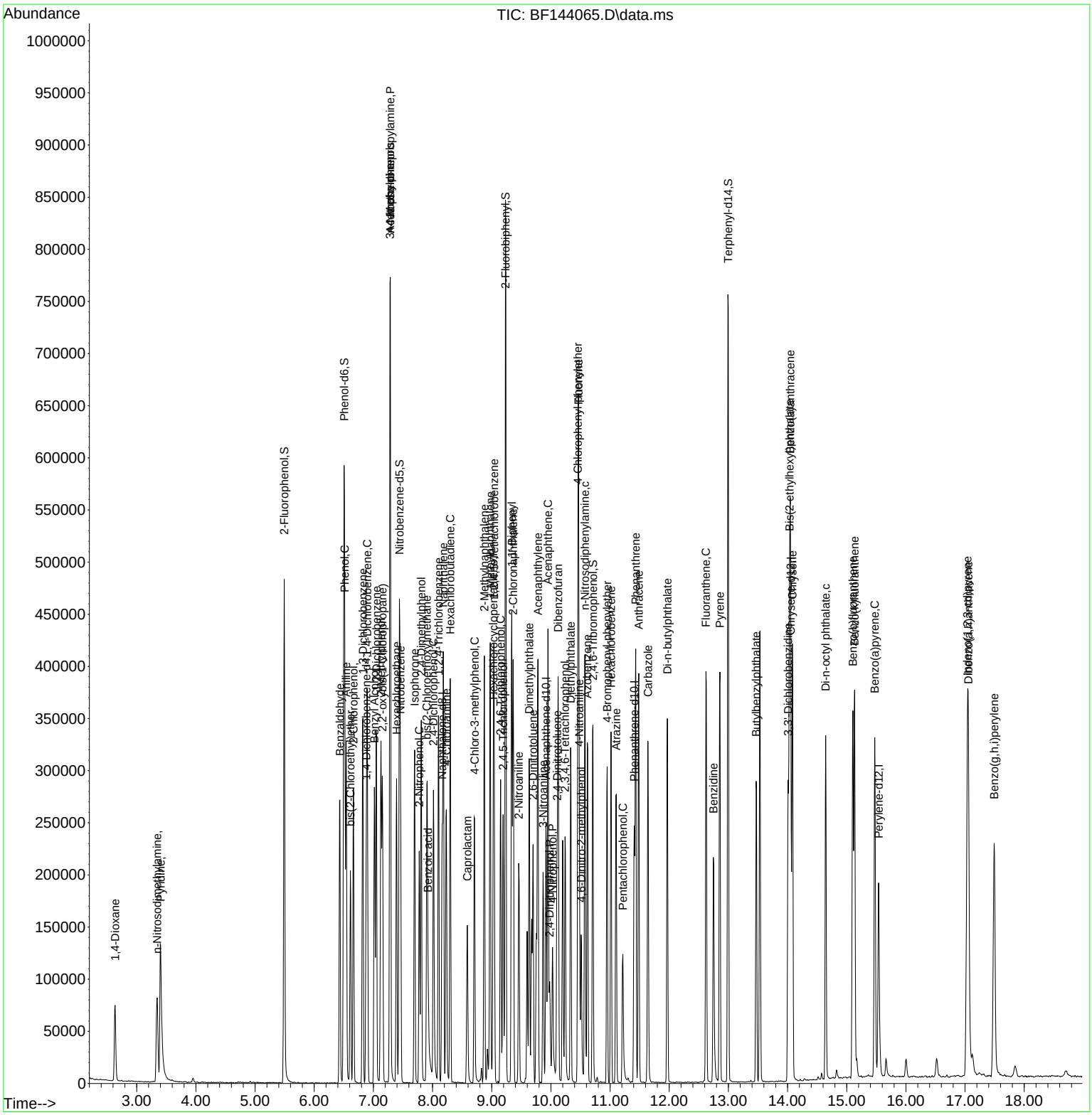
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	64300	36.018	ng		94
46) 1,1'-Biphenyl	9.339	154	192660	35.345	ng		99
47) 2-Chloronaphthalene	9.363	162	159410	34.908	ng		99
48) 2-Nitroaniline	9.457	65	49659	36.621	ng		95
49) Acenaphthylene	9.781	152	243055	39.474	ng		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

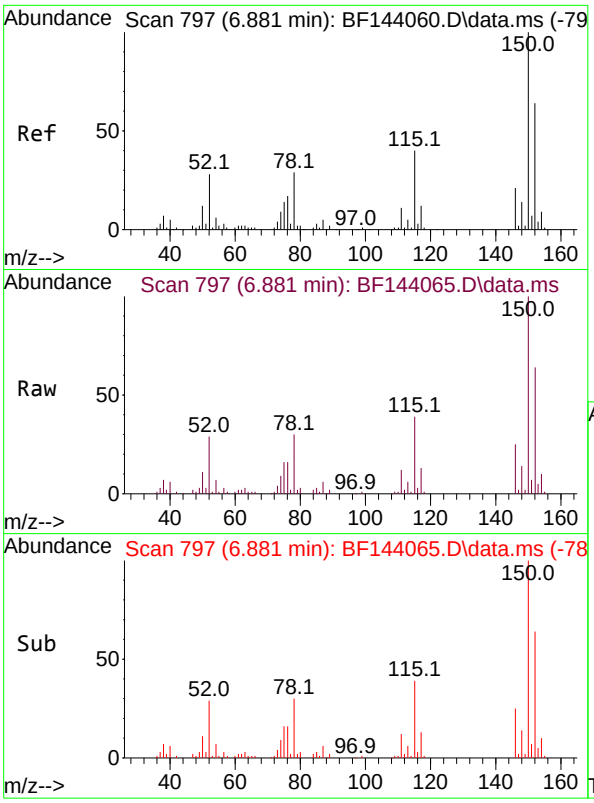
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



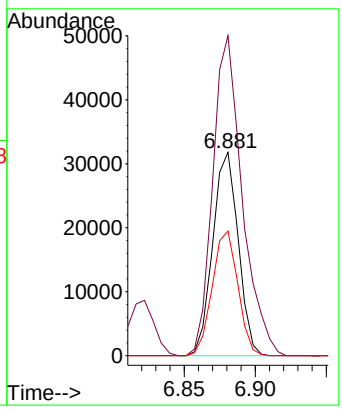


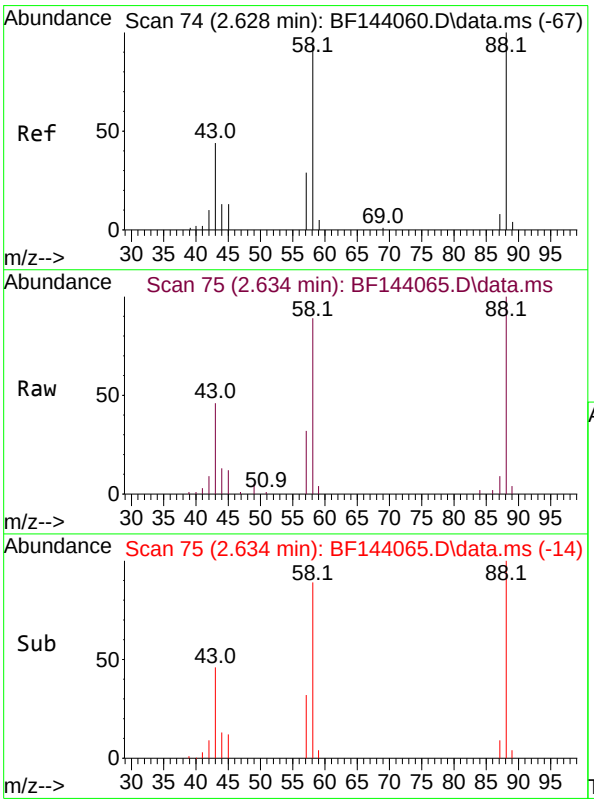
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

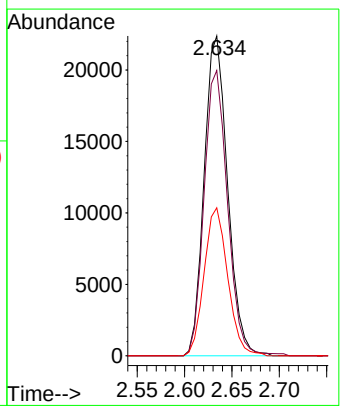


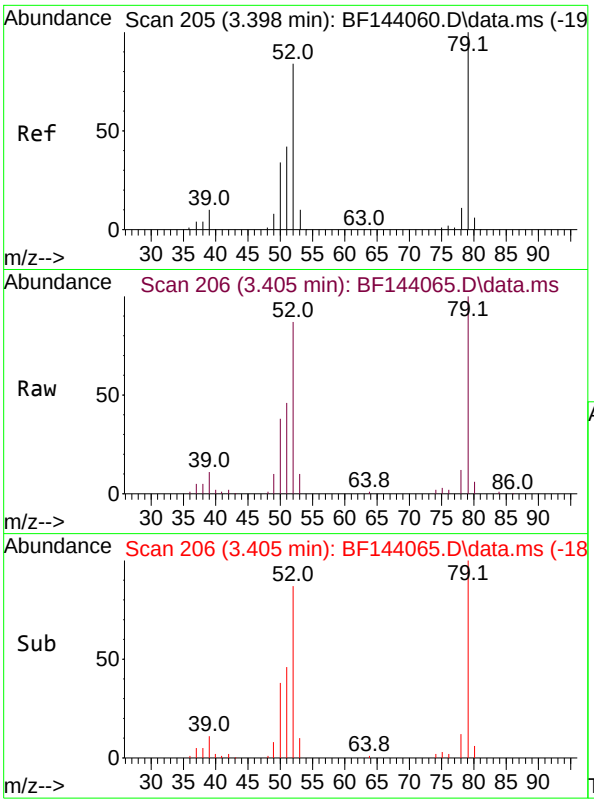


#2
1,4-Dioxane
Concen: 35.621 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



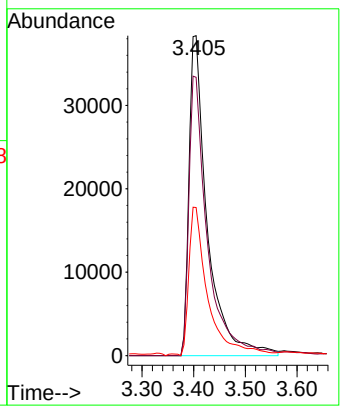


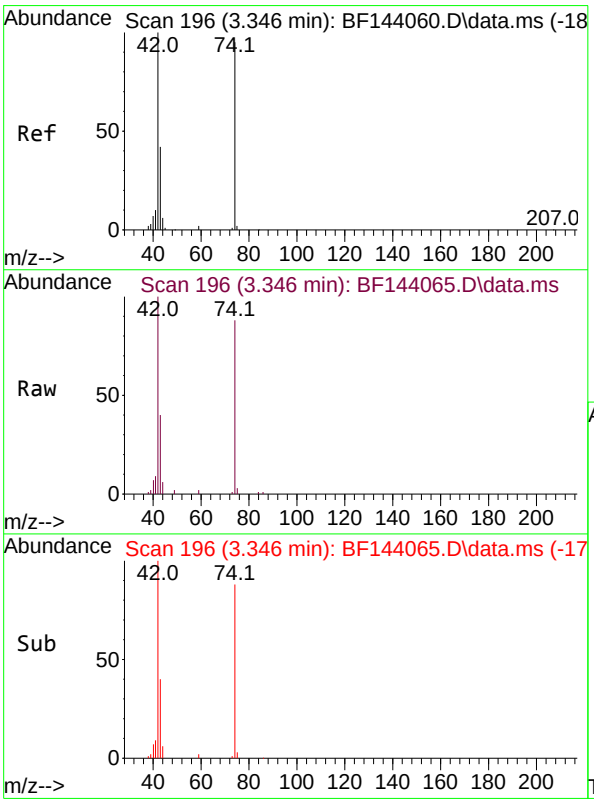
#3
Pyridine
Concen: 32.576 ng
RT: 3.405 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

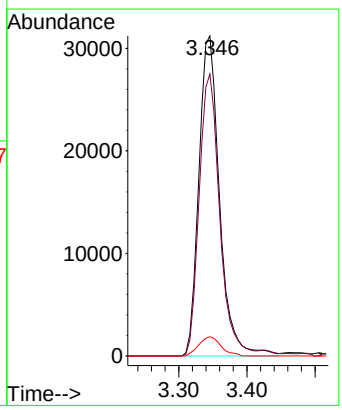


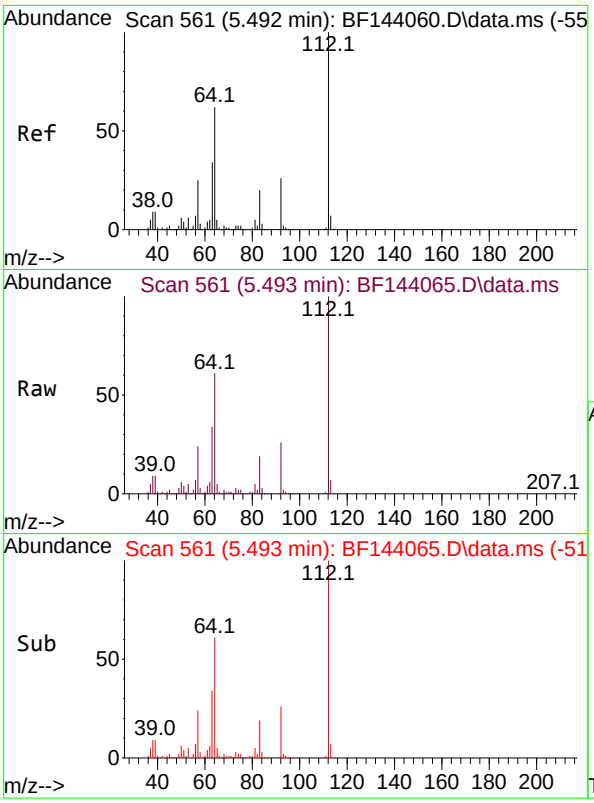


#4
n-Nitrosodimethylamine
Concen: 36.893 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



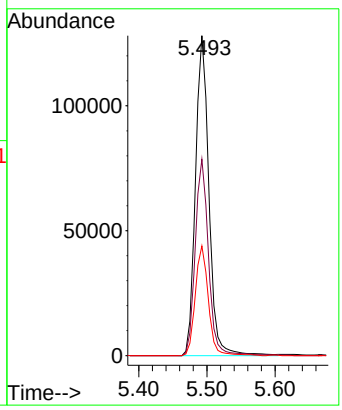


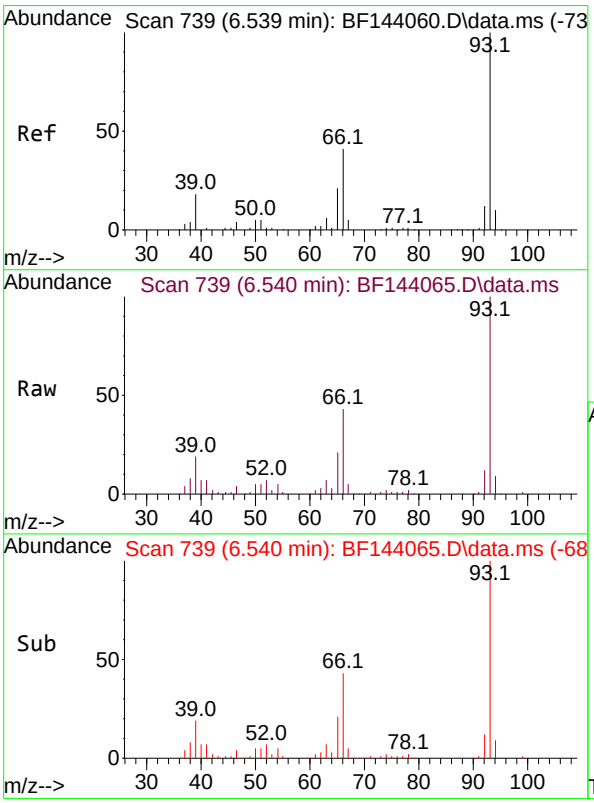
#5
2-Fluorophenol
Concen: 70.283 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

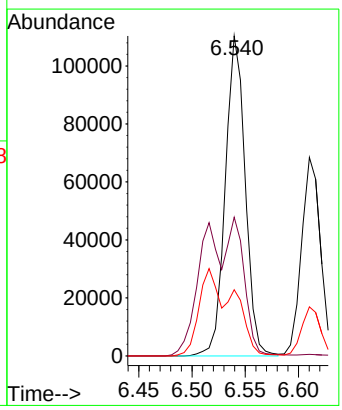


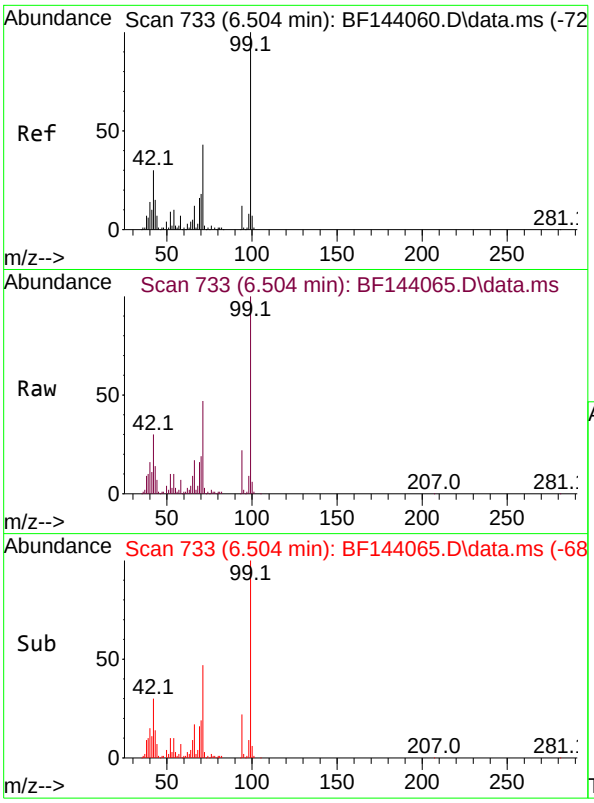


#6
Aniline
Concen: 36.320 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



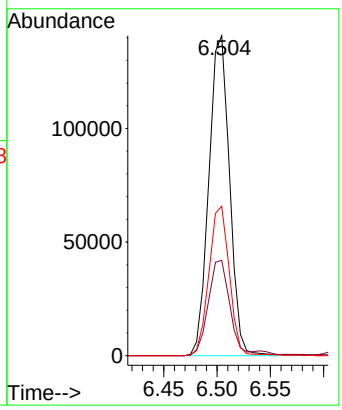


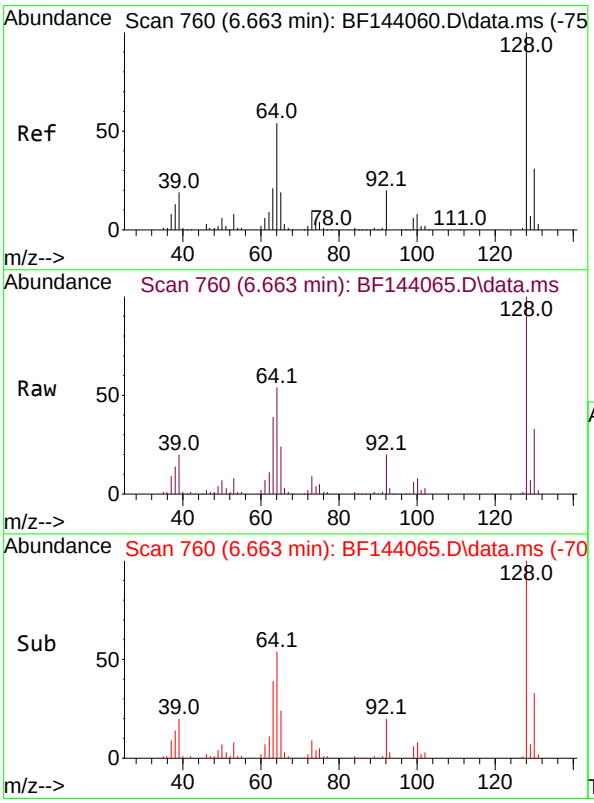
#7
Phenol-d6
Concen: 68.955 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

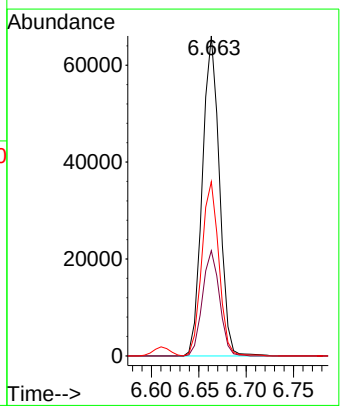


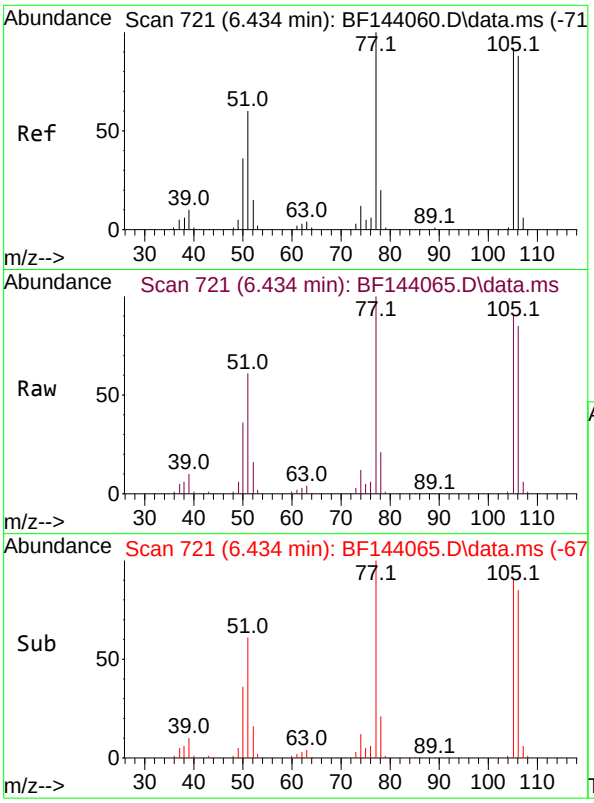


#8
2-Chlorophenol
Concen: 33.579 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



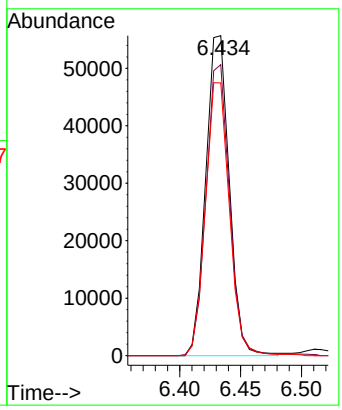


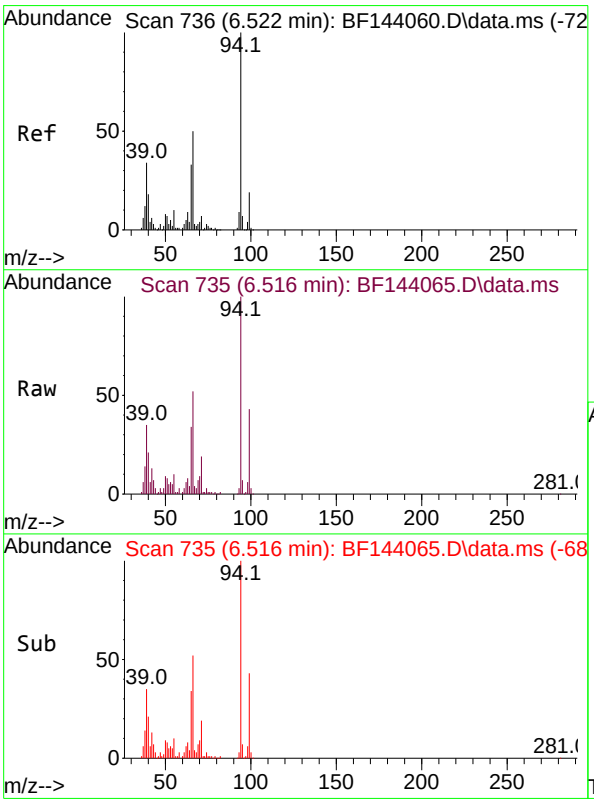
#9
Benzaldehyde
Concen: 34.852 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

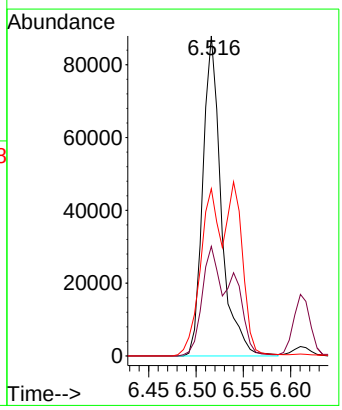


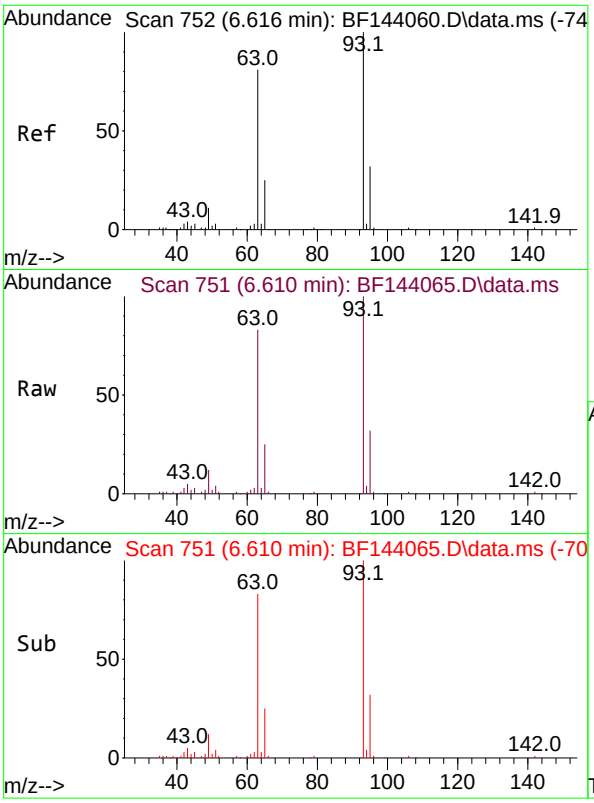


#10
Phenol
Concen: 34.853 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



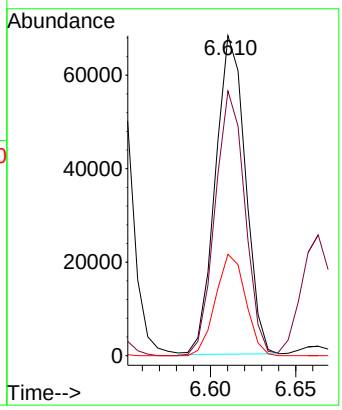


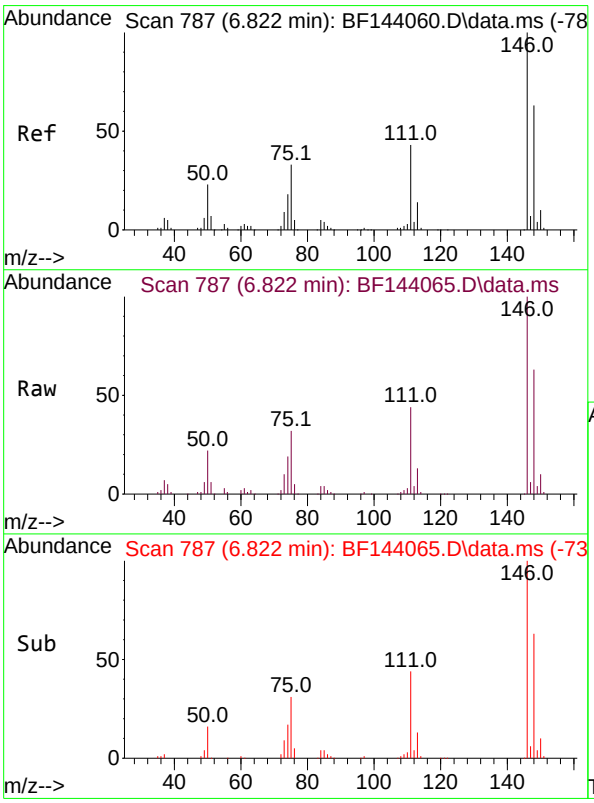
#11
bis(2-Chloroethyl)ether
Concen: 33.851 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

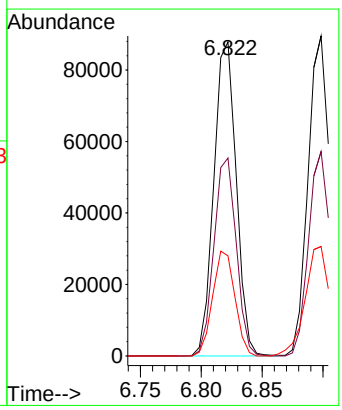


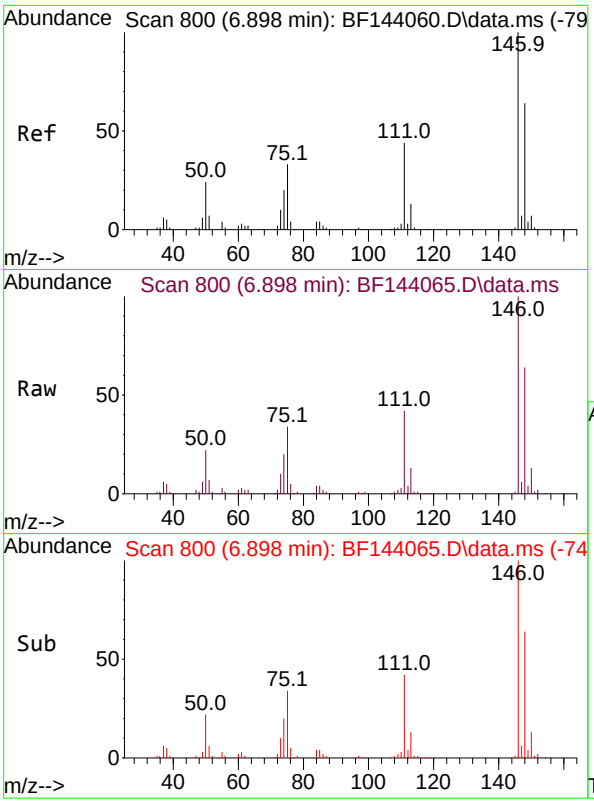


#12
1,3-Dichlorobenzene
Concen: 36.971 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



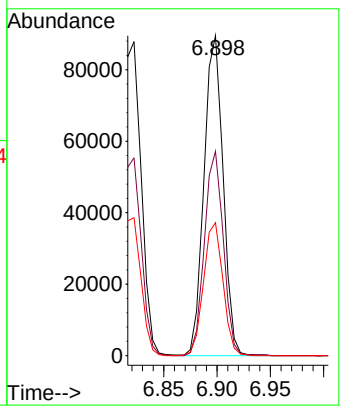


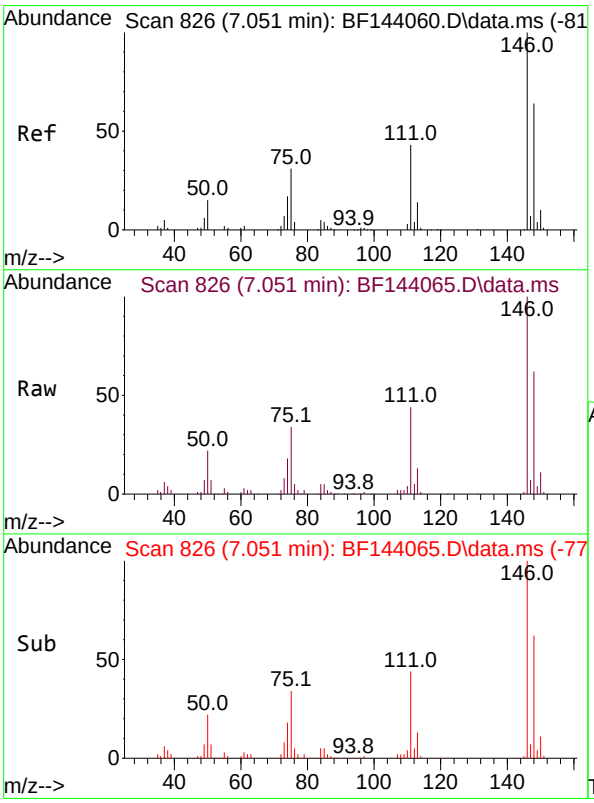
#13
1,4-Dichlorobenzene
Concen: 37.183 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

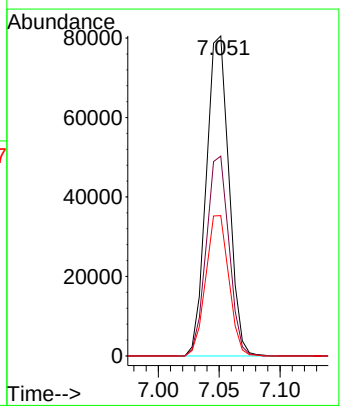


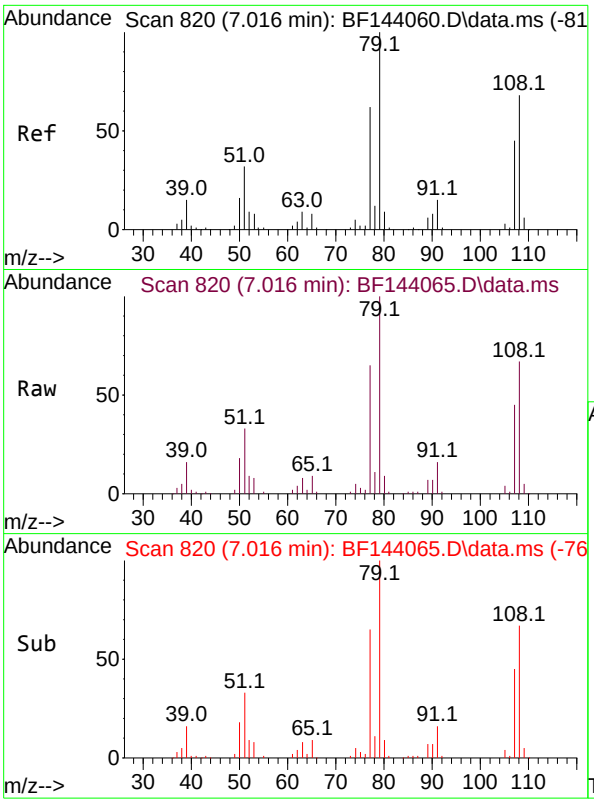


#14
1,2-Dichlorobenzene
Concen: 35.872 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



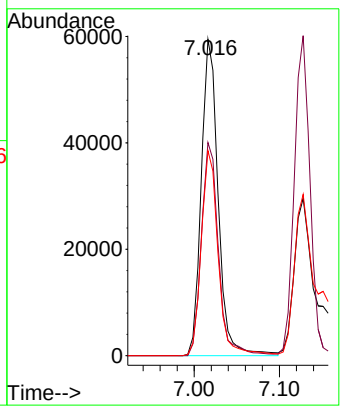


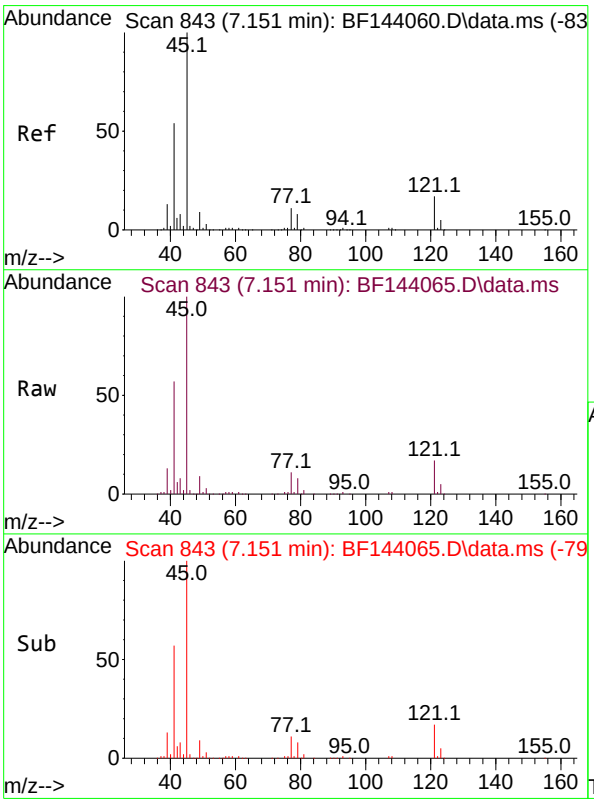
#15
Benzyl Alcohol
Concen: 36.330 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

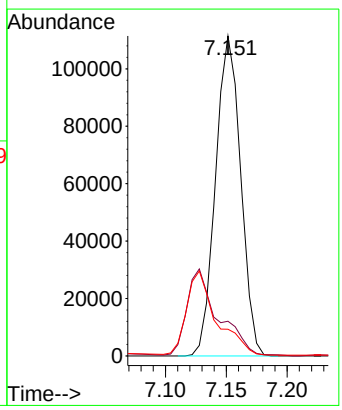


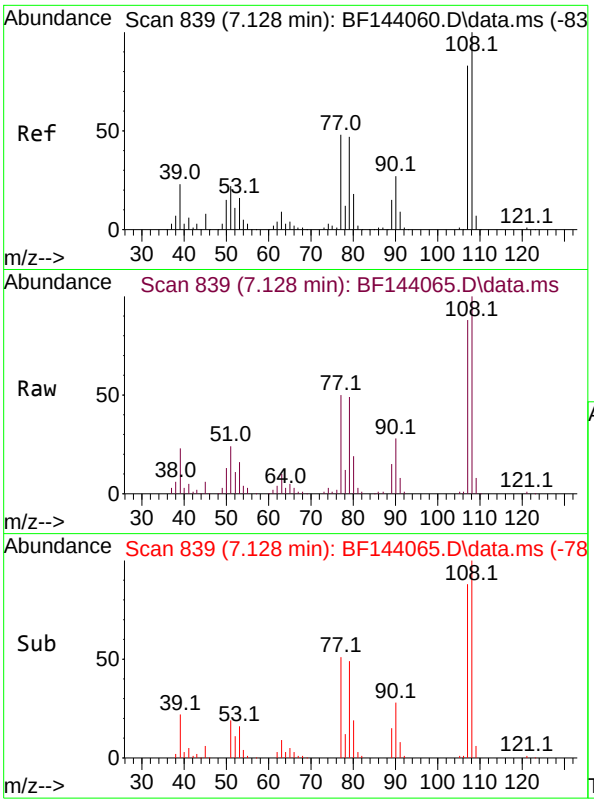


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.517 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



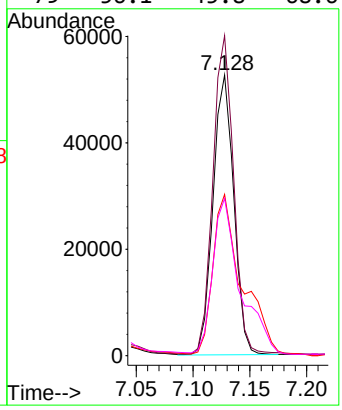


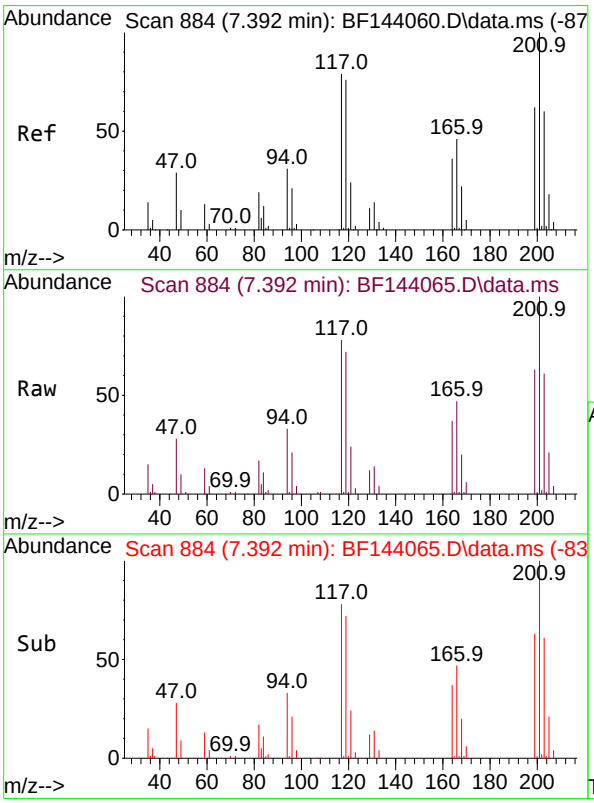
#17
2-Methylphenol
Concen: 35.152 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

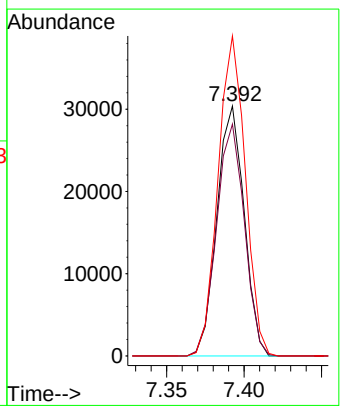


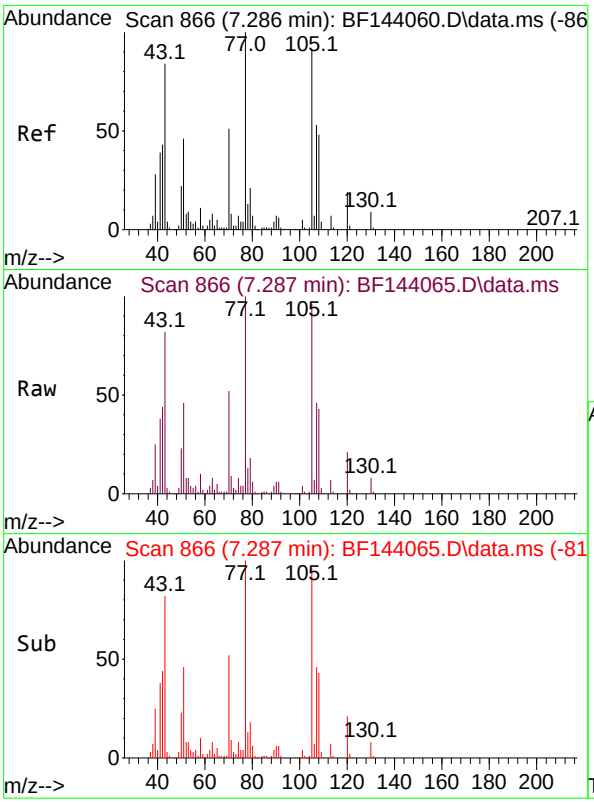


#18
Hexachloroethane
Concen: 34.696 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



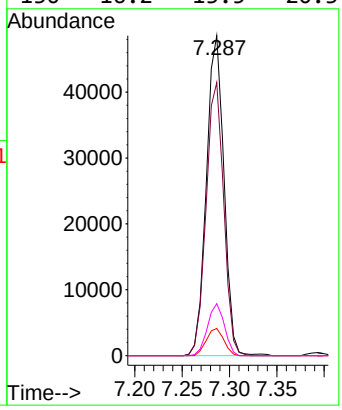


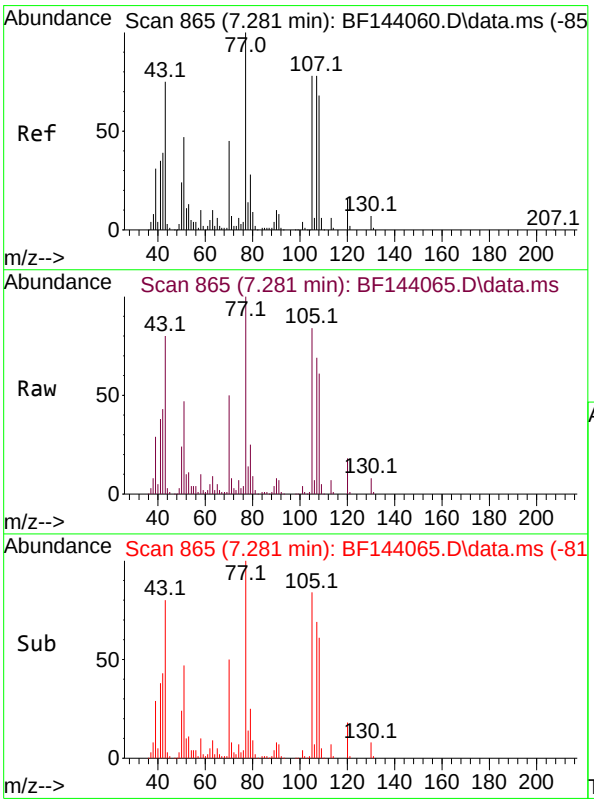
#19
n-Nitroso-di-n-propylamine
Concen: 35.002 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

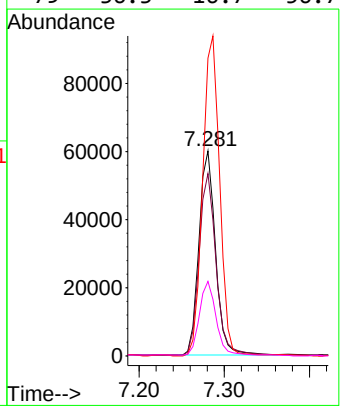


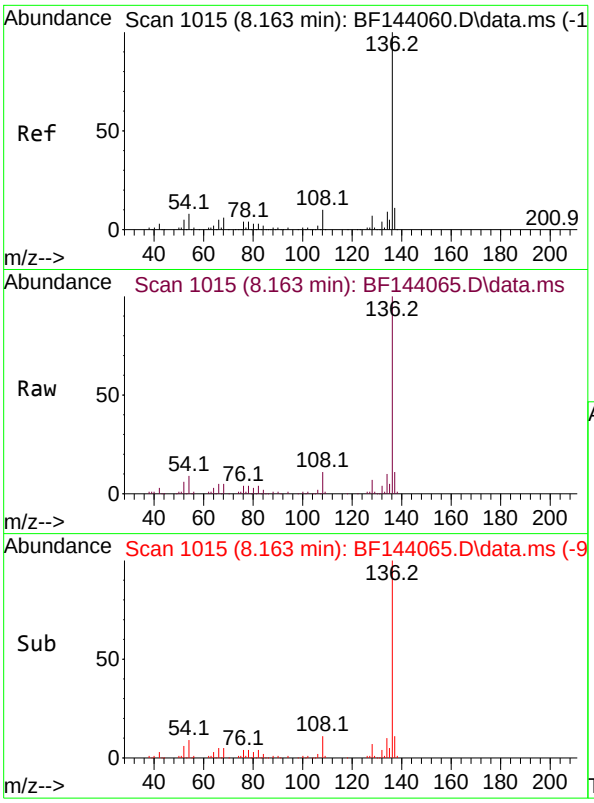


#20
3+4-Methylphenols
Concen: 36.095 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



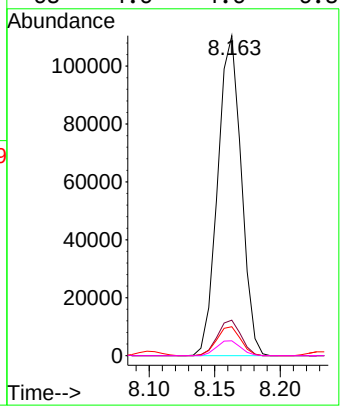


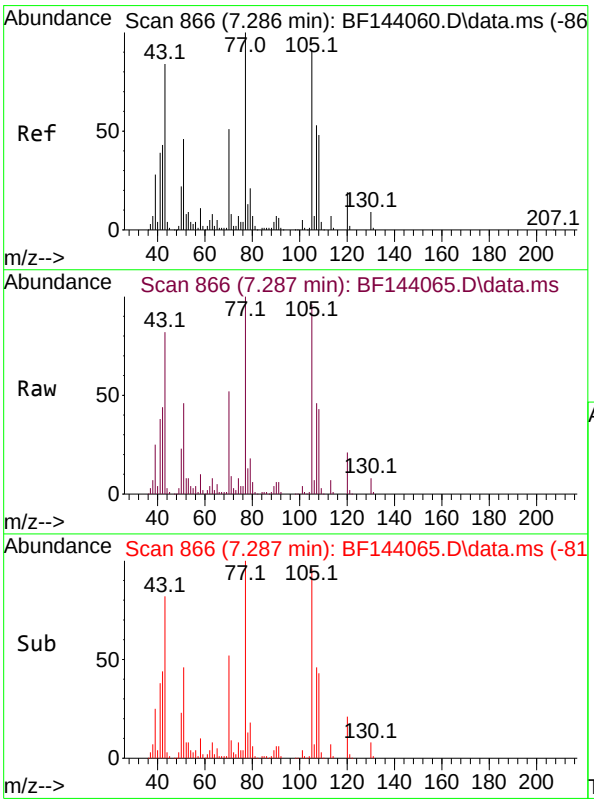
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

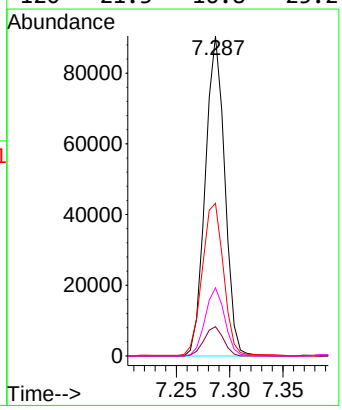


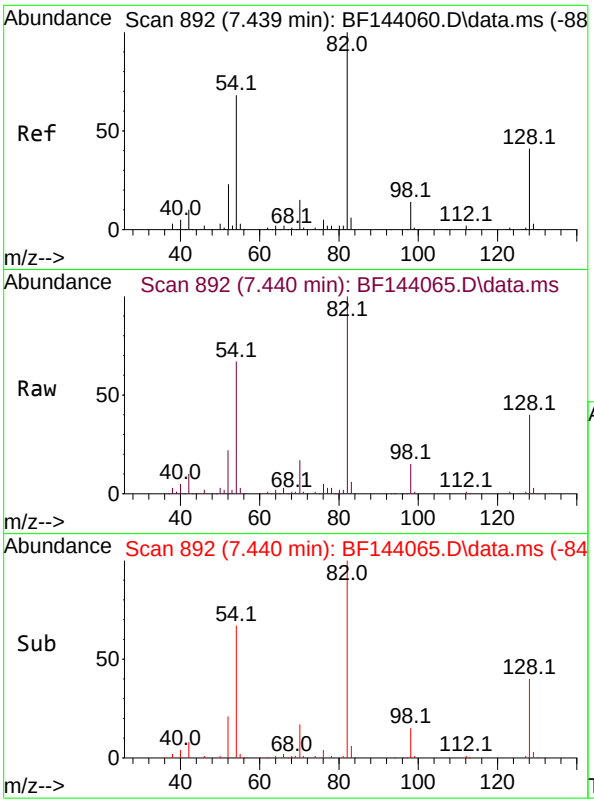


#22
Acetophenone
Concen: 38.453 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



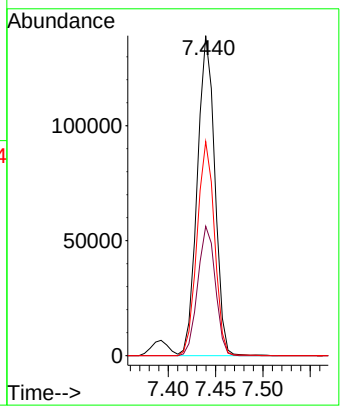


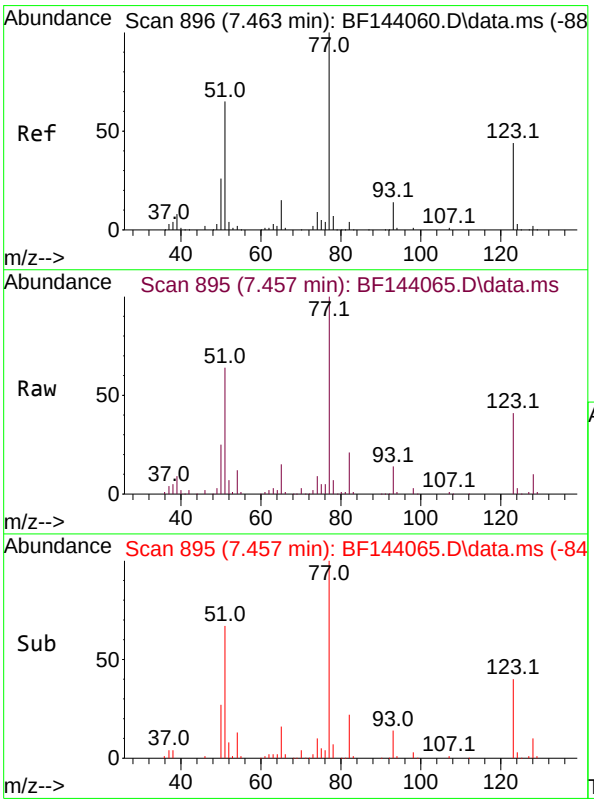
#23
Nitrobenzene-d5
Concen: 70.696 ng
RT: 7.440 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

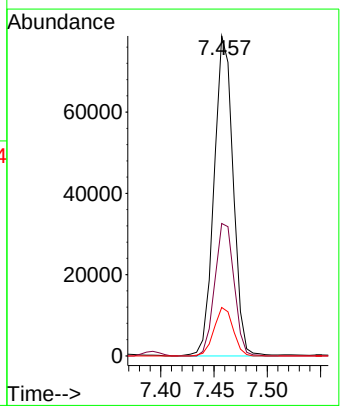


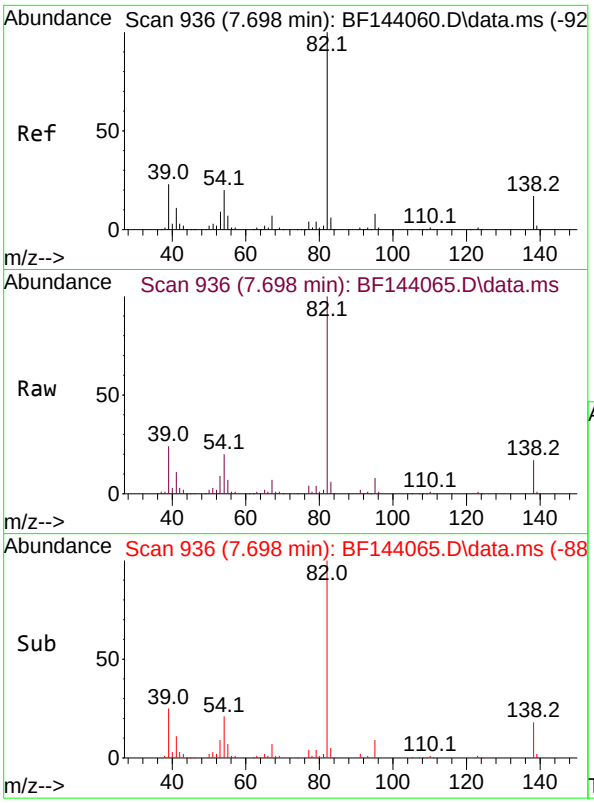


#24
Nitrobenzene
Concen: 36.753 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



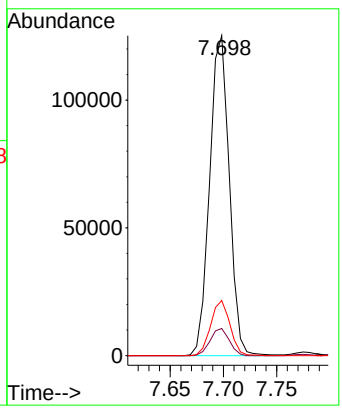


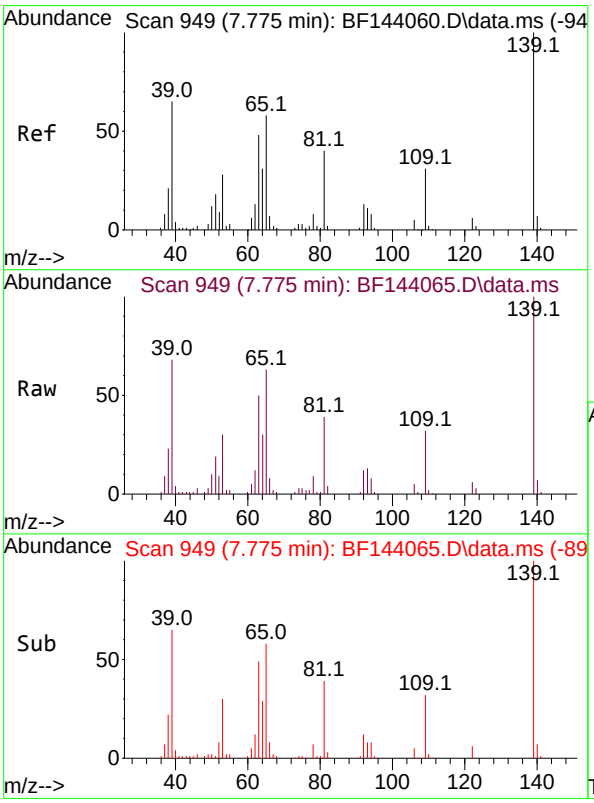
#25
Isophorone
Concen: 36.322 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

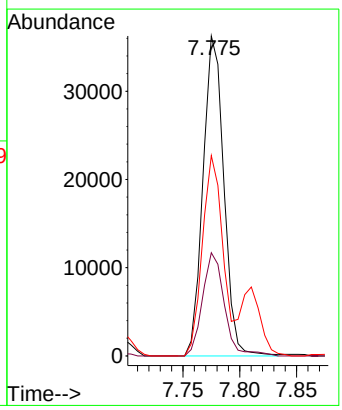


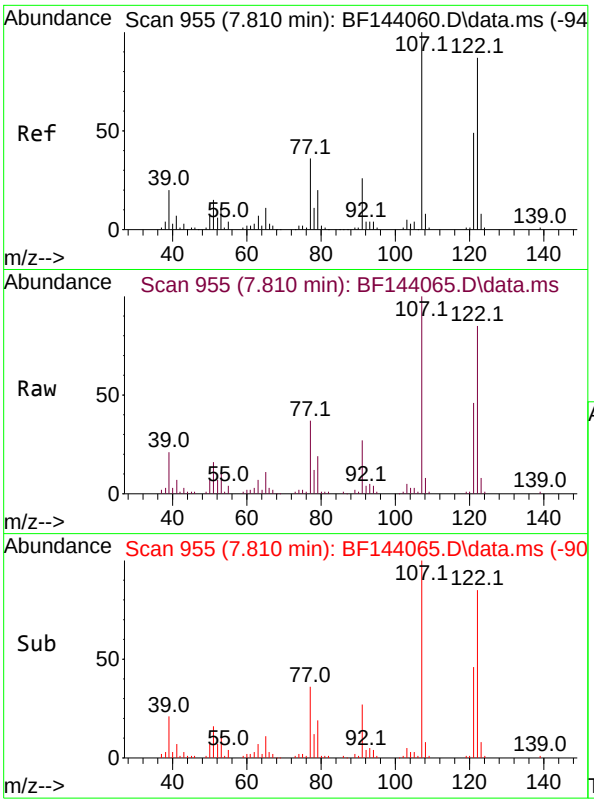


#26
2-Nitrophenol
Concen: 36.360 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



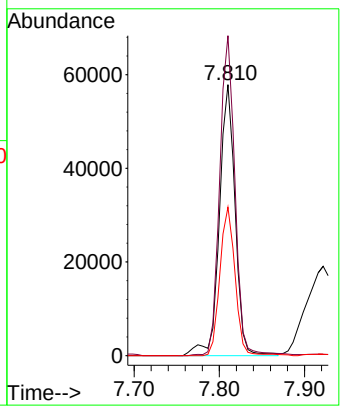


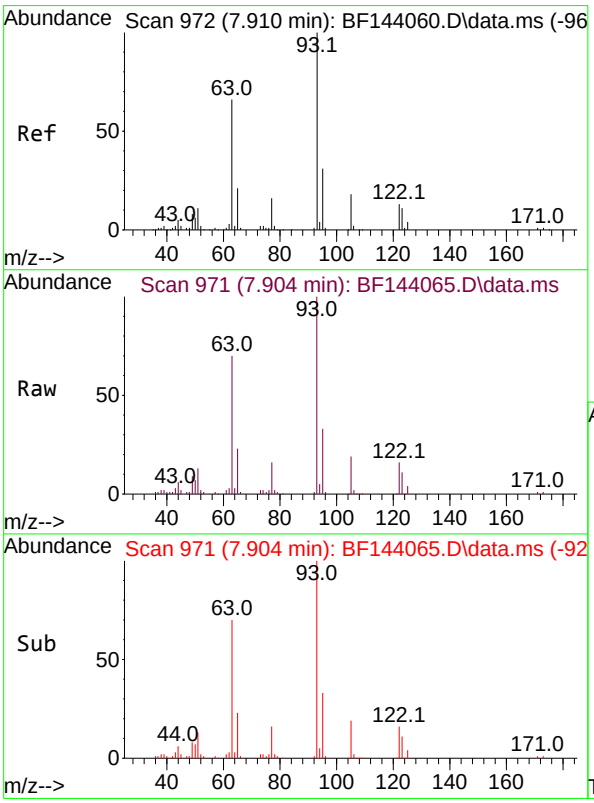
#27
2,4-Dimethylphenol
Concen: 39.405 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

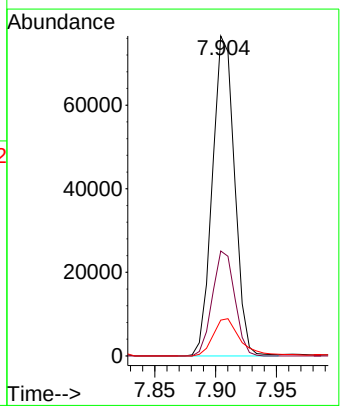


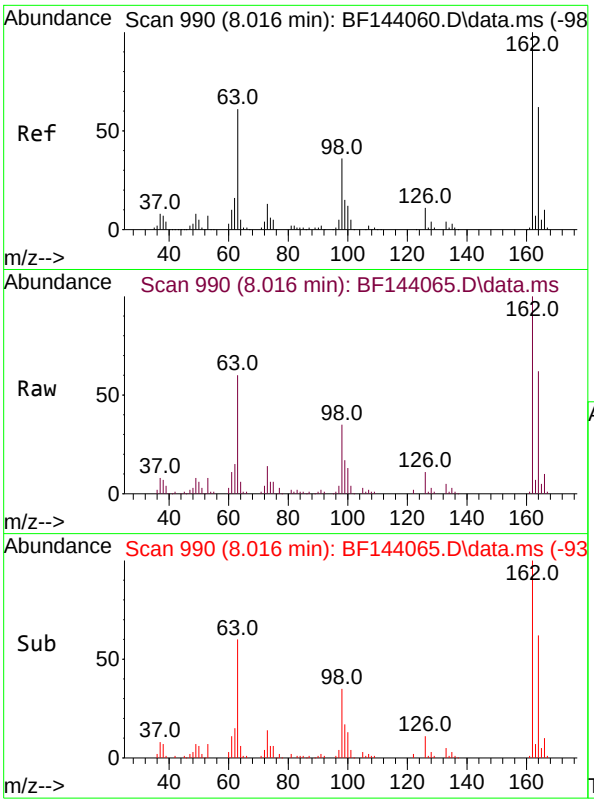


#28
bis(2-Chloroethoxy)methane
Concen: 35.182 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



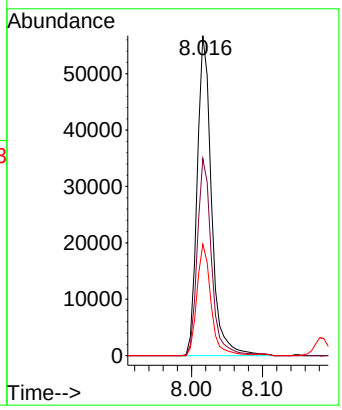


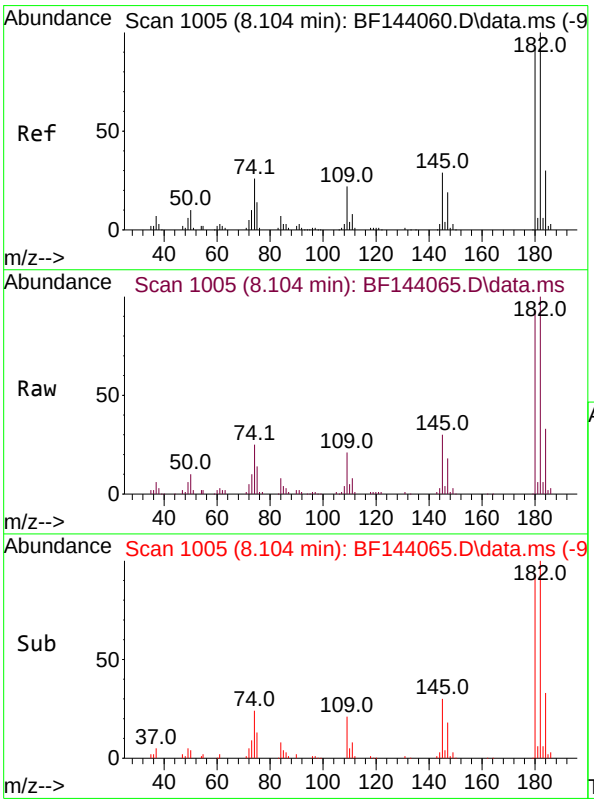
#29
2,4-Dichlorophenol
Concen: 35.901 ng
RT: 8.016 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

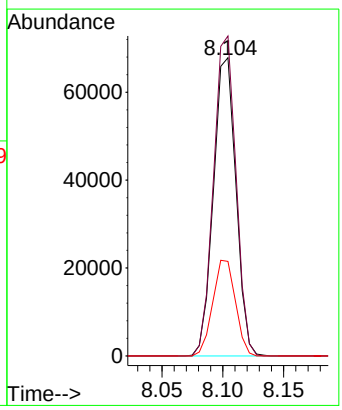


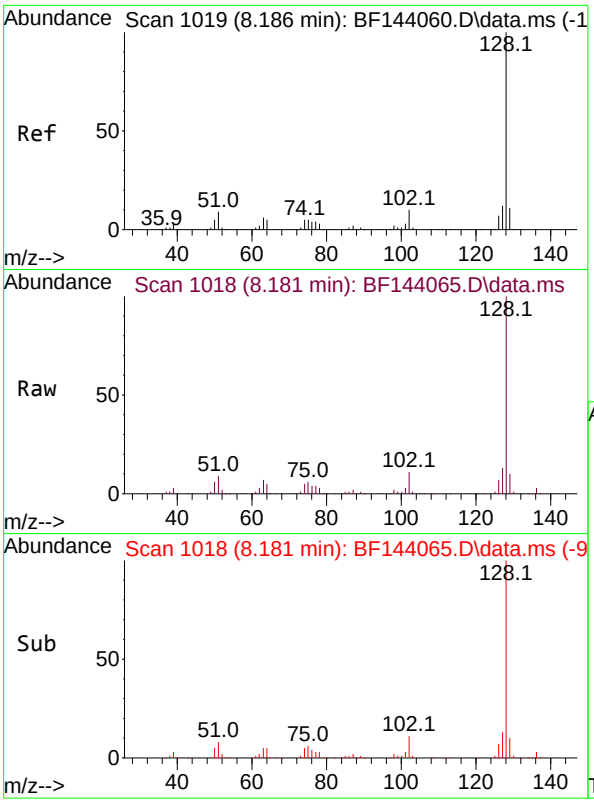


#30
1,2,4-Trichlorobenzene
Concen: 38.739 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



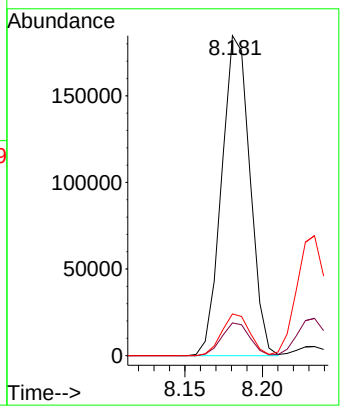


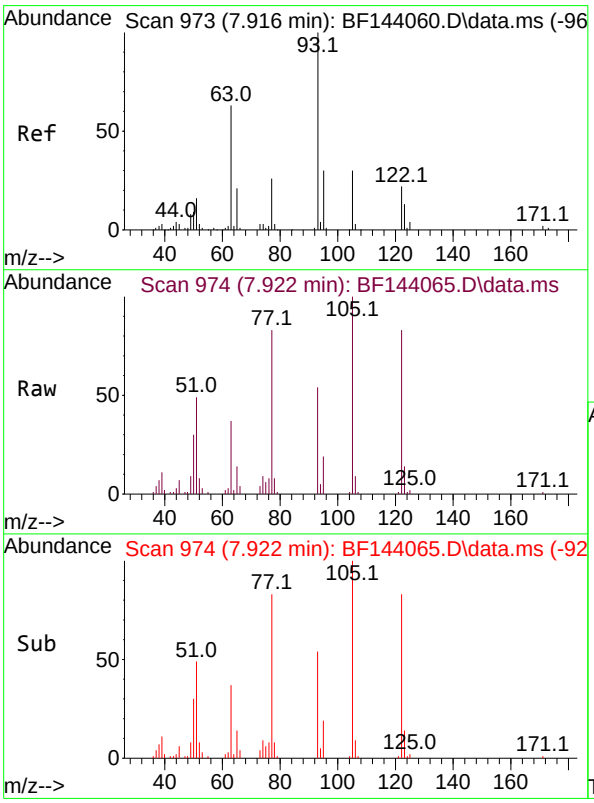
#31
Naphthalene
Concen: 35.834 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

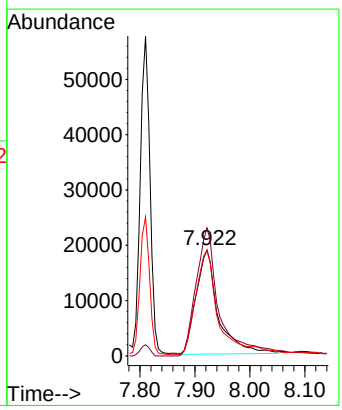


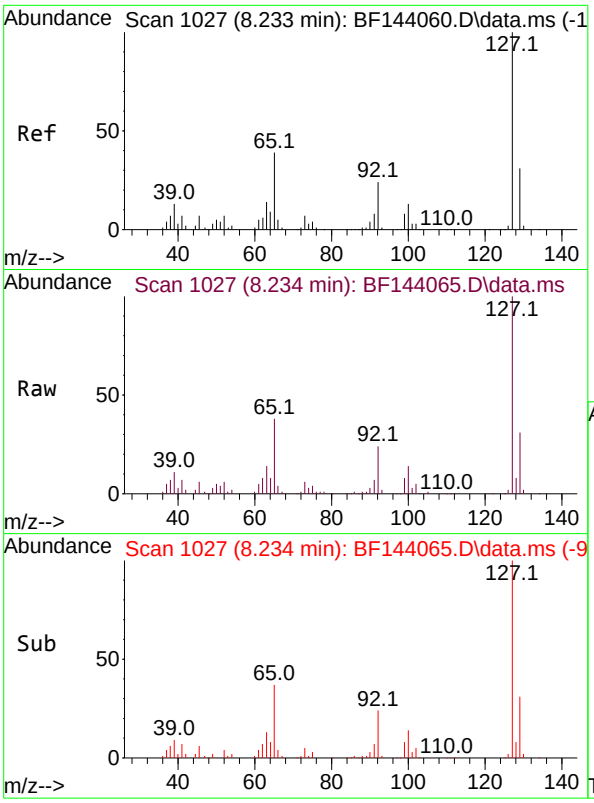


#32
Benzoic acid
Concen: 44.054 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



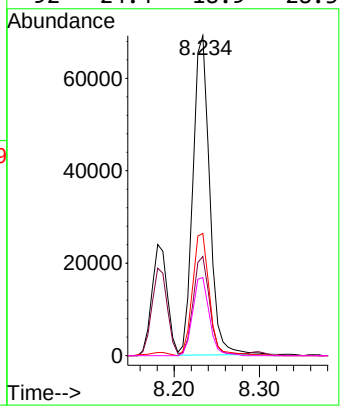


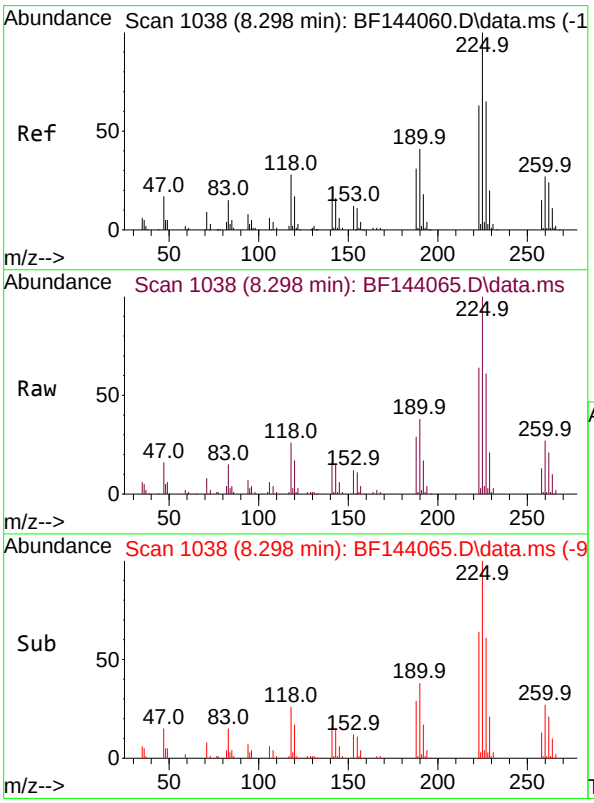
#33
4-Chloroaniline
Concen: 41.428 ng
RT: 8.234 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

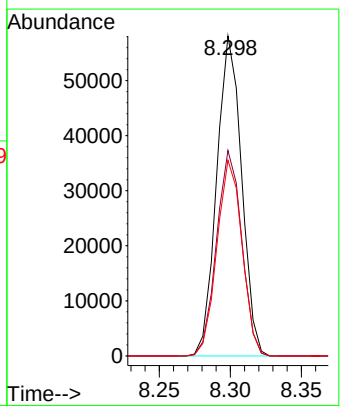


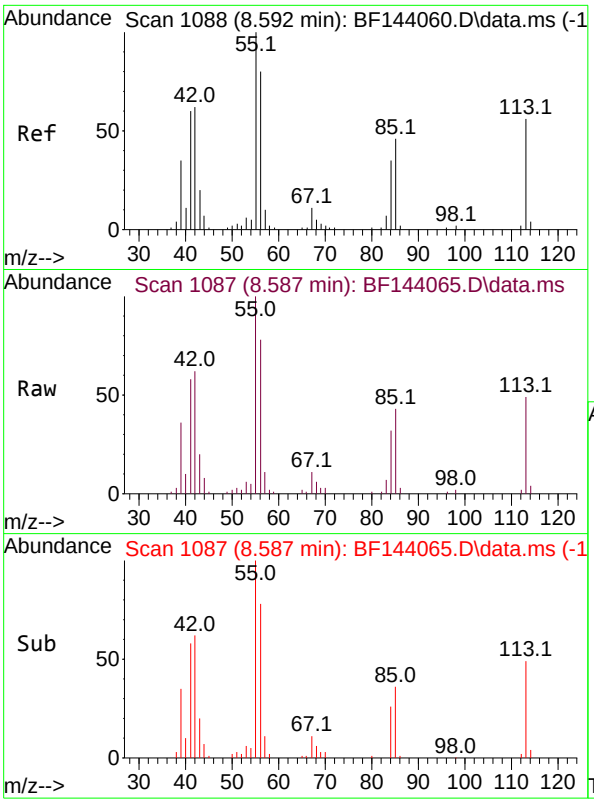


#34
Hexachlorobutadiene
Concen: 38.260 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



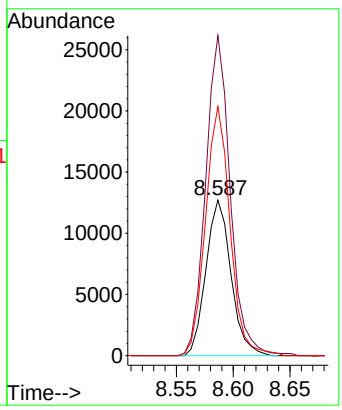


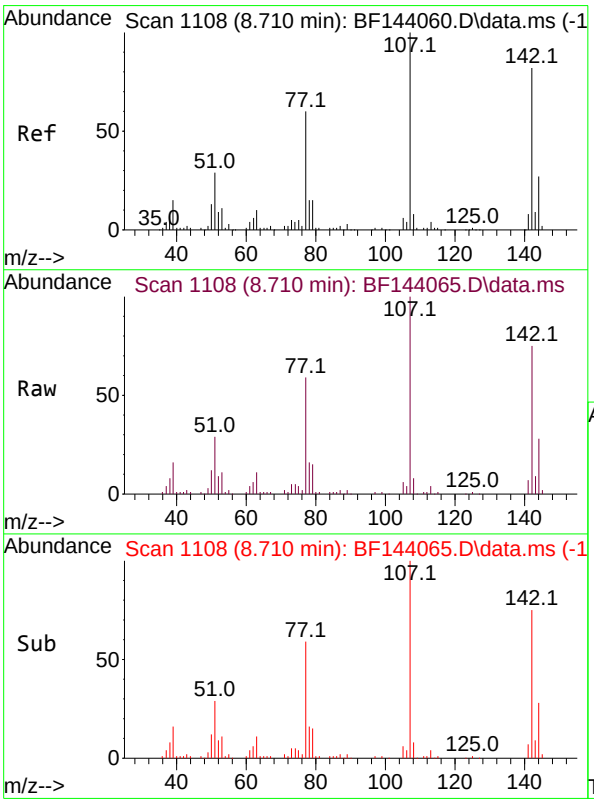
#35
Caprolactam
Concen: 35.331 ng
RT: 8.587 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

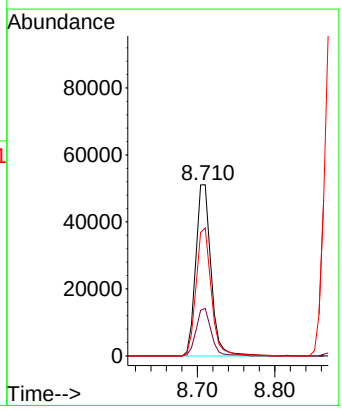


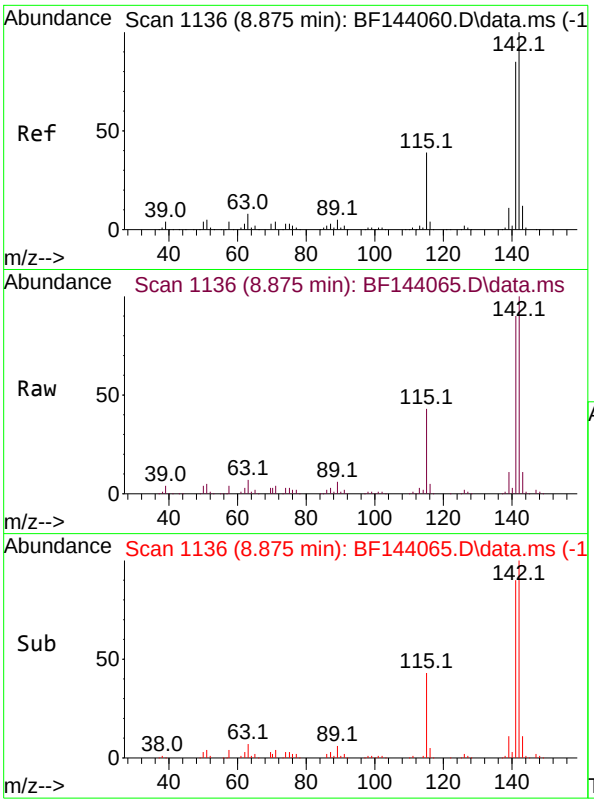


#36
4-Chloro-3-methylphenol
Concen: 36.112 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



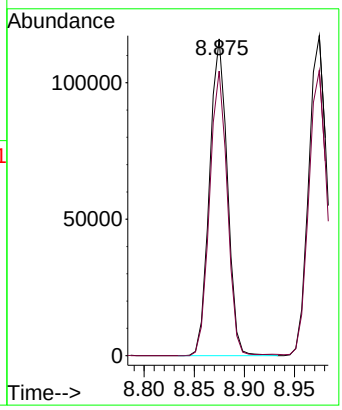


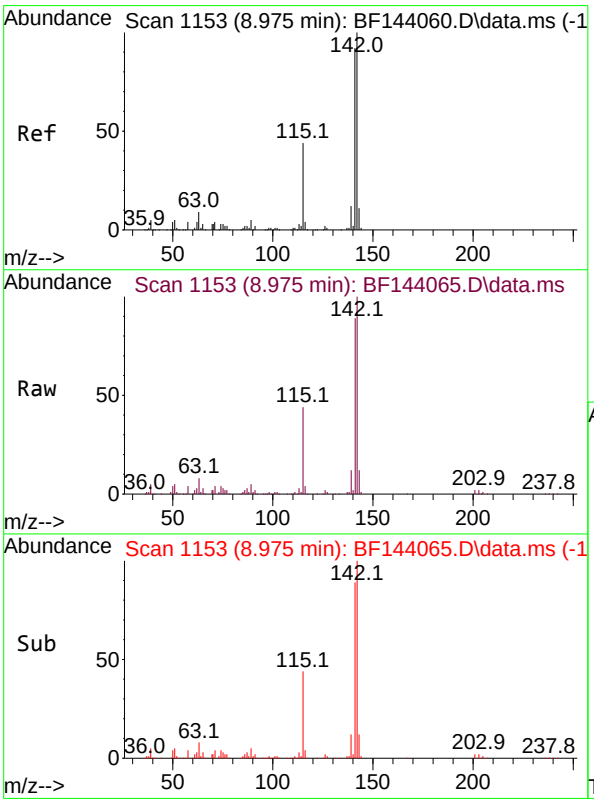
#37
2-Methylnaphthalene
Concen: 33.233 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Tgt Ion:142 Resp: 143296

Ion	Ratio	Lower	Upper
142	100		
141	89.8	67.6	101.4

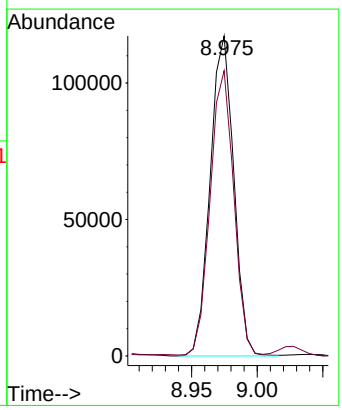


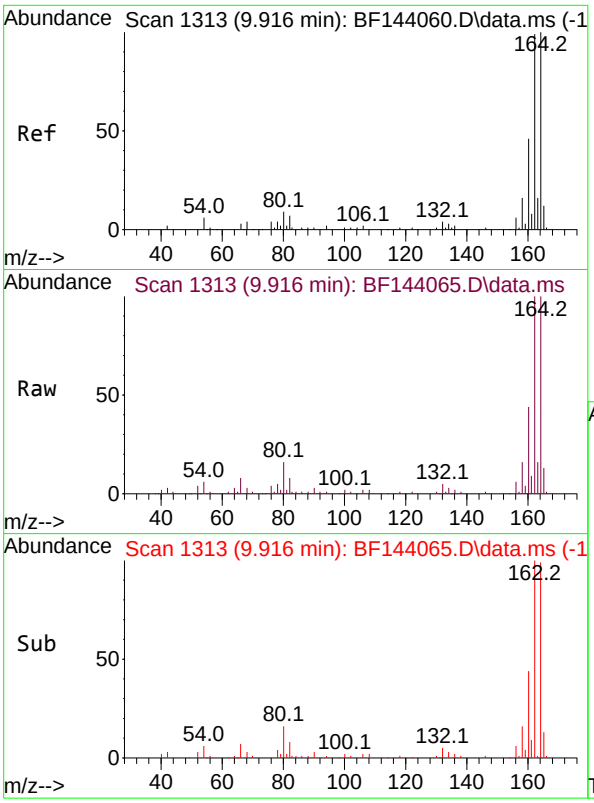


#38
1-Methylnaphthalene
Concen: 35.945 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:142 Resp: 146838

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.4	110.2



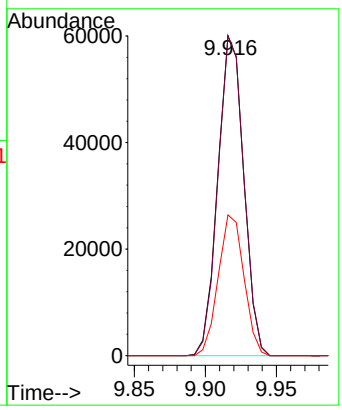


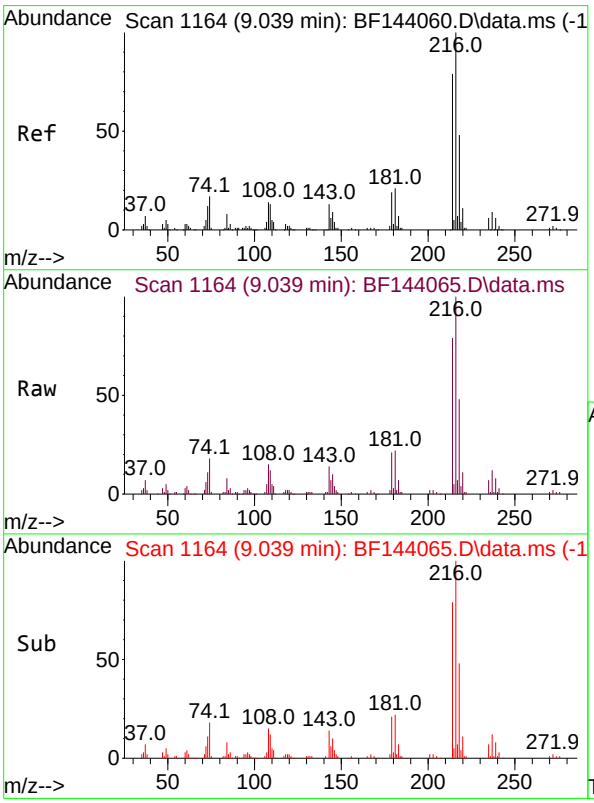
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

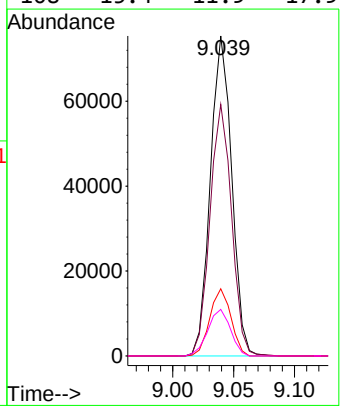


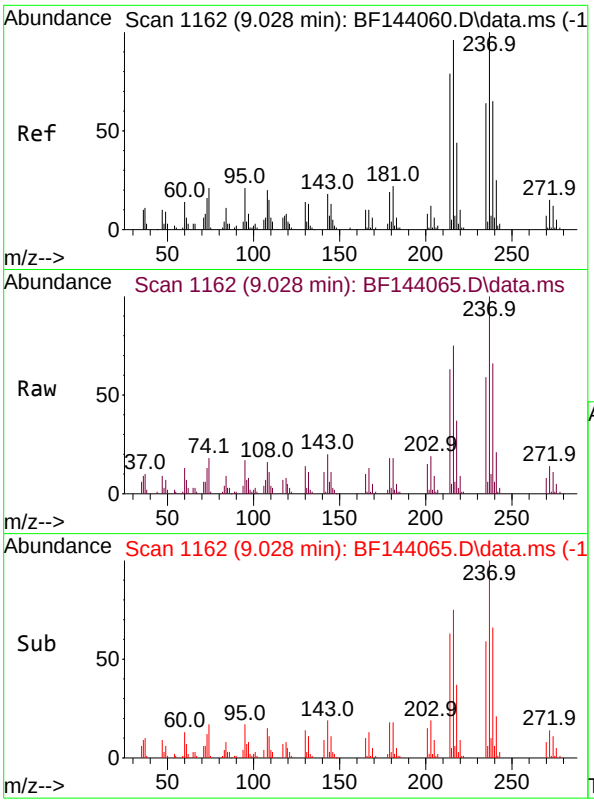


#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.121 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



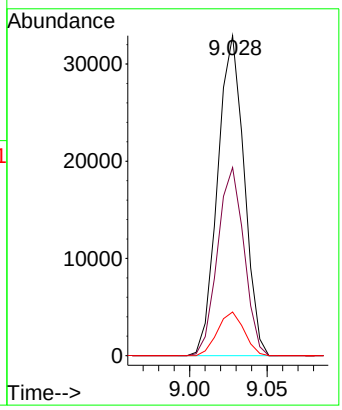


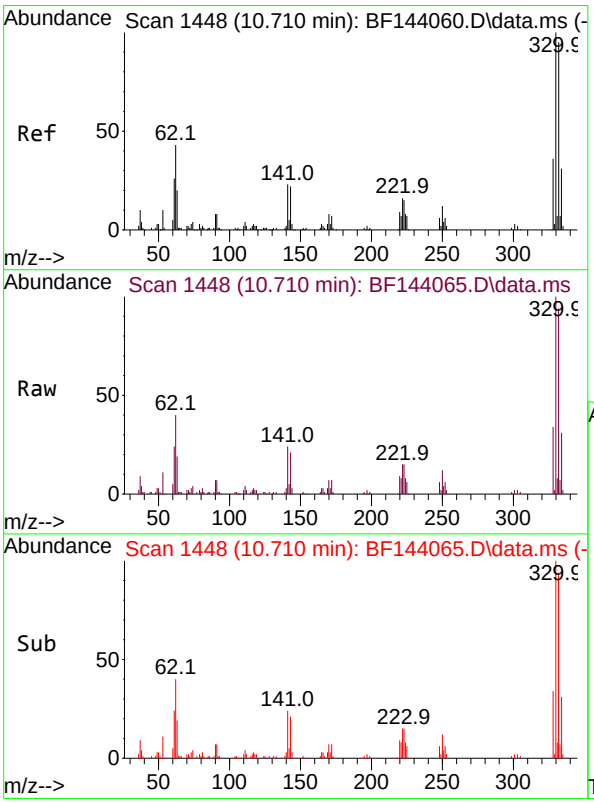
#41
Hexachlorocyclopentadiene
Concen: 48.585 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

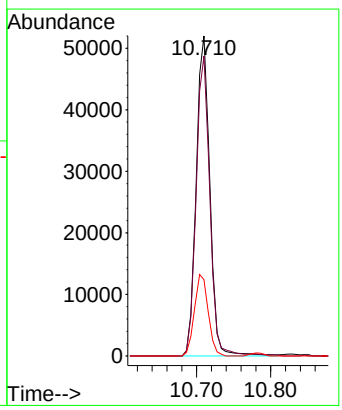


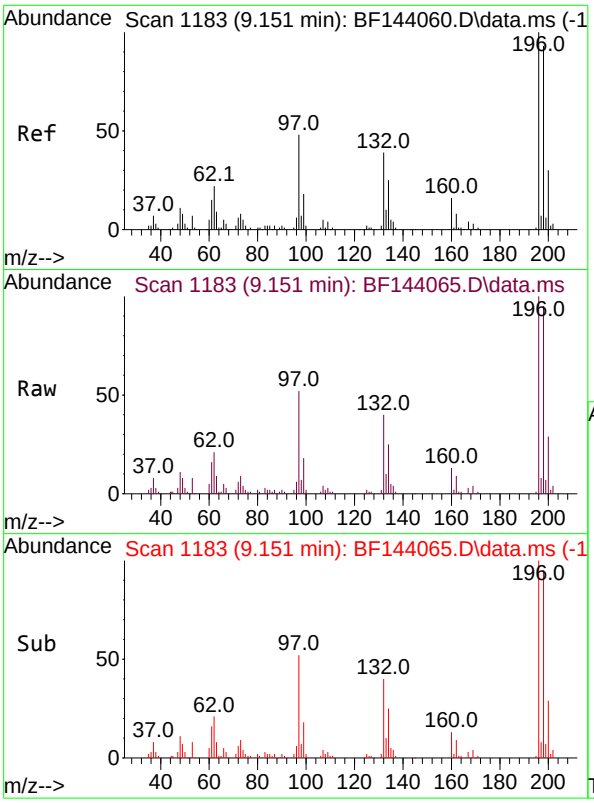


#42
2,4,6-Tribromophenol
Concen: 68.551 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



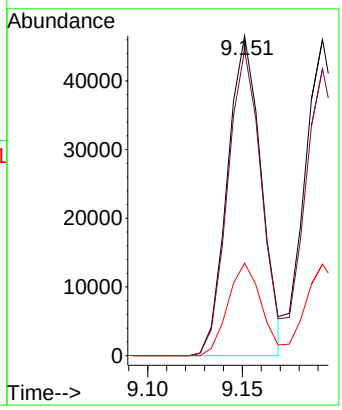


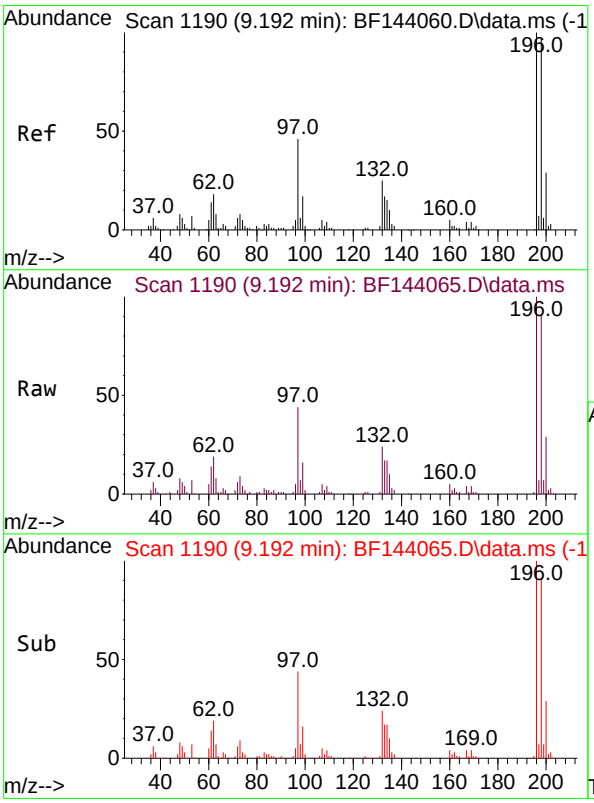
#43
2,4,6-Trichlorophenol
Concen: 33.986 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

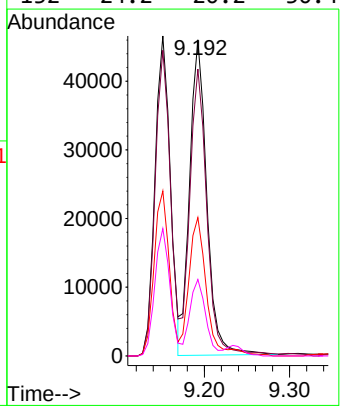


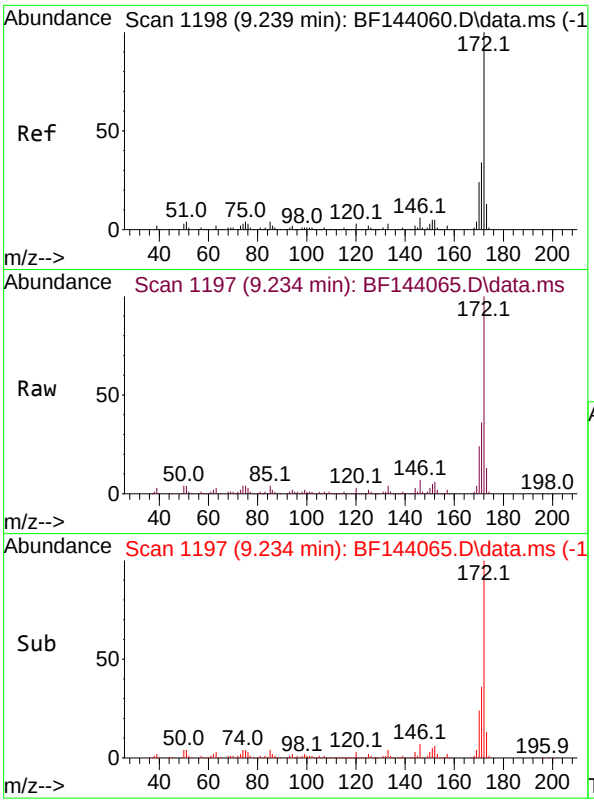


#44
2,4,5-Trichlorophenol
Concen: 36.018 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



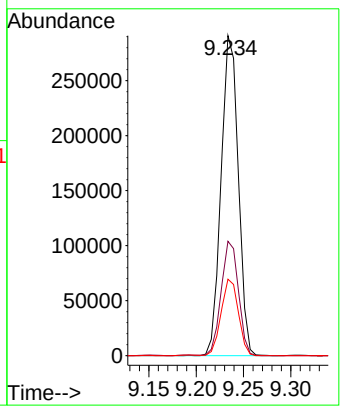


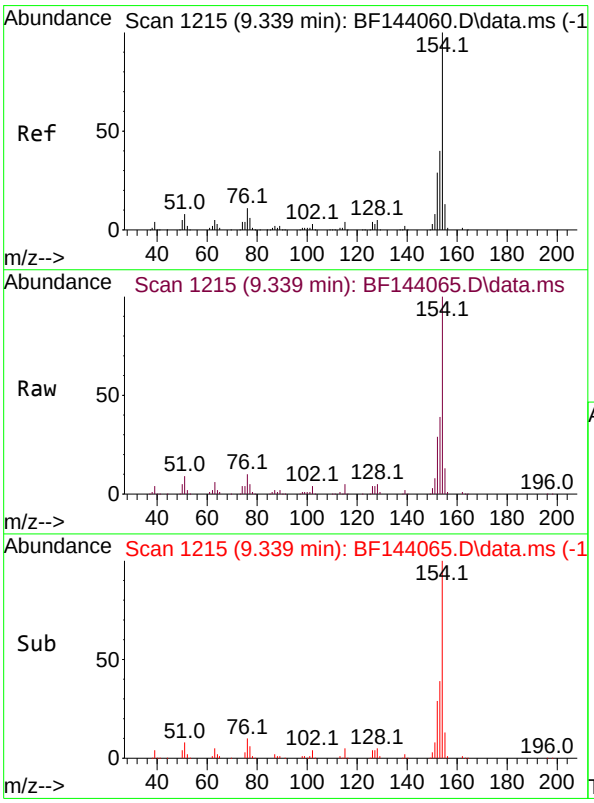
#45
2-Fluorobiphenyl
Concen: 67.717 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

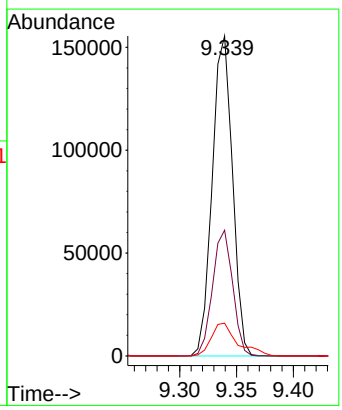


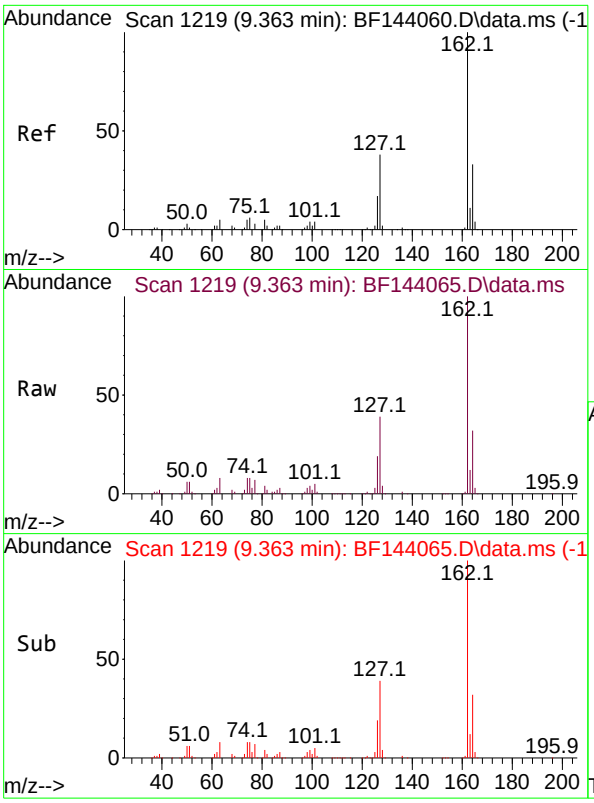


#46
1,1'-Biphenyl
Concen: 35.345 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



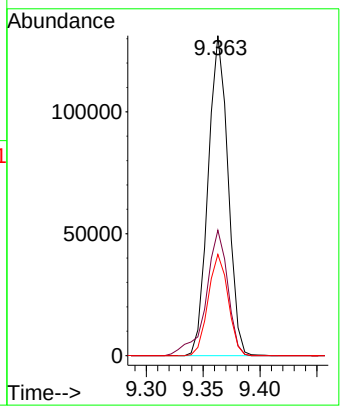


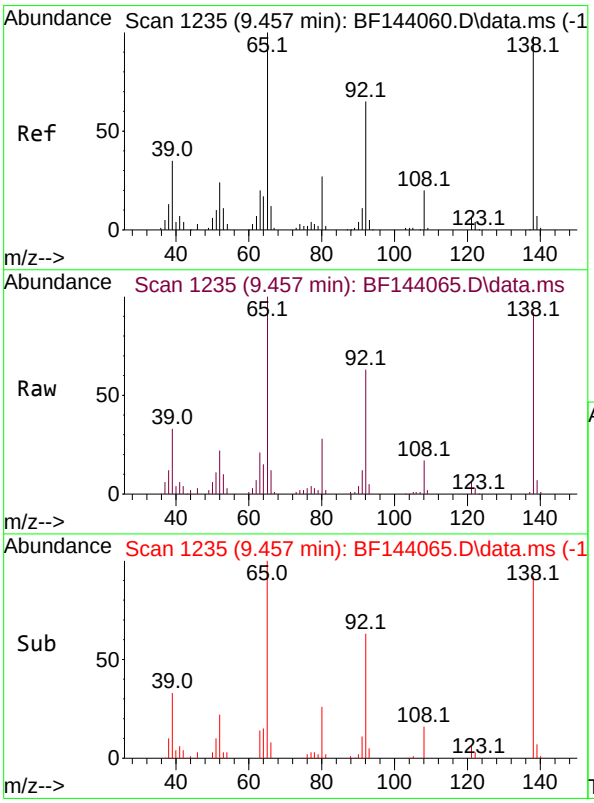
#47
2-Chloronaphthalene
Concen: 34.908 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

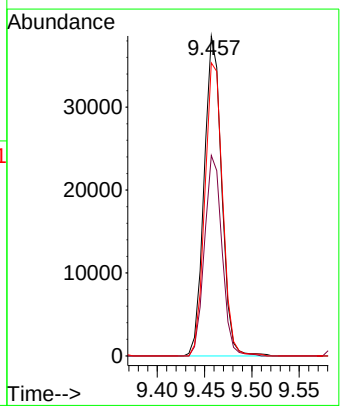


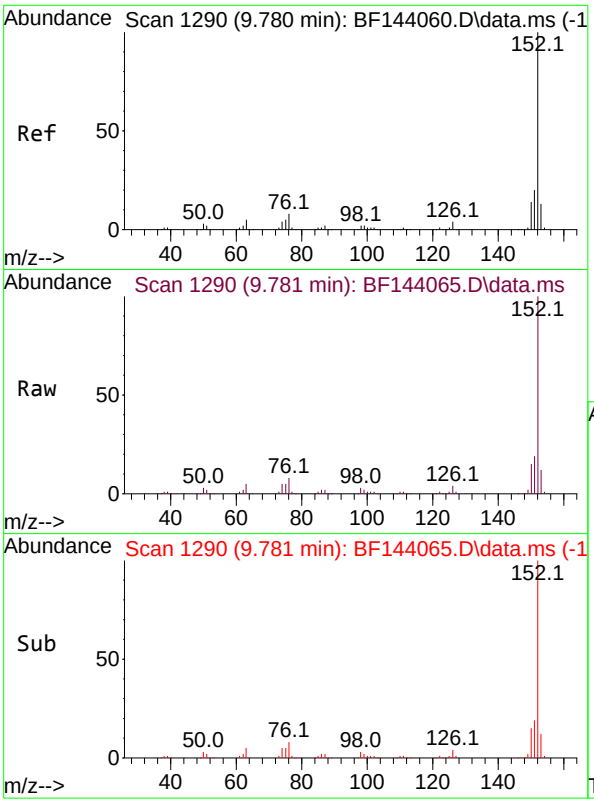


#48
2-Nitroaniline
Concen: 36.621 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



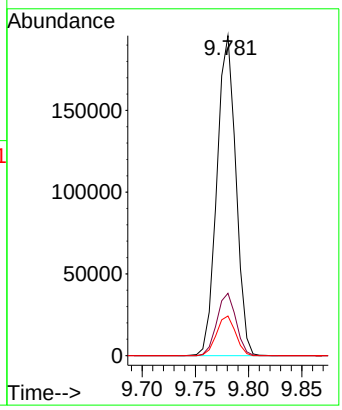


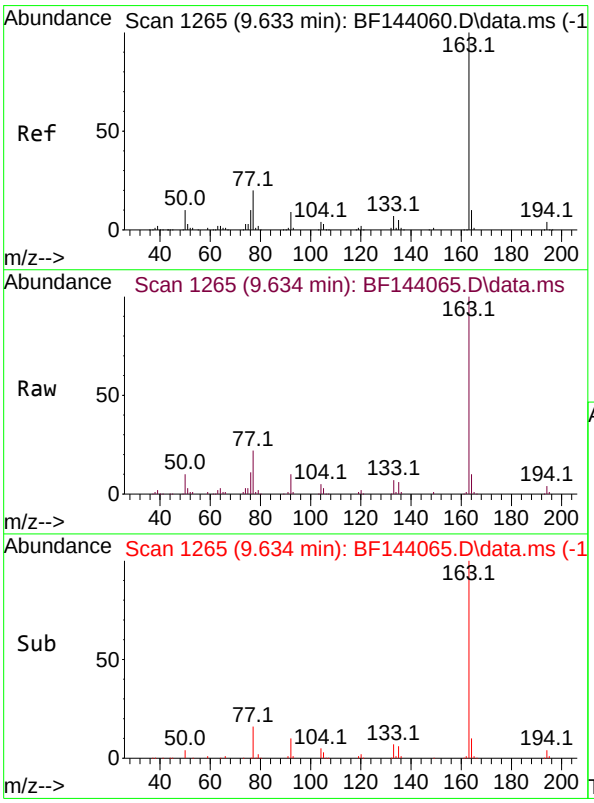
#49
Acenaphthylene
Concen: 39.474 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

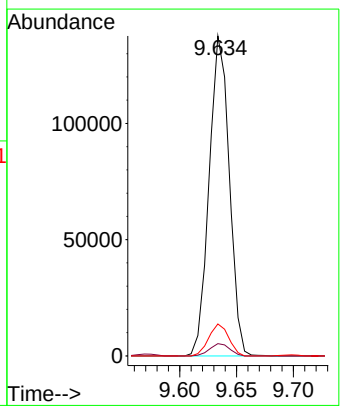


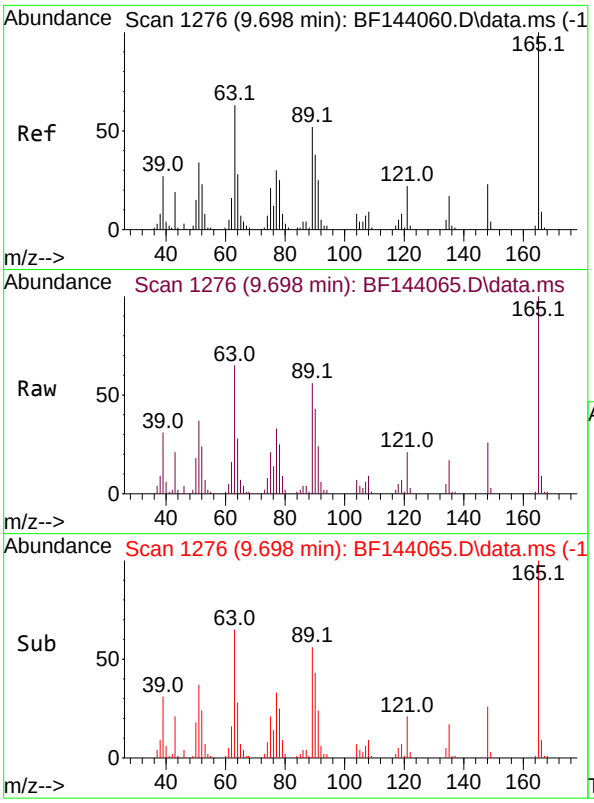


#50
Dimethylphthalate
Concen: 34.098 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



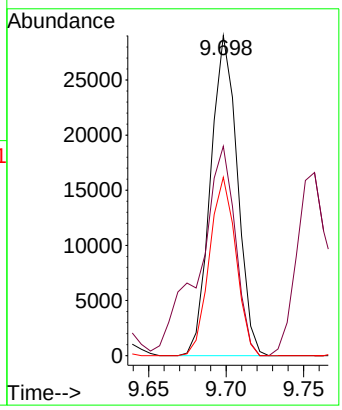


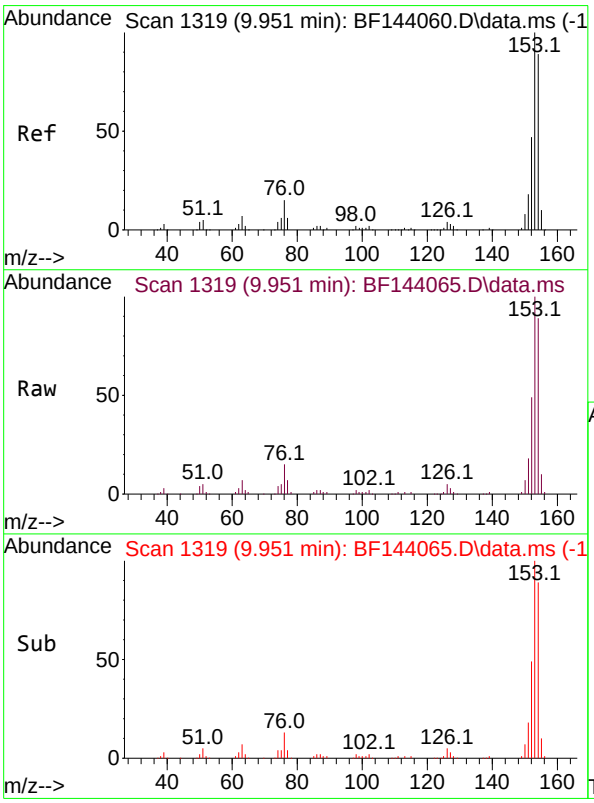
#51
2,6-Dinitrotoluene
Concen: 35.461 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

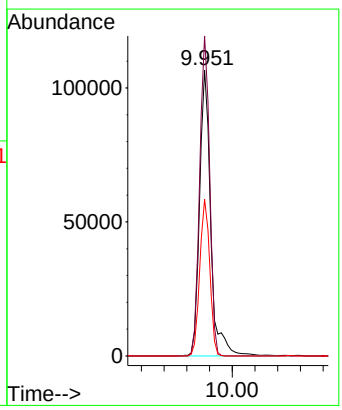


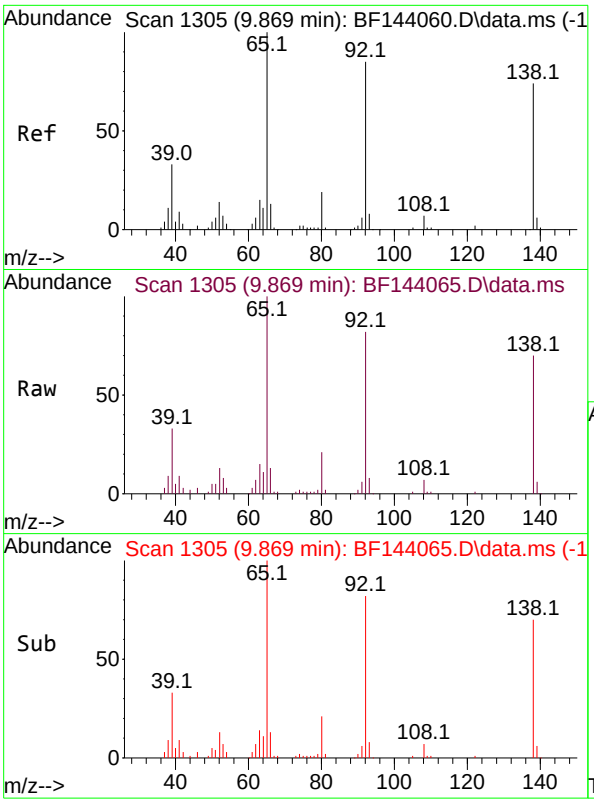


#52
Acenaphthene
Concen: 35.145 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



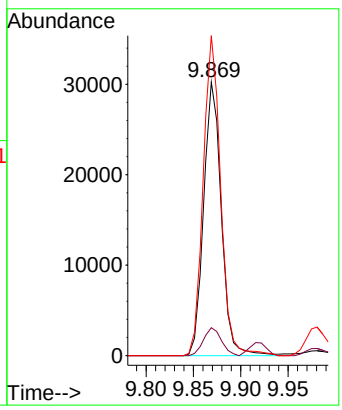


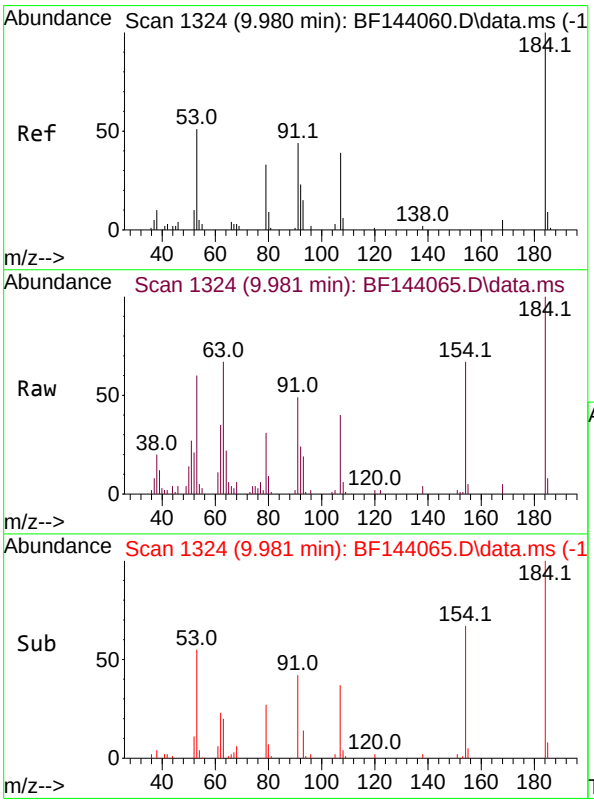
#53
3-Nitroaniline
Concen: 35.804 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

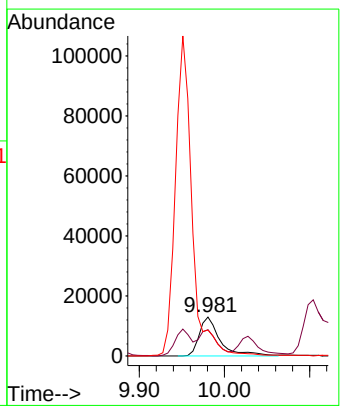


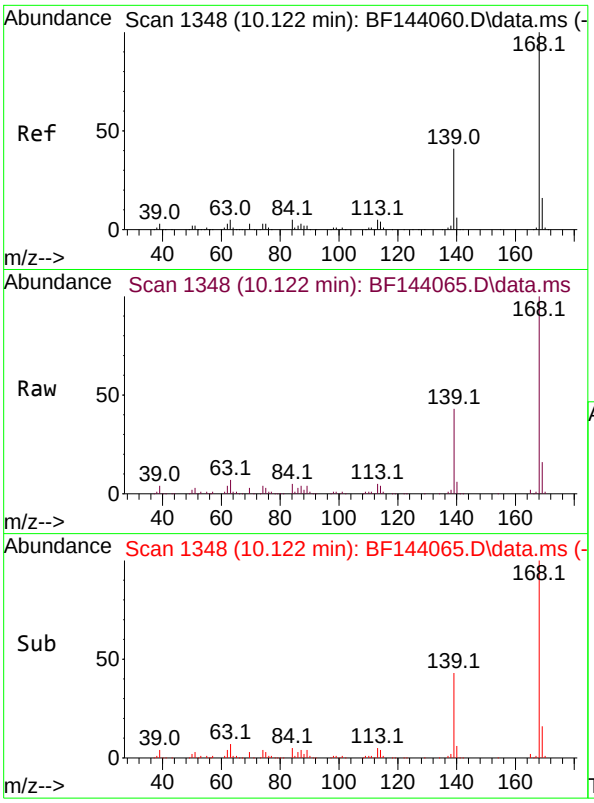


#54
2,4-Dinitrophenol
Concen: 41.102 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



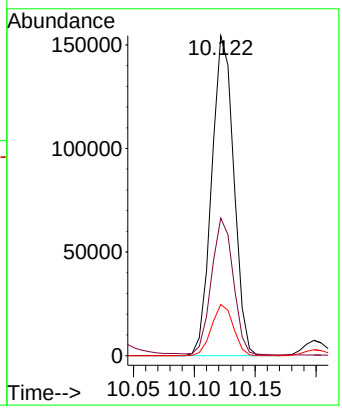


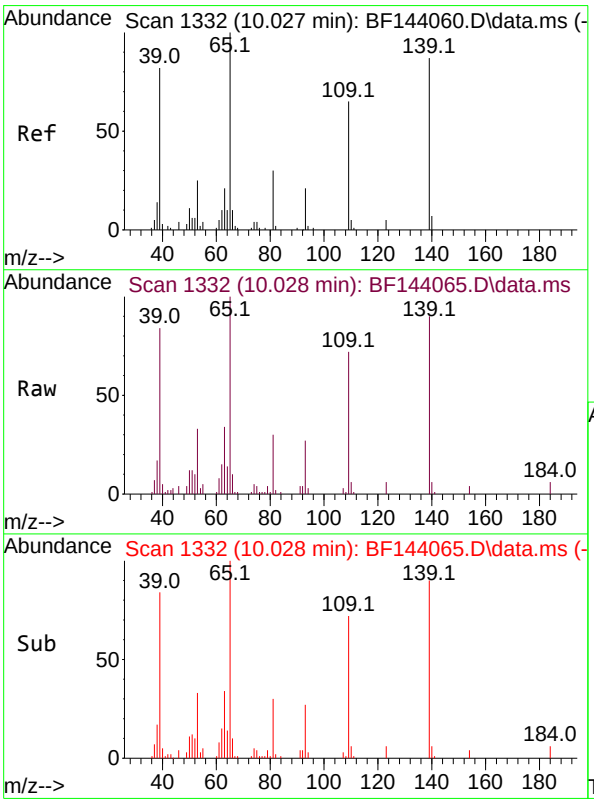
#55
Dibenzofuran
Concen: 34.140 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

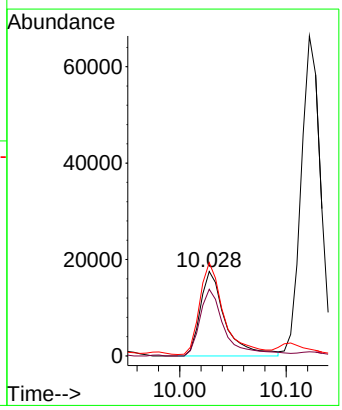


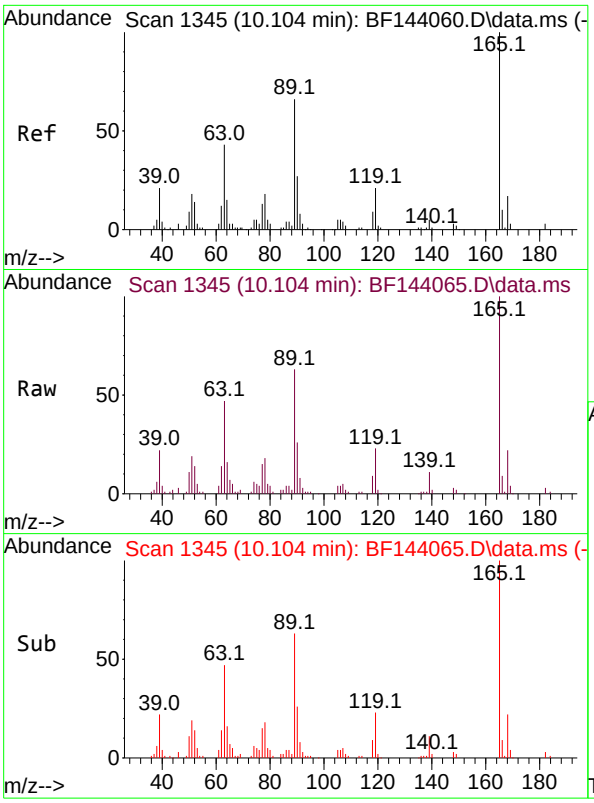


#56
4-Nitrophenol
Concen: 38.254 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



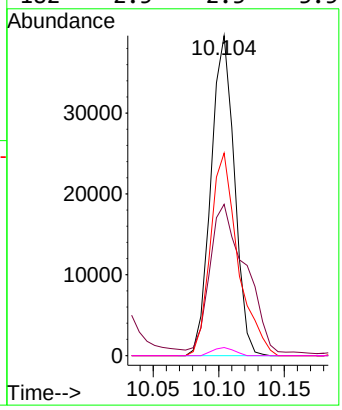


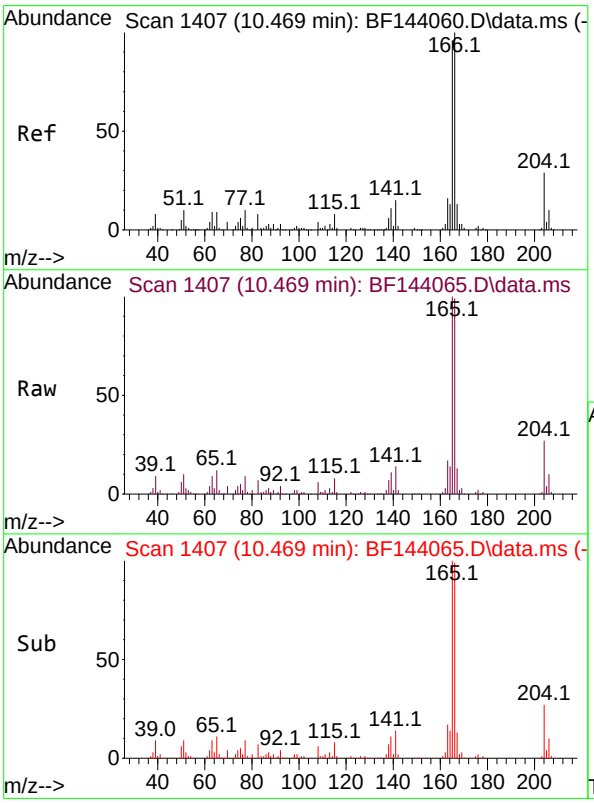
#57
2,4-Dinitrotoluene
Concen: 37.002 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

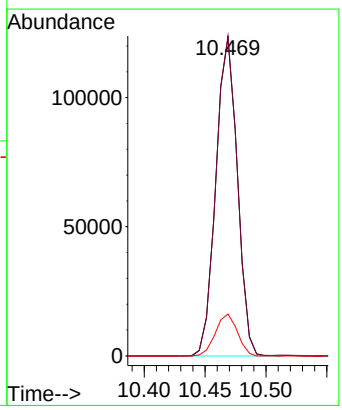


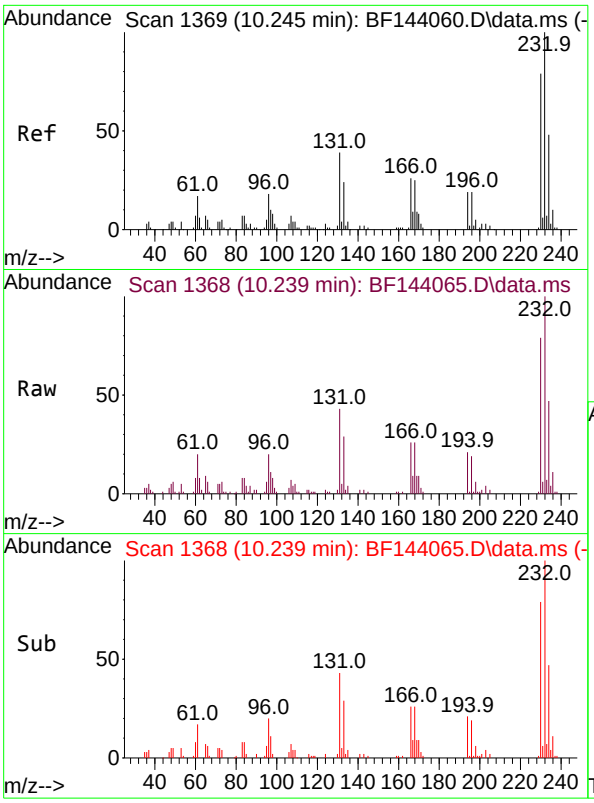


#58
Fluorene
Concen: 34.864 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



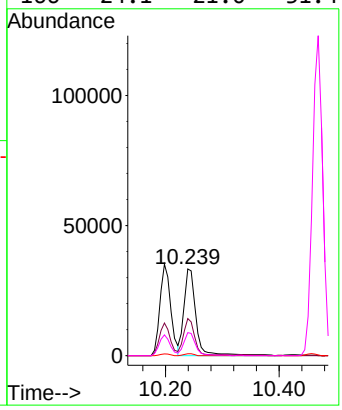


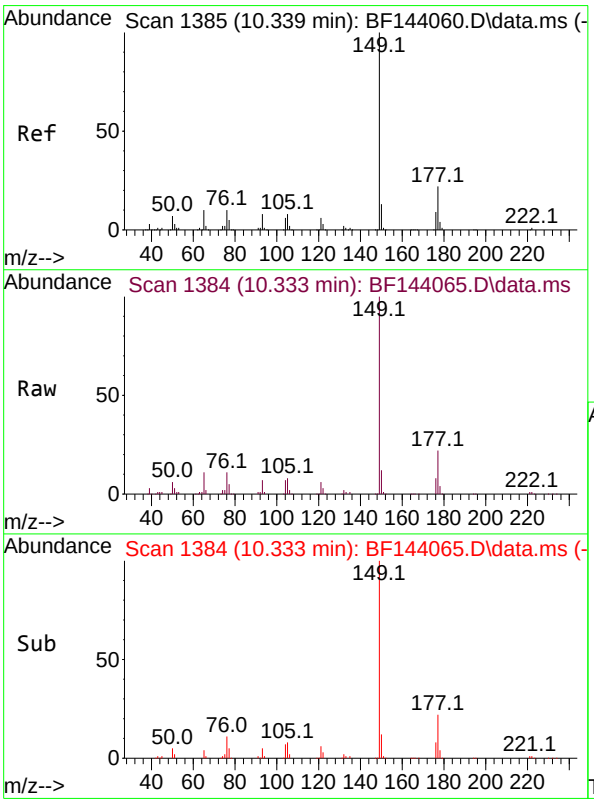
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.232 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

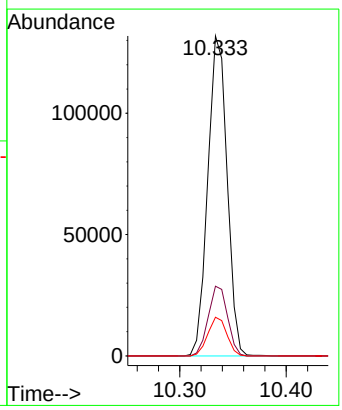


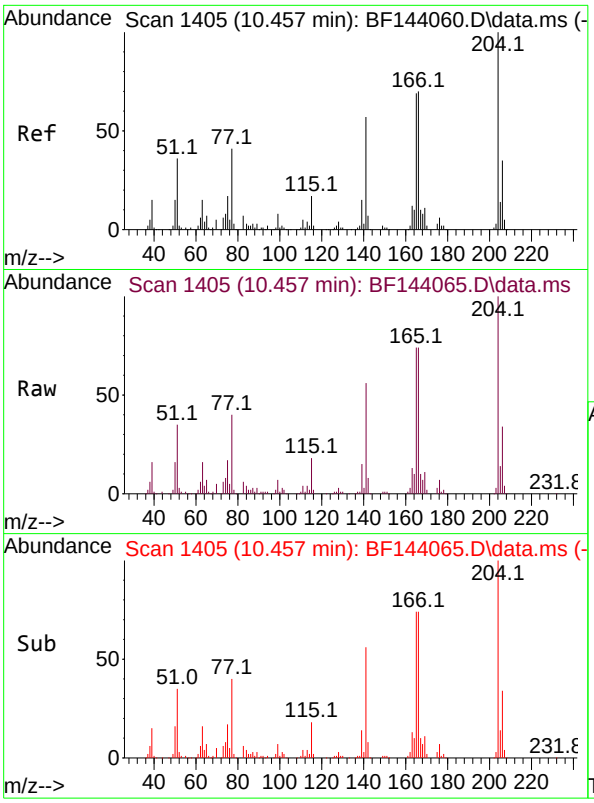


#60
Diethylphthalate
Concen: 35.442 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



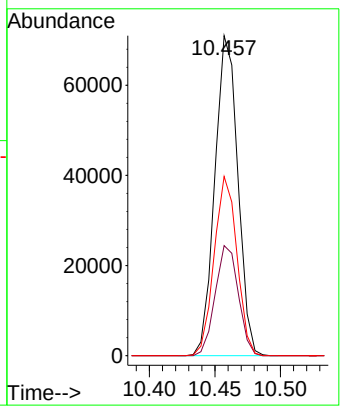


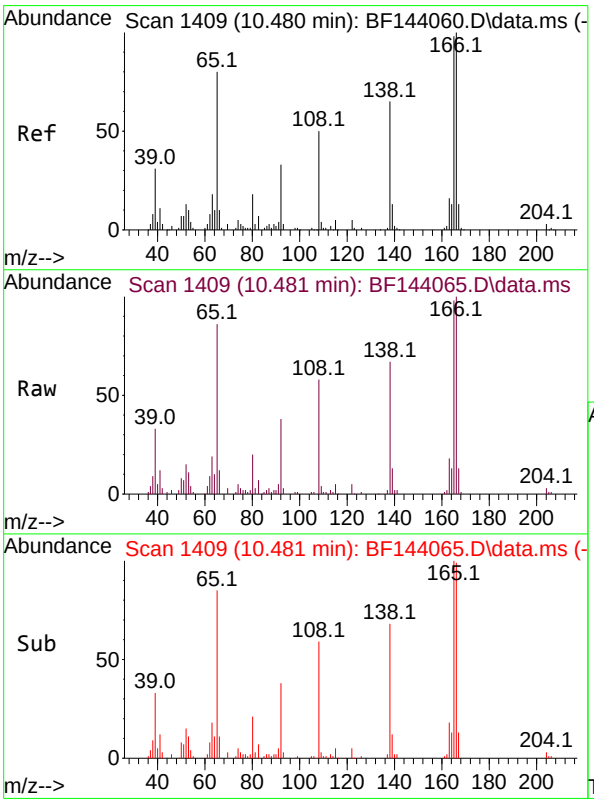
#61
4-Chlorophenyl-phenylether
Concen: 35.479 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

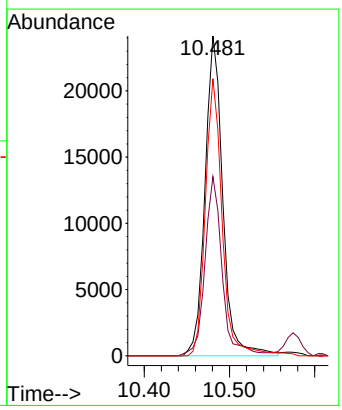


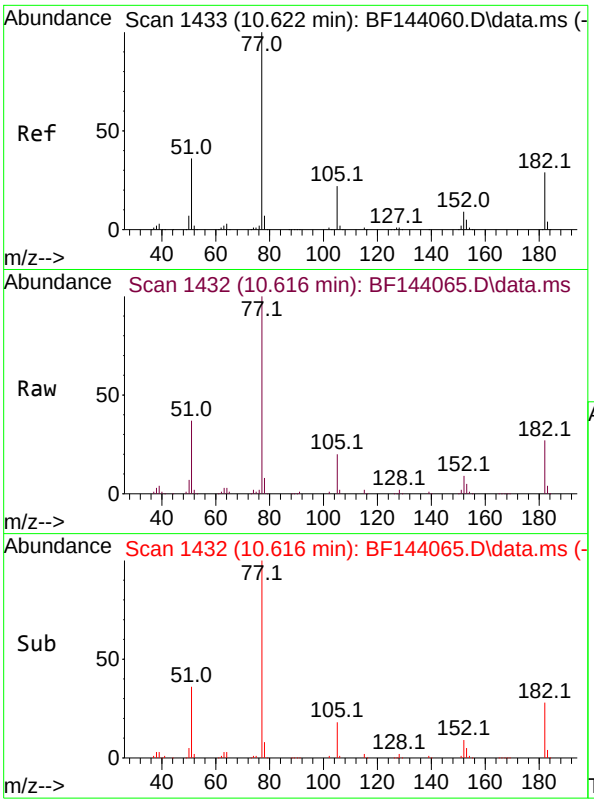


#62
4-Nitroaniline
Concen: 33.756 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



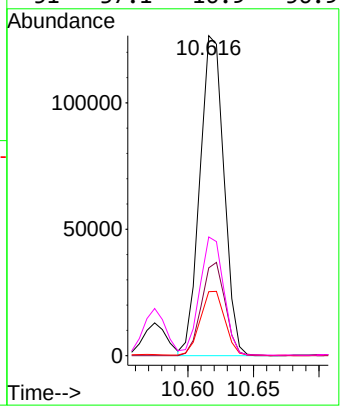


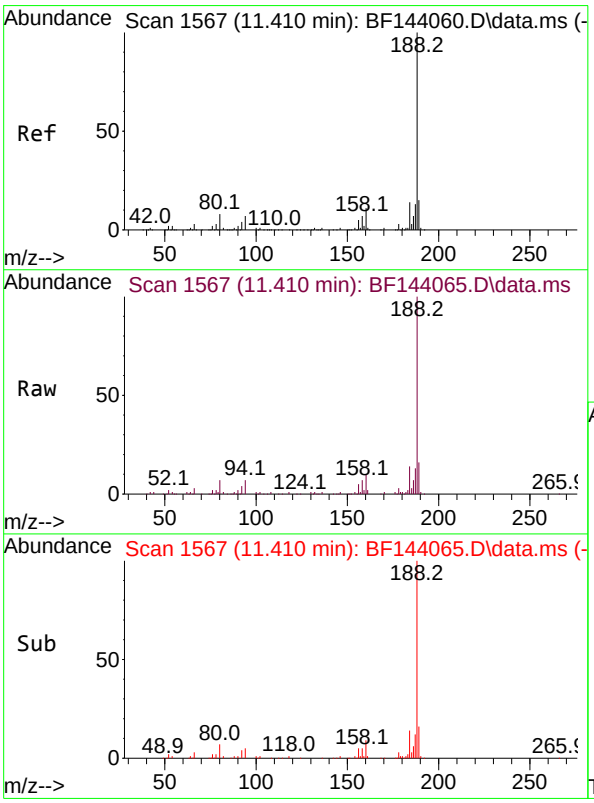
#63
Azobenzene
Concen: 36.422 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

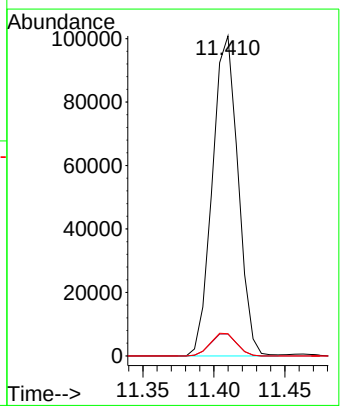


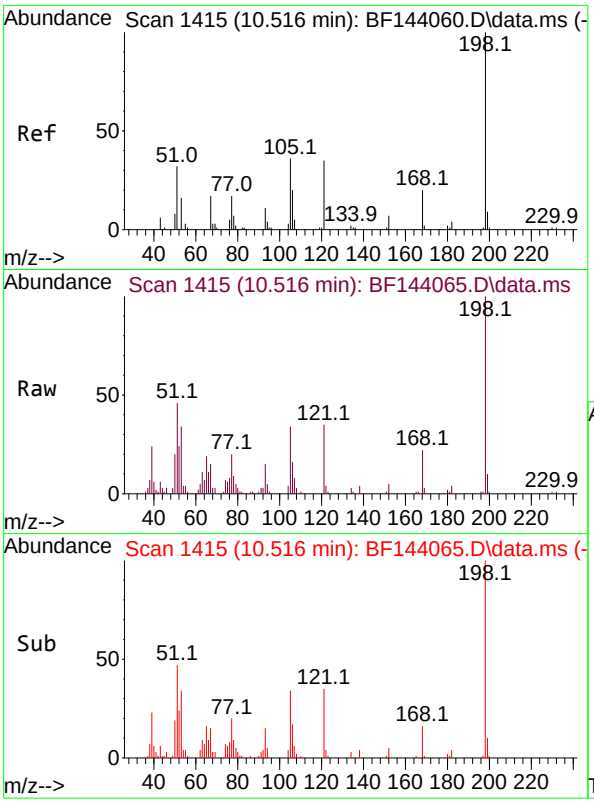


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



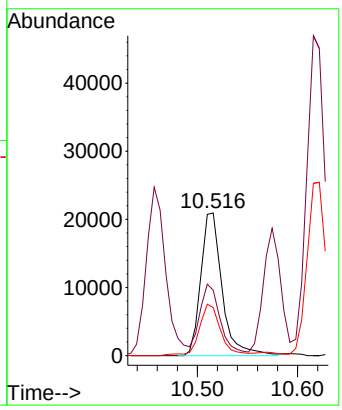


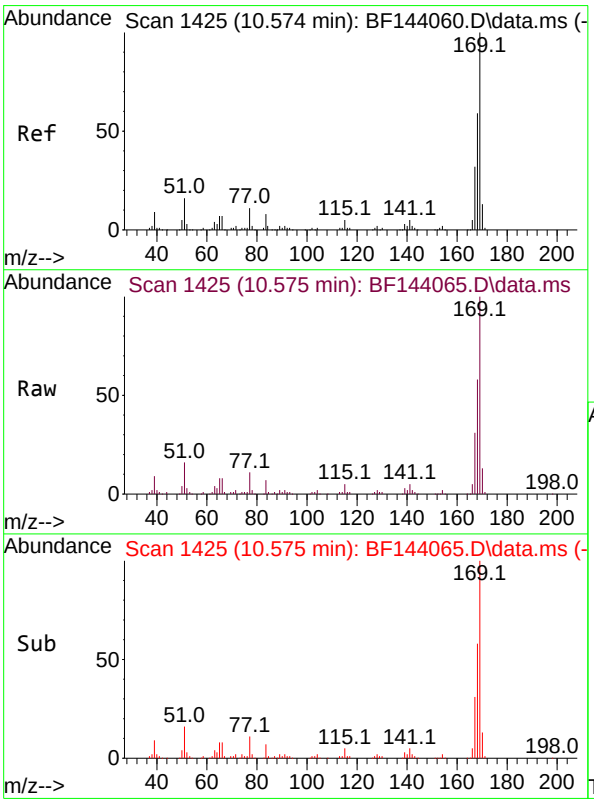
#65
4,6-Dinitro-2-methylphenol
Concen: 37.867 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

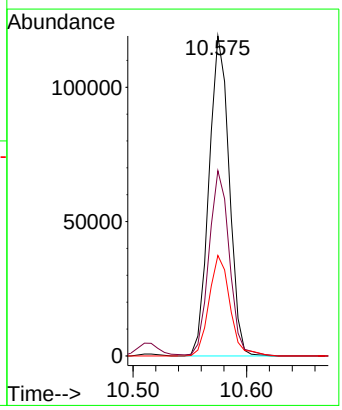


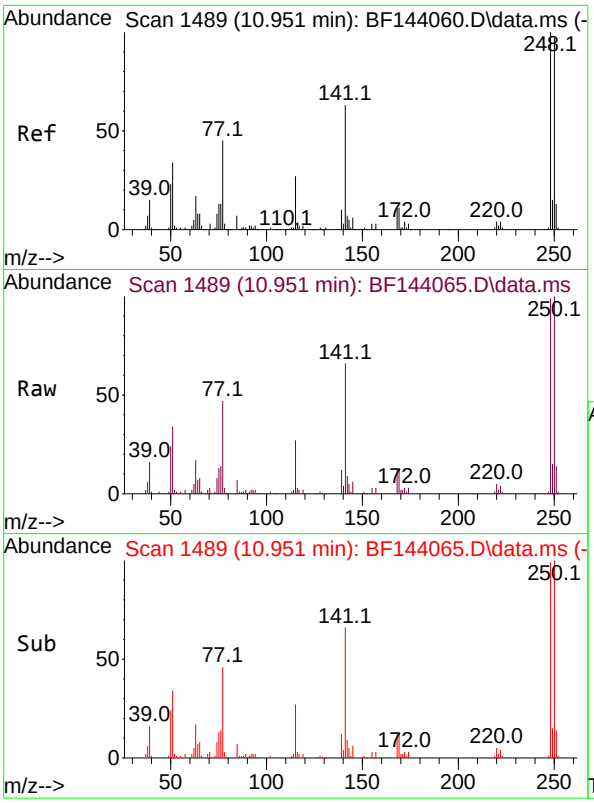


#66
n-Nitrosodiphenylamine
Concen: 36.075 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



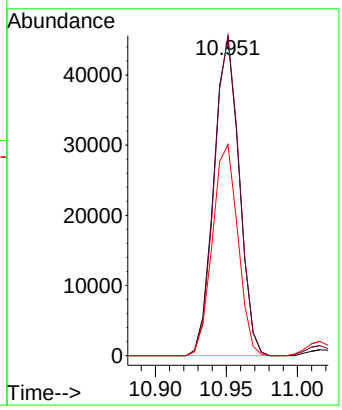


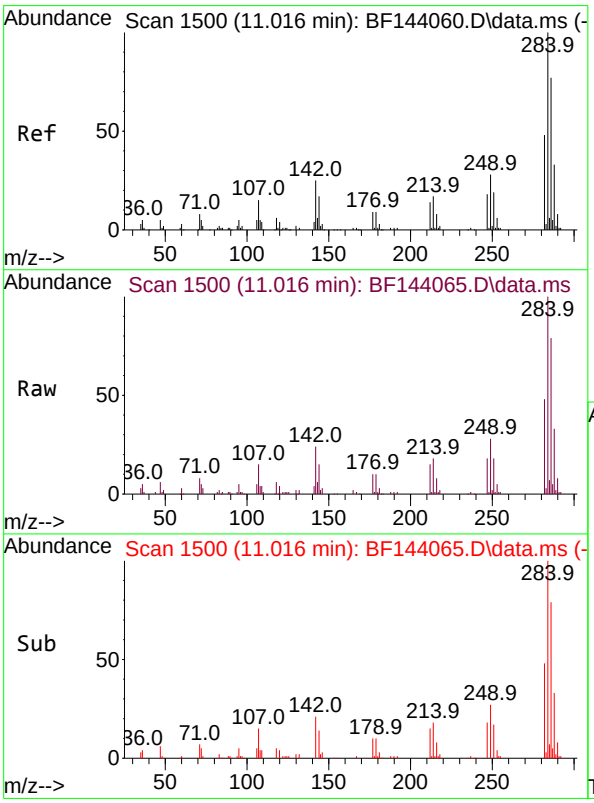
#67
4-Bromophenyl-phenylether
Concen: 35.313 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

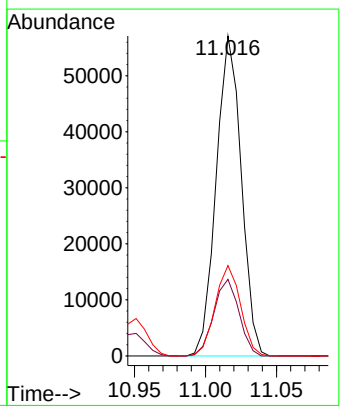


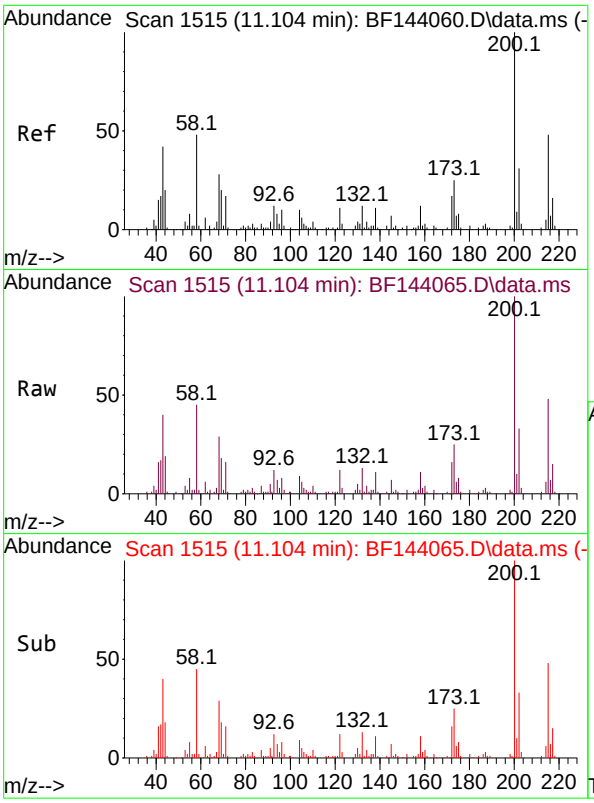


#68
Hexachlorobenzene
Concen: 35.903 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



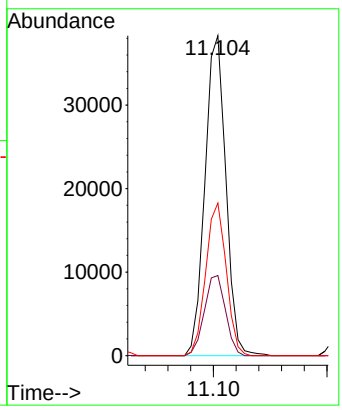


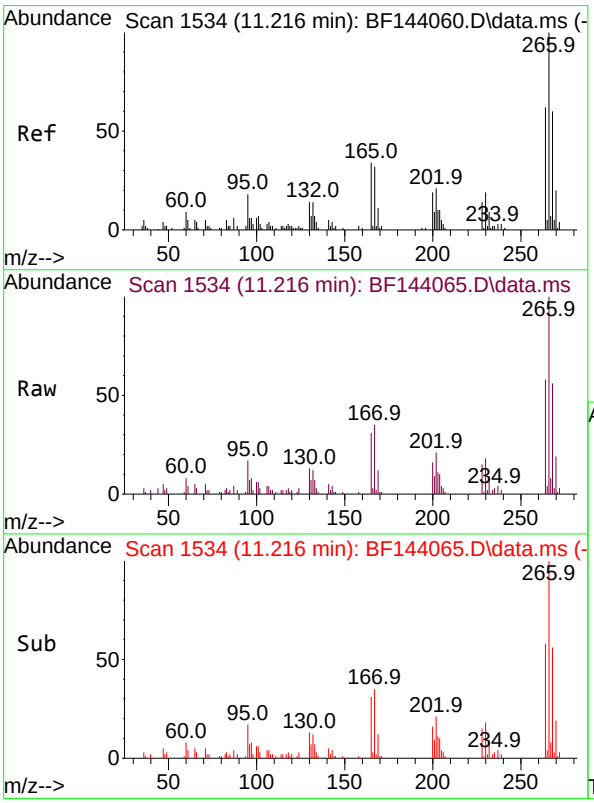
#69
Atrazine
Concen: 36.643 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

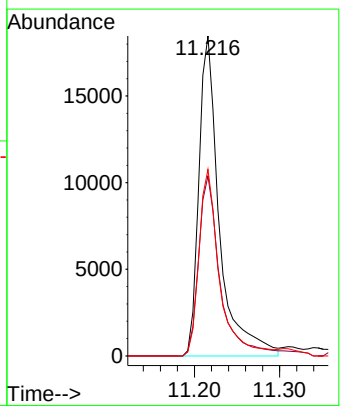


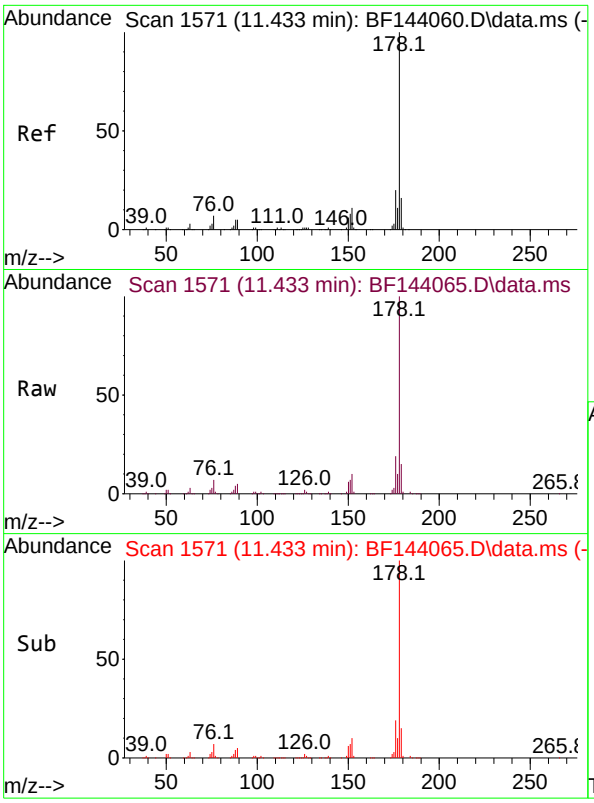


#70
Pentachlorophenol
Concen: 33.237 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



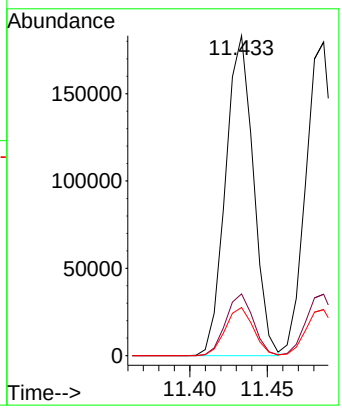


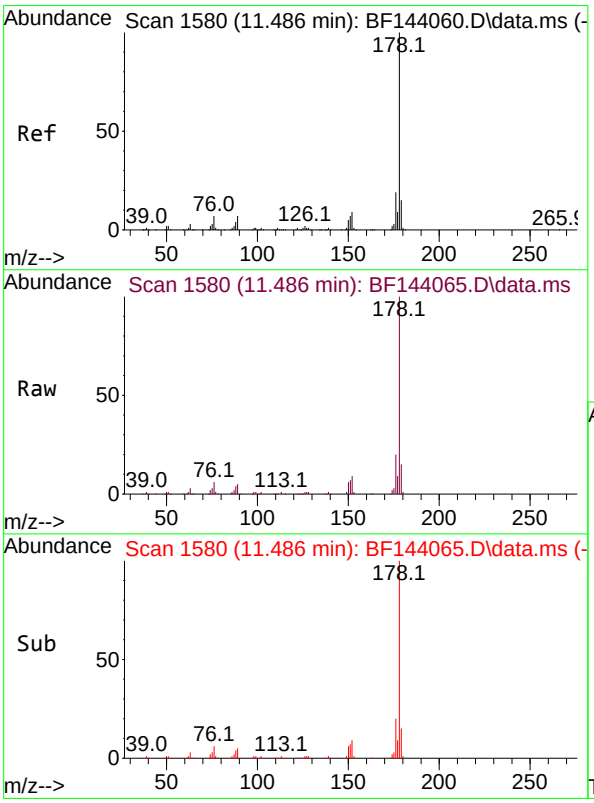
#71
Phenanthrene
Concen: 36.120 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

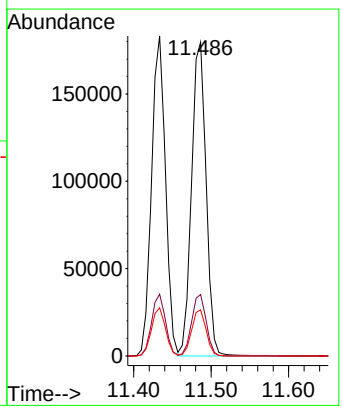


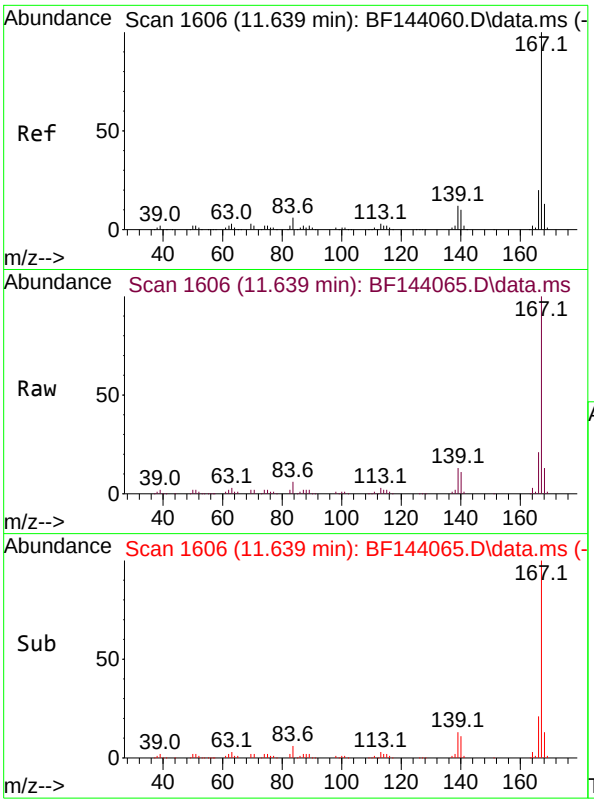


#72
Anthracene
Concen: 35.782 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



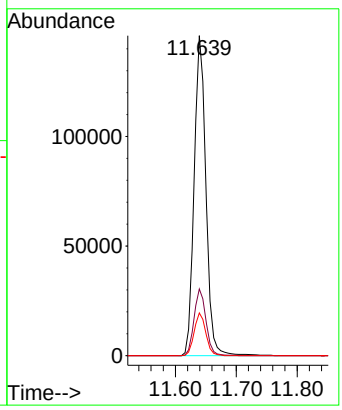


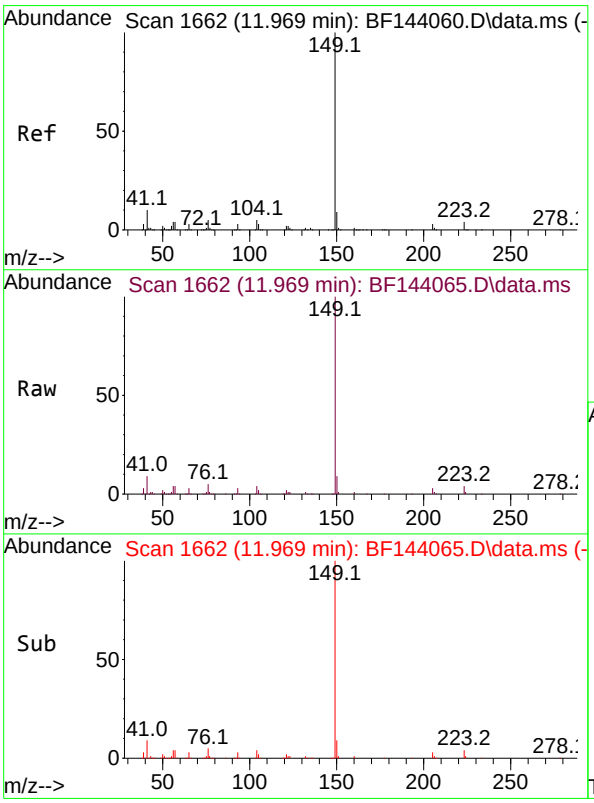
#73
Carbazole
Concen: 35.250 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

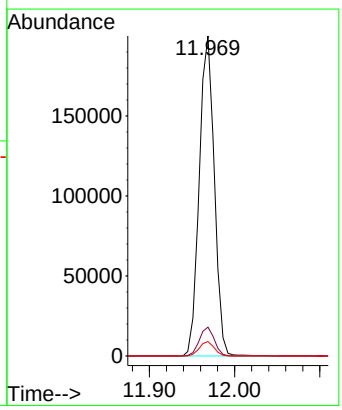


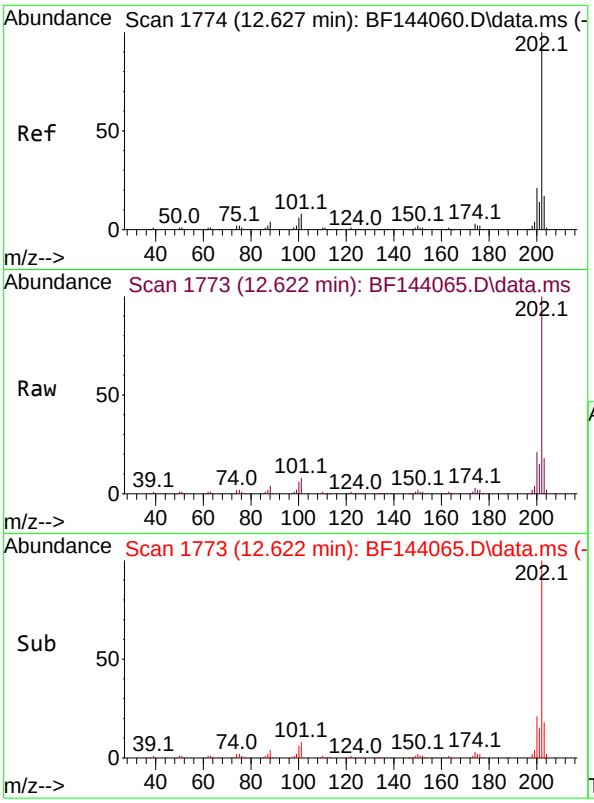


#74
Di-n-butylphthalate
Concen: 35.967 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



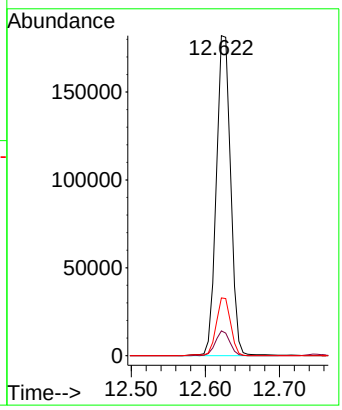


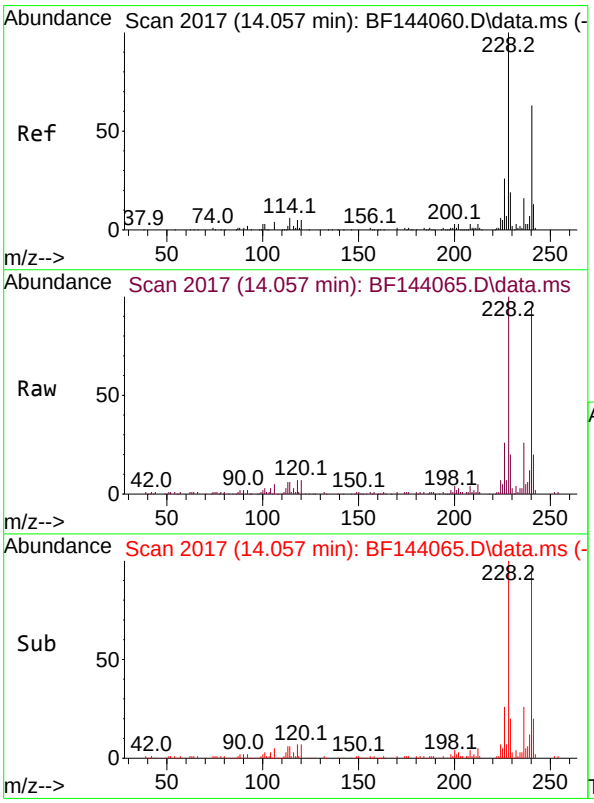
#75
Fluoranthene
Concen: 34.929 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

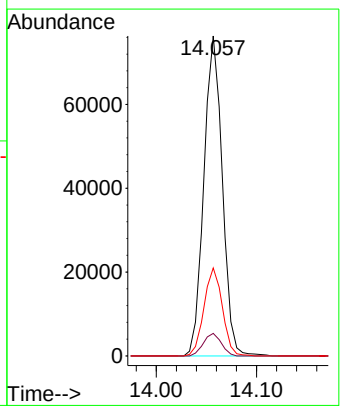


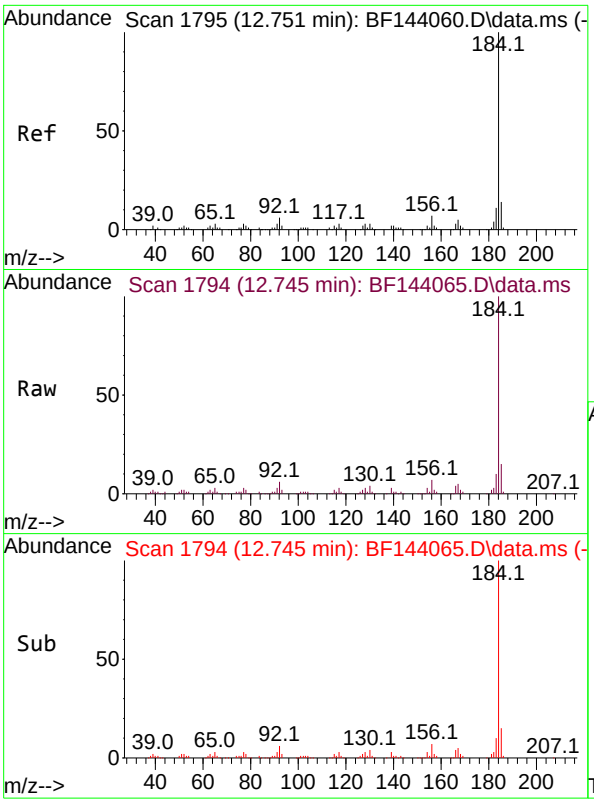


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



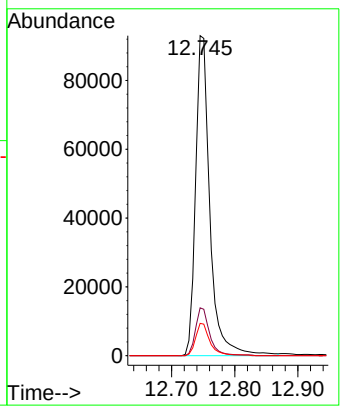


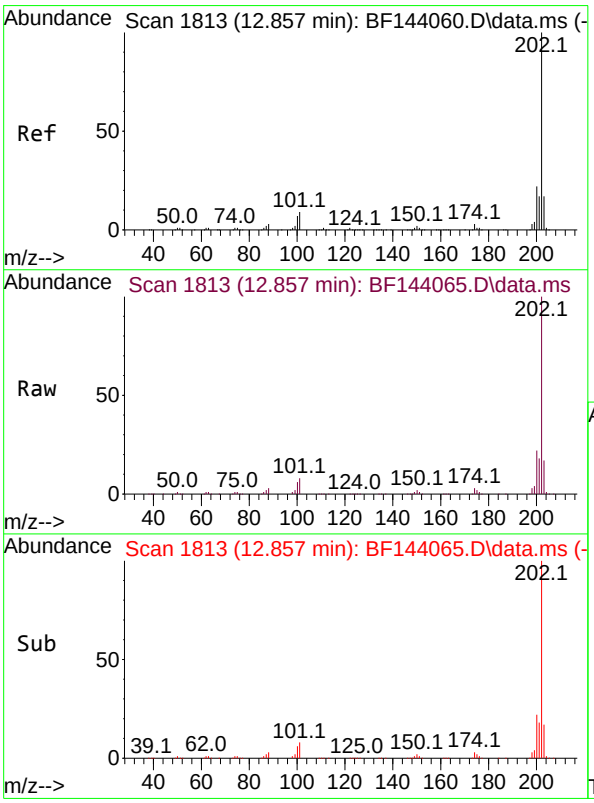
#77
Benzidine
Concen: 48.386 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

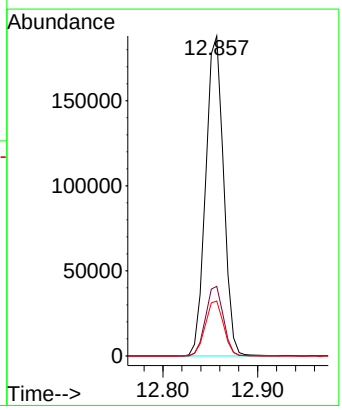


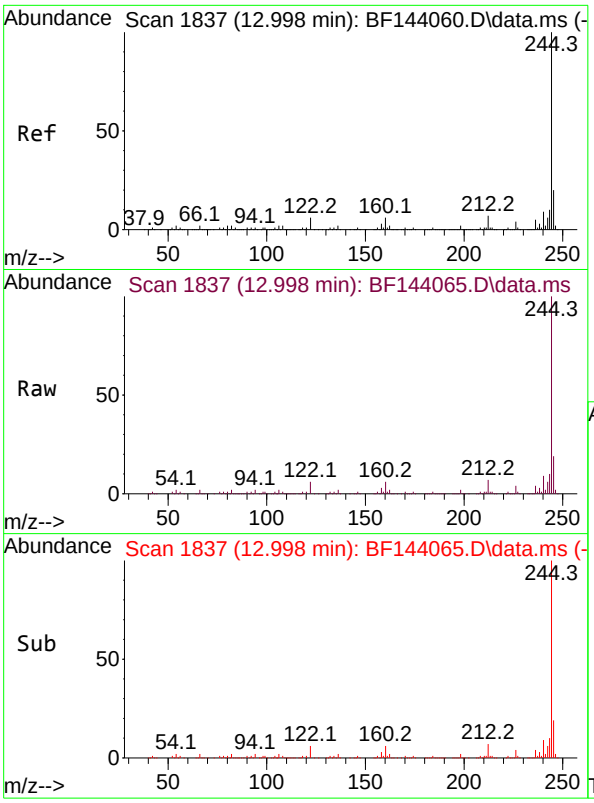


#78
Pyrene
Concen: 35.297 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



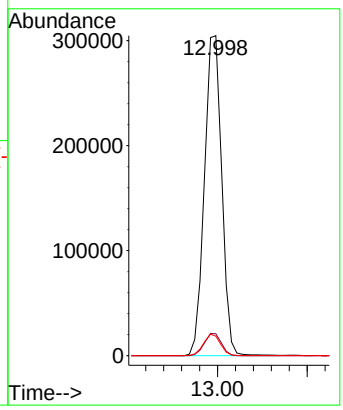


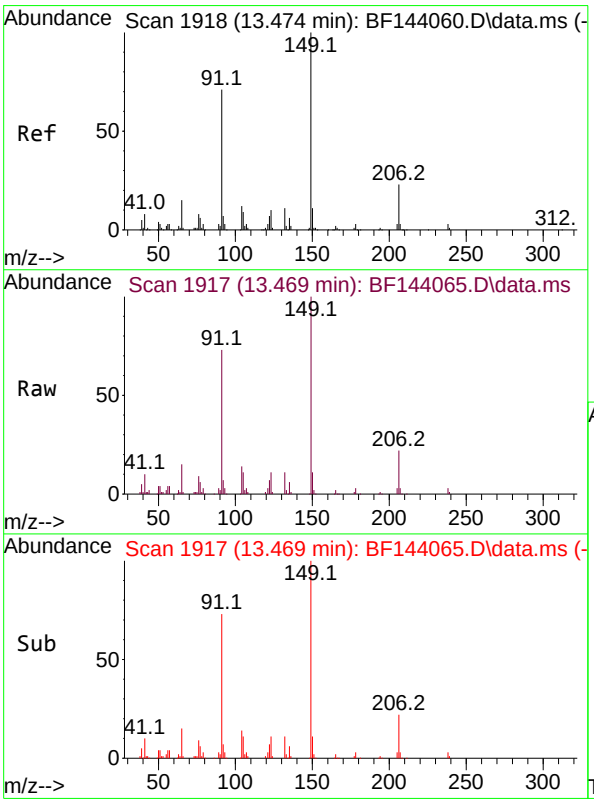
#79
Terphenyl-d14
Concen: 73.542 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

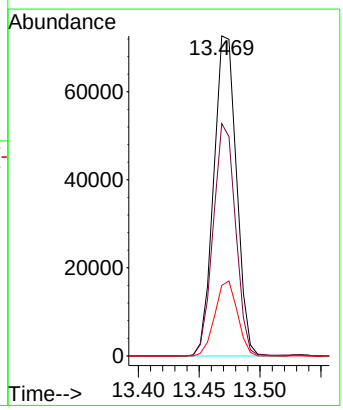


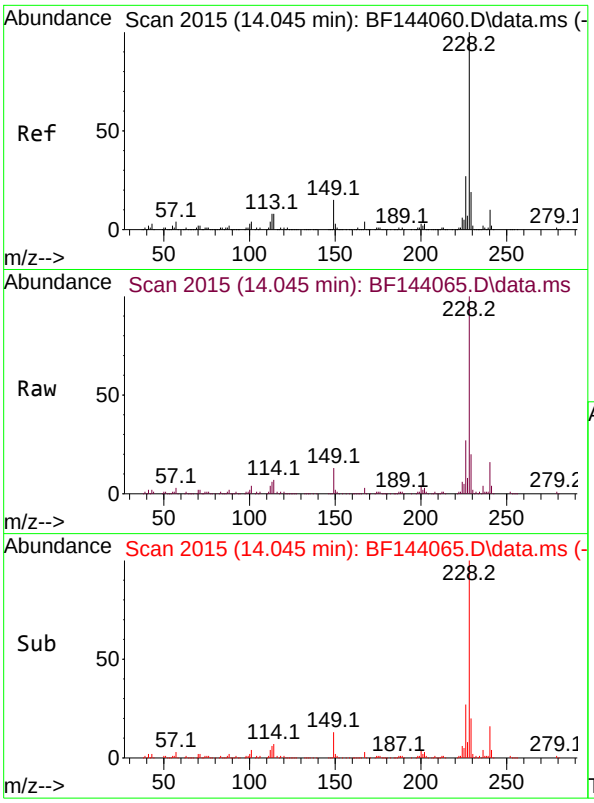


#80
Butylbenzylphthalate
Concen: 35.741 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



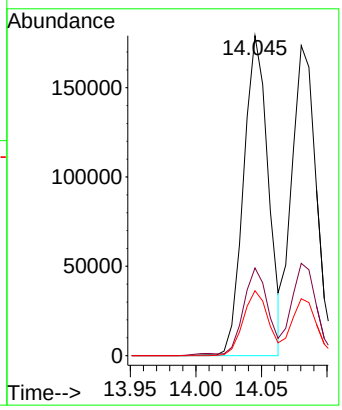


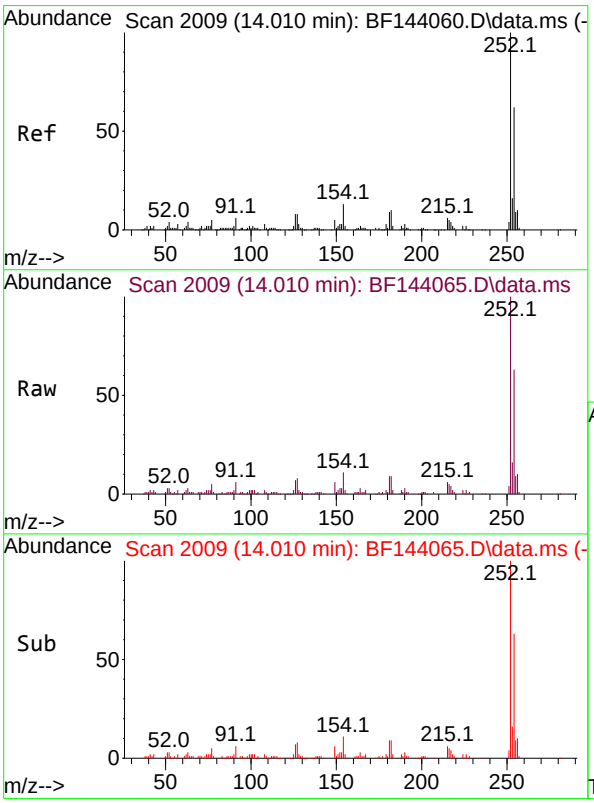
#81
Benzo(a)anthracene
Concen: 35.620 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

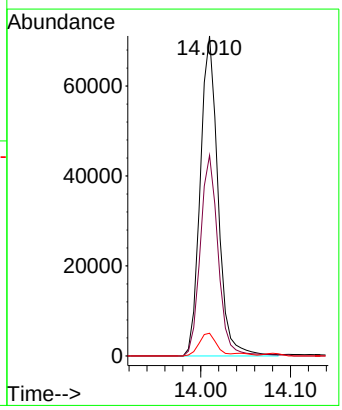


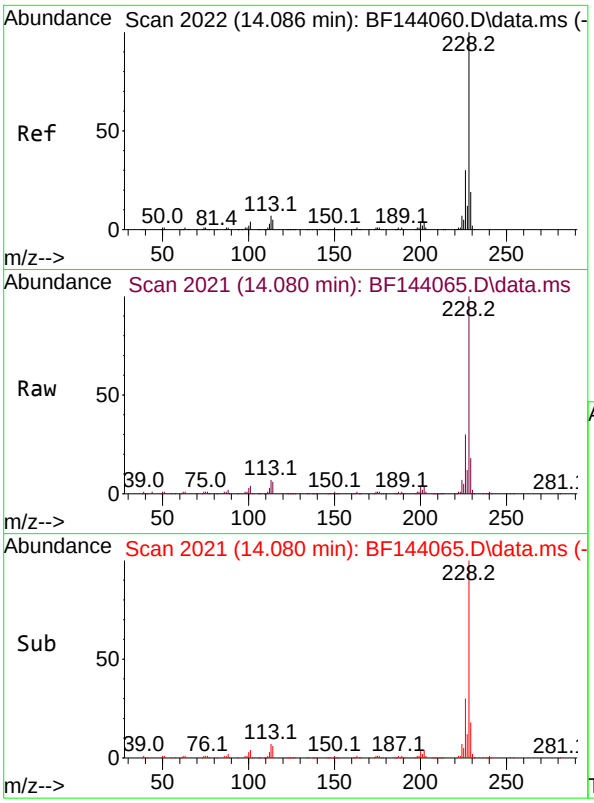


#82
3,3'-Dichlorobenzidine
Concen: 42.643 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



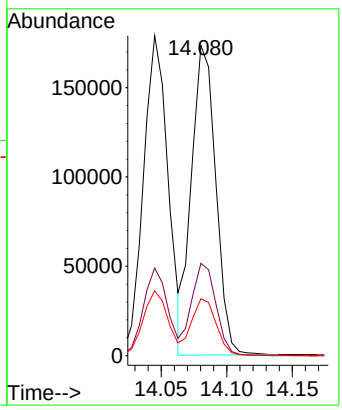


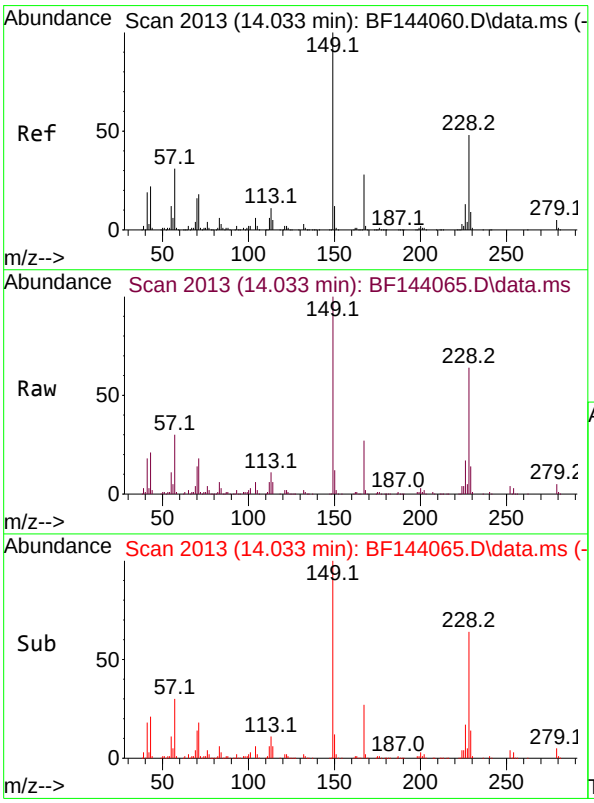
#83
Chrysene
Concen: 36.371 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

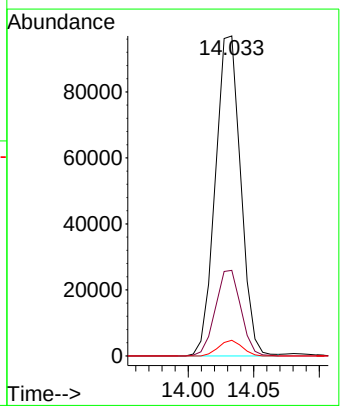


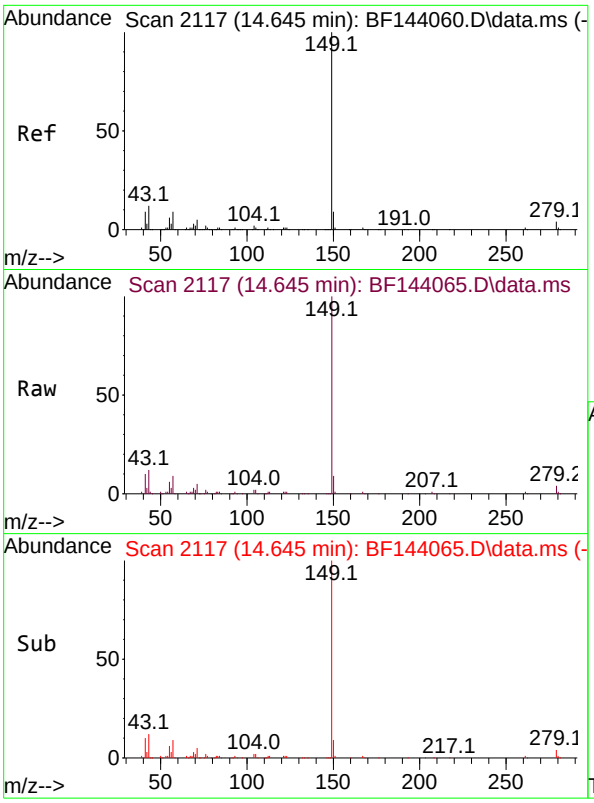


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.110 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



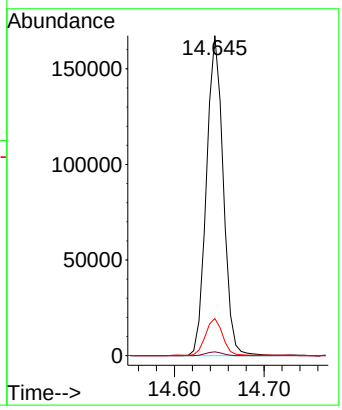


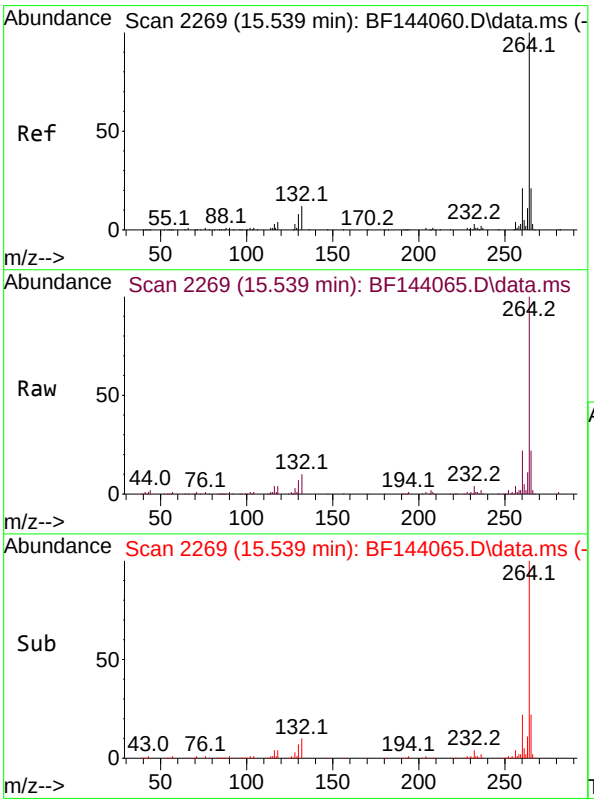
#85
Di-n-octyl phthalate
Concen: 35.142 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

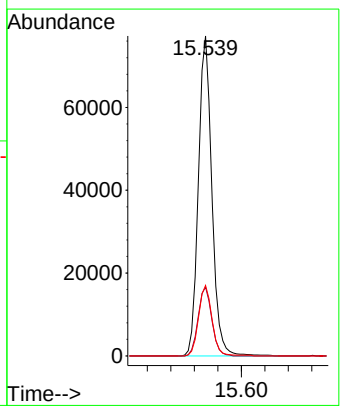


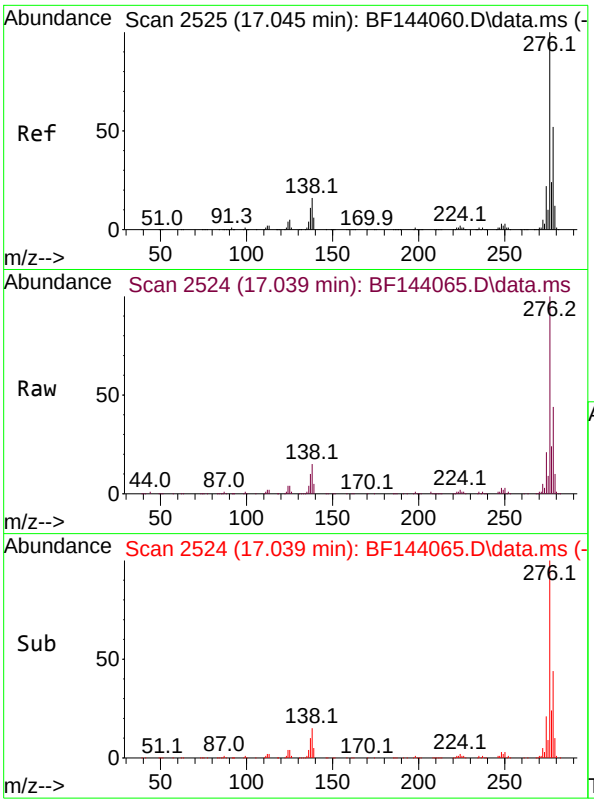


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



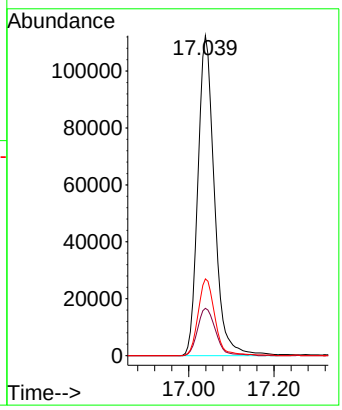


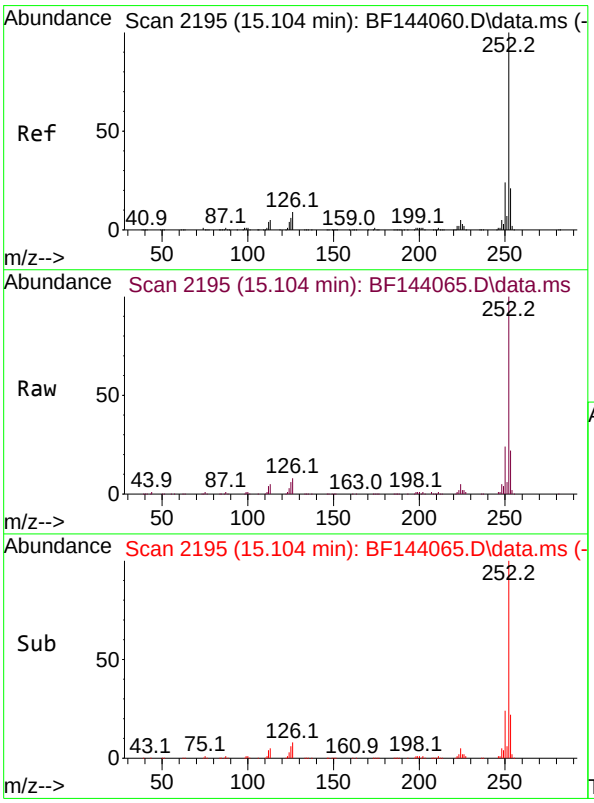
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.856 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

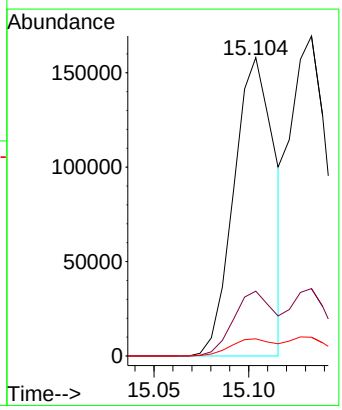


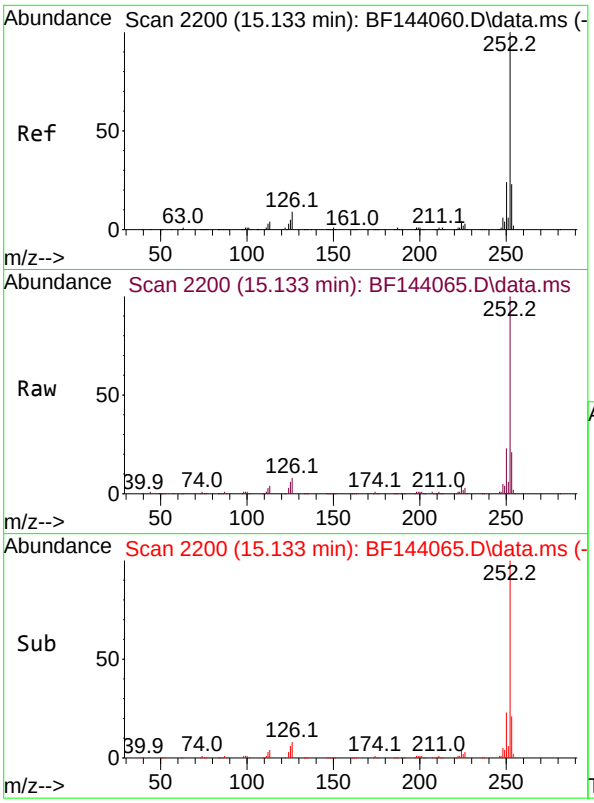


#88
Benzo(b)fluoranthene
Concen: 33.715 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



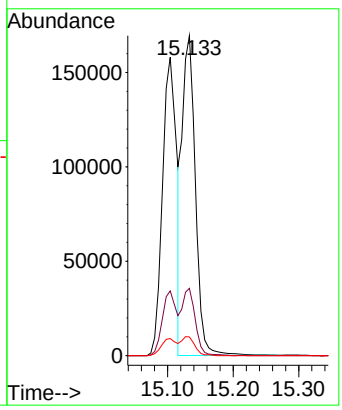


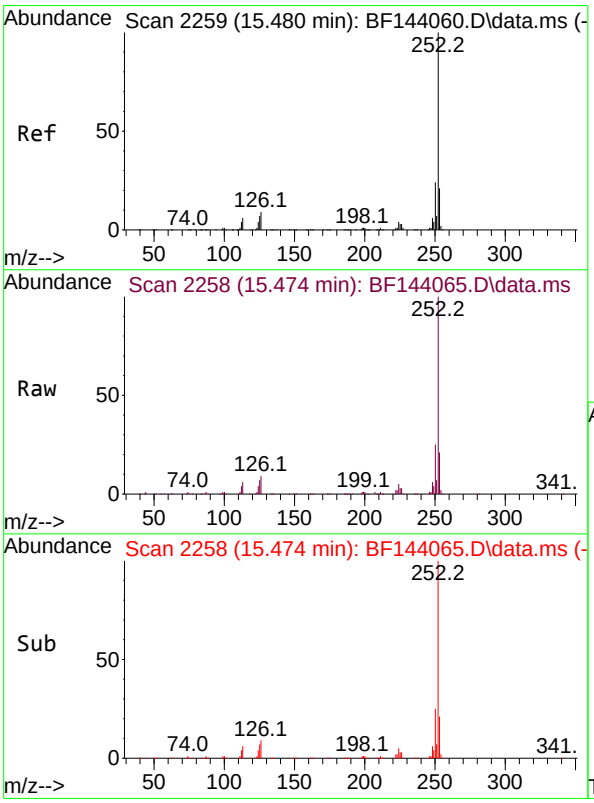
#89
Benzo(k)fluoranthene
Concen: 37.516 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

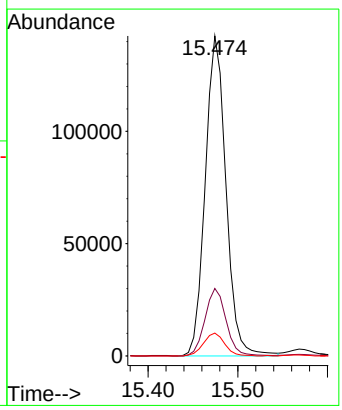


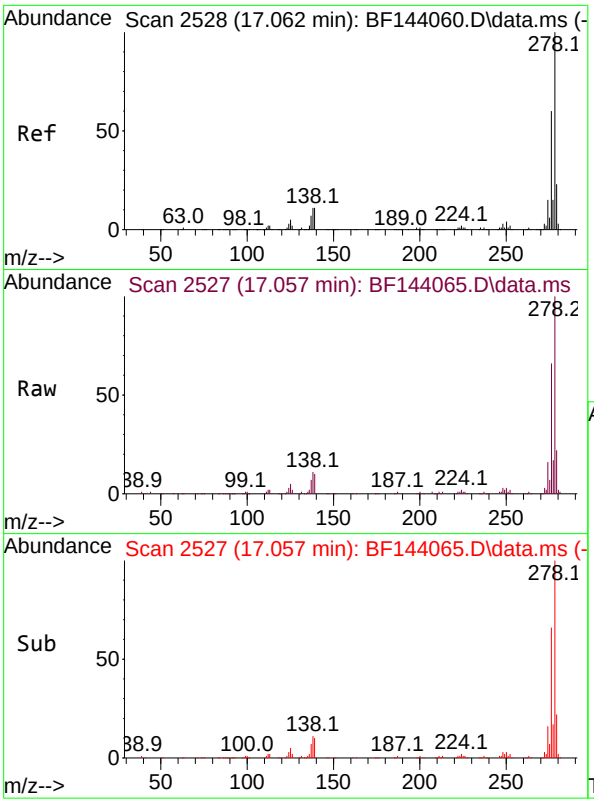


#90
Benzo(a)pyrene
Concen: 36.773 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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



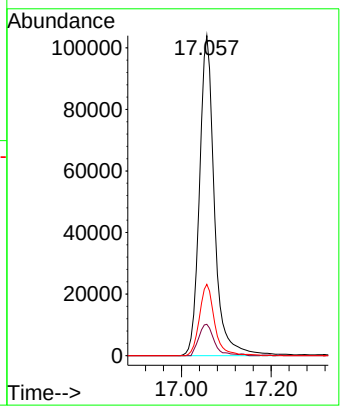


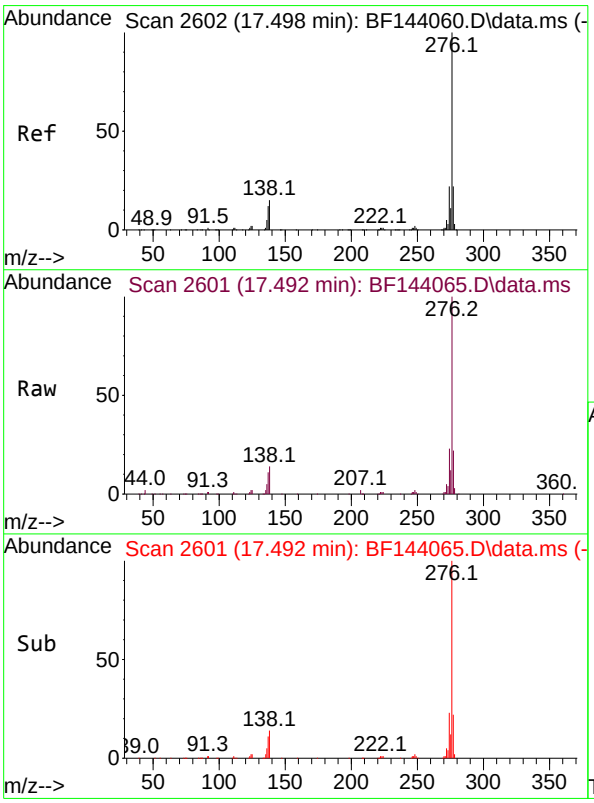
#91
Dibenzo(a,h)anthracene
Concen: 36.012 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

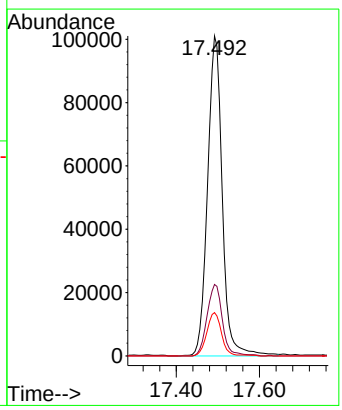




#92
Benzo(g,h,i)perylene
Concen: 36.942 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

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

Evaluate Continuing Calibration Report

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

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

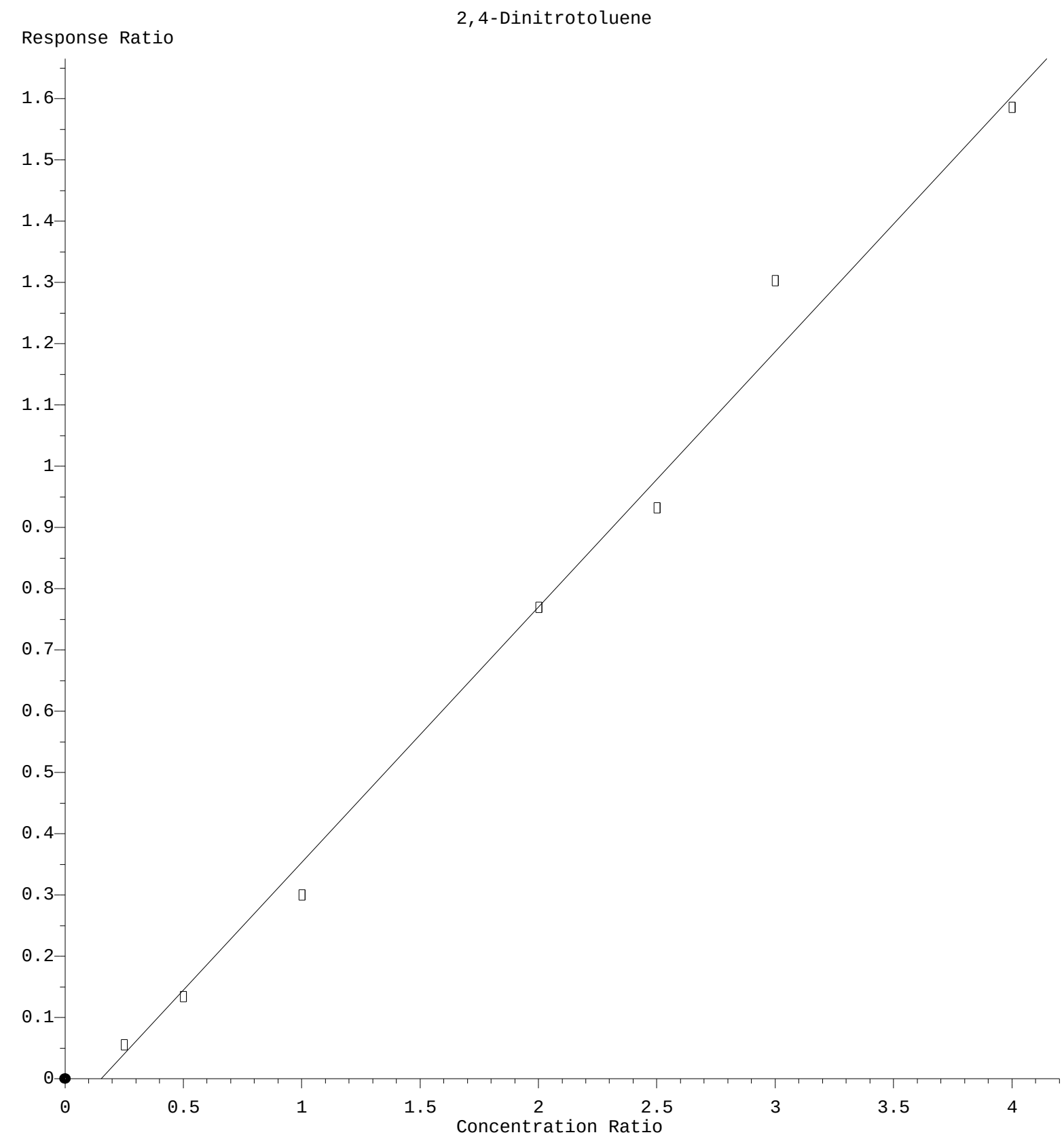
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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 = 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

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

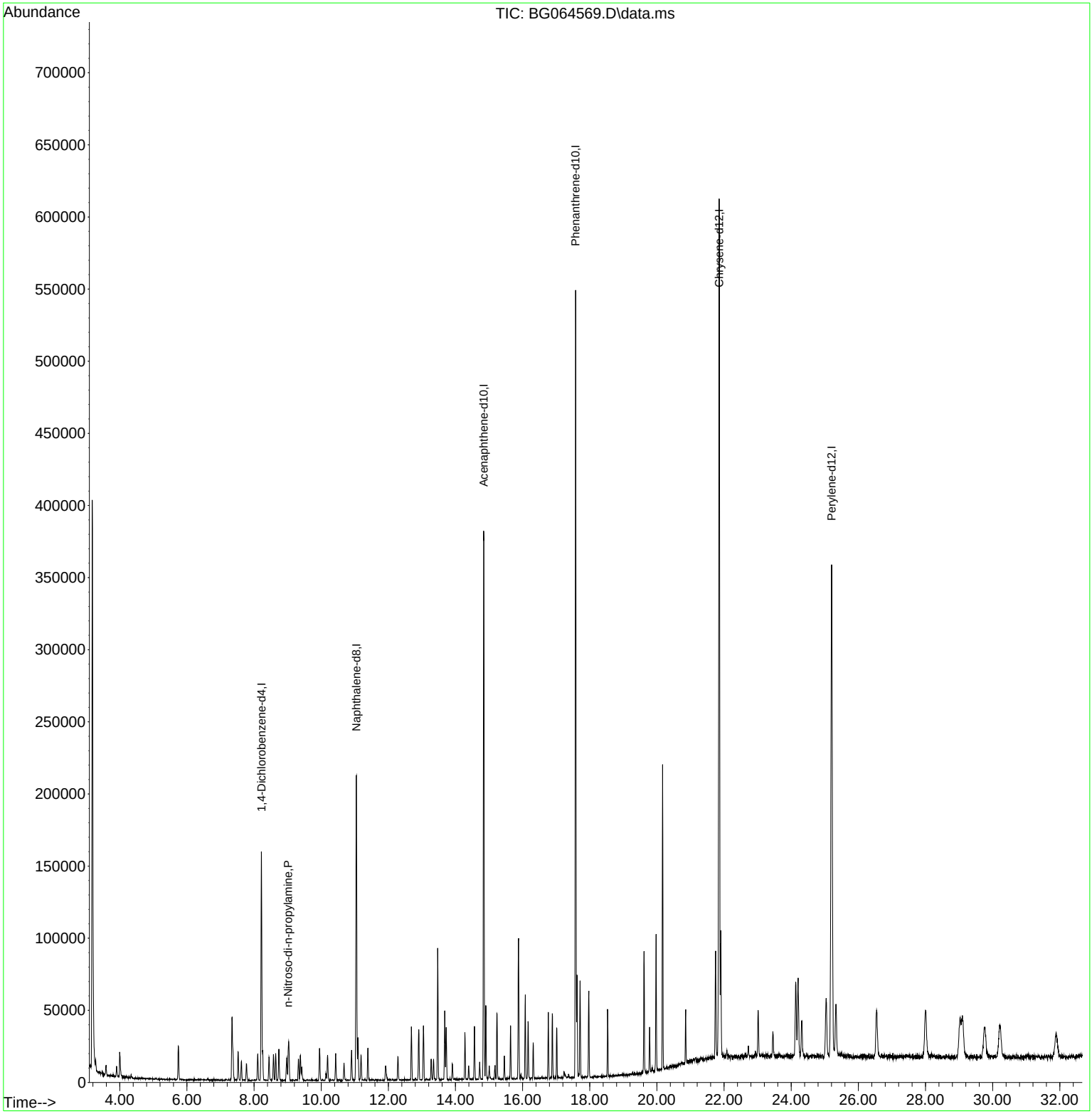
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	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

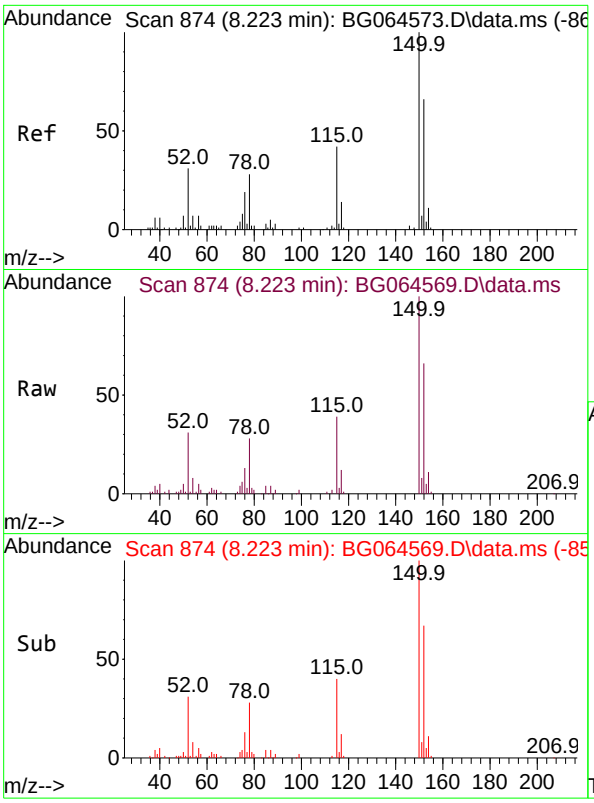
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



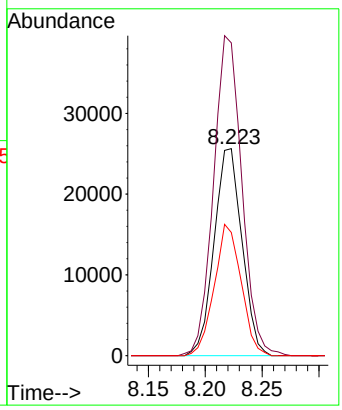


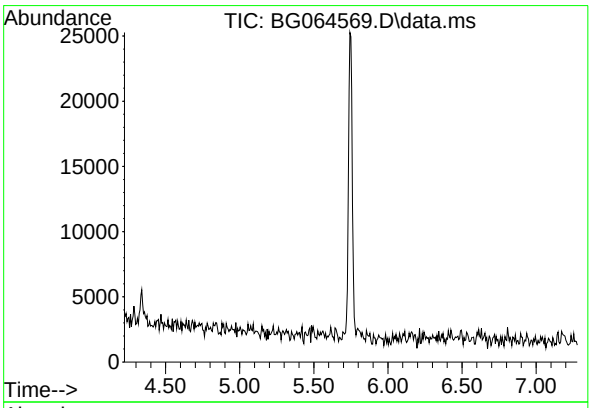
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



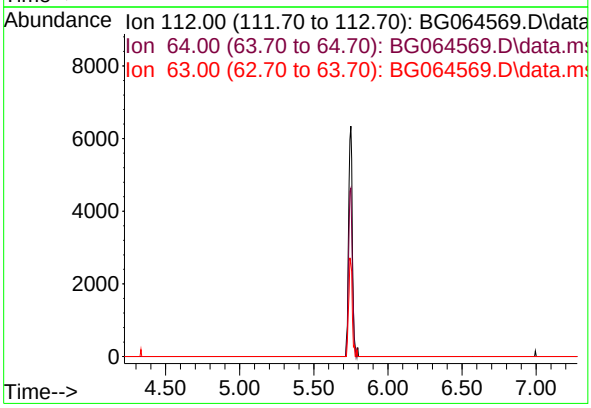


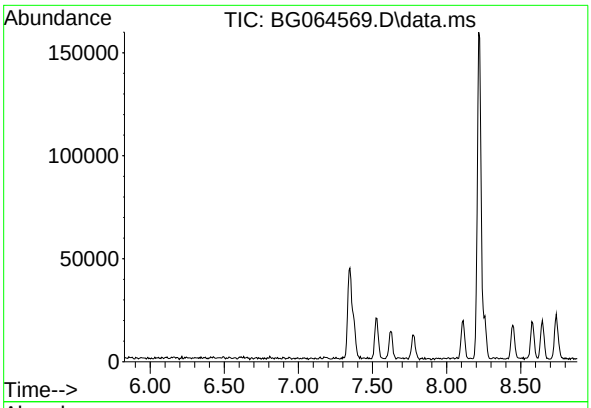
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





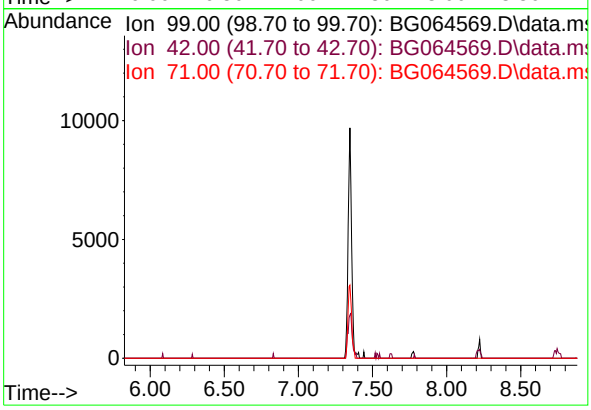
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.35 min

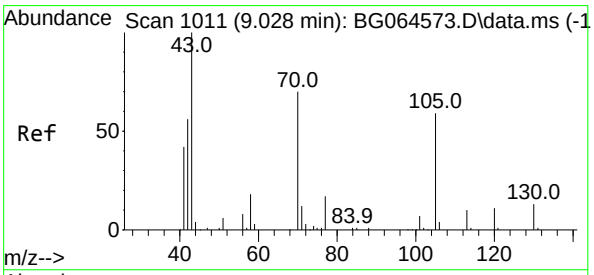
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	22.9
71	35.8

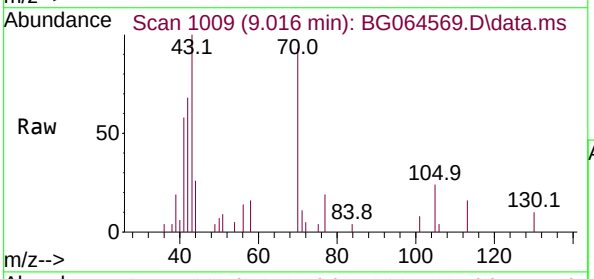


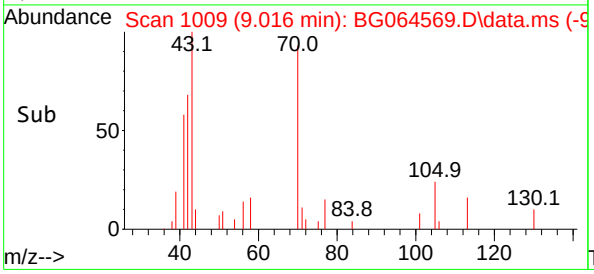


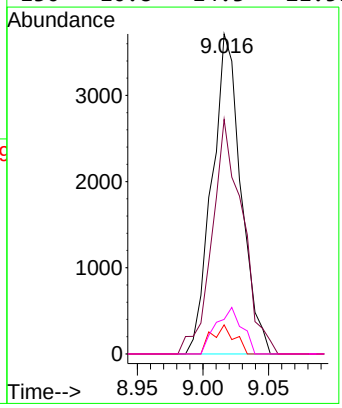
#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

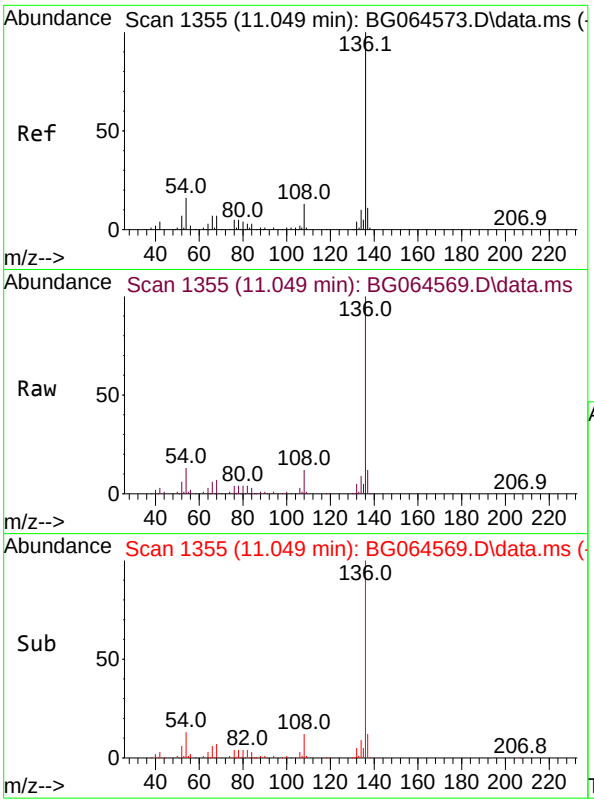
Tgt Ion: 70 Resp: 5707

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#







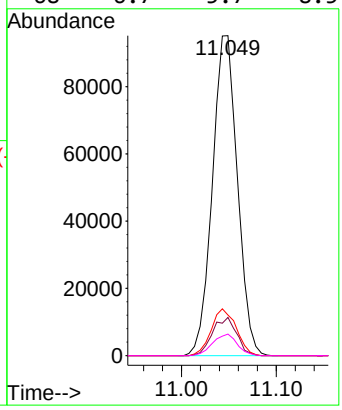


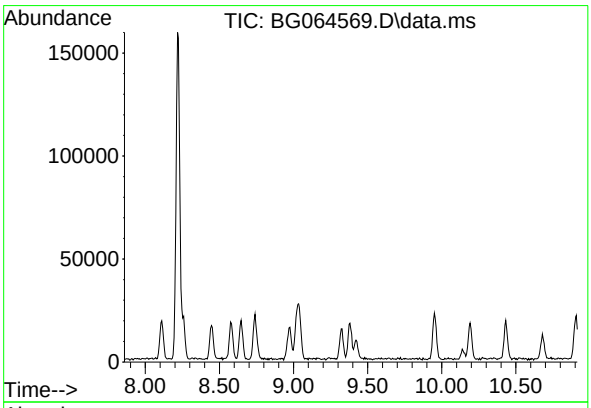
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



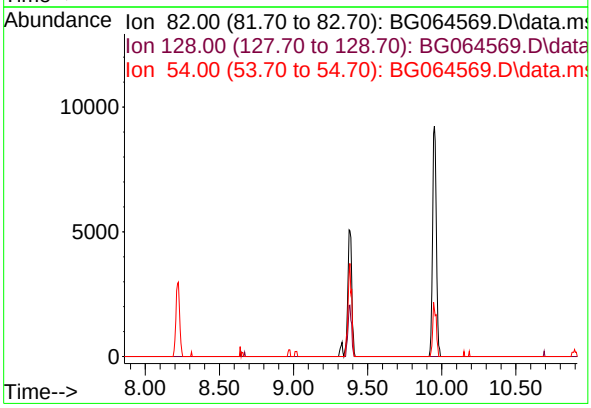


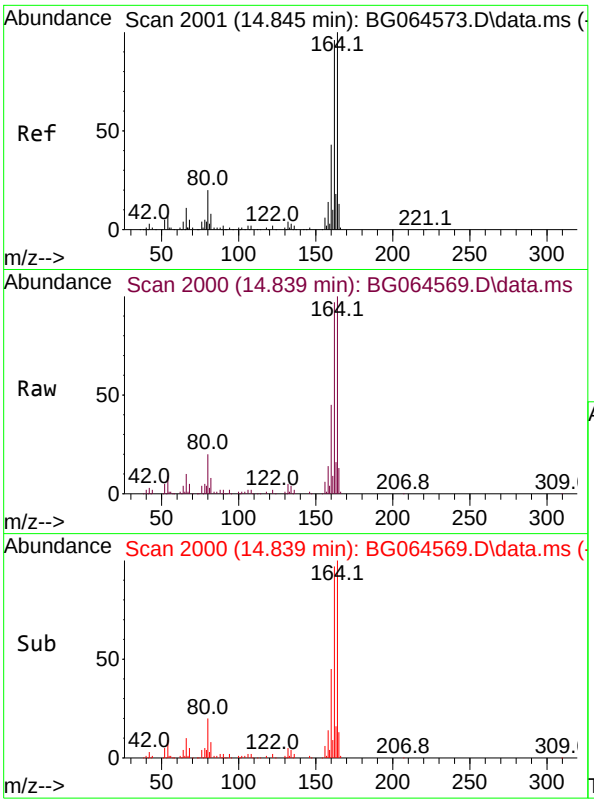
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7



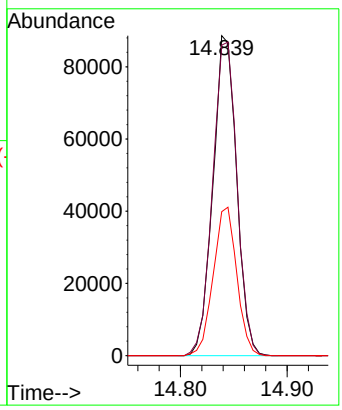


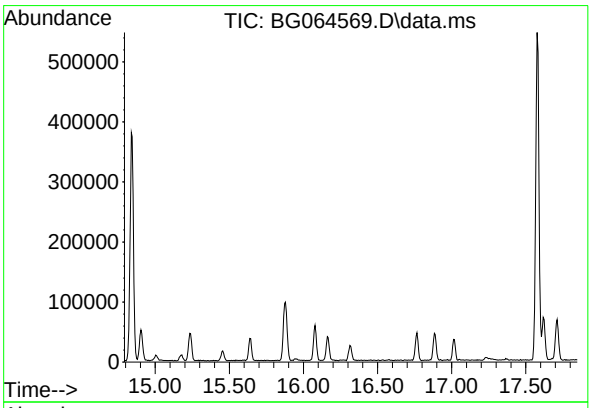
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



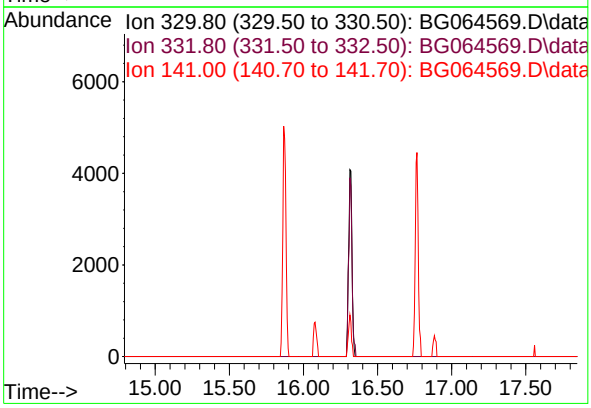


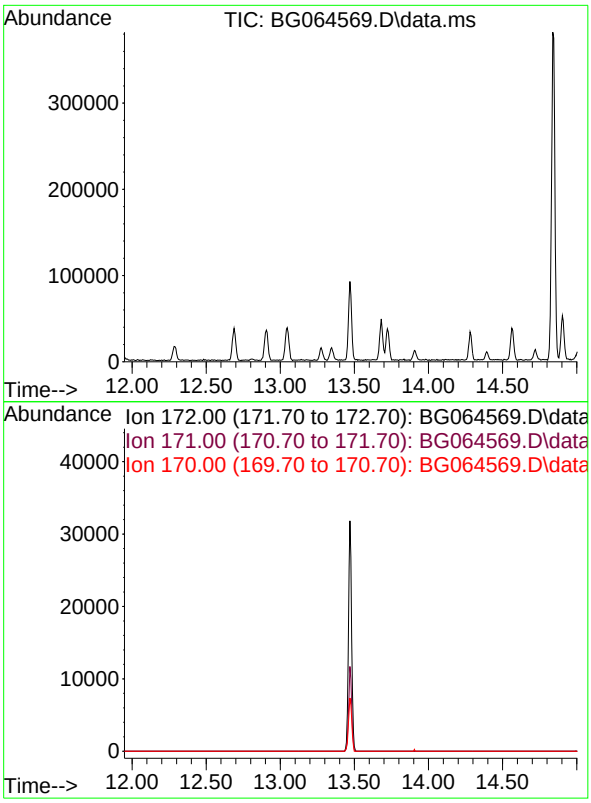
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2





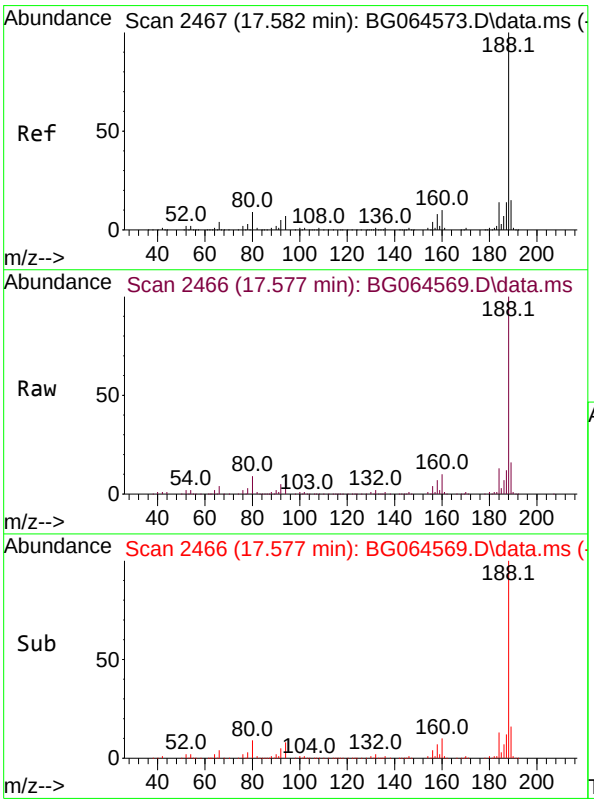
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

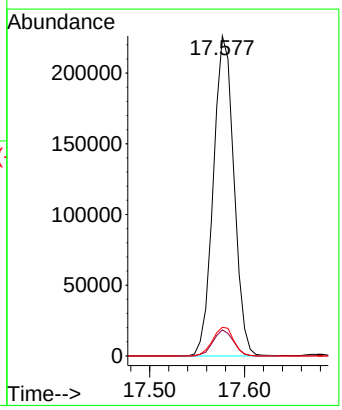
Sig	Exp Ratio
172	100
171	36.7
170	23.9

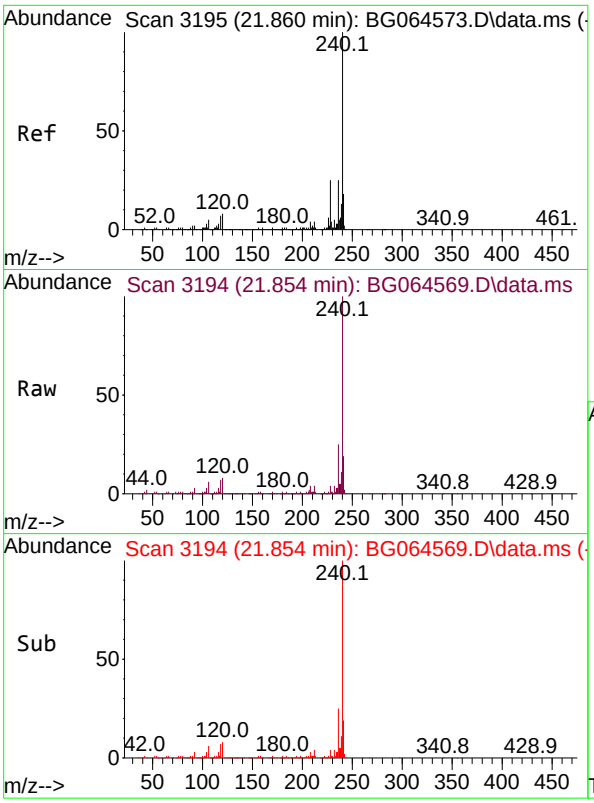


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



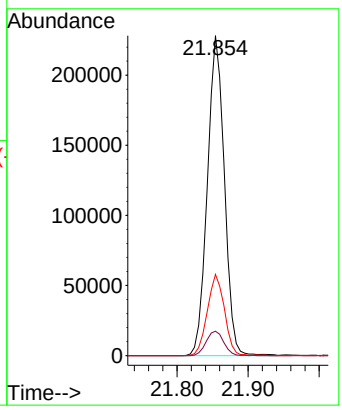


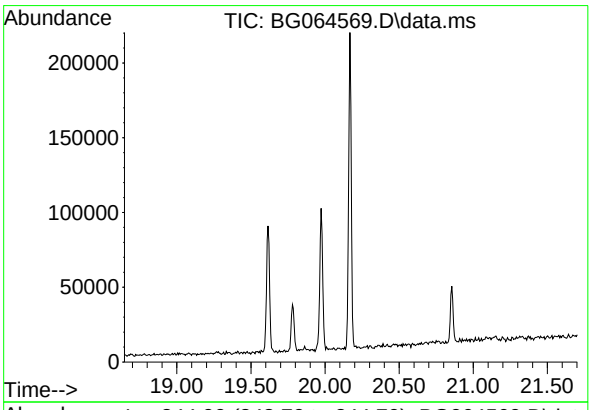
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



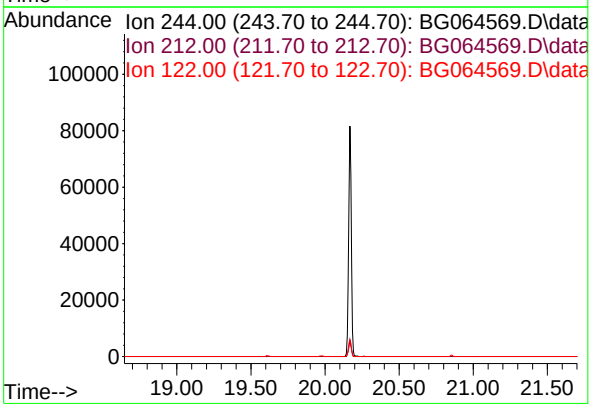


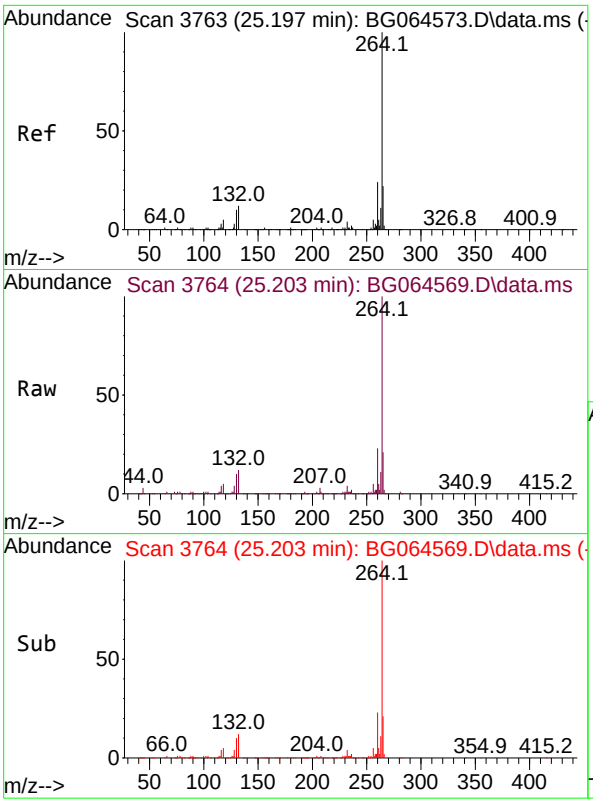
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.17 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0



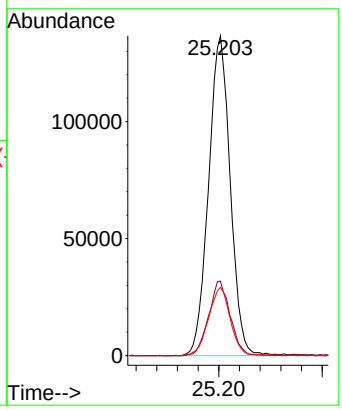


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



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

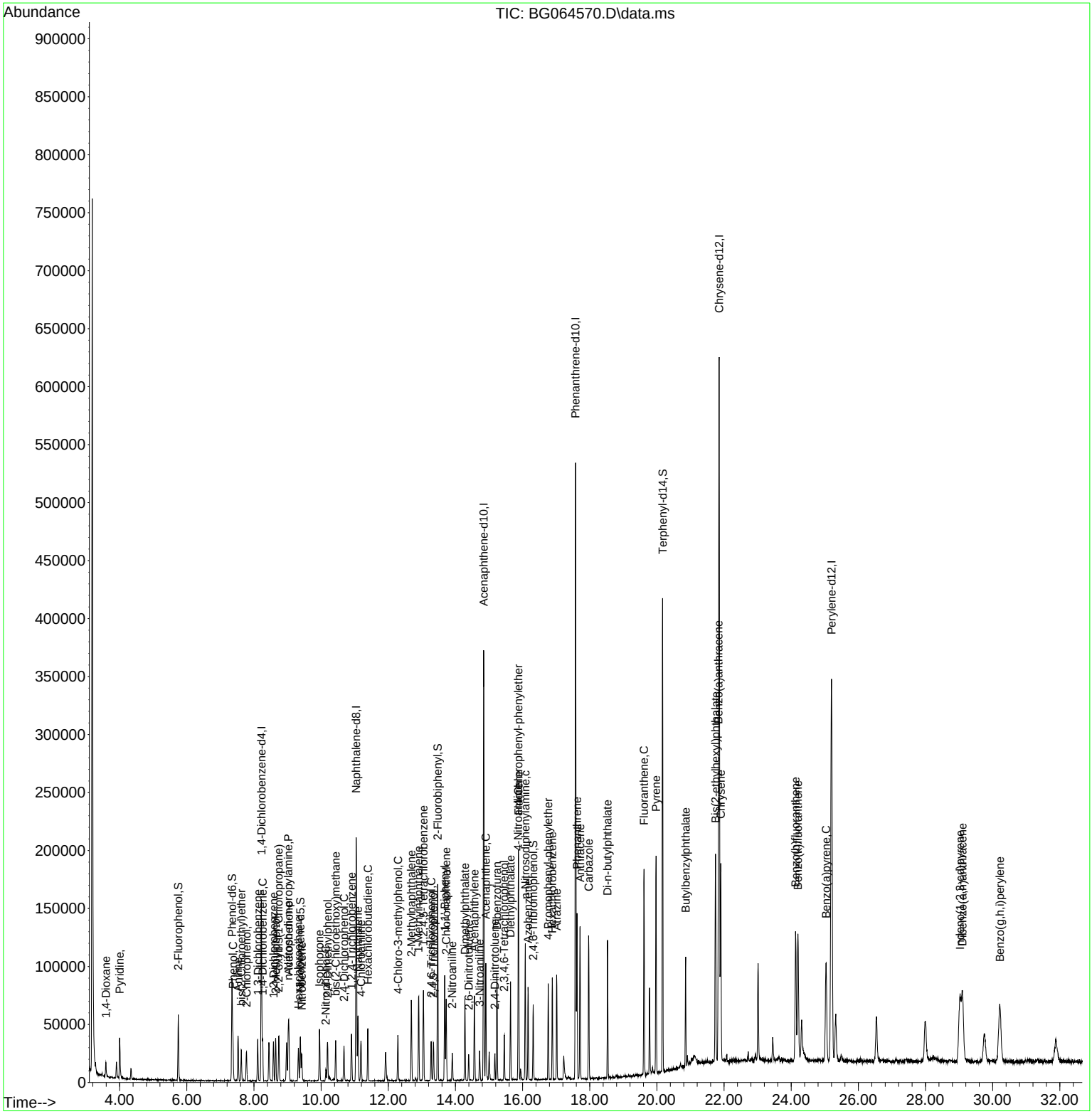
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

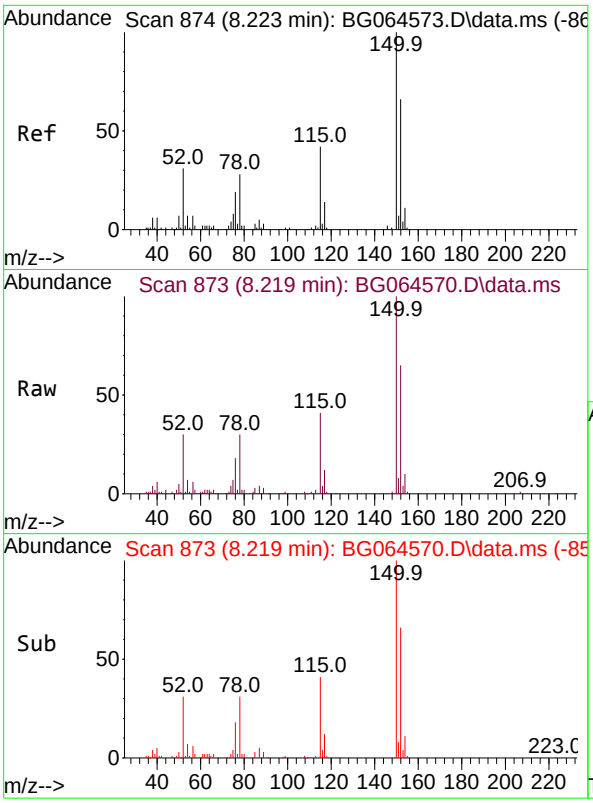
Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

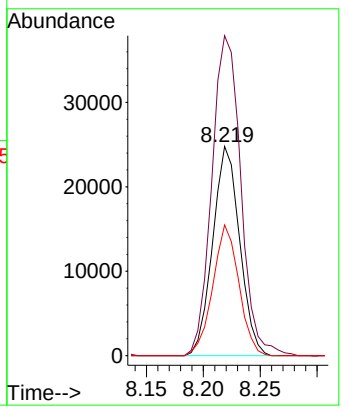




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 4083

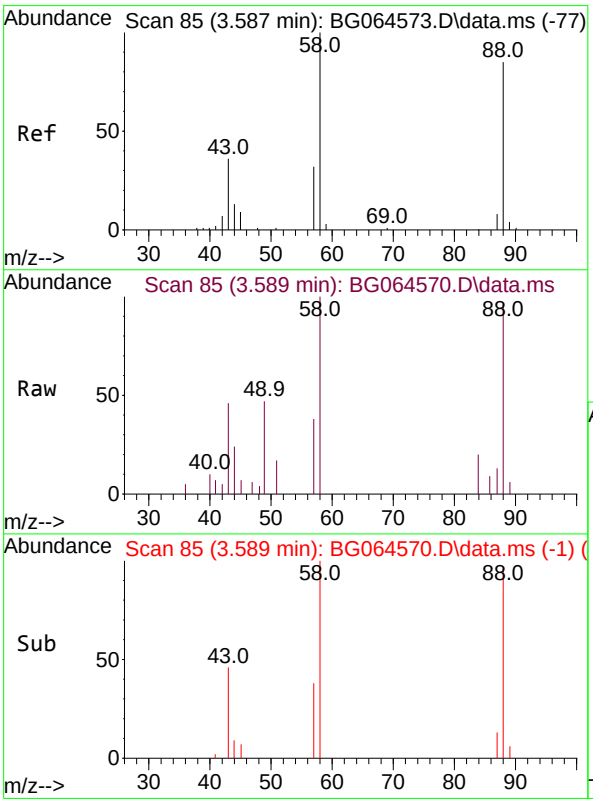
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

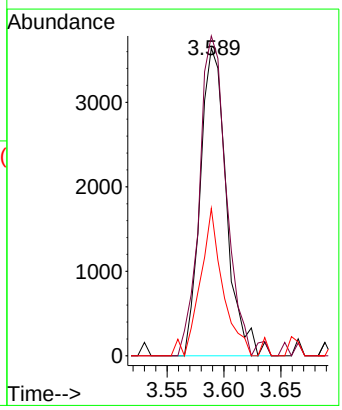
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

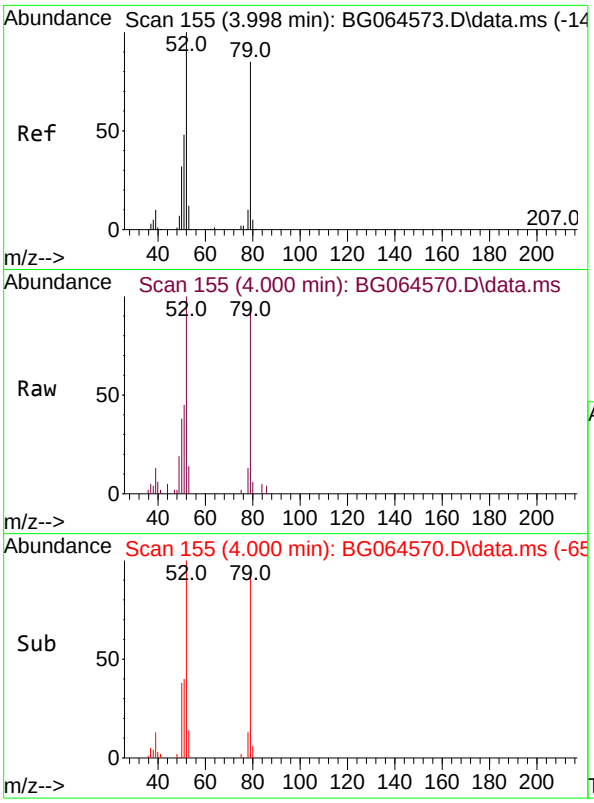


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

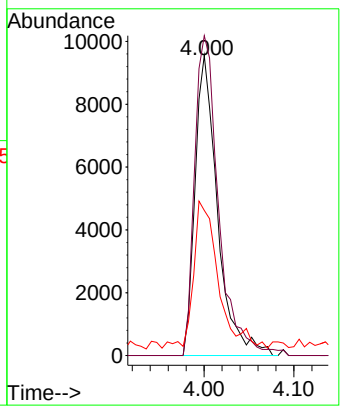




#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 79 Resp: 1663

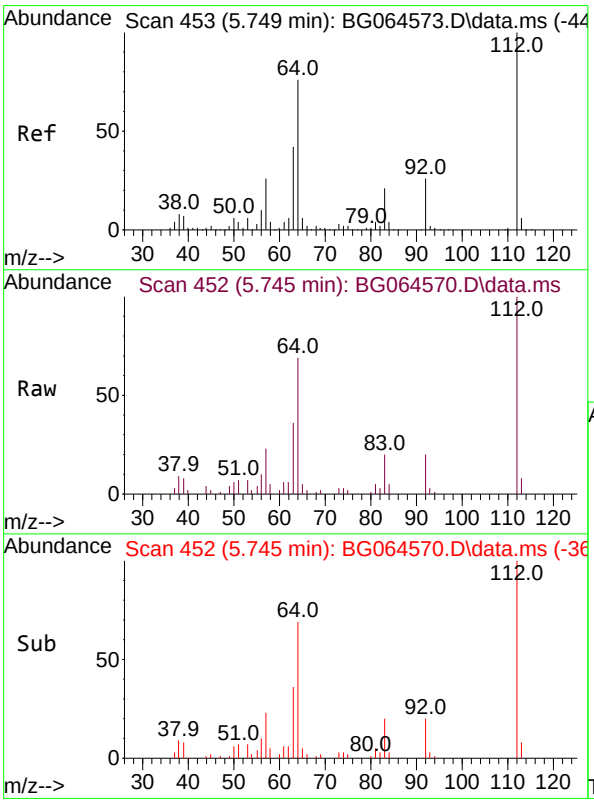
Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

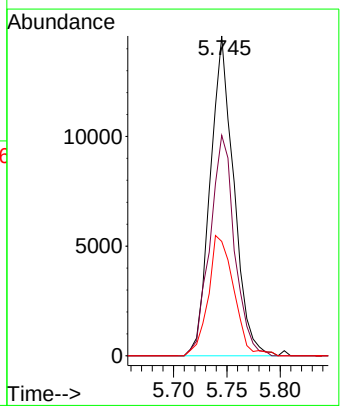
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

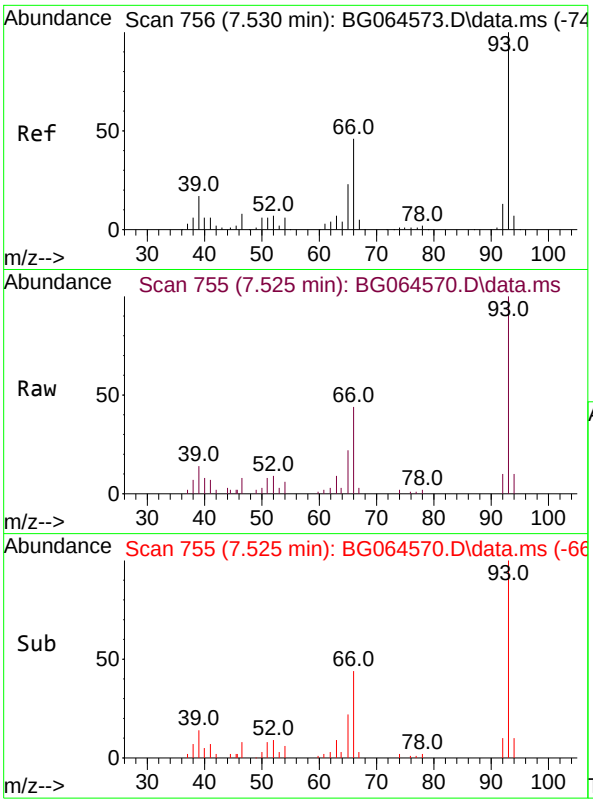


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

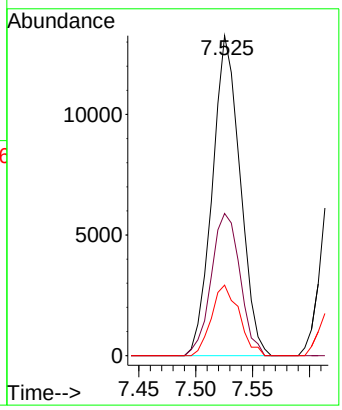




#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

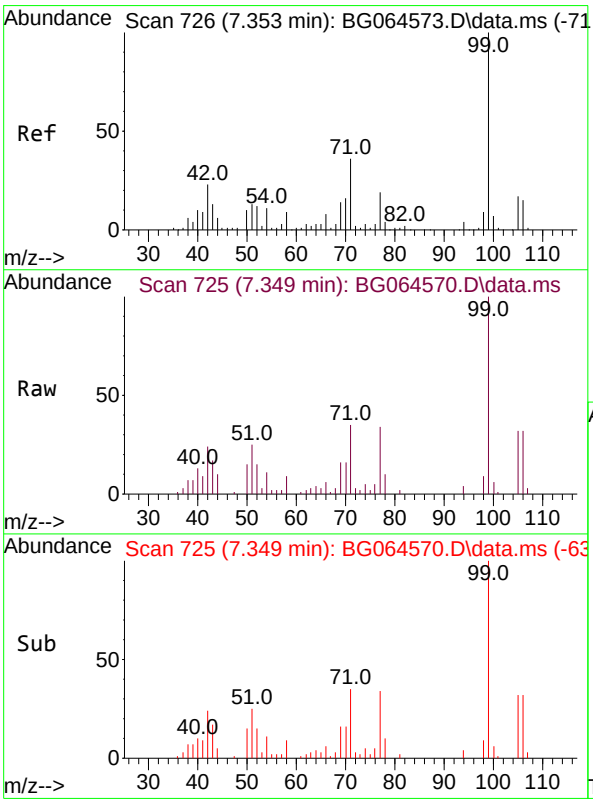
Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

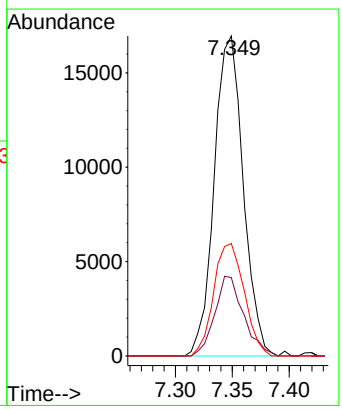
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

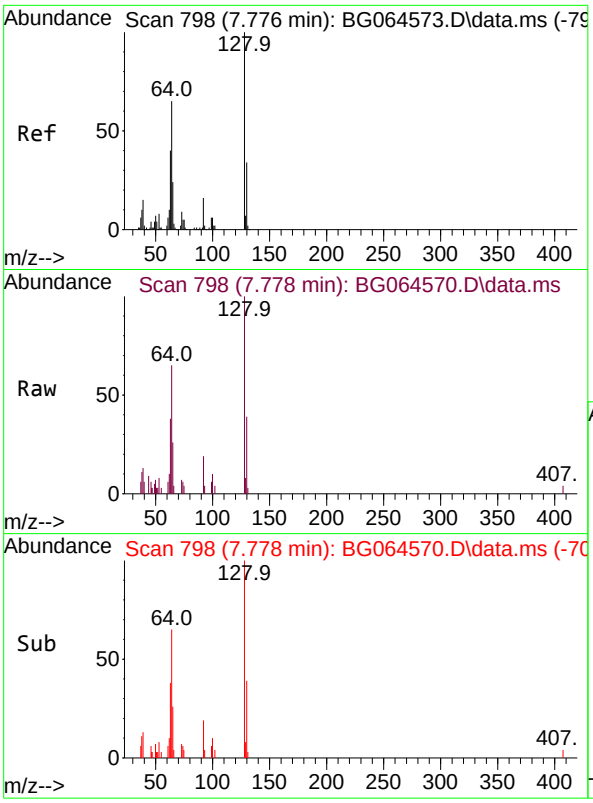


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

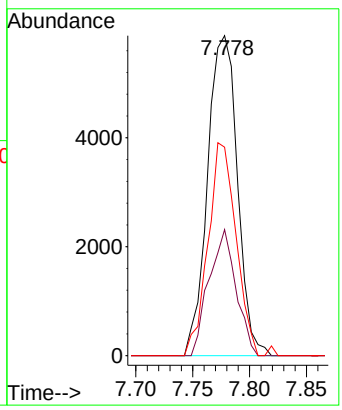




#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

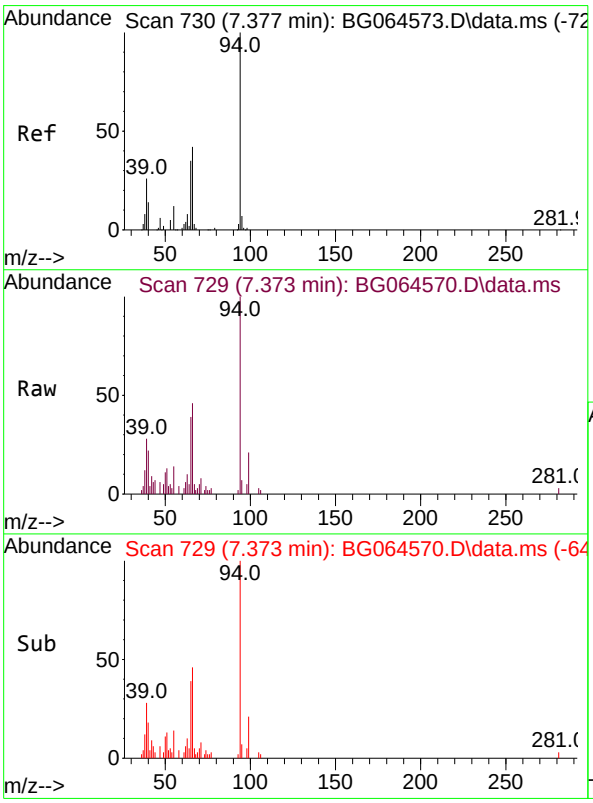
Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

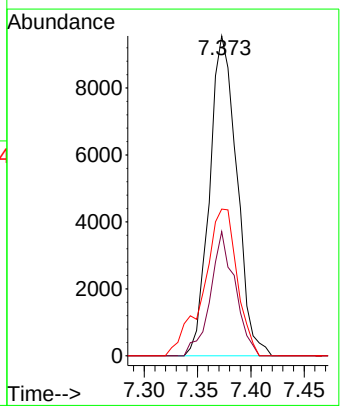
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

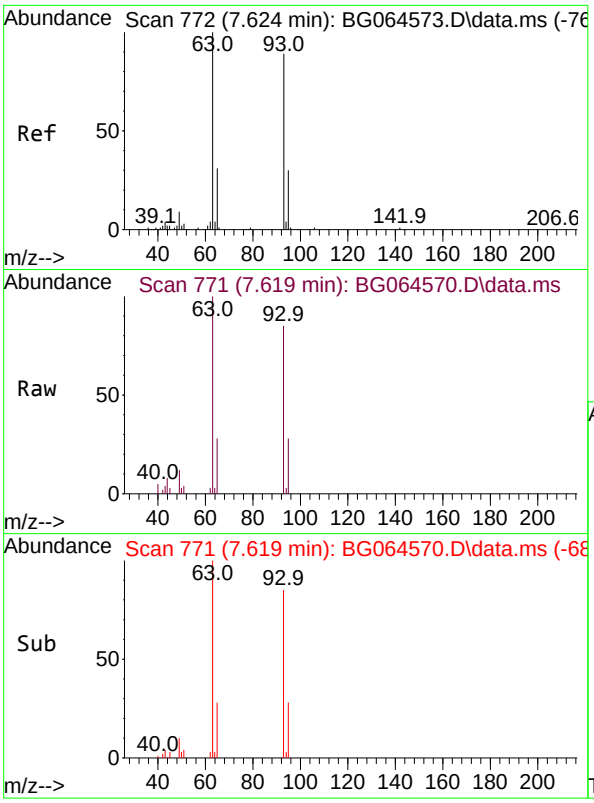


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

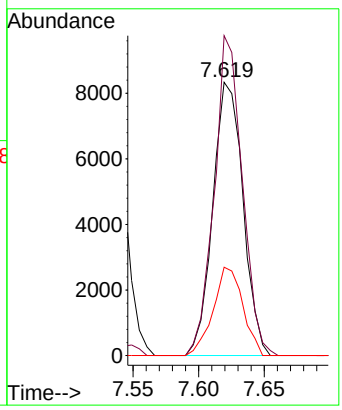




#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.619 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 1334

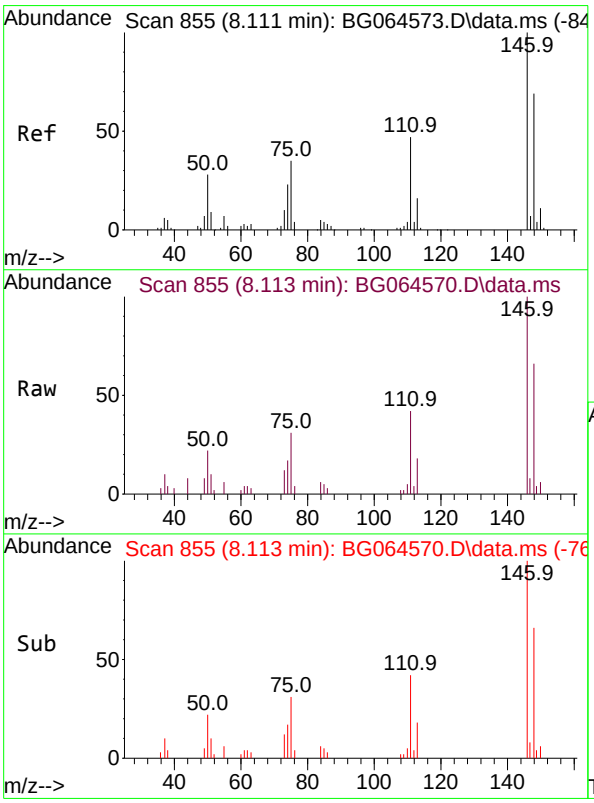
Ion	Ratio	Lower	Upper
93	100		
63	117.0	91.3	131.3
95	32.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

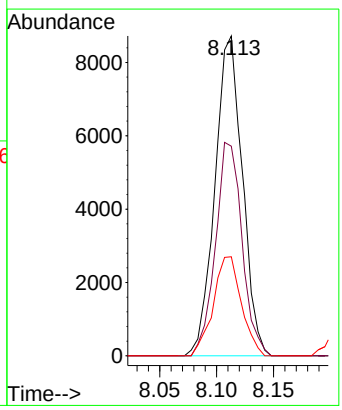
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

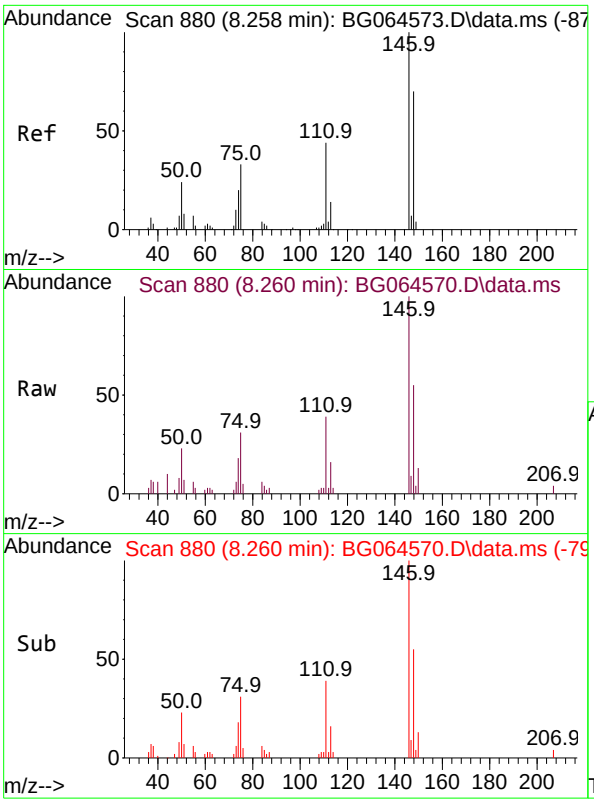


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

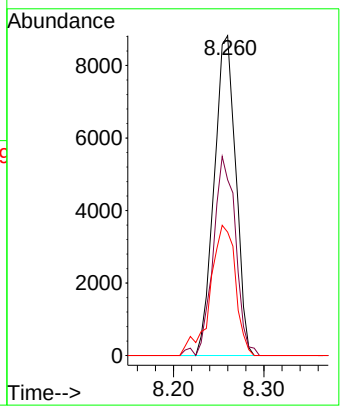




#13
1,4-Dichlorobenzene
Concen: 4.902 ng m
RT: 8.260 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 1461

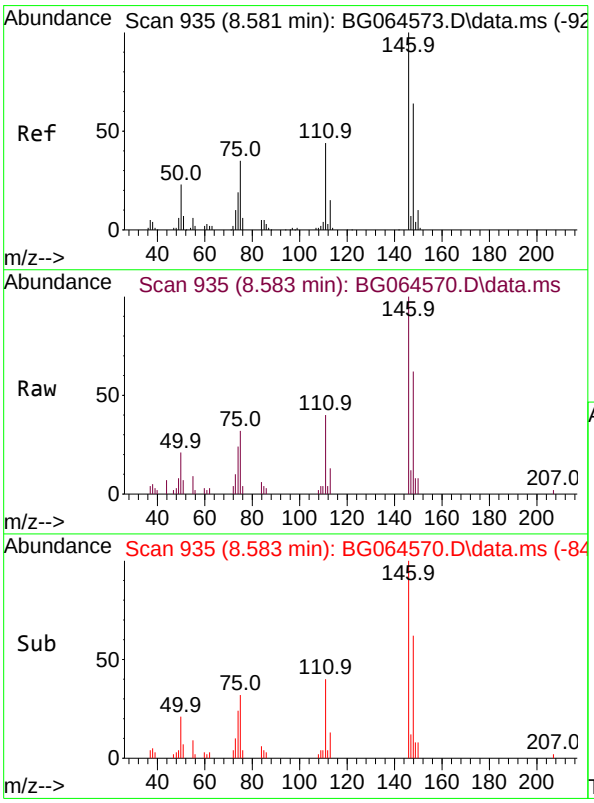
Ion	Ratio	Lower	Upper
146	100		
148	54.9	56.2	84.4
111	38.6	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

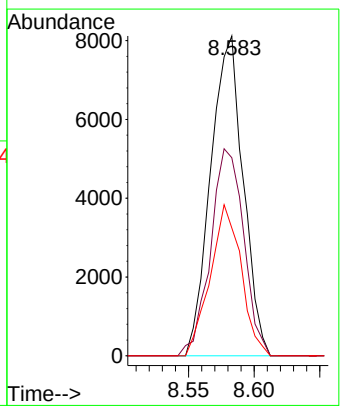
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

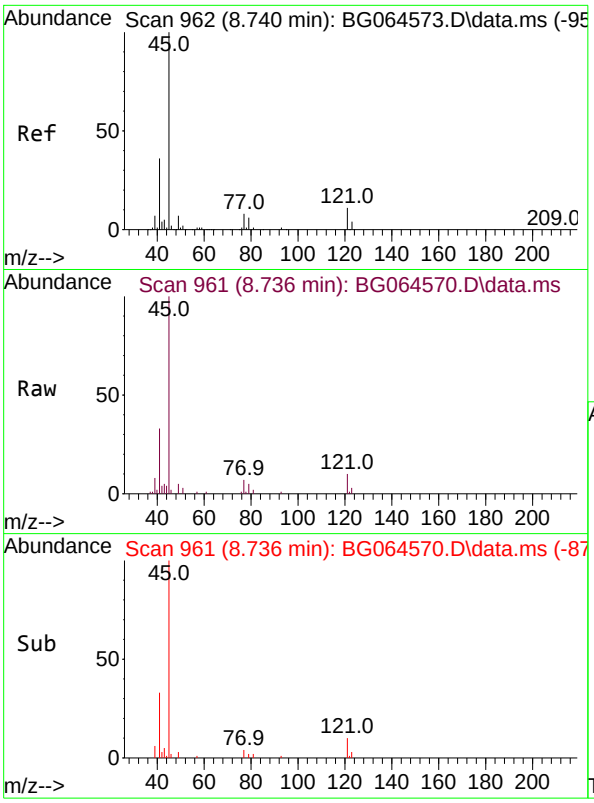


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

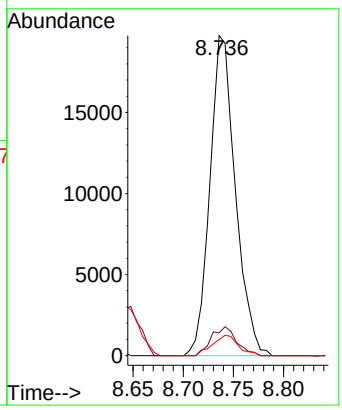
Tgt Ion: 45 Resp: 3492

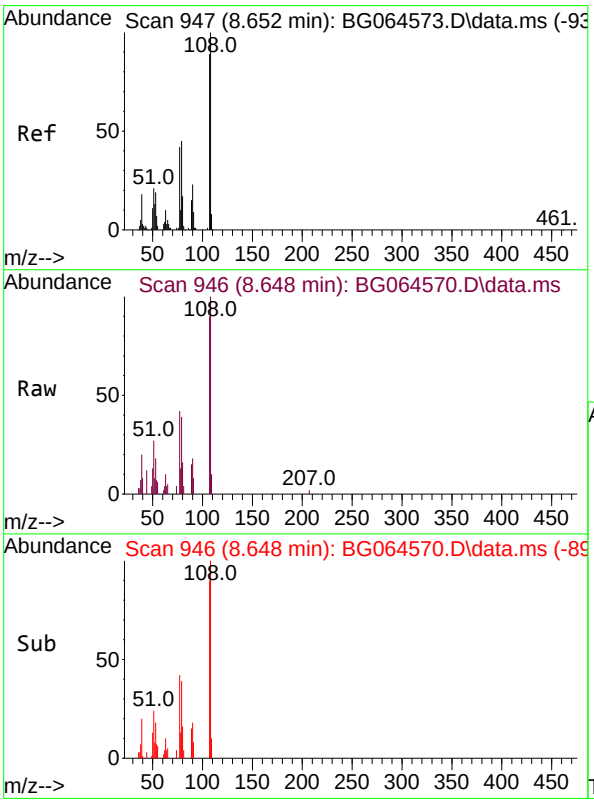
Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

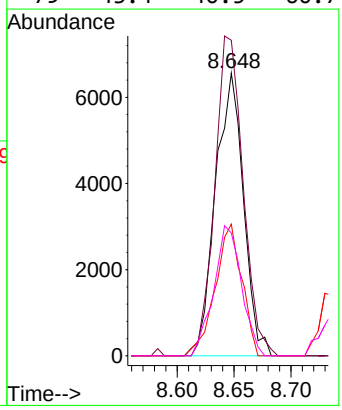


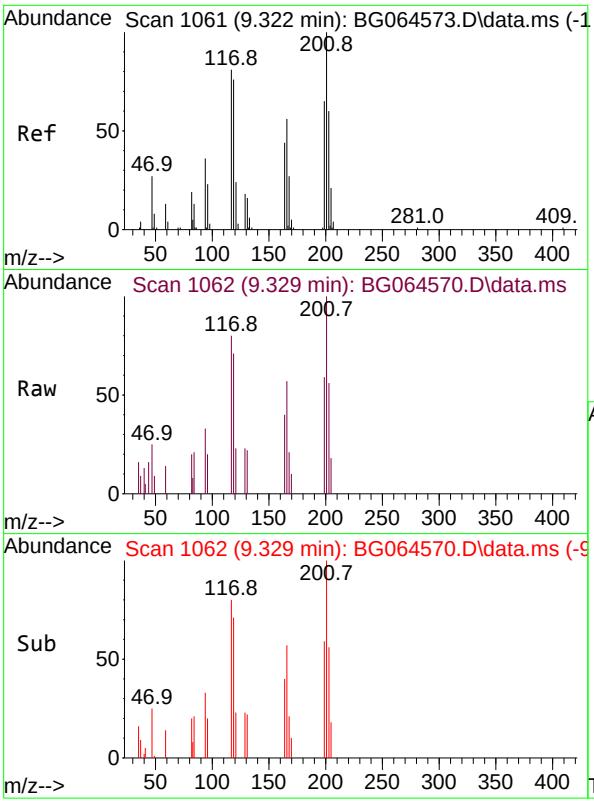


#17
2-Methylphenol
Concen: 4.593 ng
RT: 8.648 min Scan# 946
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

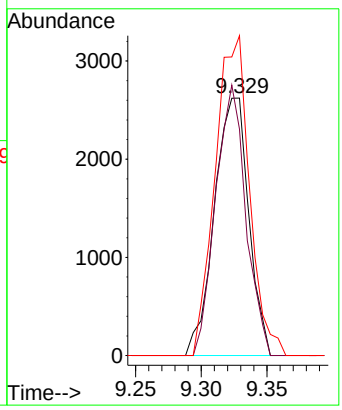




#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:117 Resp: 477

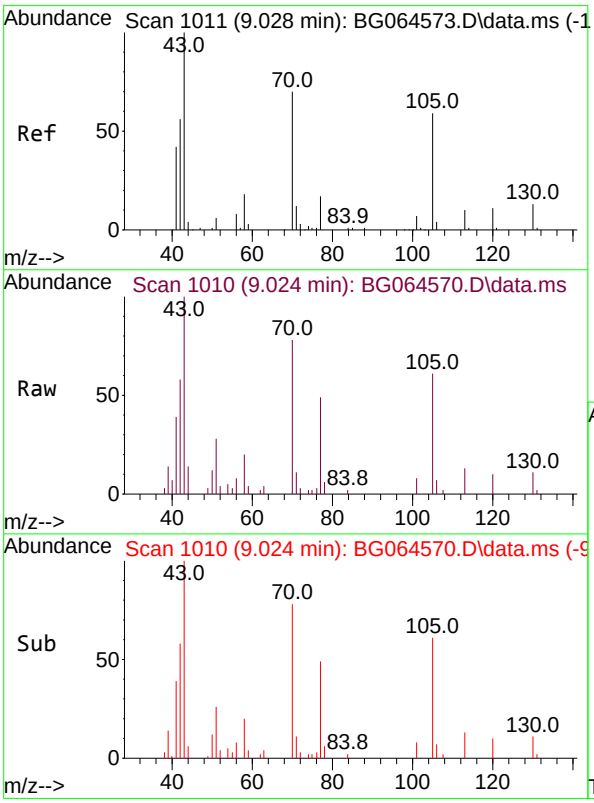
Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

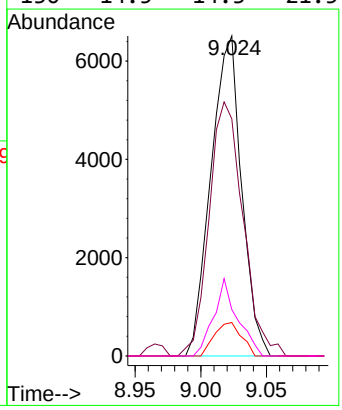
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

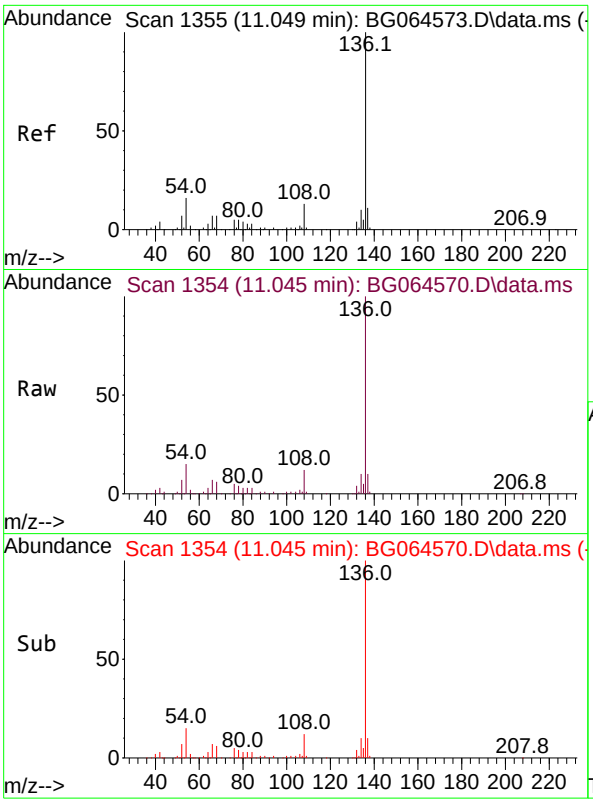


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

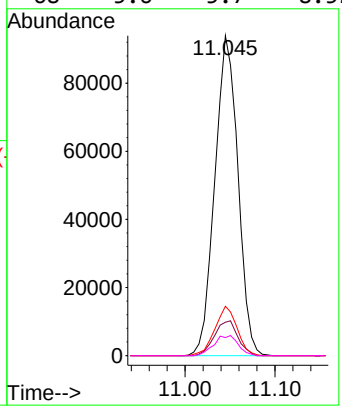




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:136 Resp: 16828

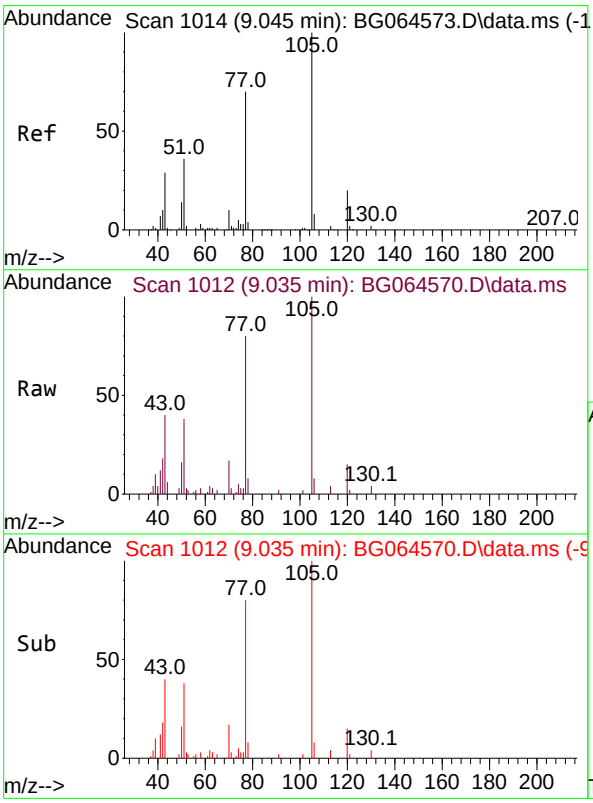
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	15.4	12.6	19.0
68	5.6	5.7	8.5#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

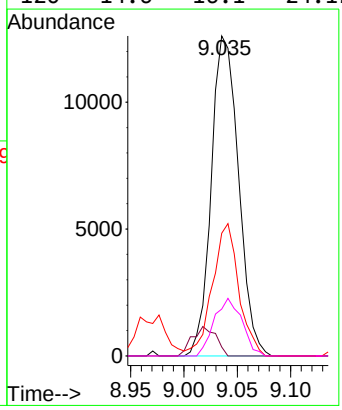
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

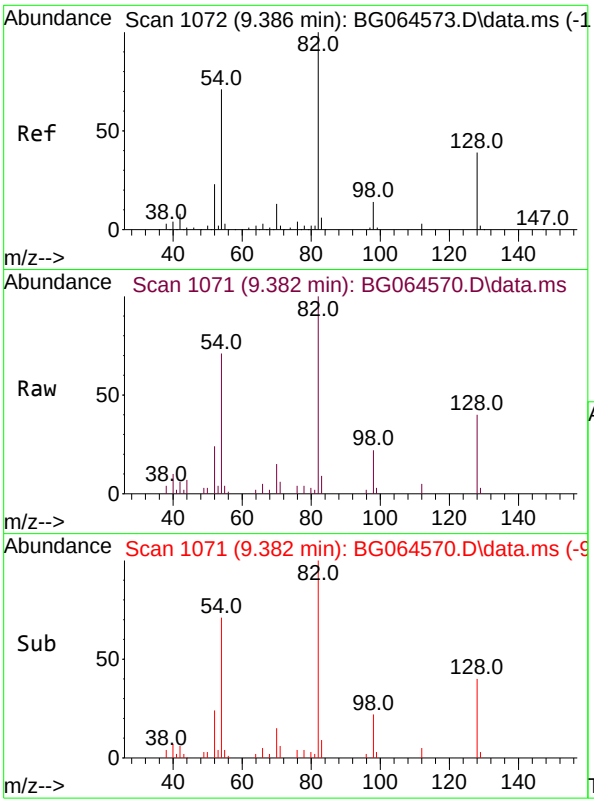


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

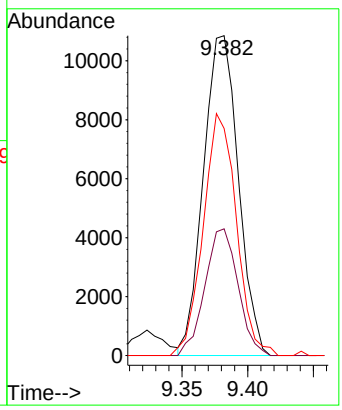




#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 2009

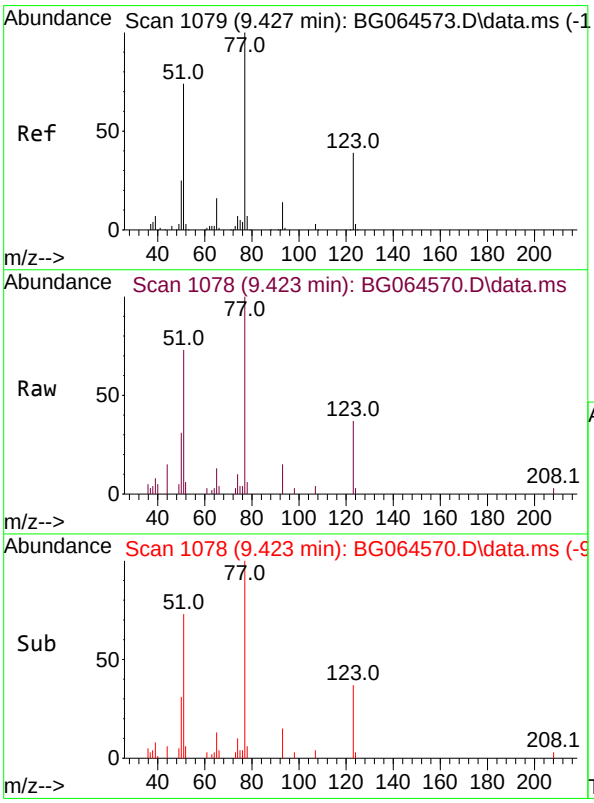
Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

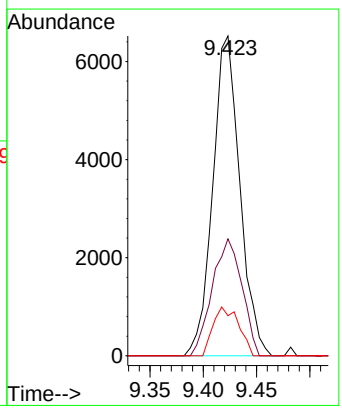
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

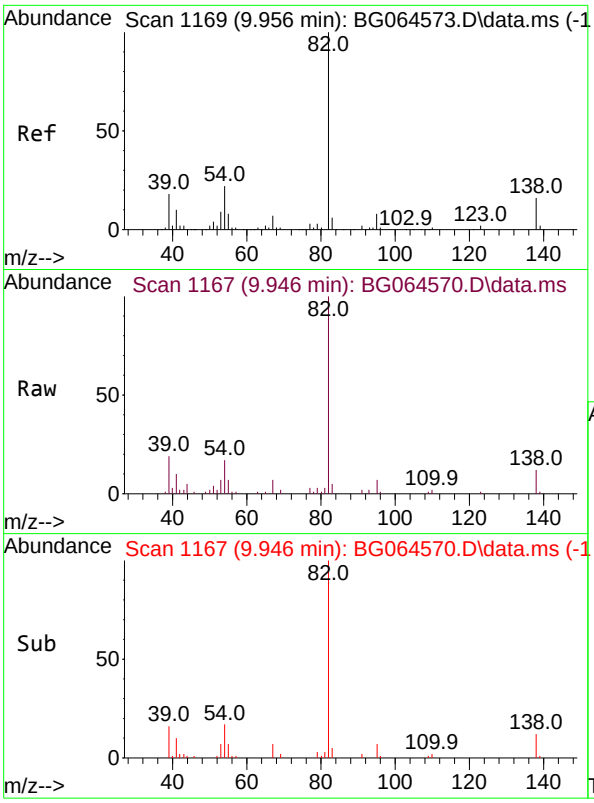


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

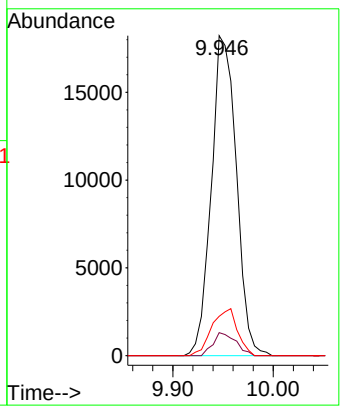




#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 3160

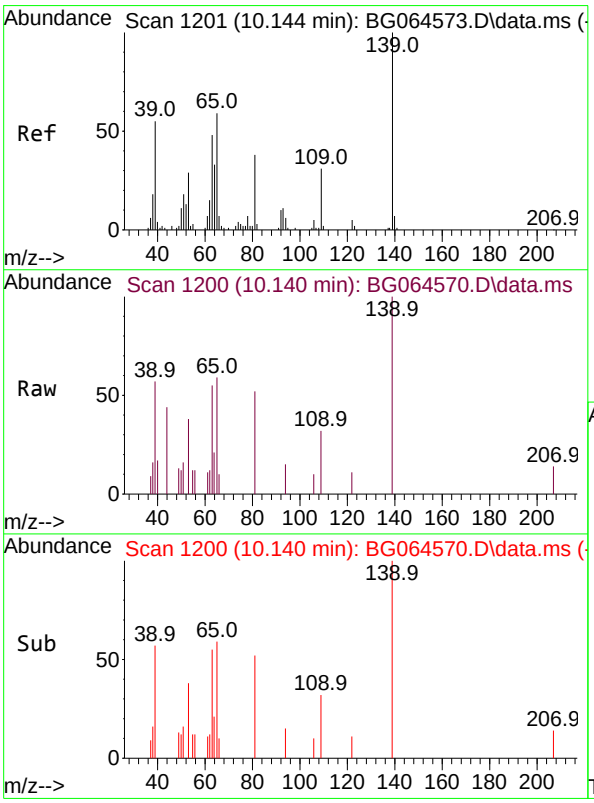
Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

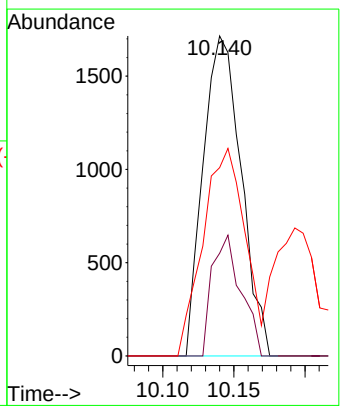
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

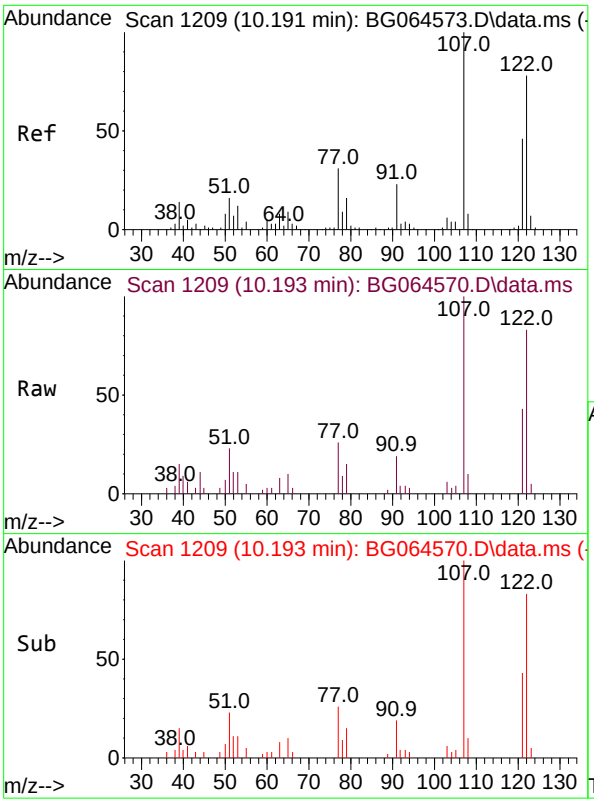


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

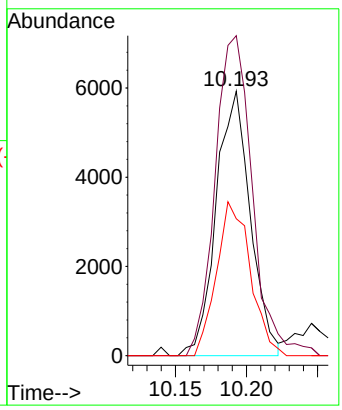




#27
2,4-Dimethylphenol
Concen: 3.969 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:122 Resp: 992

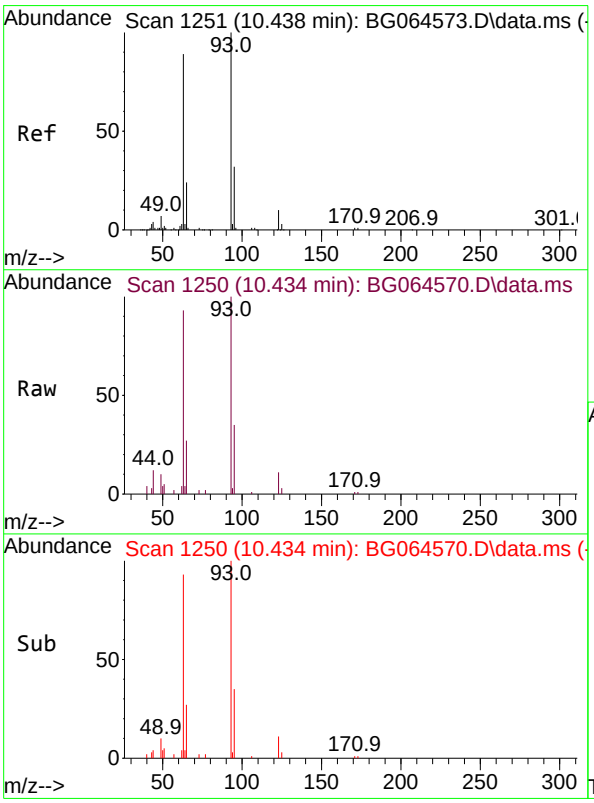
Ion	Ratio	Lower	Upper
122	100		
107	121.0	103.0	154.4
121	51.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

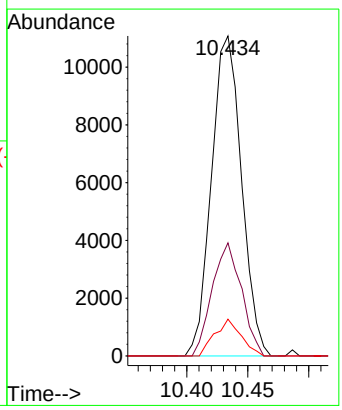
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

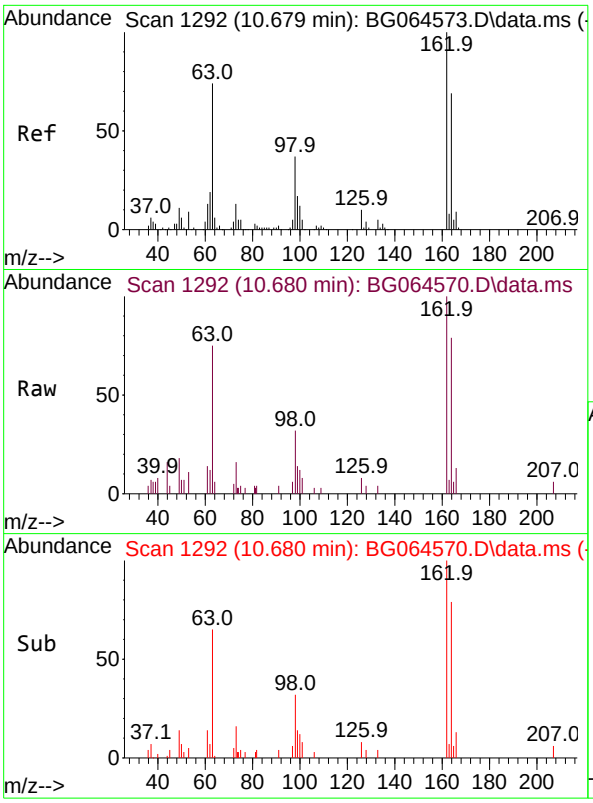


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

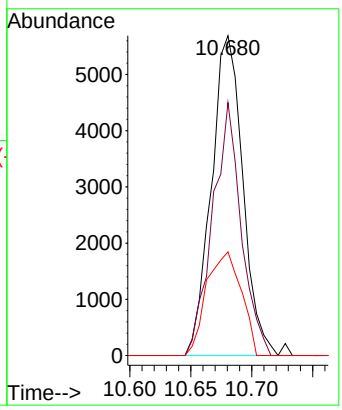




#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 1022

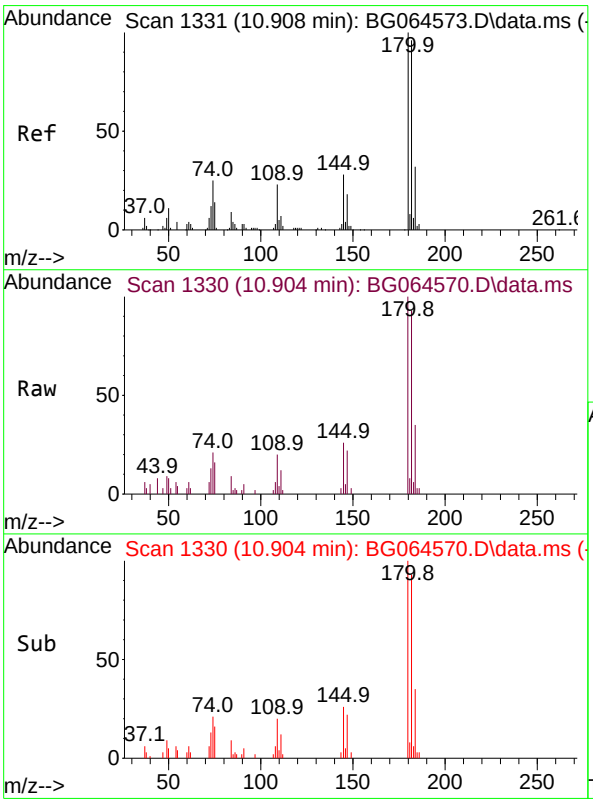
Ion	Ratio	Lower	Upper
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

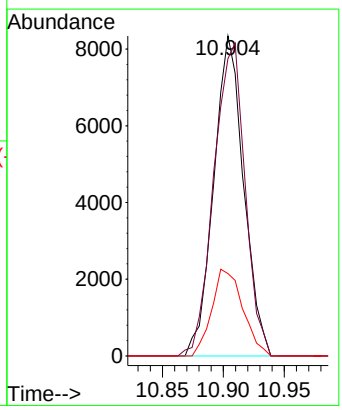
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

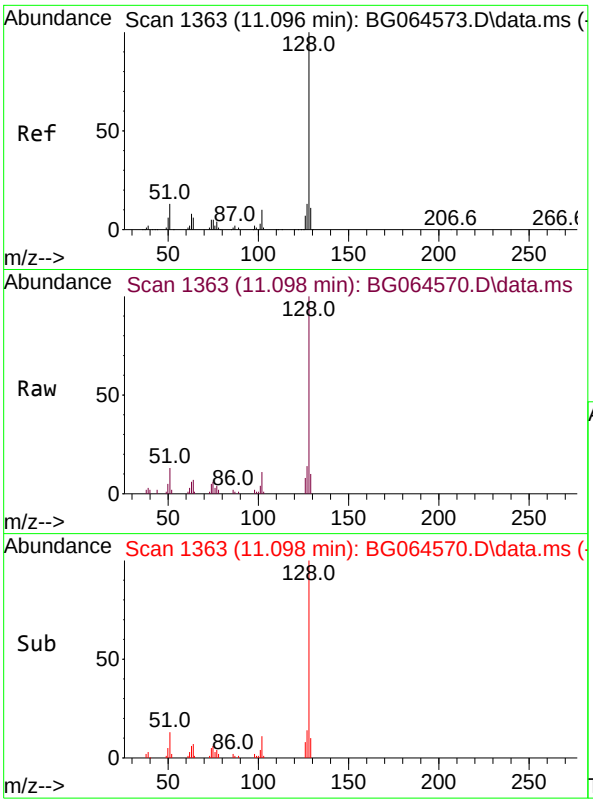


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

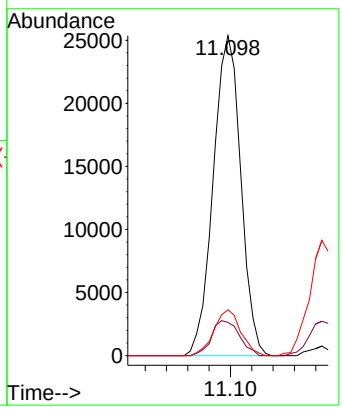




#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 4555

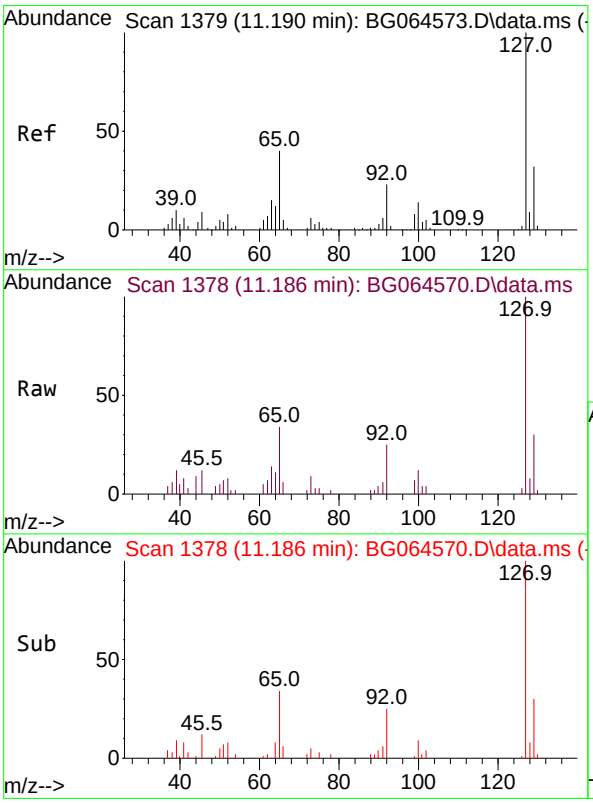
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

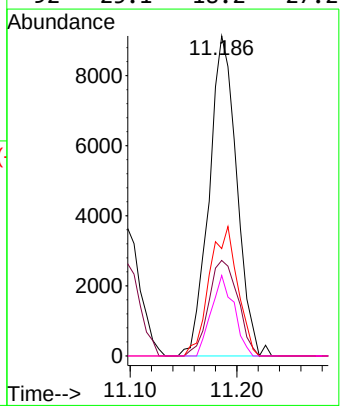
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

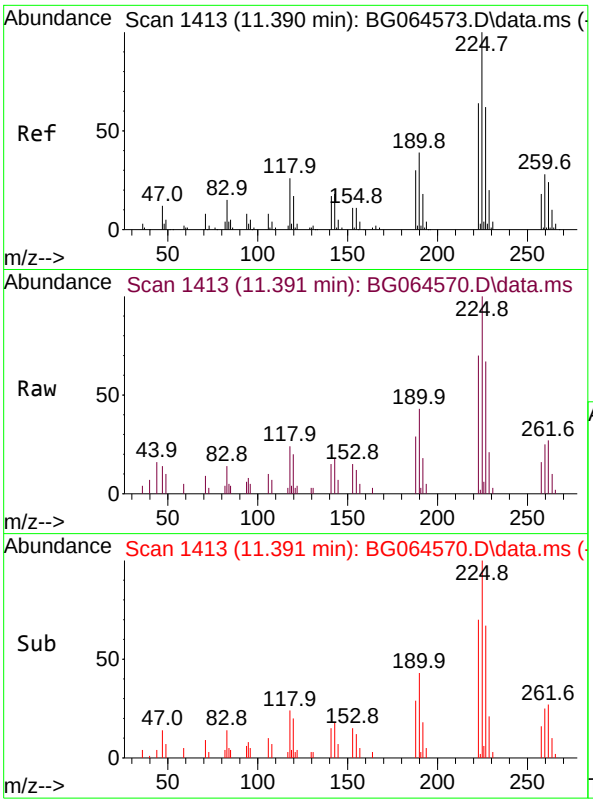


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

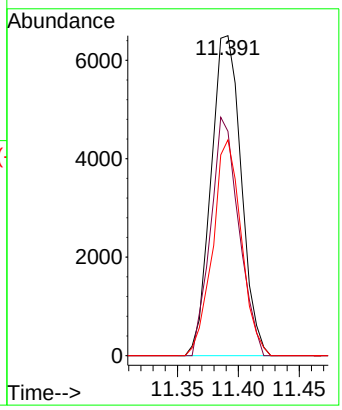




#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:225 Resp: 1121

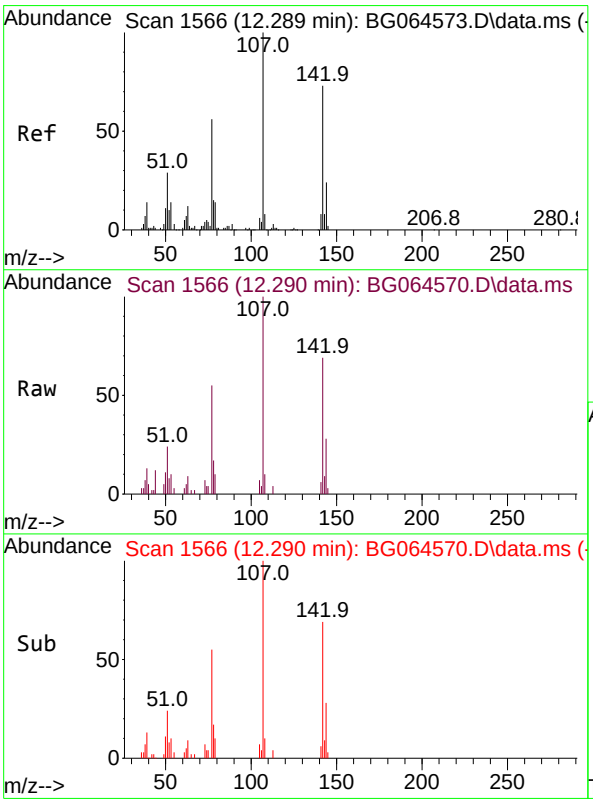
Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	63.9	49.5	74.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

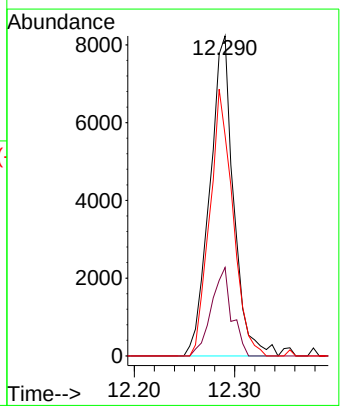
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

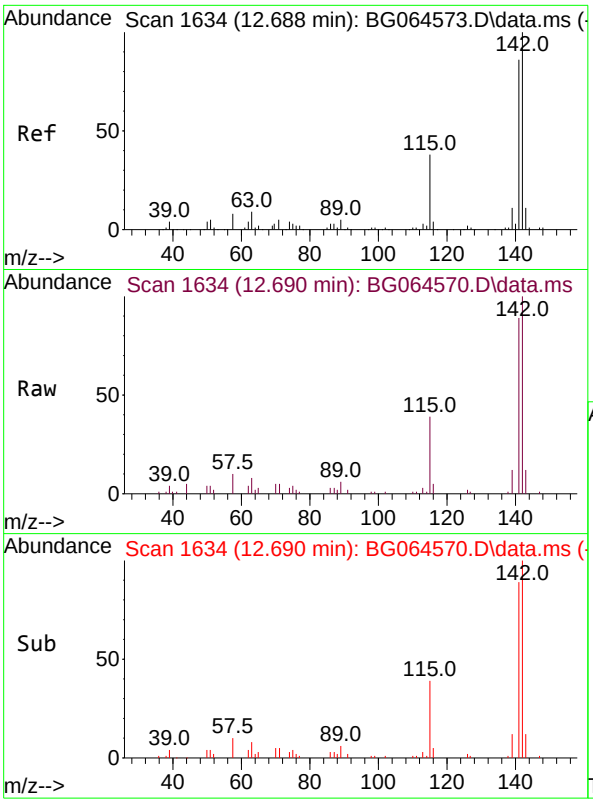


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

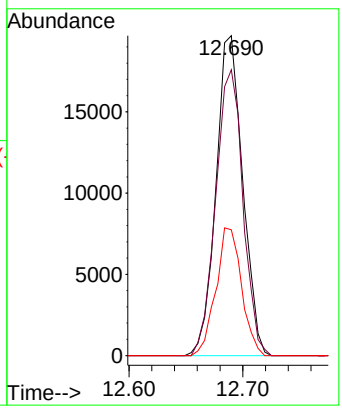




#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 3212

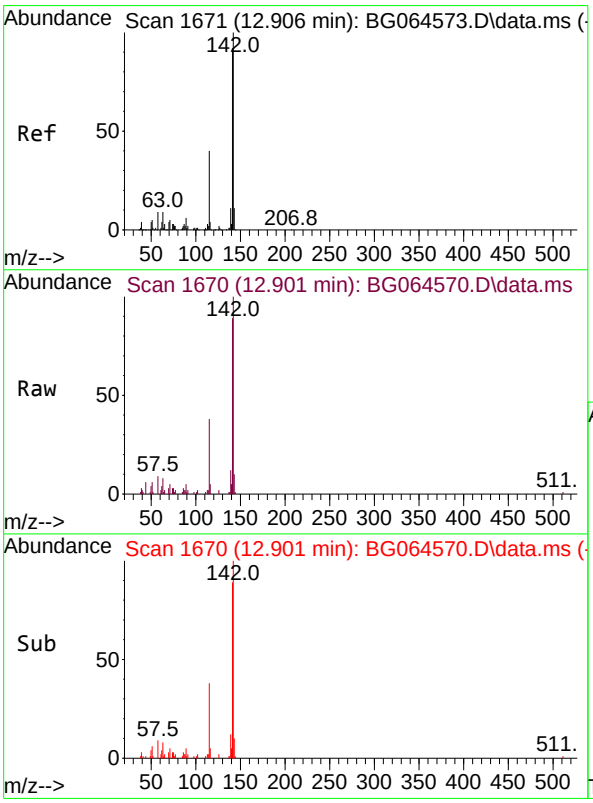
Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

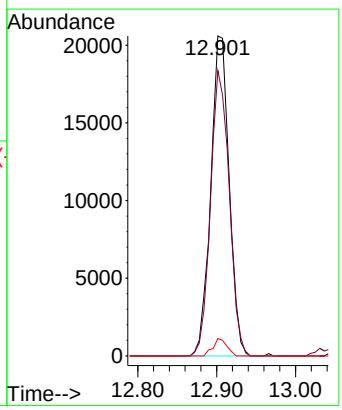
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

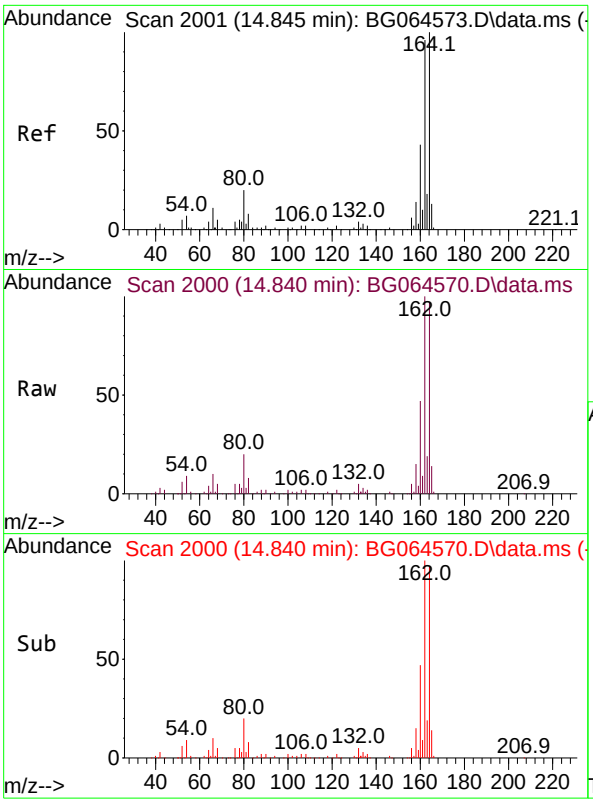


#38
1-Methylnaphthalene
Concen: 4.951 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

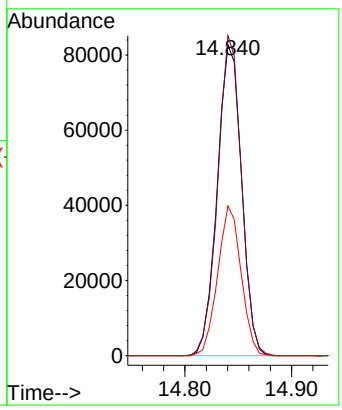




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:164 Resp: 13138

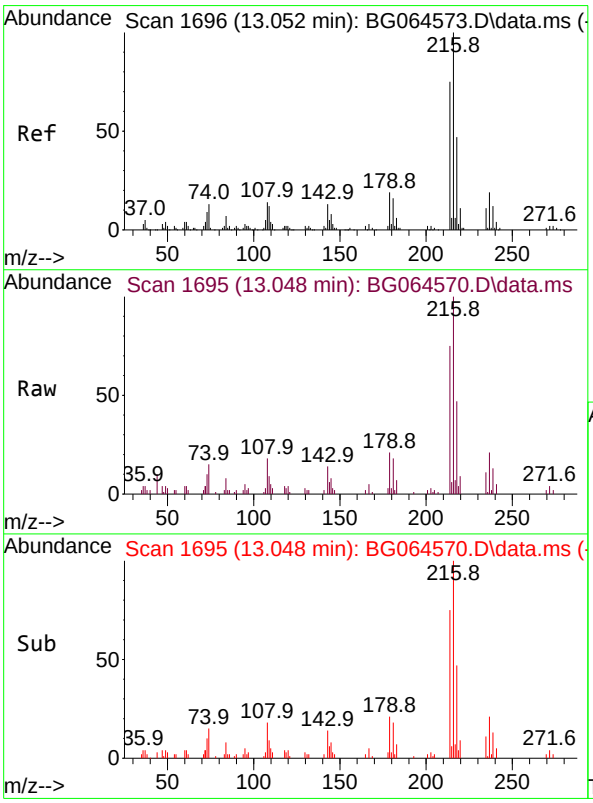
Ion	Ratio	Lower	Upper
164	100		
162	103.0	77.0	115.6
160	48.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

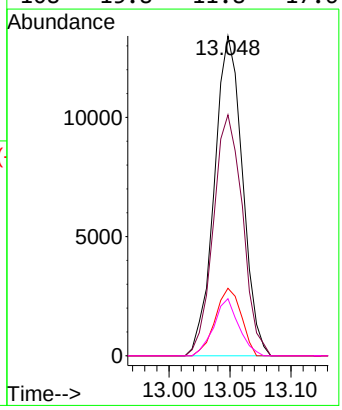
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

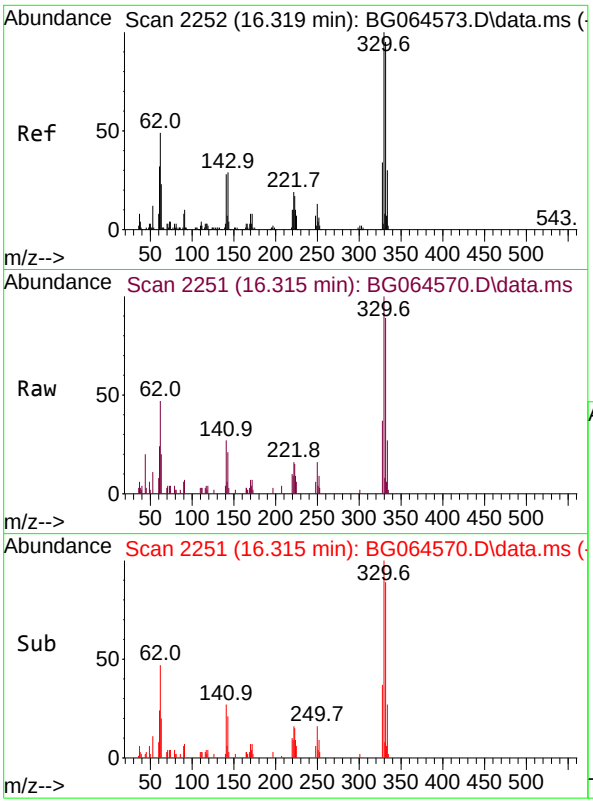


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

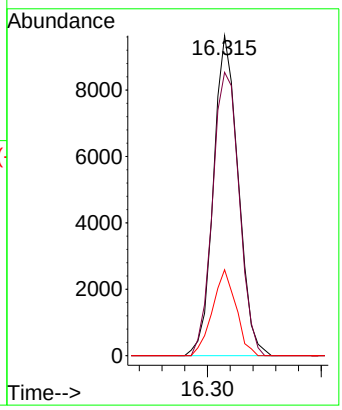




#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:330 Resp: 1451

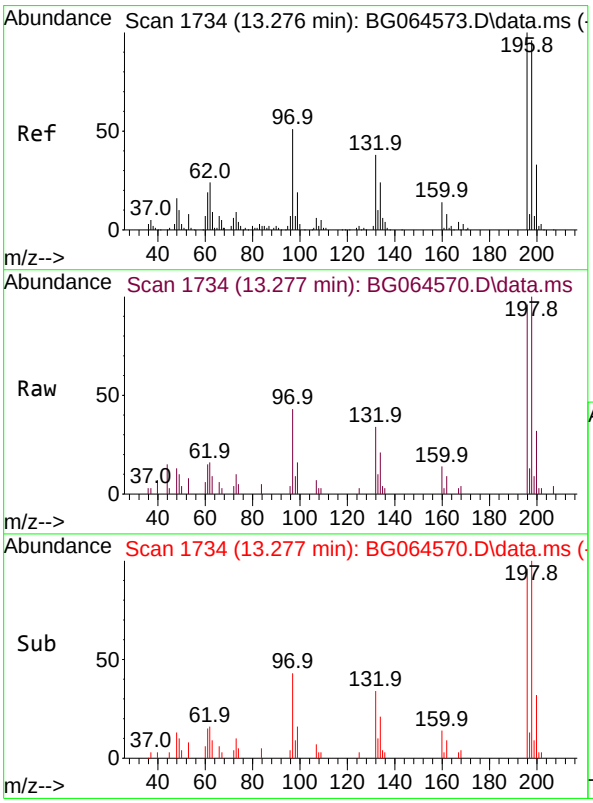
Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	25.5	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

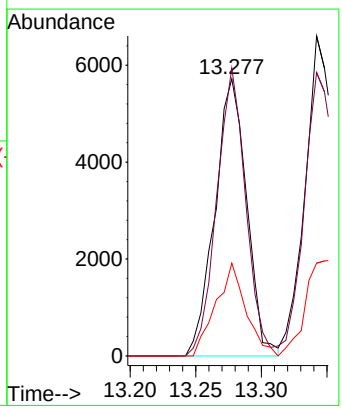
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

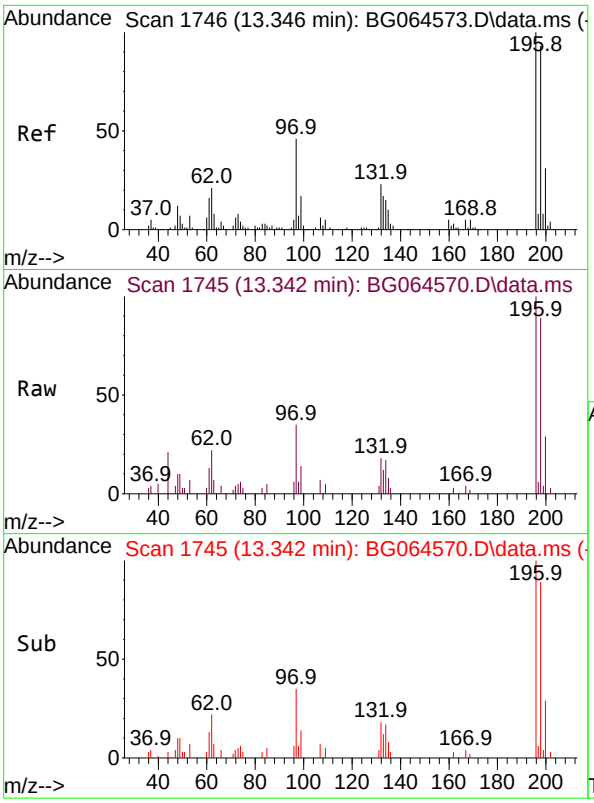


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

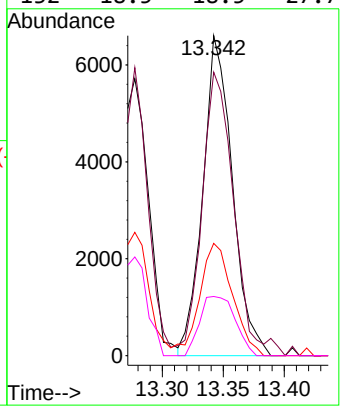




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 1115

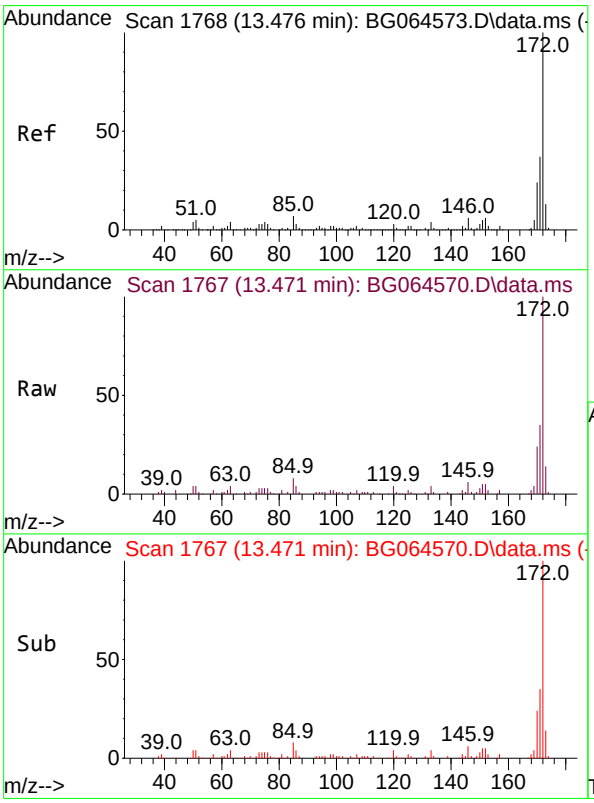
Ion	Ratio	Lower	Upper
196	100		
198	88.6	74.2	111.4
97	35.1	37.0	55.6#
132	18.5	18.5	27.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

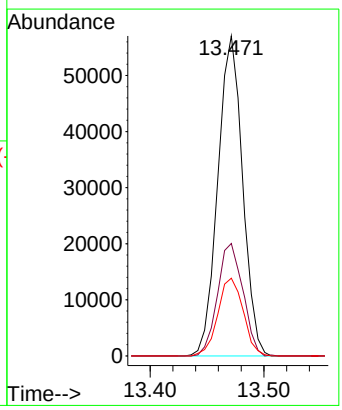
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

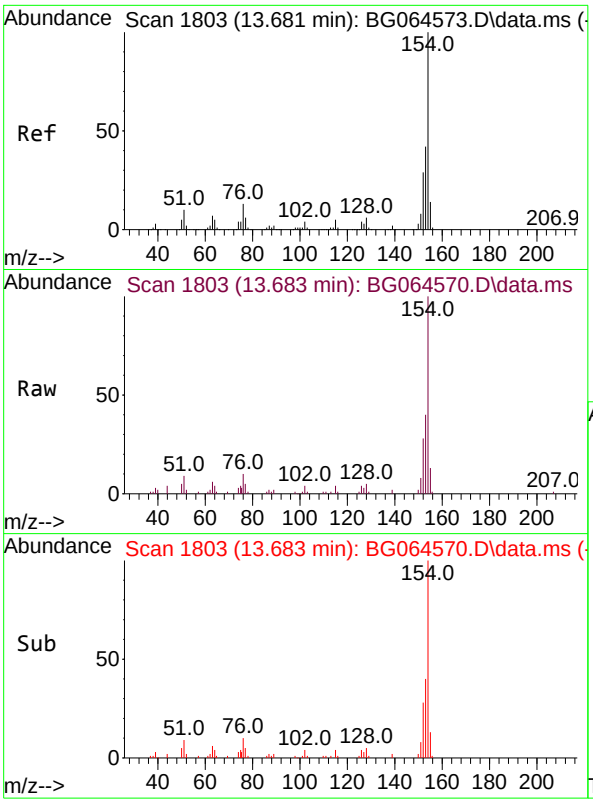


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

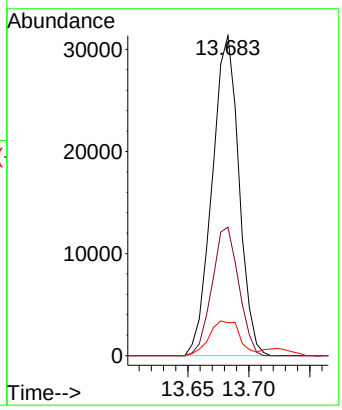




#46
1,1'-Biphenyl
Concen: 5.122 ng
RT: 13.683 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 4784

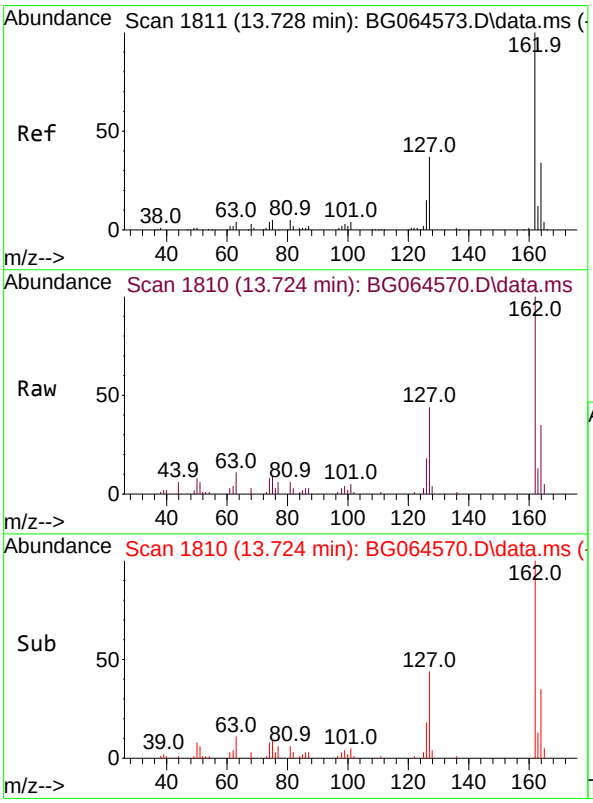
Ion	Ratio	Lower	Upper
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

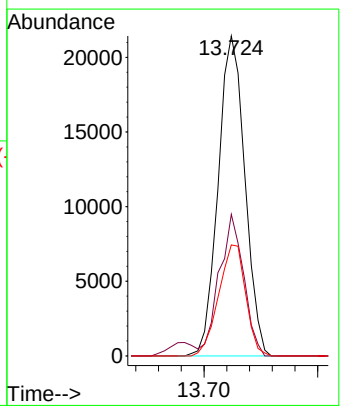
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

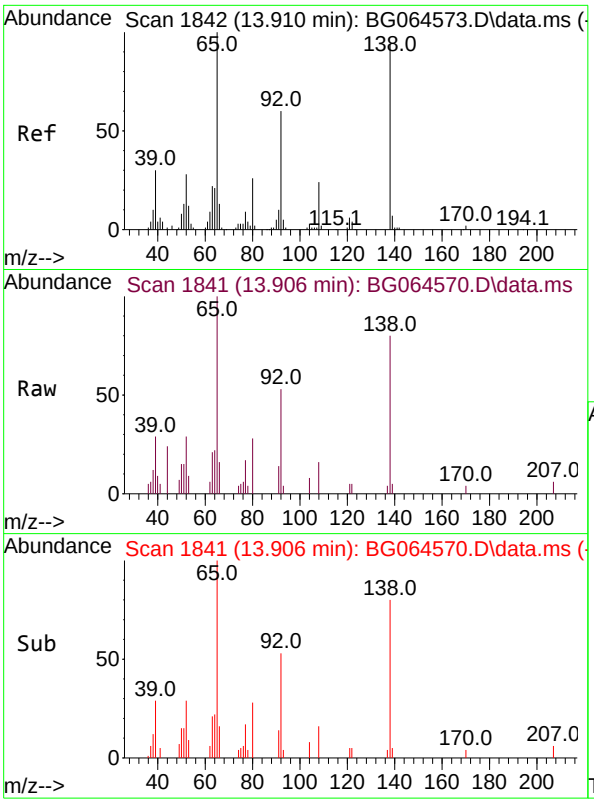


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

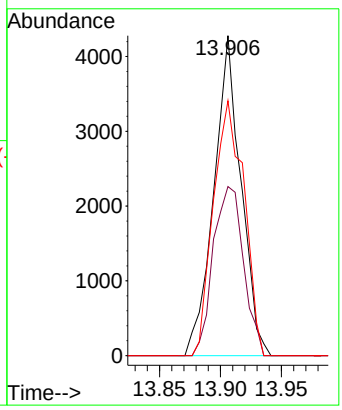
Tgt Ion: 65 Resp: 6601

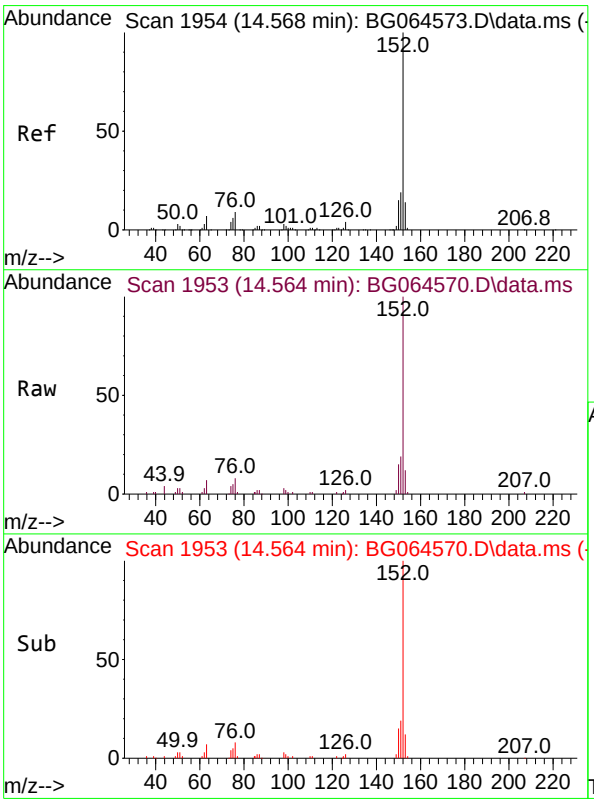
Ion	Ratio	Lower	Upper
65	100		
92	52.8	48.3	72.5
138	79.6	74.9	112.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

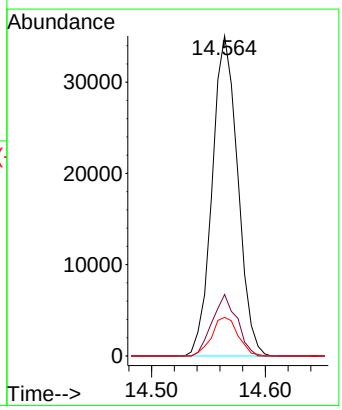


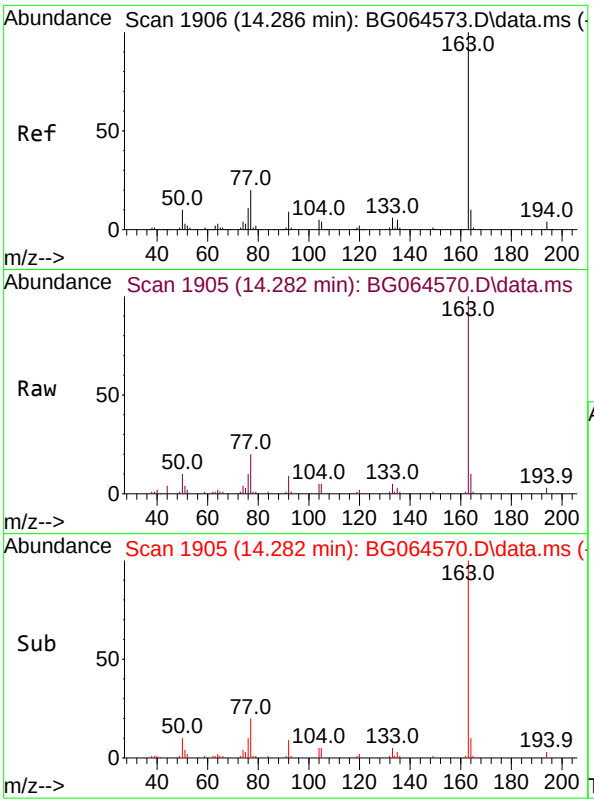


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

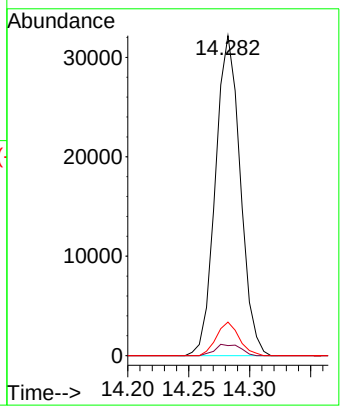
Tgt Ion:163 Resp: 4563

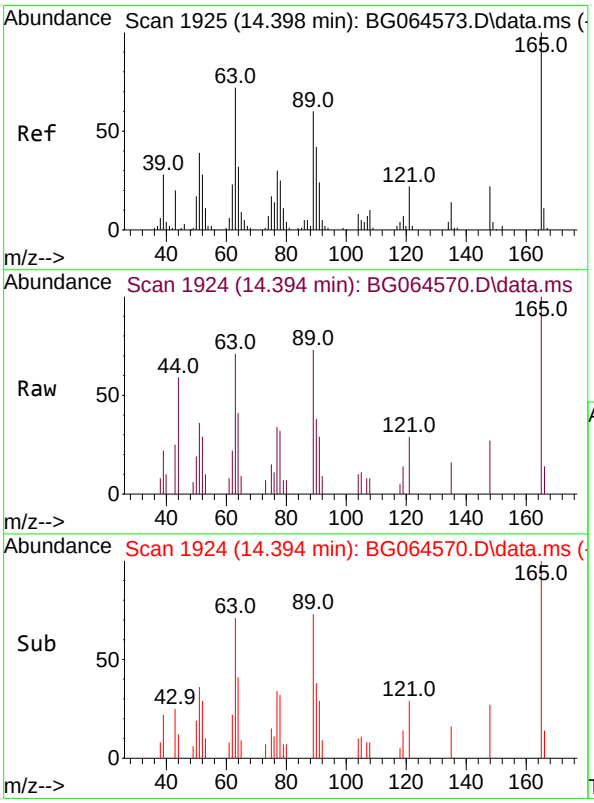
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	7.7	11.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

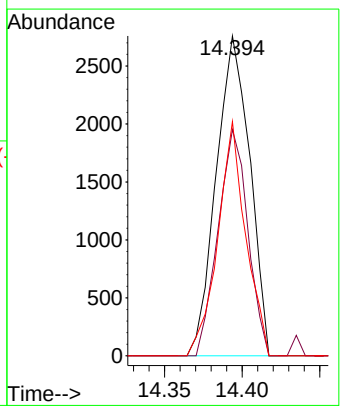


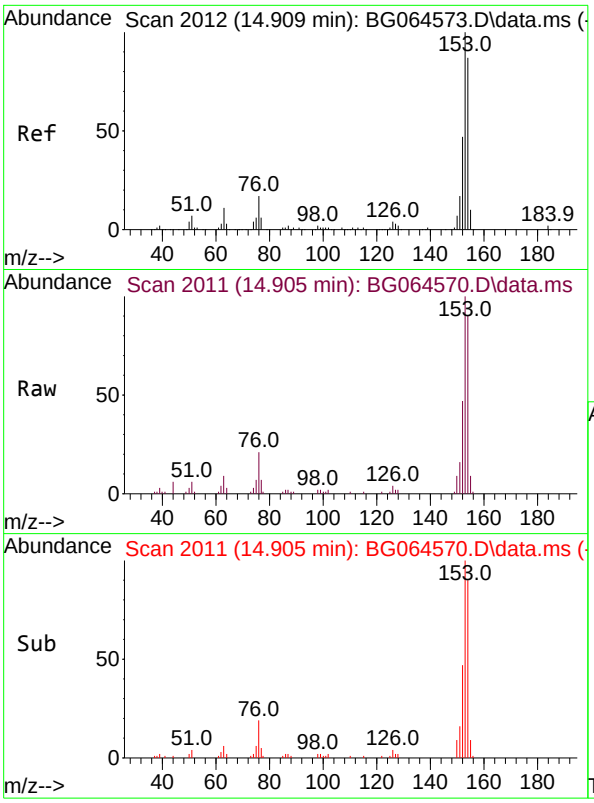


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

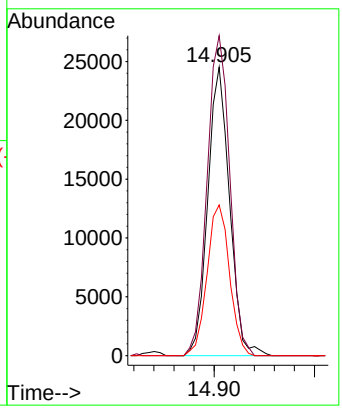




#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 3698

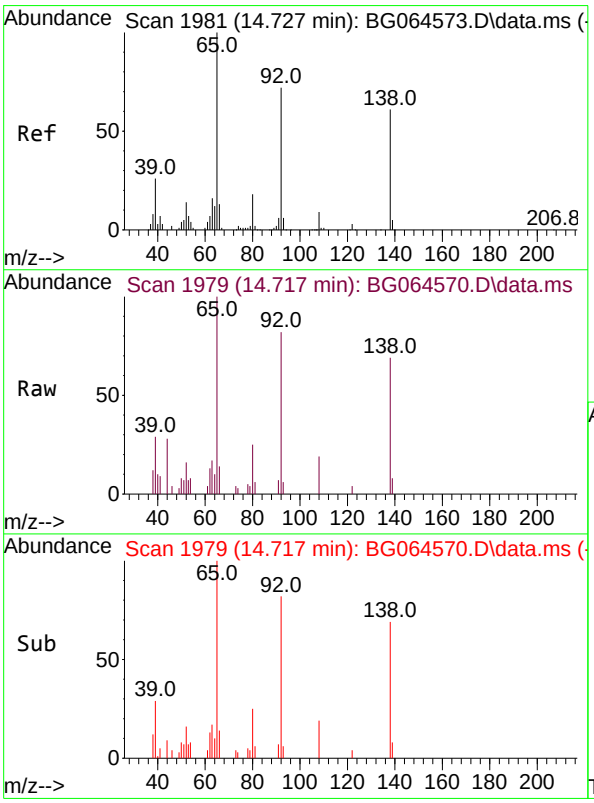
Ion	Ratio	Lower	Upper
154	100		
153	111.0	92.2	138.4
152	52.2	43.2	64.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

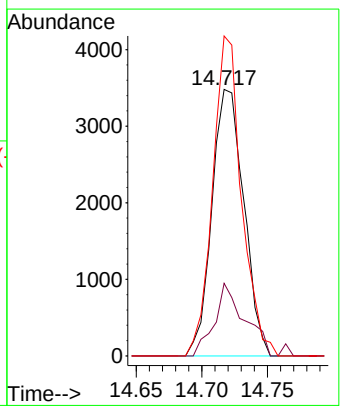
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

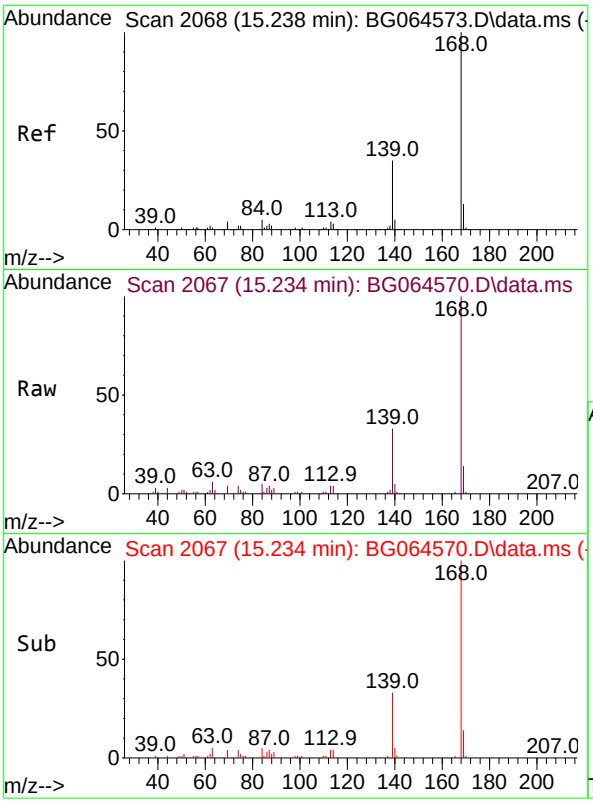


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

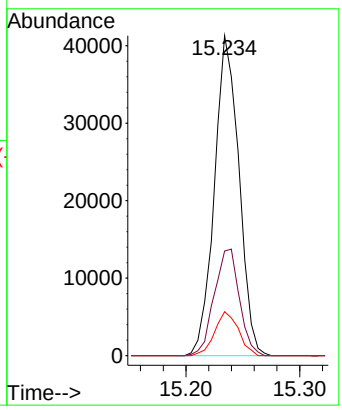




#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:168 Resp: 6177

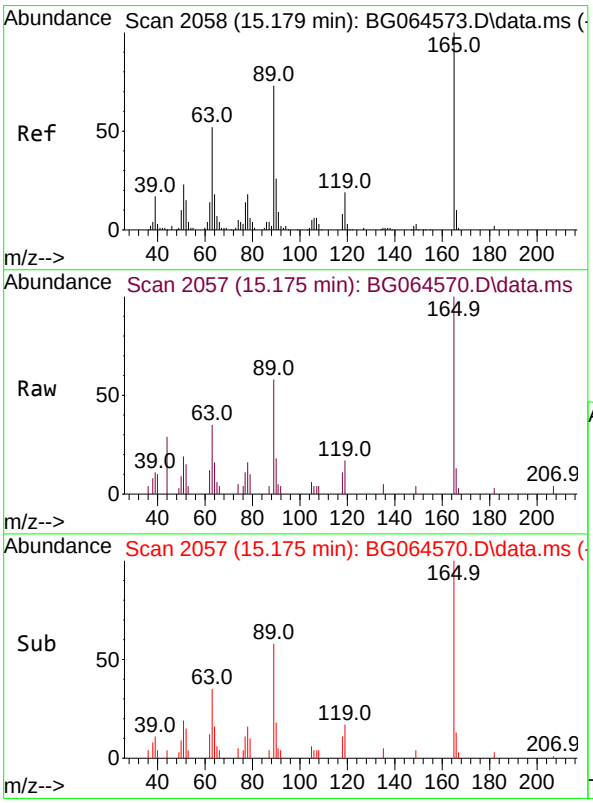
Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.8	41.8
169	13.7	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

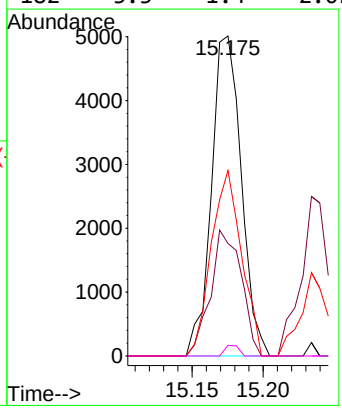
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

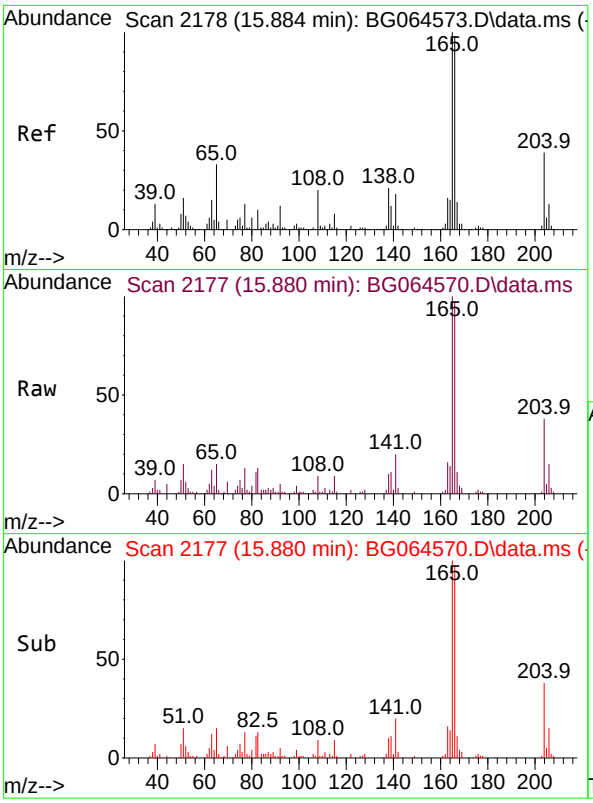


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

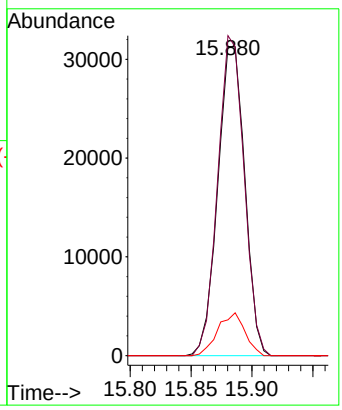




#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:166 Resp: 4830

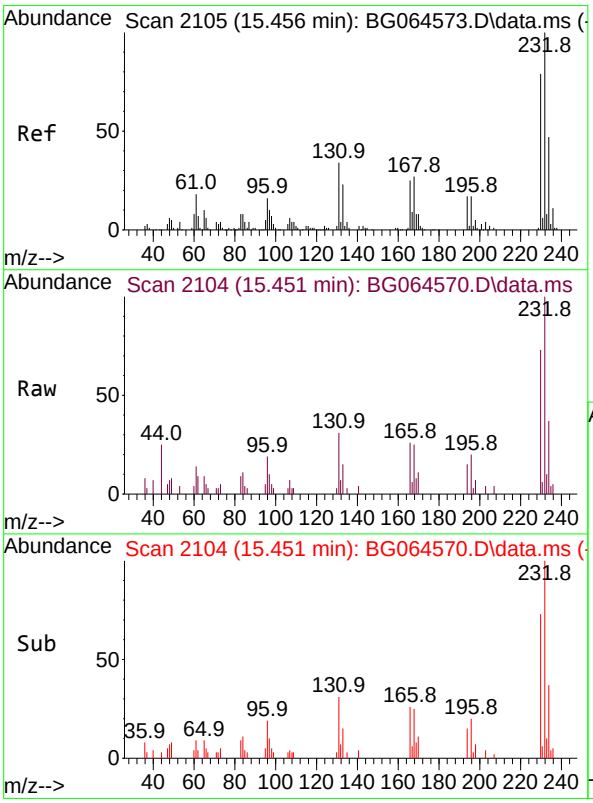
Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.5	122.3
167	11.6	11.4	17.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

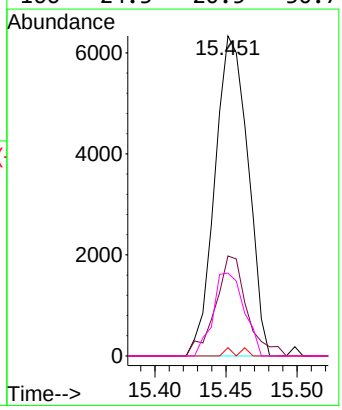
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

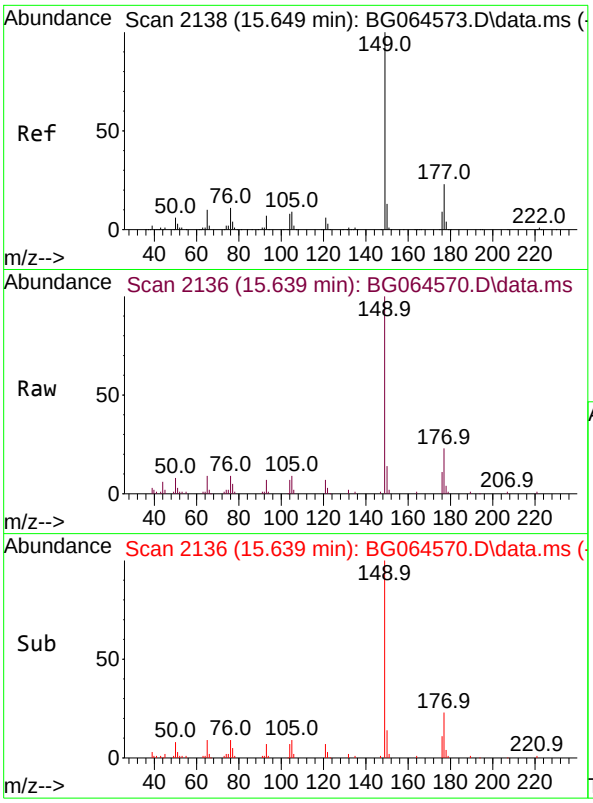


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

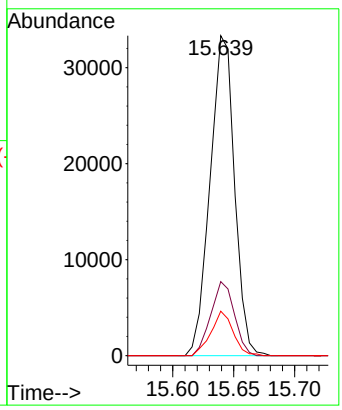




#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4653

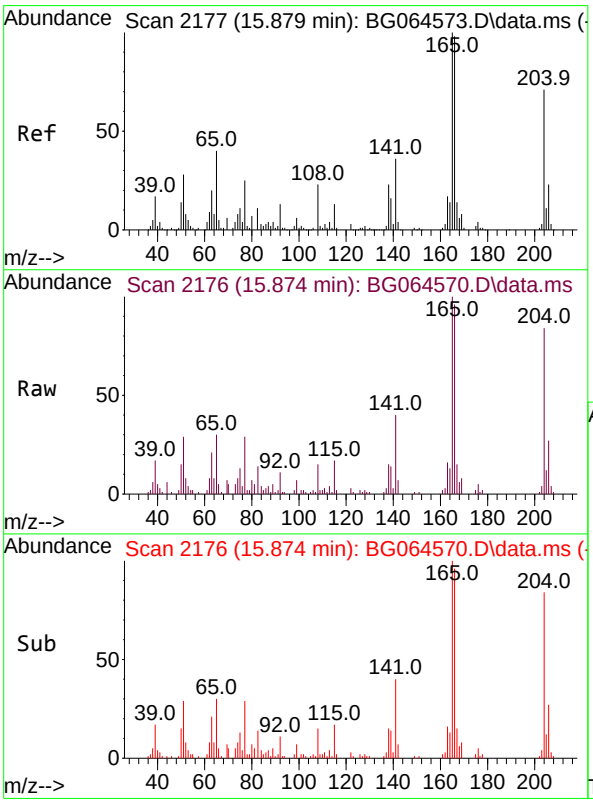
Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.9	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

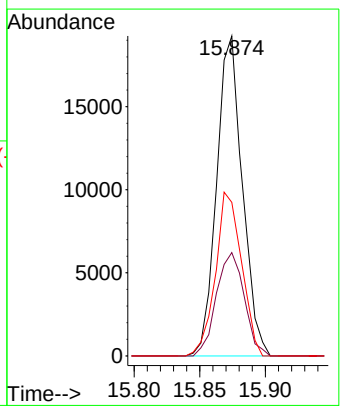
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

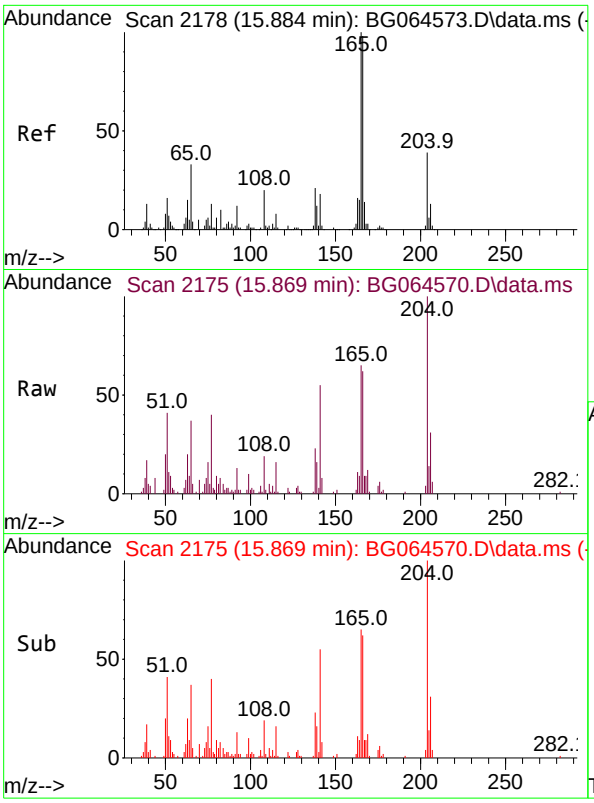


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

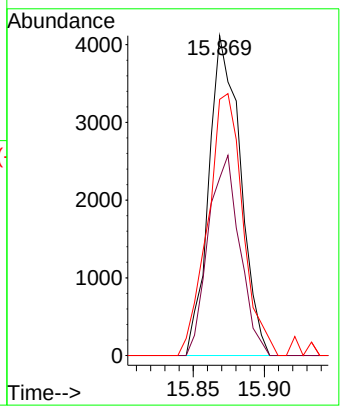




#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 638

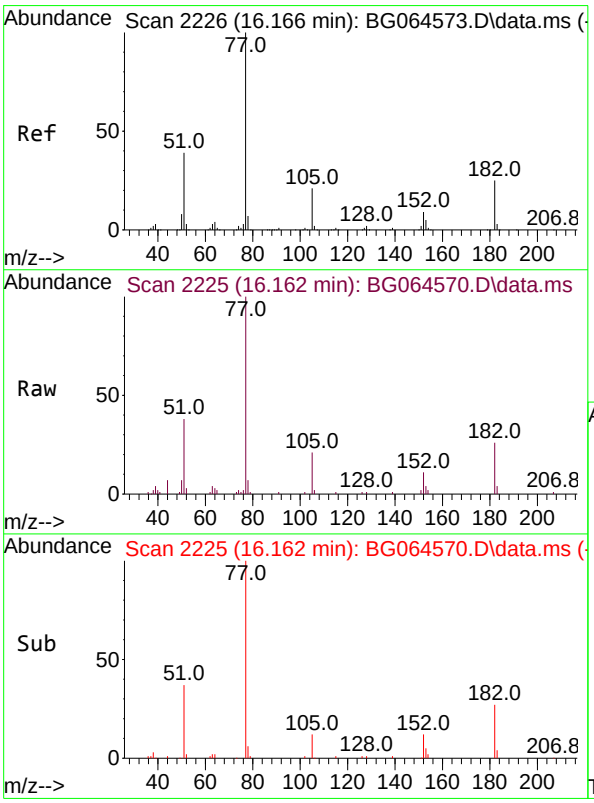
Ion	Ratio	Lower	Upper
138	100		
92	55.4	36.1	76.1
108	80.1	75.6	115.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

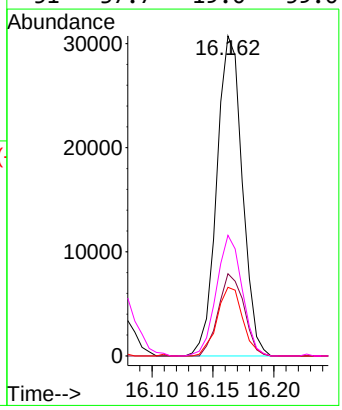
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

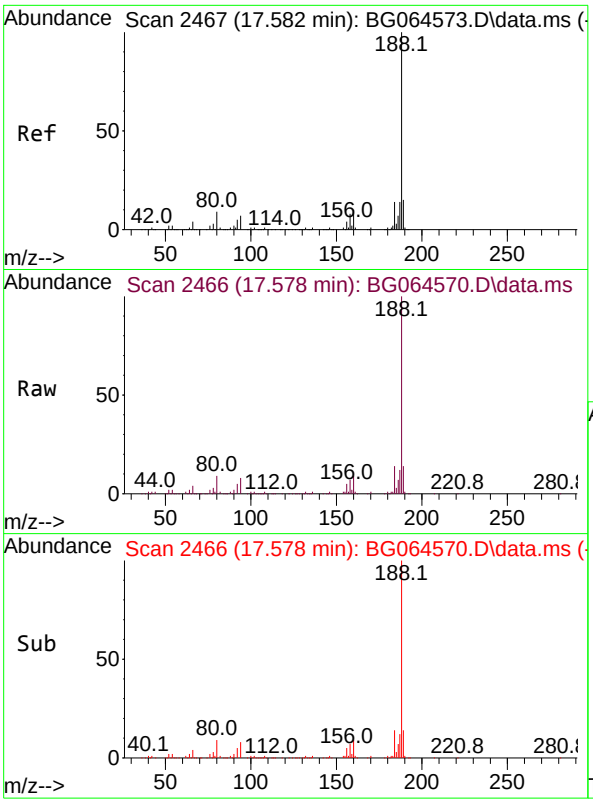


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

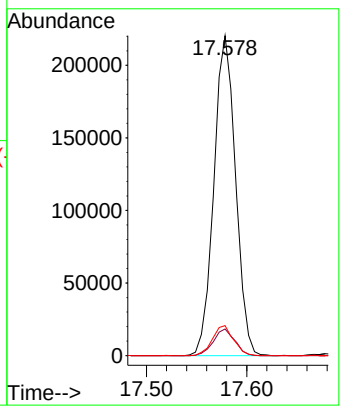




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:188 Resp: 331371

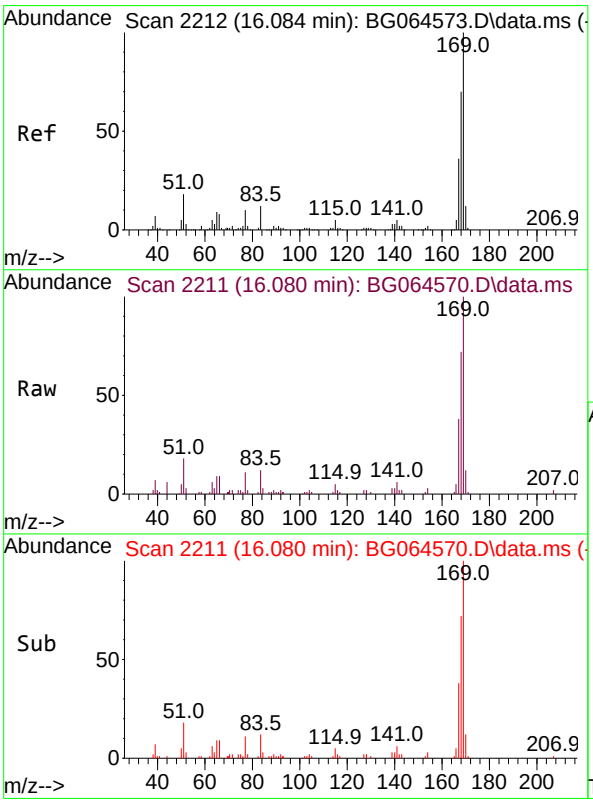
Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.7	8.5
80	9.4	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

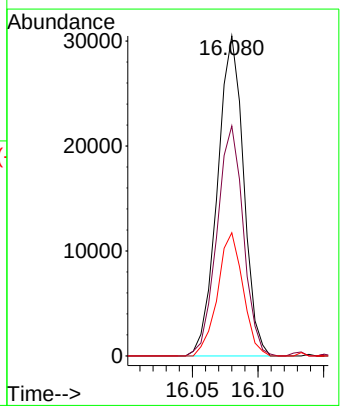
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

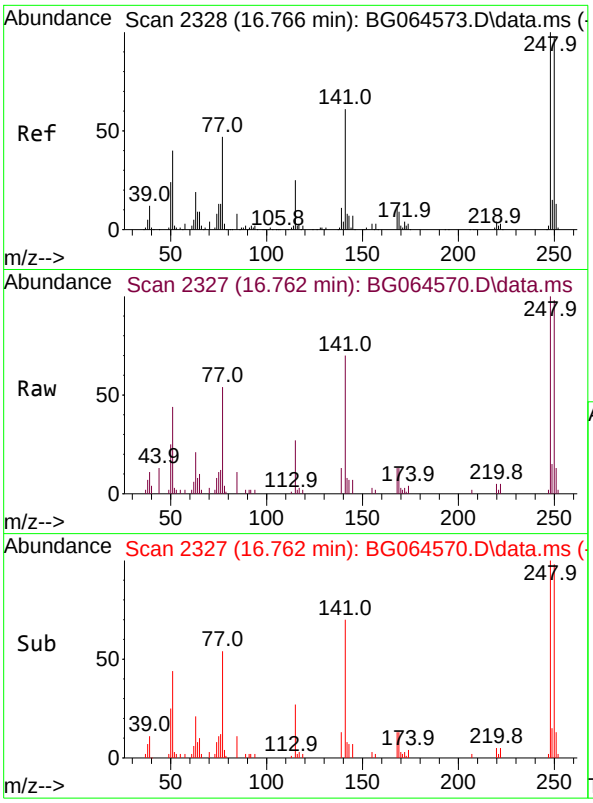


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

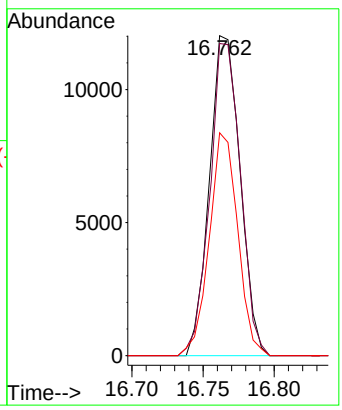




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:248 Resp: 1806

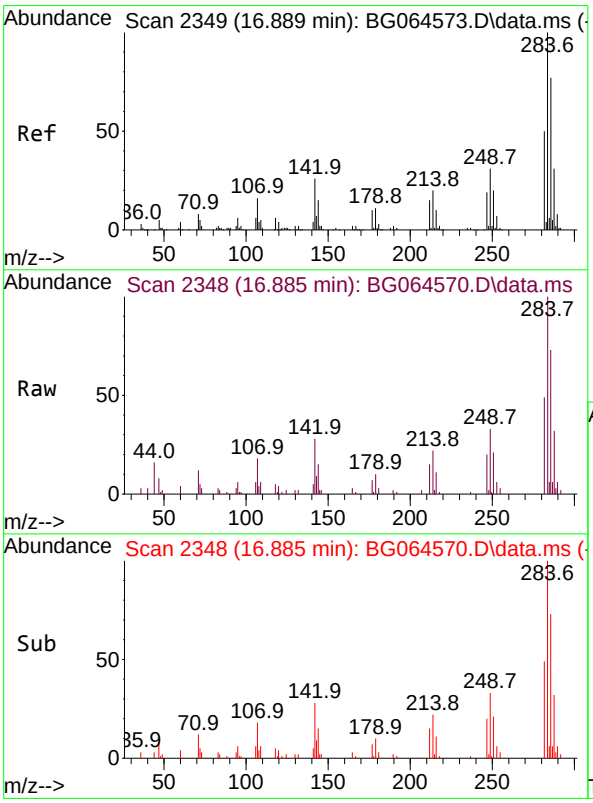
Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	69.6	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

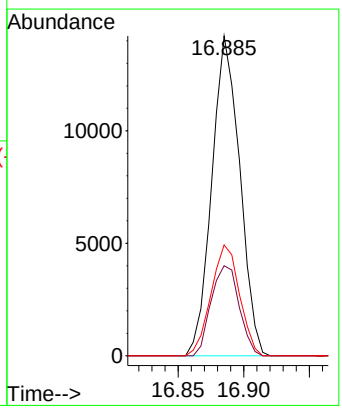
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

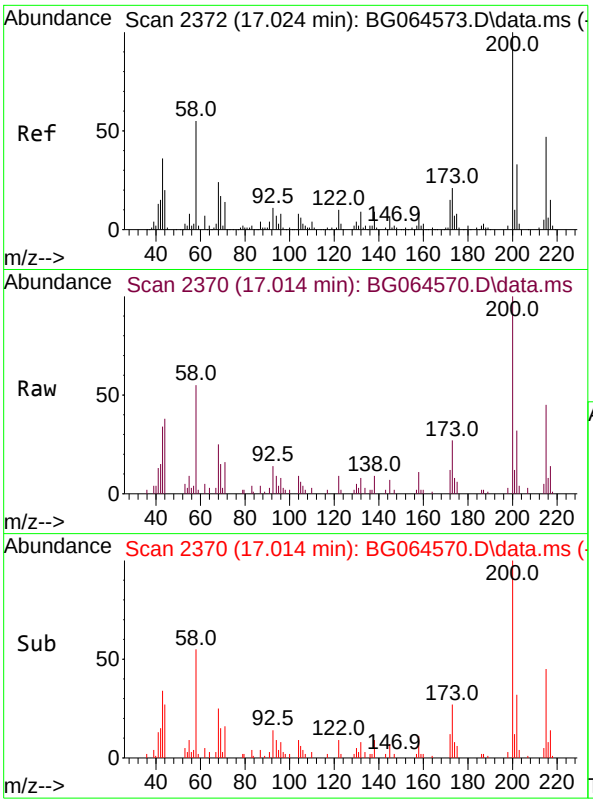


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

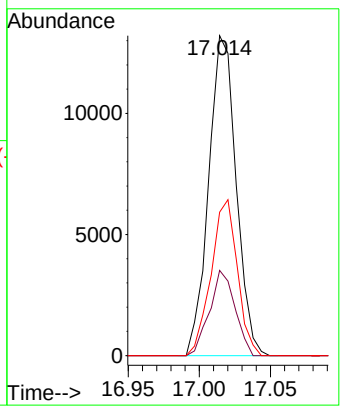




#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:200 Resp: 1778

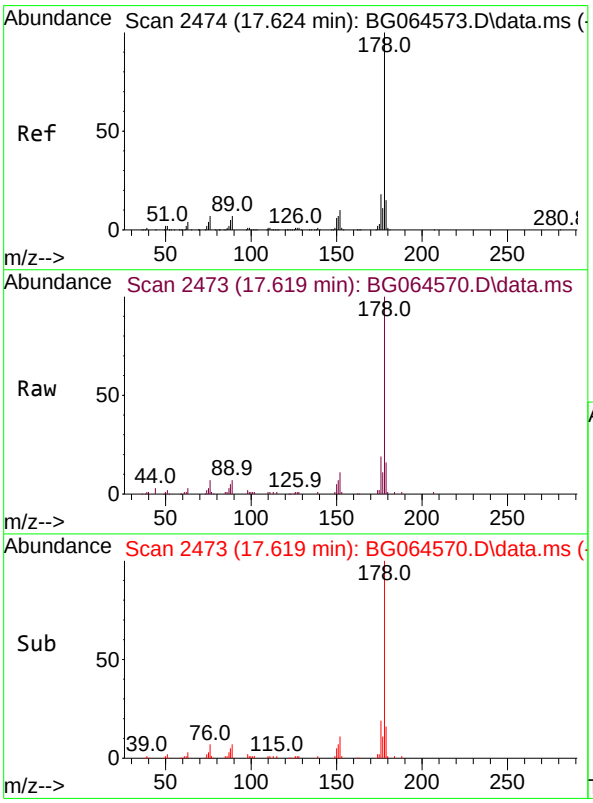
Ion	Ratio	Lower	Upper
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

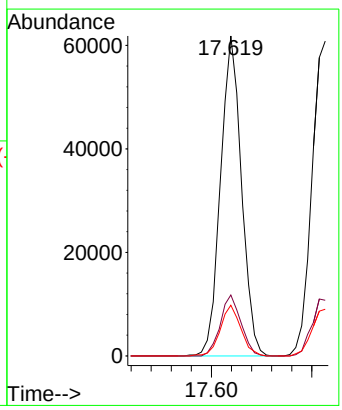
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

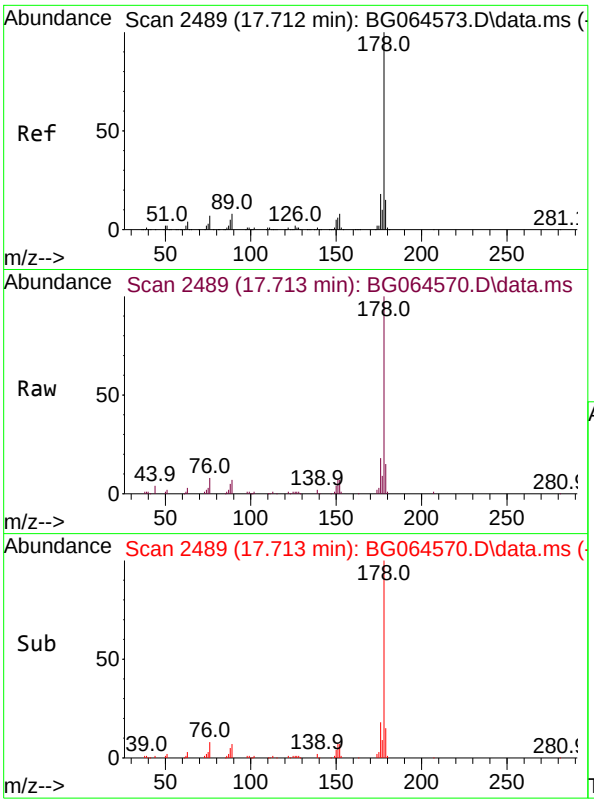


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

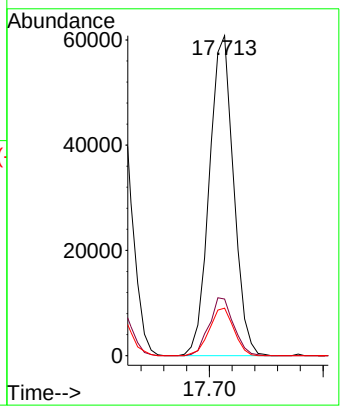




#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 9006

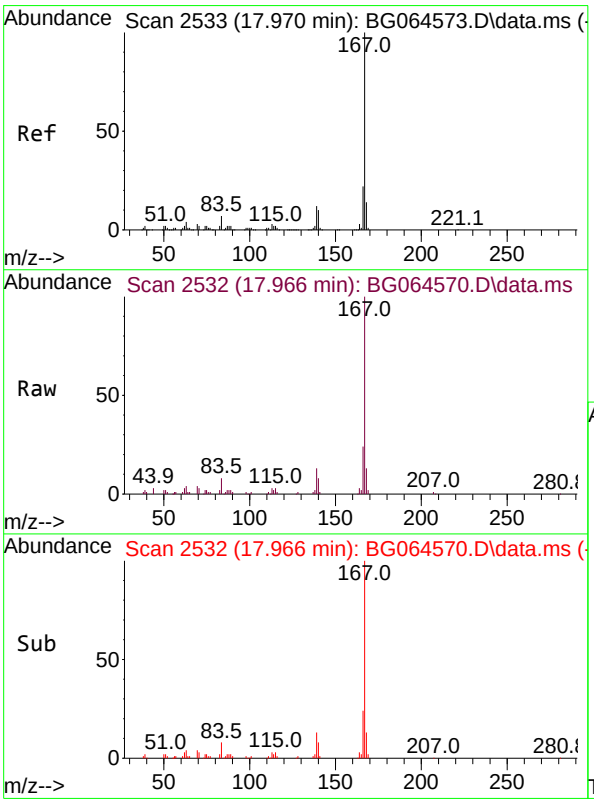
Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	14.8	12.4	18.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

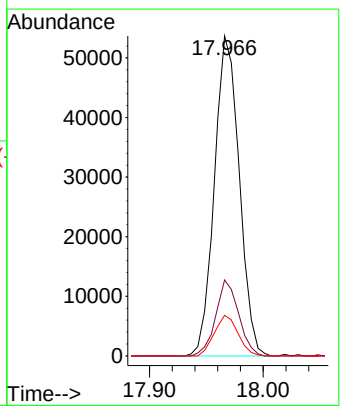
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

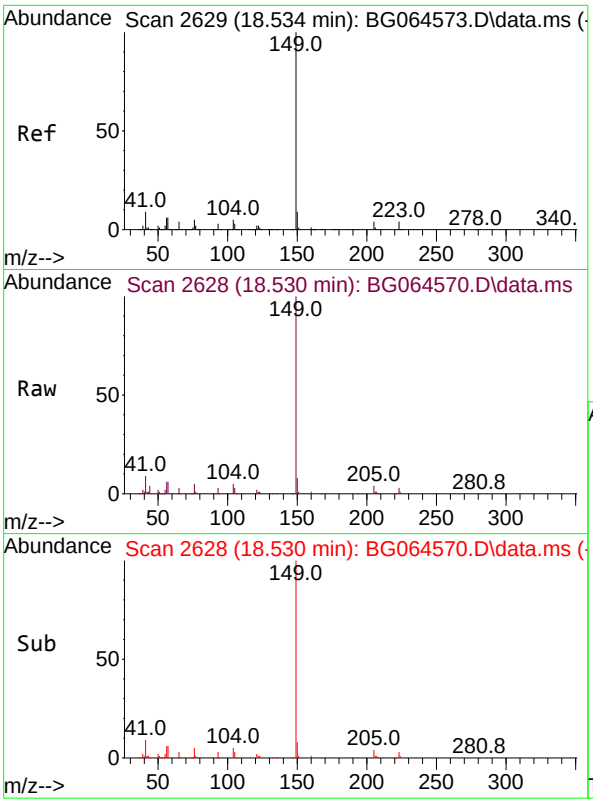


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

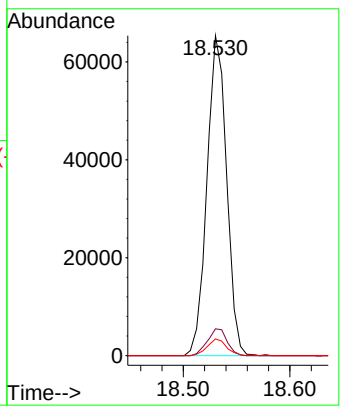




#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 8371

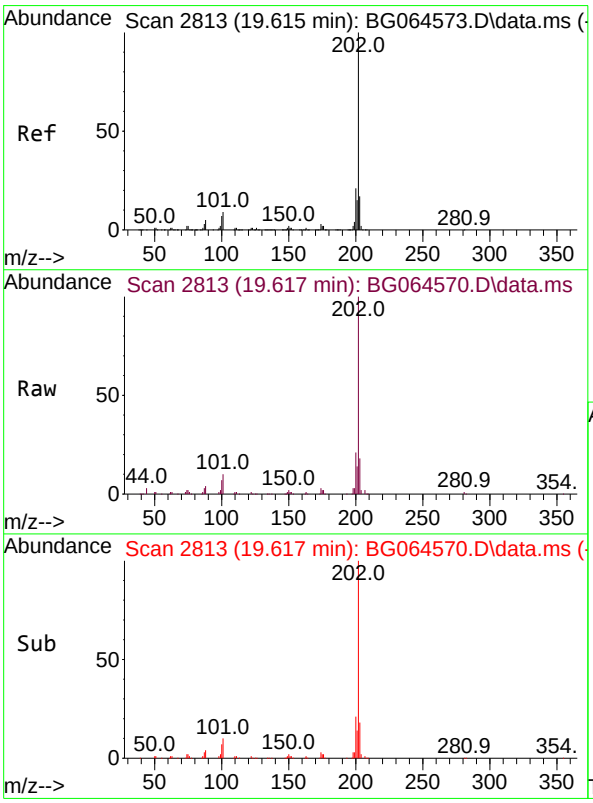
Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

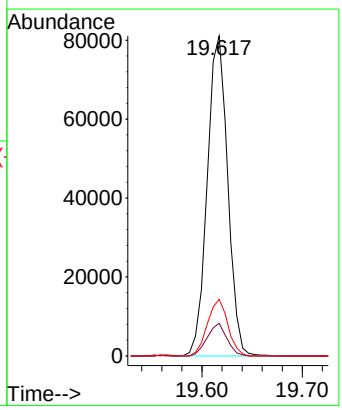
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

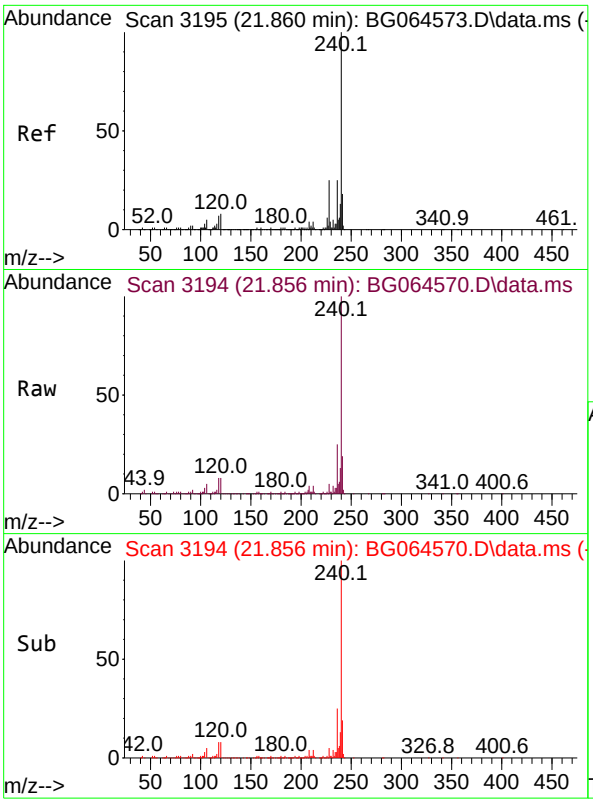


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

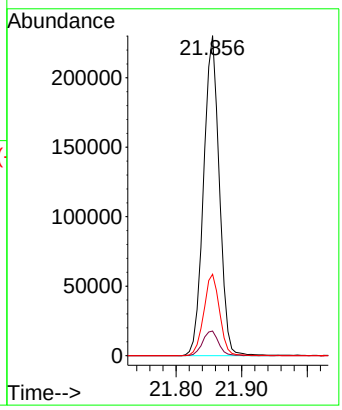




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 38138

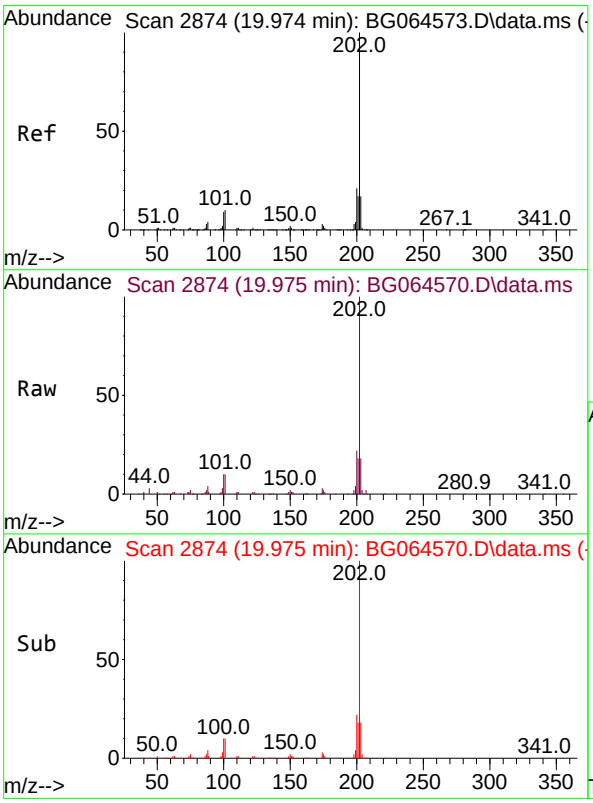
Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

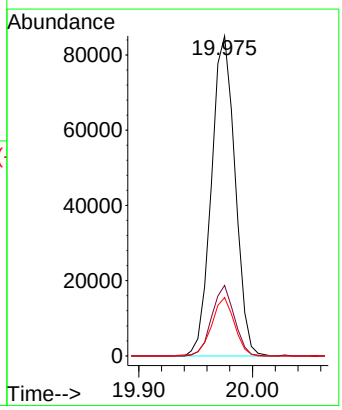
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

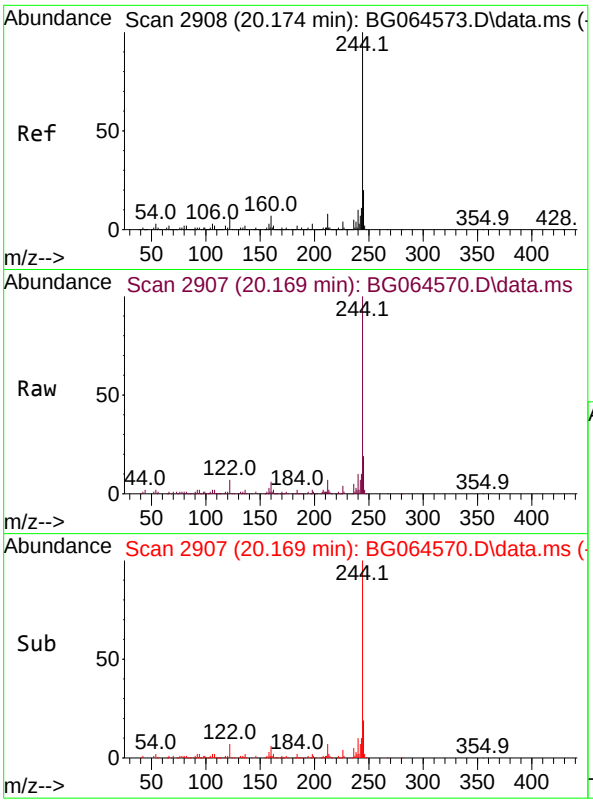


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 122676

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	18.2	13.8	20.6





#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

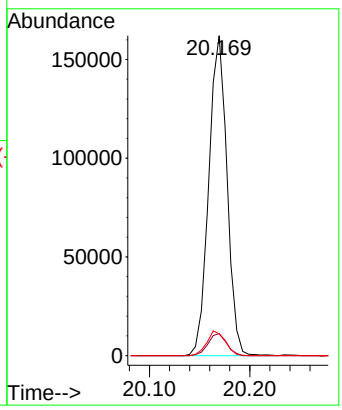
Tgt Ion:244 Resp: 204719

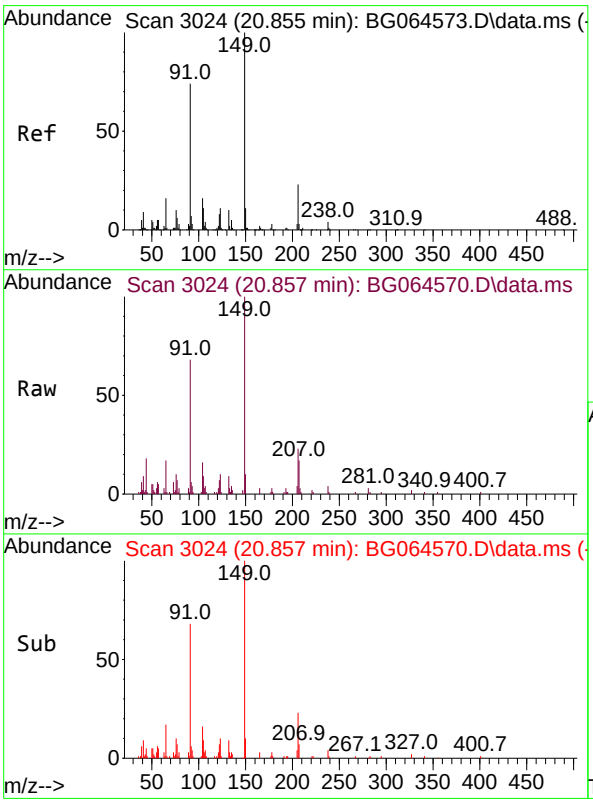
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

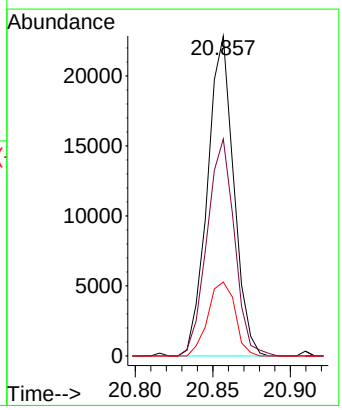


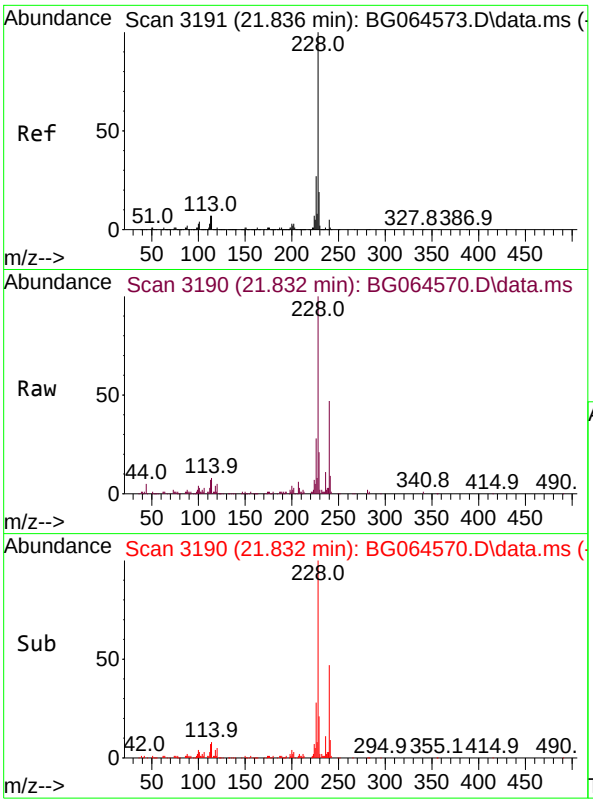


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

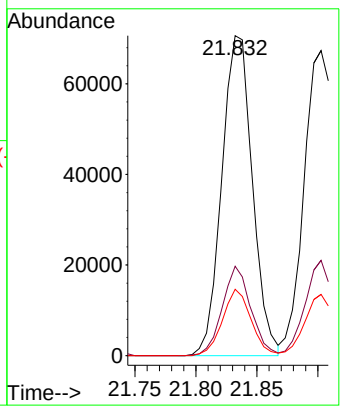




#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 12334

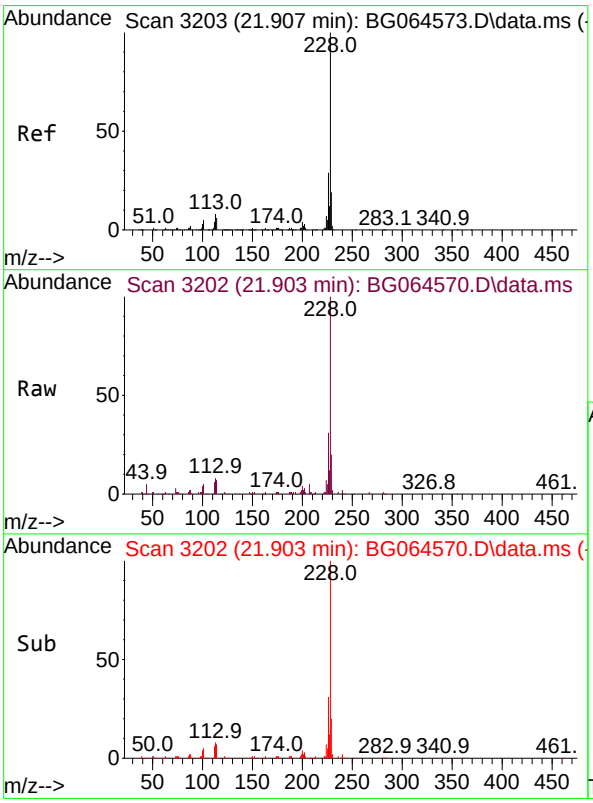
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

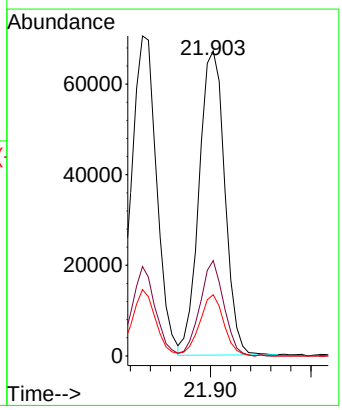
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

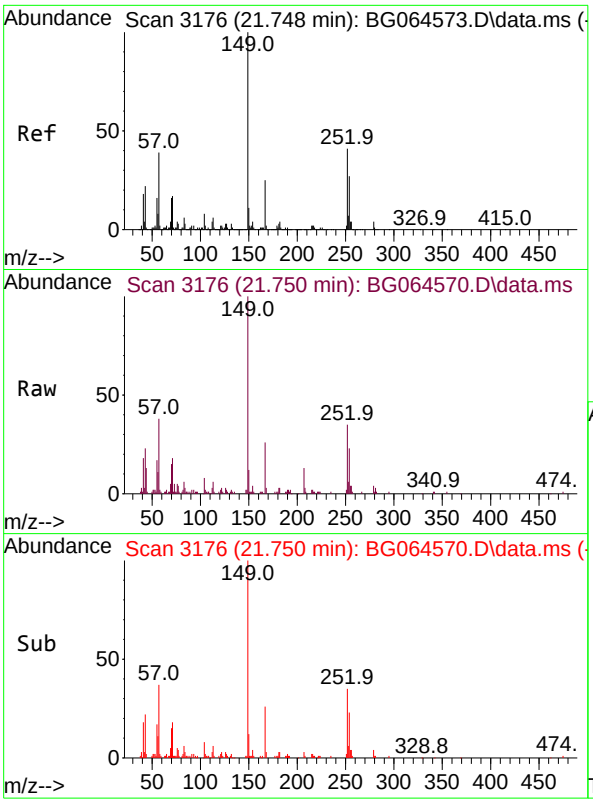


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

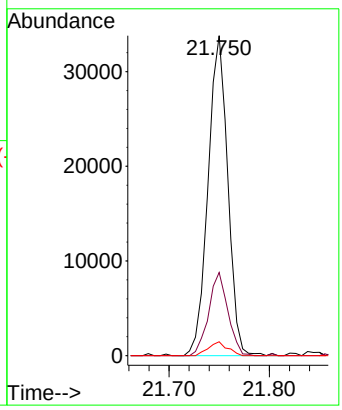




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4611

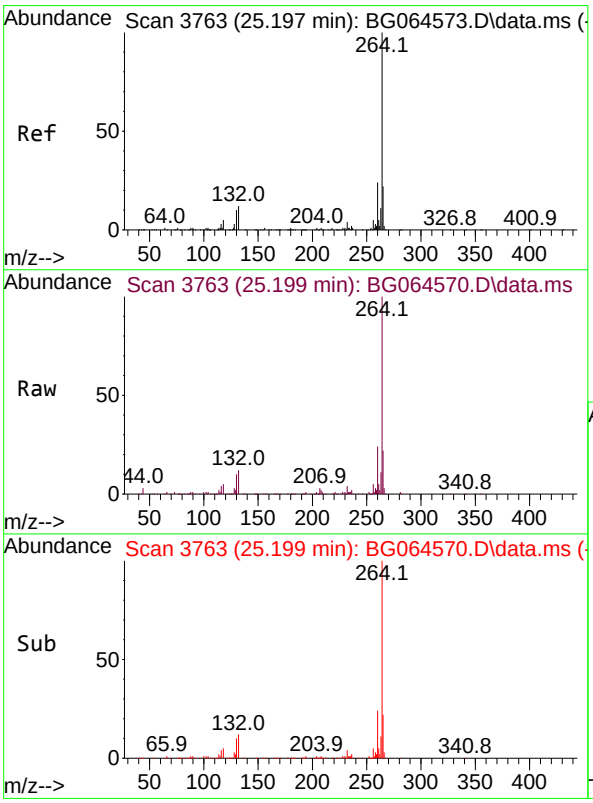
Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

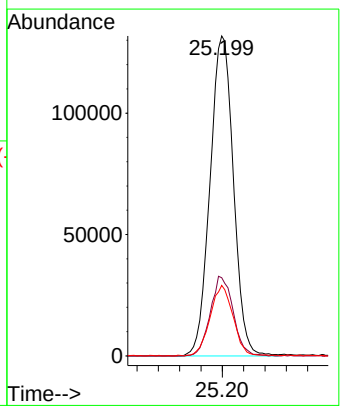
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

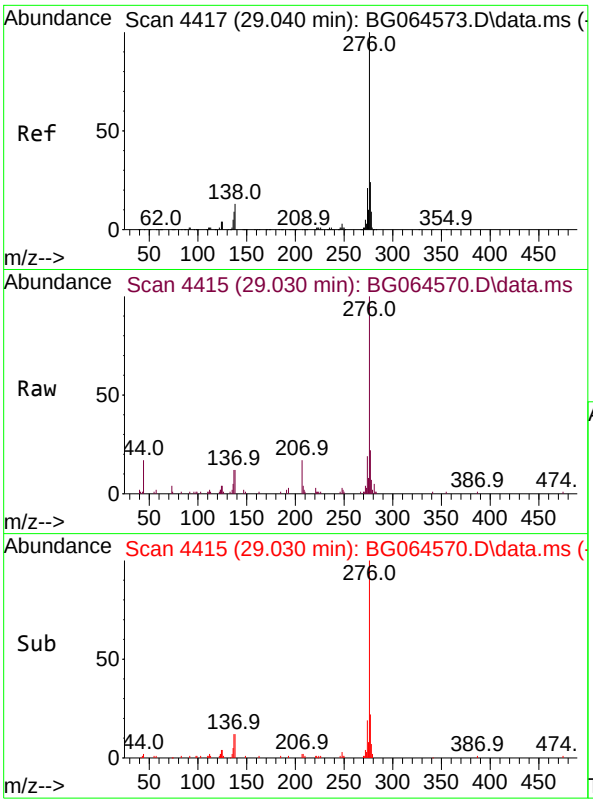


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

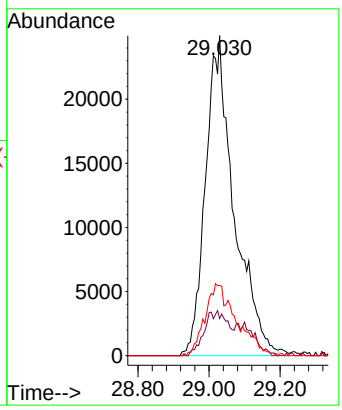




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 13875

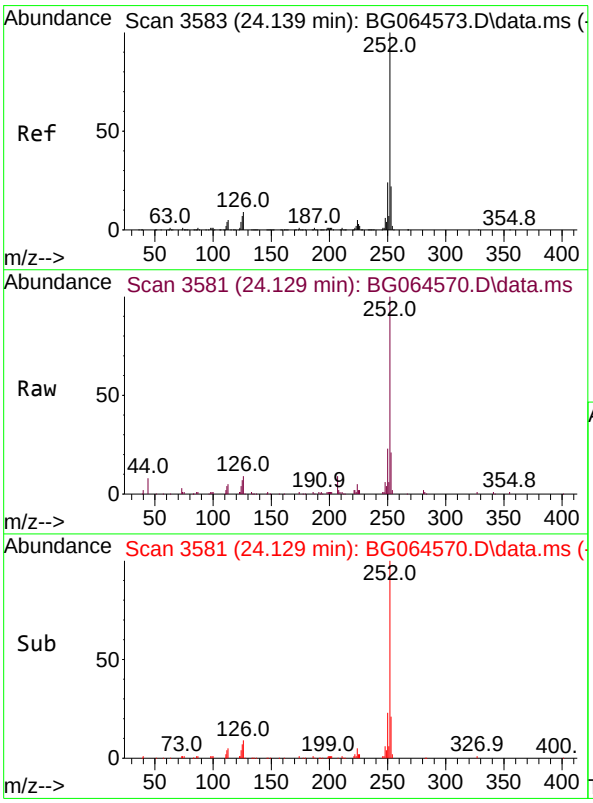
Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2
277	24.6	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

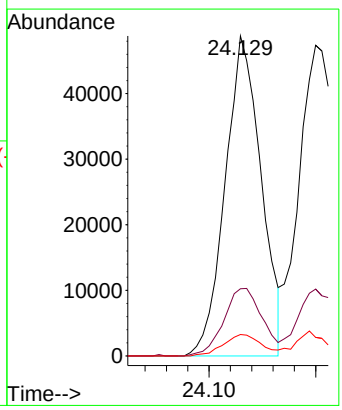
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

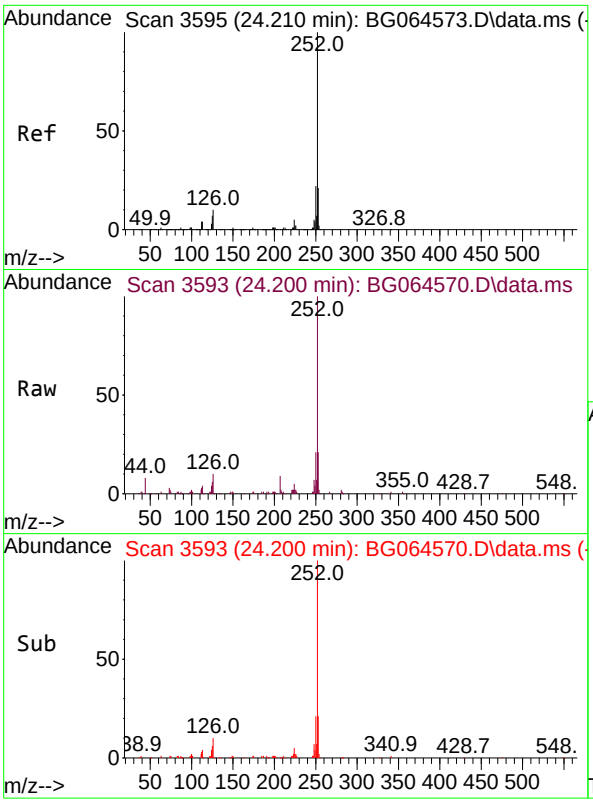


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

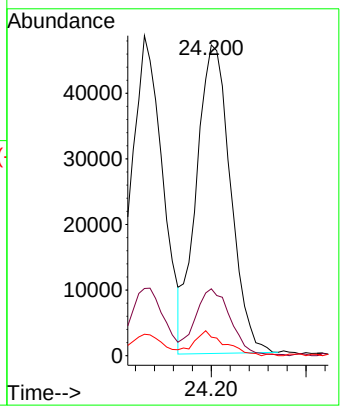




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 11789

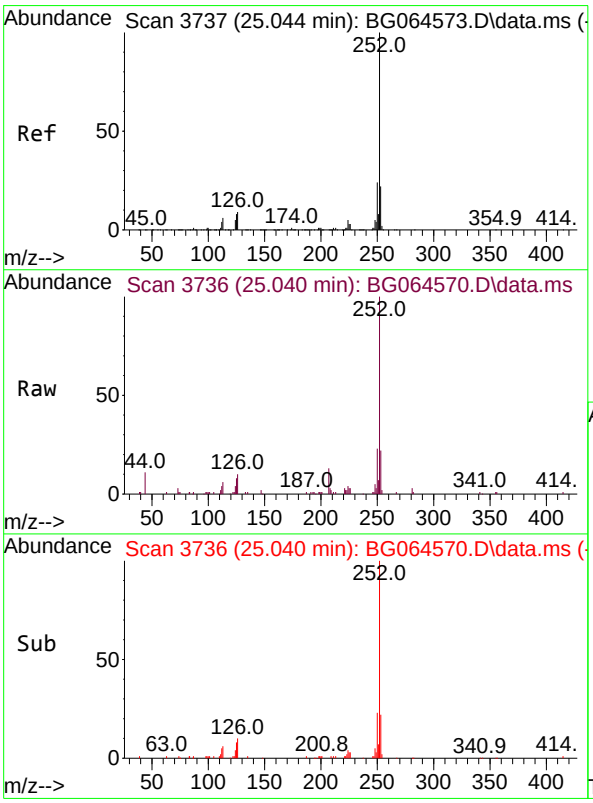
Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

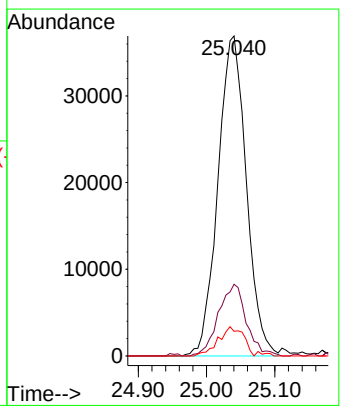
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

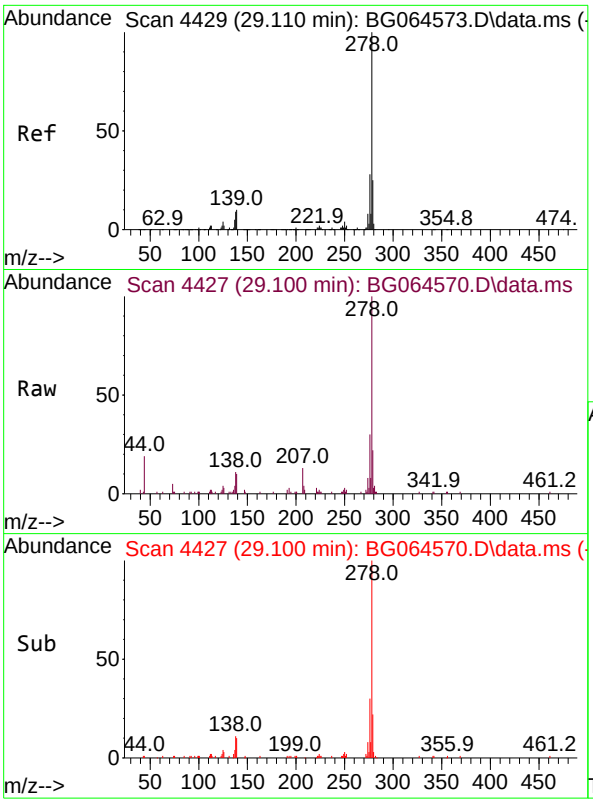


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

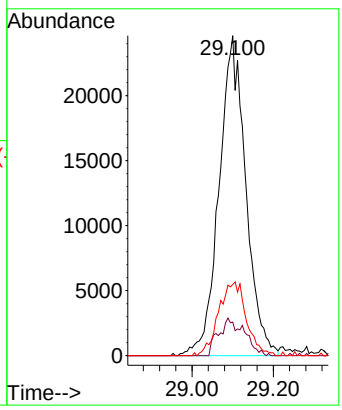




#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:278 Resp: 11239

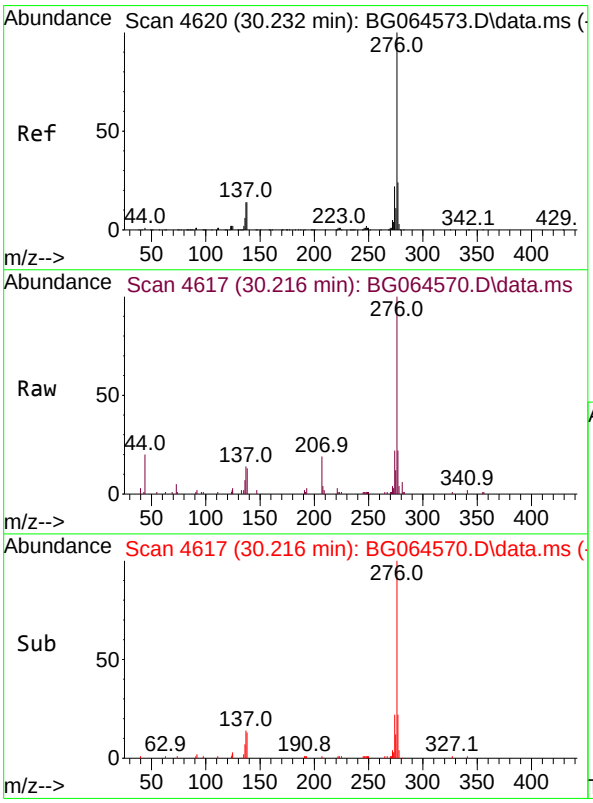
Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

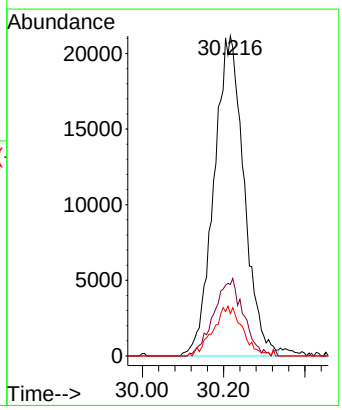
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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



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

ICAL Form

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

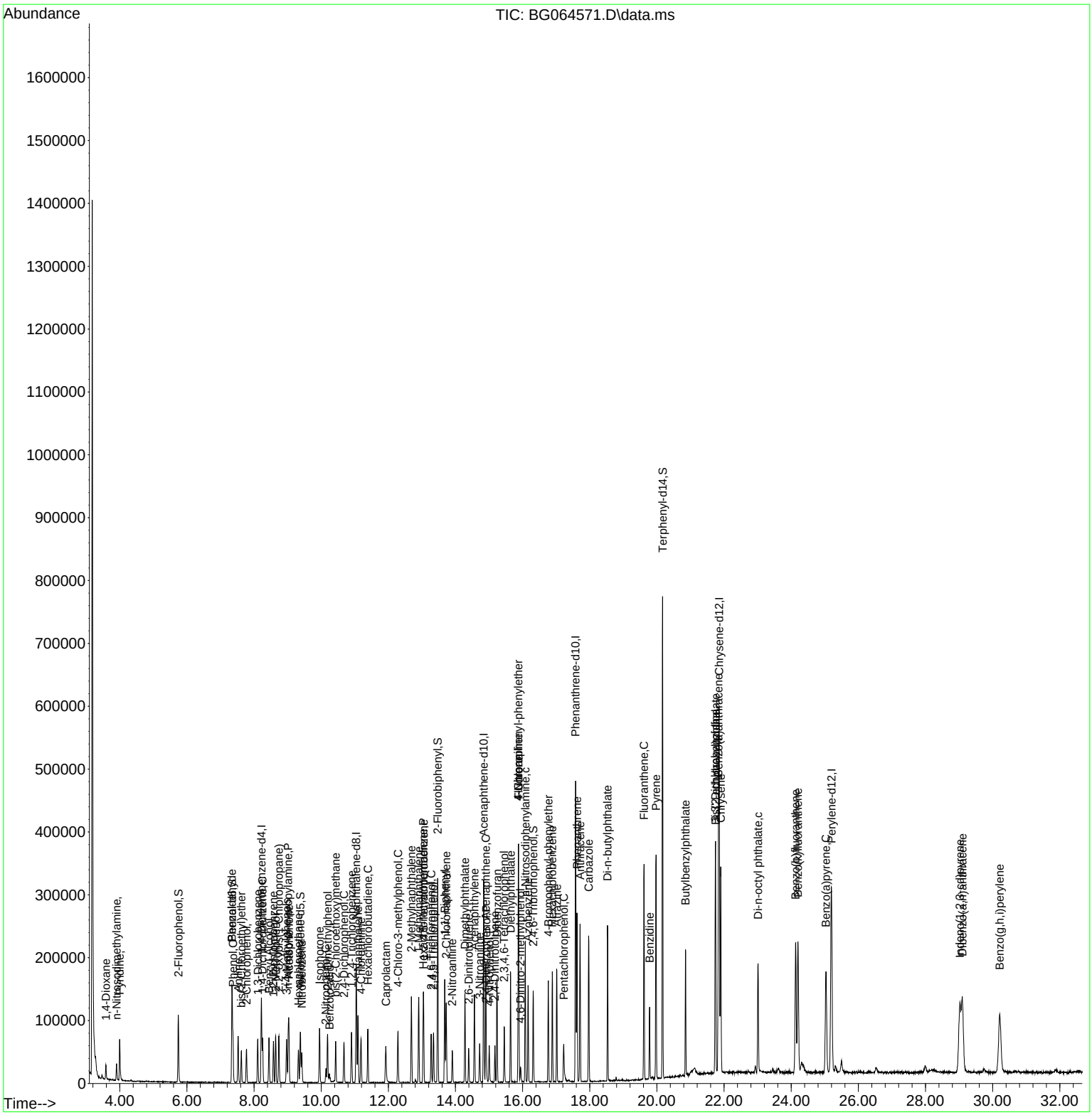
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

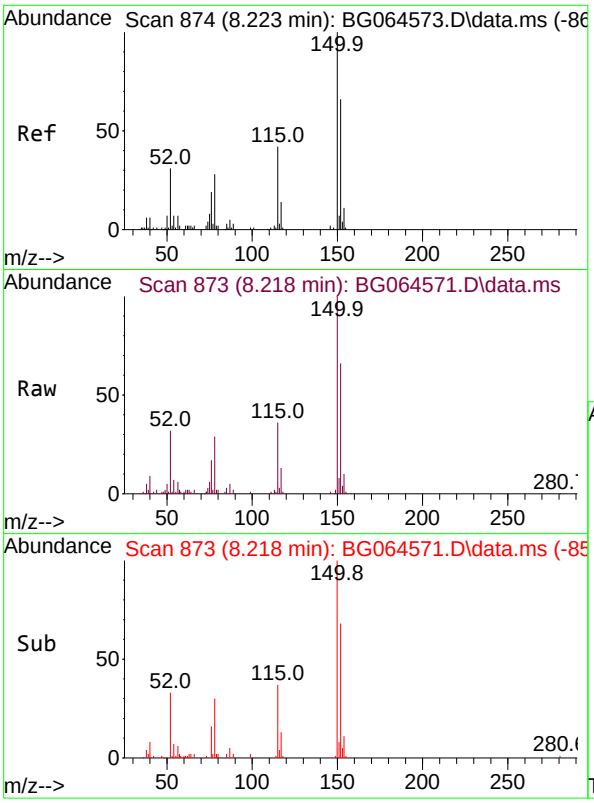
Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

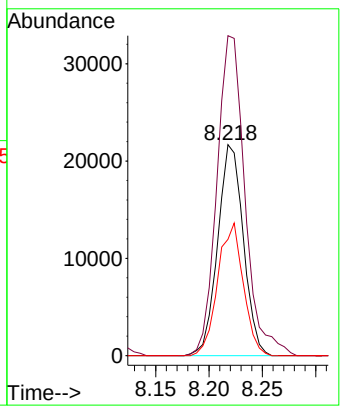




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 3632

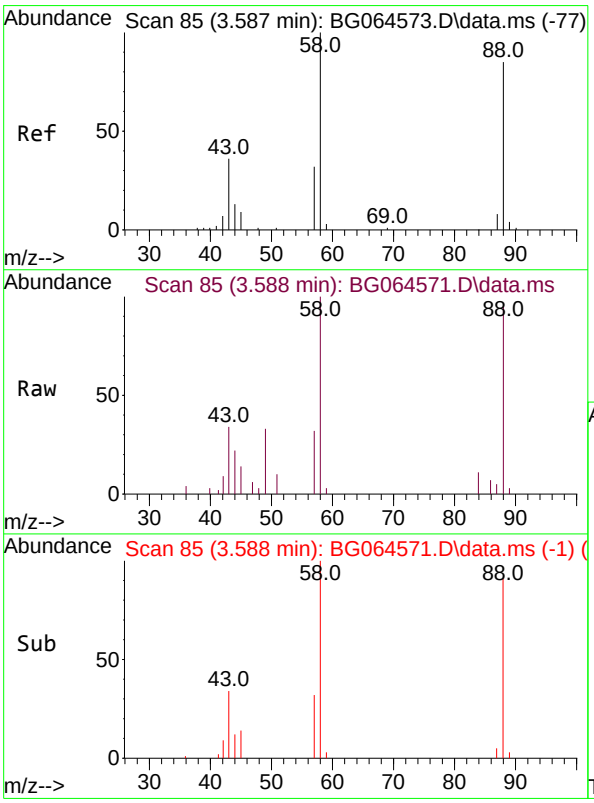
Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

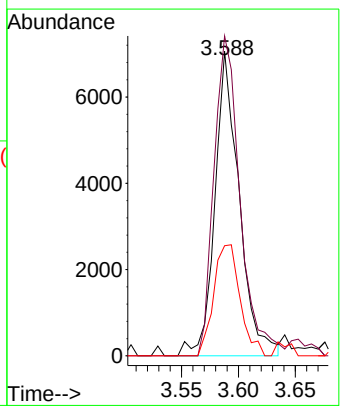
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

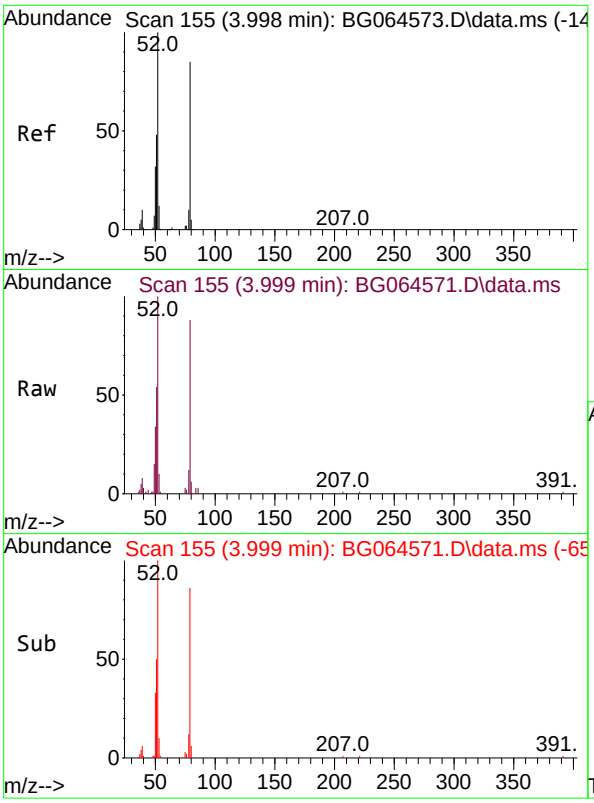


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

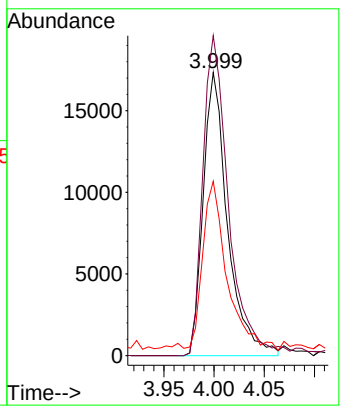




#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2919

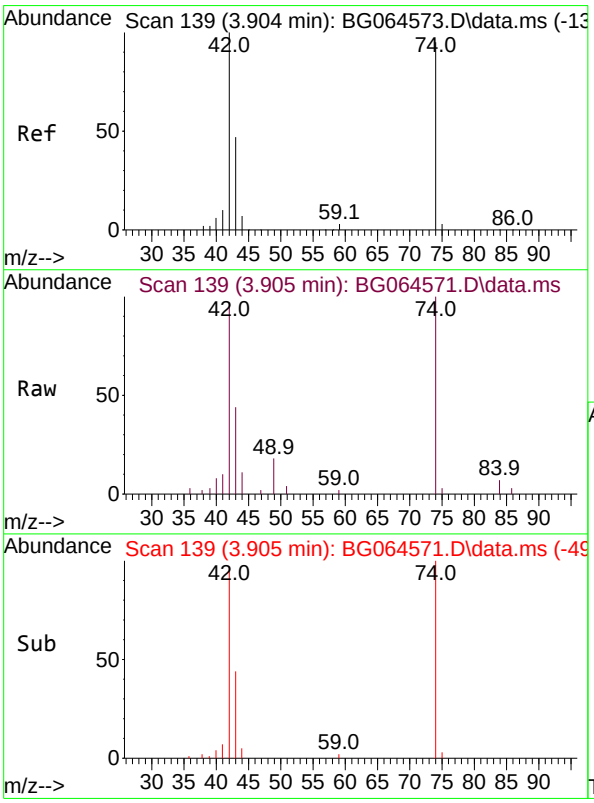
Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

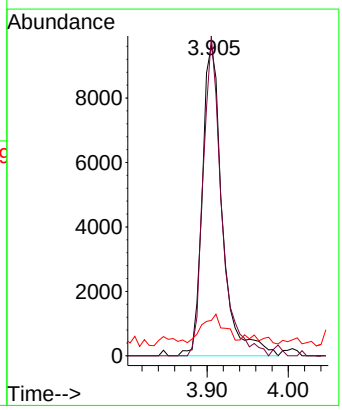
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

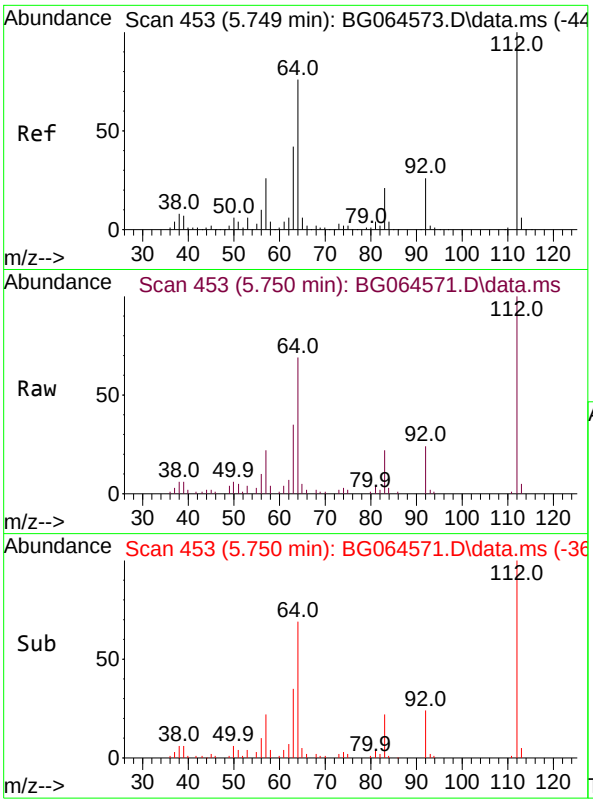


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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#

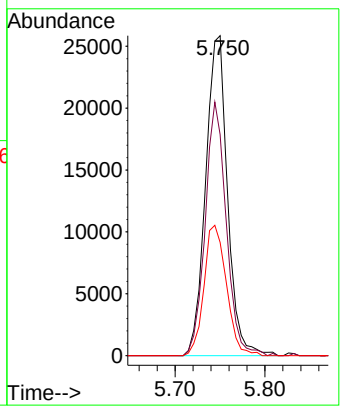




#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:112 Resp: 4383

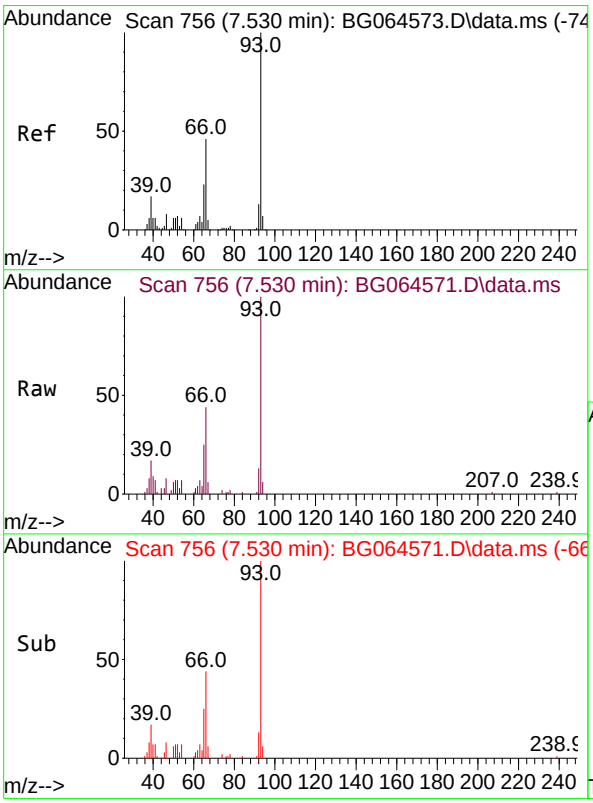
Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

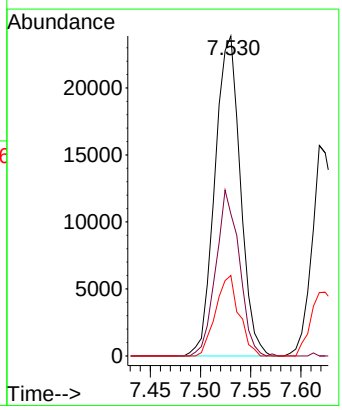
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

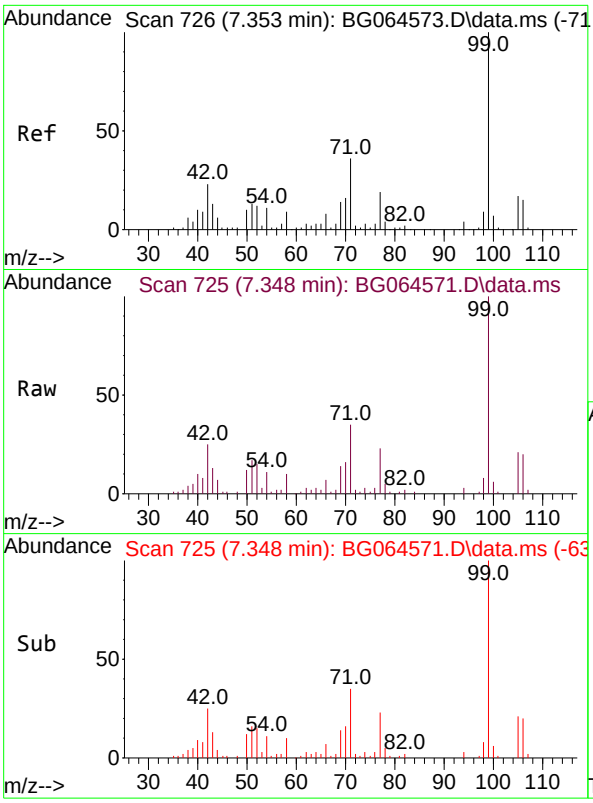


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

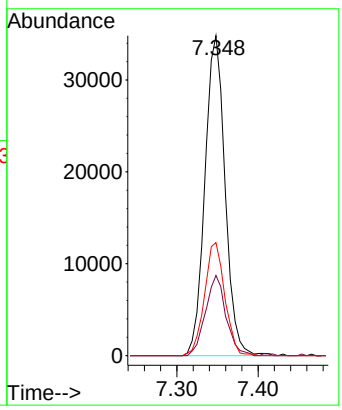




#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 99 Resp: 6008

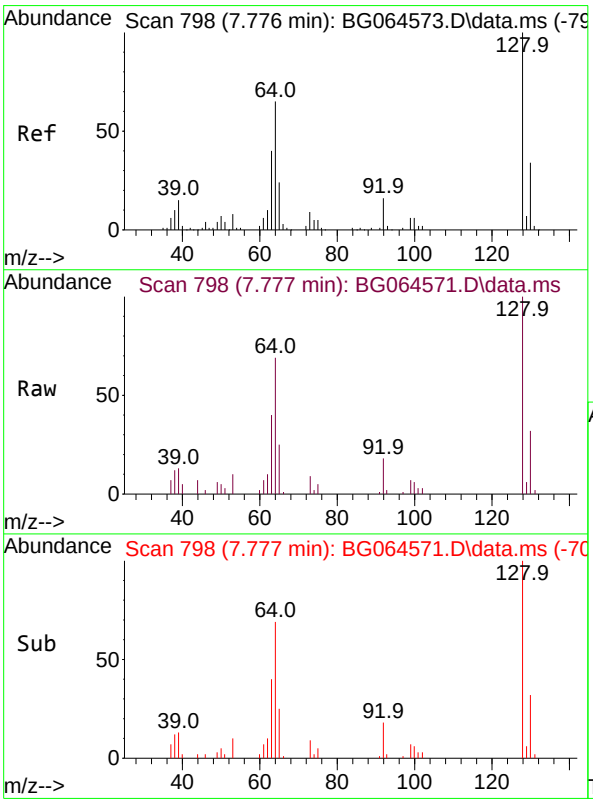
Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

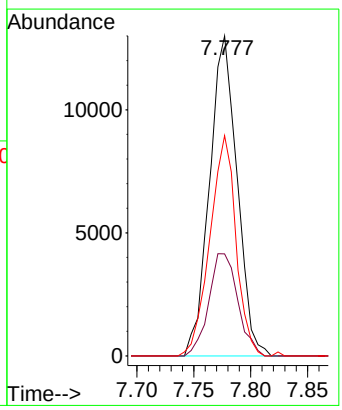
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

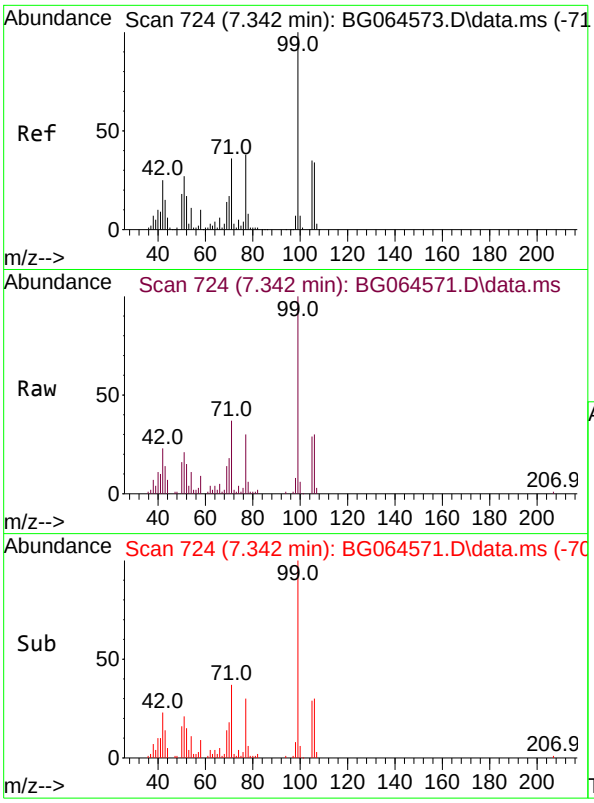


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

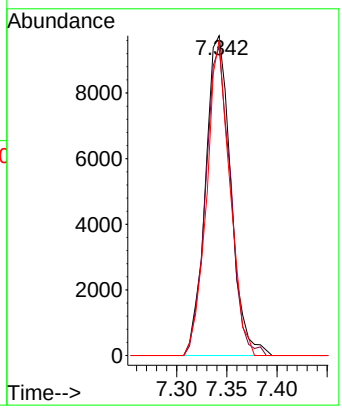




#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 1711

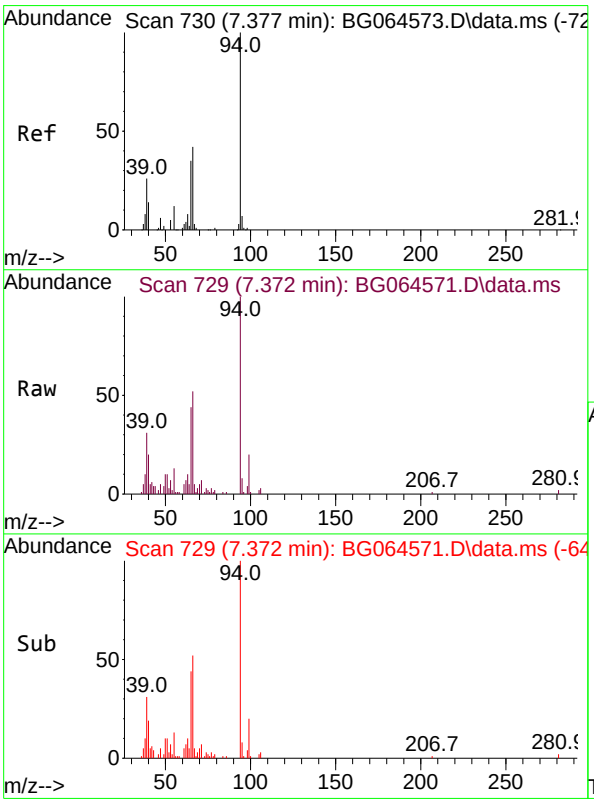
Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

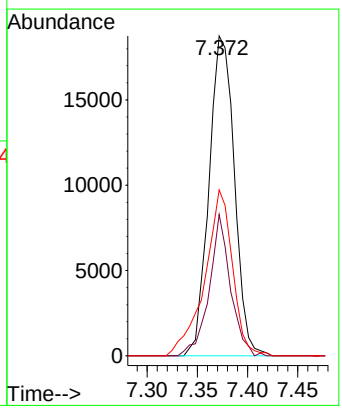
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

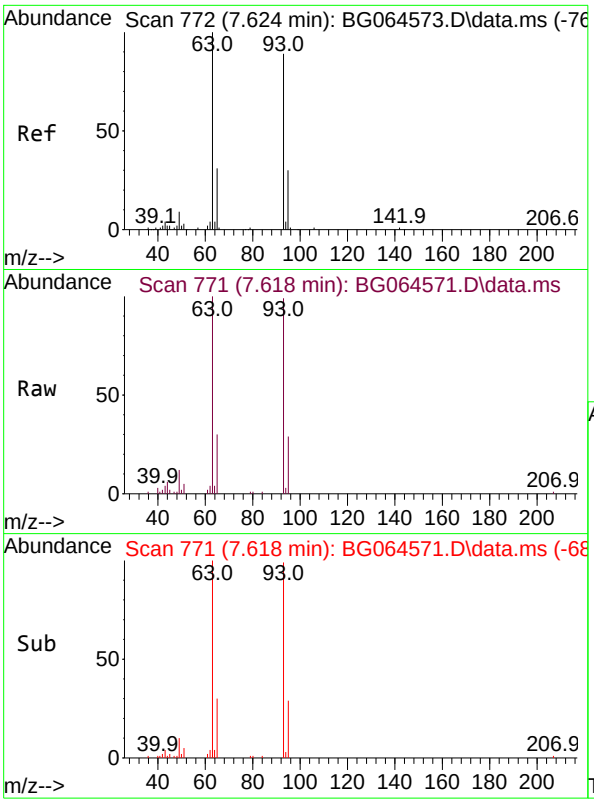


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

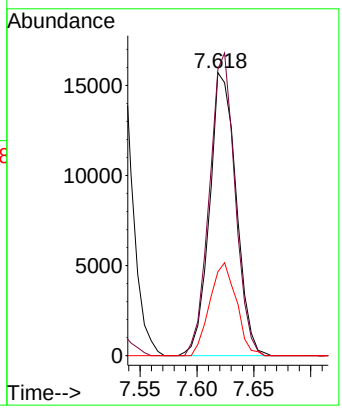




#11
bis(2-Chloroethyl)ether
Concen: 10.600 ng
RT: 7.618 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 2559

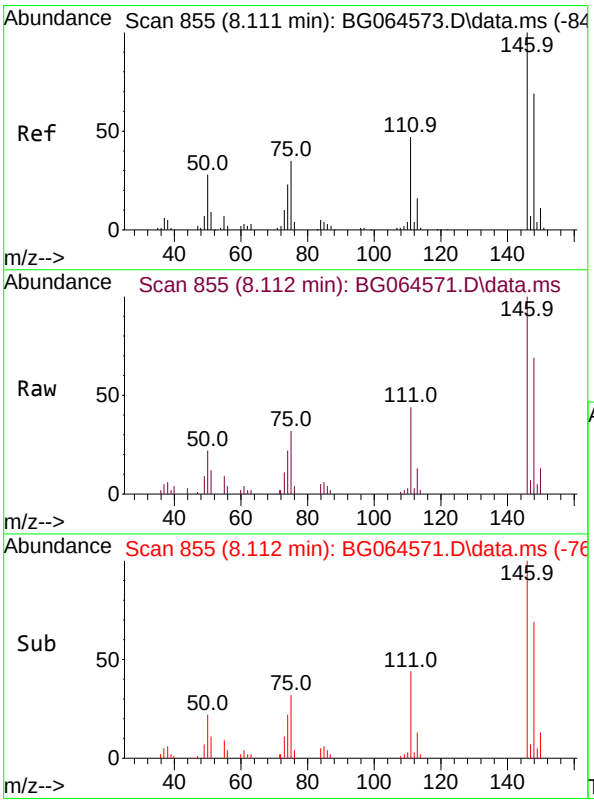
Ion	Ratio	Lower	Upper
93	100		
63	101.2	91.3	131.3
95	29.6	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

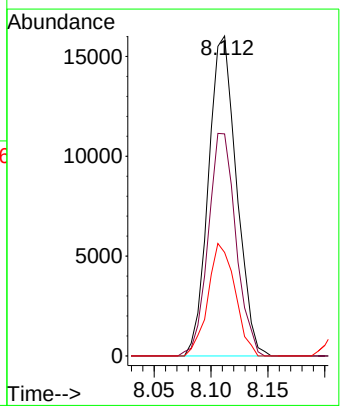
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

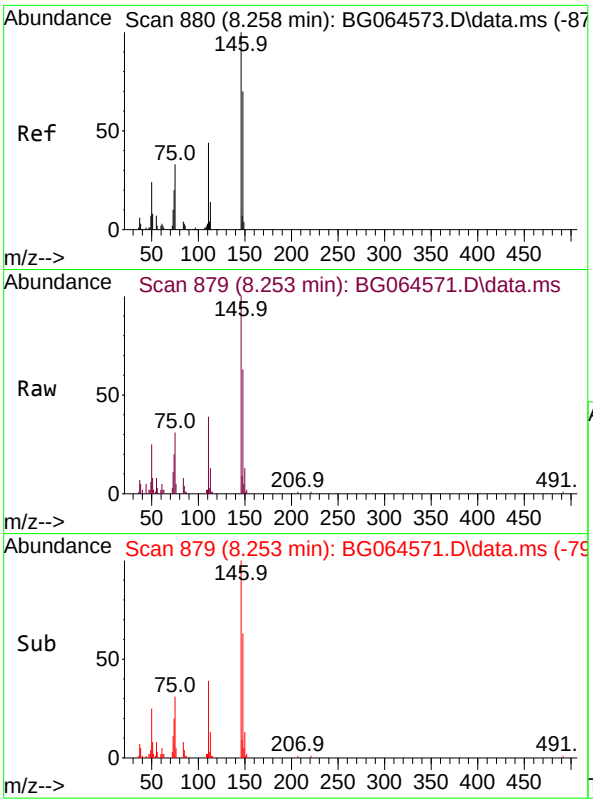


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

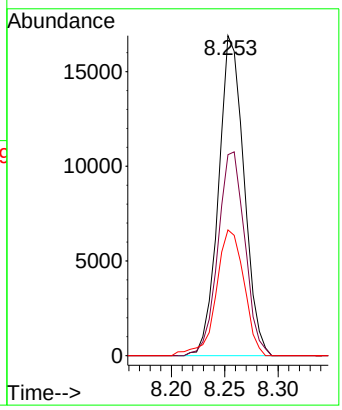




#13
1,4-Dichlorobenzene
Concen: 10.593 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 2808

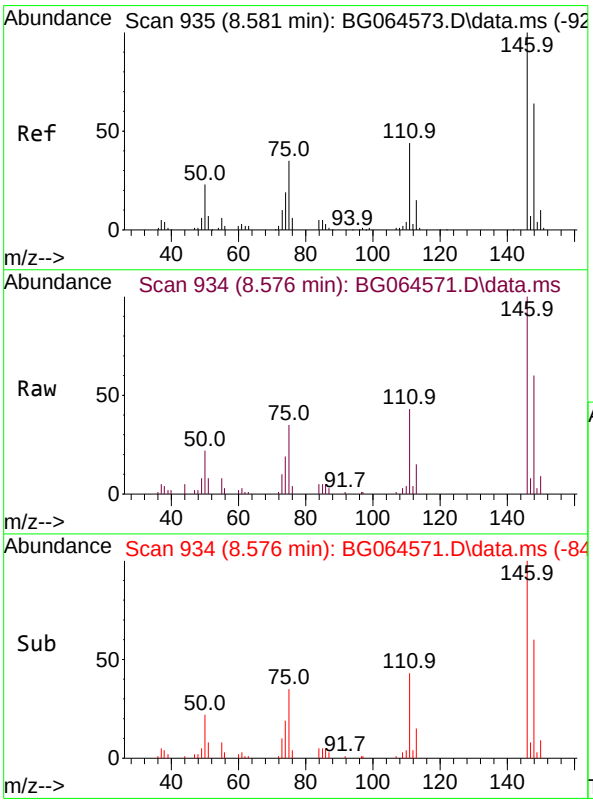
Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

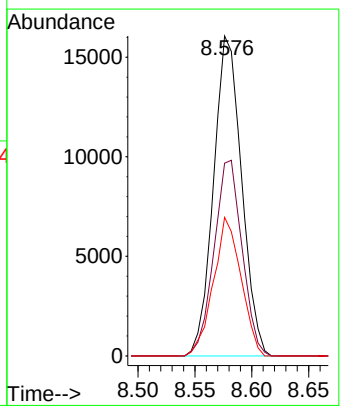
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

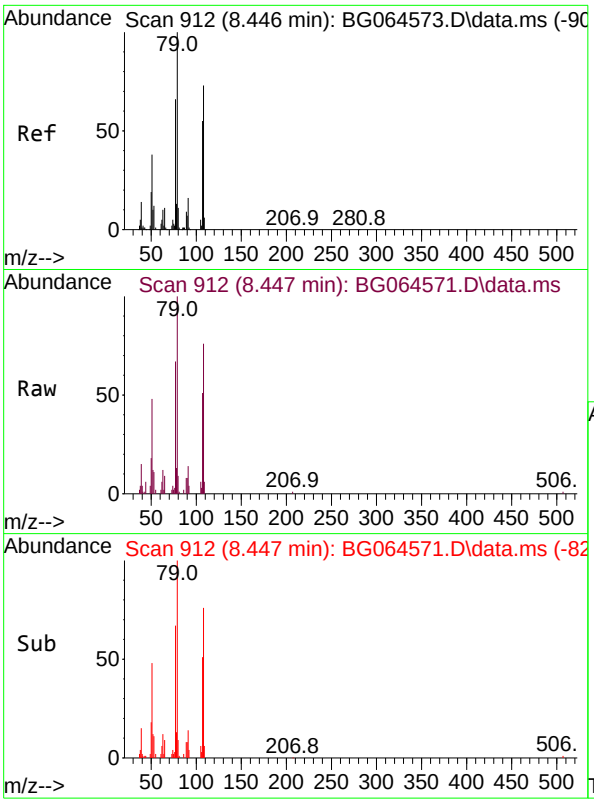


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

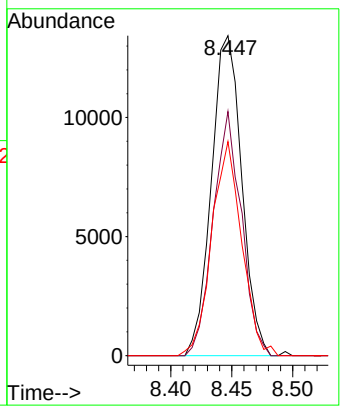




#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2326

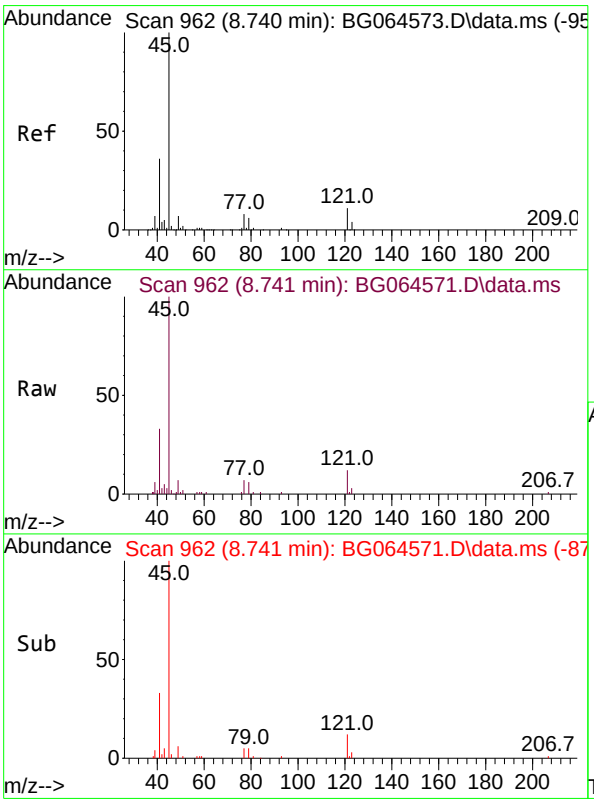
Ion	Ratio	Lower	Upper
79	100		
108	76.3	58.1	87.1
77	66.9	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

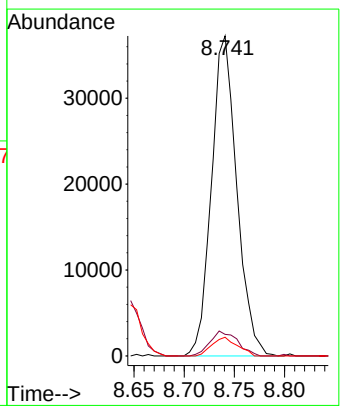
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

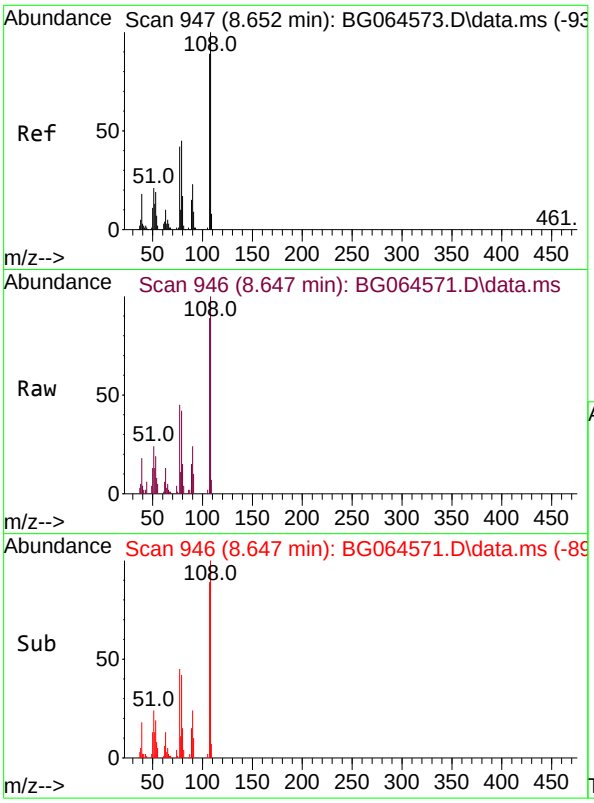


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

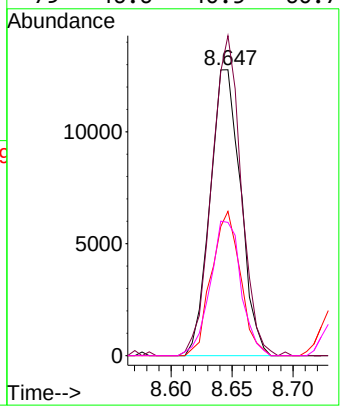




#17
2-Methylphenol
Concen: 10.206 ng
RT: 8.647 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 2225

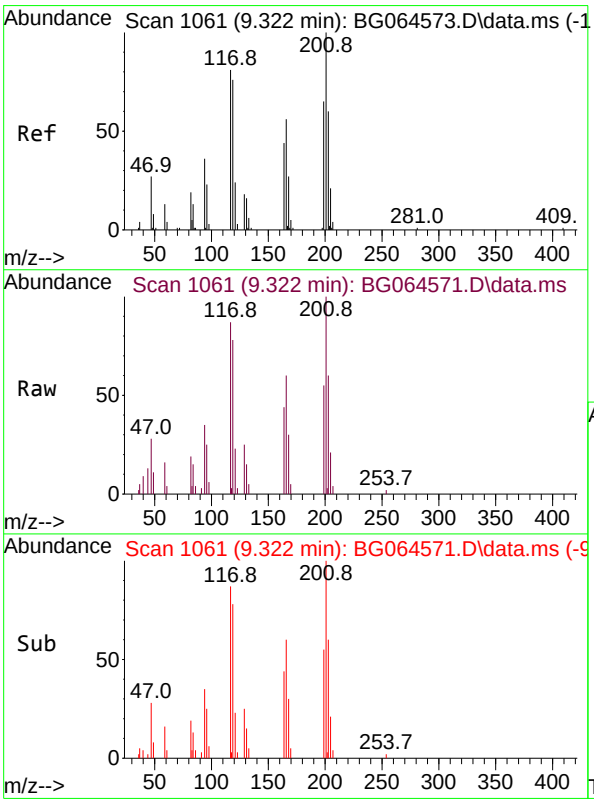
Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.0	135.0
77	50.5	37.8	56.8
79	46.6	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

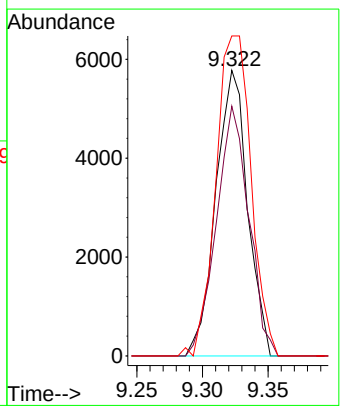
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

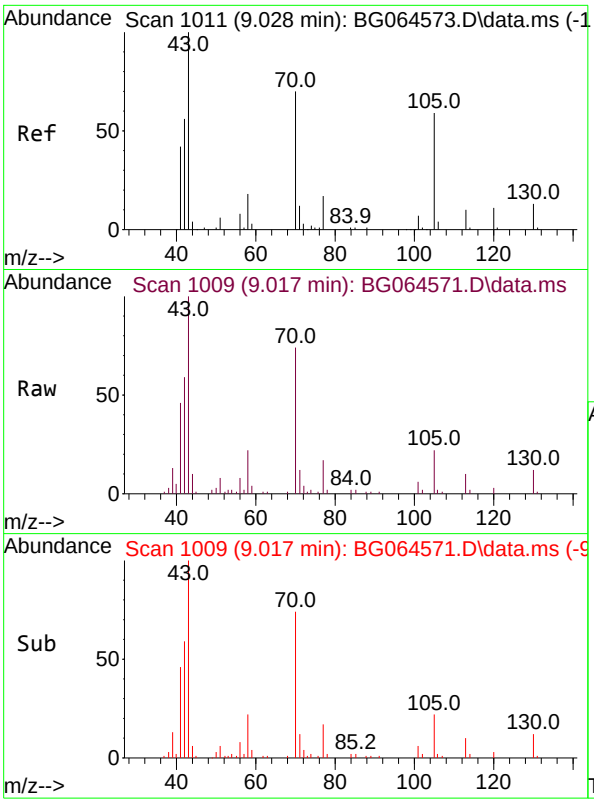


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

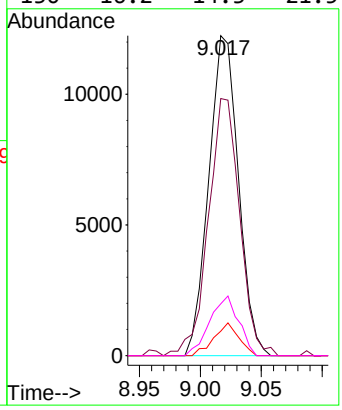




#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 10
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 70 Resp: 2072

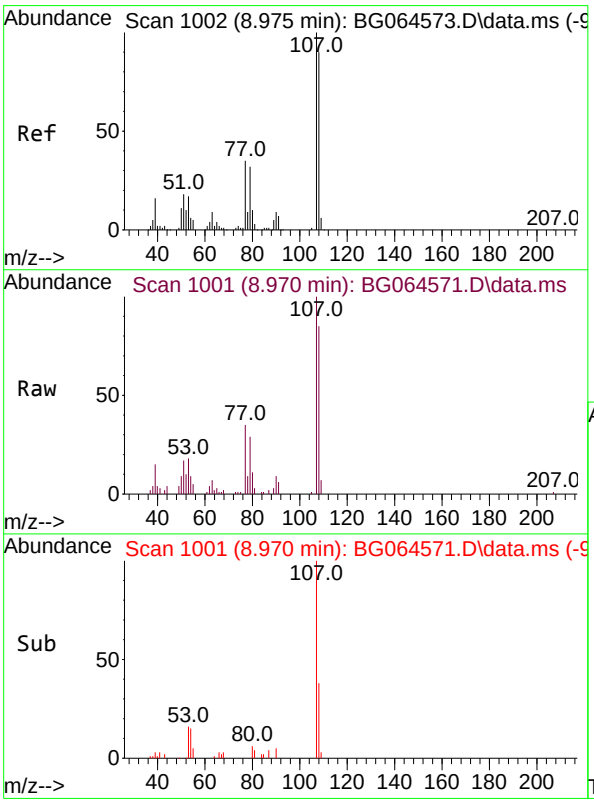
Ion	Ratio	Lower	Upper
70	100		
42	80.3	65.2	97.8
101	7.6	7.9	11.9#
130	16.2	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

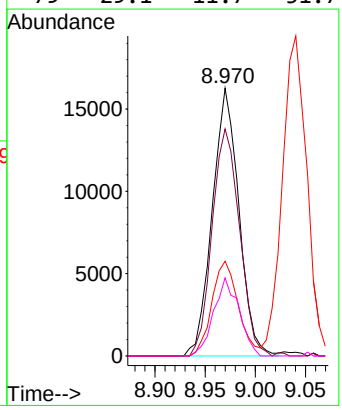
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

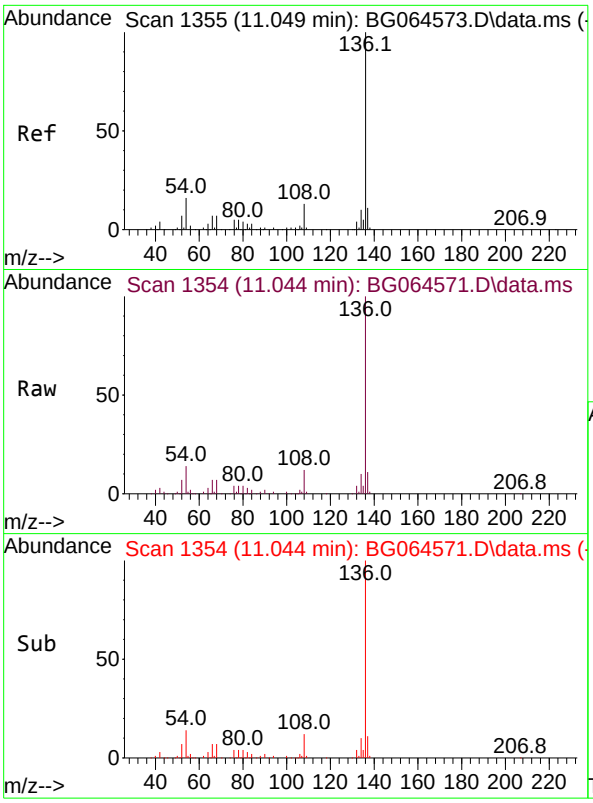


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

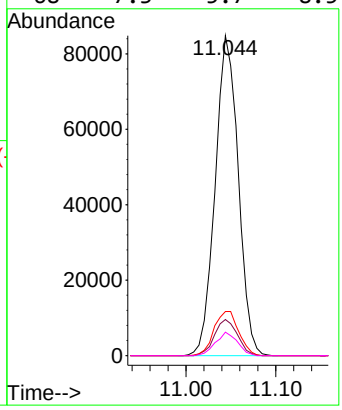




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:136 Resp: 15162

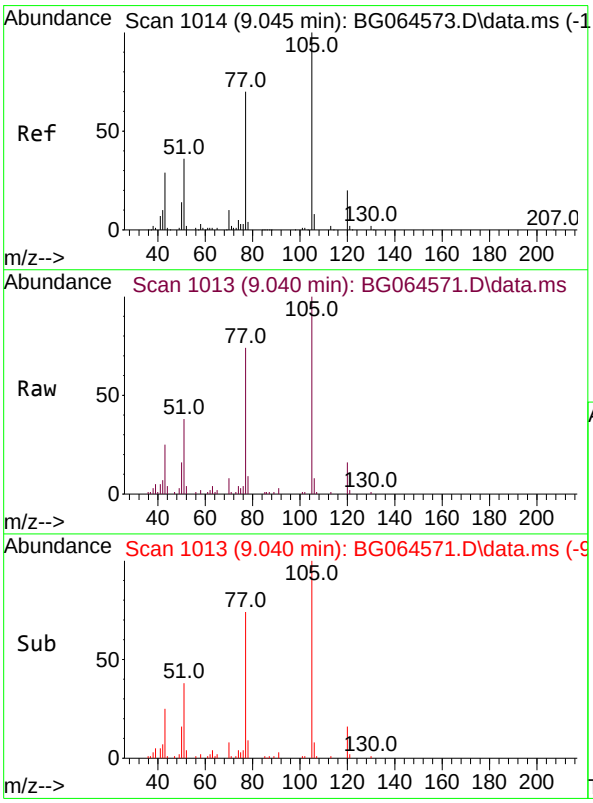
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	13.8	12.6	19.0
68	7.3	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

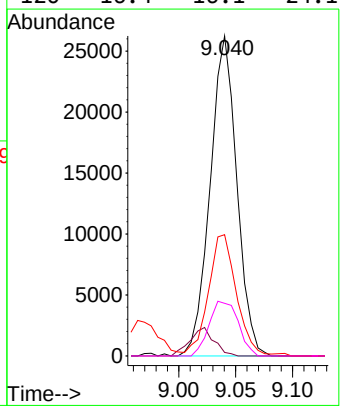
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

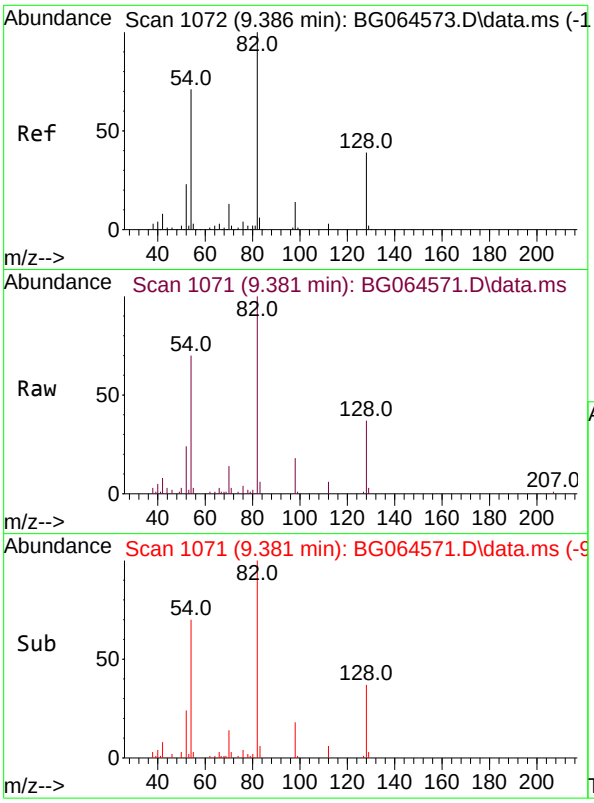


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

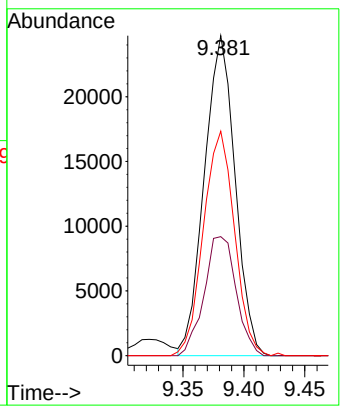




#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 4337

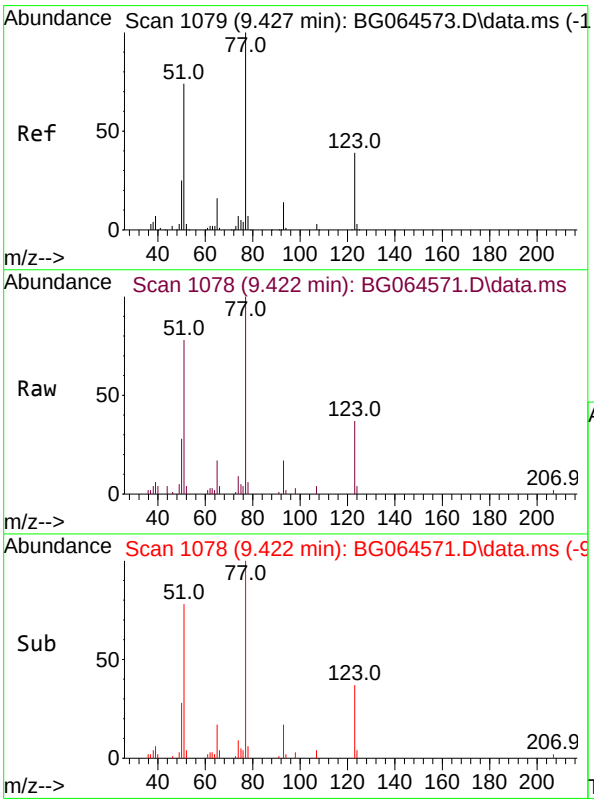
Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

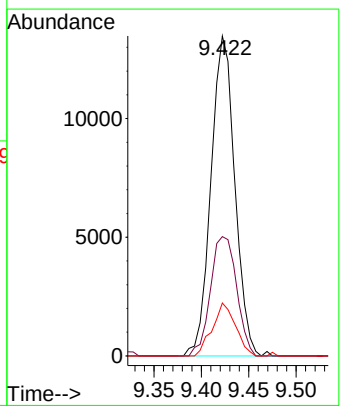
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

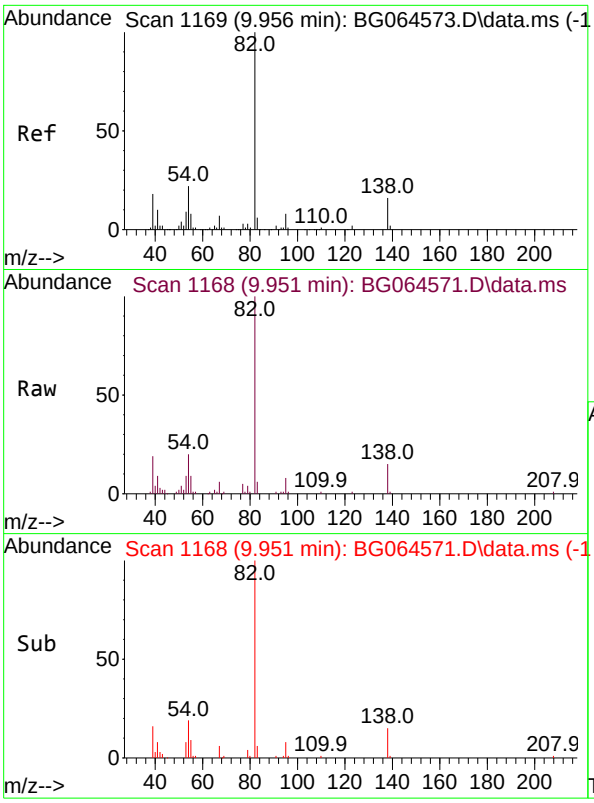


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

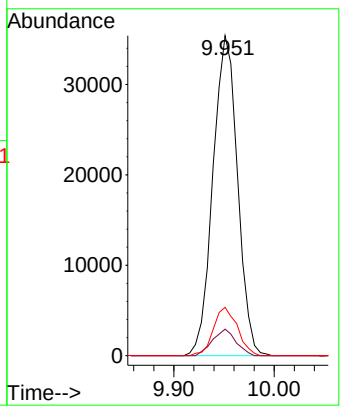




#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 6034

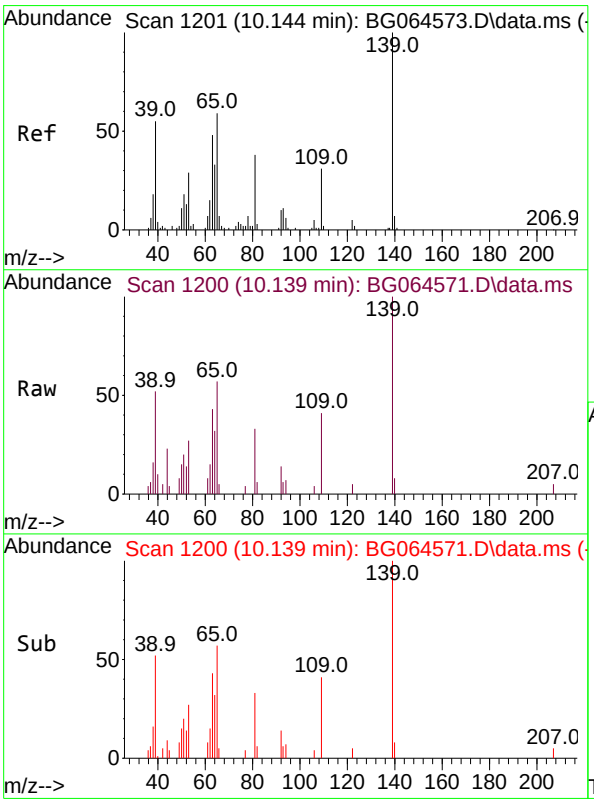
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

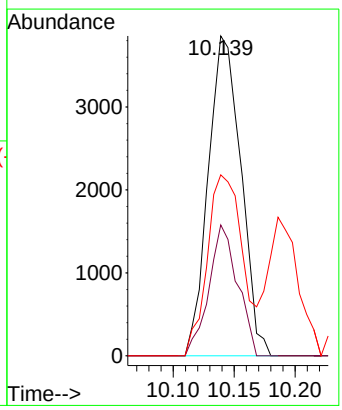
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

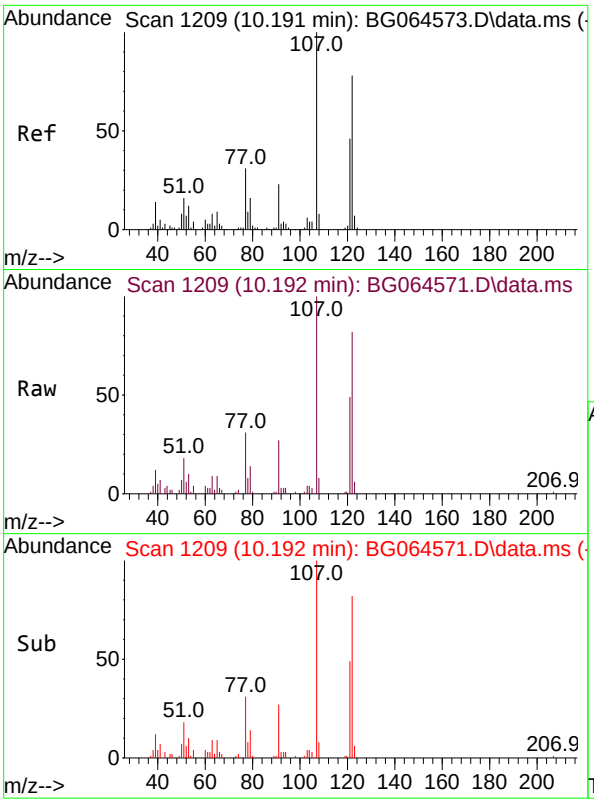


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

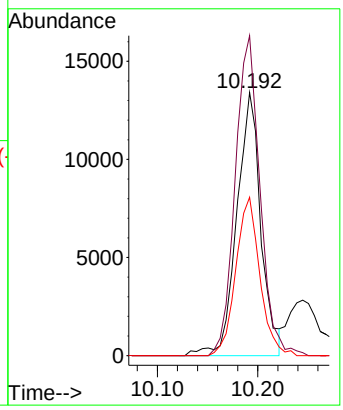




#27
2,4-Dimethylphenol
Concen: 9.879 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 2225

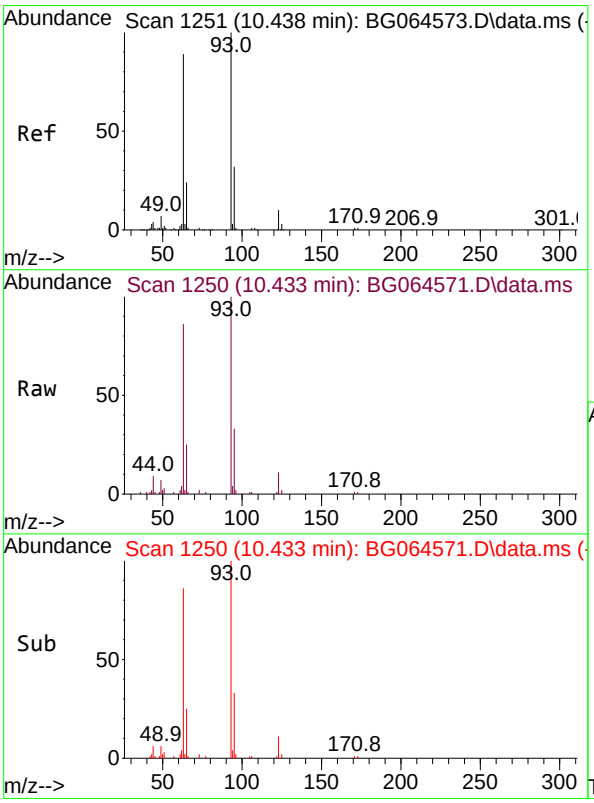
Ion	Ratio	Lower	Upper
122	100		
107	121.6	103.0	154.4
121	60.2	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

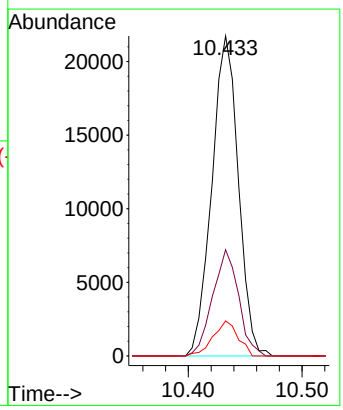
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

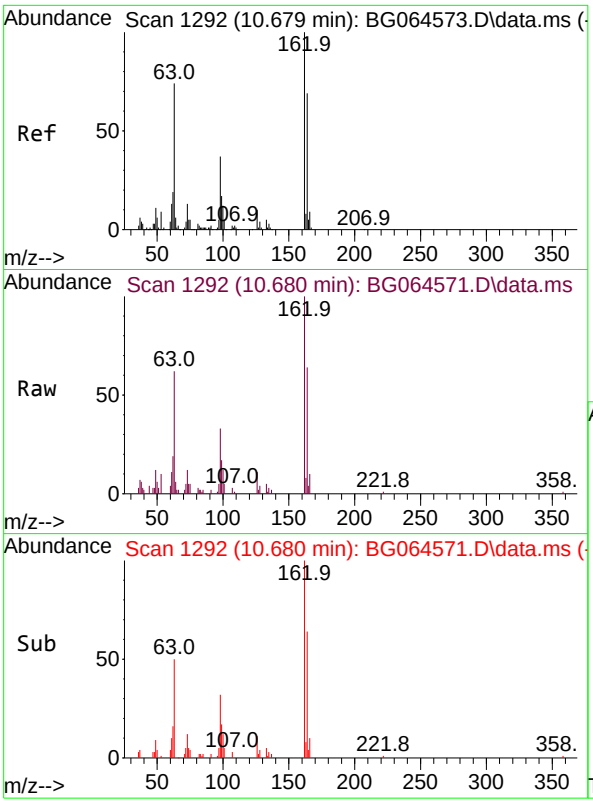


#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

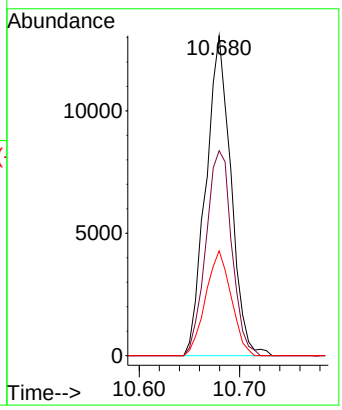




#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 2264

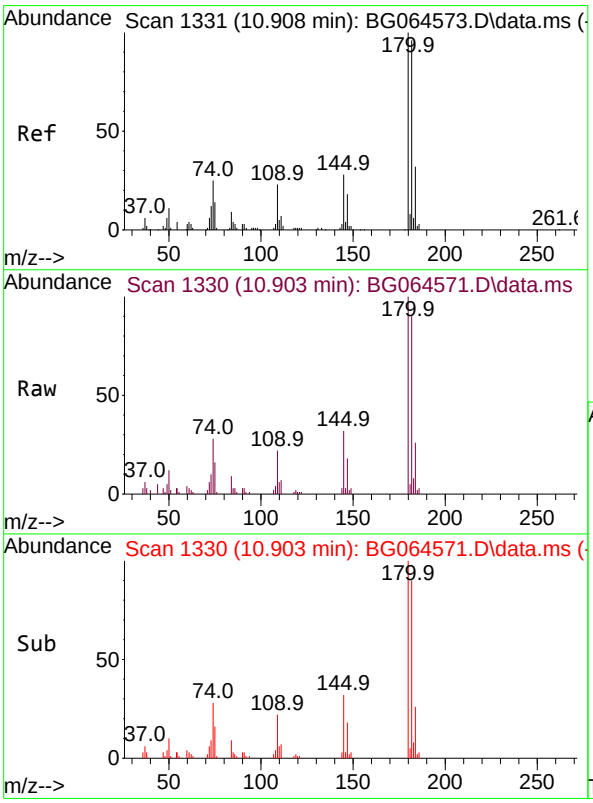
Ion	Ratio	Lower	Upper
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

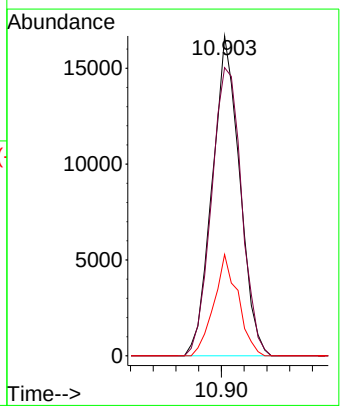
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

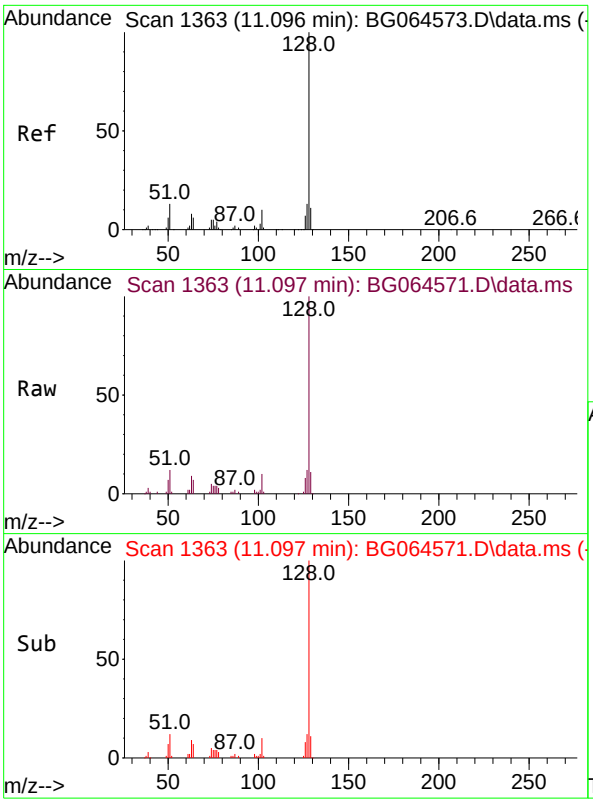


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

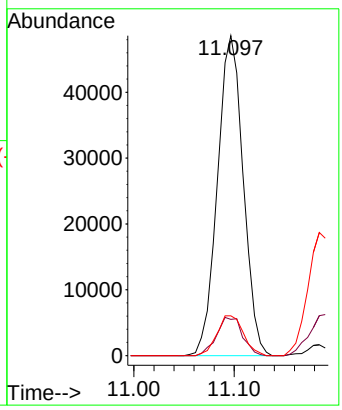




#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 8675

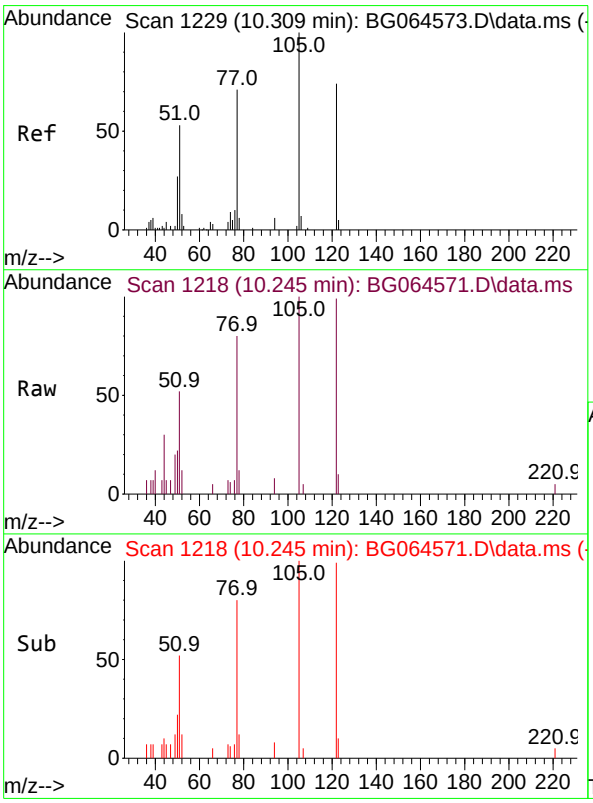
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

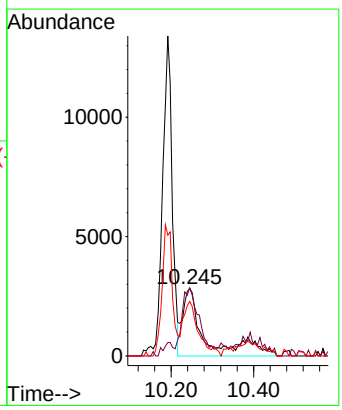
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

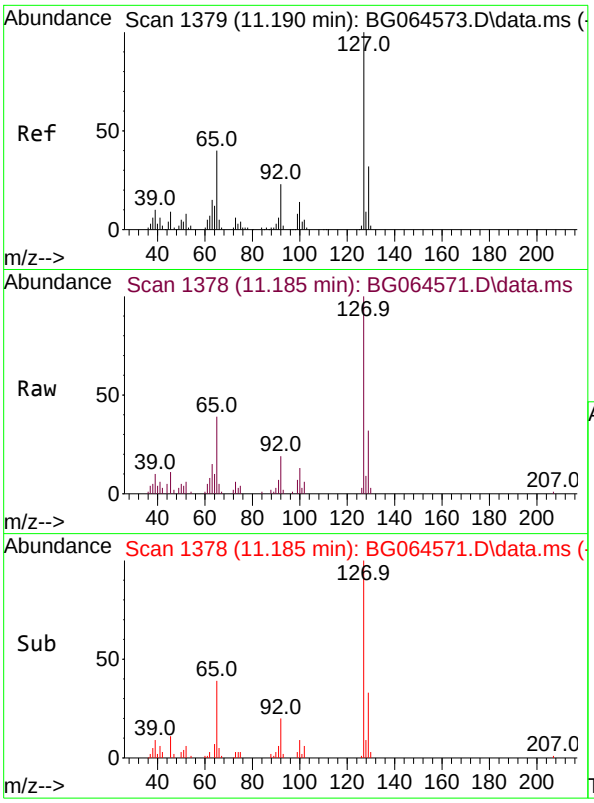


#32
Benzoic acid
Concen: 10.637 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.064 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

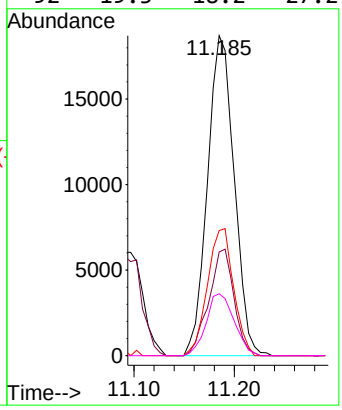




#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:127 Resp: 3458

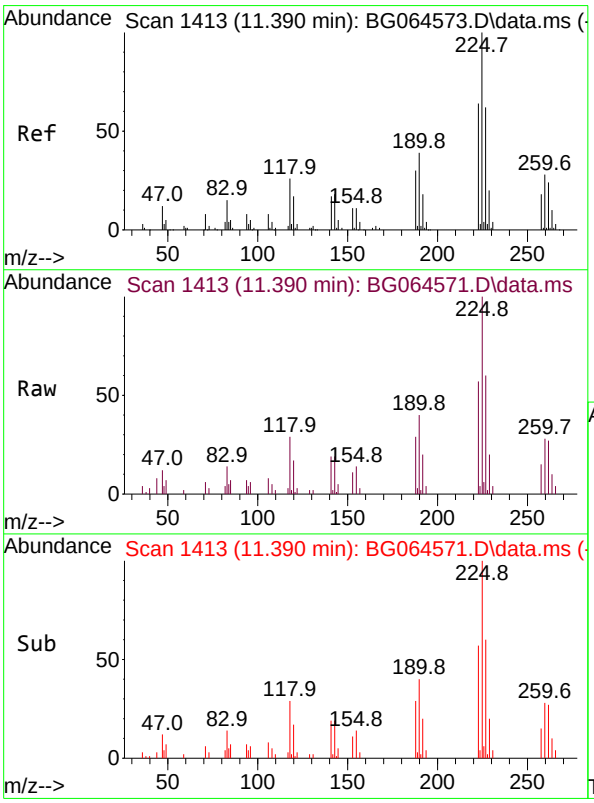
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	39.1	32.2	48.4
92	19.3	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

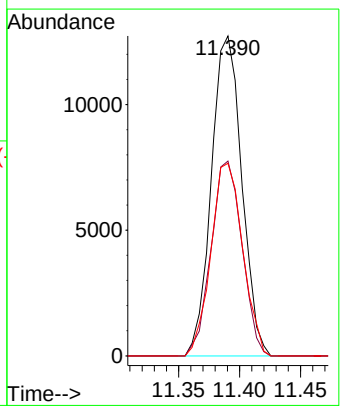
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

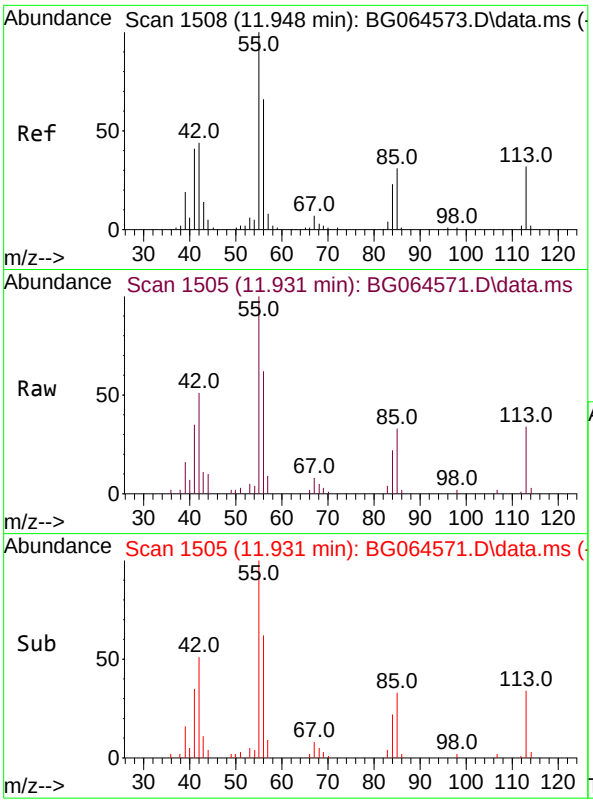


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

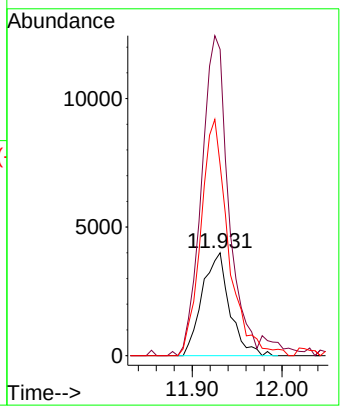




#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:113 Resp: 852

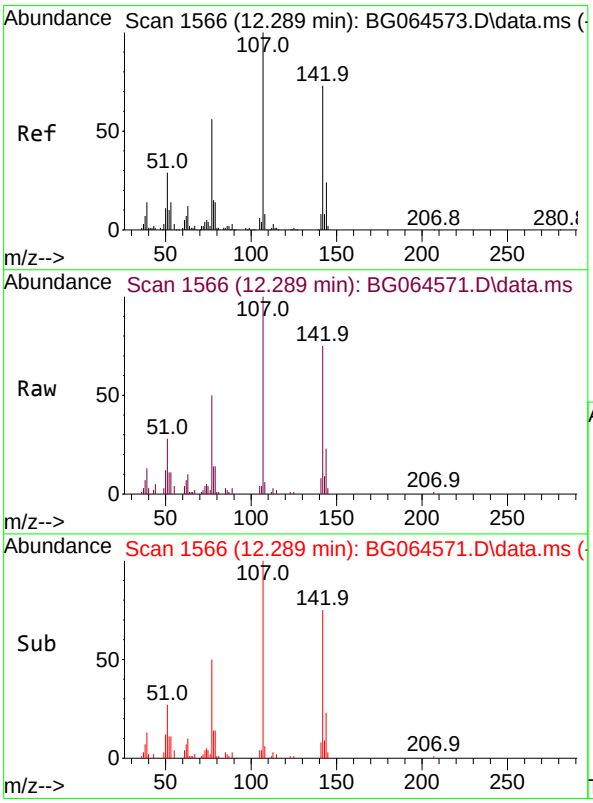
Ion	Ratio	Lower	Upper
113	100		
55	297.7	290.1	330.1
56	185.5	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

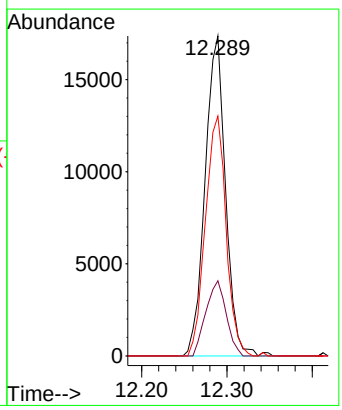
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

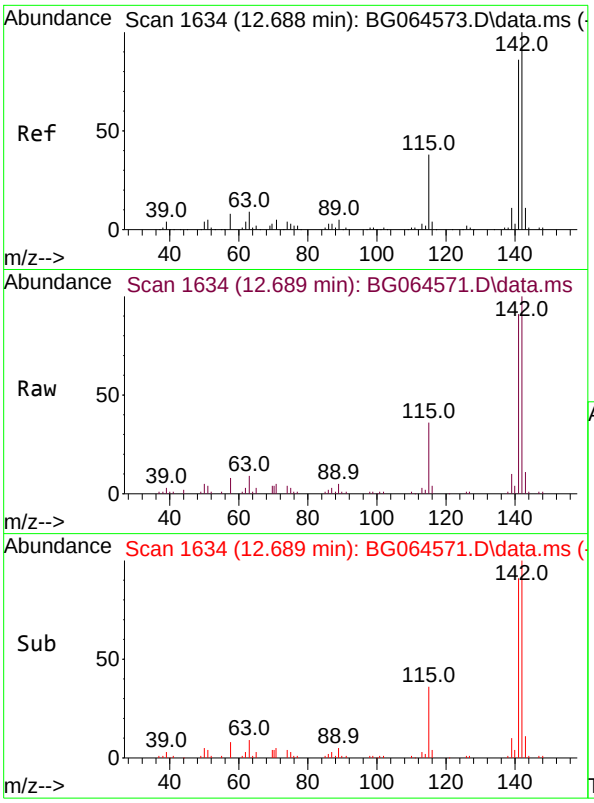


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

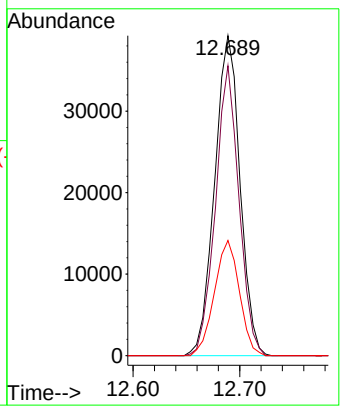




#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 6507

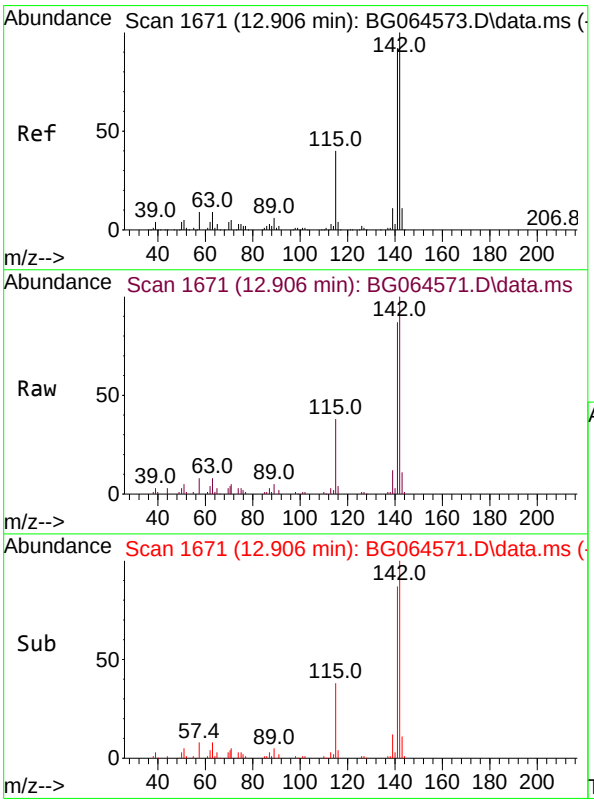
Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.9	103.3
115	36.0	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

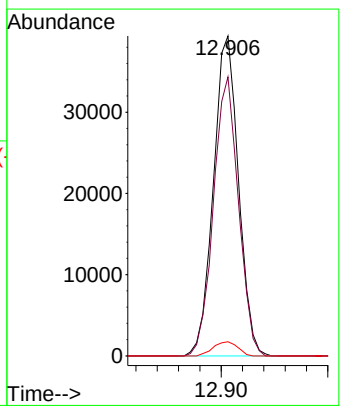
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

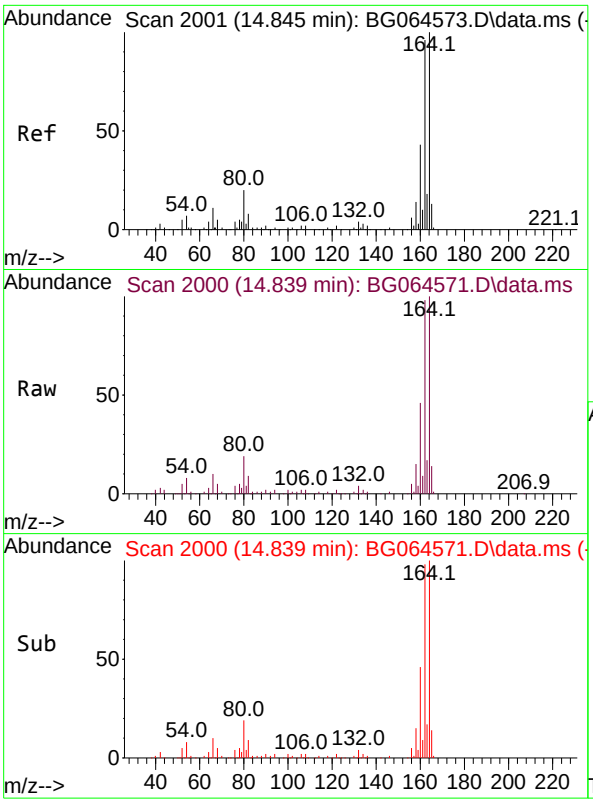


#38
1-Methylnaphthalene
Concen: 10.540 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

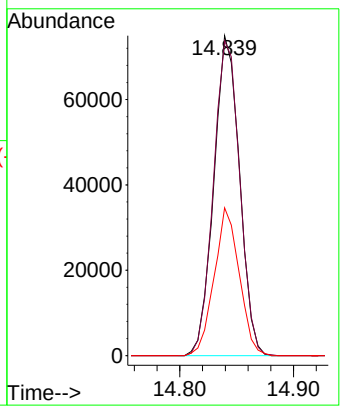




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:164 Resp: 11761

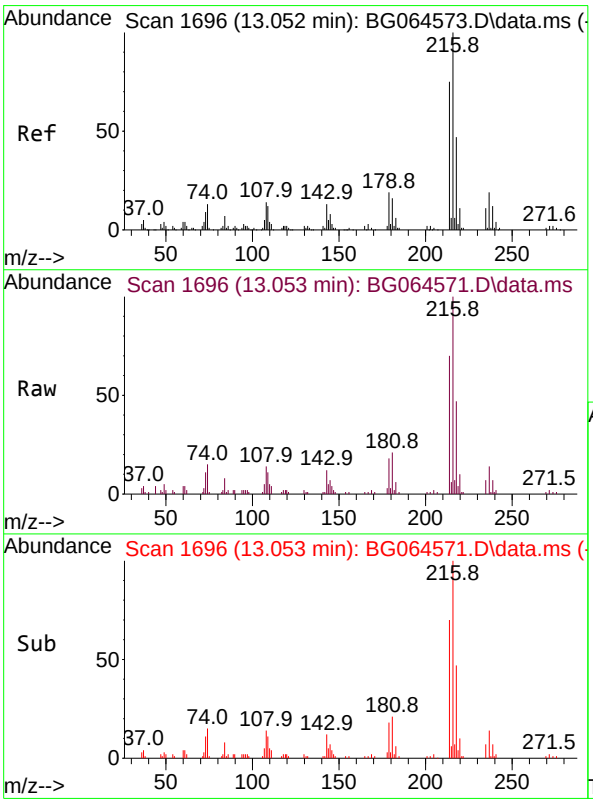
Ion	Ratio	Lower	Upper
164	100		
162	98.4	77.0	115.6
160	46.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

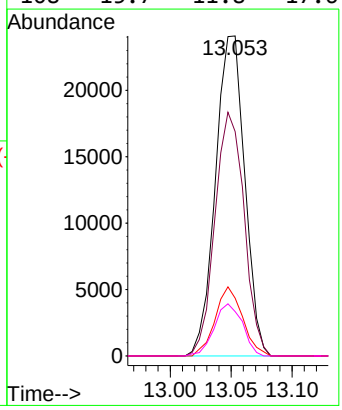
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

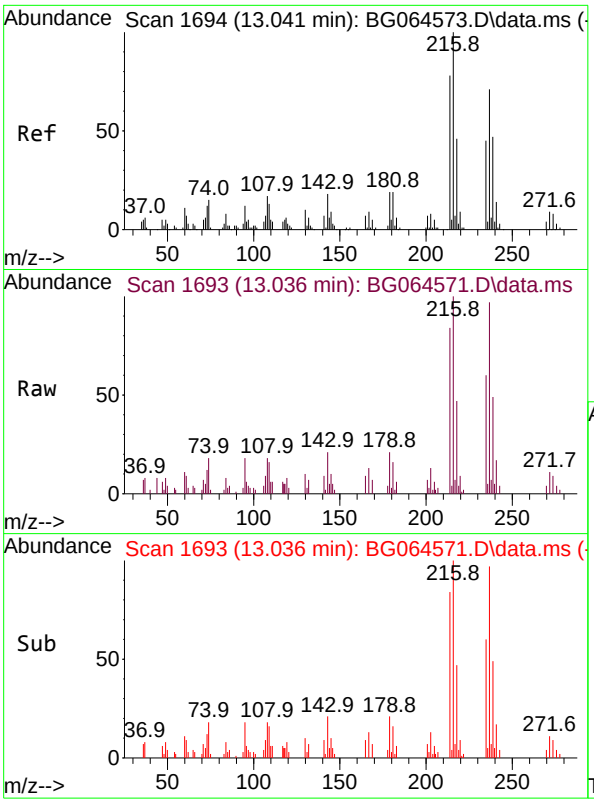


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

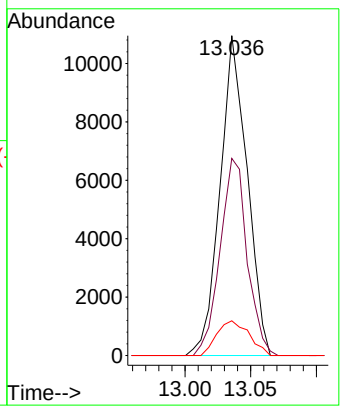




#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:237 Resp: 1573

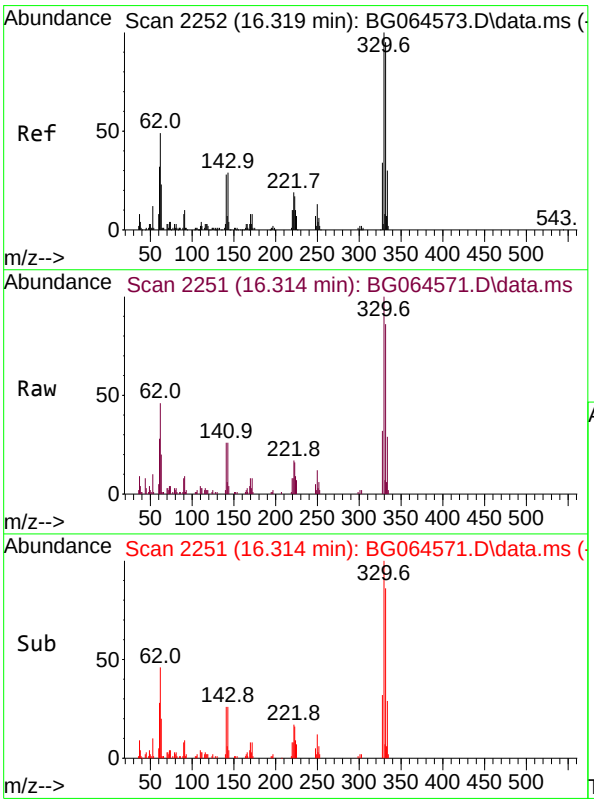
Ion	Ratio	Lower	Upper
237	100		
235	61.6	44.1	84.1
272	10.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

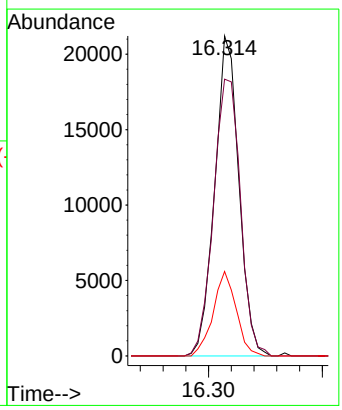
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

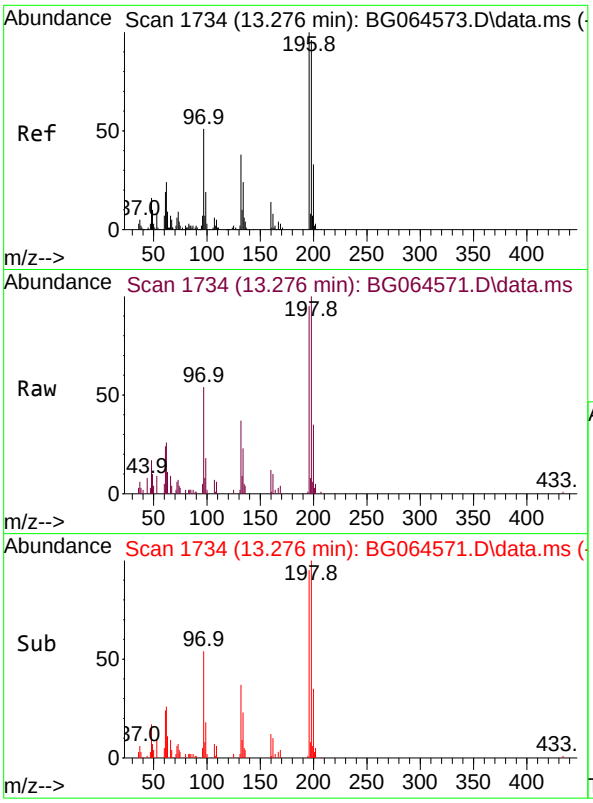


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

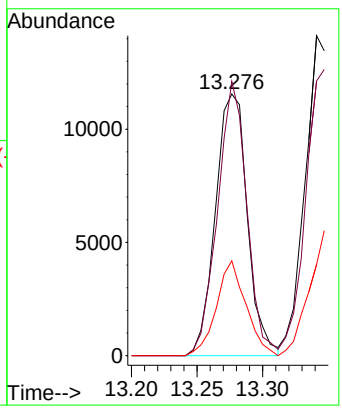




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 1958

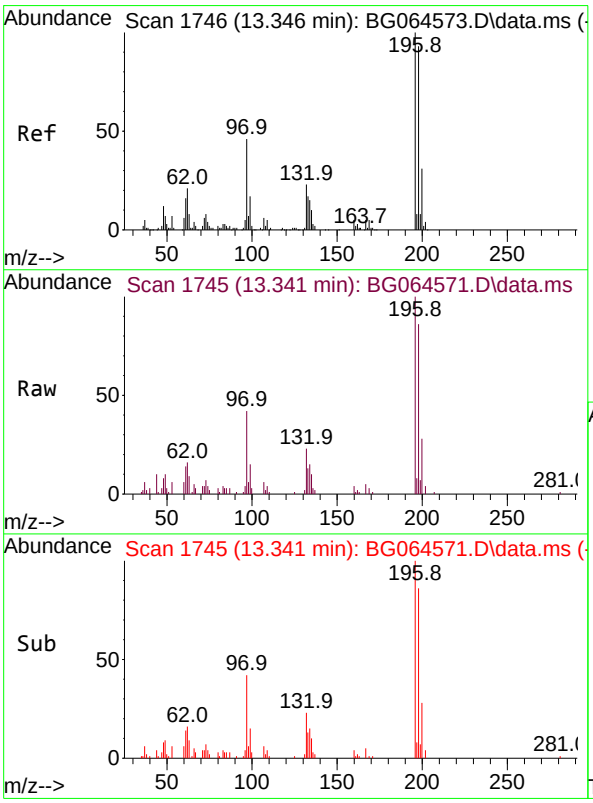
Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

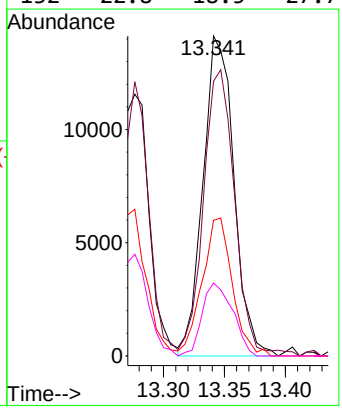
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

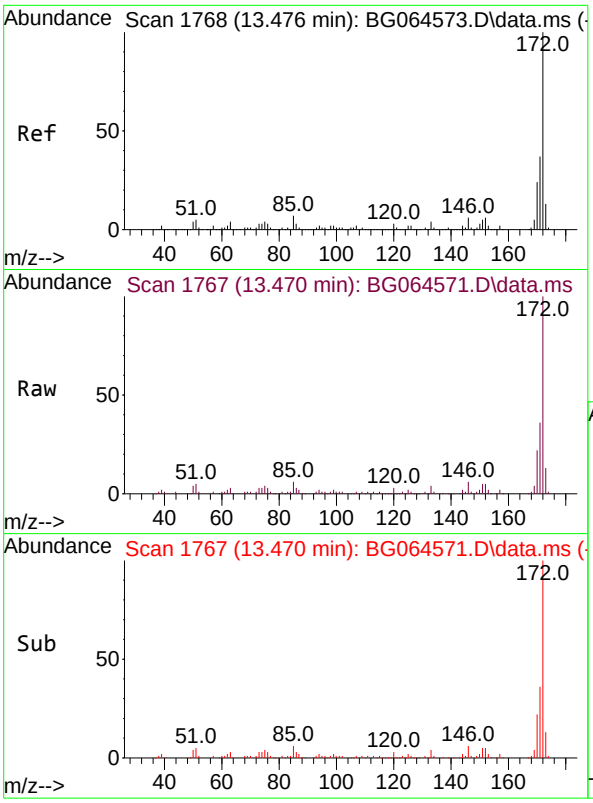


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

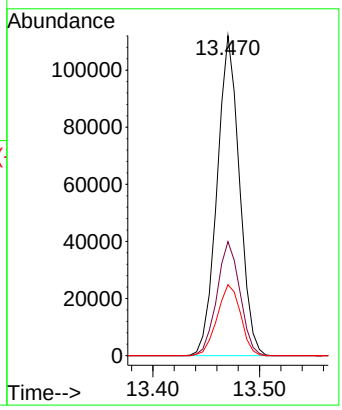




#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:172 Resp: 16334

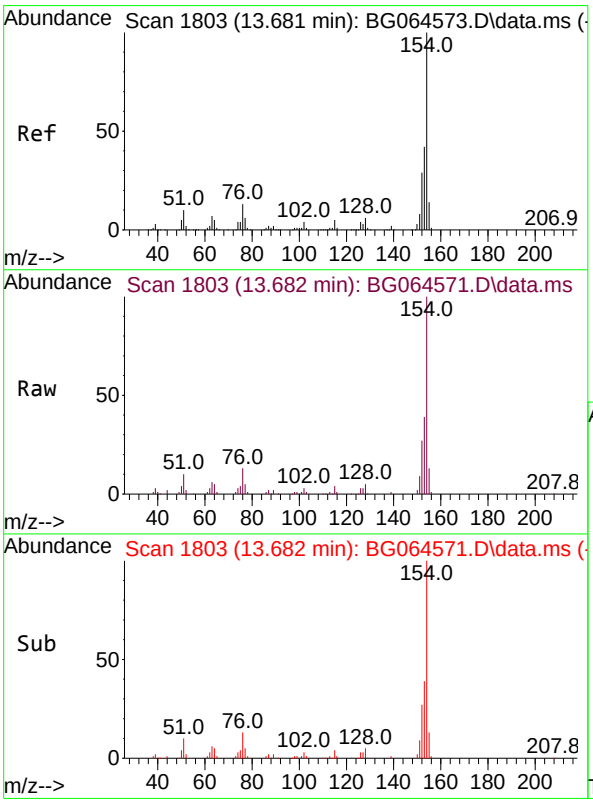
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

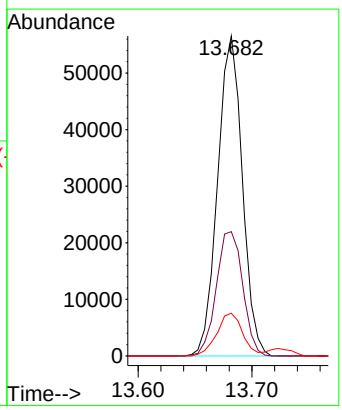
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

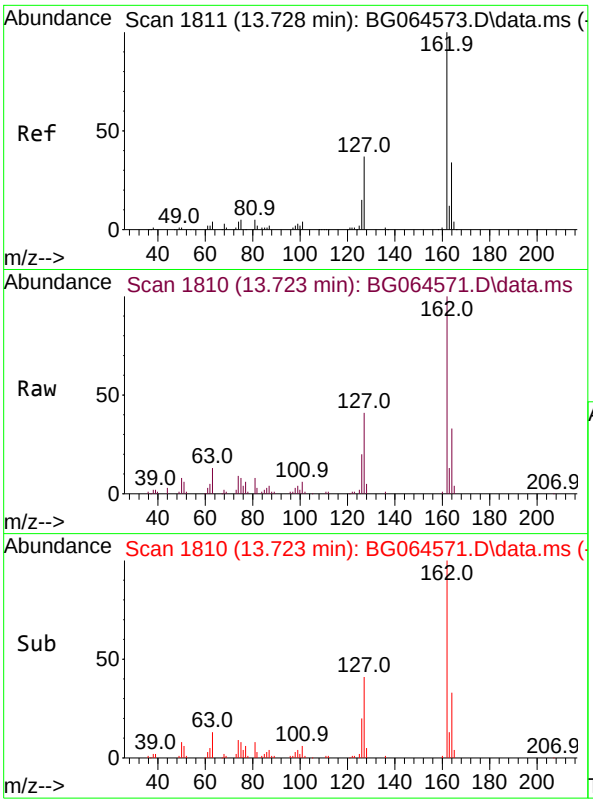


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

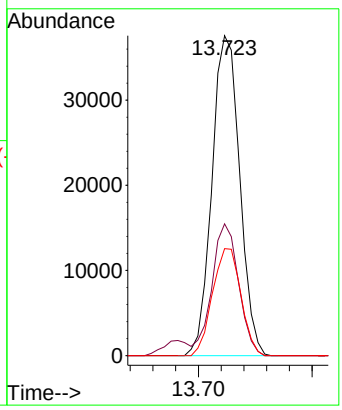




#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 18
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 6363

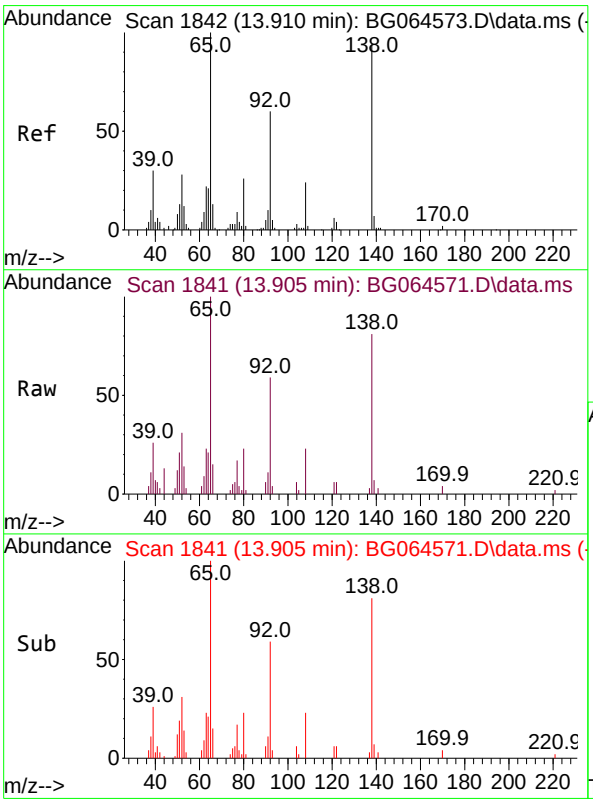
Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

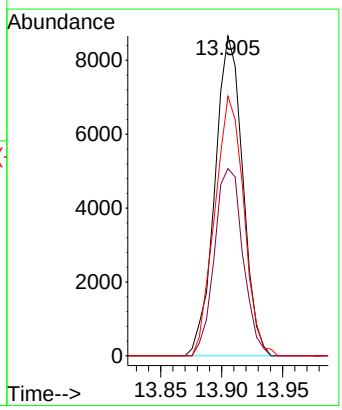
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

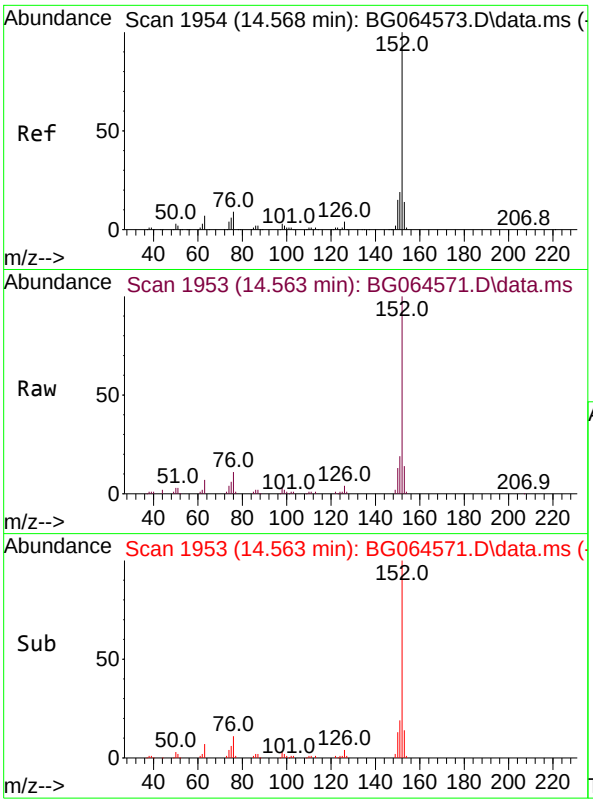


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

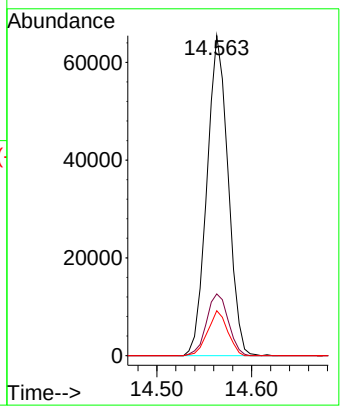




#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 10152

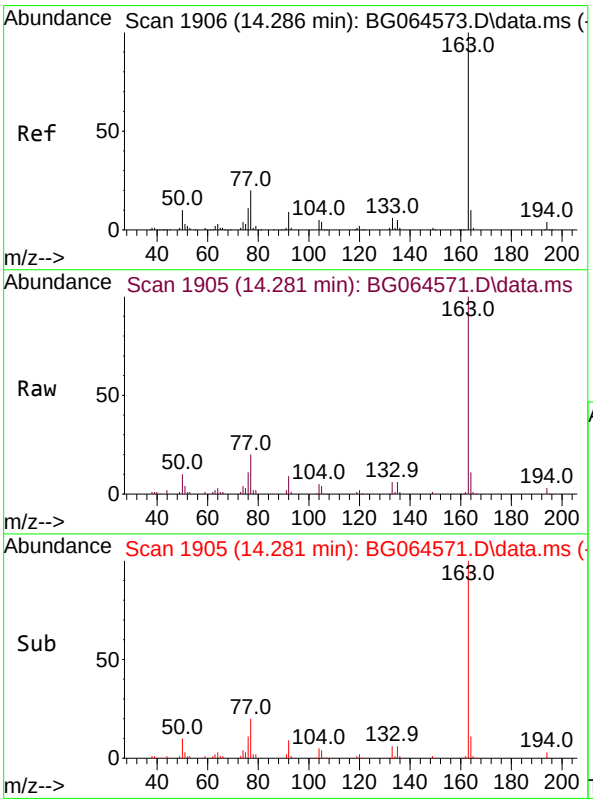
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

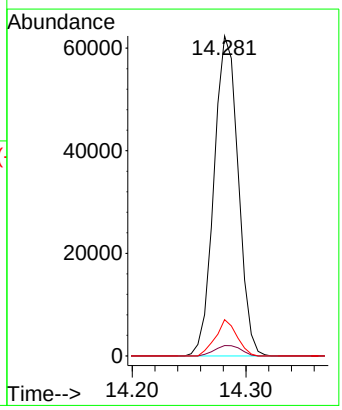
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

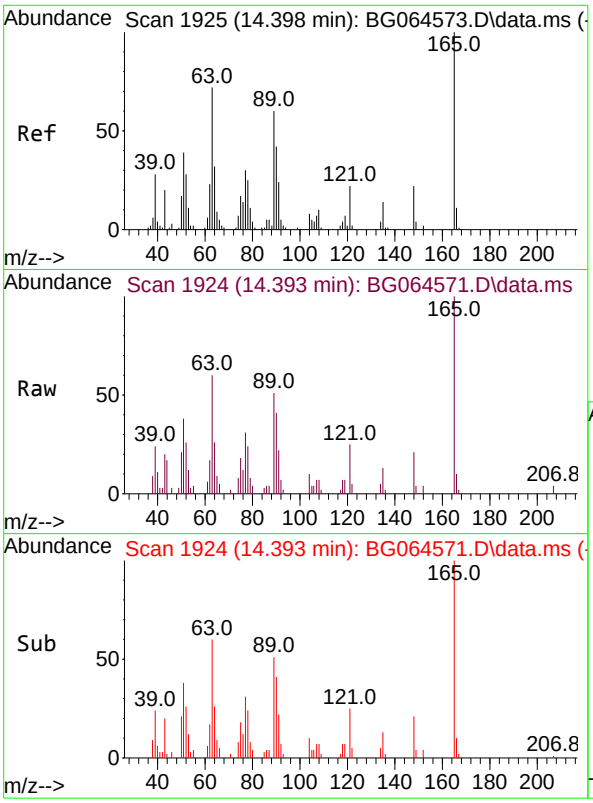


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

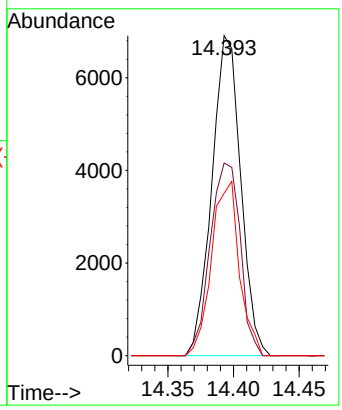




#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 10601

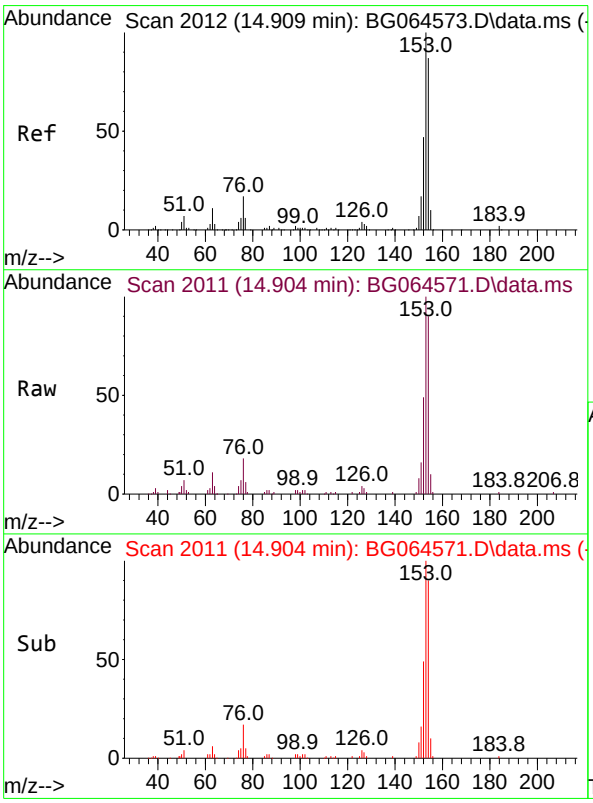
Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.4	86.0
89	50.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

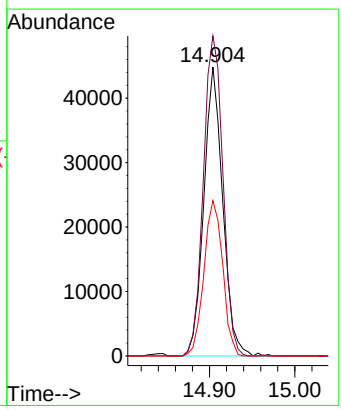
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

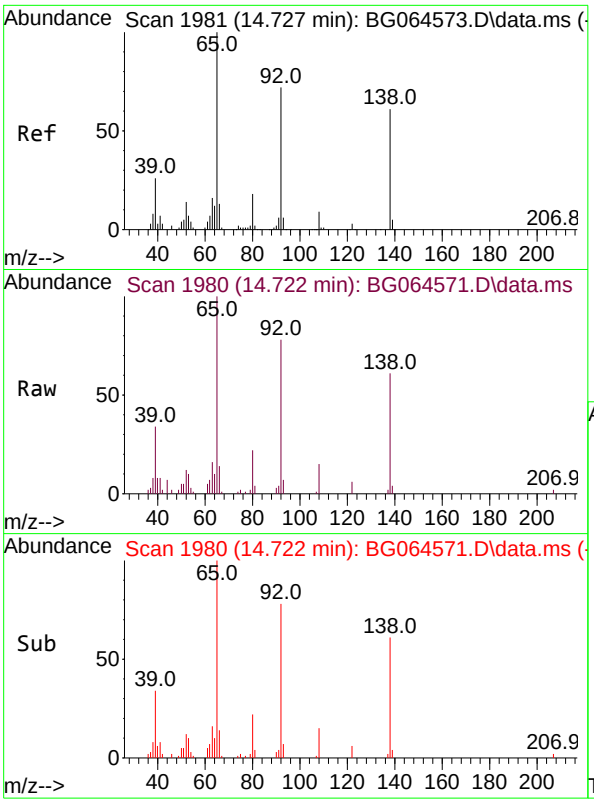


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

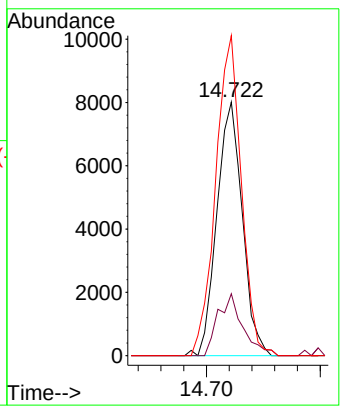




#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 1241

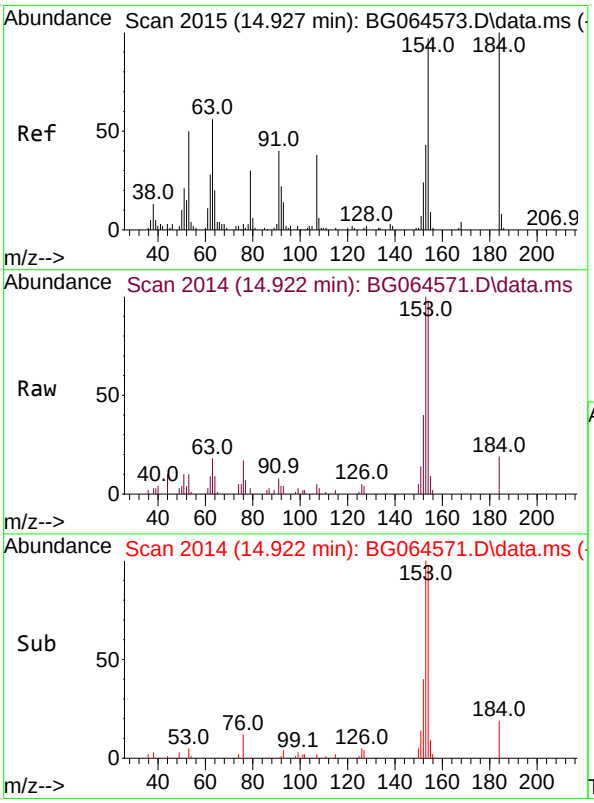
Ion	Ratio	Lower	Upper
138	100		
108	24.4	11.4	17.0#
92	126.2	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

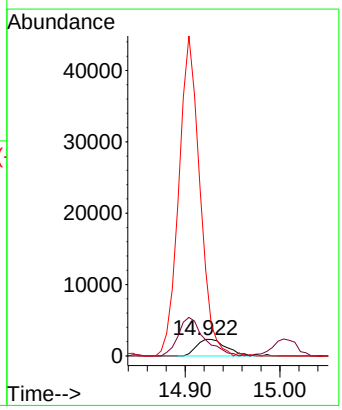
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

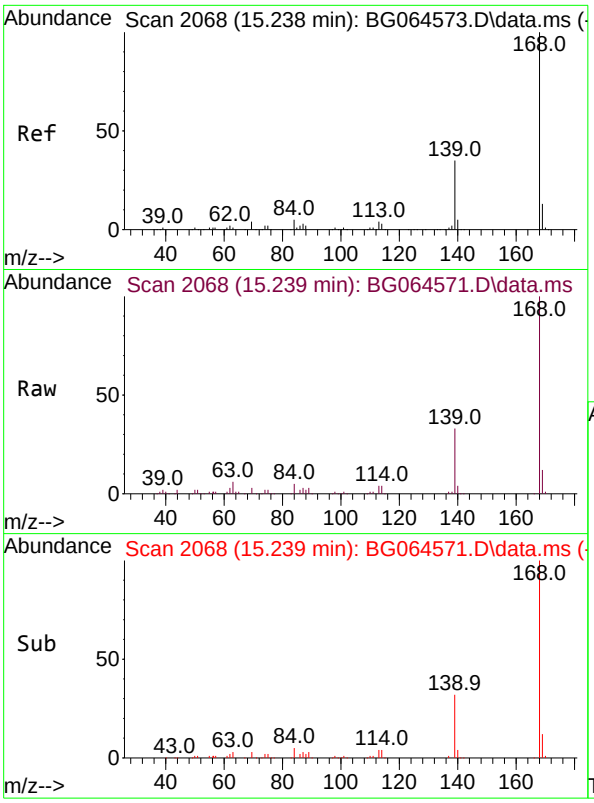


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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#

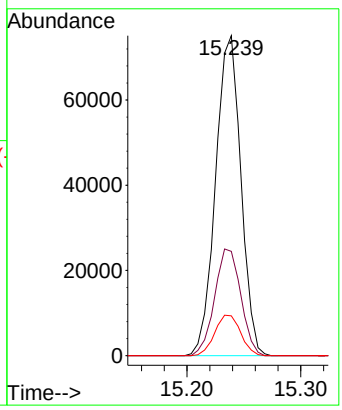




#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:168 Resp: 11599

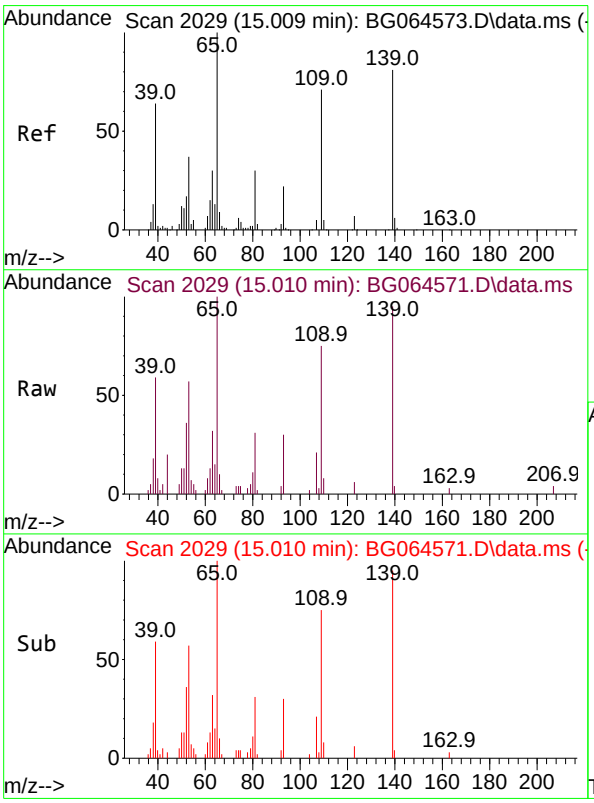
Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.8	41.8
169	12.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

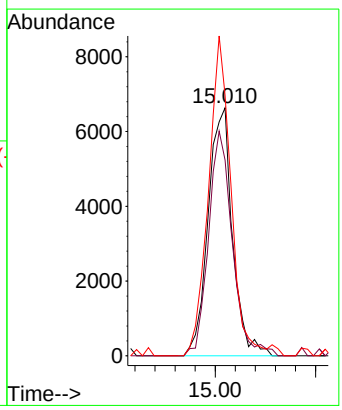
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

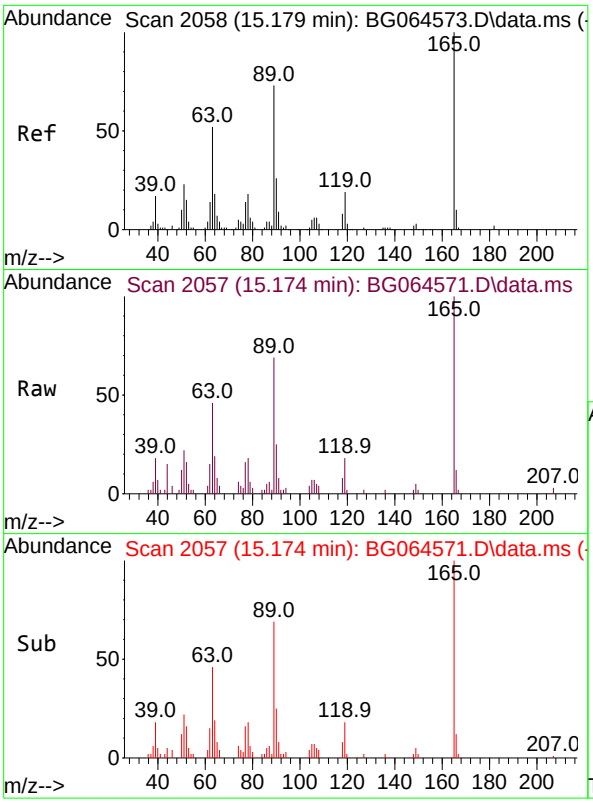


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

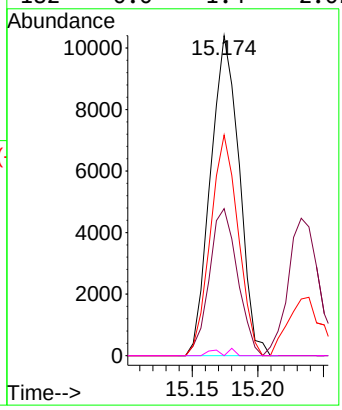




#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 1579

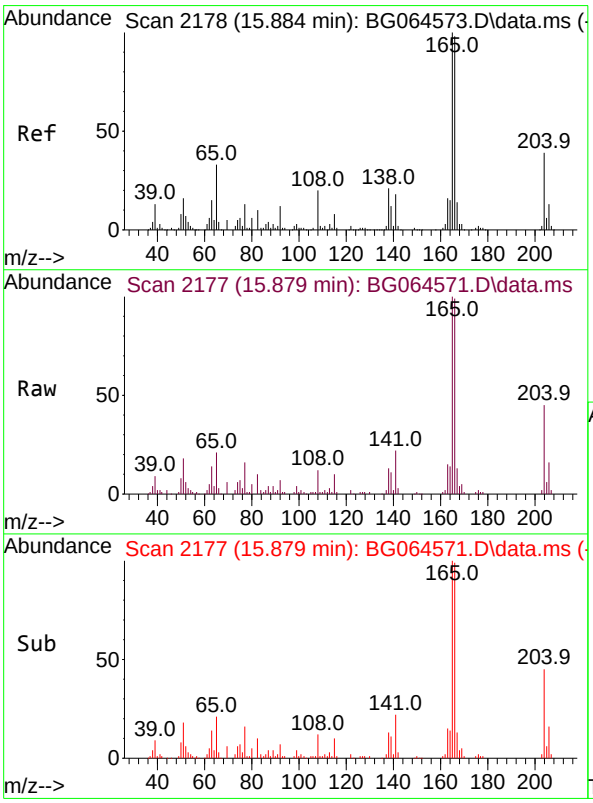
Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

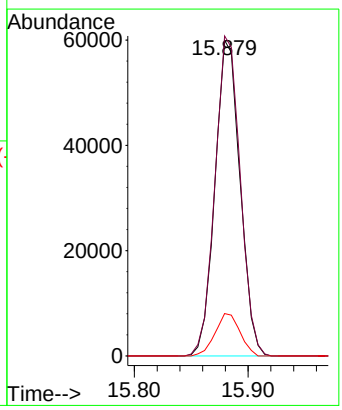
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

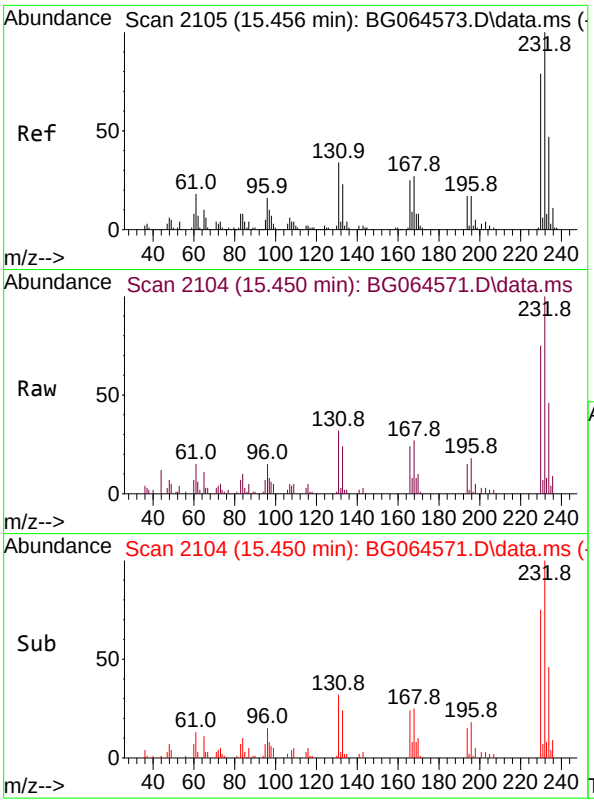


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

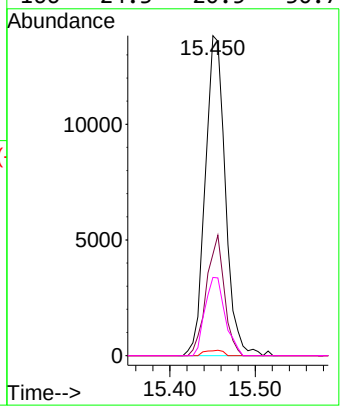




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:232 Resp: 2264

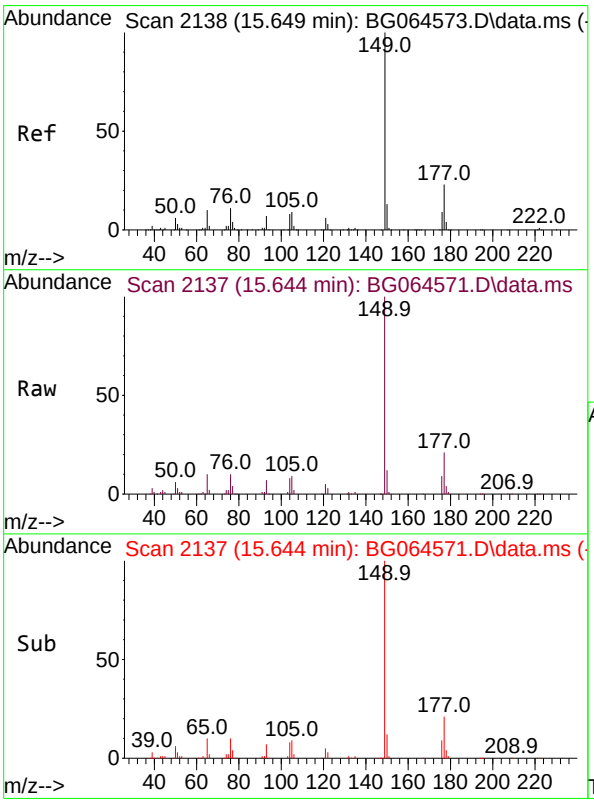
Ion	Ratio	Lower	Upper
232	100		
131	33.5	26.7	40.1
130	1.5	1.6	2.4#
166	24.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

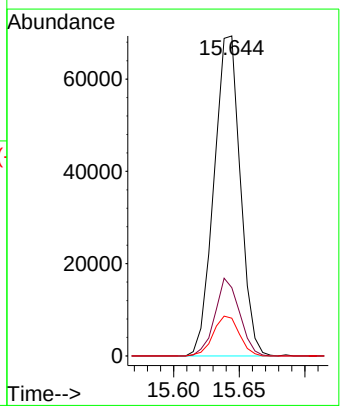
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

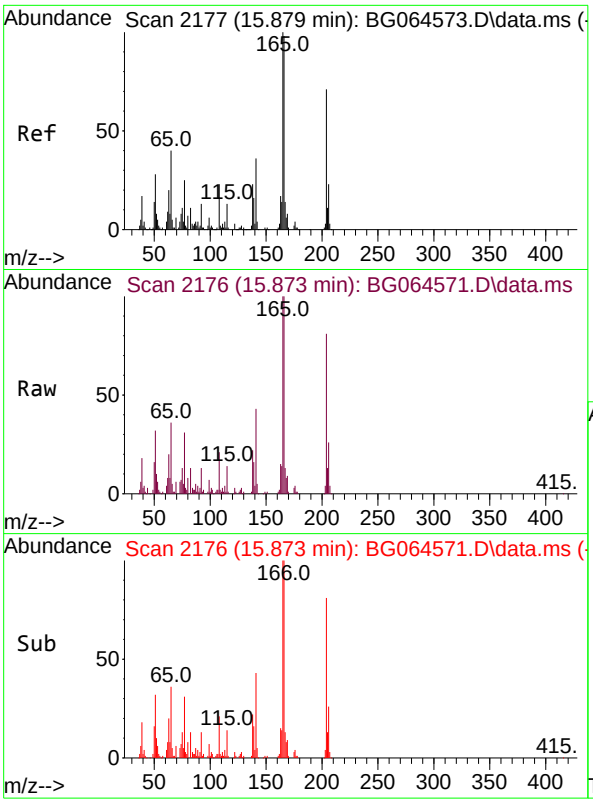


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

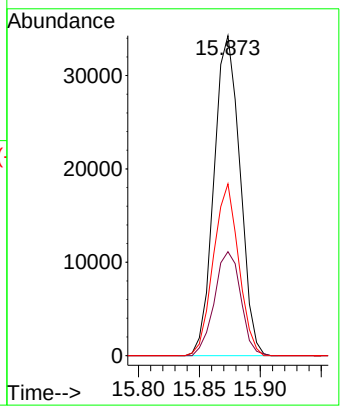




#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:204 Resp: 5081

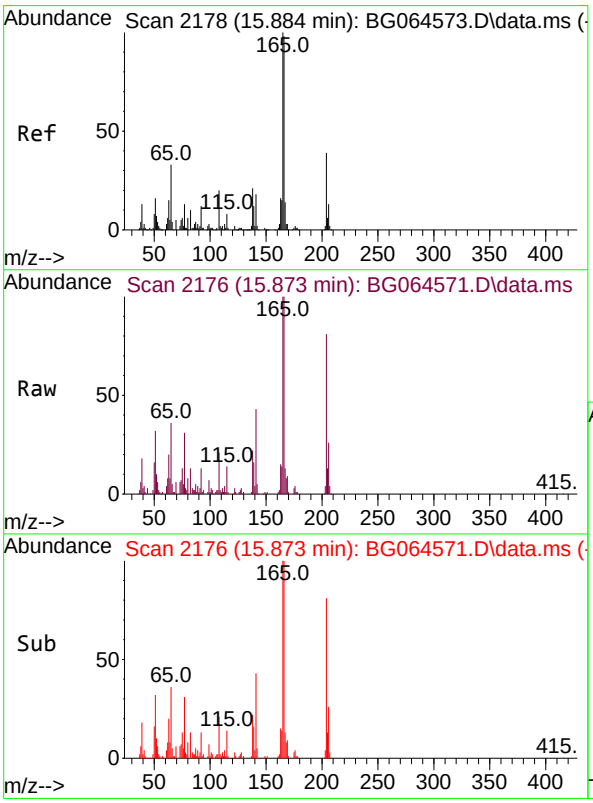
Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	53.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

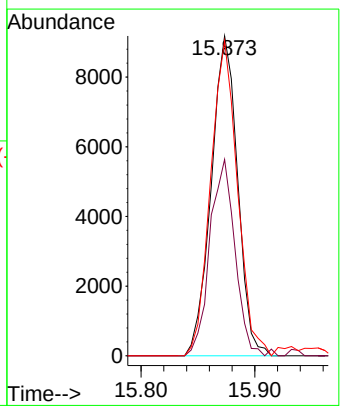
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

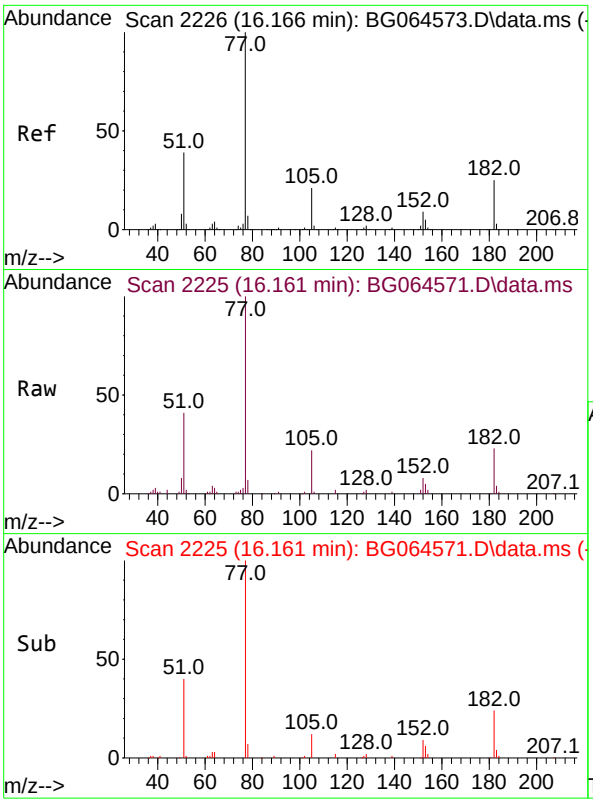


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

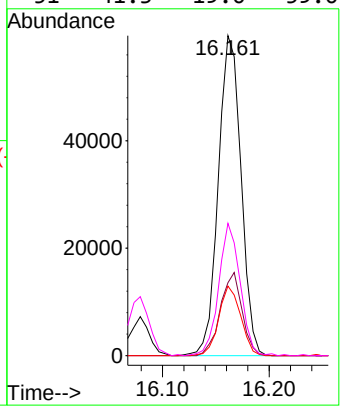




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 8844

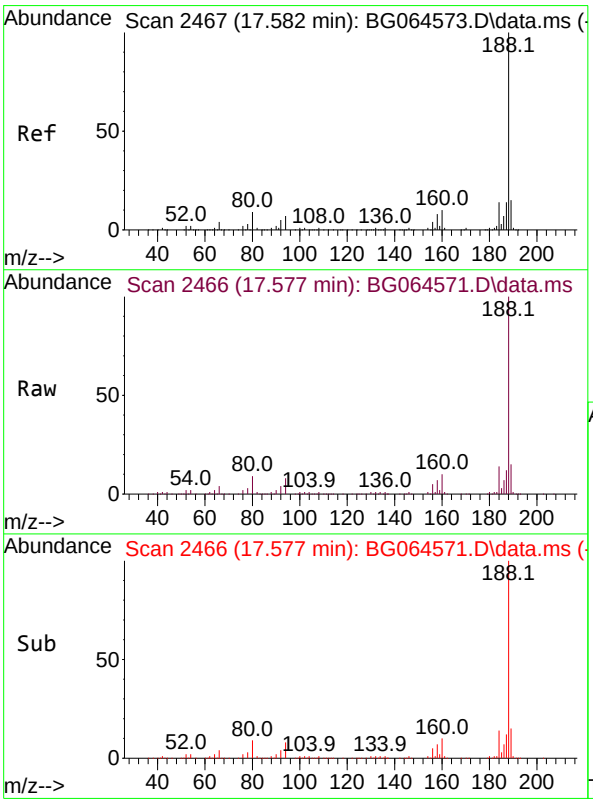
Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.9	44.9
105	21.7	1.3	41.3
51	41.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

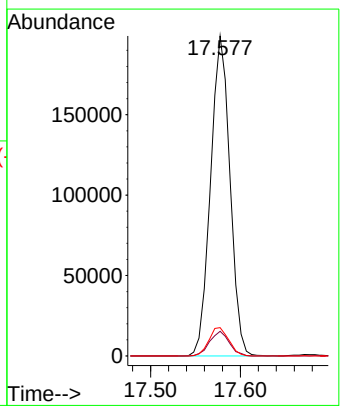
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

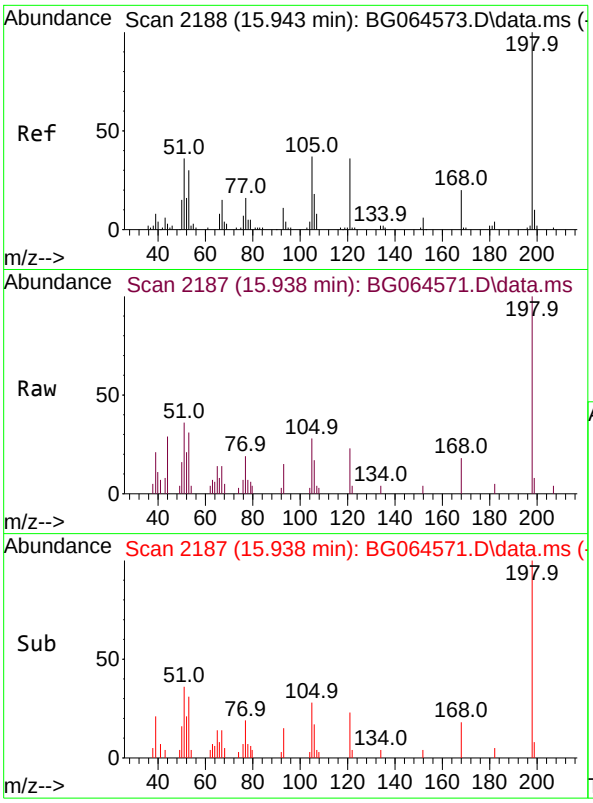


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

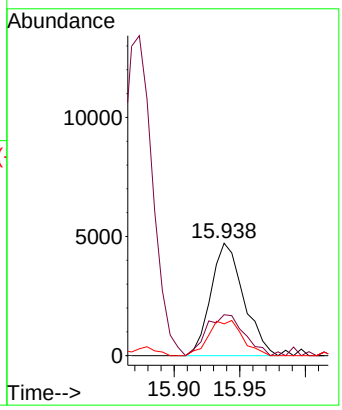




#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:198 Resp: 819

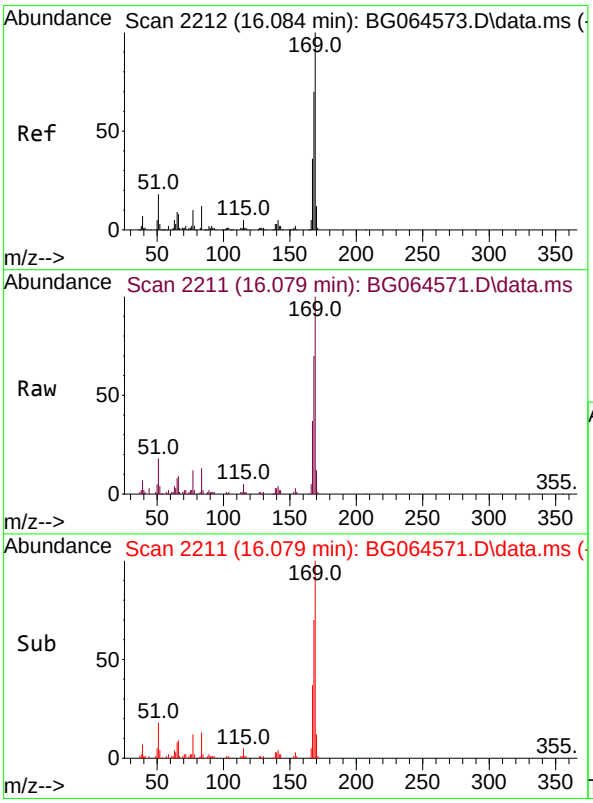
Ion	Ratio	Lower	Upper
198	100		
51	36.4	24.7	64.7
105	28.3	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

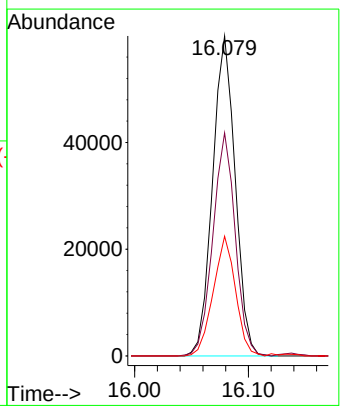
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

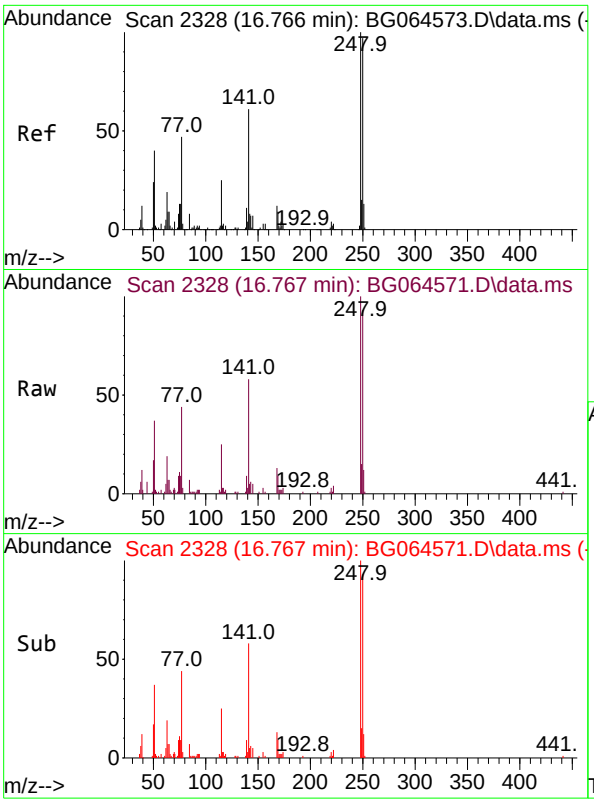


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

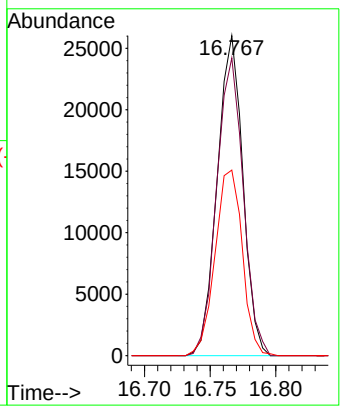




#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:248 Resp: 3543

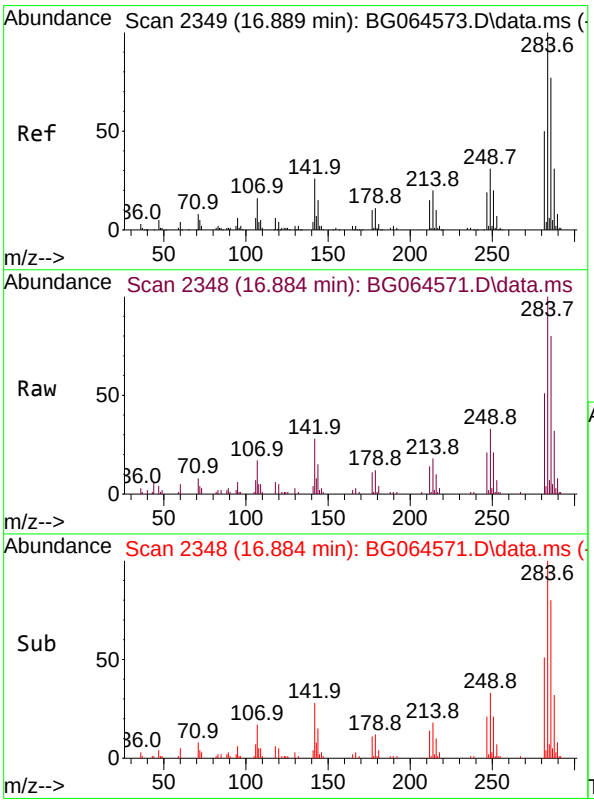
Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

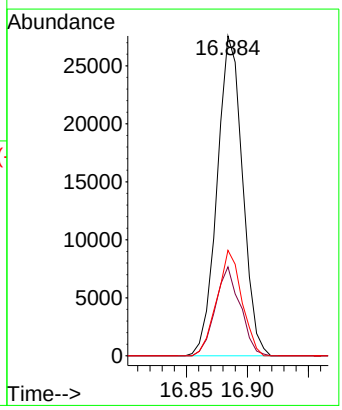
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

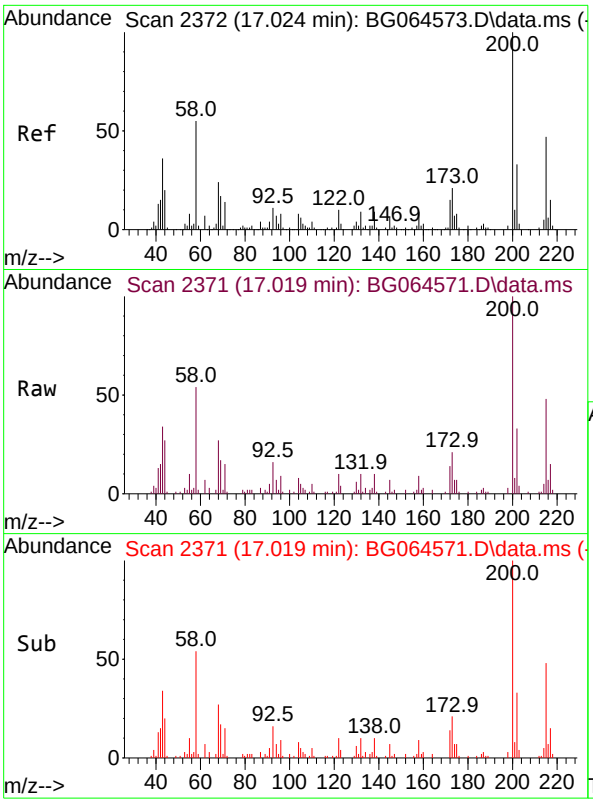


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

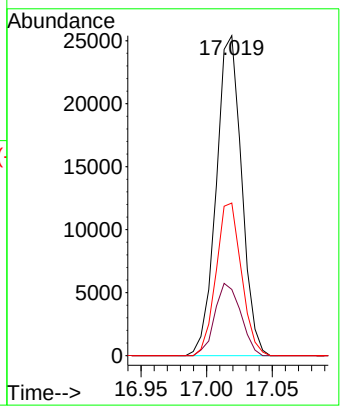




#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:200 Resp: 3418

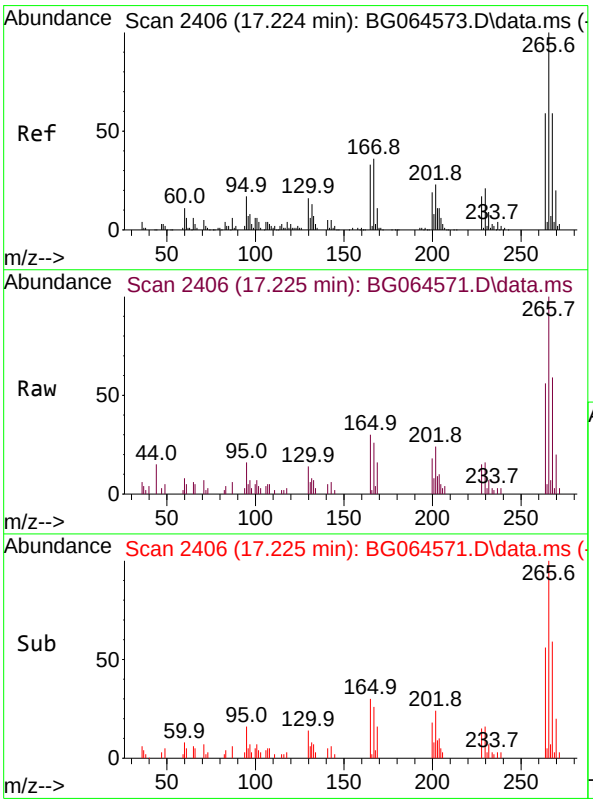
Ion	Ratio	Lower	Upper
200	100		
173	20.7	0.9	40.9
215	47.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

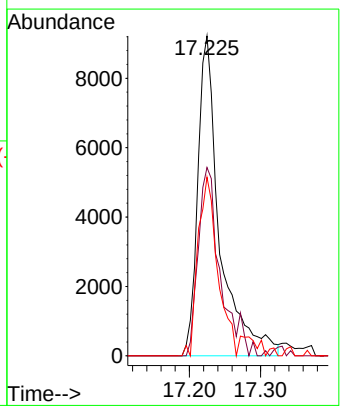
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

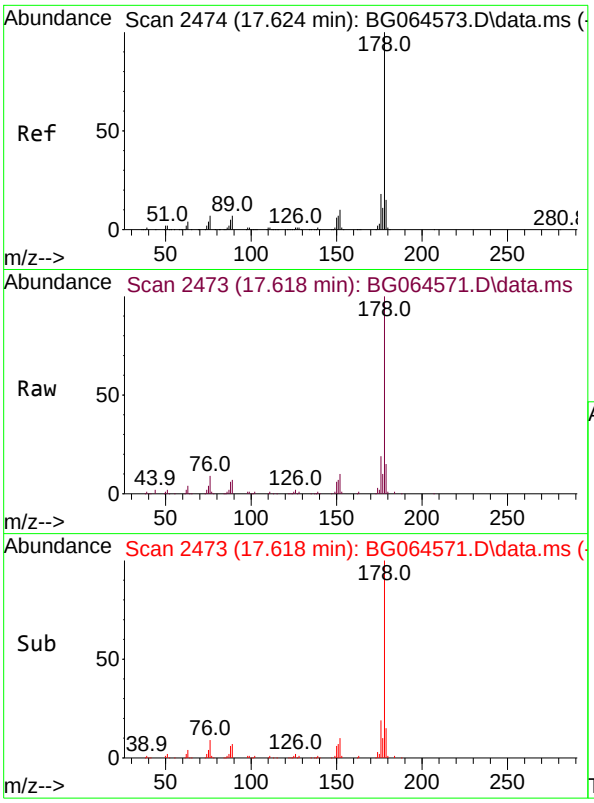


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

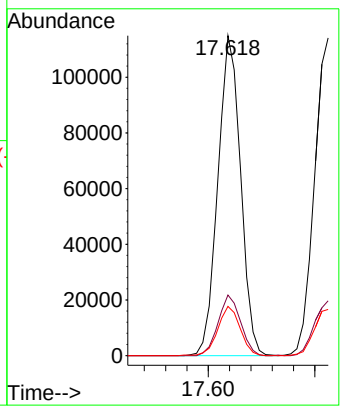




#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 170294

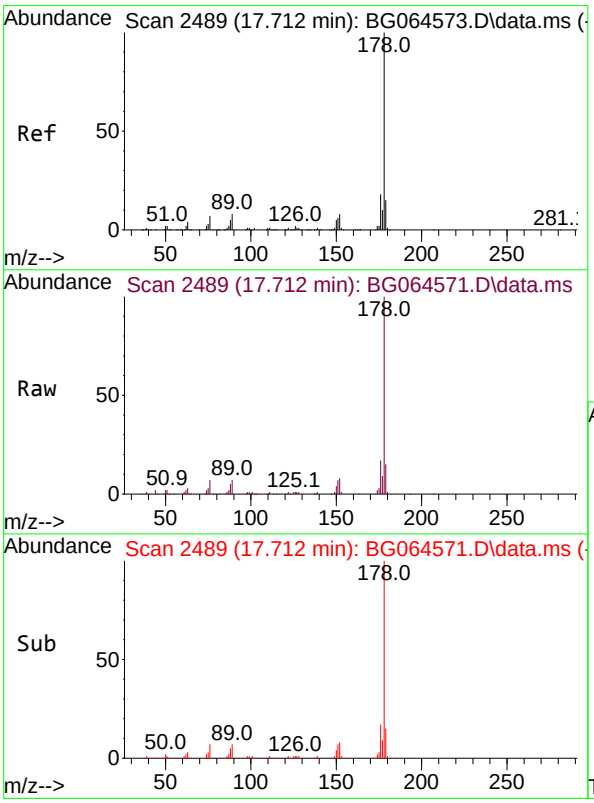
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

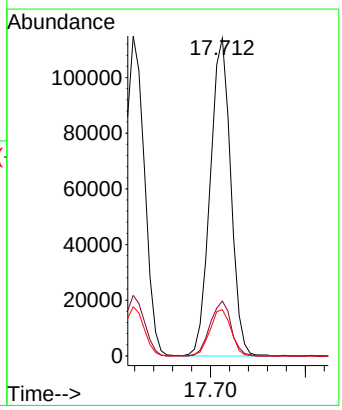
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

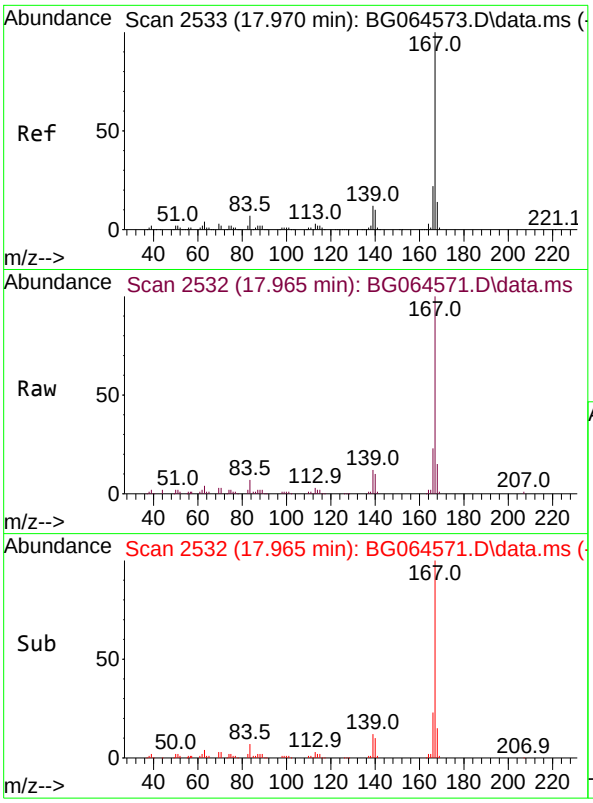


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

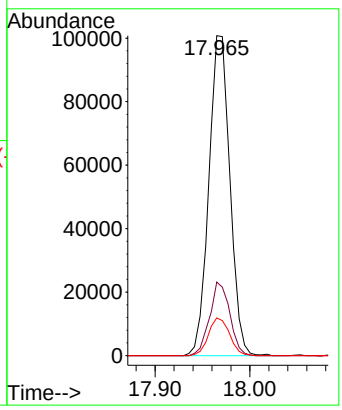




#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:167 Resp: 15590

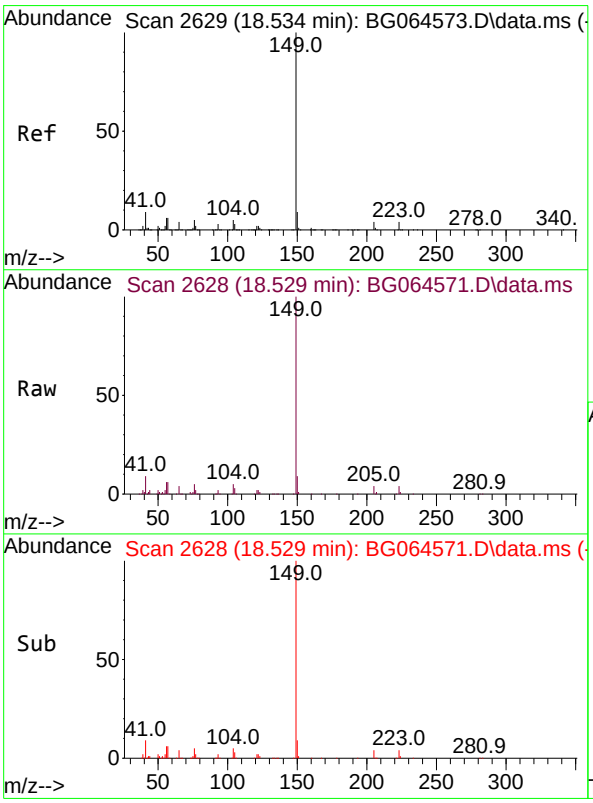
Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	11.8	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

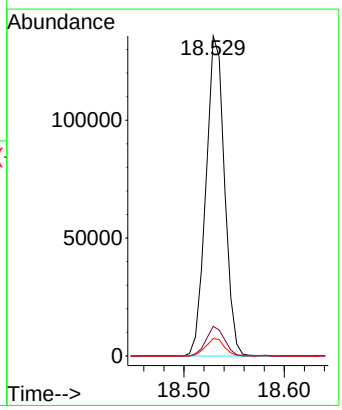
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

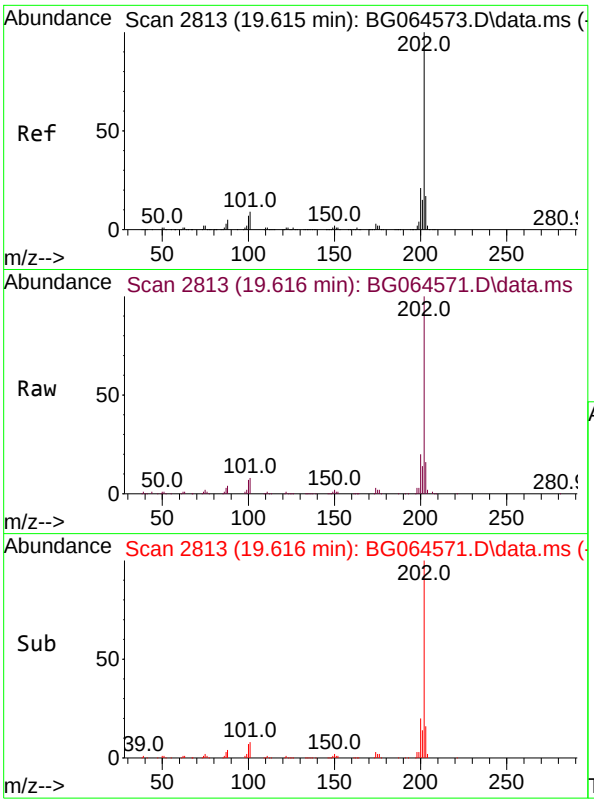


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

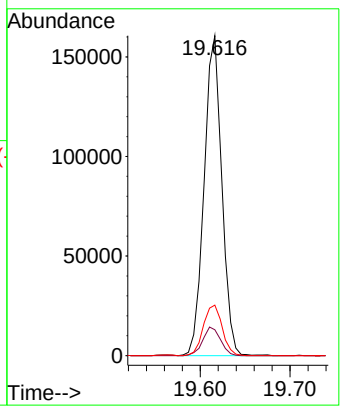




#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 219838

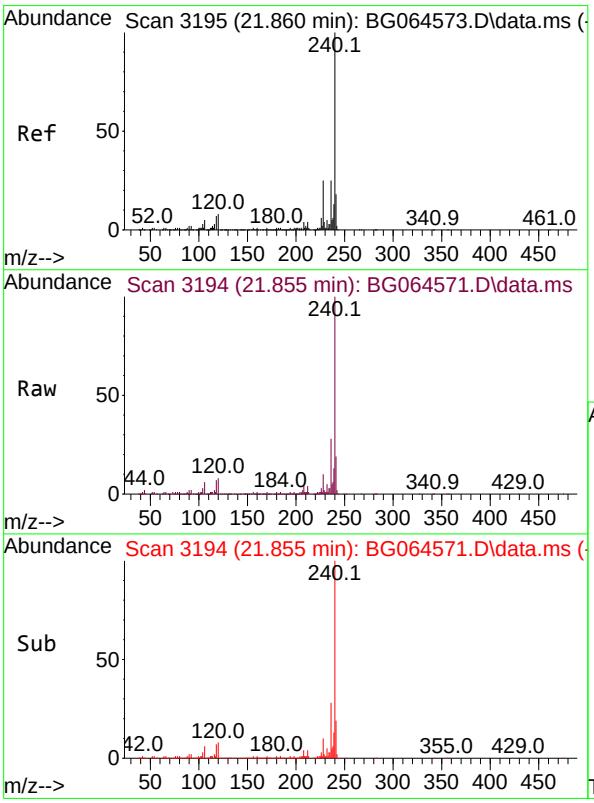
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	15.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

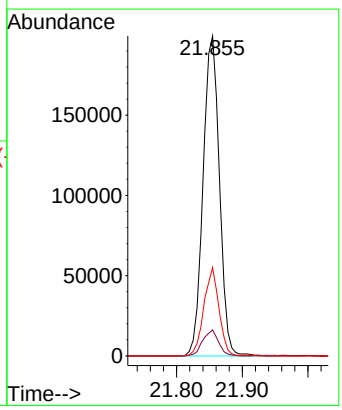
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

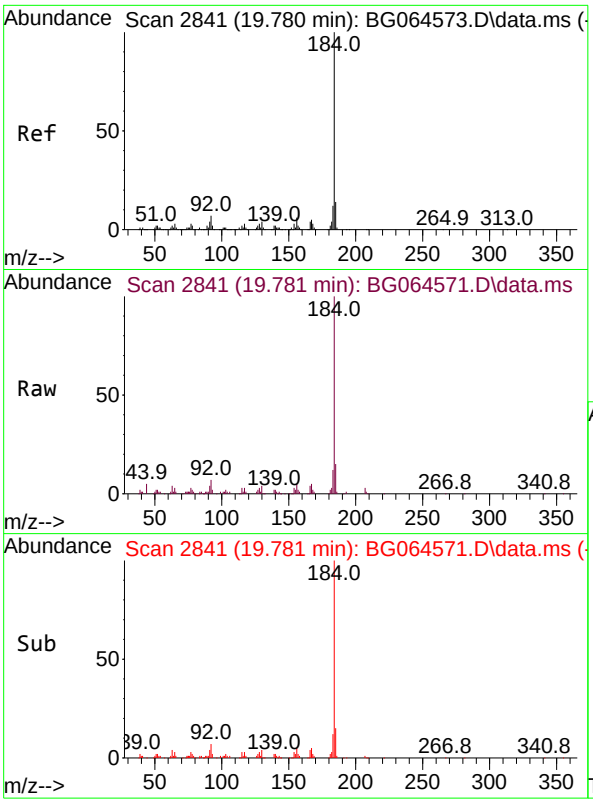


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

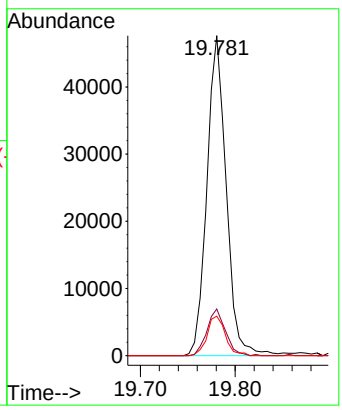




#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 6742

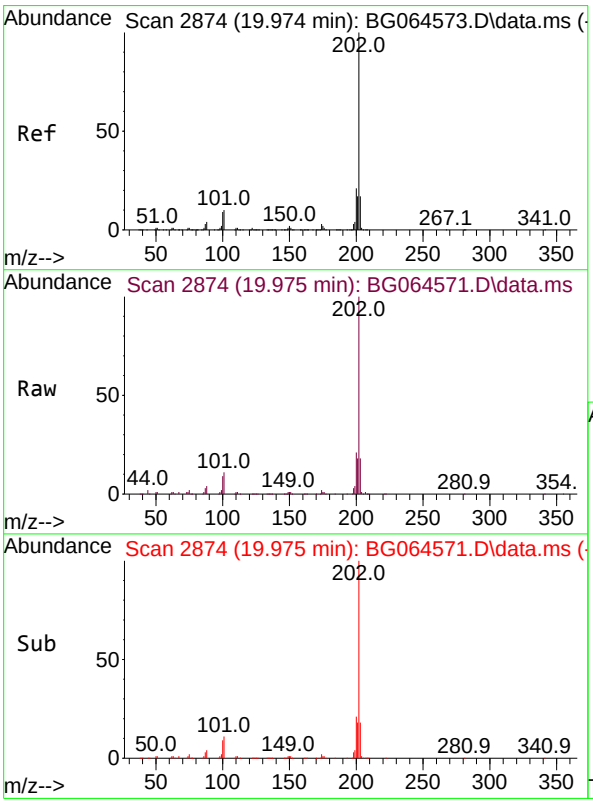
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	12.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

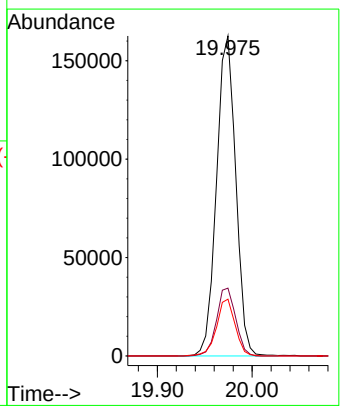
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

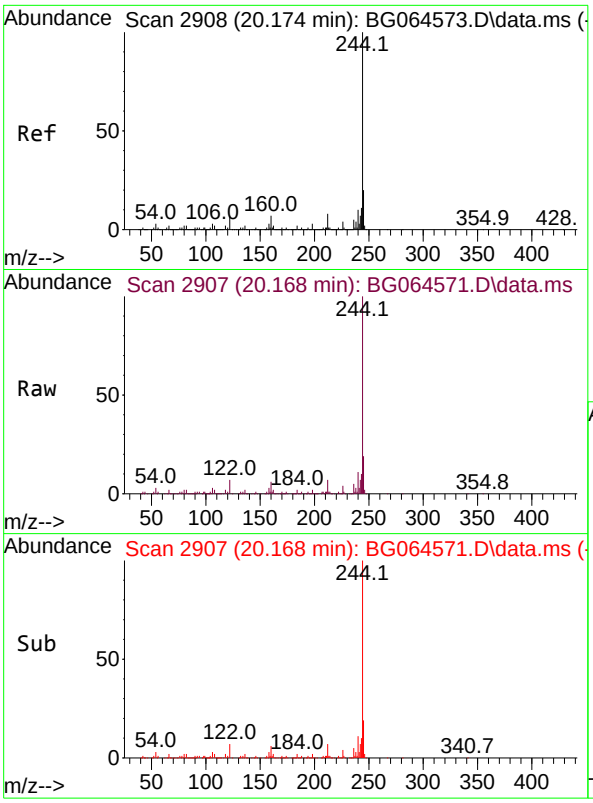


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

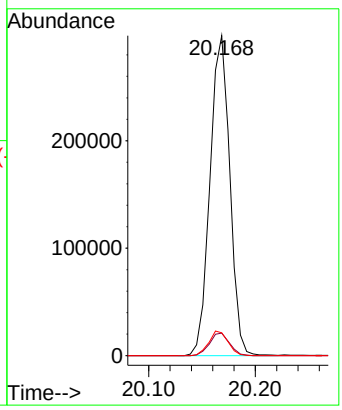




#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:244 Resp: 385094

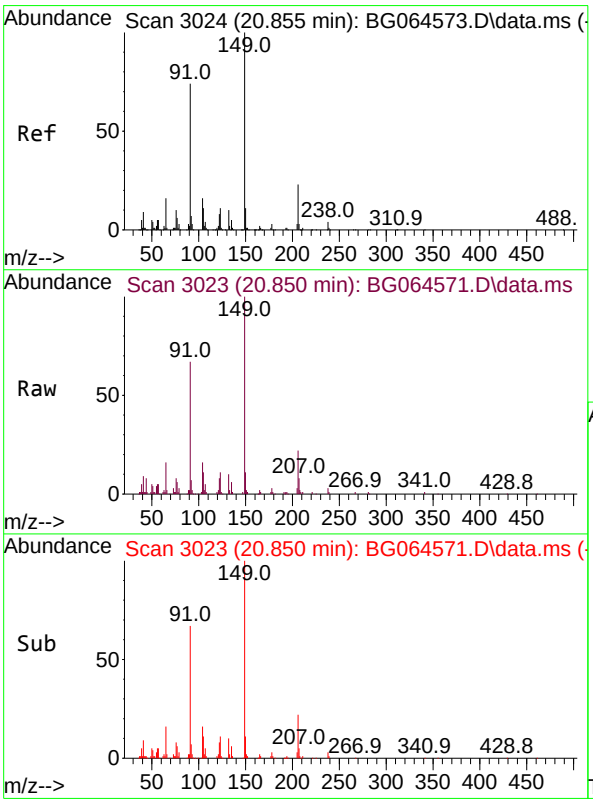
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	7.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

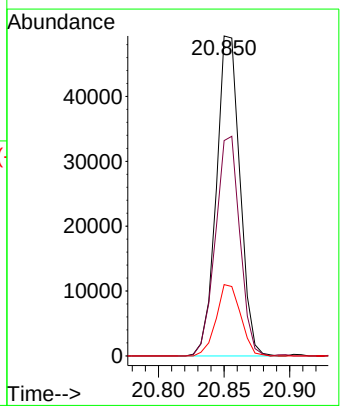
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

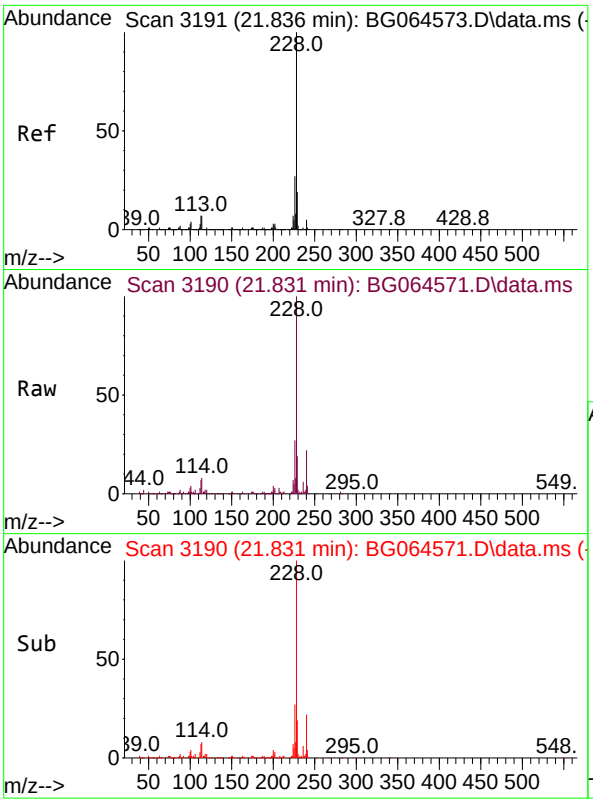


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

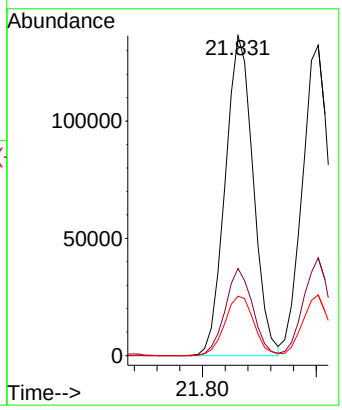




#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 233051

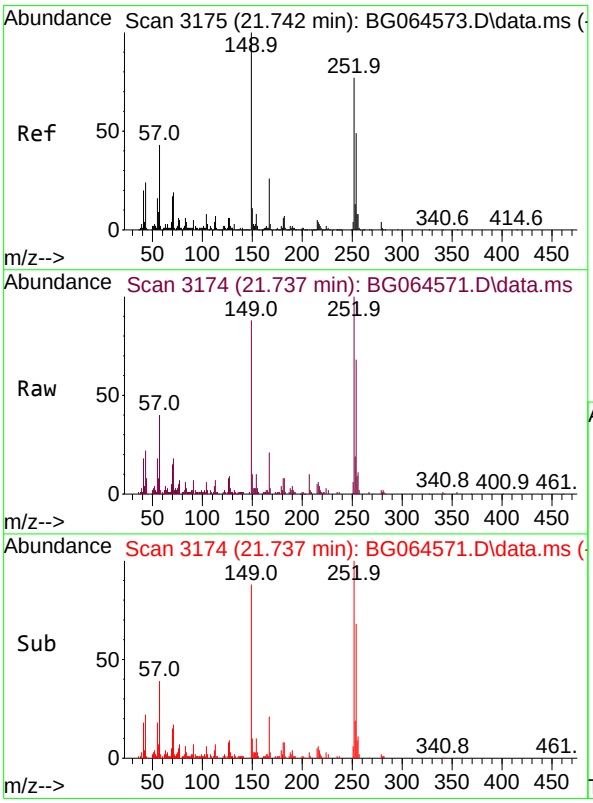
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	18.6	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

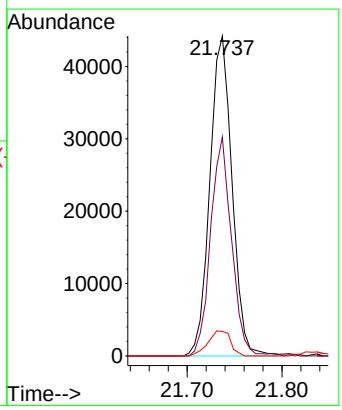
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

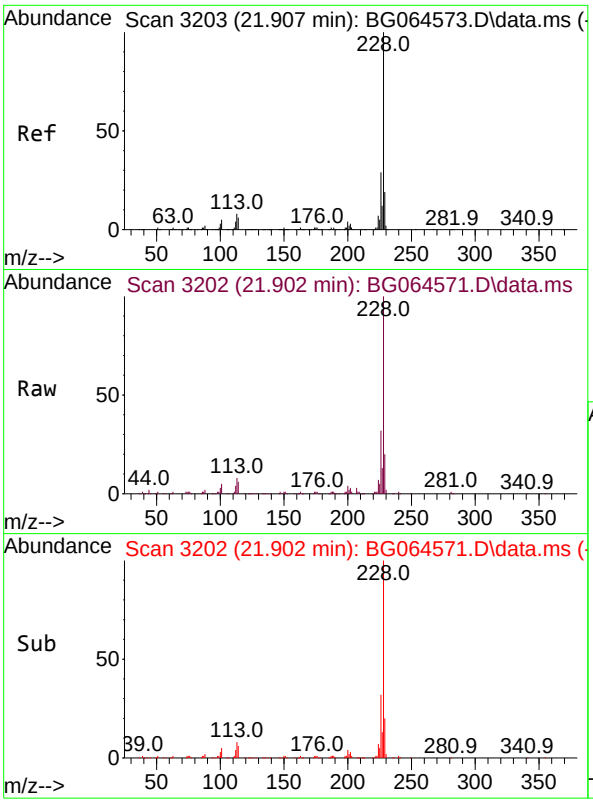


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

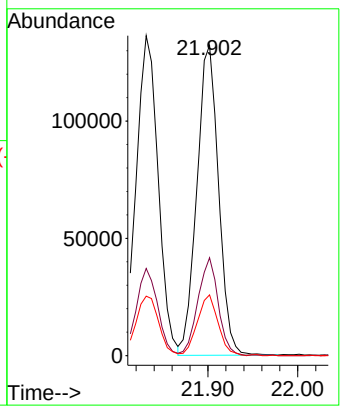




#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 22201

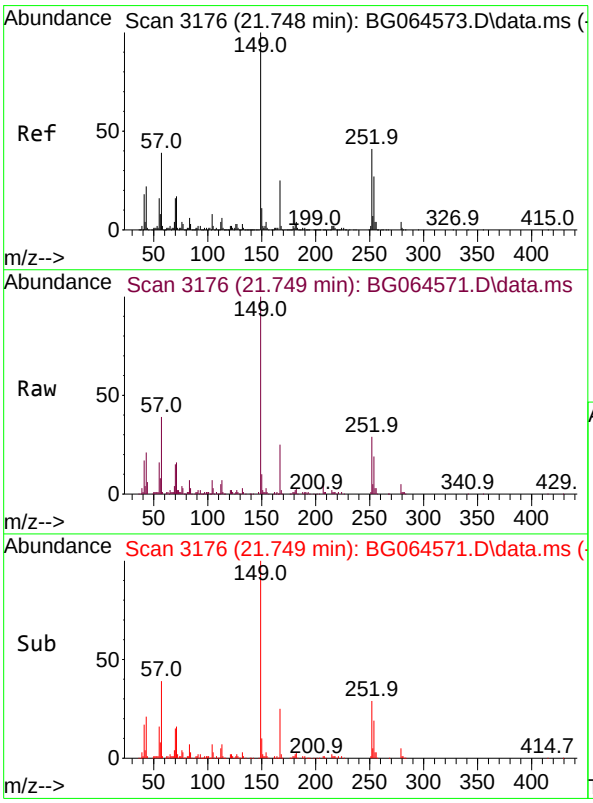
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.3	34.9
229	19.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

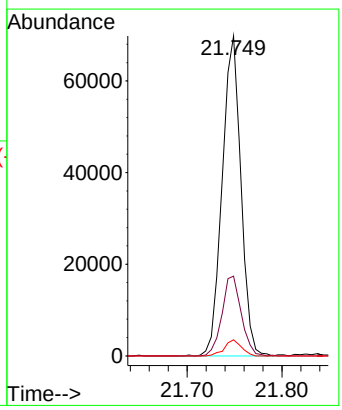
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

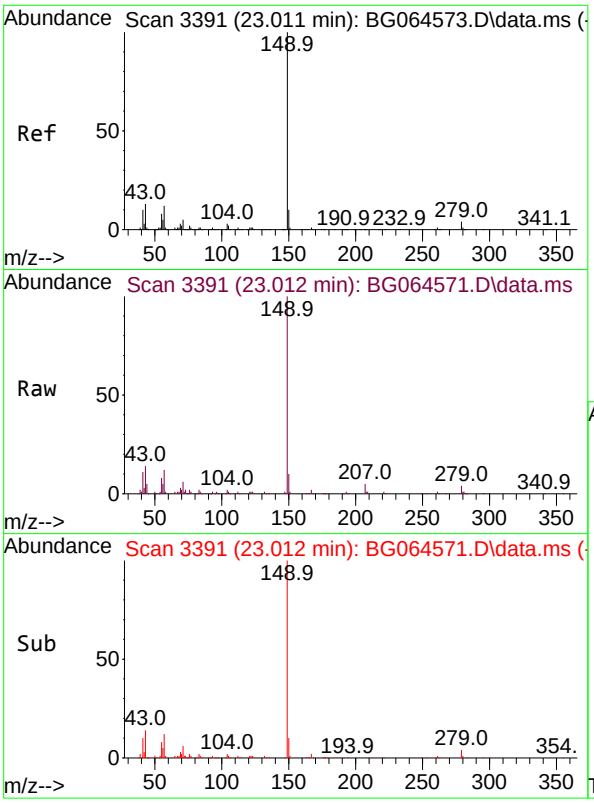


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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#

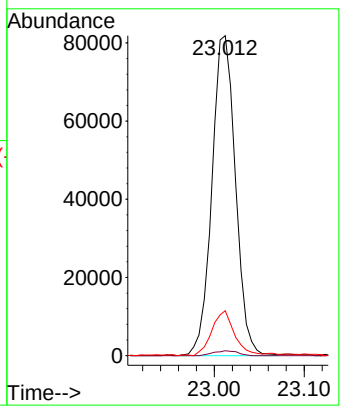




#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 14987

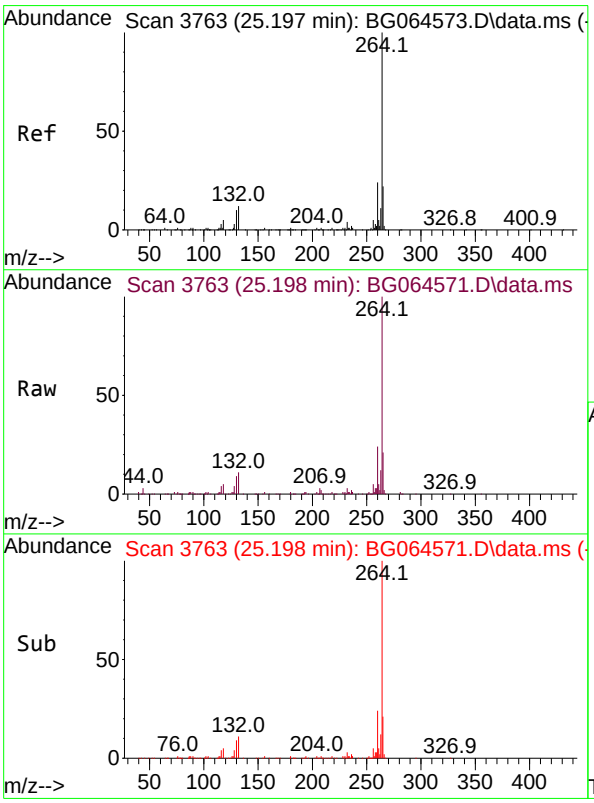
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

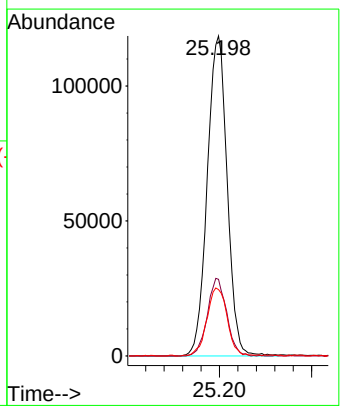
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

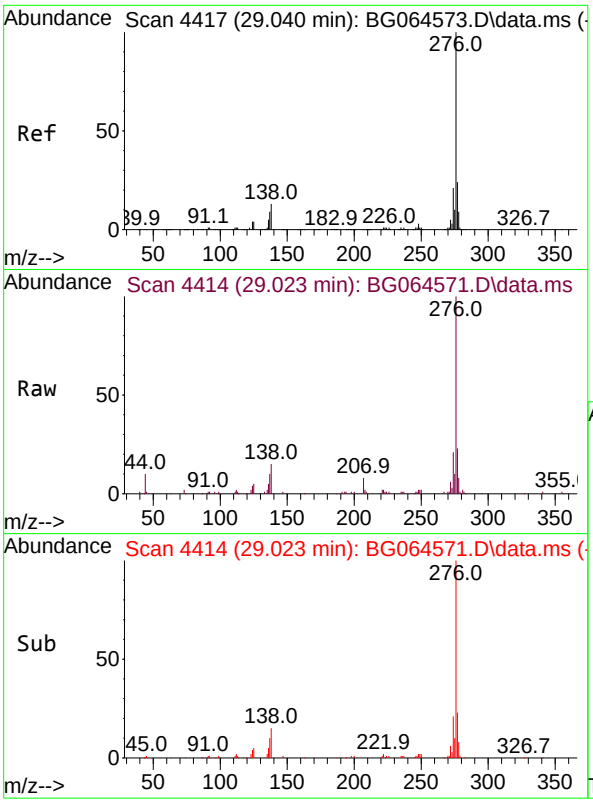


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

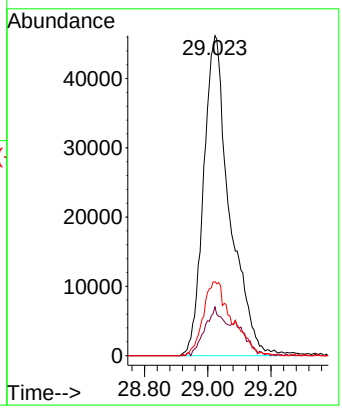




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 44
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 26454

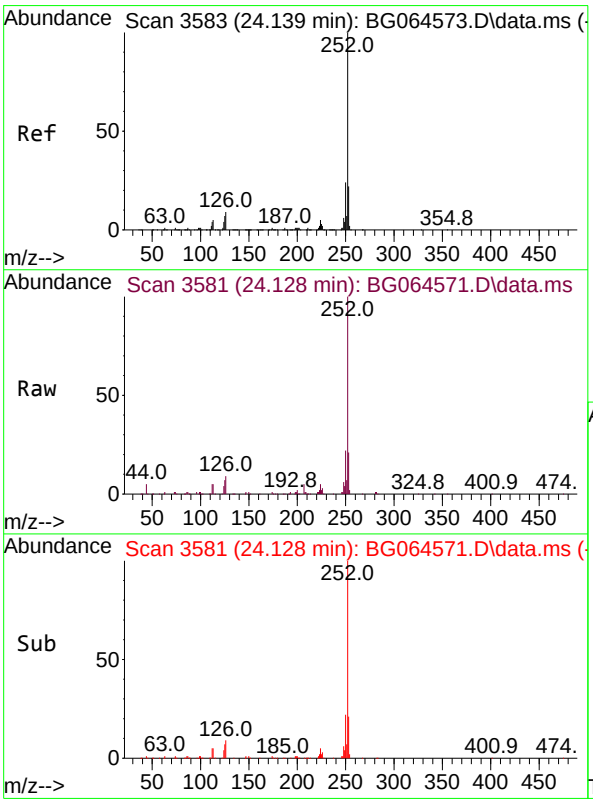
Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

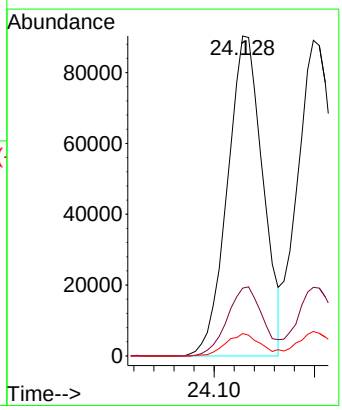
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

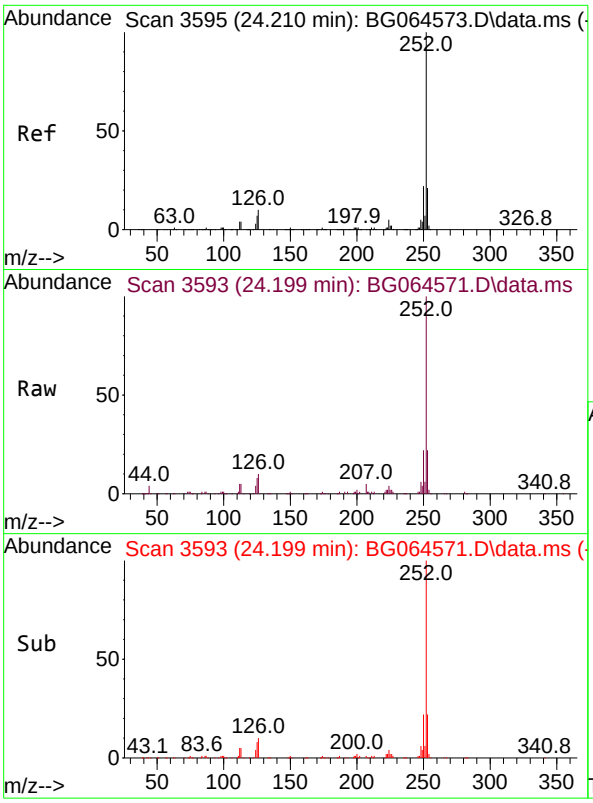


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

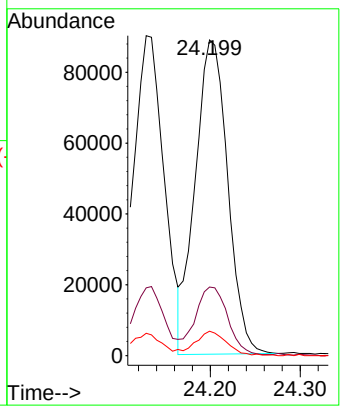




#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

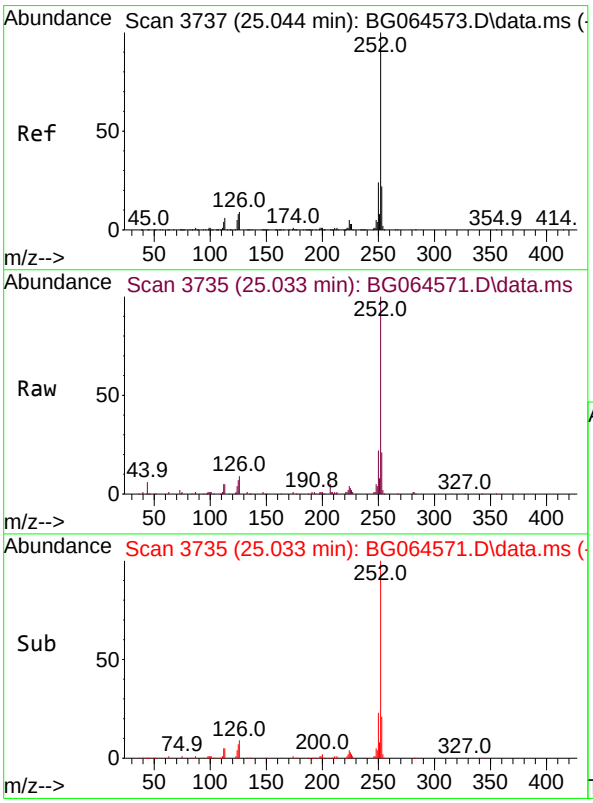
Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

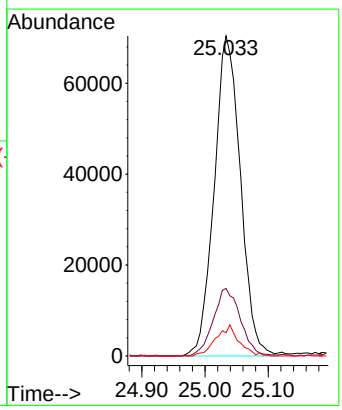
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

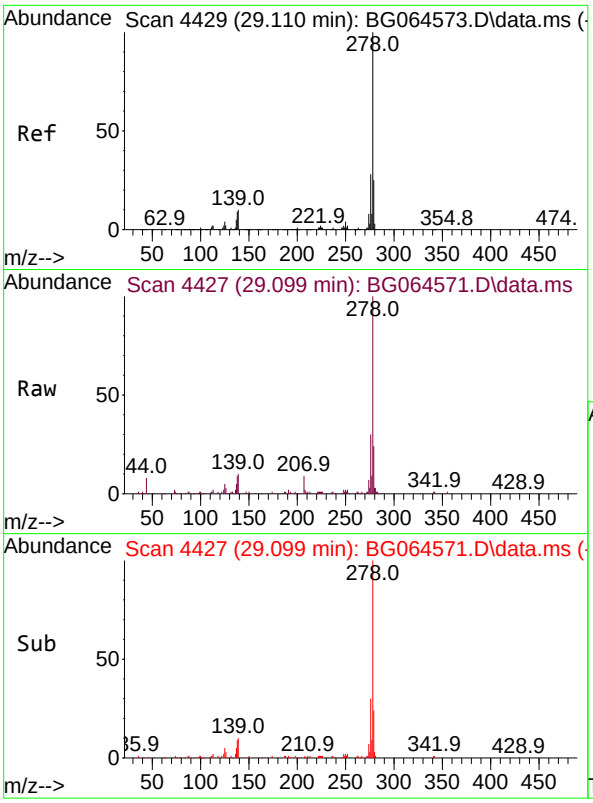


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

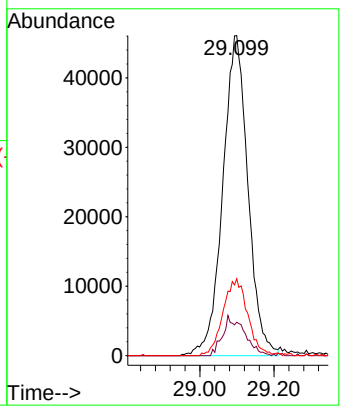




#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:278 Resp: 21711

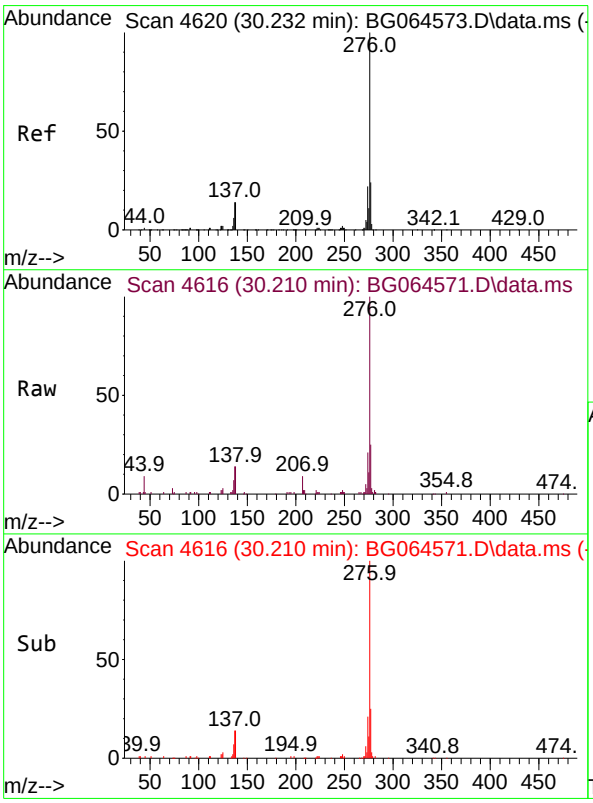
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

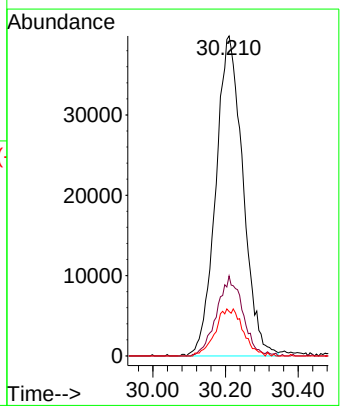
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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

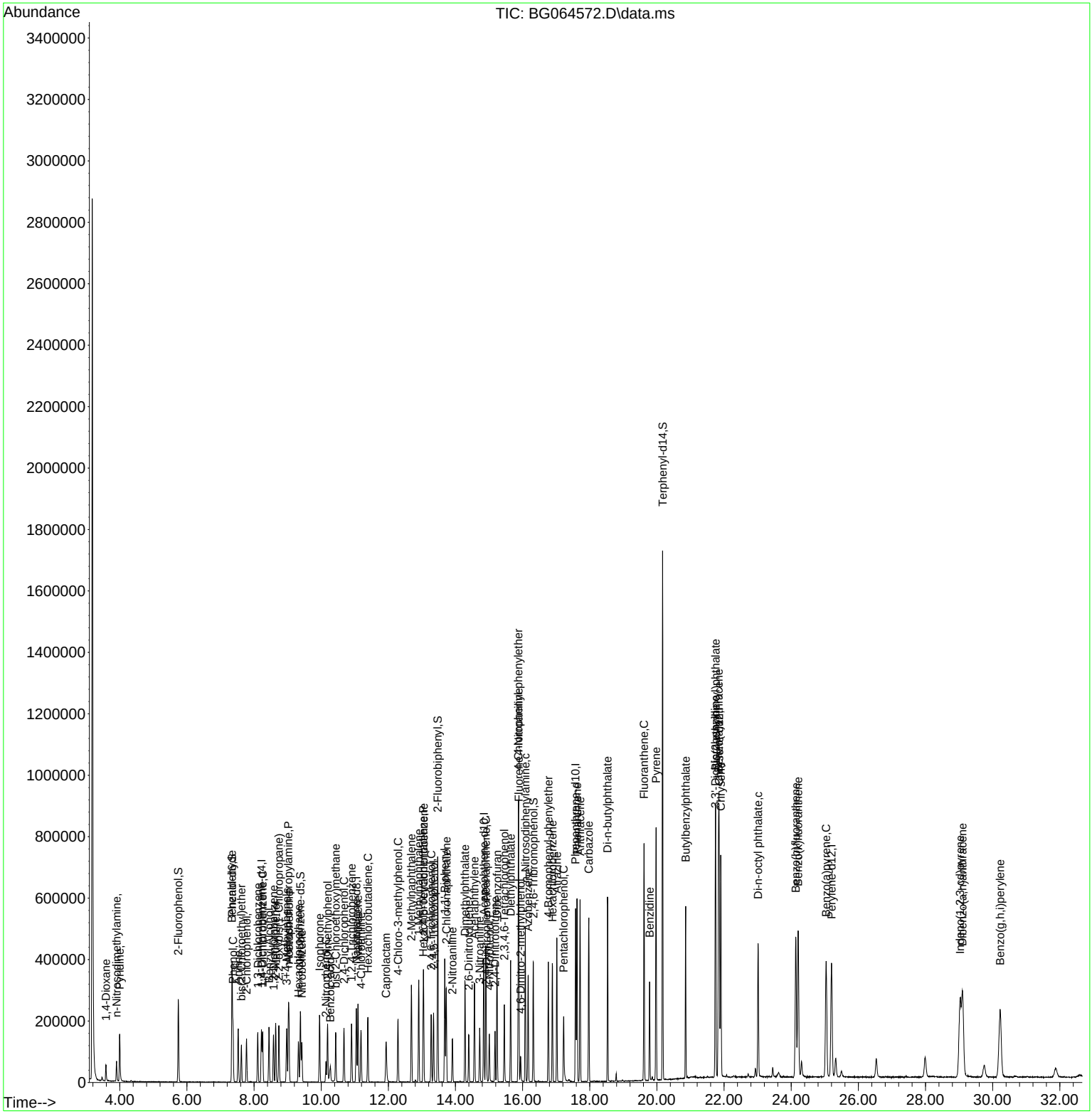
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

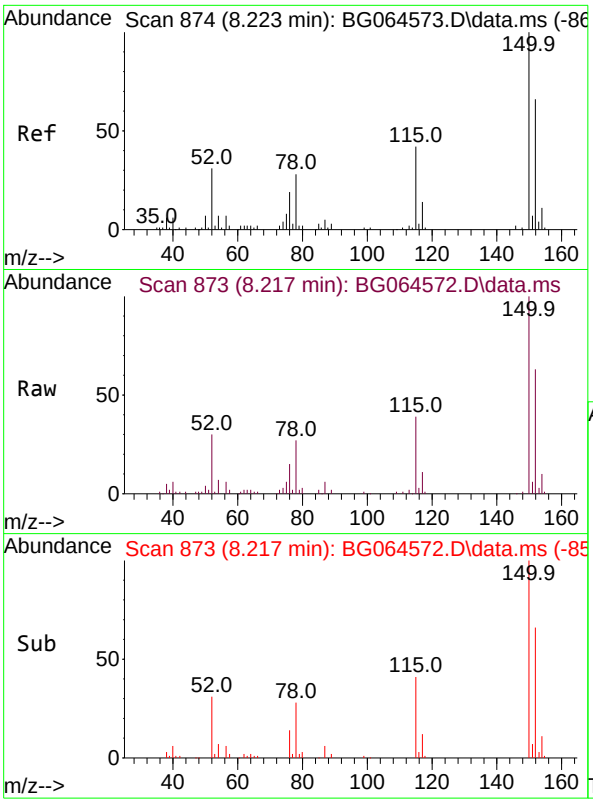
Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

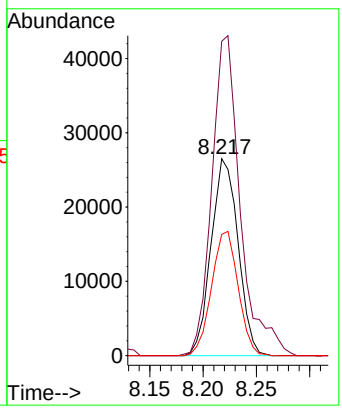




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 4681

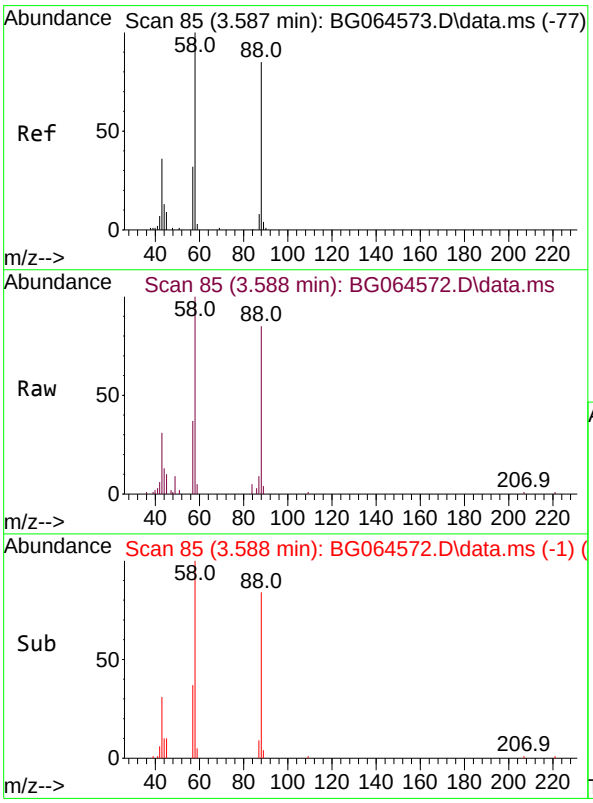
Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

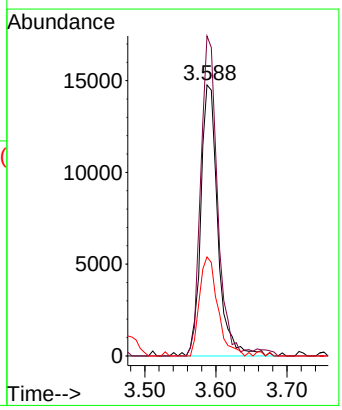
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

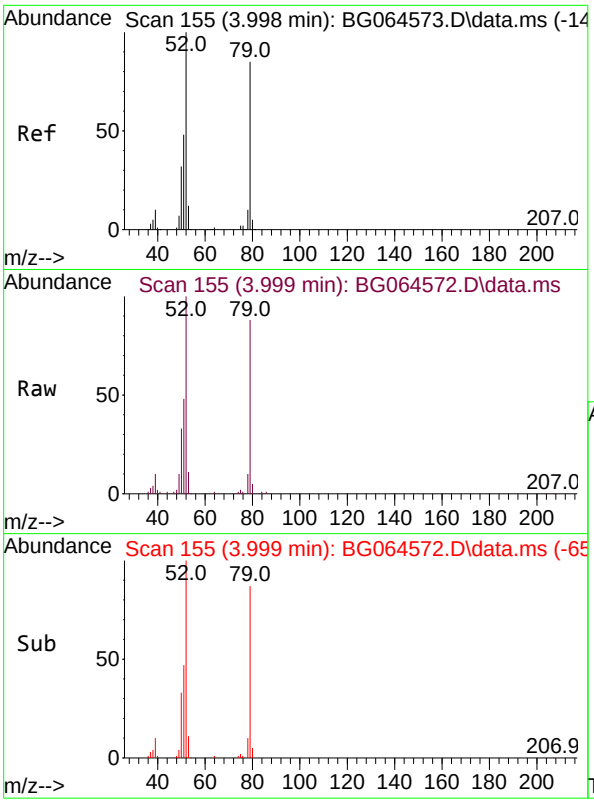


#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

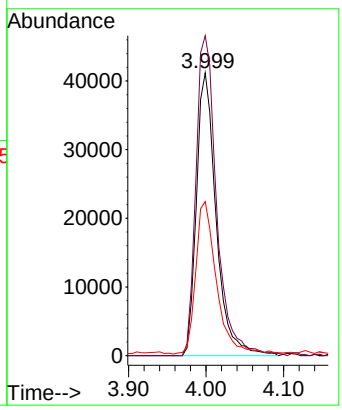




#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 7266

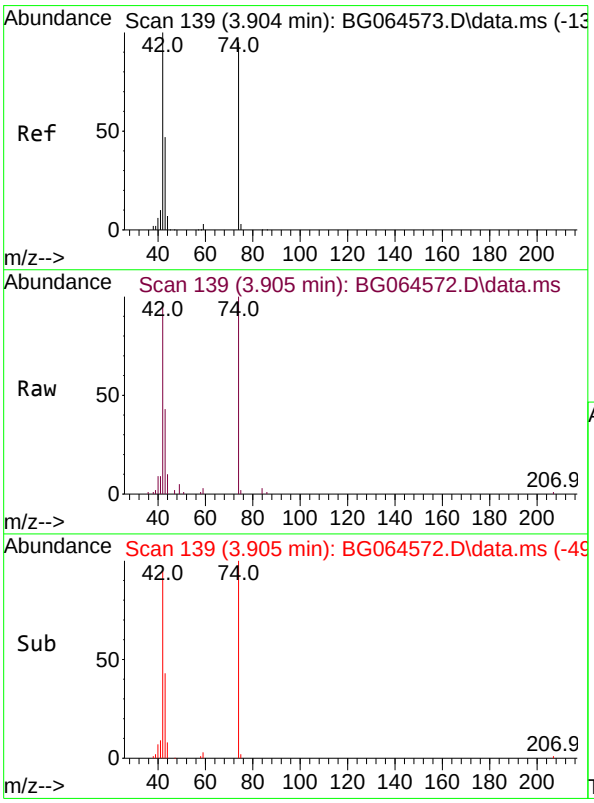
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

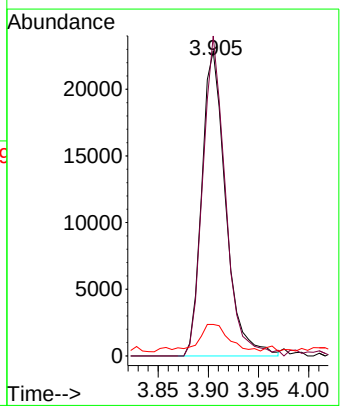
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

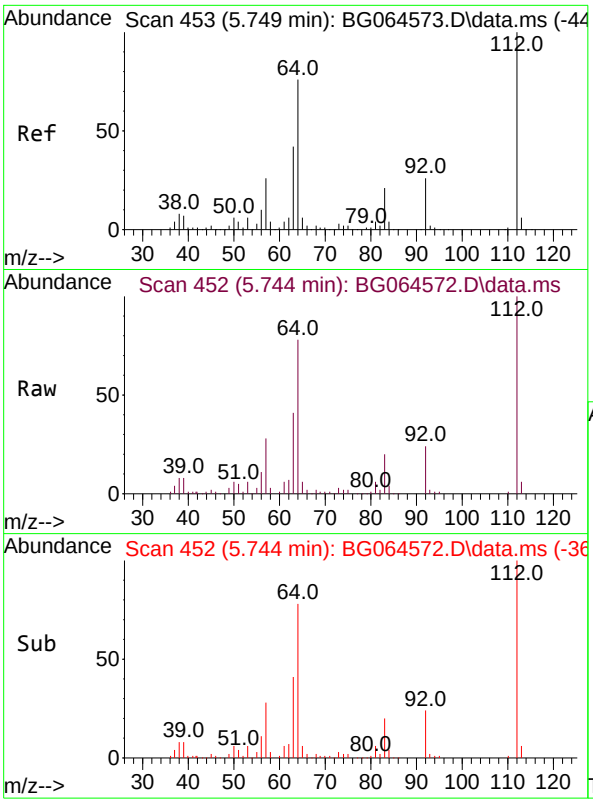


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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#

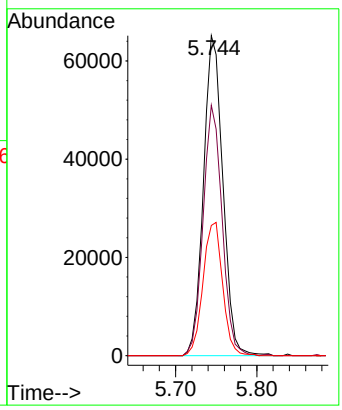




#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:112 Resp: 10812

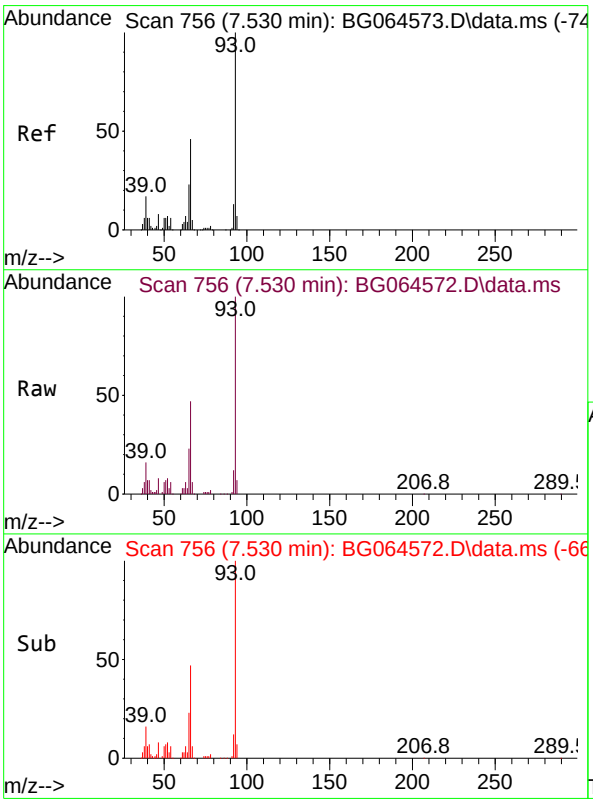
Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	40.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

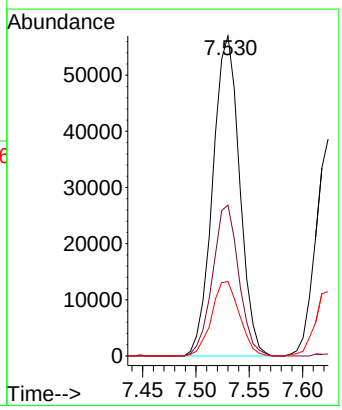
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

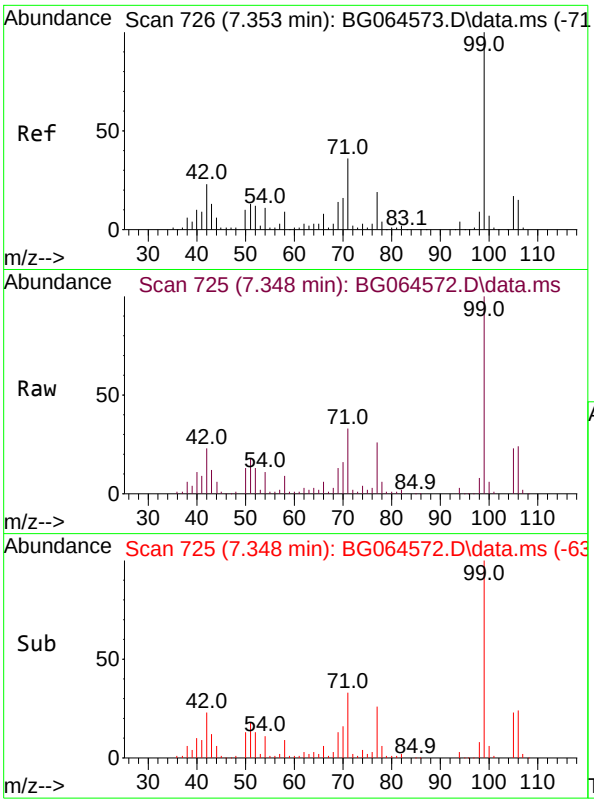


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

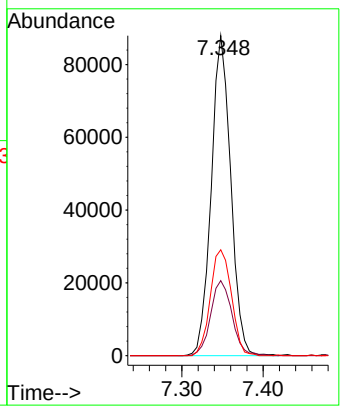




#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 99 Resp: 14660

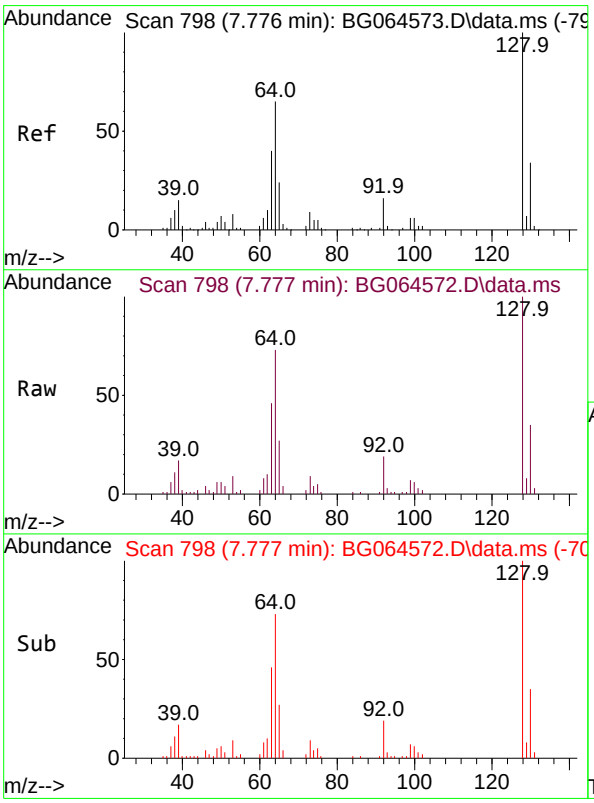
Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	33.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

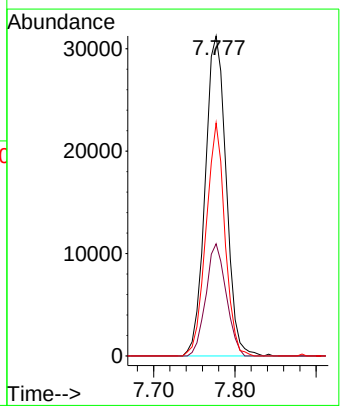
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

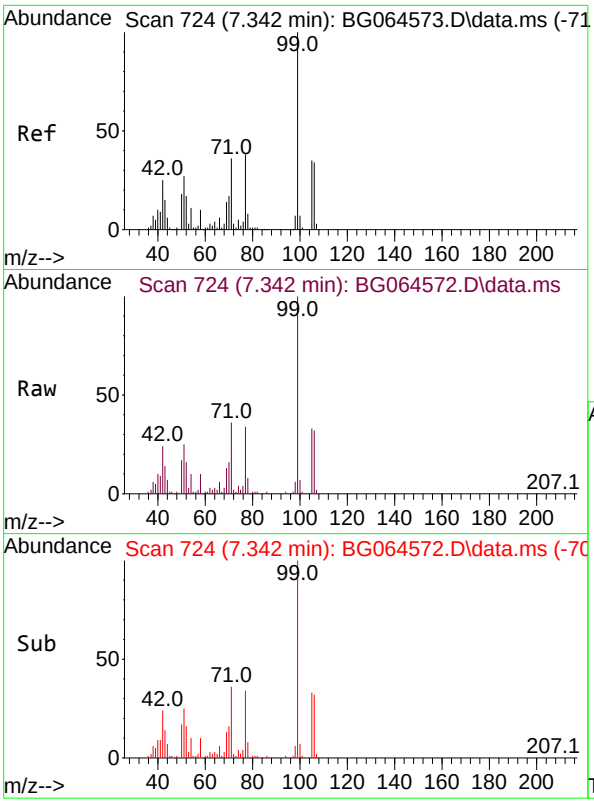


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

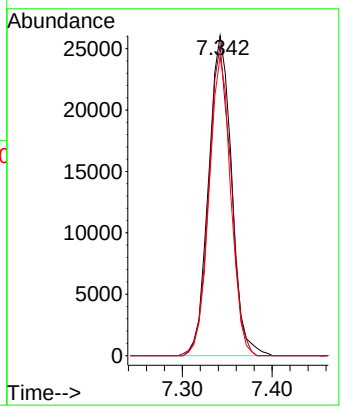




#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 4654

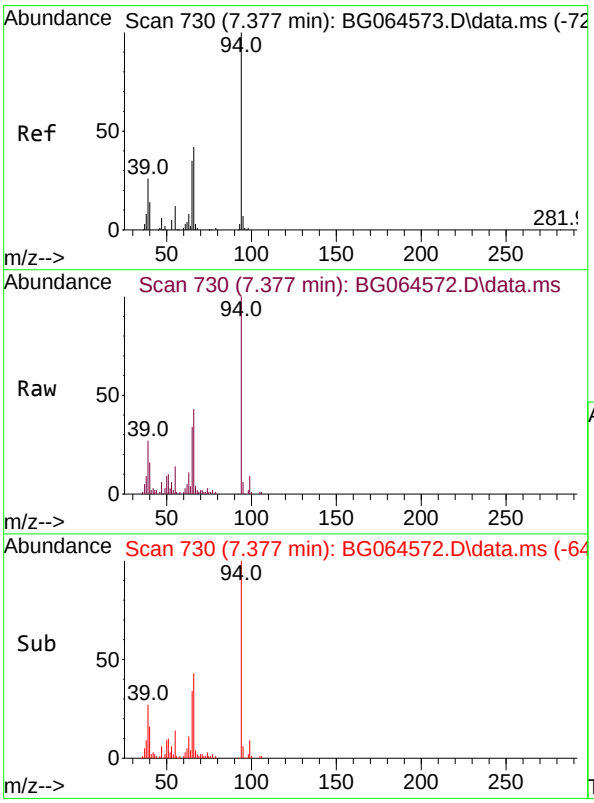
Ion	Ratio	Lower	Upper
77	100		
105	96.8	72.9	112.9
106	93.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

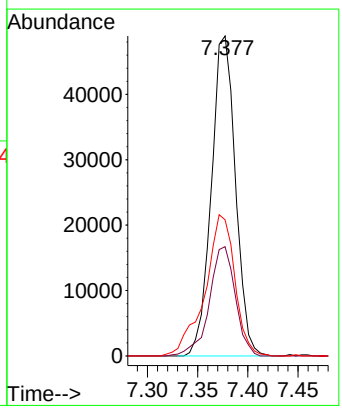
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

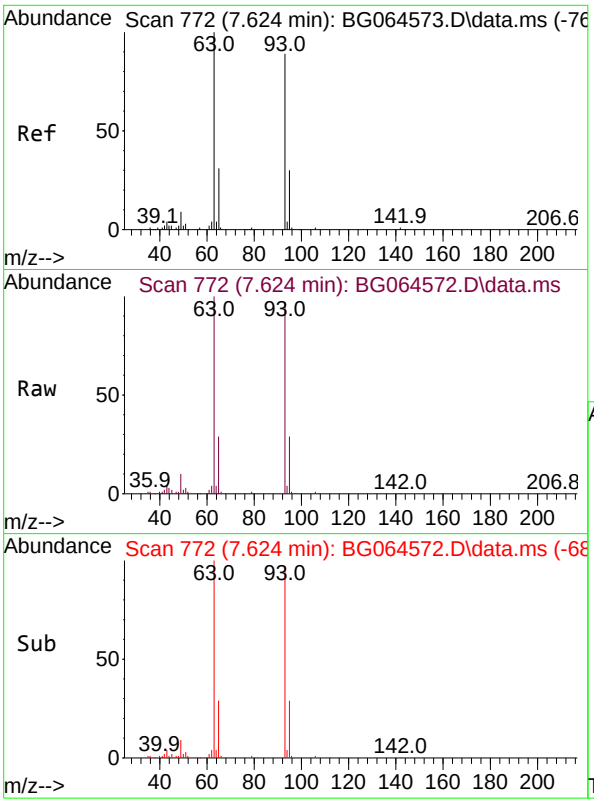


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

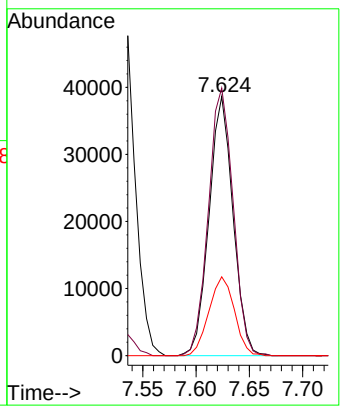




#11
bis(2-Chloroethyl)ether
Concen: 19.439 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 6049

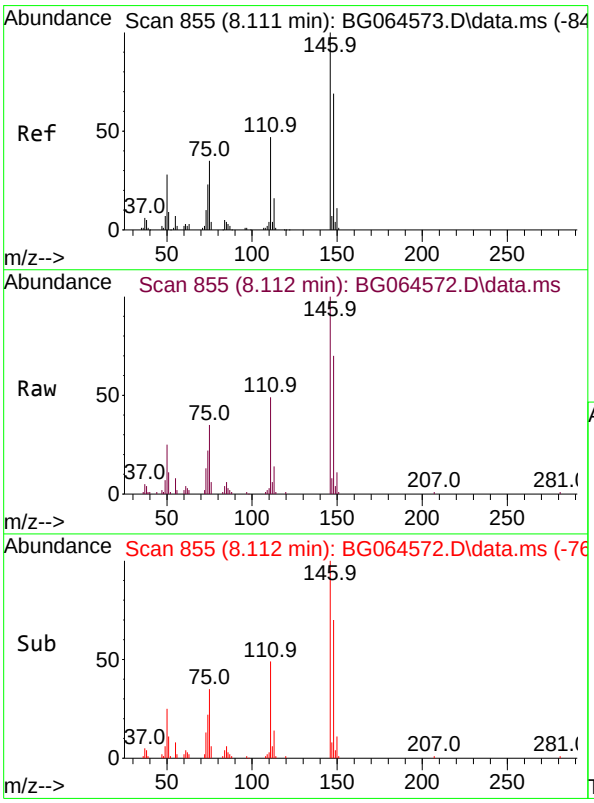
Ion	Ratio	Lower	Upper
93	100		
63	103.3	91.3	131.3
95	30.4	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

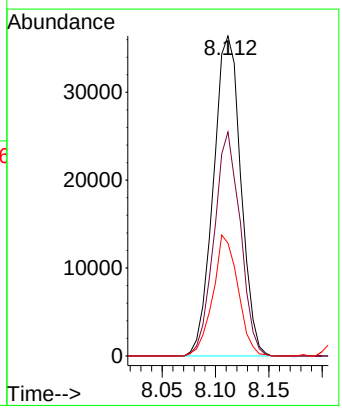
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

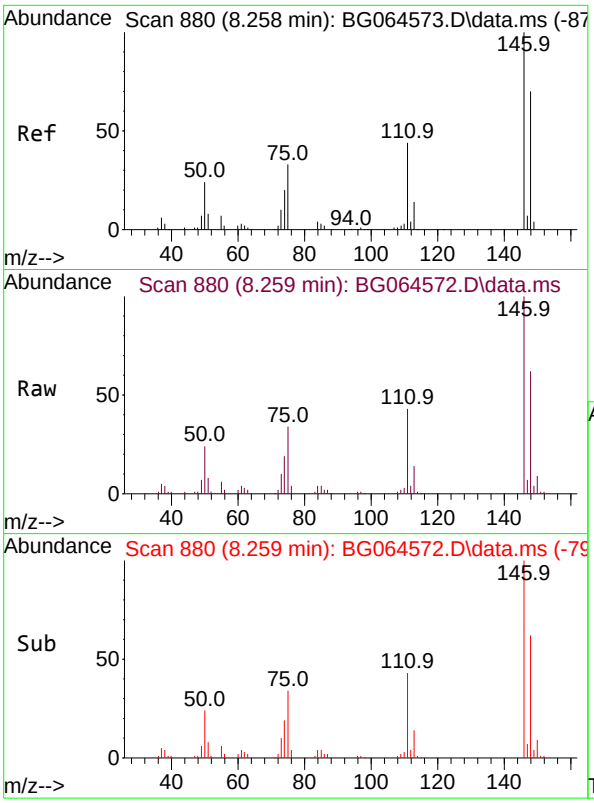


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

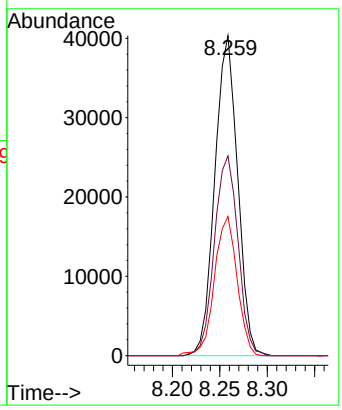




#13
1,4-Dichlorobenzene
Concen: 19.757 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 6750

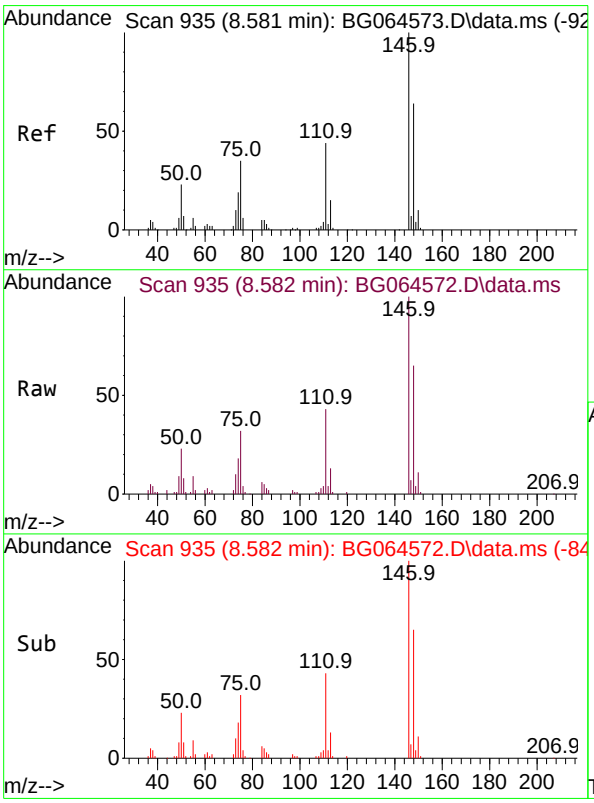
Ion	Ratio	Lower	Upper
146	100		
148	62.4	56.2	84.4
111	43.5	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

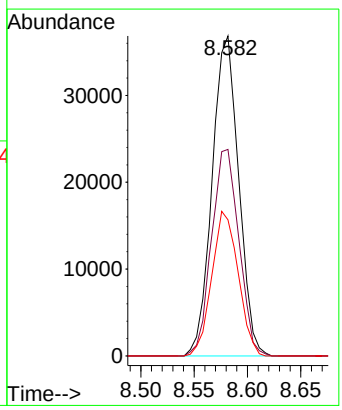
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

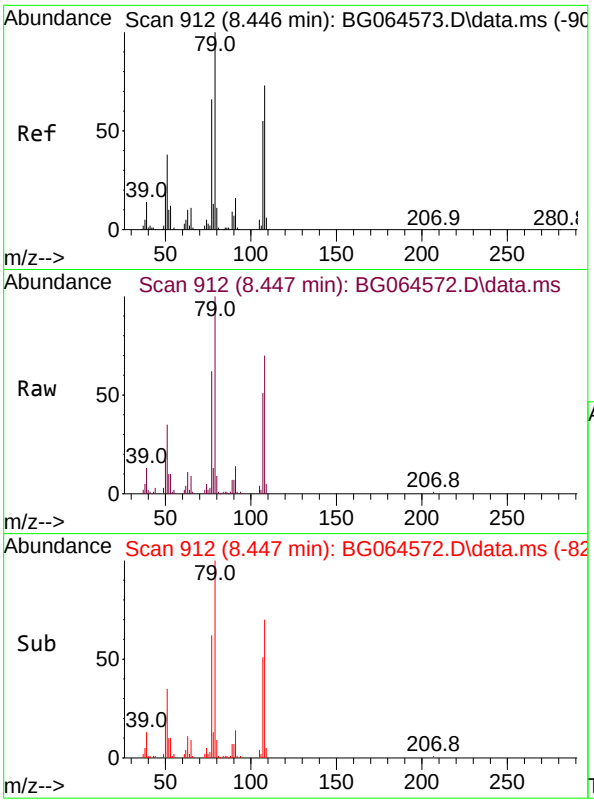


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

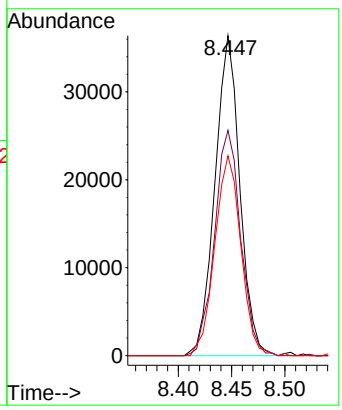




#15
Benzyl Alcohol
Concen: 18.732 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 5912

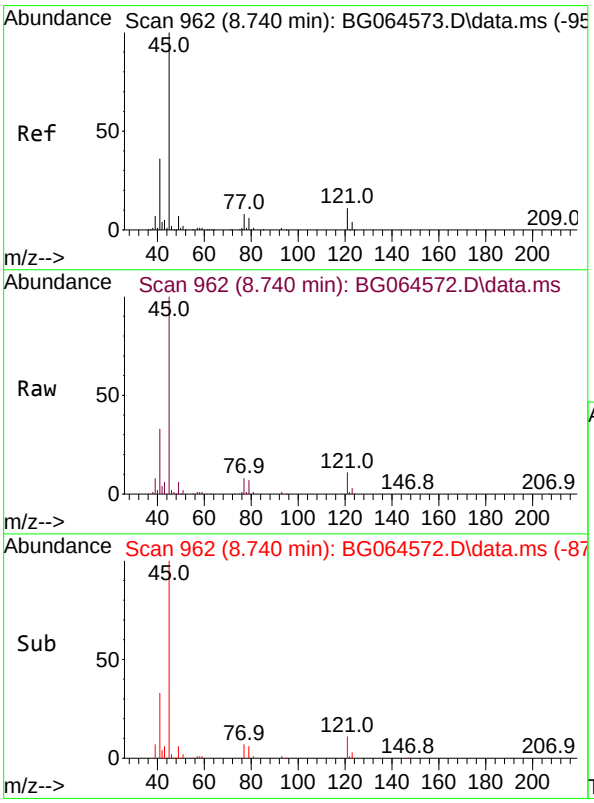
Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

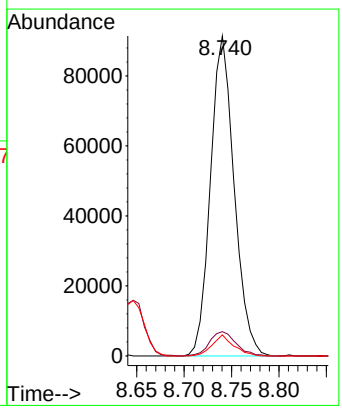
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

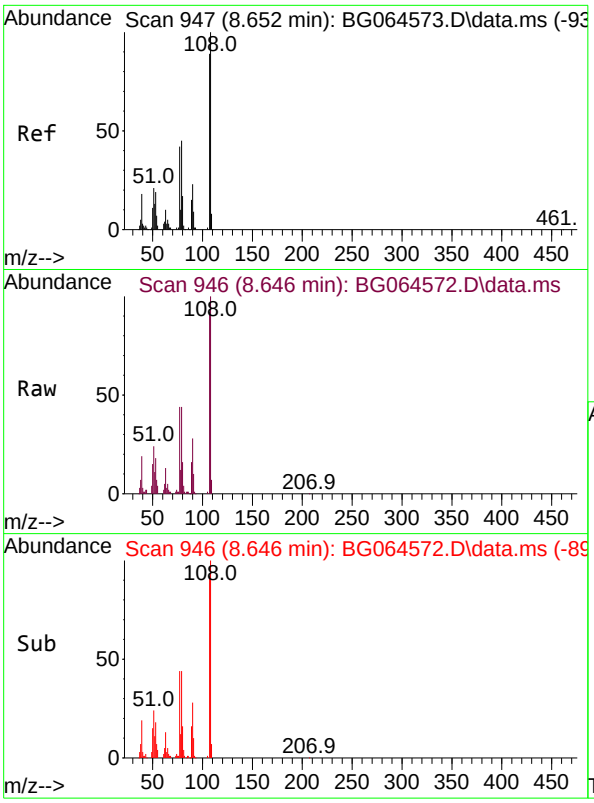


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

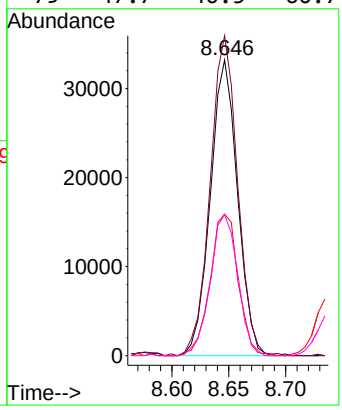




#17
2-Methylphenol
Concen: 19.632 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 5517

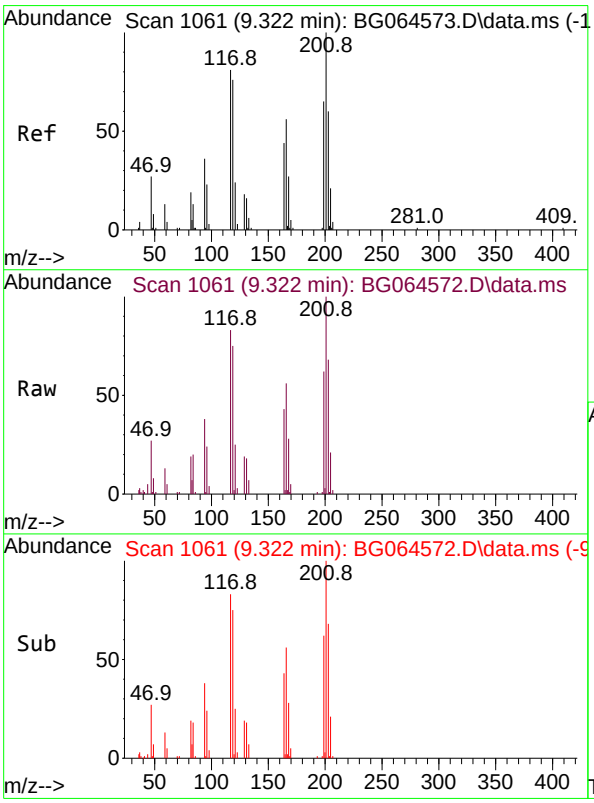
Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.0	135.0
77	47.9	37.8	56.8
79	47.7	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

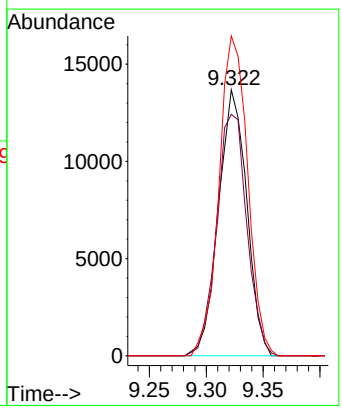
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

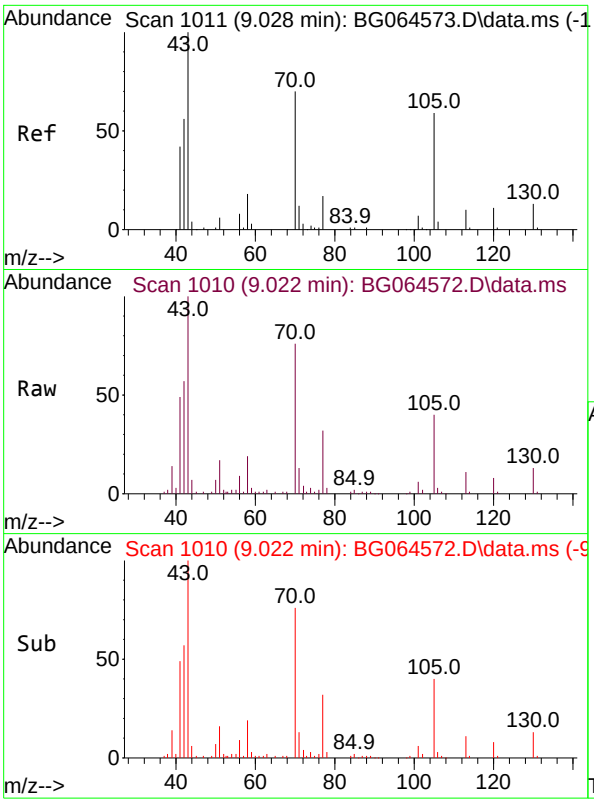


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

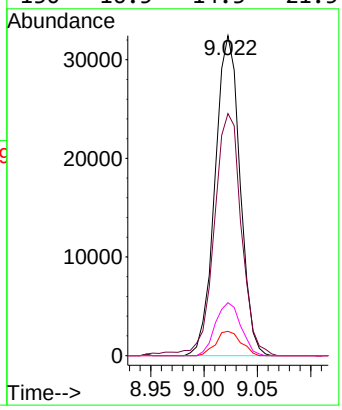




#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 70 Resp: 5285

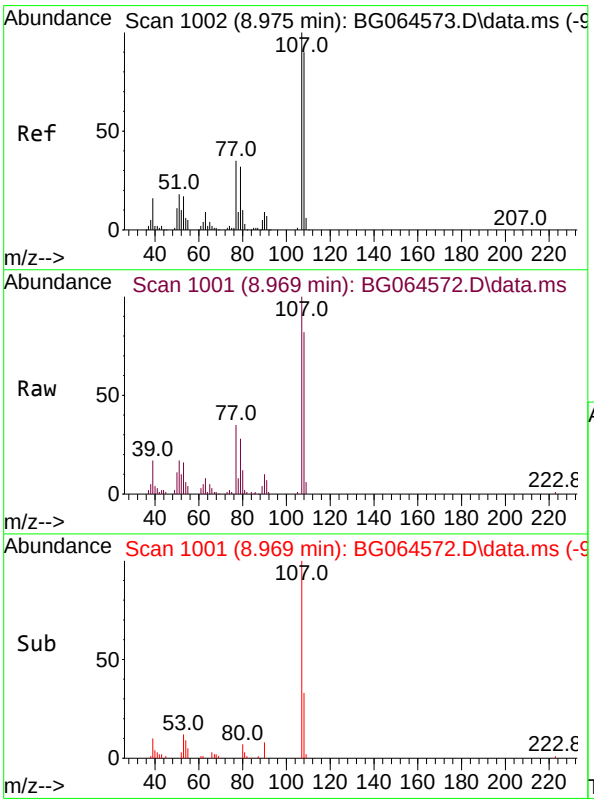
Ion	Ratio	Lower	Upper
70	100		
42	75.6	65.2	97.8
101	7.6	7.9	11.9#
130	16.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

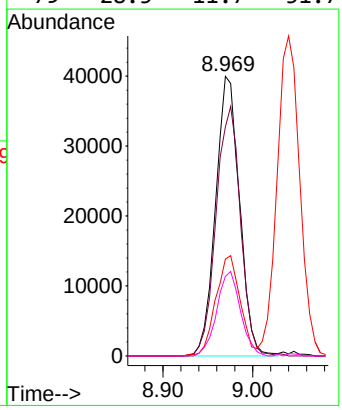
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

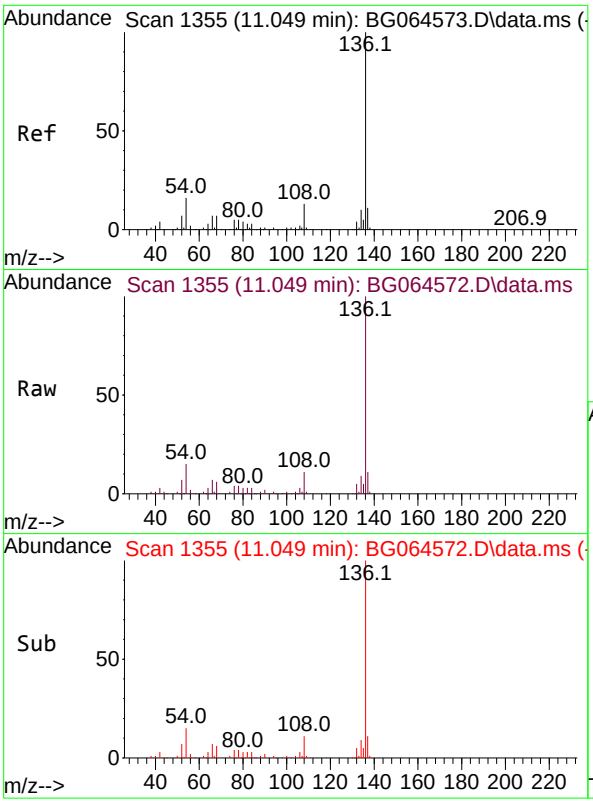


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

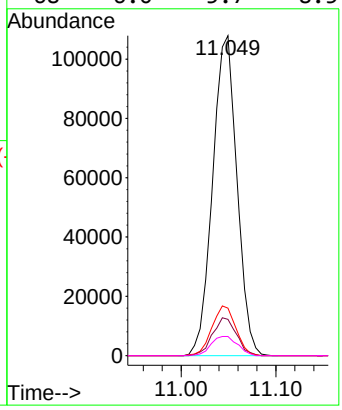




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:136 Resp: 19255

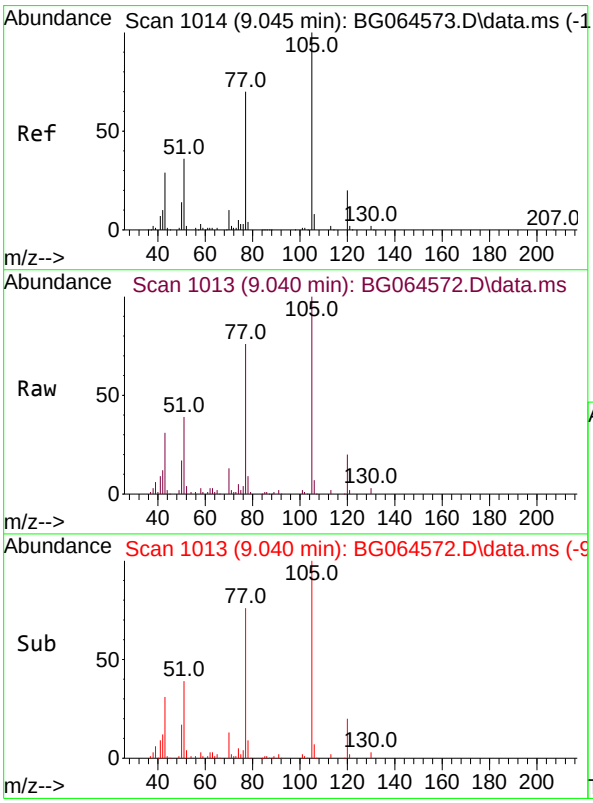
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	14.8	12.6	19.0
68	6.0	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

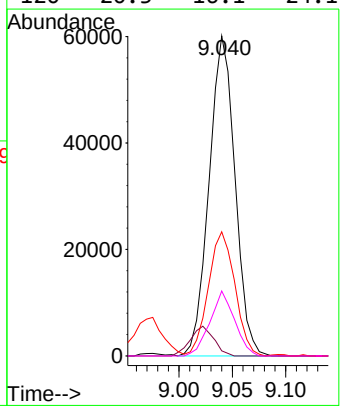
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

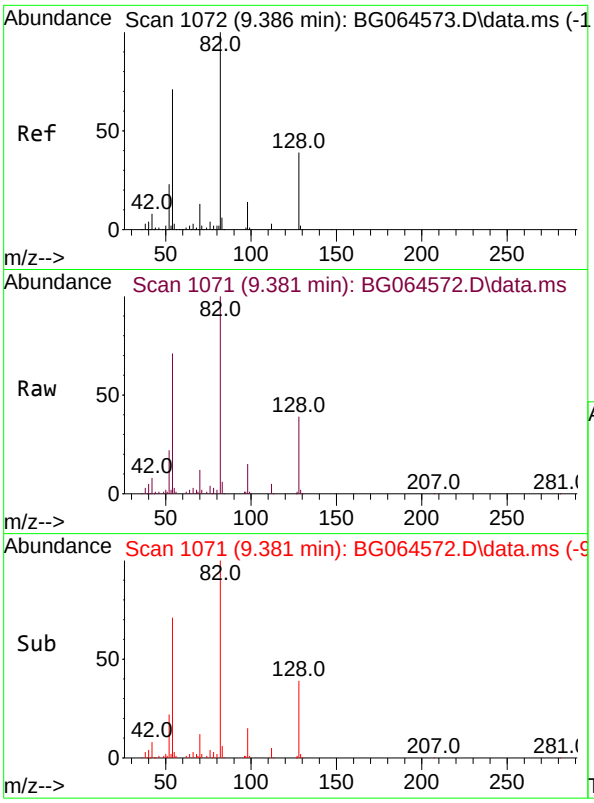


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

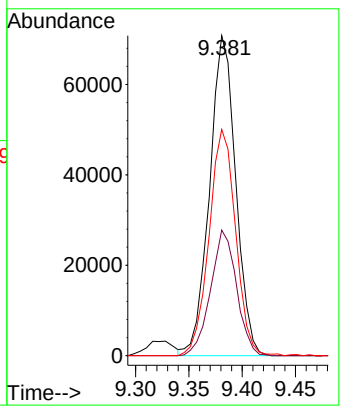




#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 12110

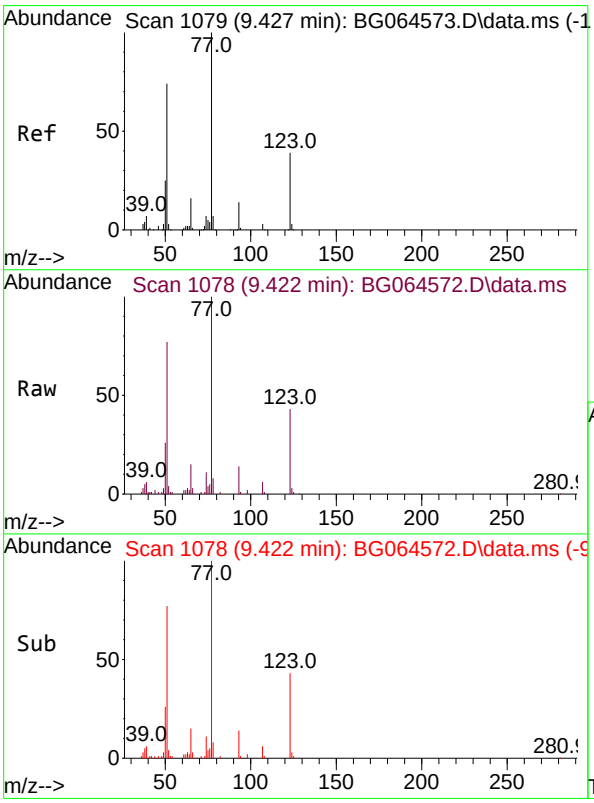
Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

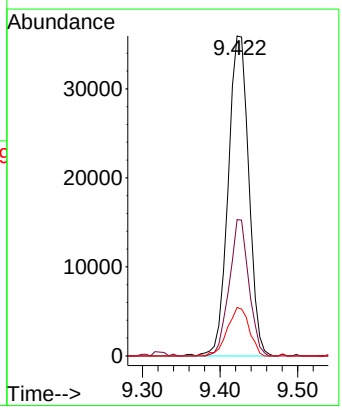
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

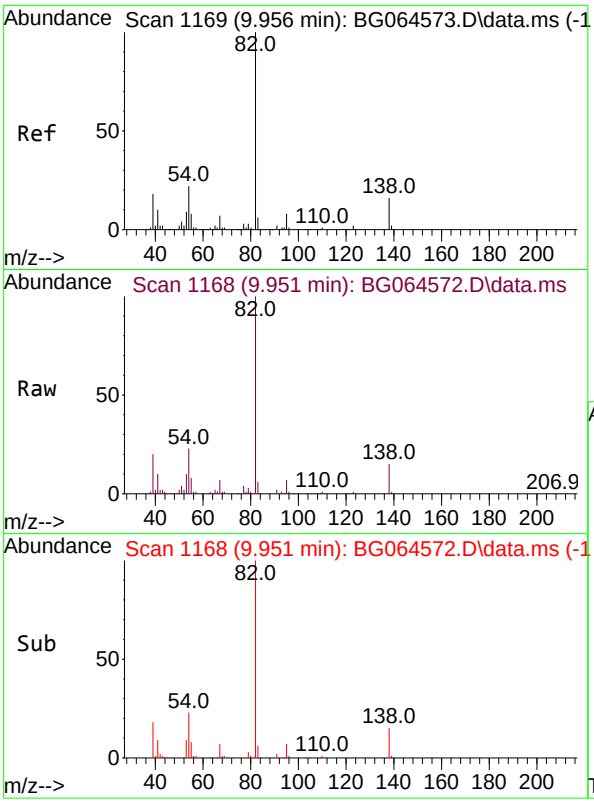


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

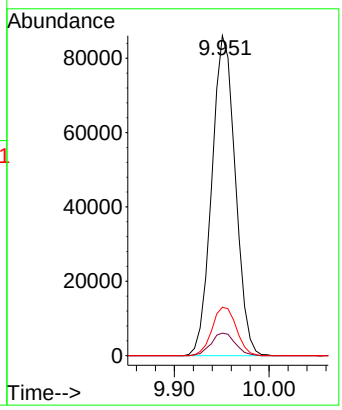




#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 14838

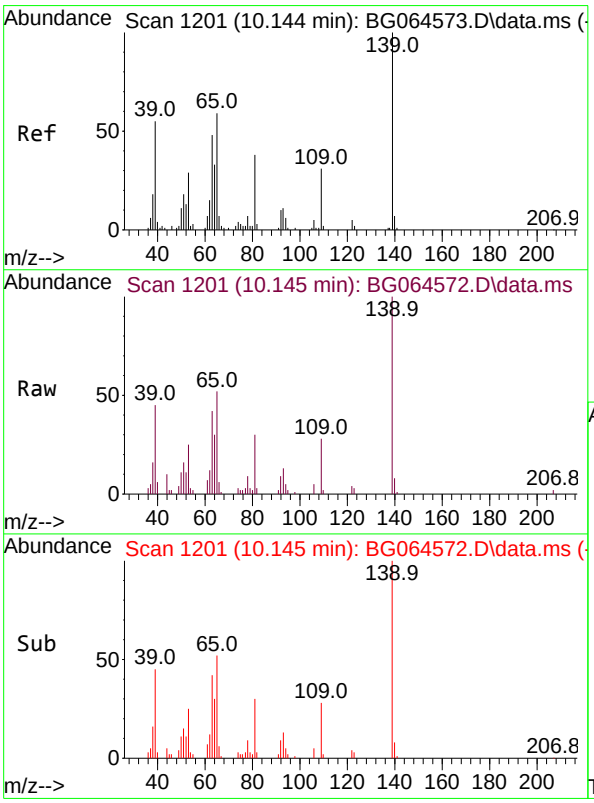
Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

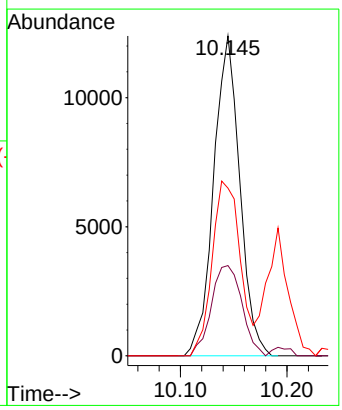
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

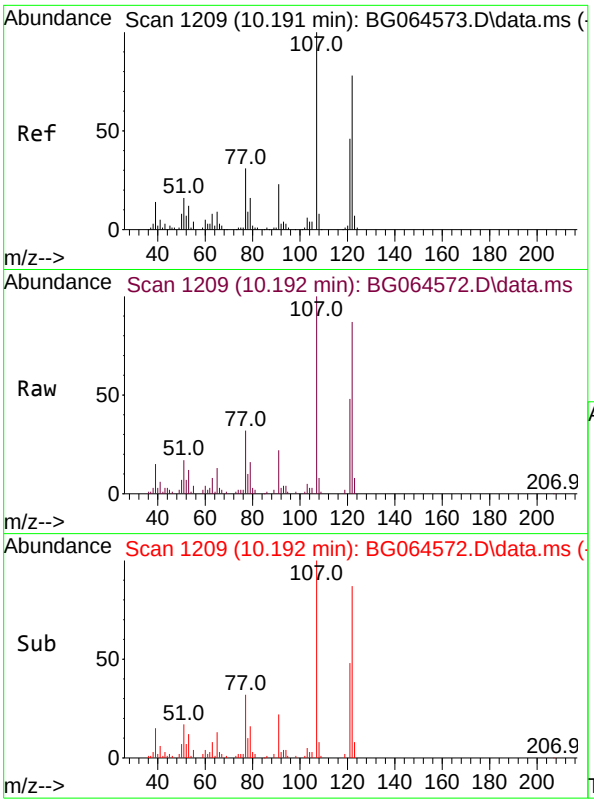


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

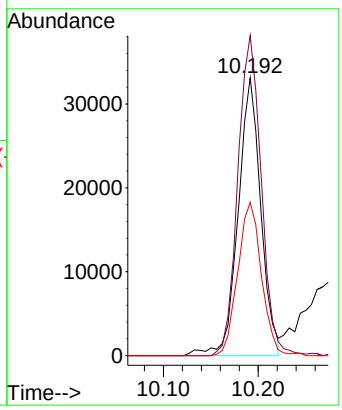




#27
2,4-Dimethylphenol
Concen: 19.211 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 5497

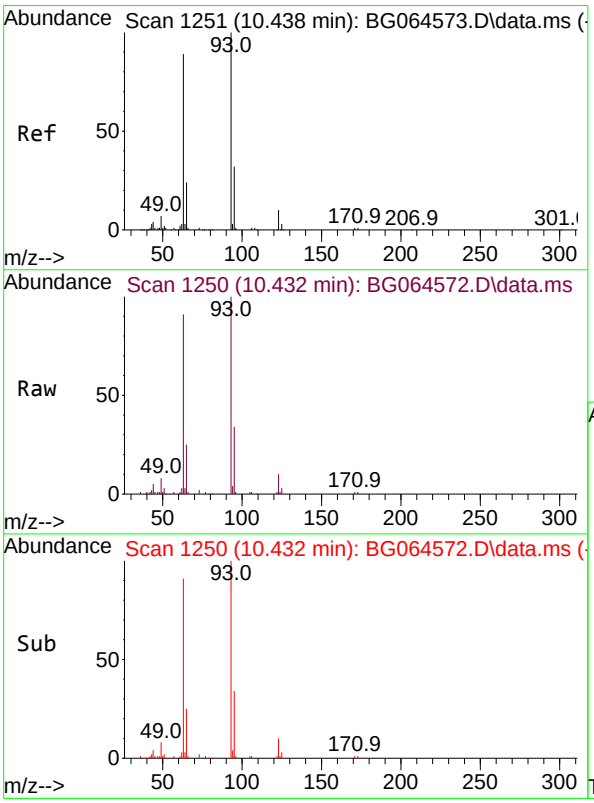
Ion	Ratio	Lower	Upper
122	100		
107	115.2	103.0	154.4
121	55.1	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

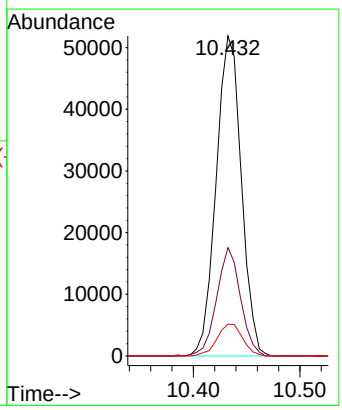
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

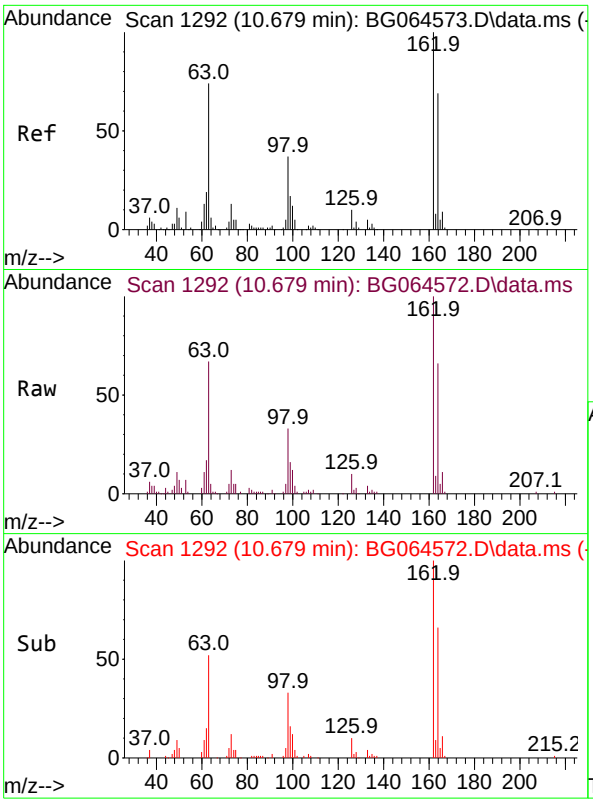


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

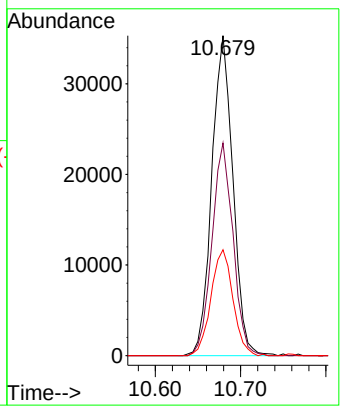




#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 6069

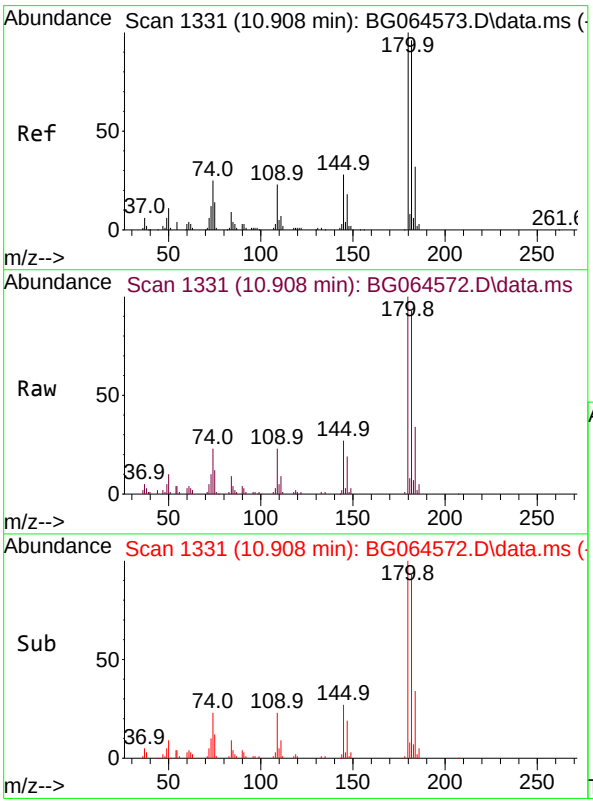
Ion	Ratio	Lower	Upper
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

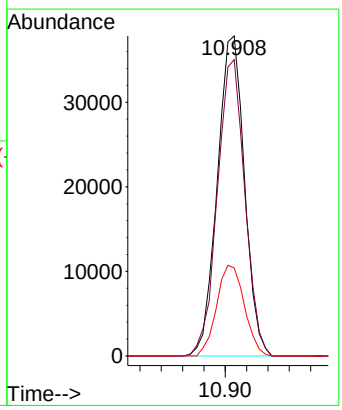
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

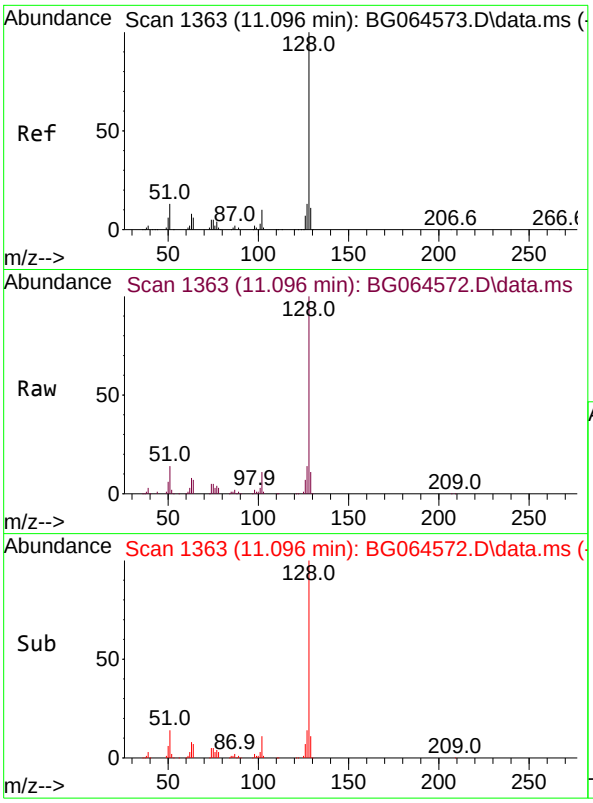


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

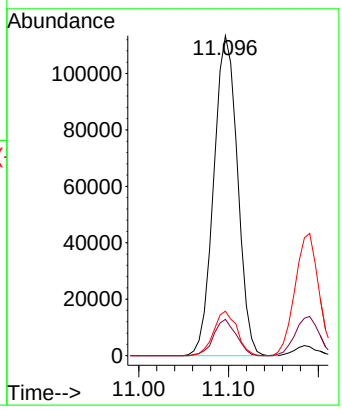




#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 20873

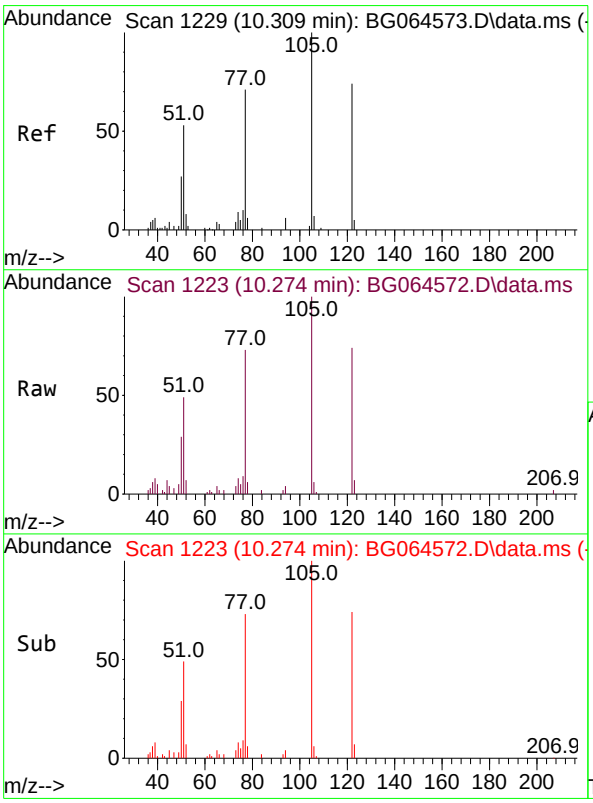
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

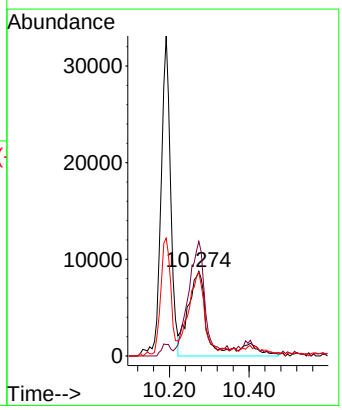
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

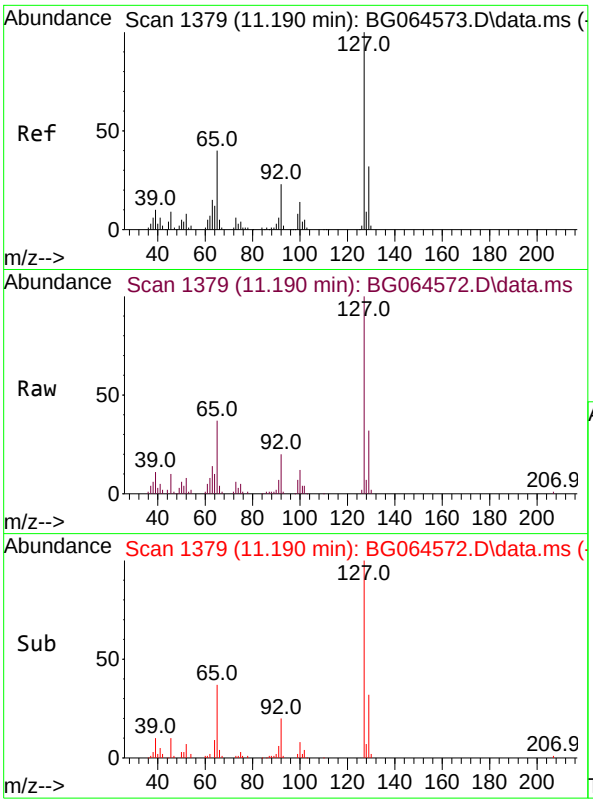


#32
Benzoic acid
Concen: 18.155 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.035 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

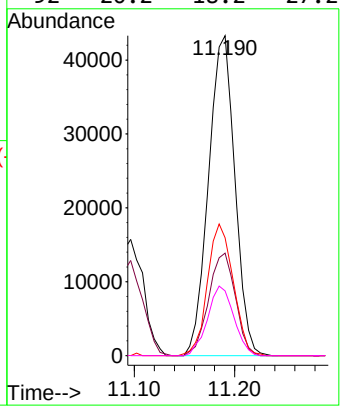




#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:127 Resp: 7906

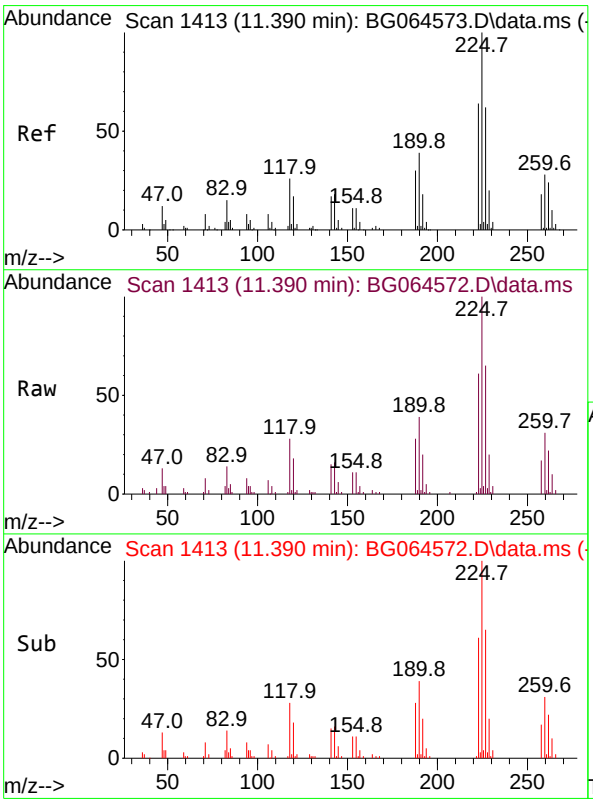
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	36.8	32.2	48.4
92	20.2	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

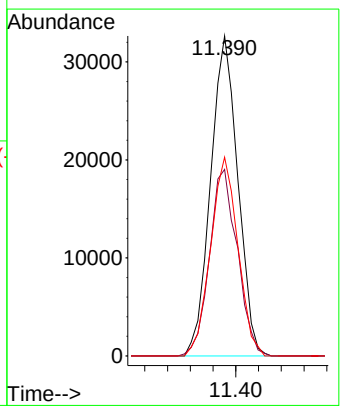
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

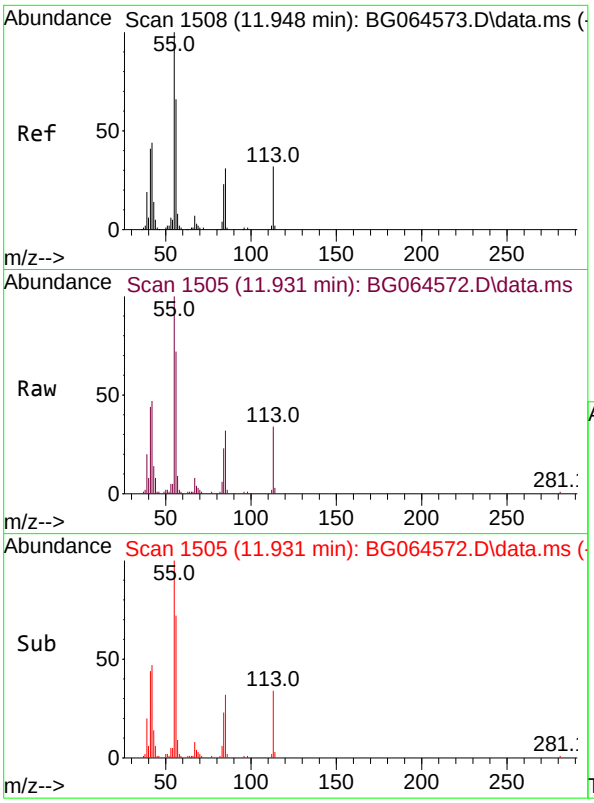


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

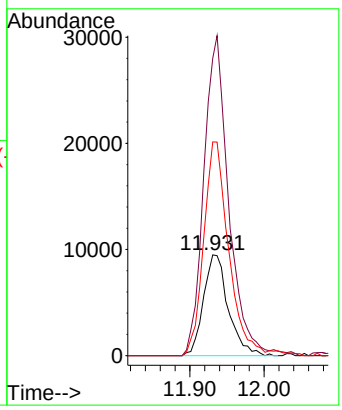




#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:113 Resp: 2201

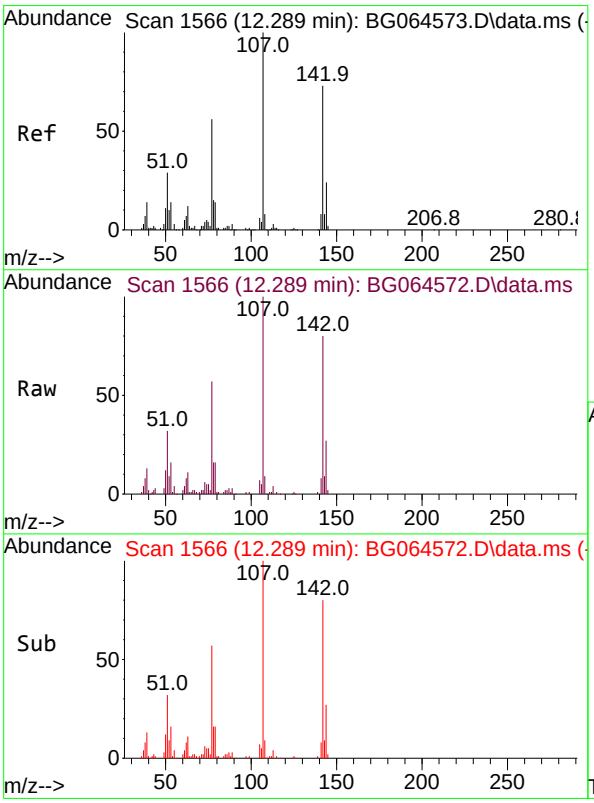
Ion	Ratio	Lower	Upper
113	100		
55	295.5	290.1	330.1
56	212.3	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

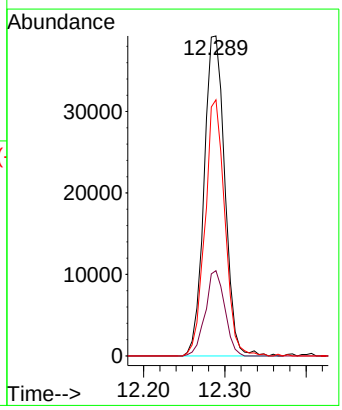
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

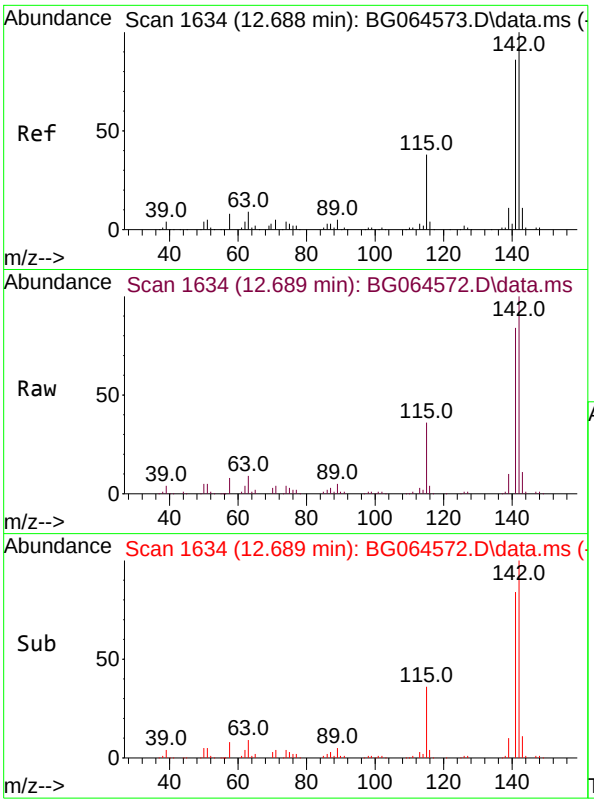


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

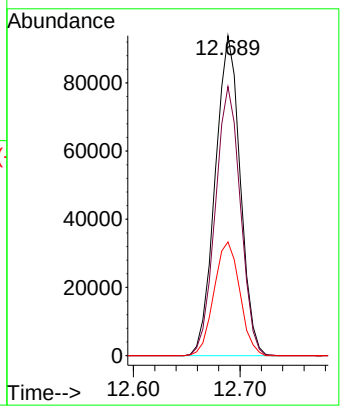




#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 15344

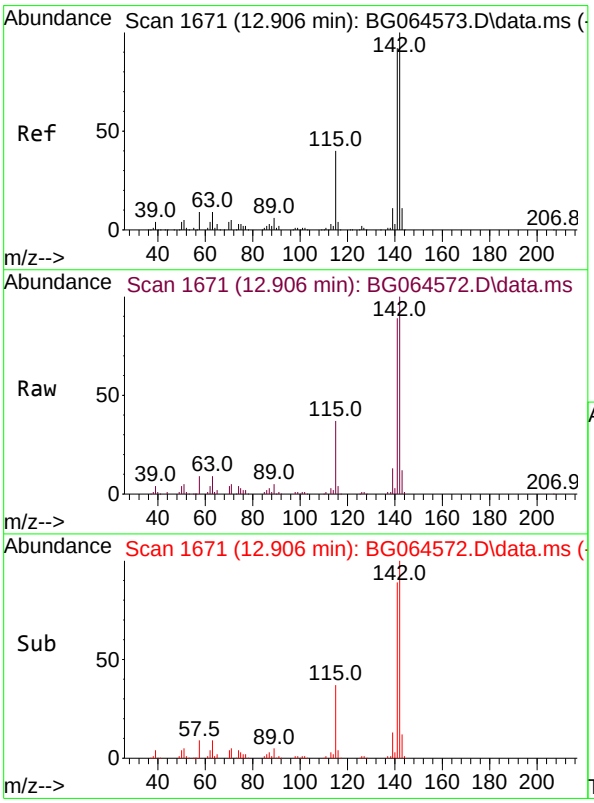
Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.9	103.3
115	35.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

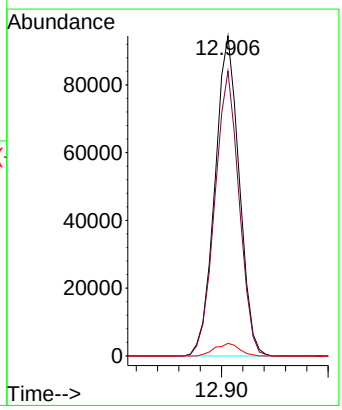
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

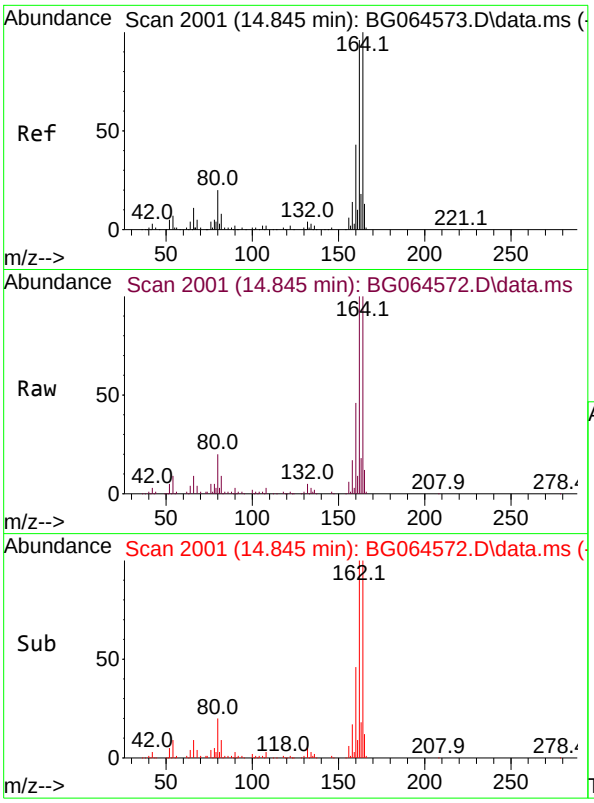


#38
1-Methylnaphthalene
Concen: 19.266 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

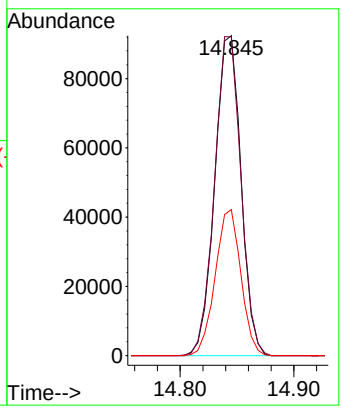




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:164 Resp: 14752

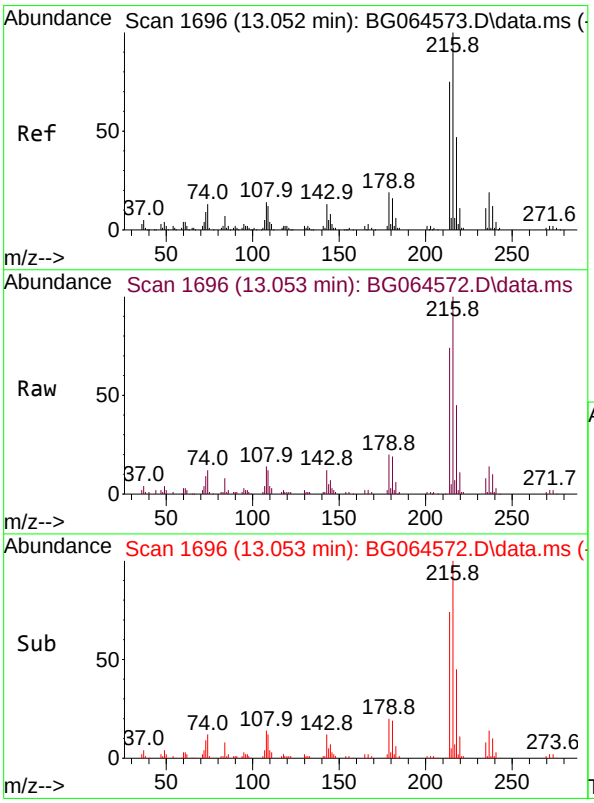
Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.0	115.6
160	45.6	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

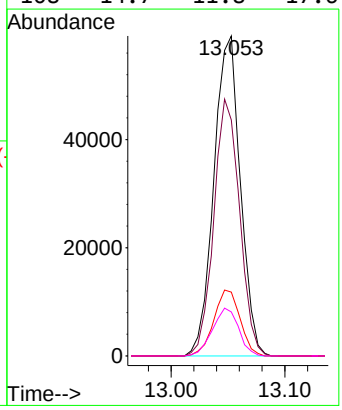
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

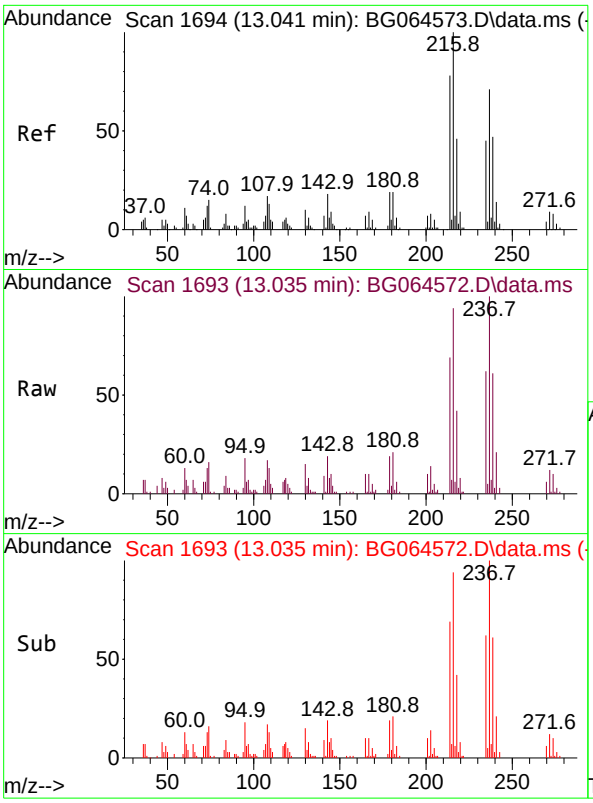


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

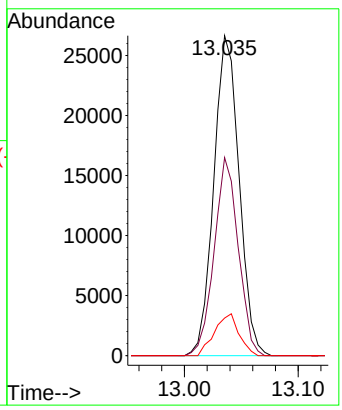




#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:237 Resp: 4117

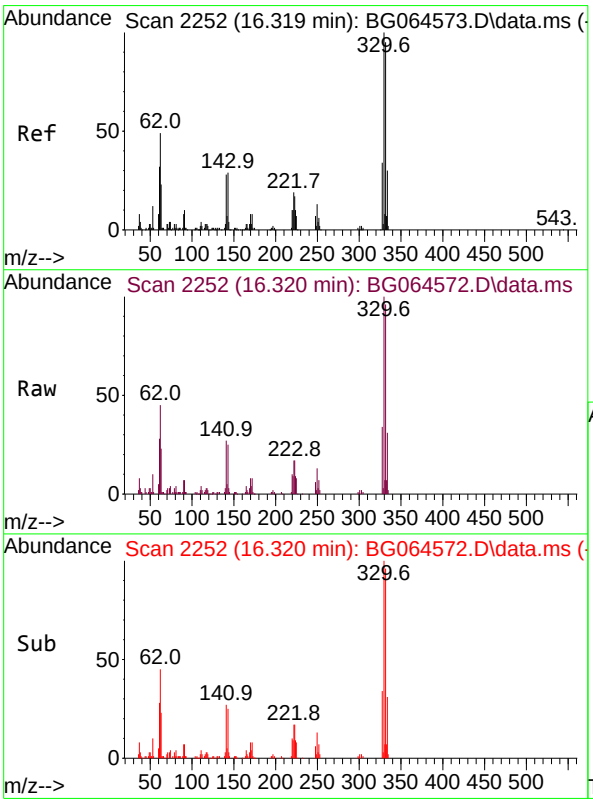
Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.1	84.1
272	11.7	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

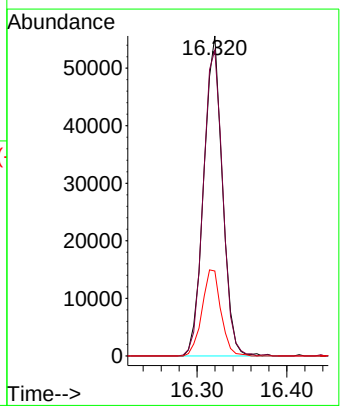
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

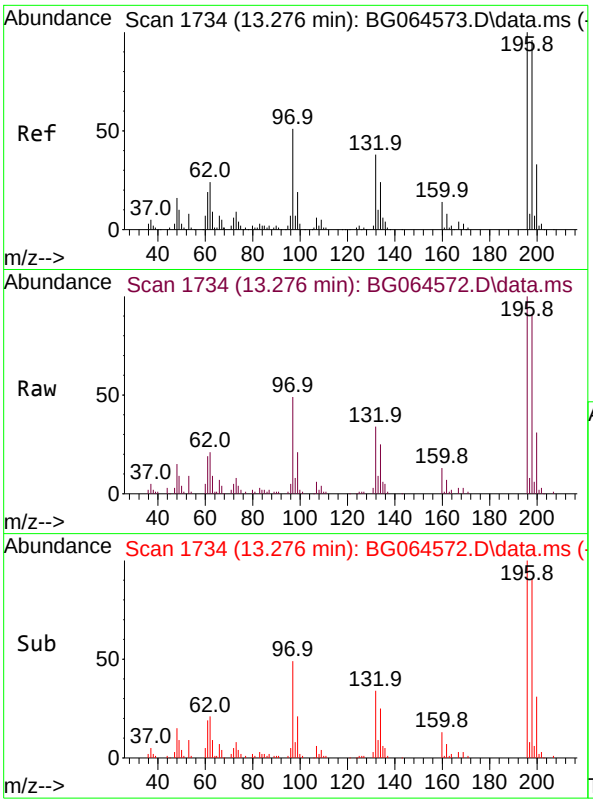


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

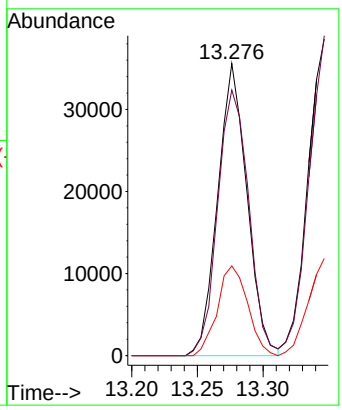




#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 5529

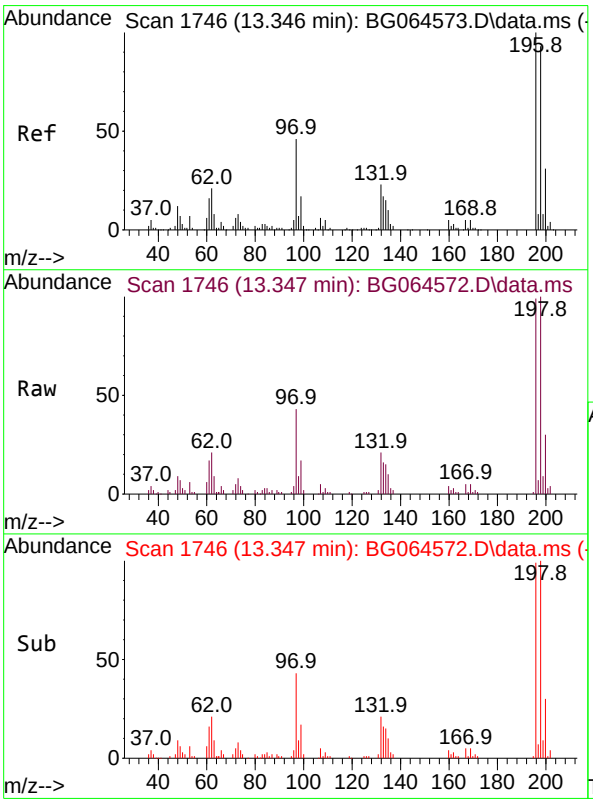
Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

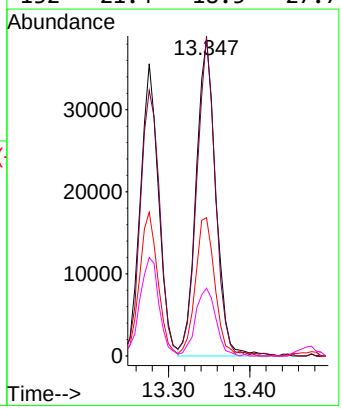
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

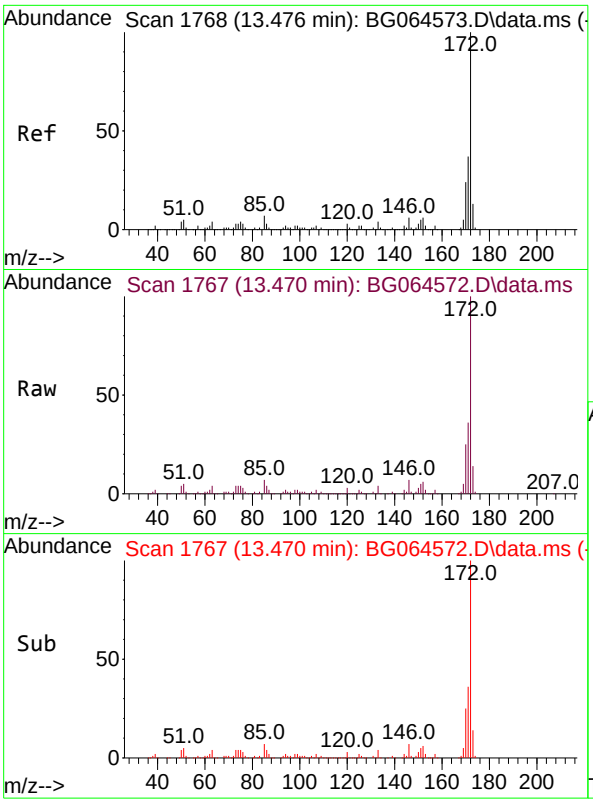


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

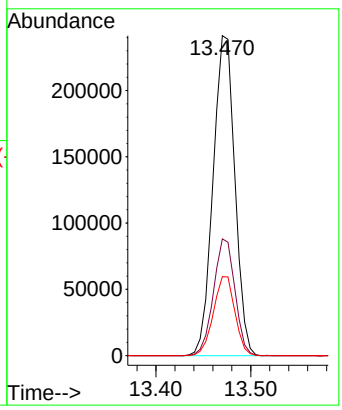




#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:172 Resp: 38525

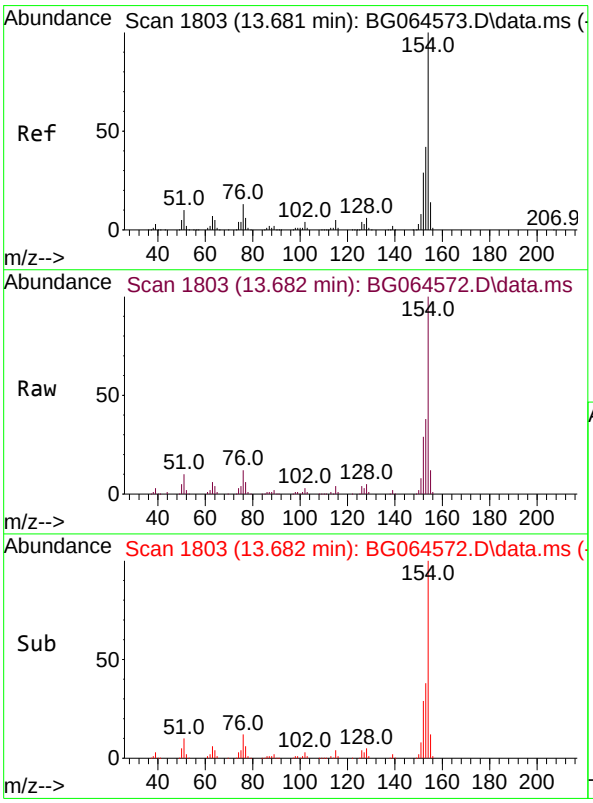
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

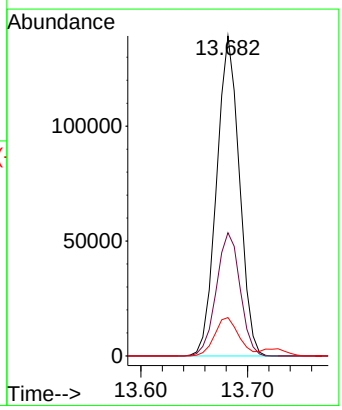
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

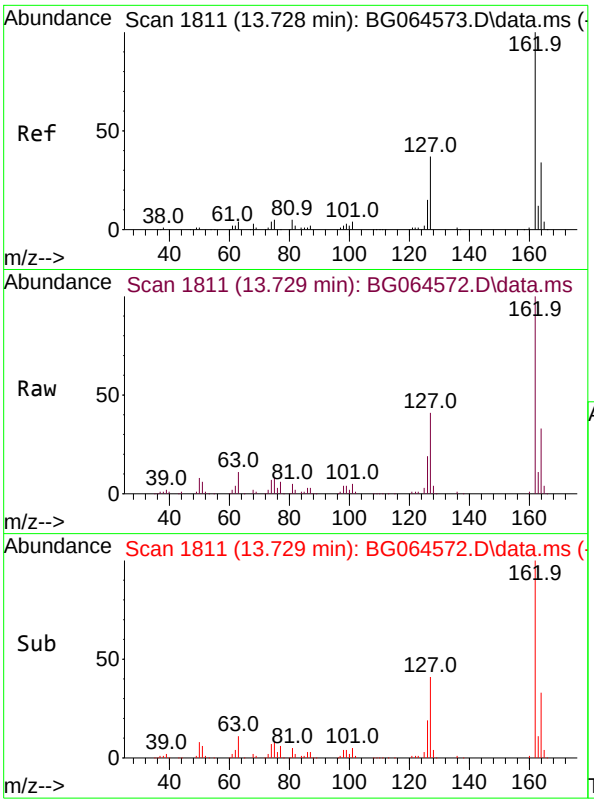


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

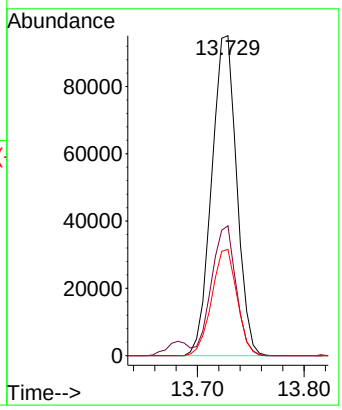




#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 15535

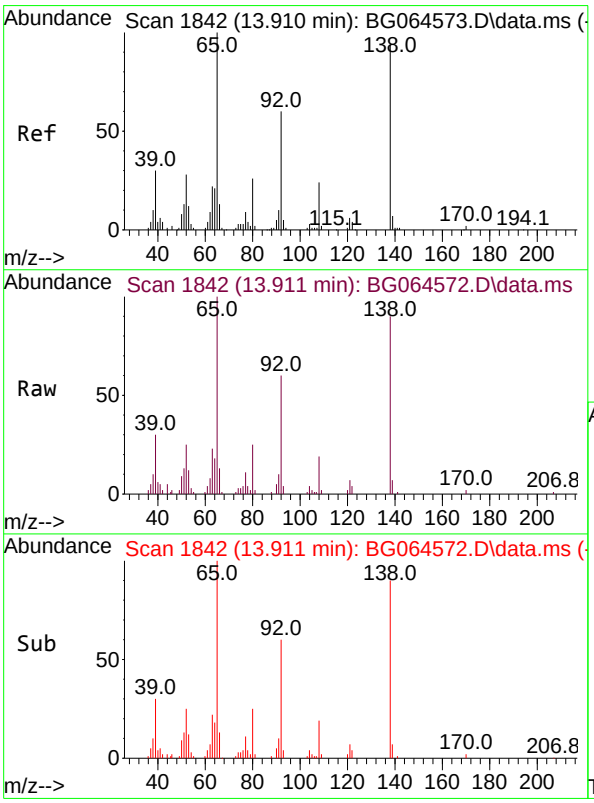
Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

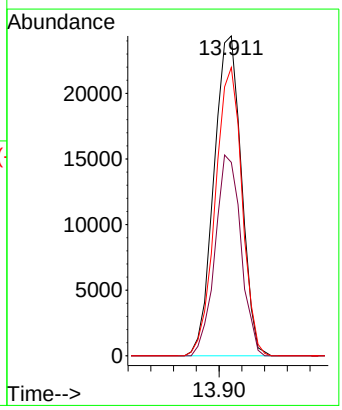
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

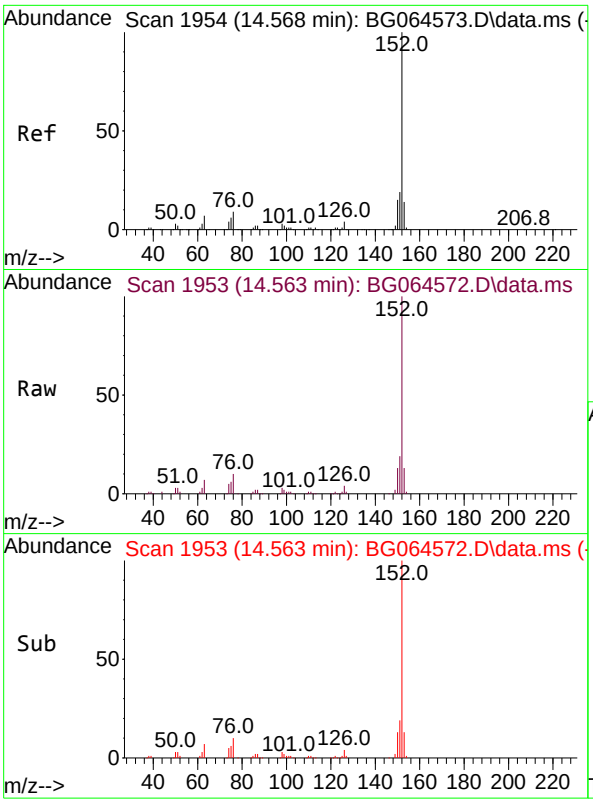


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

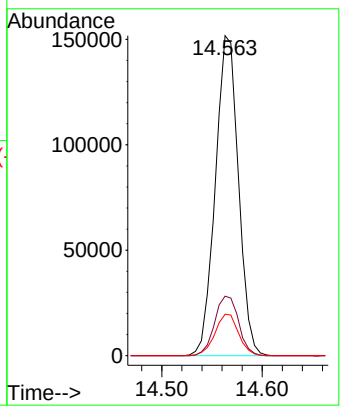




#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 242914

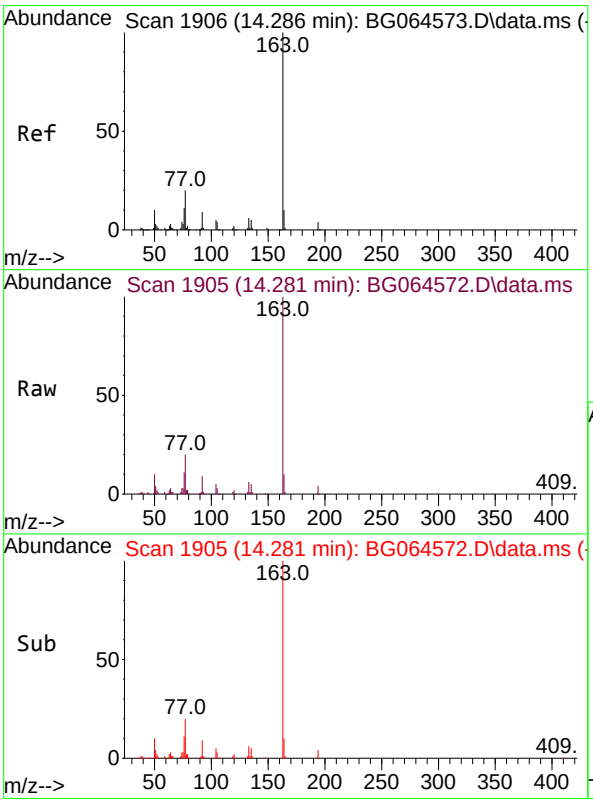
Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.9	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

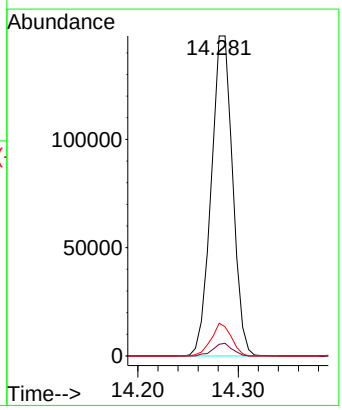
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

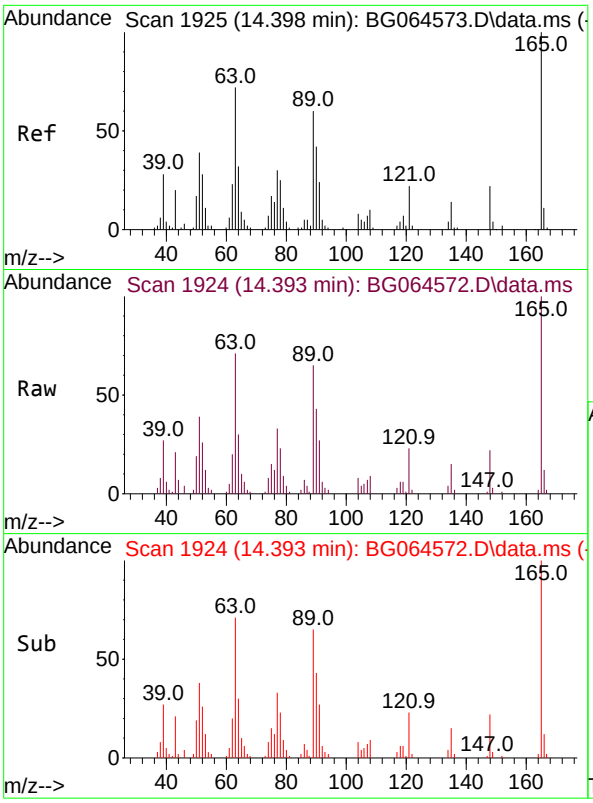


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

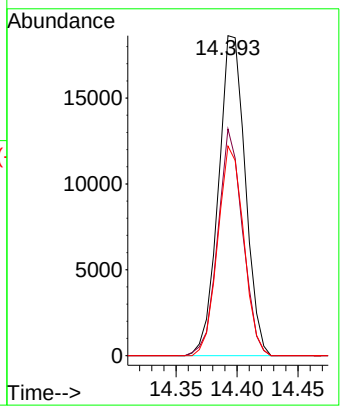




#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 2842

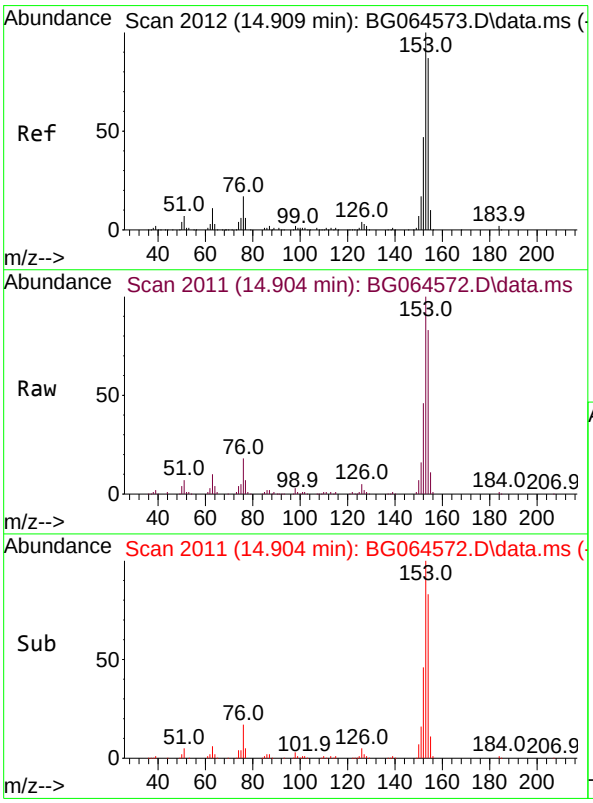
Ion	Ratio	Lower	Upper
165	100		
63	70.8	57.4	86.0
89	65.5	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

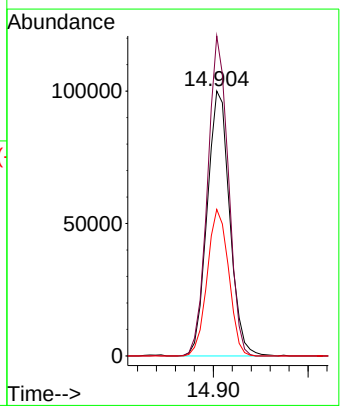
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

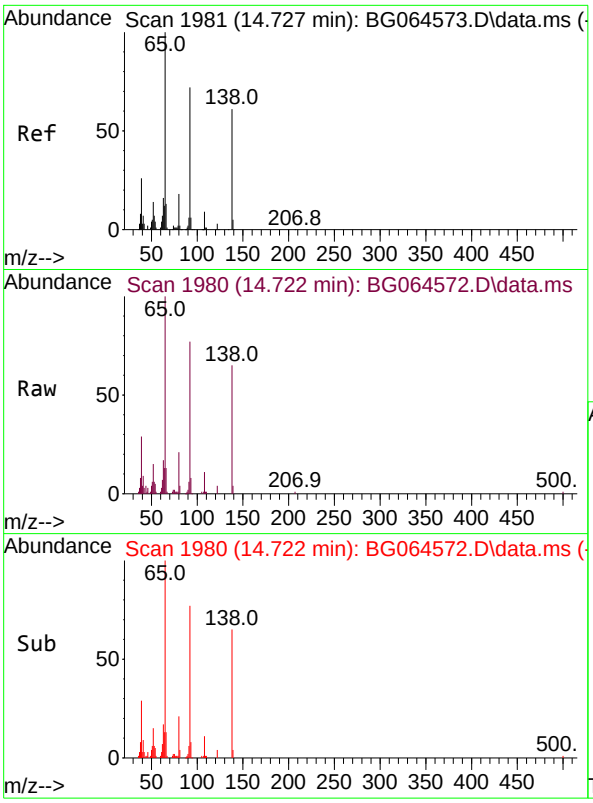


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

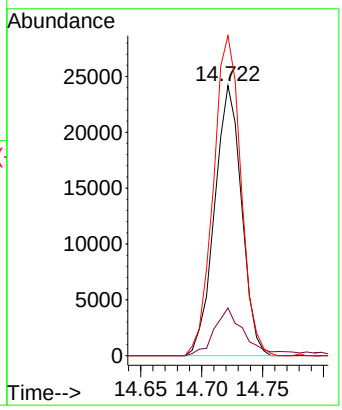




#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 3723

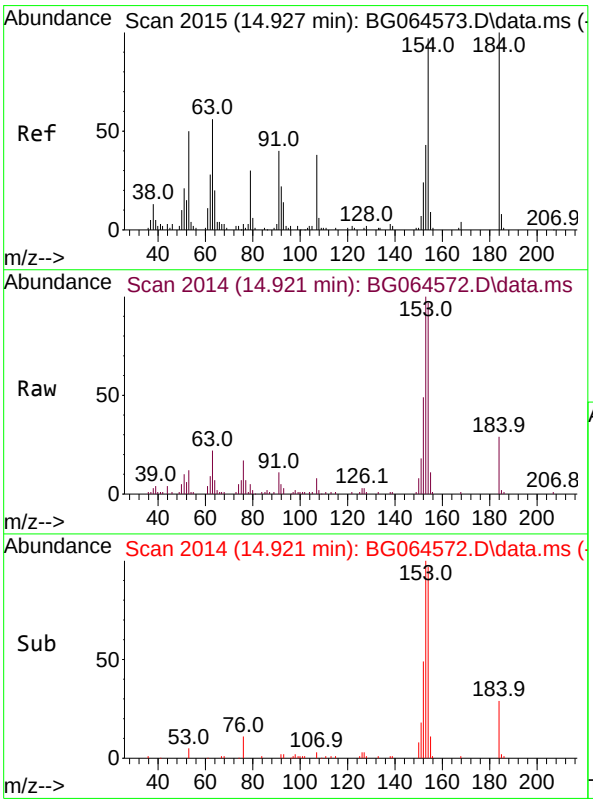
Ion	Ratio	Lower	Upper
138	100		
108	17.6	11.4	17.0#
92	118.5	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

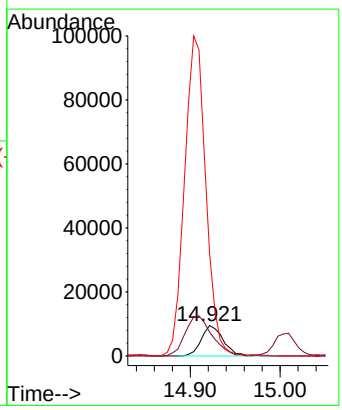
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

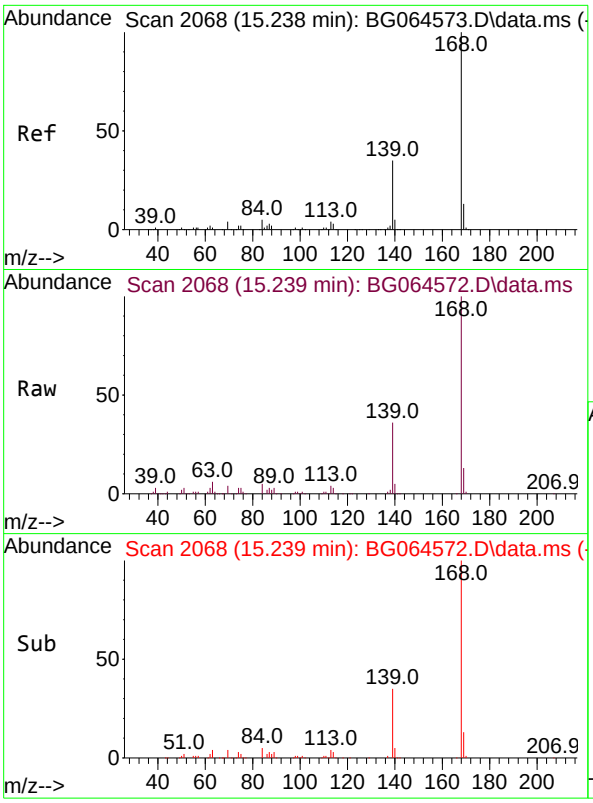


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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#

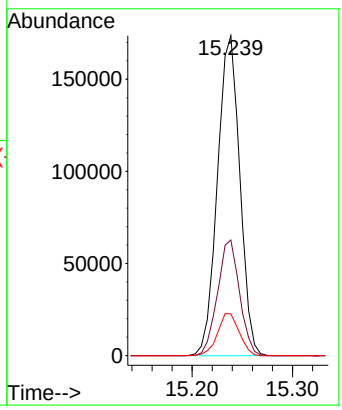




#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:168 Resp: 26941

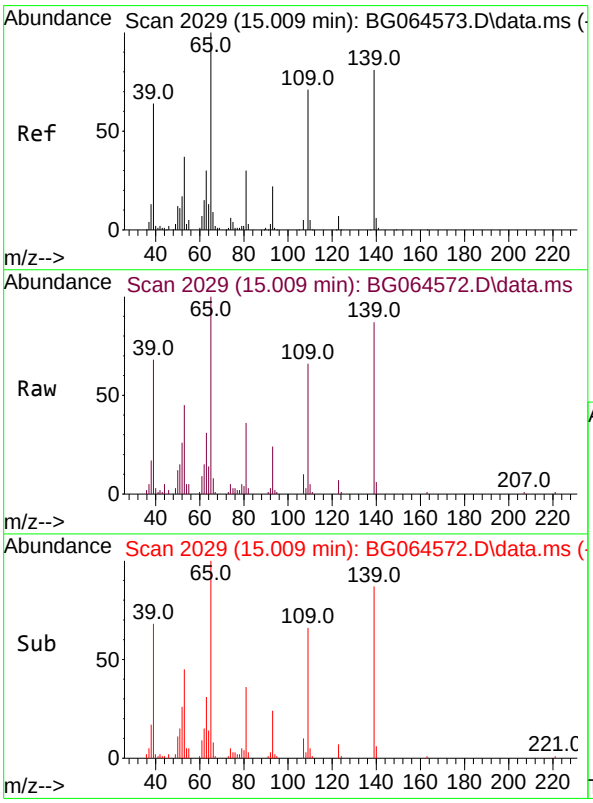
Ion	Ratio	Lower	Upper
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

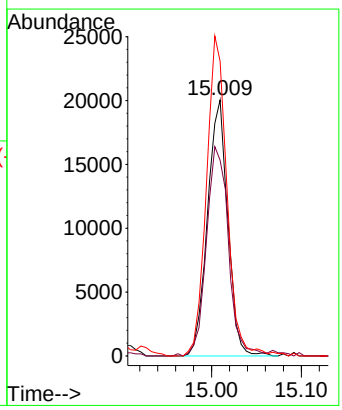
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

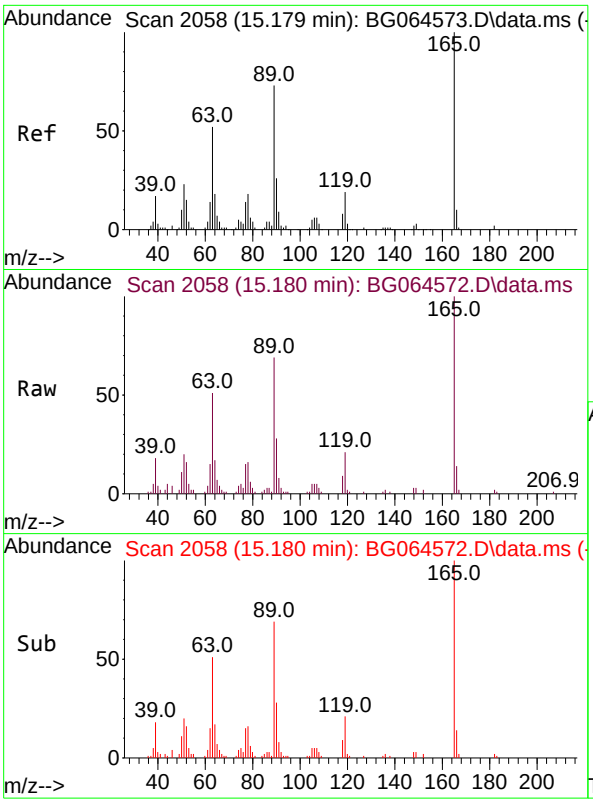


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

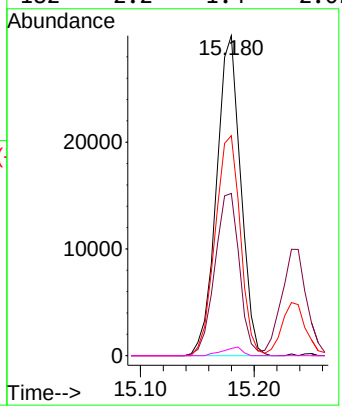




#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 4420

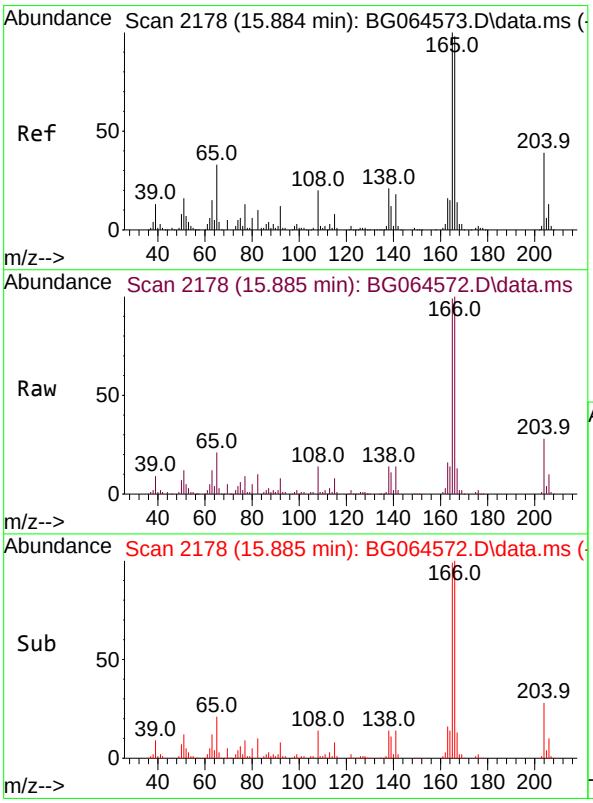
Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	68.7	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

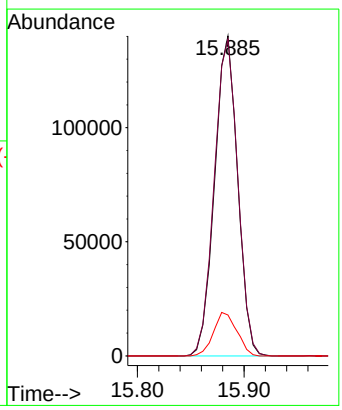
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

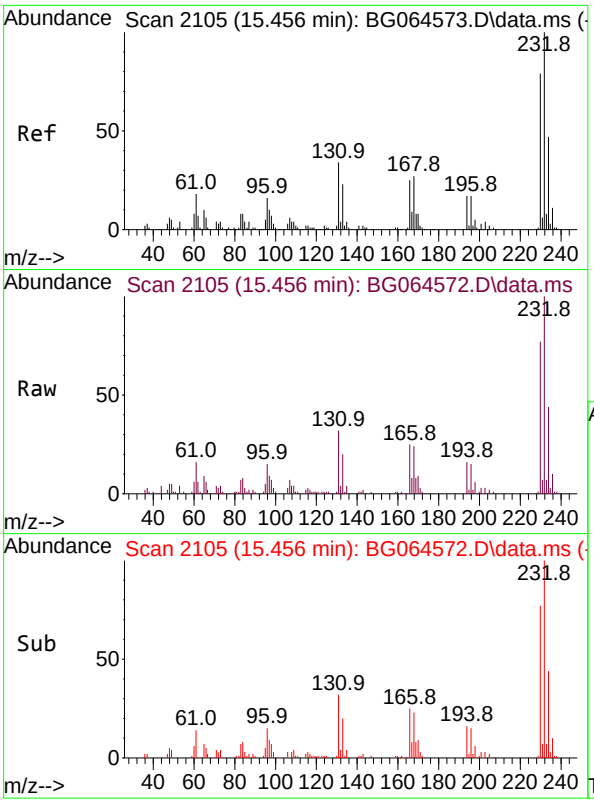


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

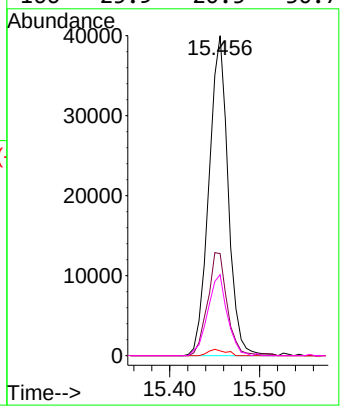




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:232 Resp: 59314

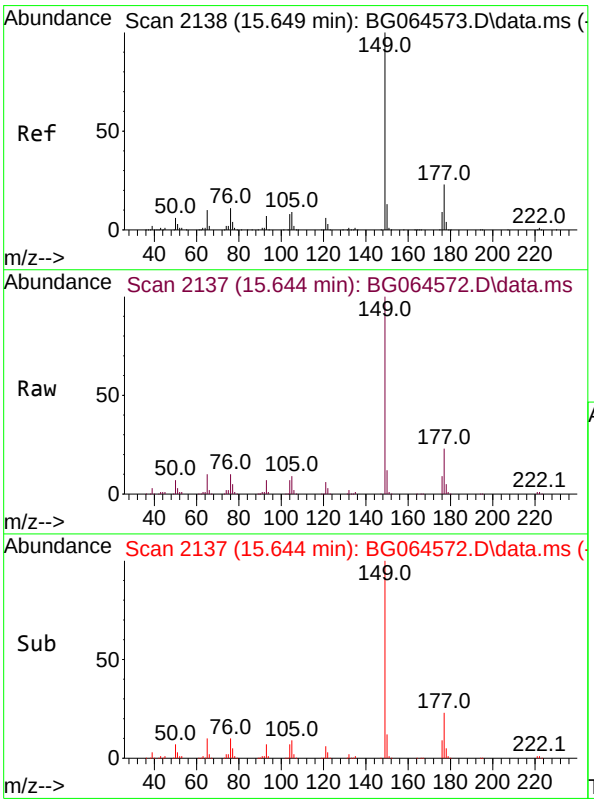
Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	25.9	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

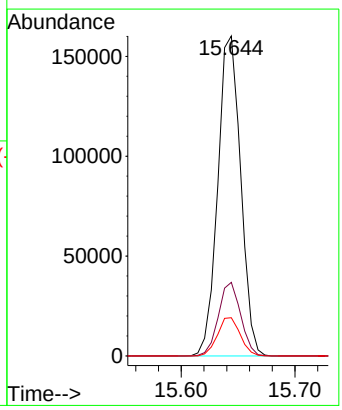
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

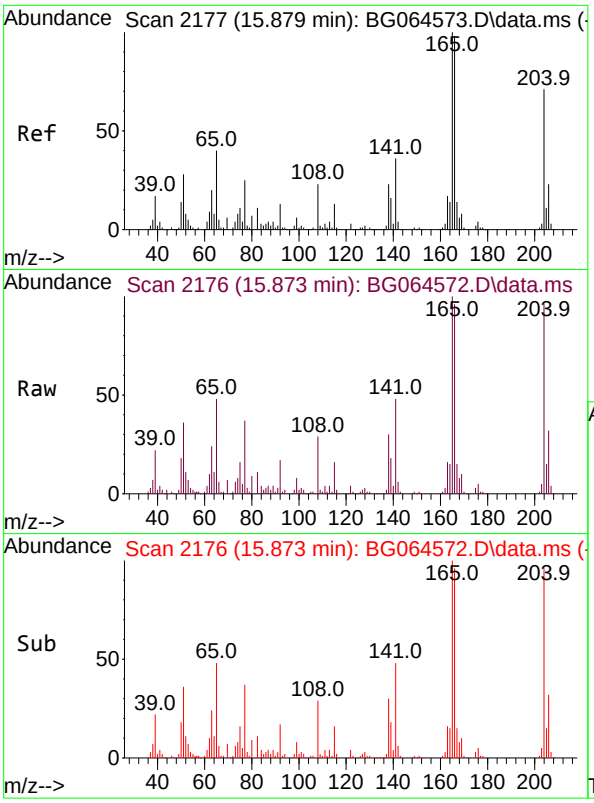


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

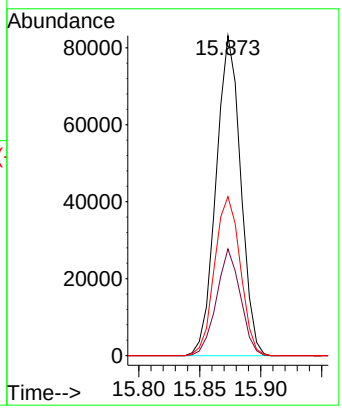




#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:204 Resp: 11686

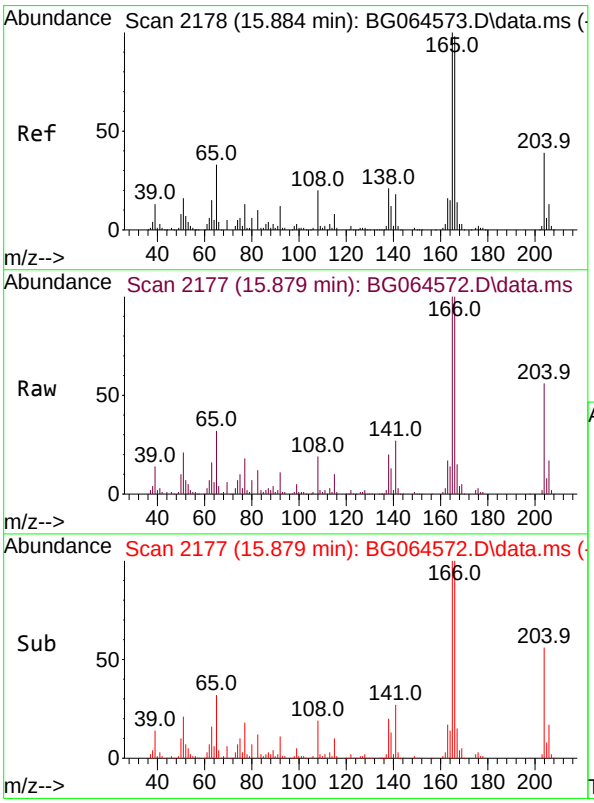
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	49.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

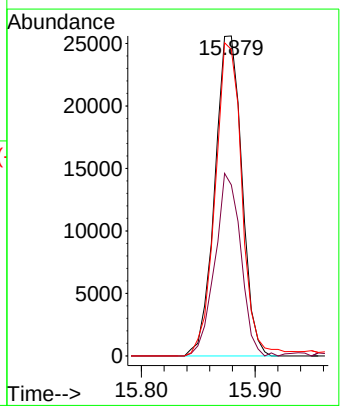
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

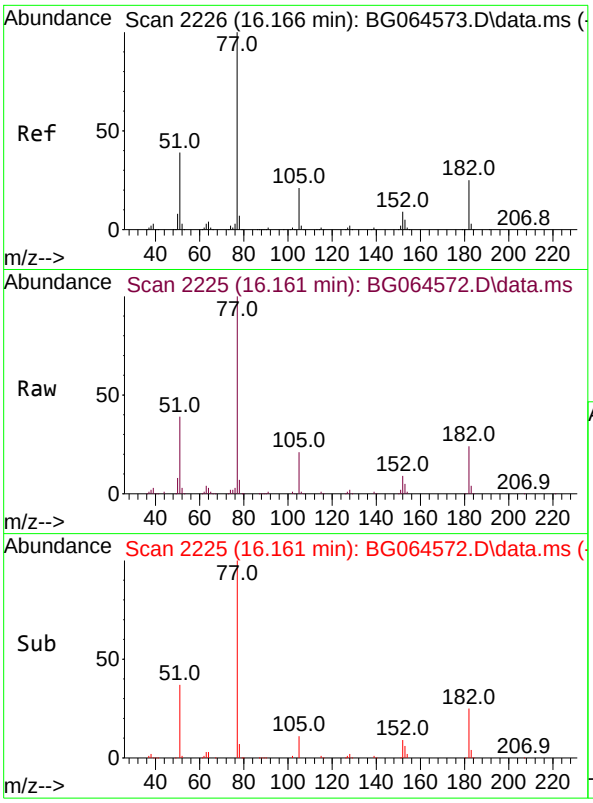


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

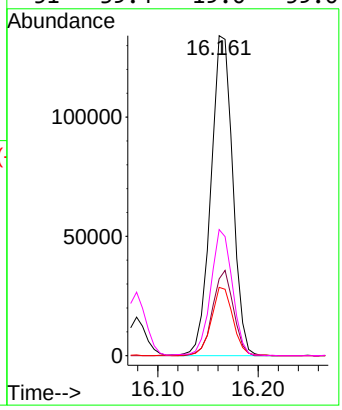




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 20310

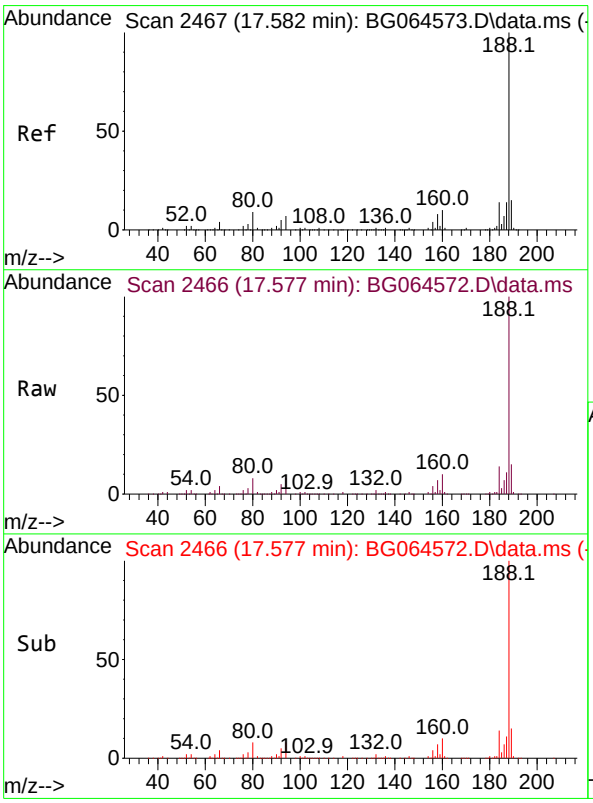
Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	21.3	1.3	41.3
51	39.4	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

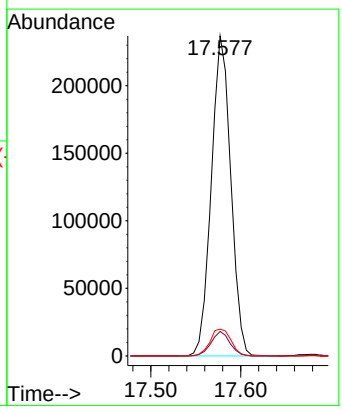
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

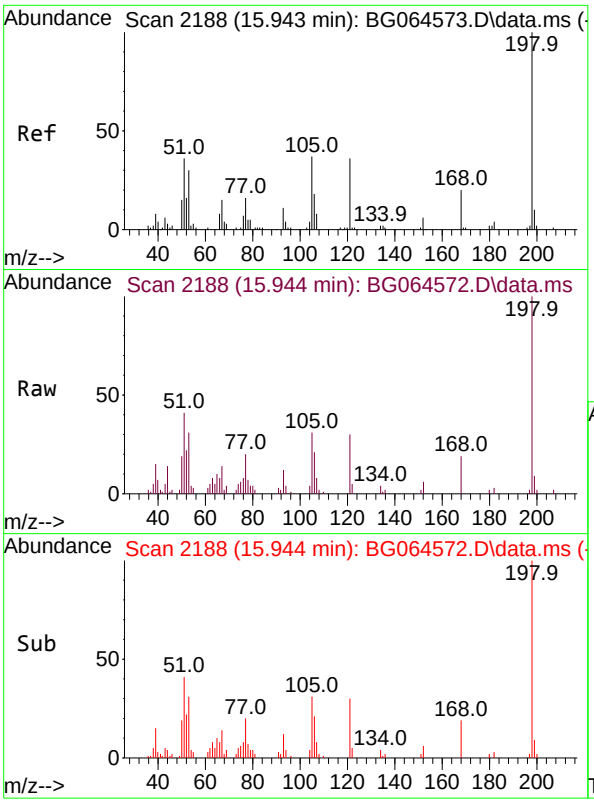


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

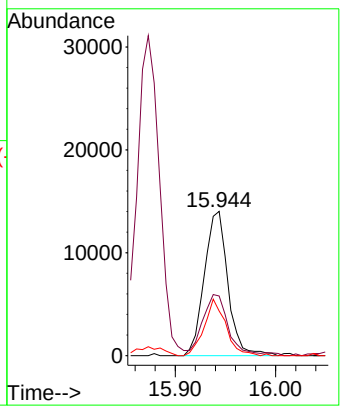
Tgt Ion:198 Resp: 2284

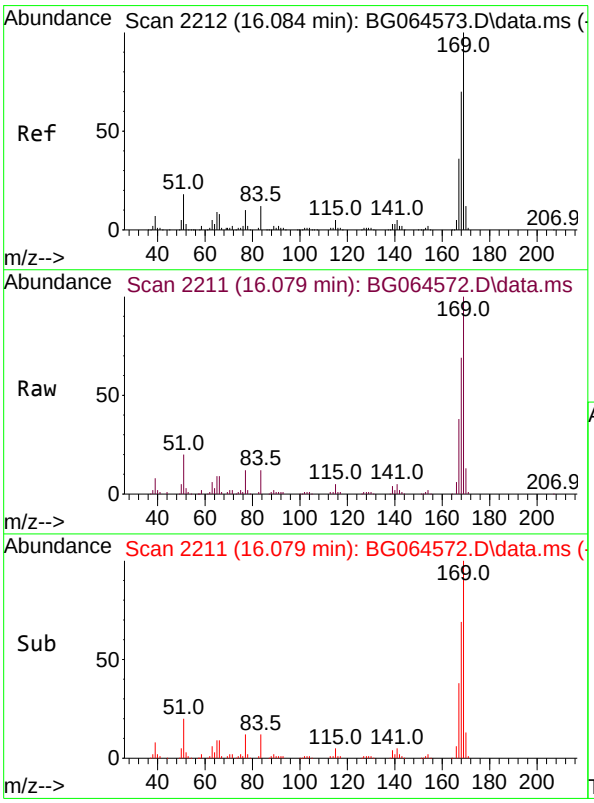
Ion	Ratio	Lower	Upper
198	100		
51	41.3	24.7	64.7
105	30.8	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

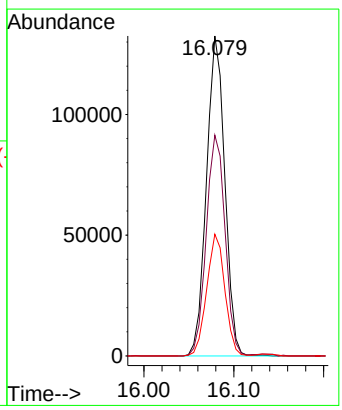


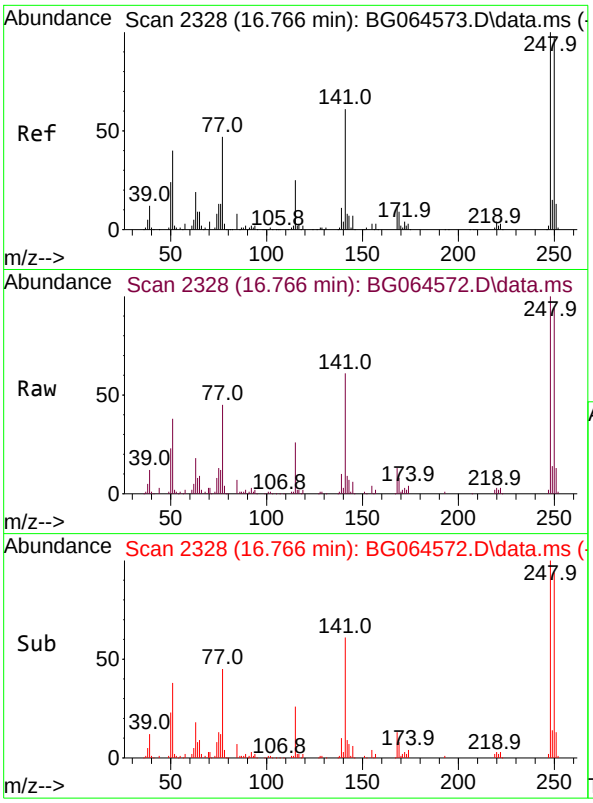


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

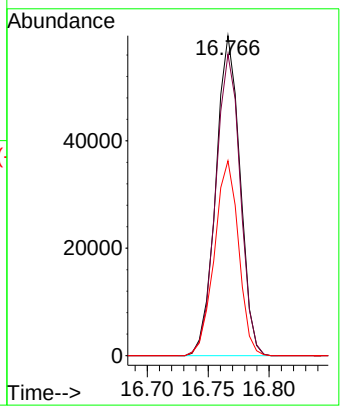




#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:248 Resp: 8231

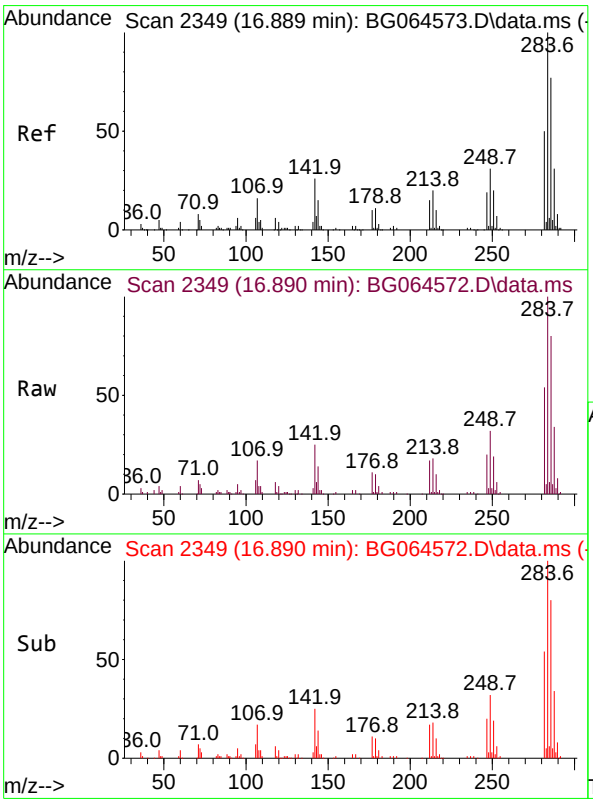
Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	60.9	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

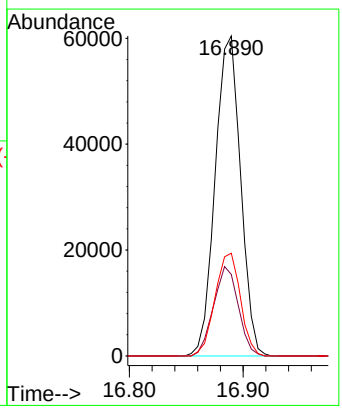
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

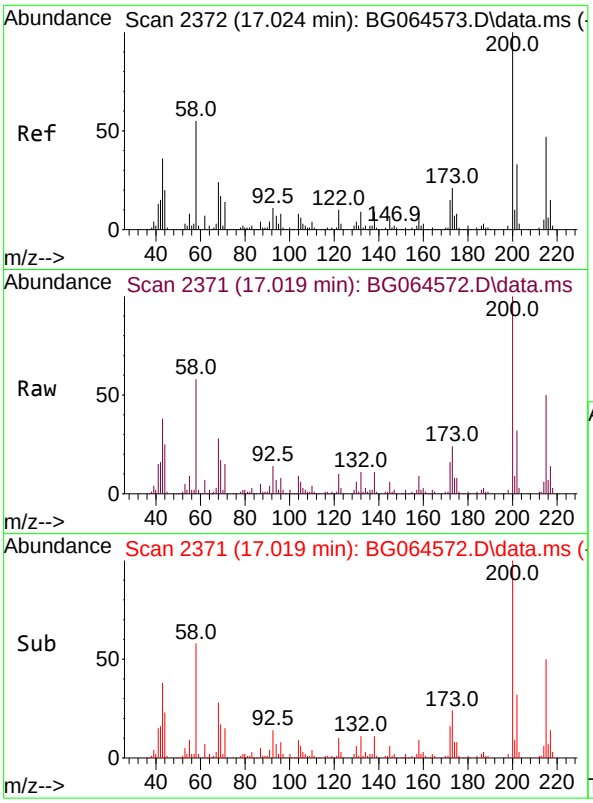


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

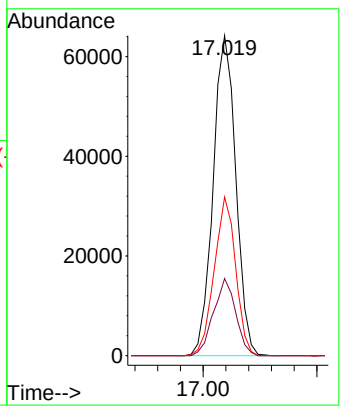




#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:200 Resp: 8883

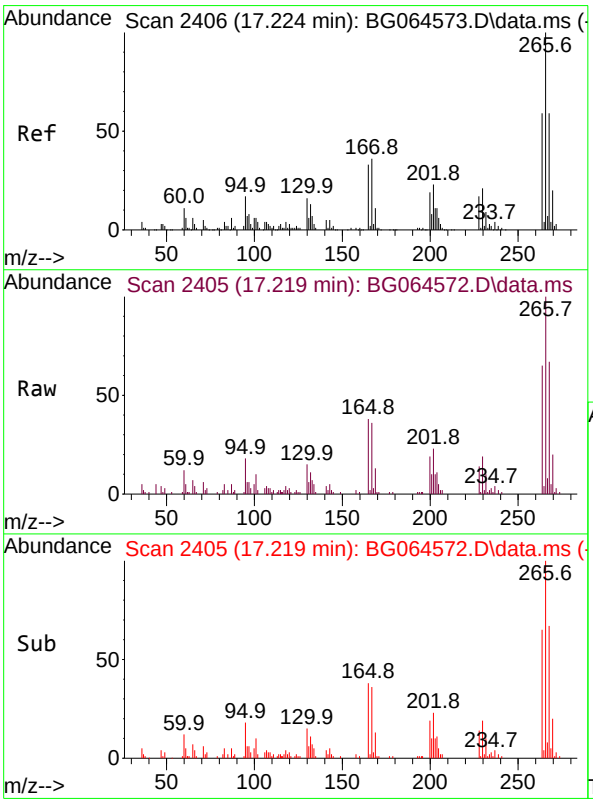
Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	49.6	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

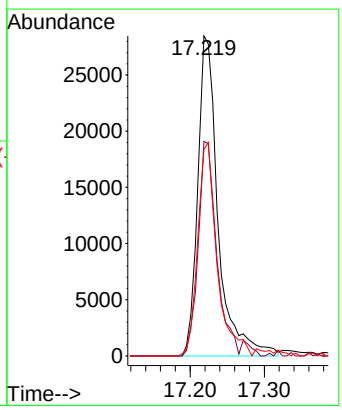
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

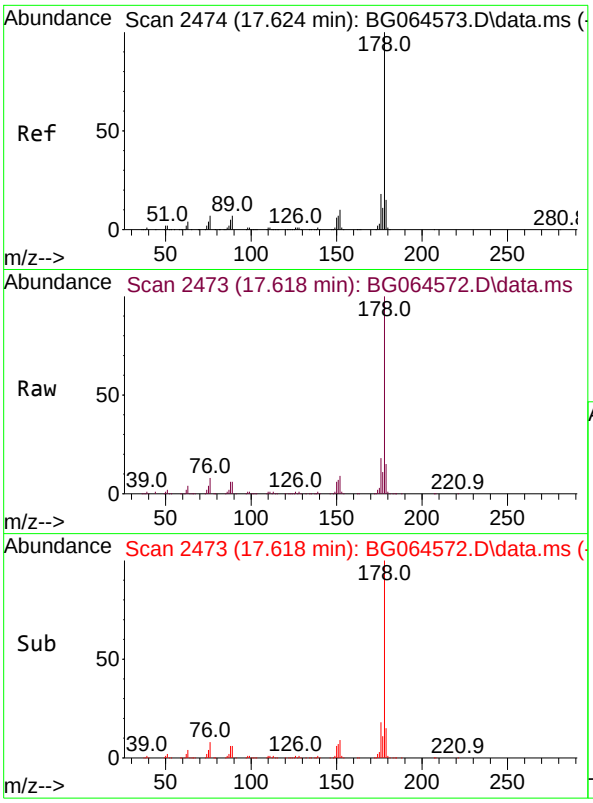


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

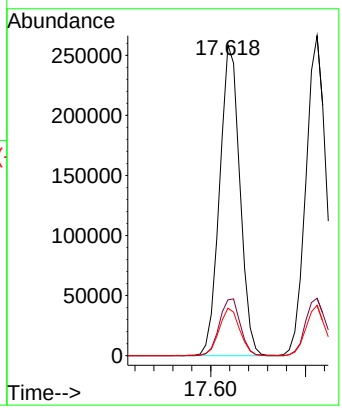




#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 383359

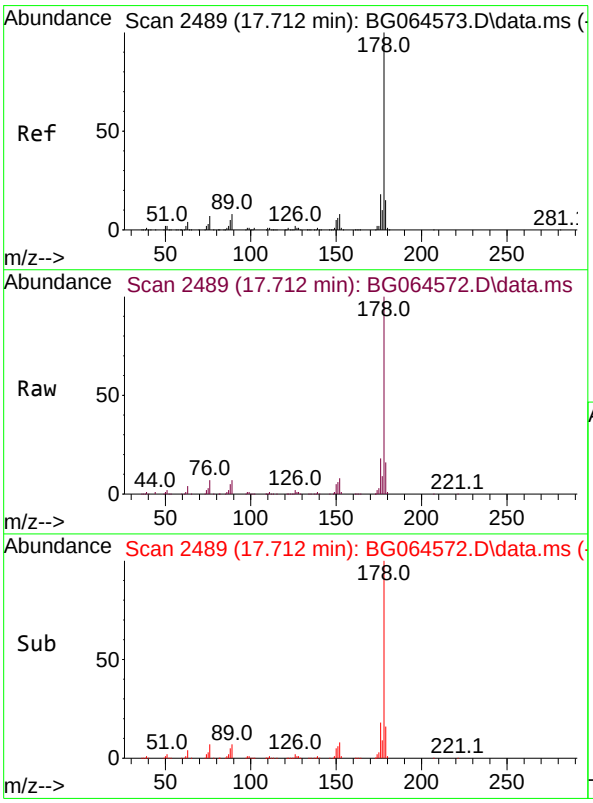
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

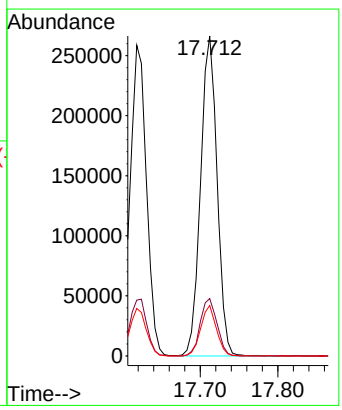
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

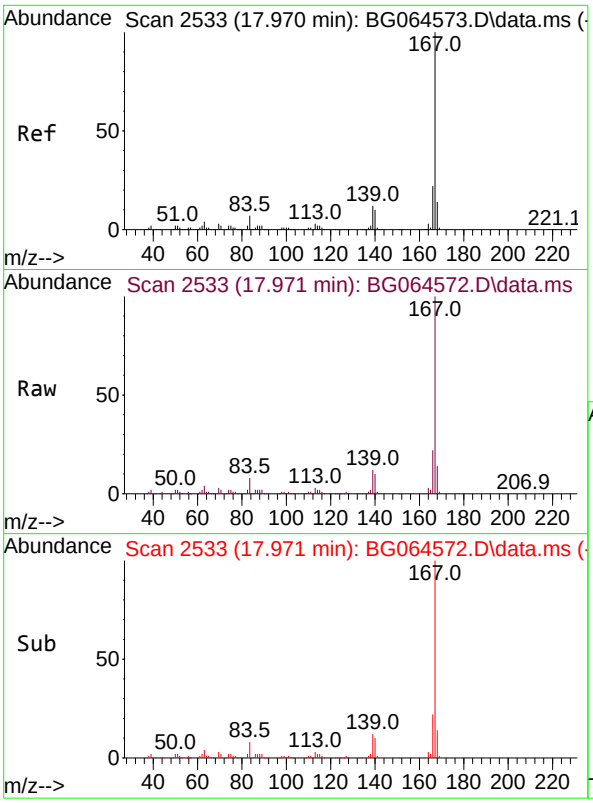


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

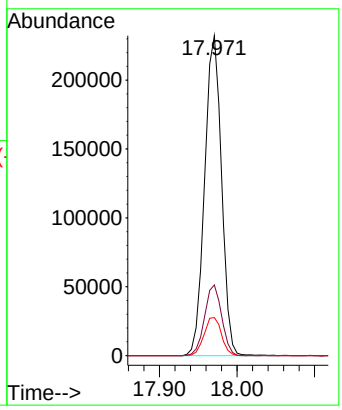




#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:167 Resp: 35072

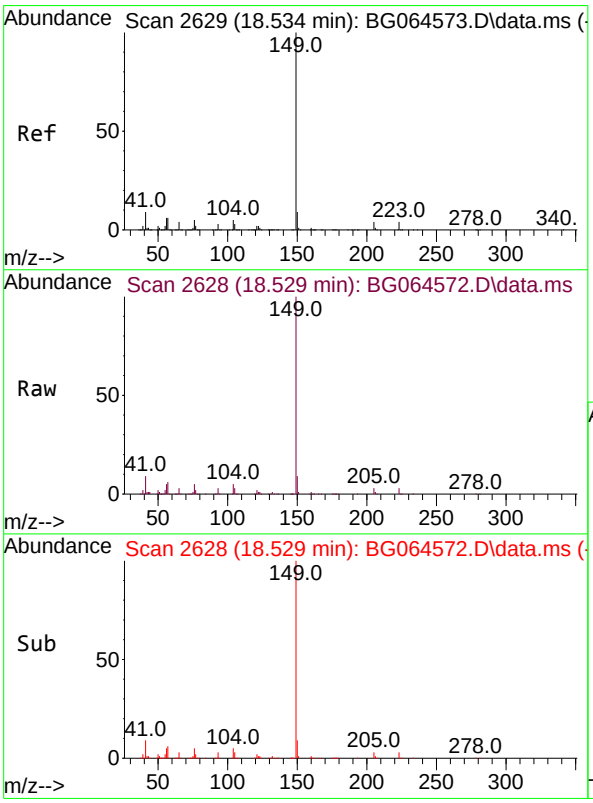
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.9	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

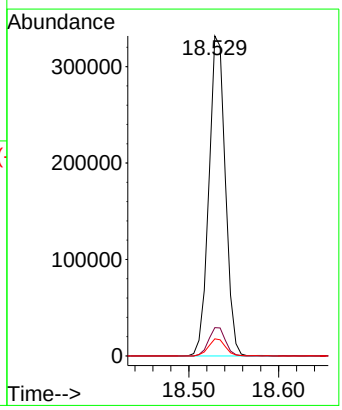
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

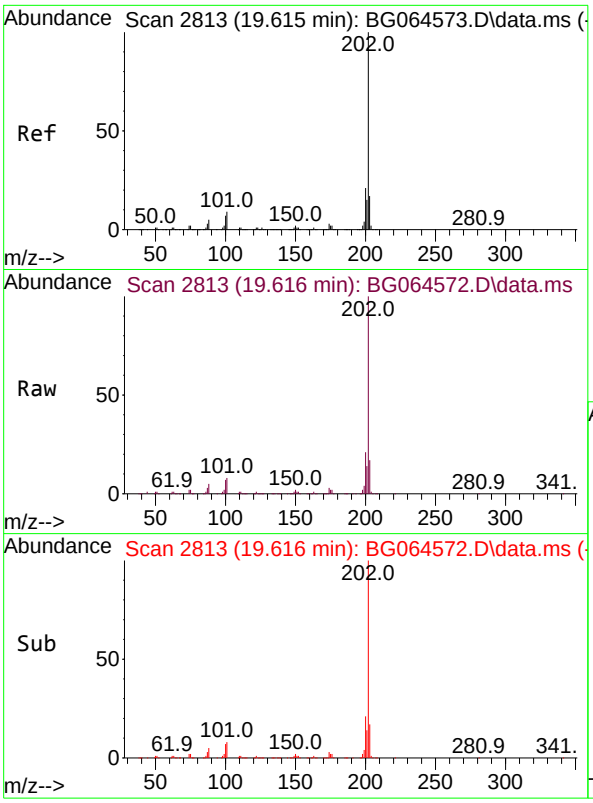


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

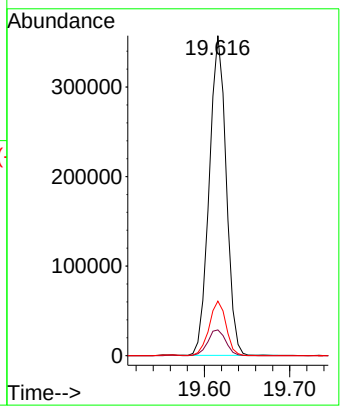




#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 49292

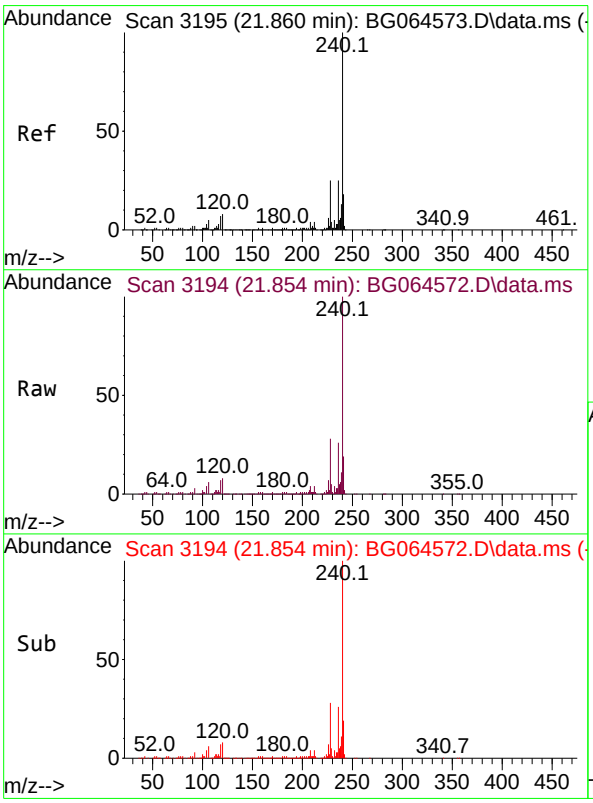
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

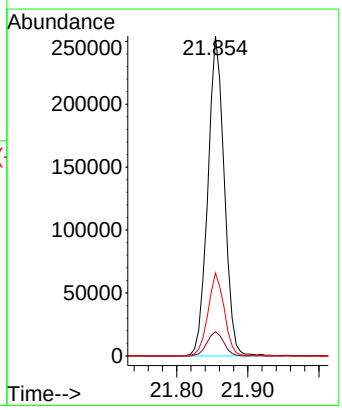
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

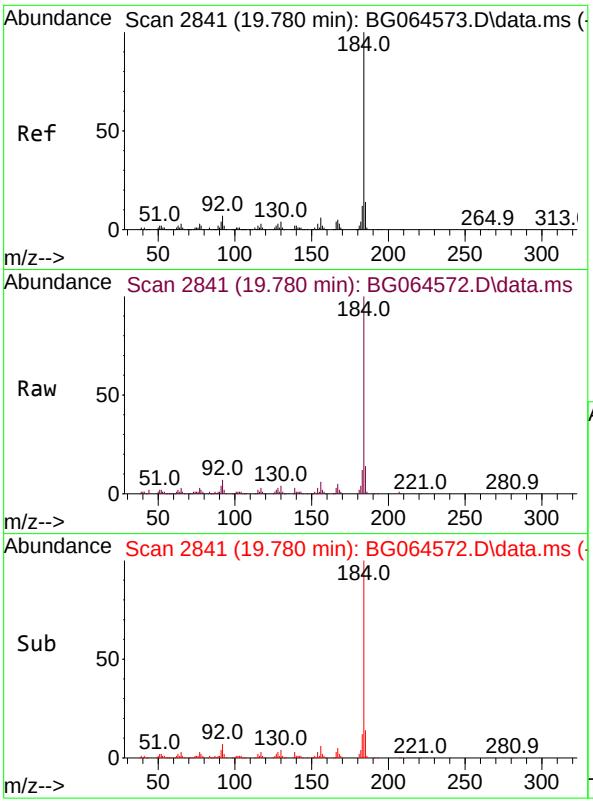


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

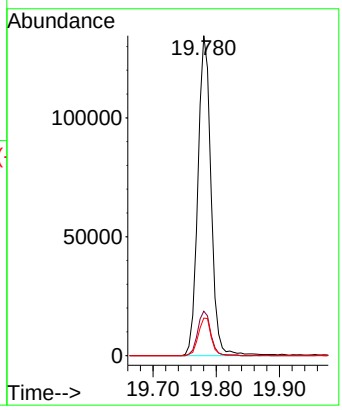




#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 19407

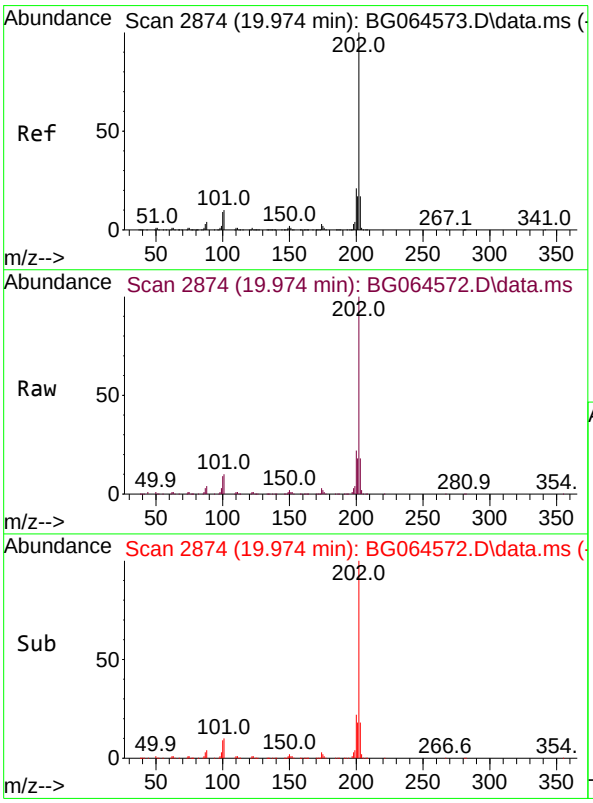
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.7	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

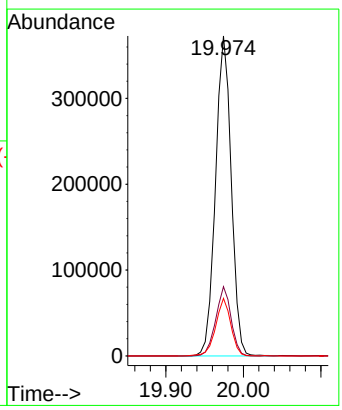
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

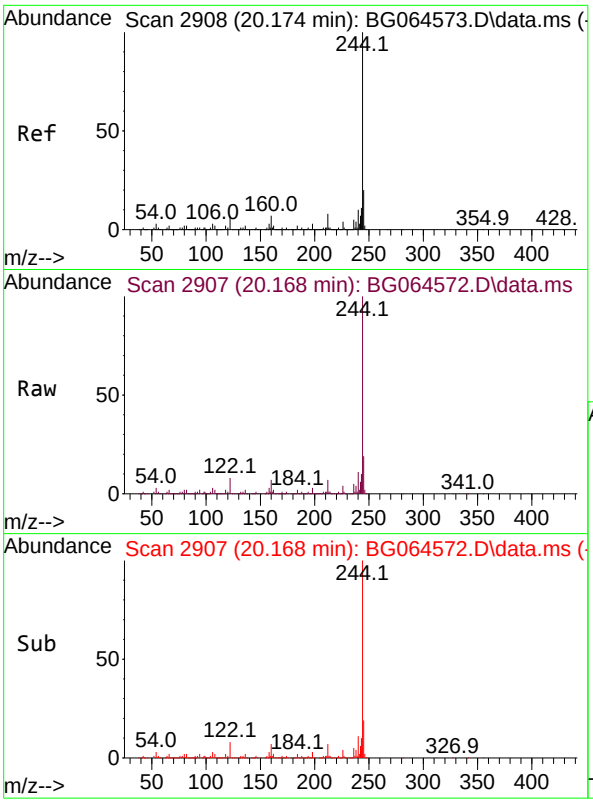


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

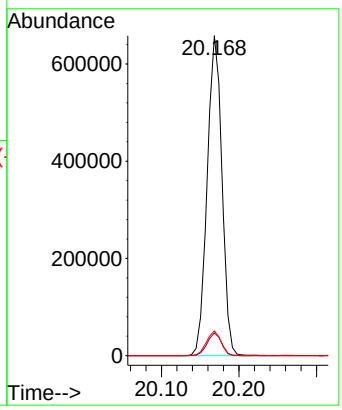




#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:244 Resp: 870741

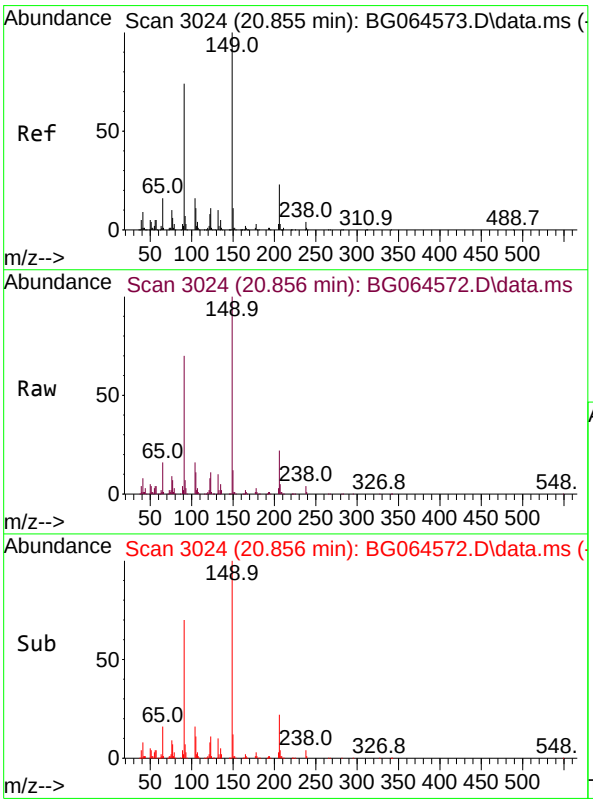
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

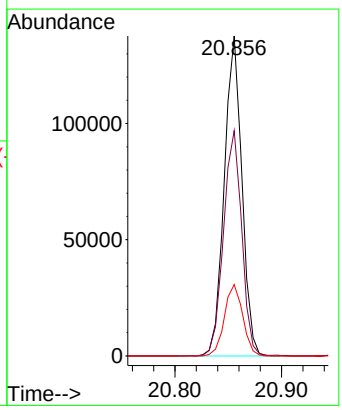
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

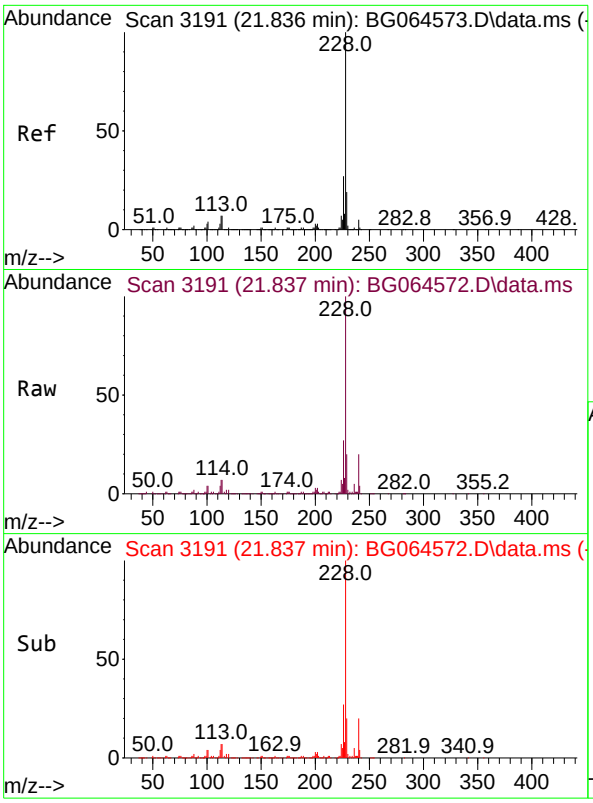


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

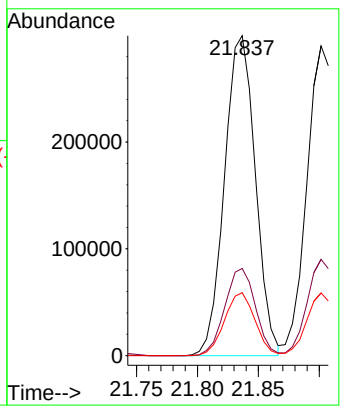




#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 52800

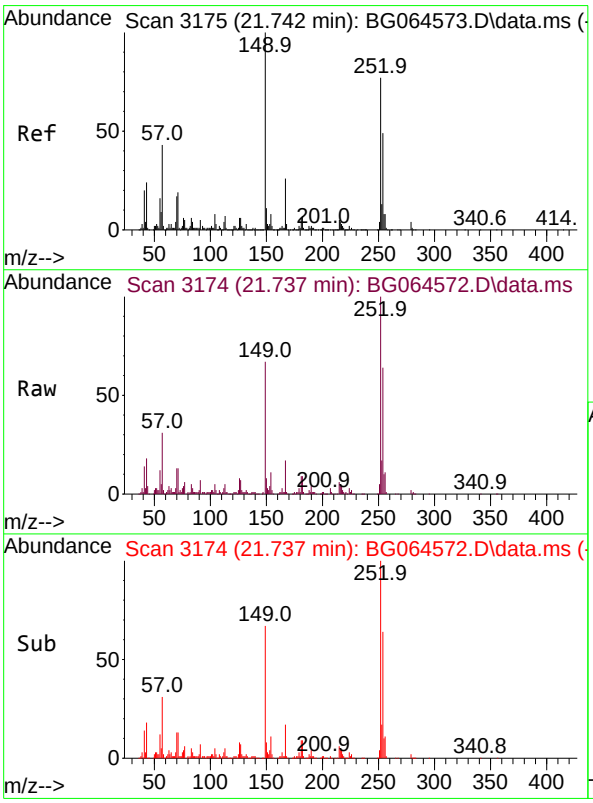
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

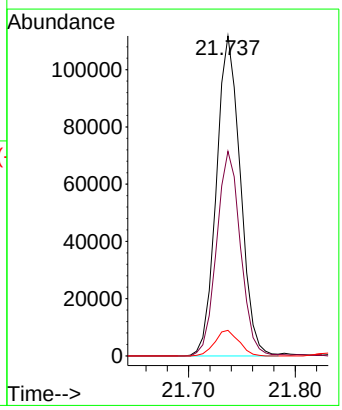
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

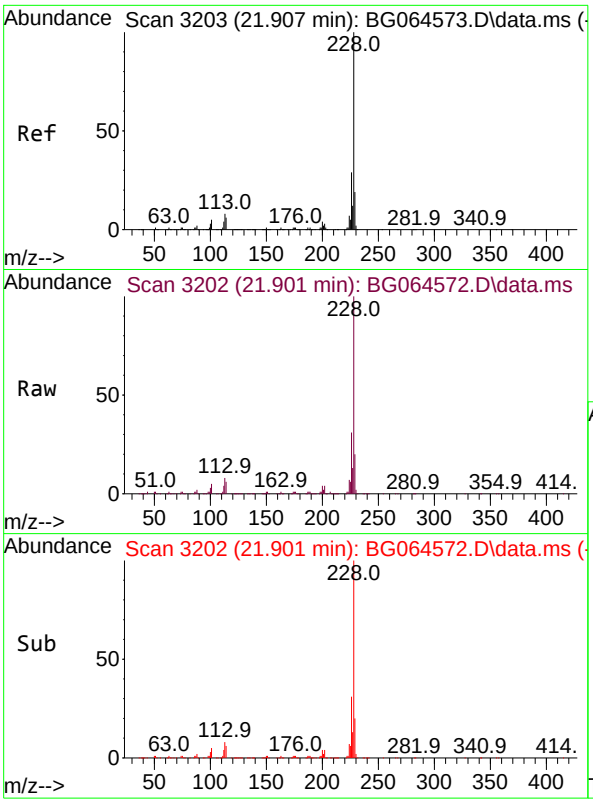


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

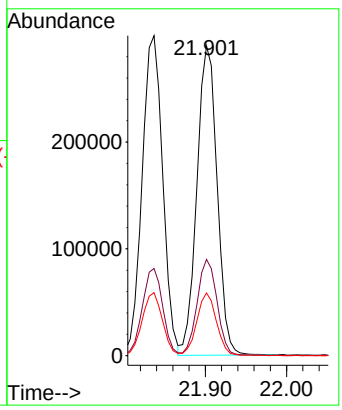




#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 50212

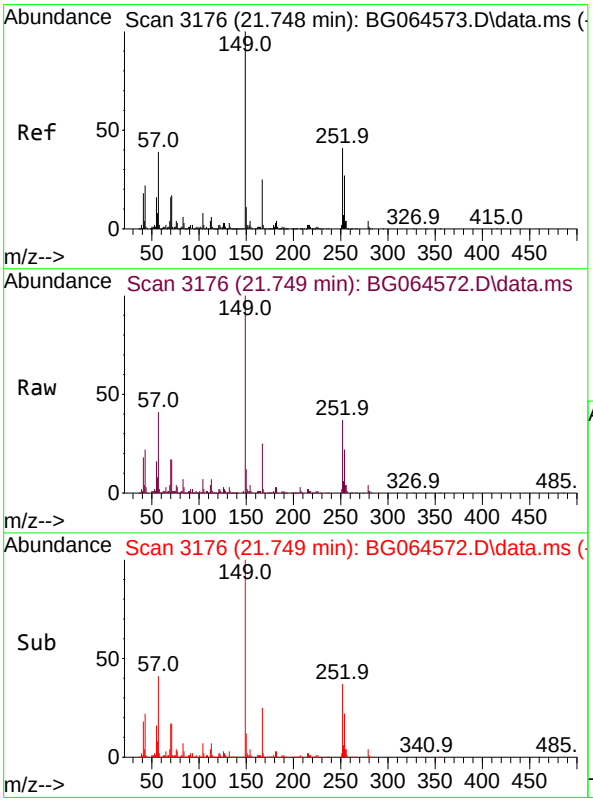
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

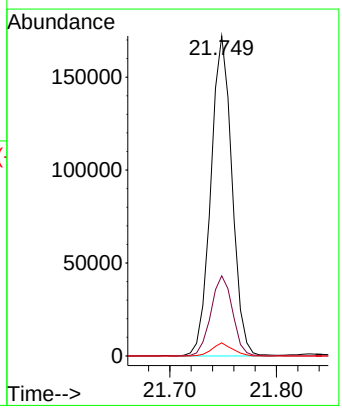
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

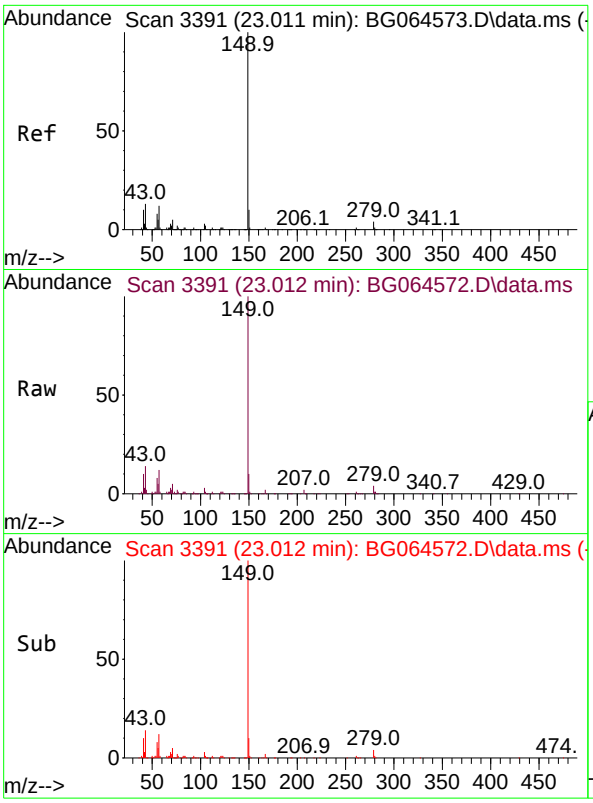


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

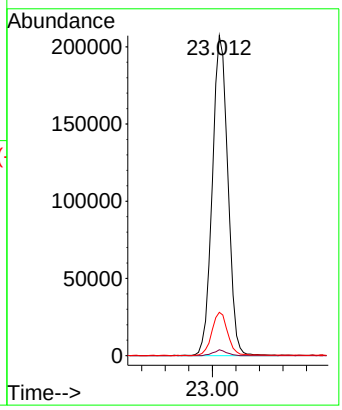




#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 38089

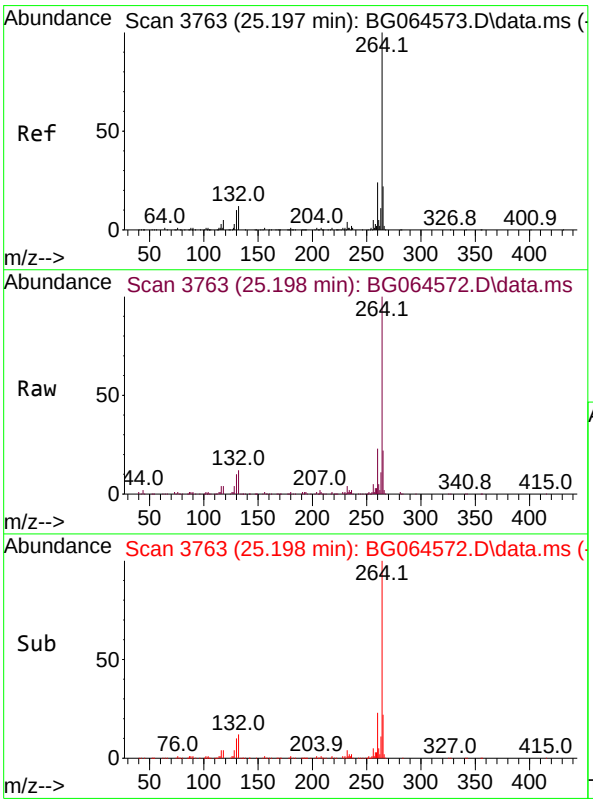
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

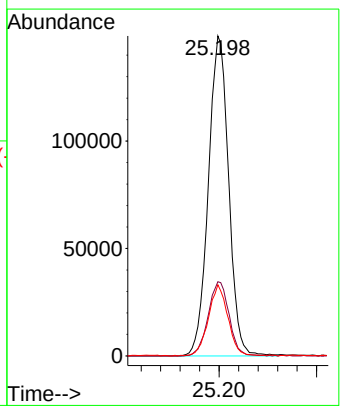
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

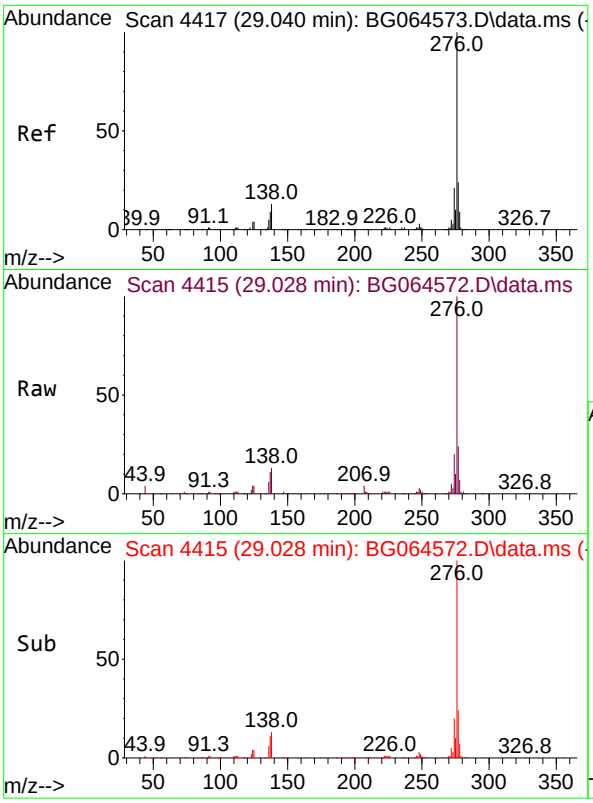


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

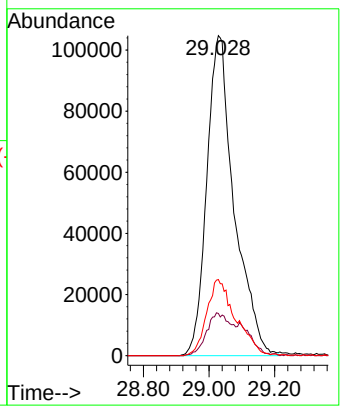




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

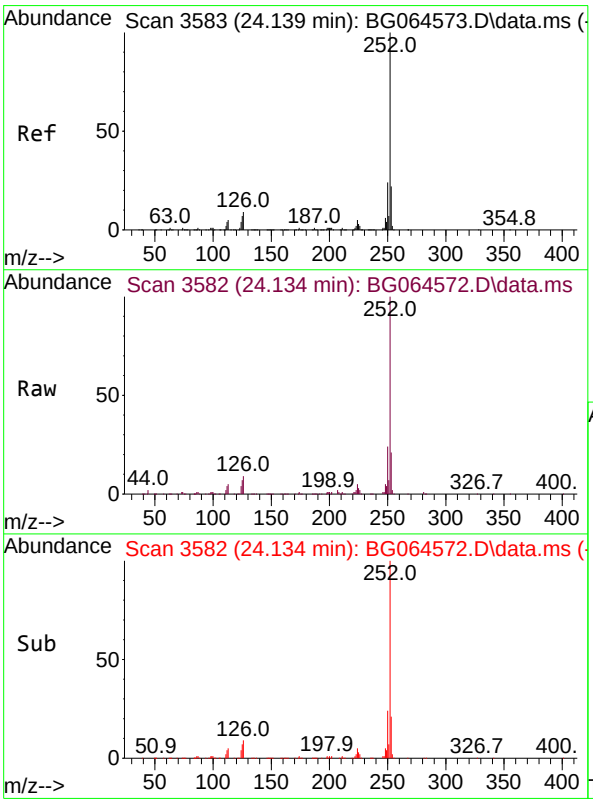
Tgt Ion:276 Resp: 606702

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

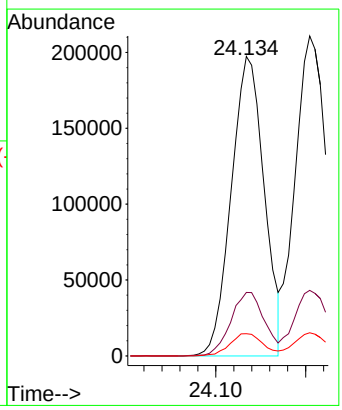
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

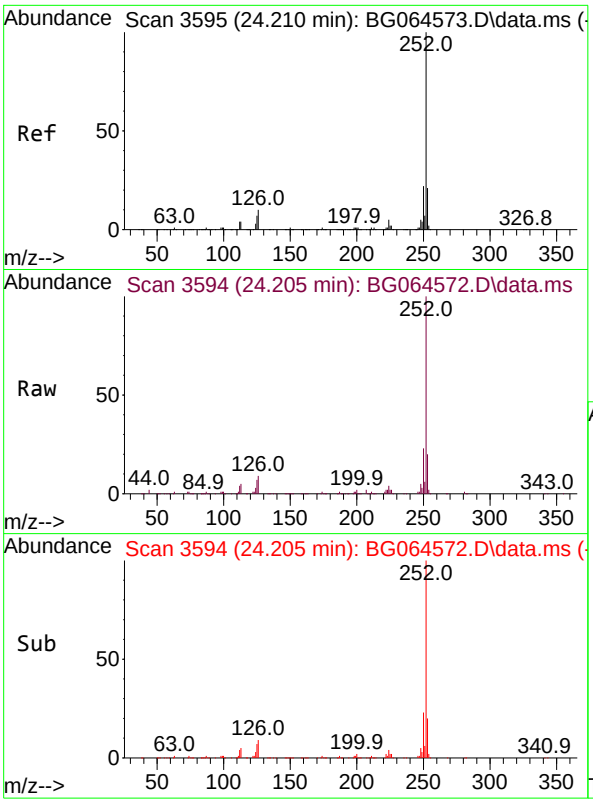


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

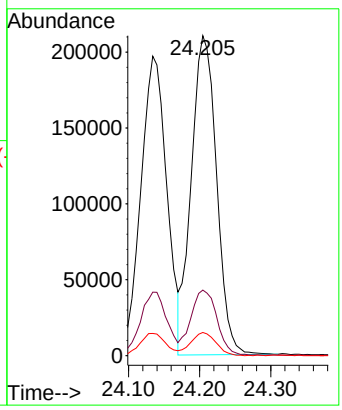




#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 51891

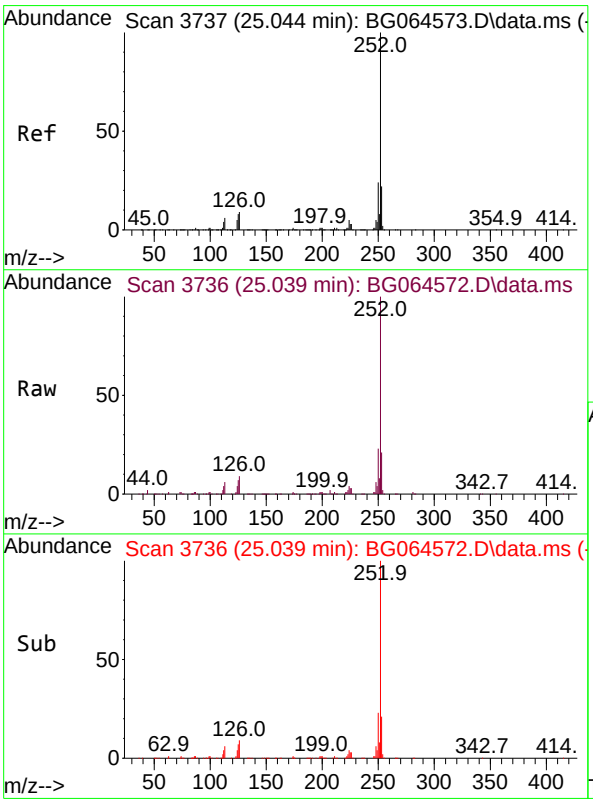
Ion	Ratio	Lower	Upper
252	100		
253	20.5	16.8	25.2
125	7.2	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

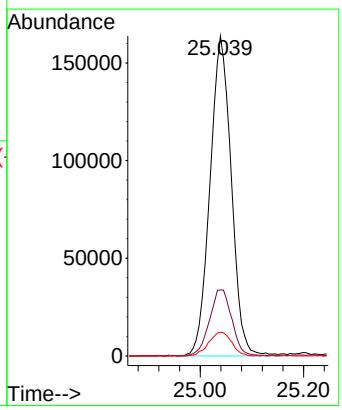
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

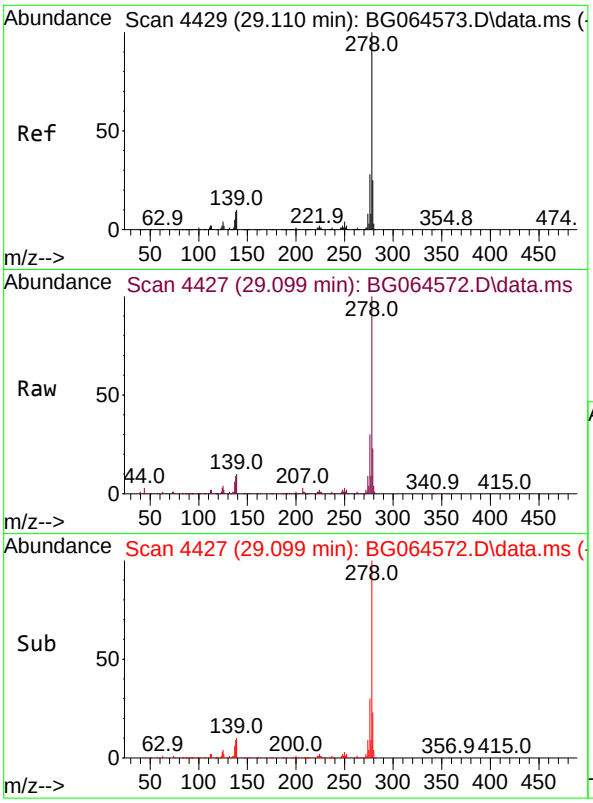


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

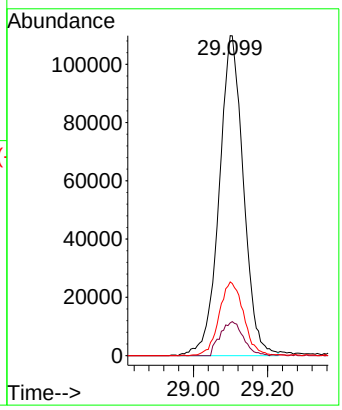




#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:278 Resp: 49839

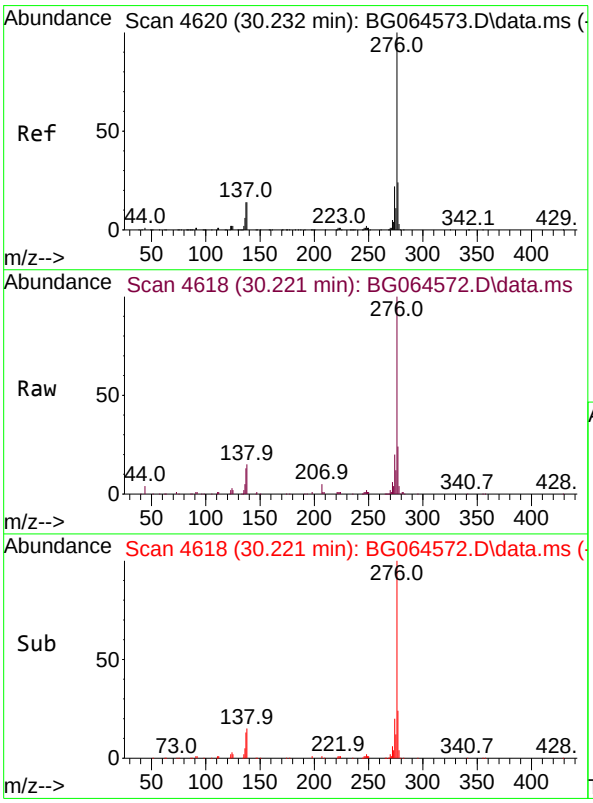
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

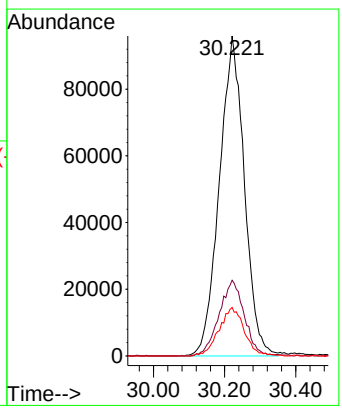
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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



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

ICAL Form

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

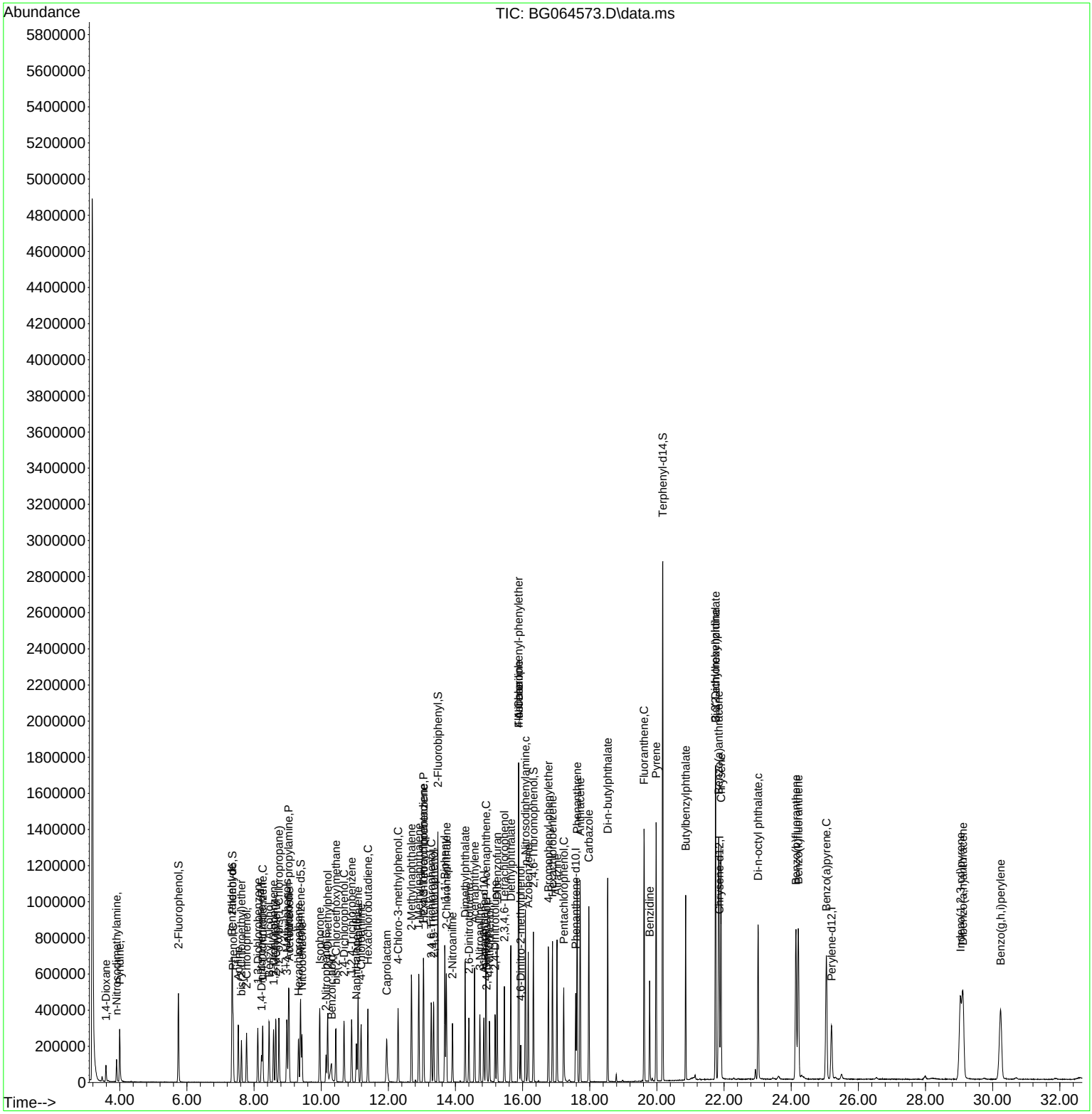
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

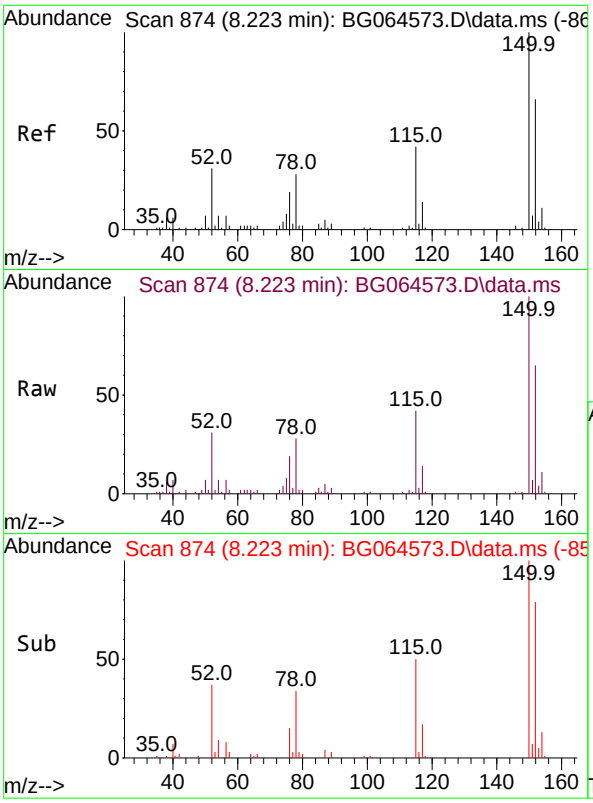
Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

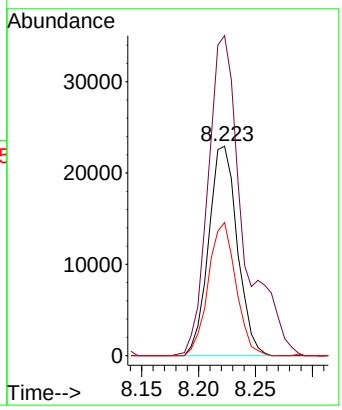




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 4019

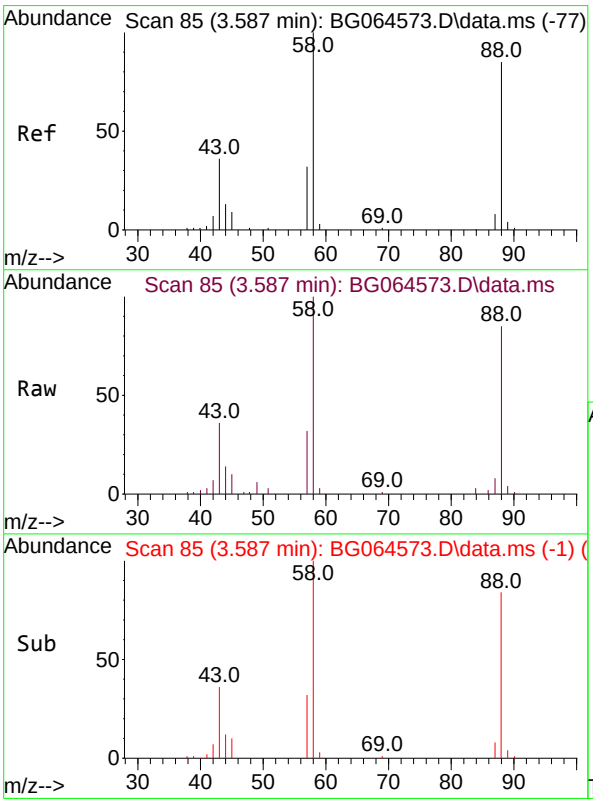
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	63.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

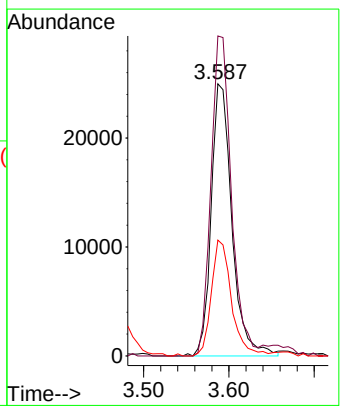
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

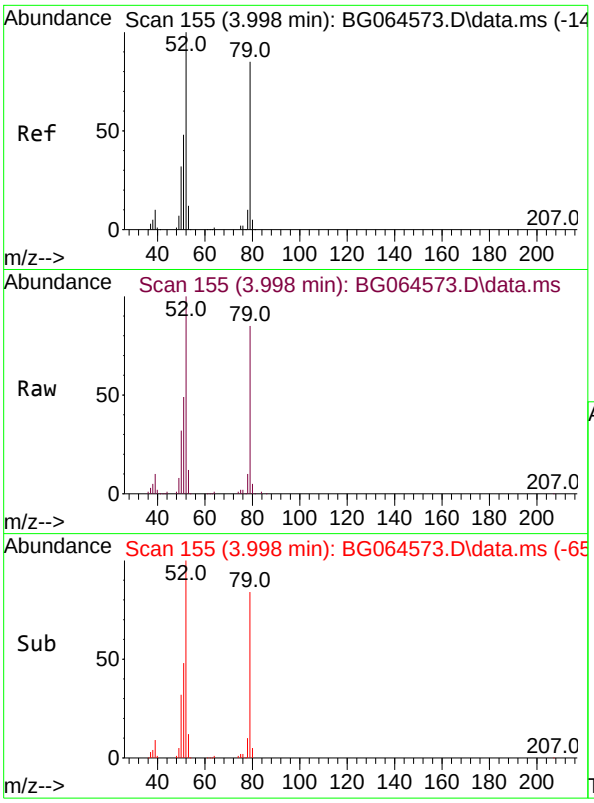


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

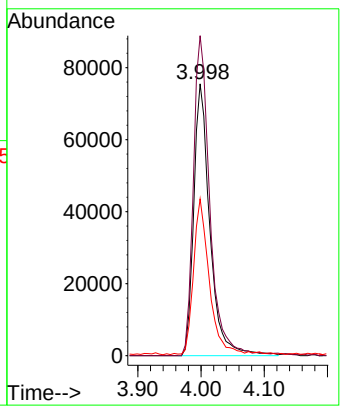




#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 13415

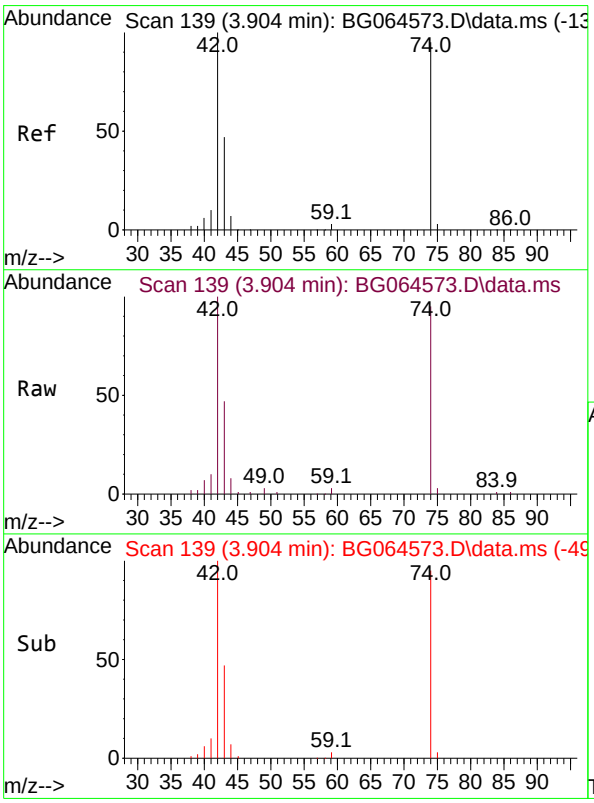
Ion	Ratio	Lower	Upper
79	100		
52	117.7	94.2	141.2
51	57.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

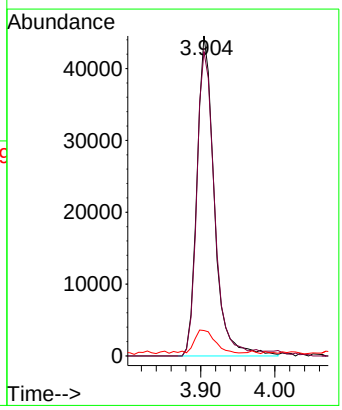
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

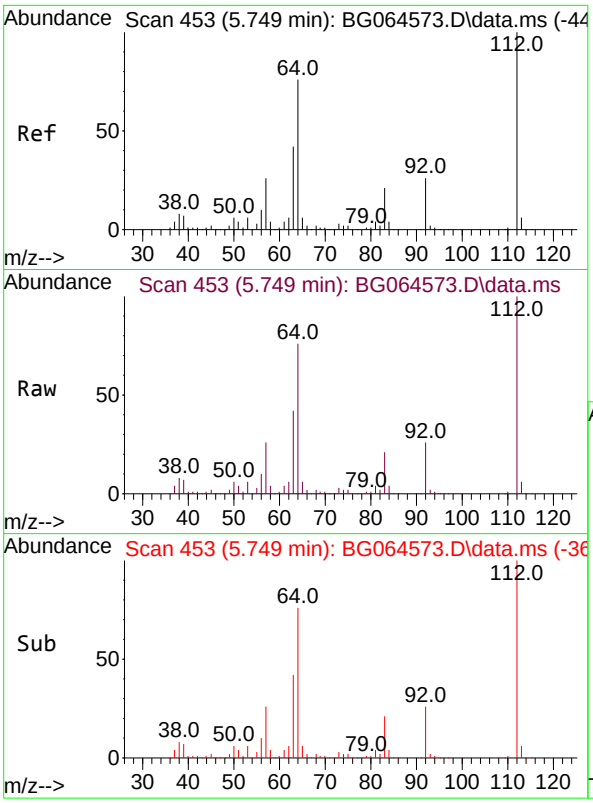


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

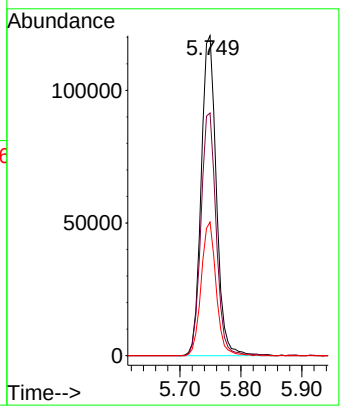




#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:112 Resp: 20780

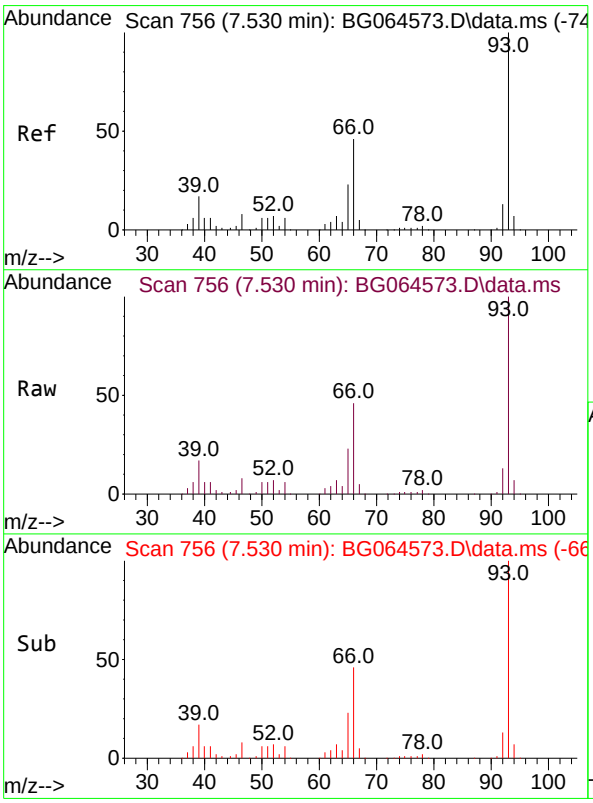
Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.7	91.1
63	41.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

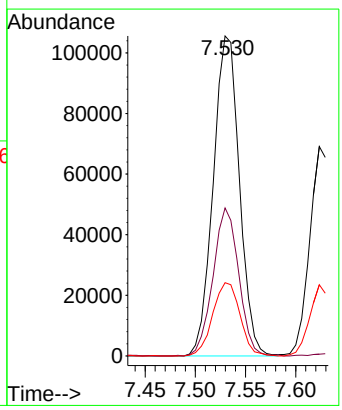
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

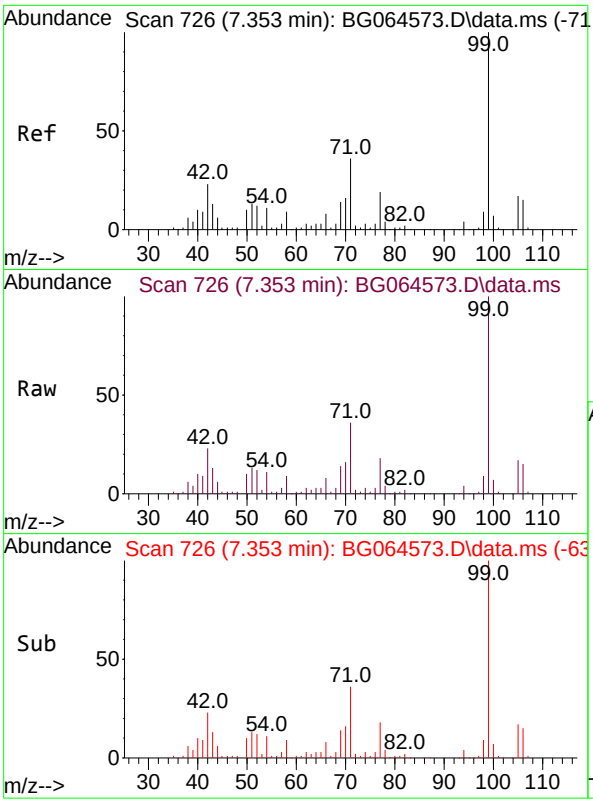


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

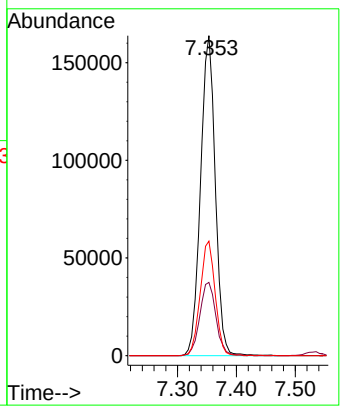




#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 99 Resp: 28469

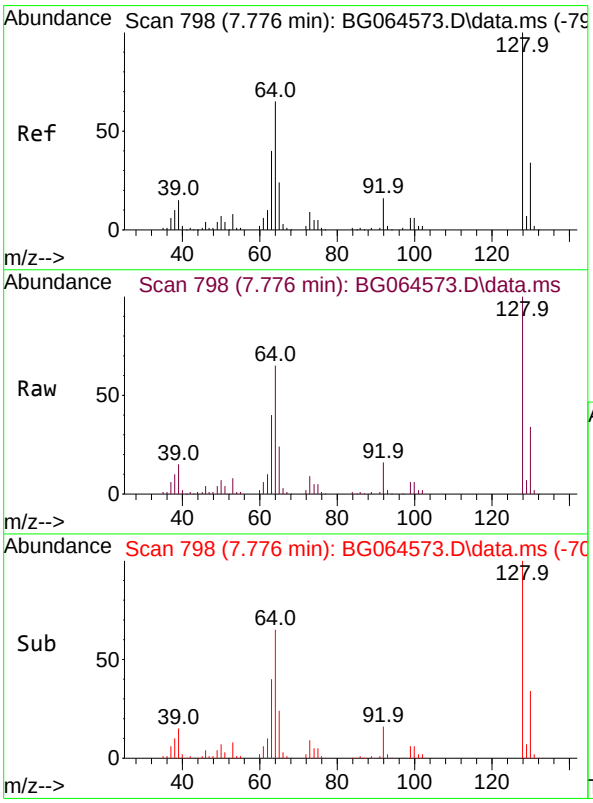
Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.3	27.5
71	35.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

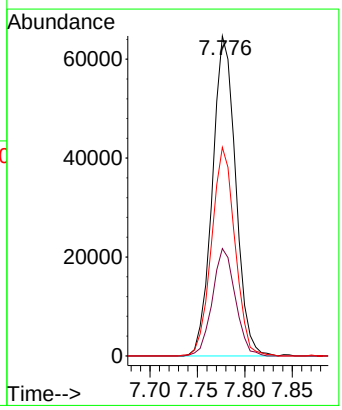
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

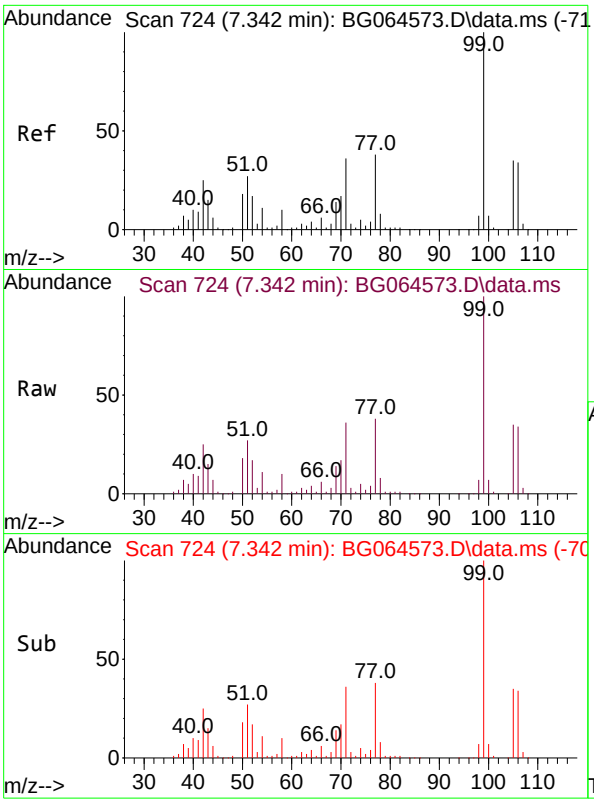


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

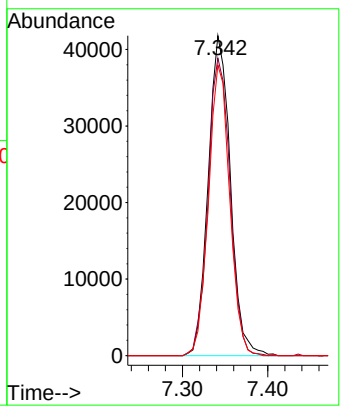




#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 7555

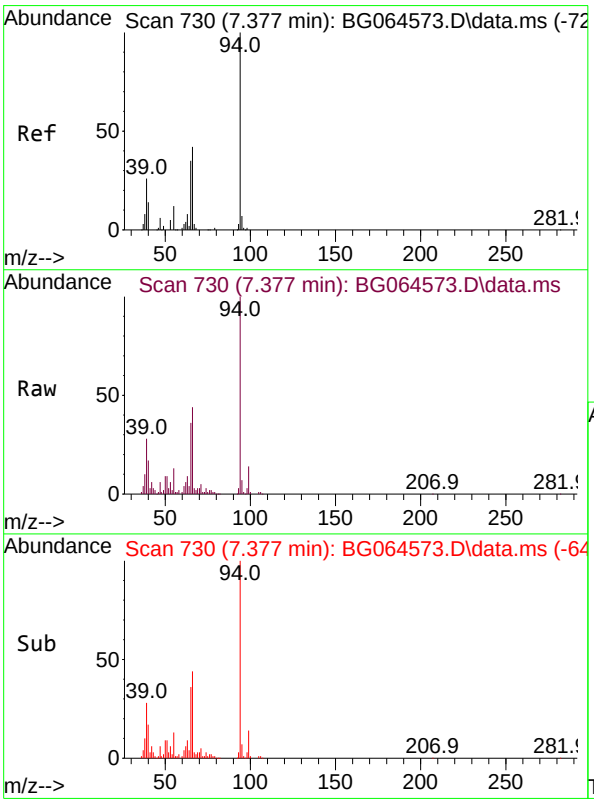
Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.8	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

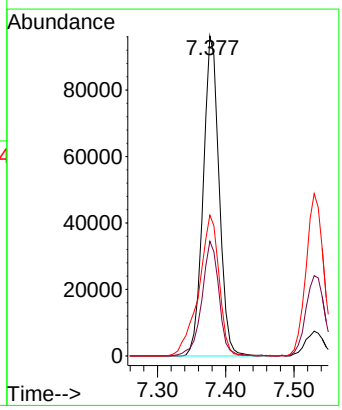
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

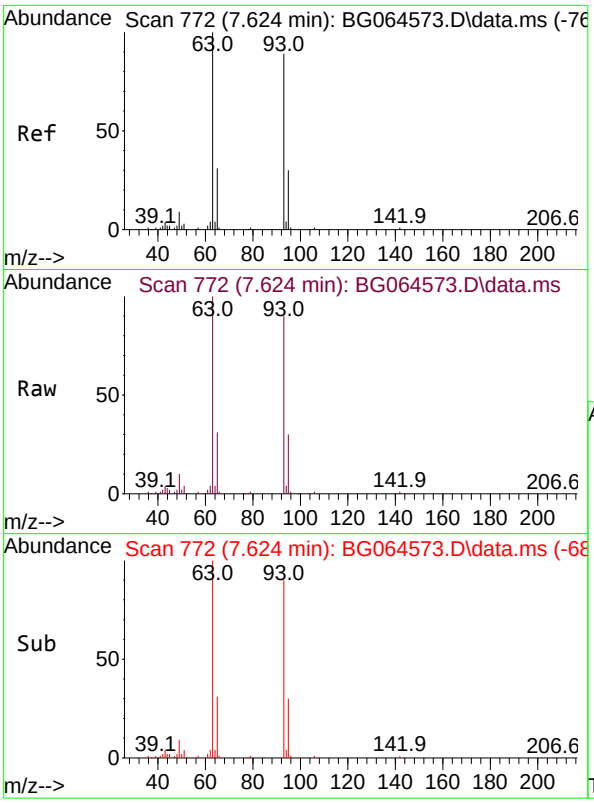


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

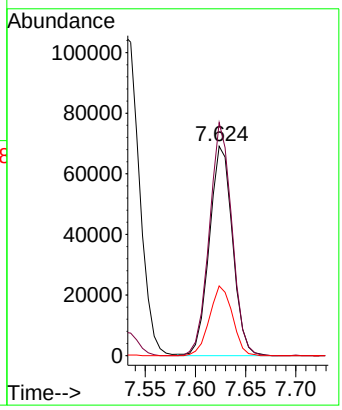




#11
bis(2-Chloroethyl)ether
Concen: 41.613 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 11118

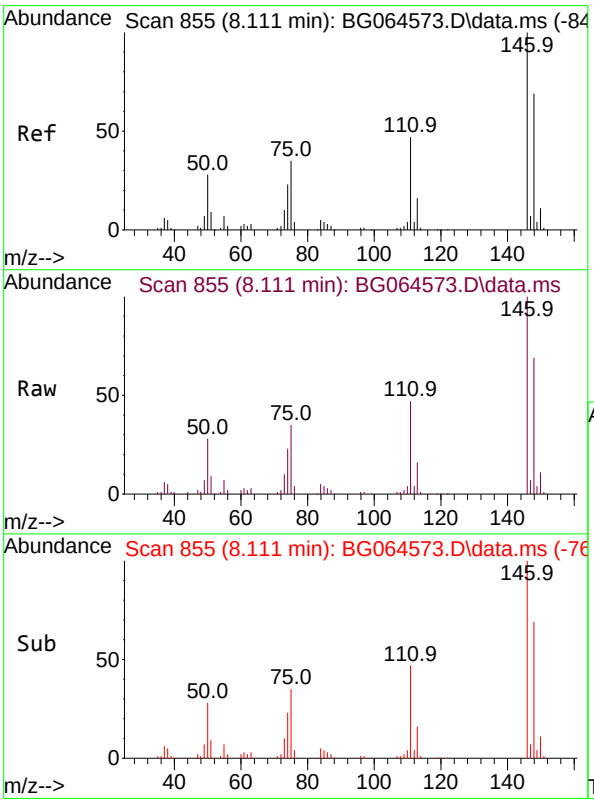
Ion	Ratio	Lower	Upper
93	100		
63	111.3	91.3	131.3
95	33.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

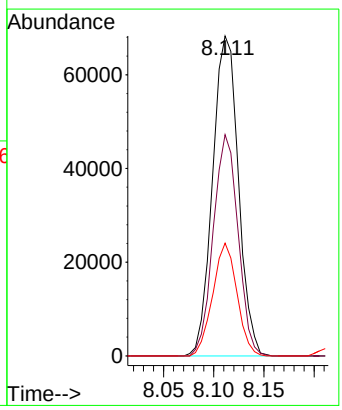
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

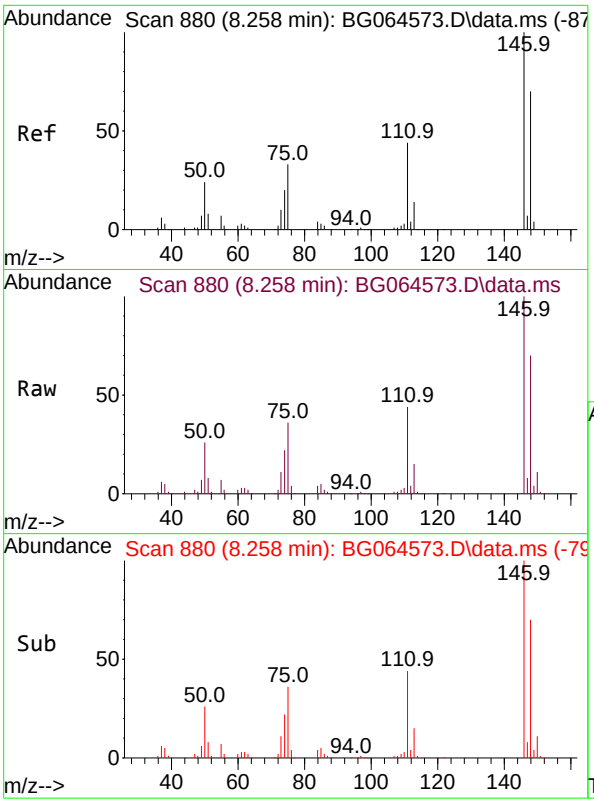


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

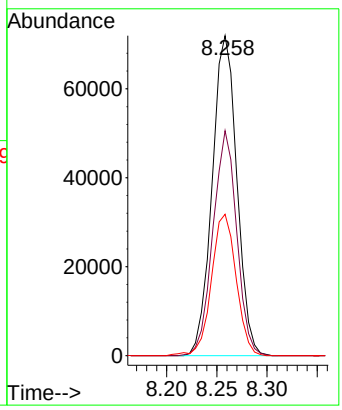




#13
1,4-Dichlorobenzene
Concen: 42.037 ng
RT: 8.258 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 12331

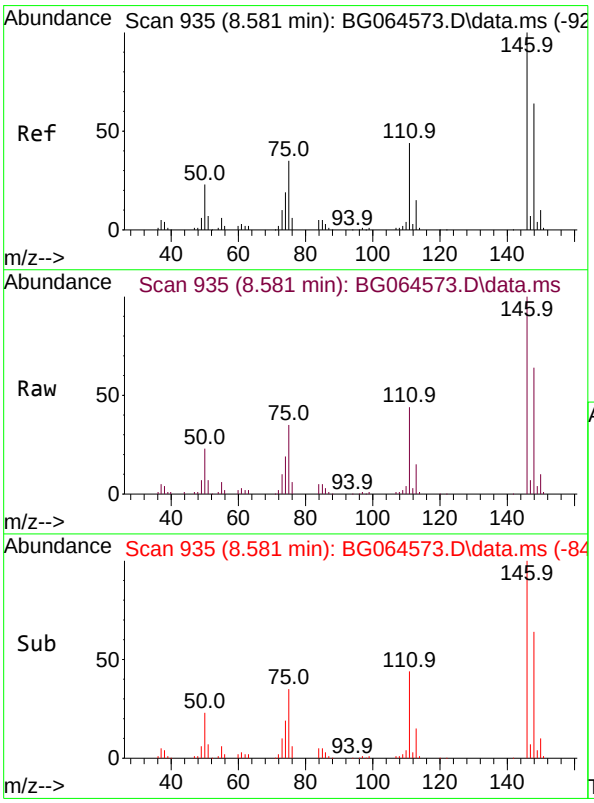
Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

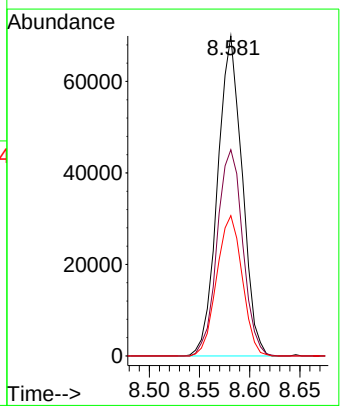
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

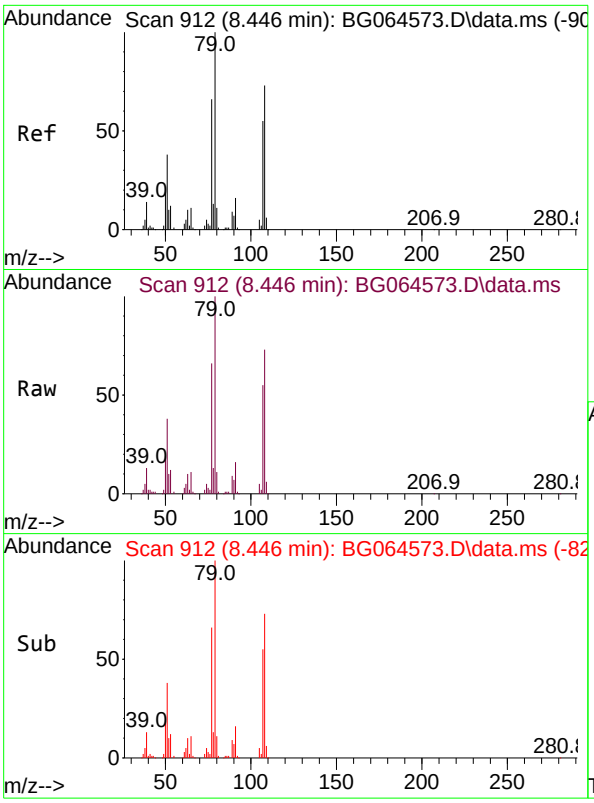


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

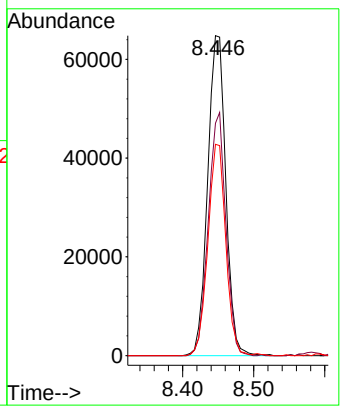




#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 11452

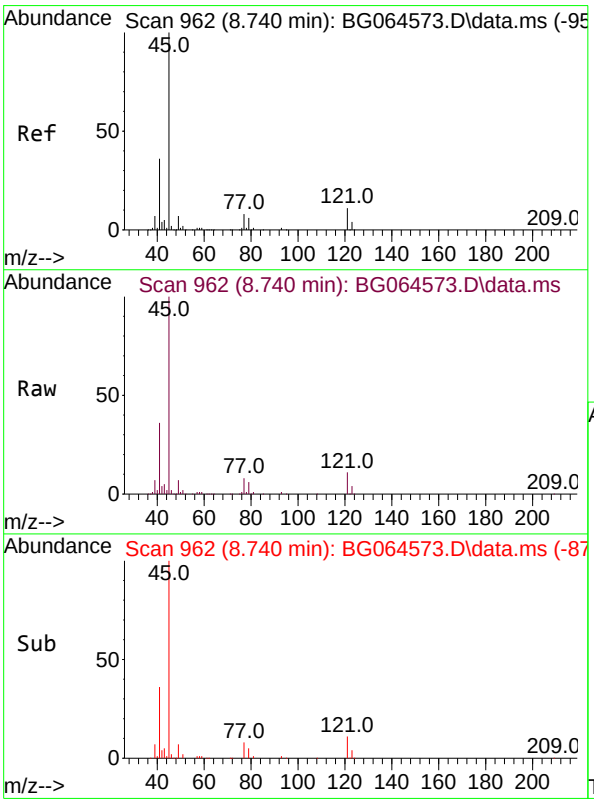
Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

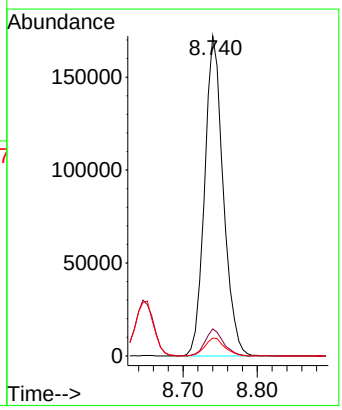
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

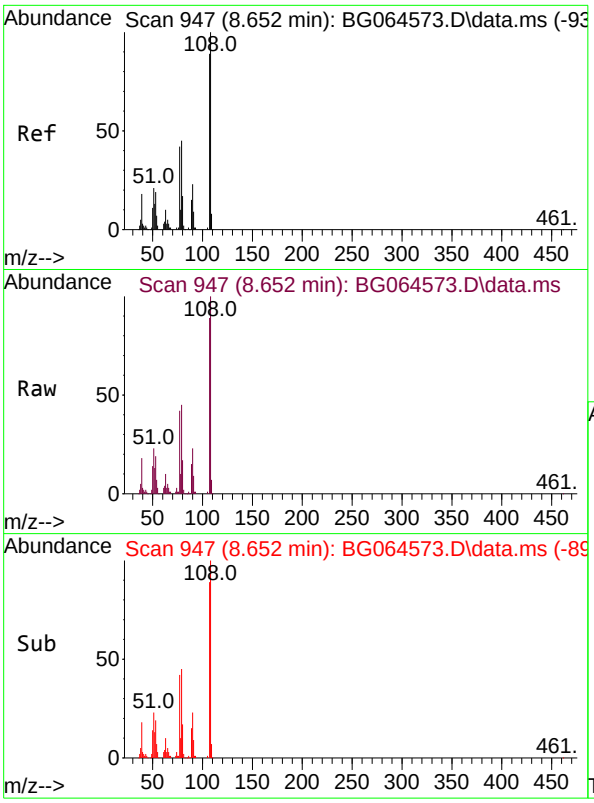


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

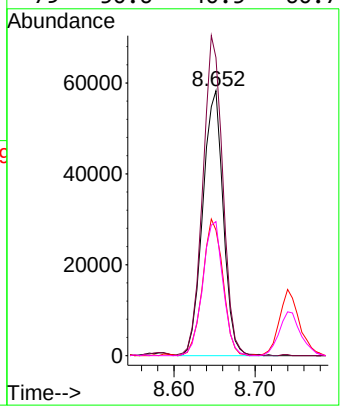




#17
2-Methylphenol
Concen: 42.405 ng
RT: 8.652 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 10231

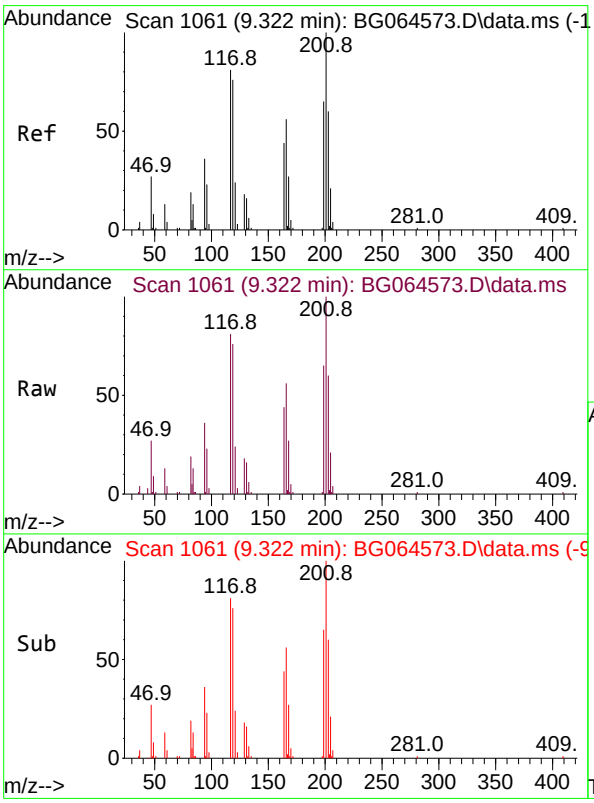
Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	47.3	37.8	56.8
79	50.6	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

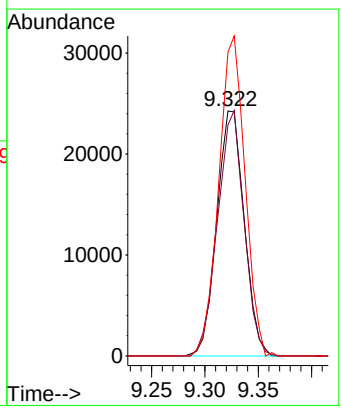
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

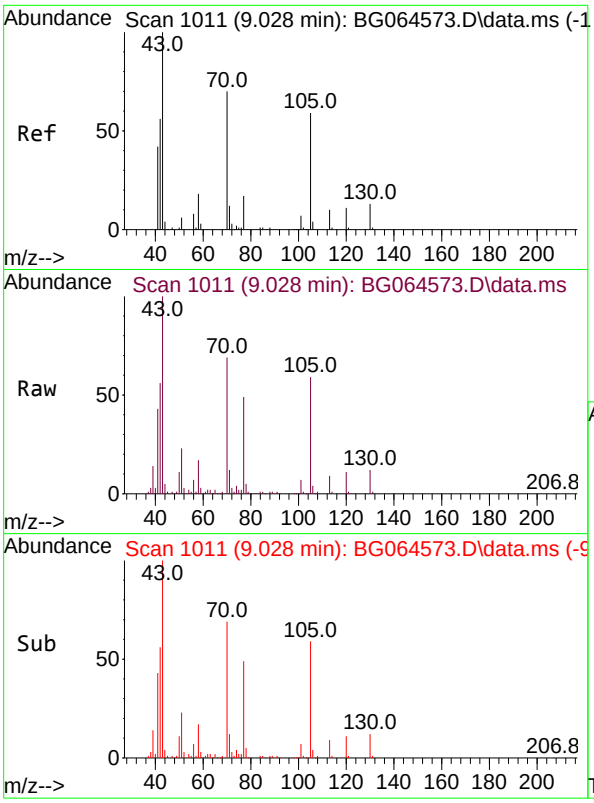


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

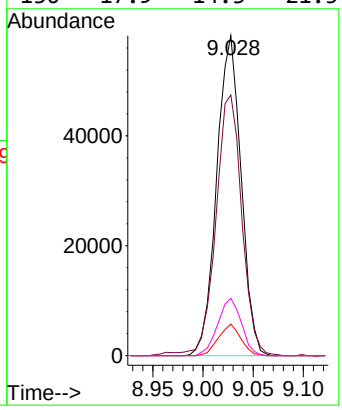




#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

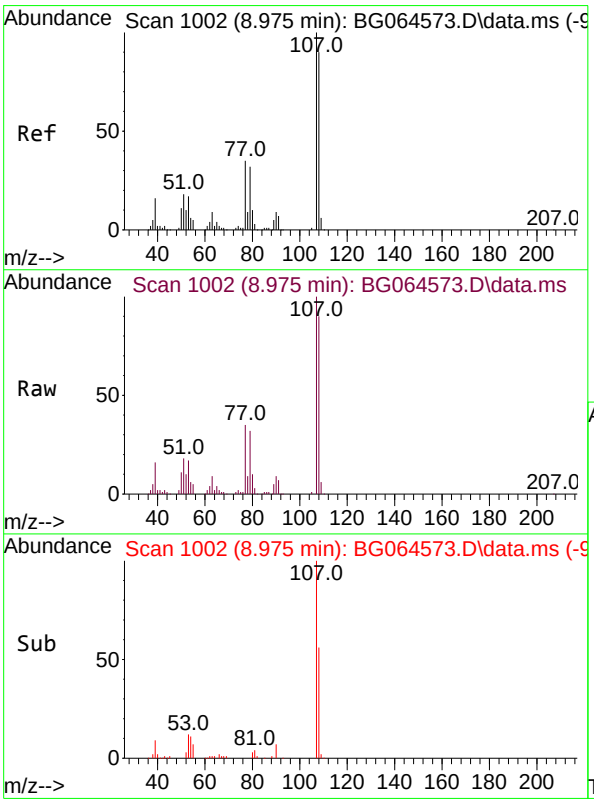
Tgt Ion: 70 Resp: 9864

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 :
BNA_G
ClientSampleId :
SSTDICCC040

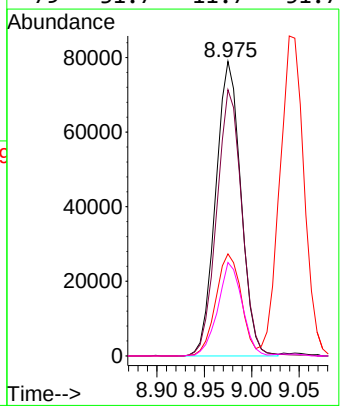
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

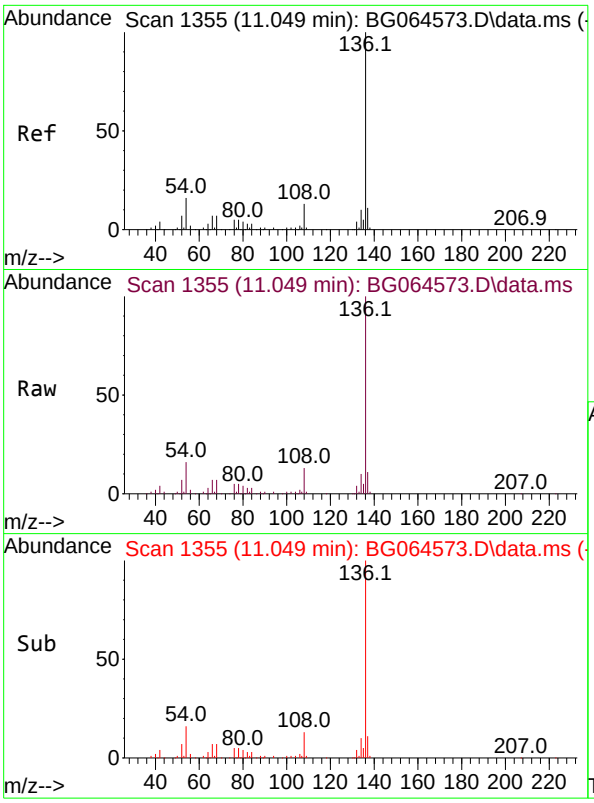


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

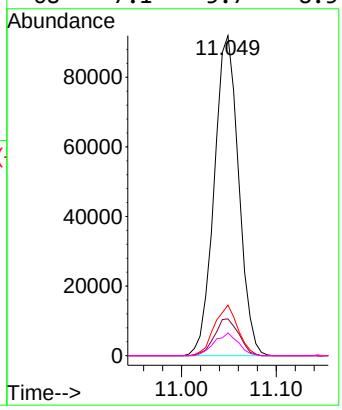




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:136 Resp: 16479

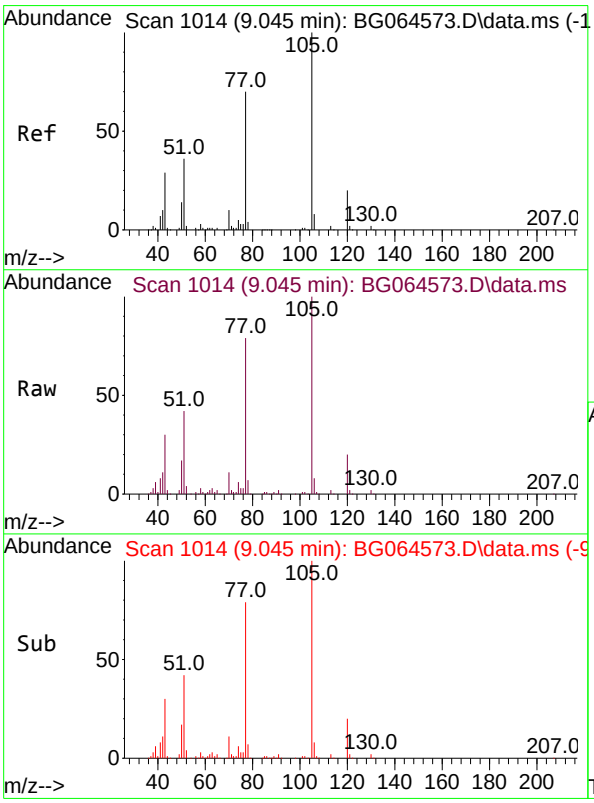
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	15.8	12.6	19.0
68	7.1	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

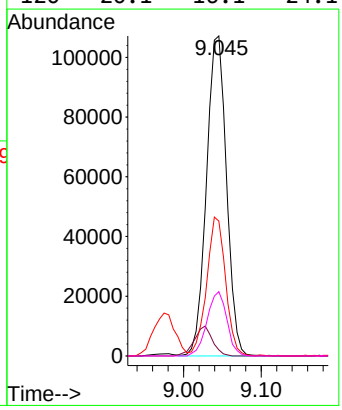
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

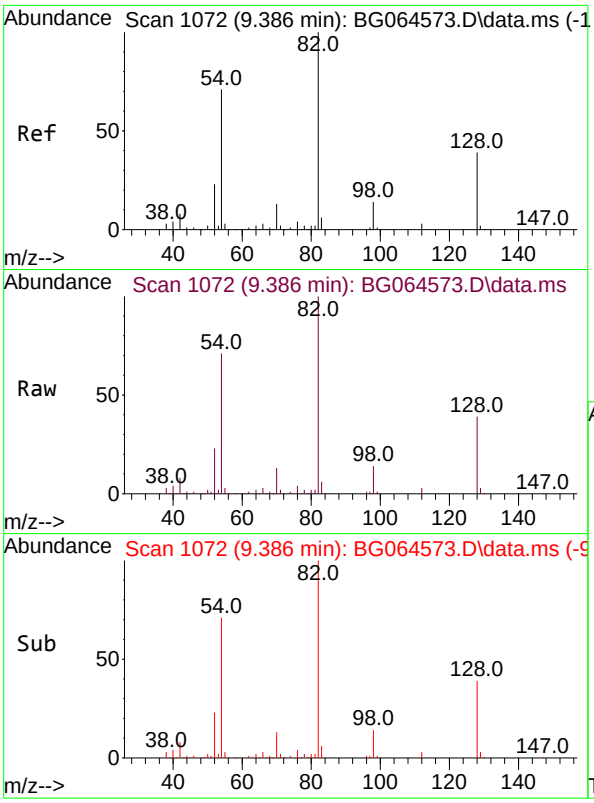


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

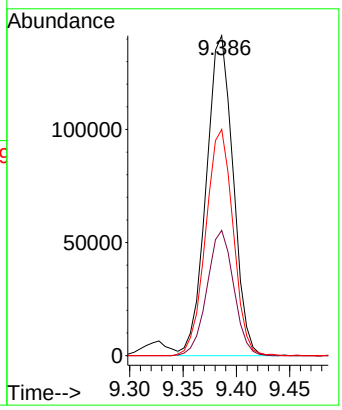




#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 248341

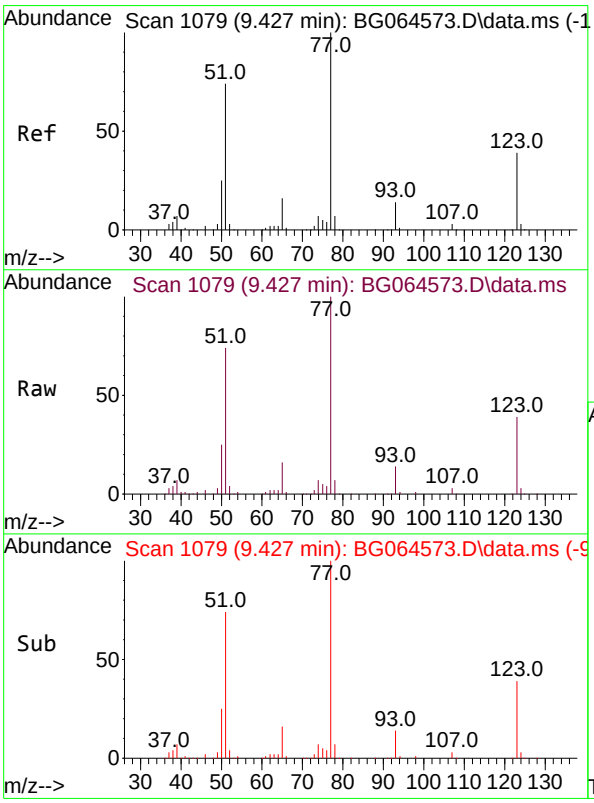
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

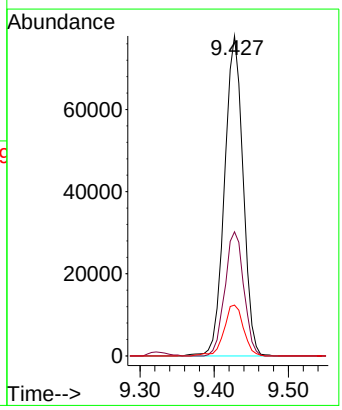
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

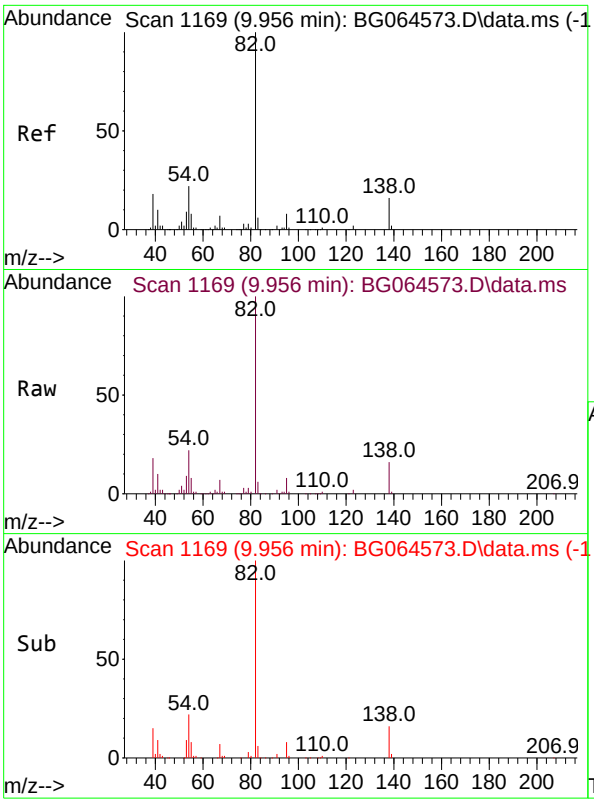


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

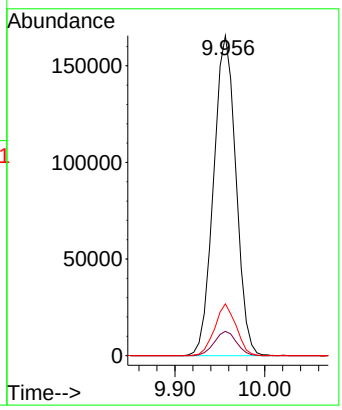




#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 28643

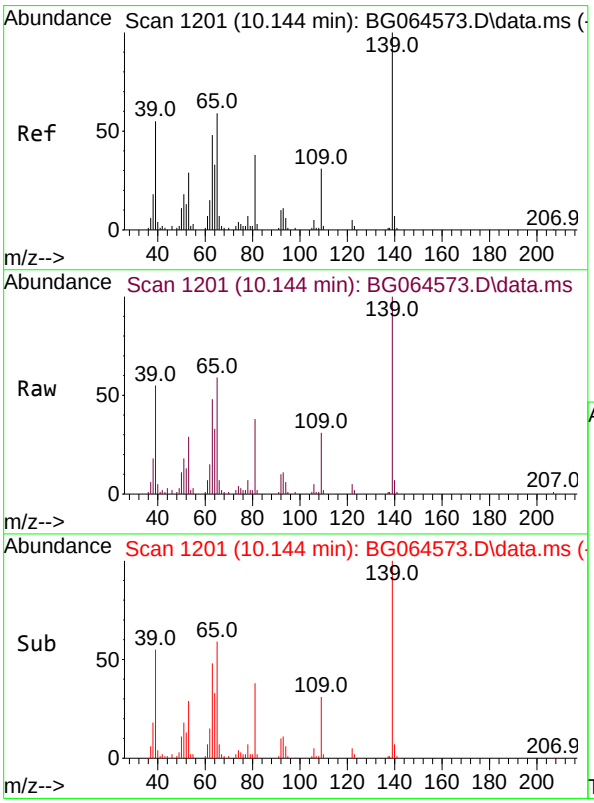
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

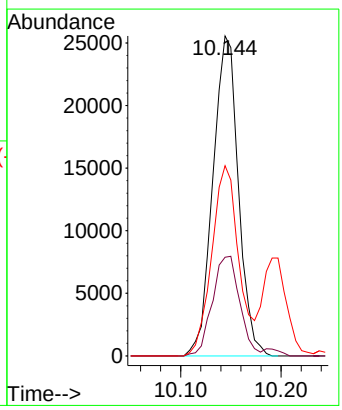
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

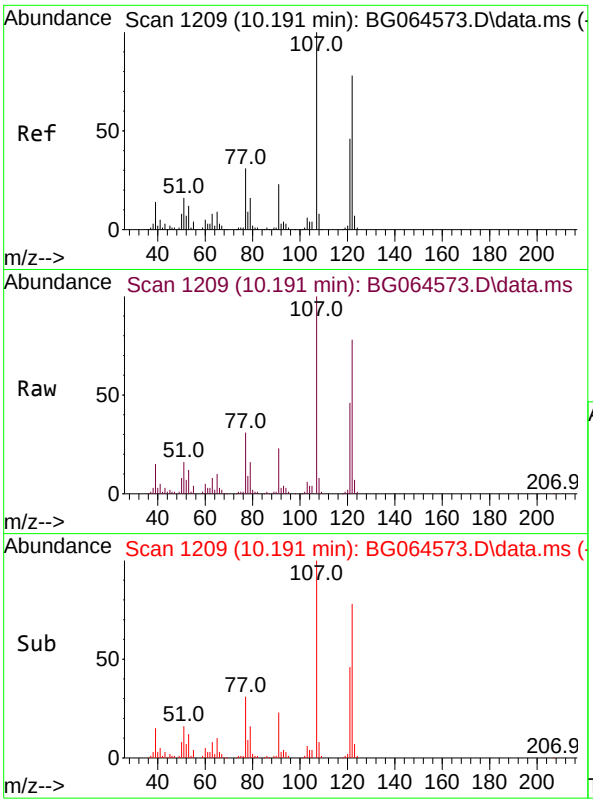


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

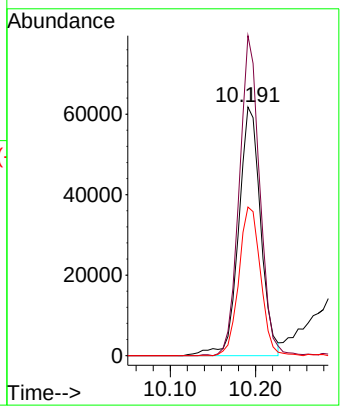




#27
2,4-Dimethylphenol
Concen: 45.129 ng
RT: 10.191 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 11051

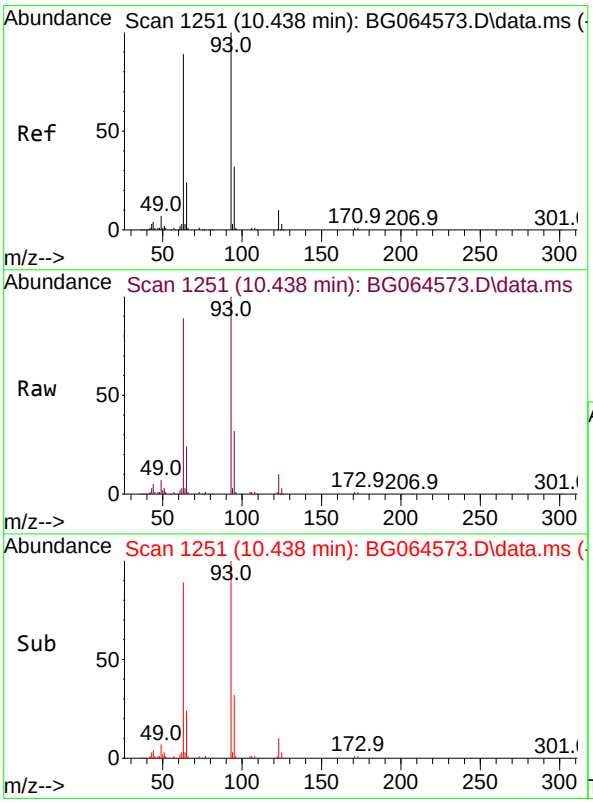
Ion	Ratio	Lower	Upper
122	100		
107	128.7	103.0	154.4
121	59.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

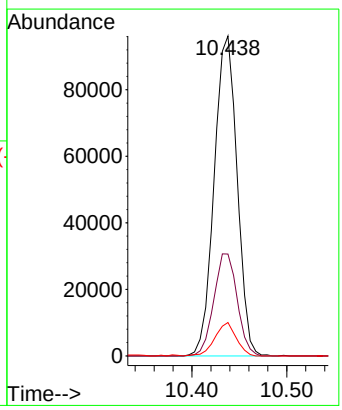
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

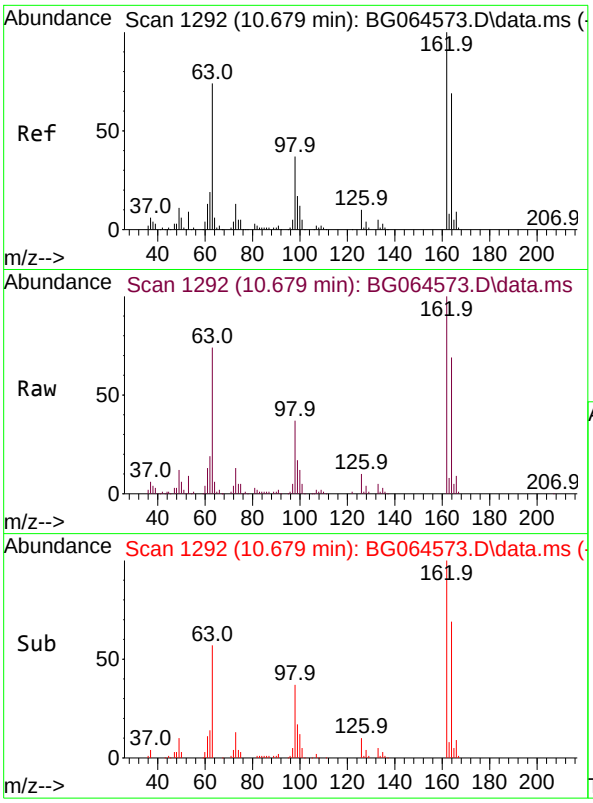


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

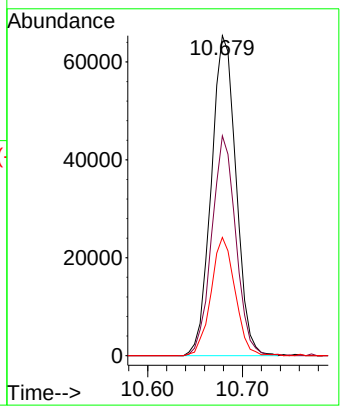




#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 11866

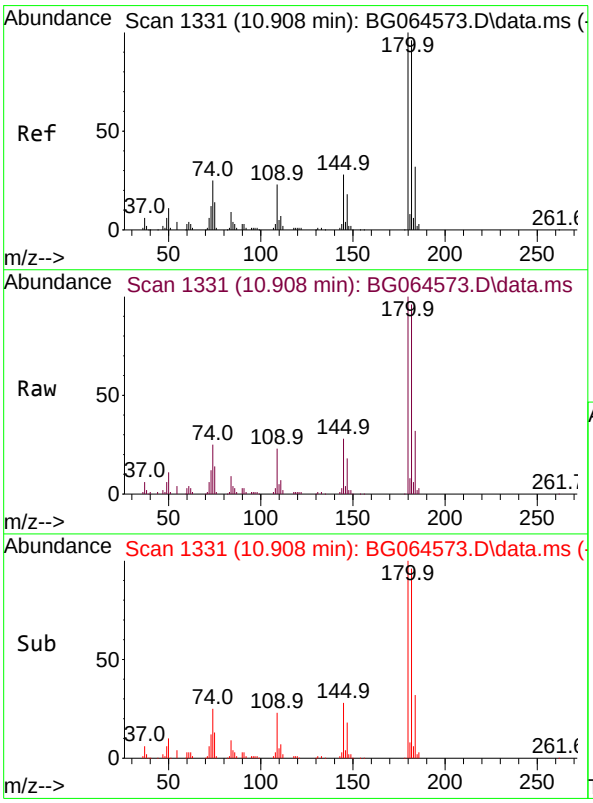
Ion	Ratio	Lower	Upper
162	100		
164	68.7	48.7	88.7
98	36.9	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

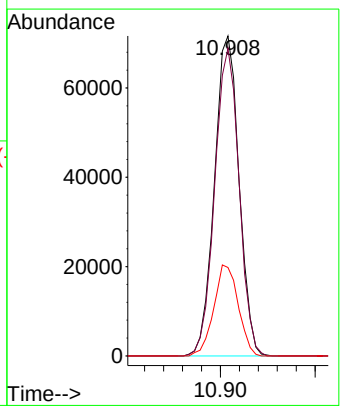
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

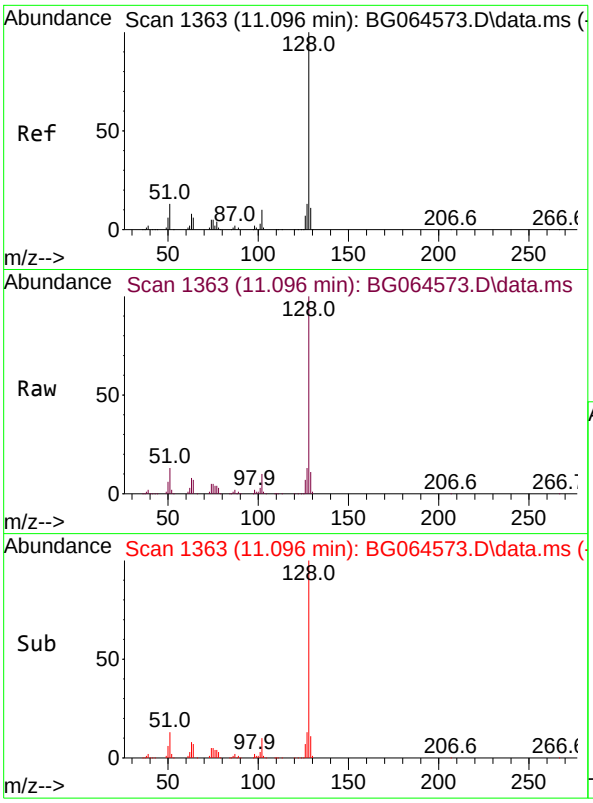


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

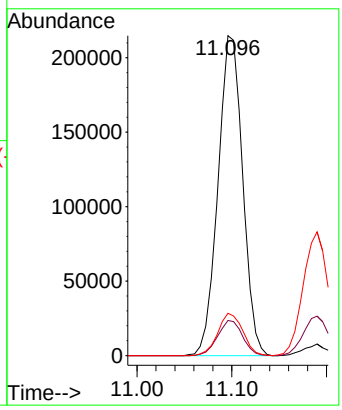




#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 38803

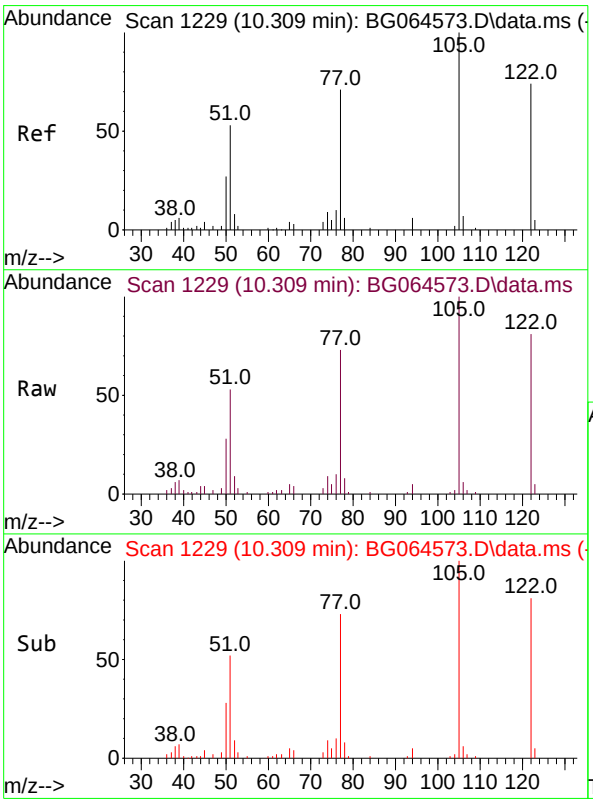
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

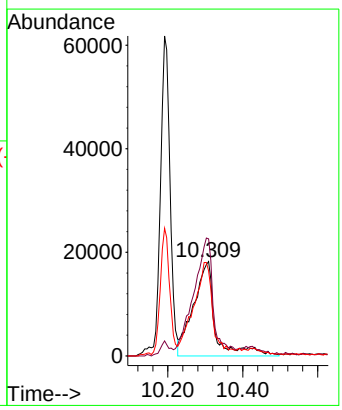
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

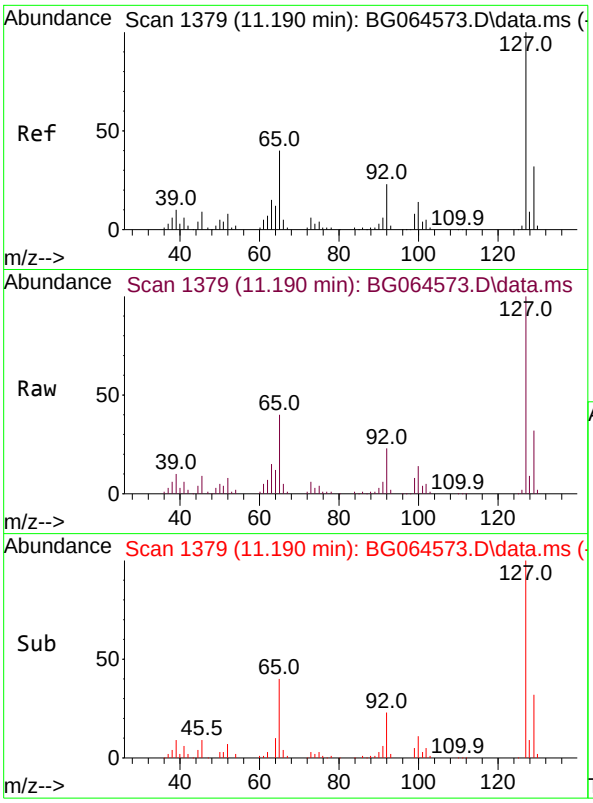


#32
Benzoic acid
Concen: 40.425 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

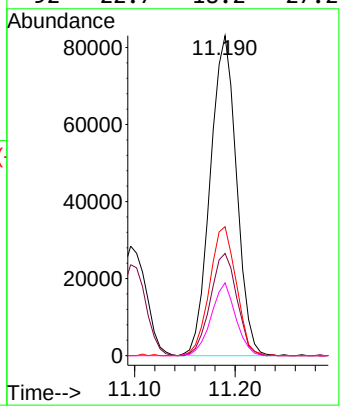




#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:127 Resp: 15123

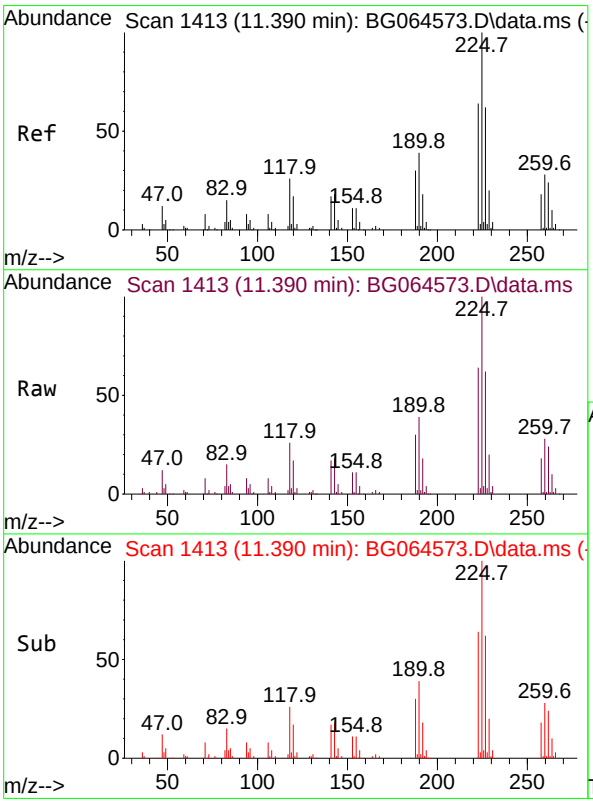
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.3	32.2	48.4
92	22.7	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

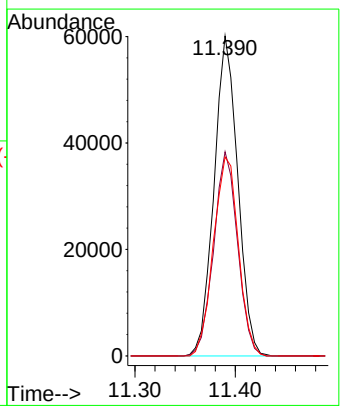
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

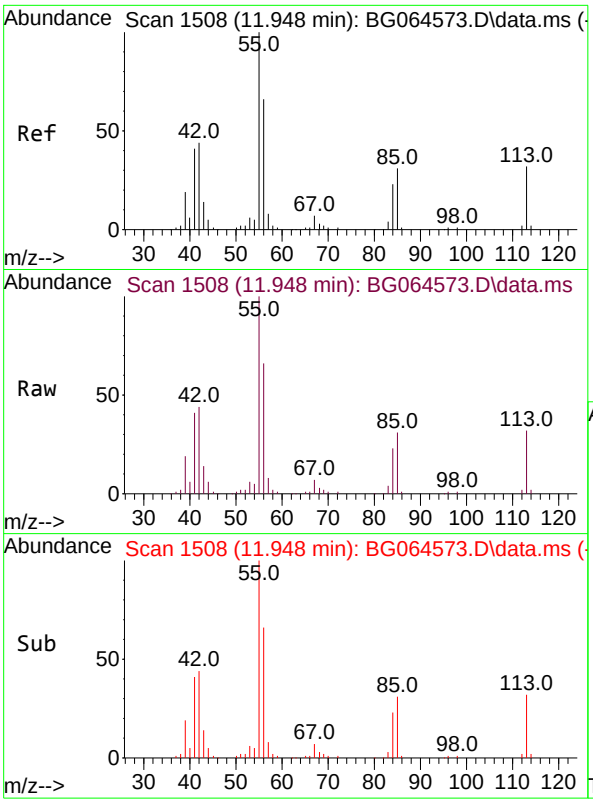


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

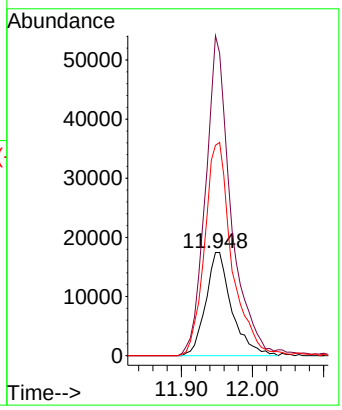




#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:113 Resp: 4420

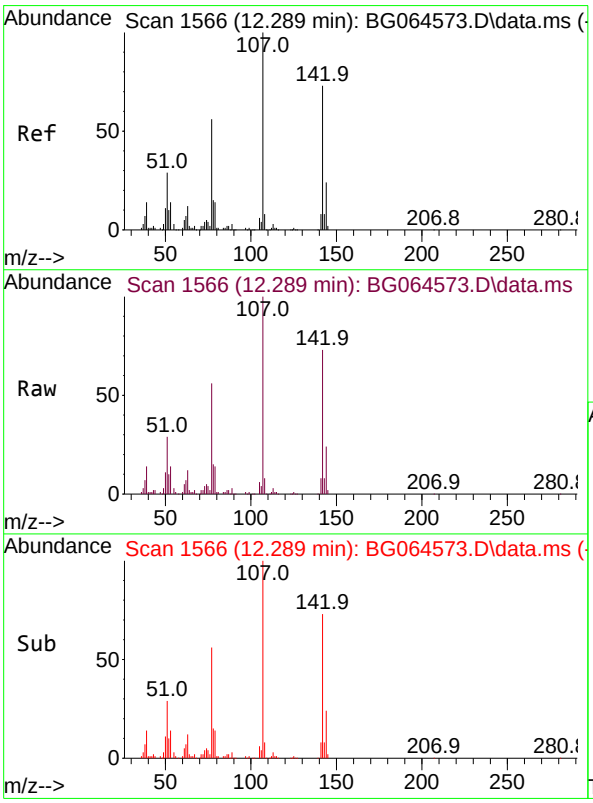
Ion	Ratio	Lower	Upper
113	100		
55	310.1	290.1	330.1
56	203.8	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

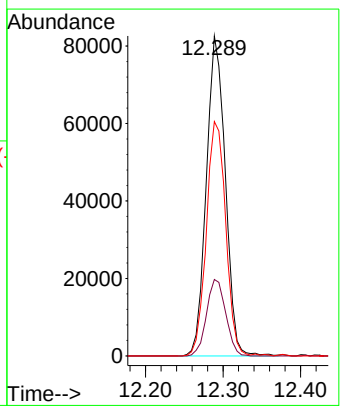
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

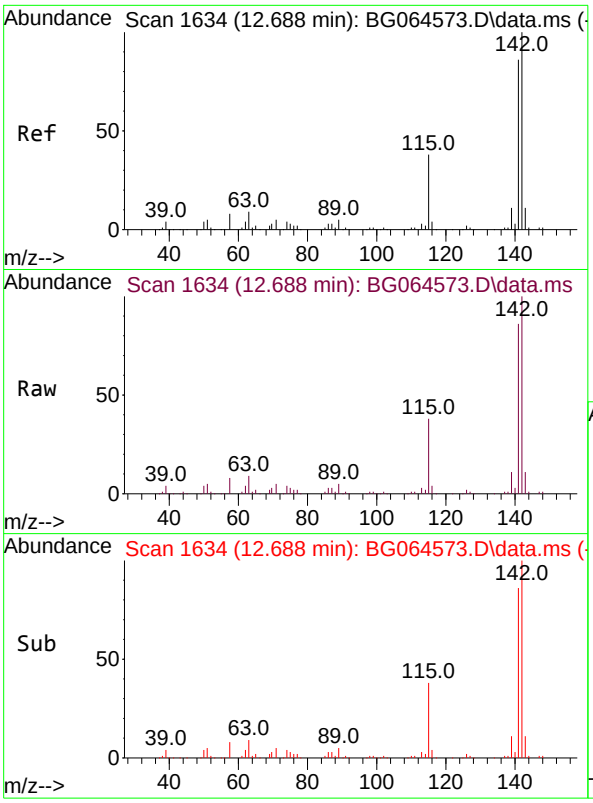


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

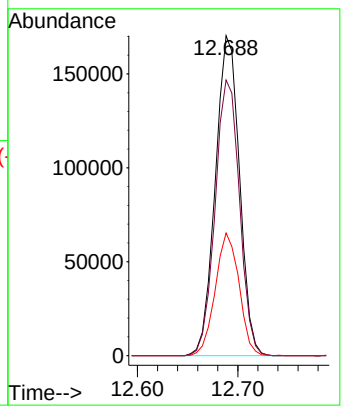




#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 28508

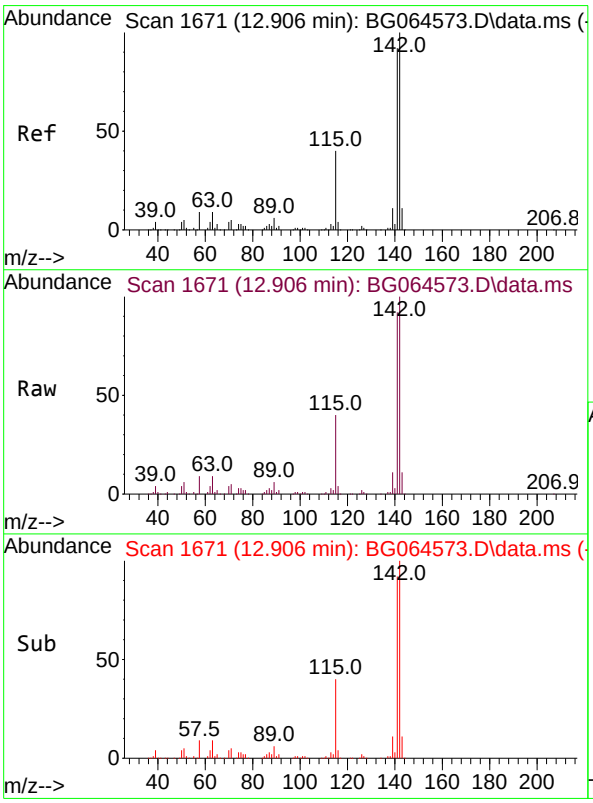
Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	38.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

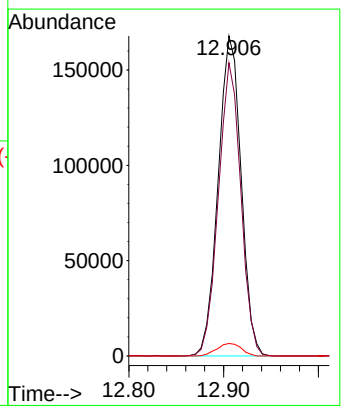
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

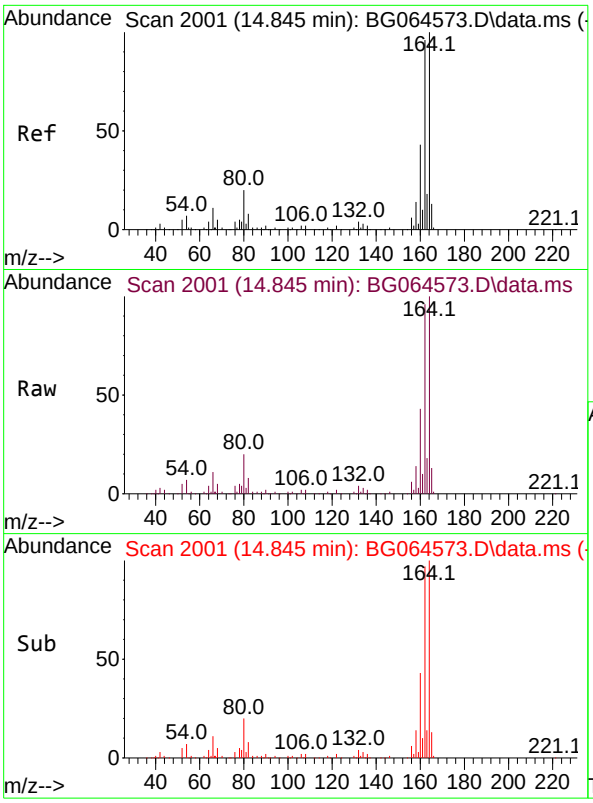


#38
1-Methylnaphthalene
Concen: 42.362 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

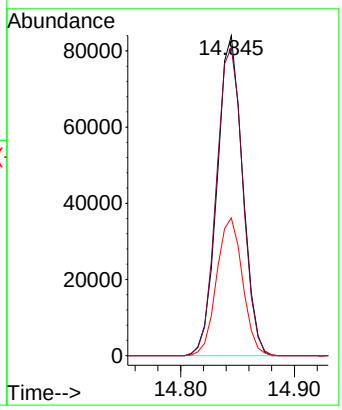




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:164 Resp: 13054

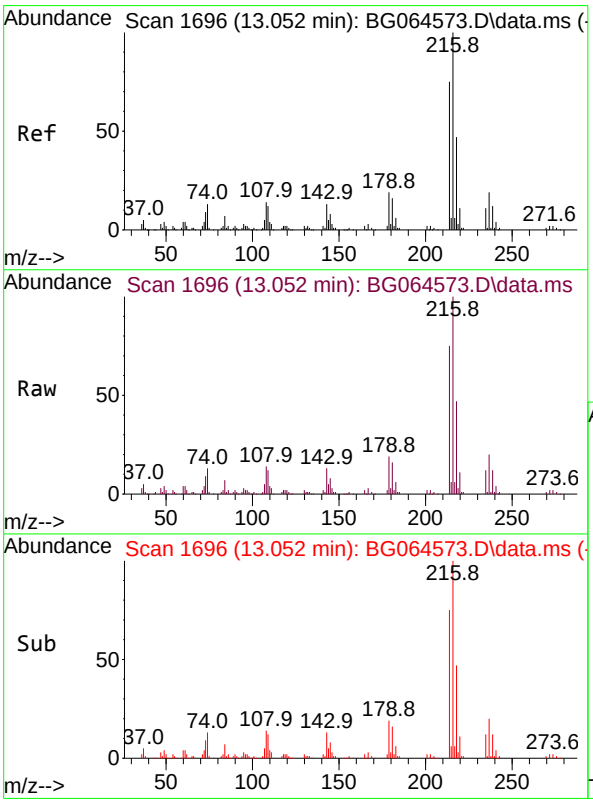
Ion	Ratio	Lower	Upper
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

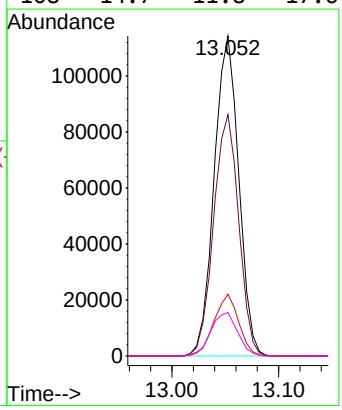
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

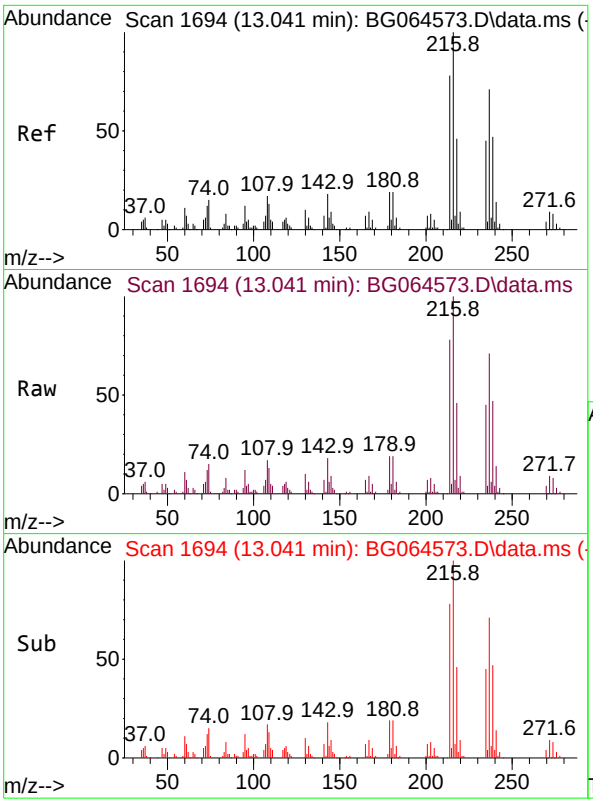


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

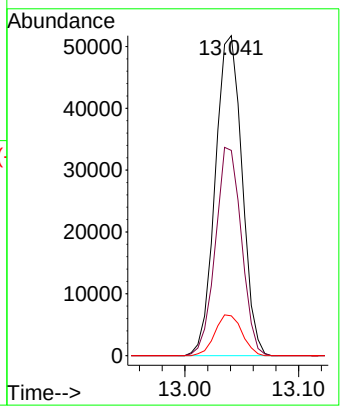




#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:237 Resp: 8450

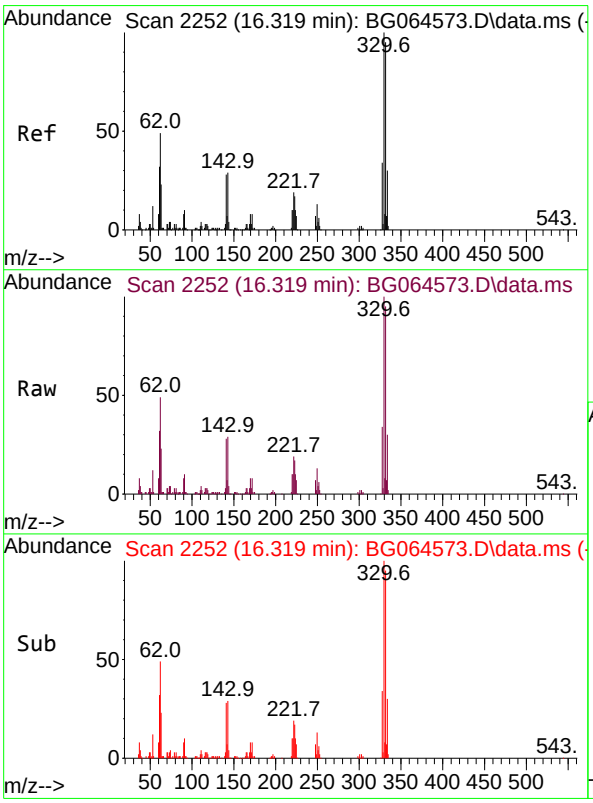
Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.1	84.1
272	12.4	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

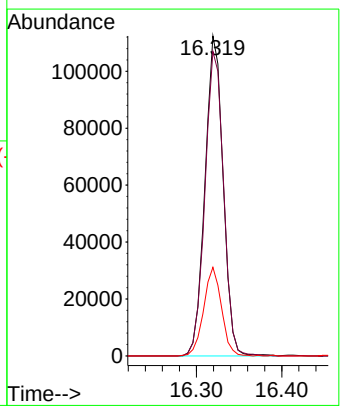
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

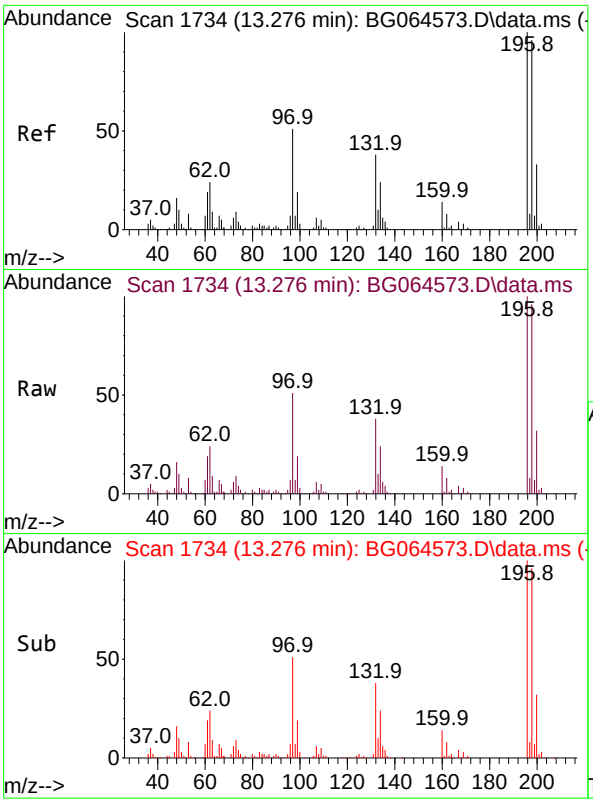


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

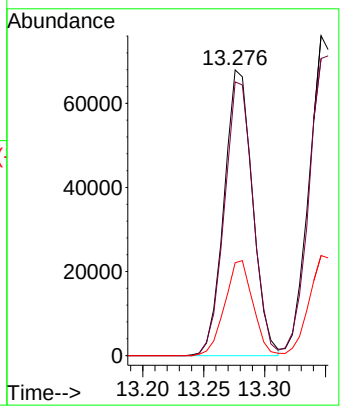
Tgt Ion:196 Resp: 11050

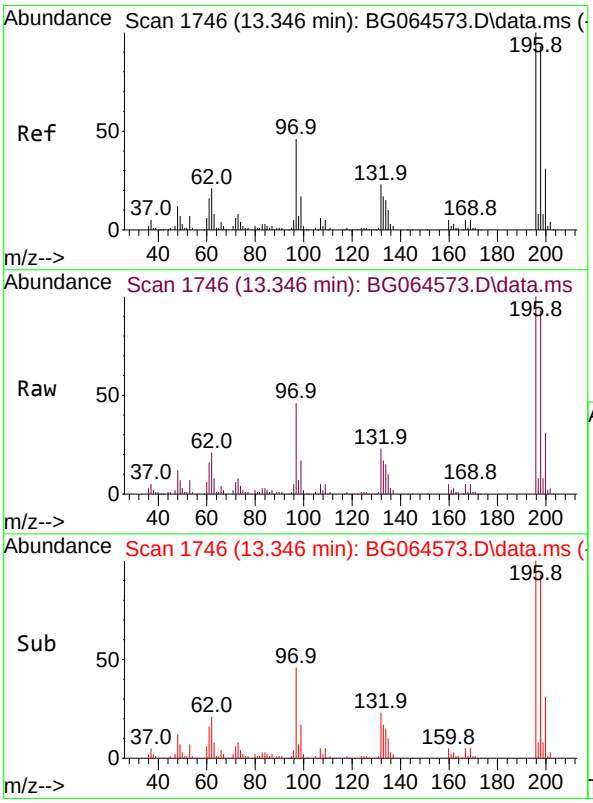
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	32.5	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

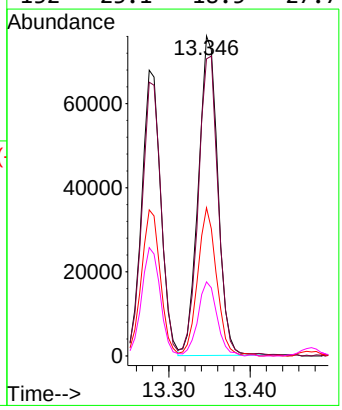


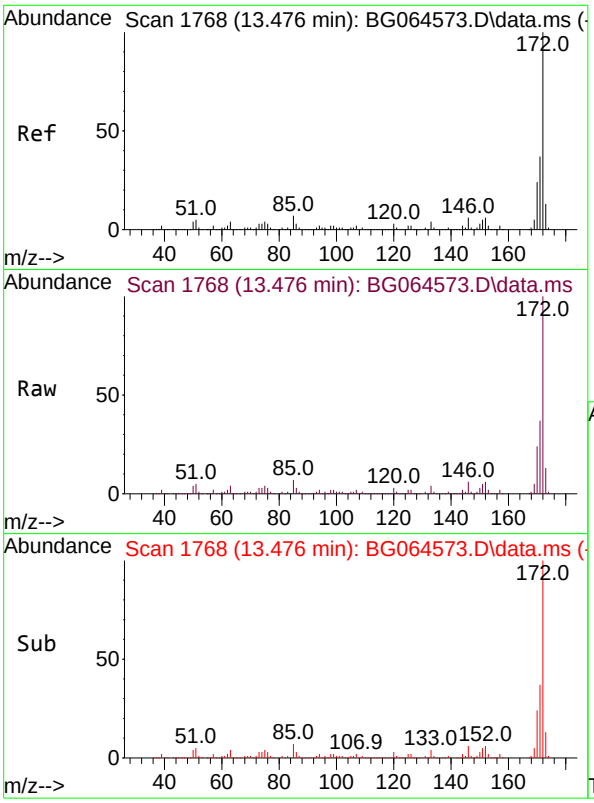


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

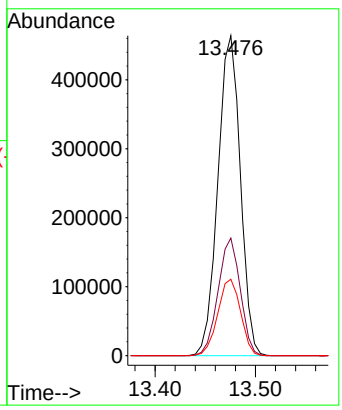




#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:172 Resp: 72247

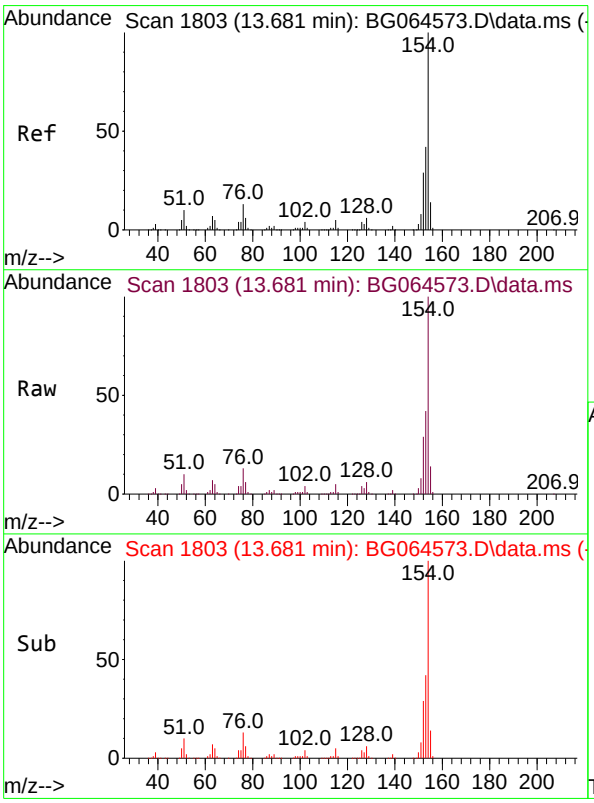
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

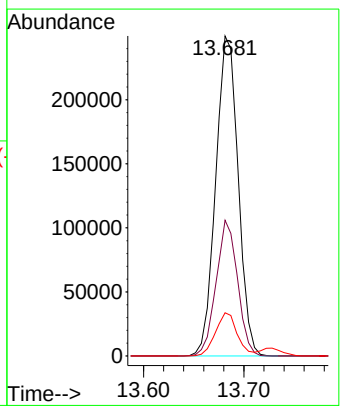
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

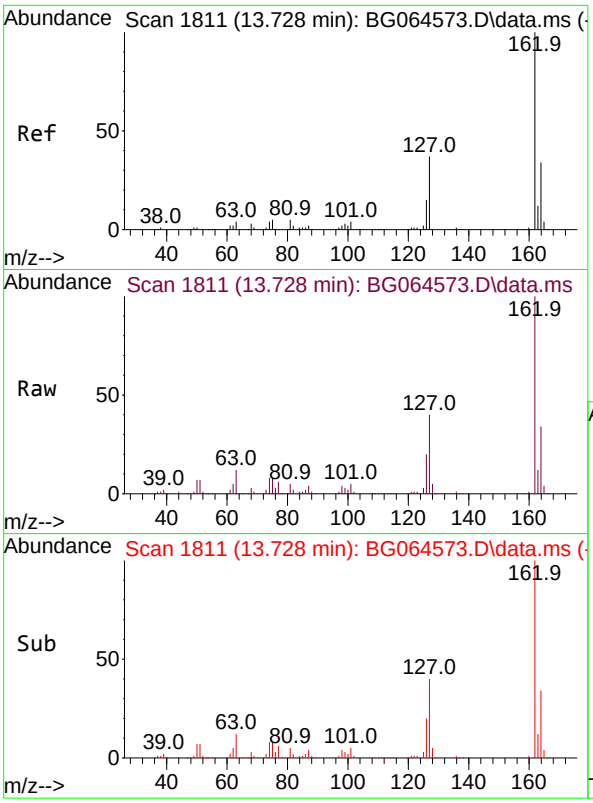


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

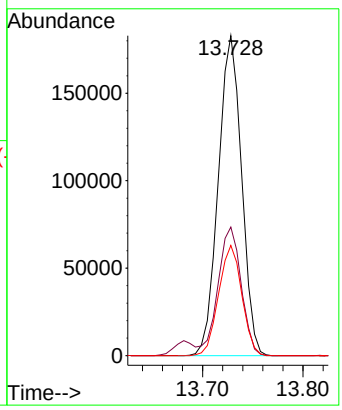




#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 29550

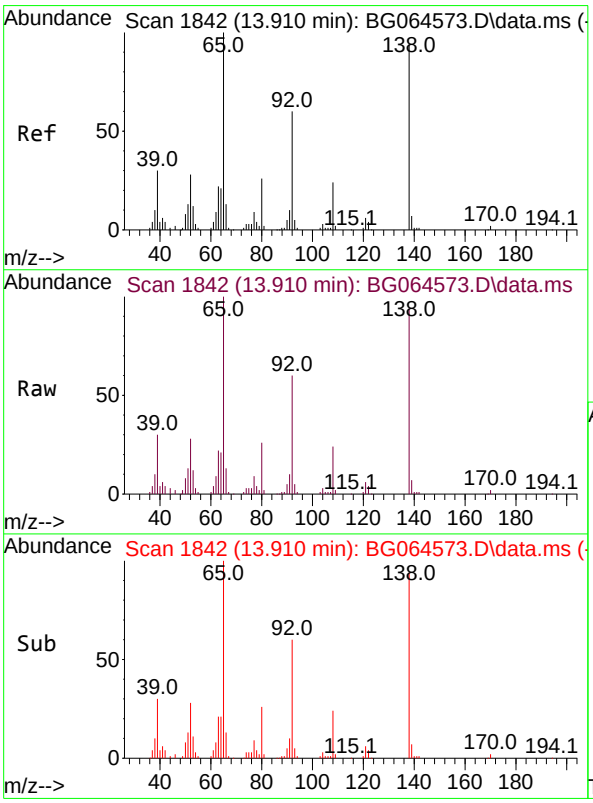
Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

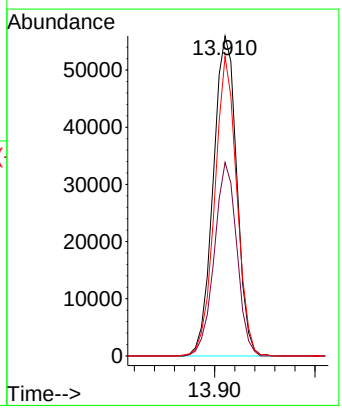
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

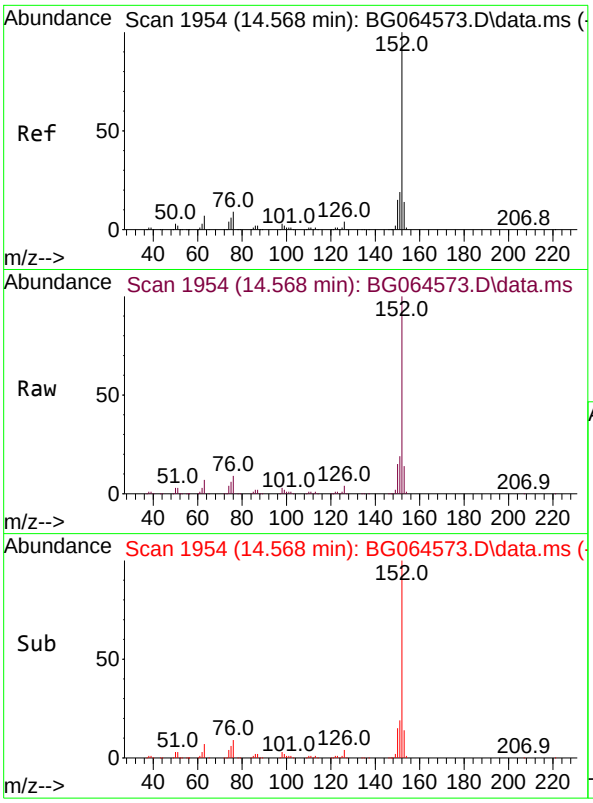


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

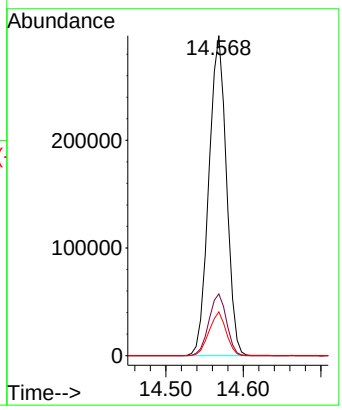




#49
Acenaphthylene
Concen: 42.209 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 46639

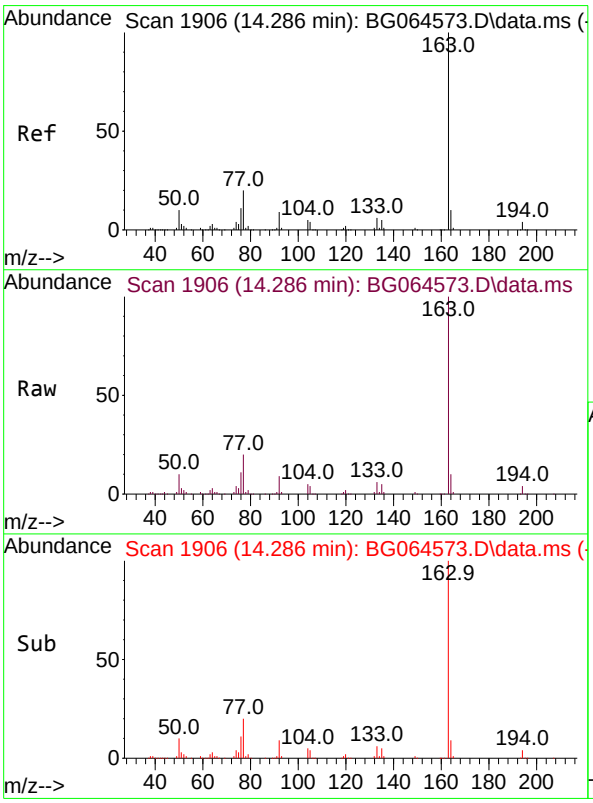
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.7	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

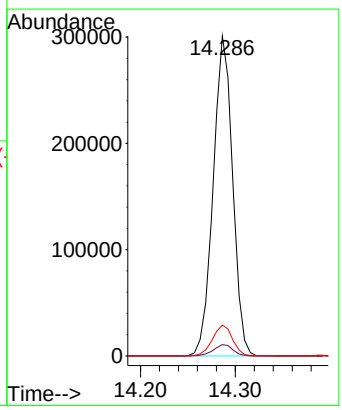
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

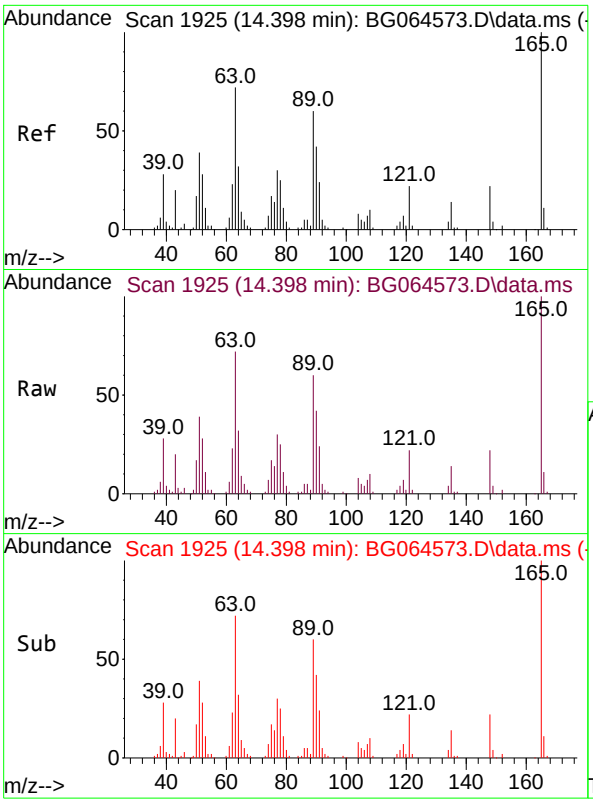


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

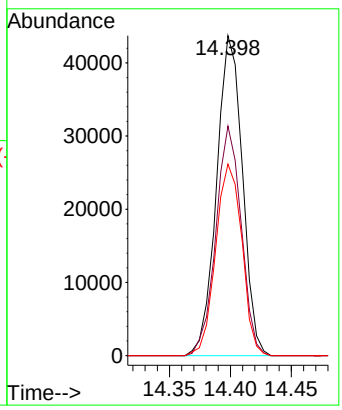
Tgt Ion:165 Resp: 6445

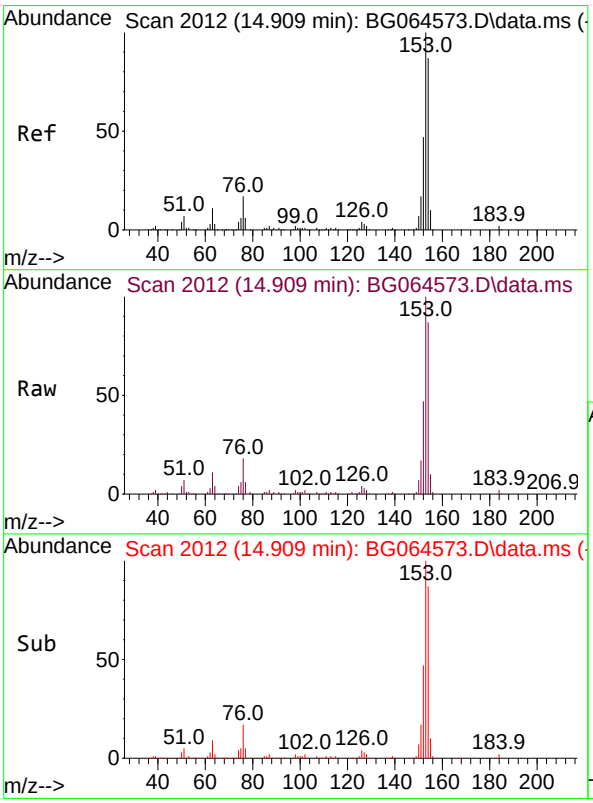
Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	59.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

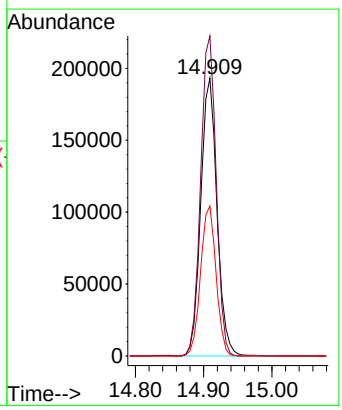


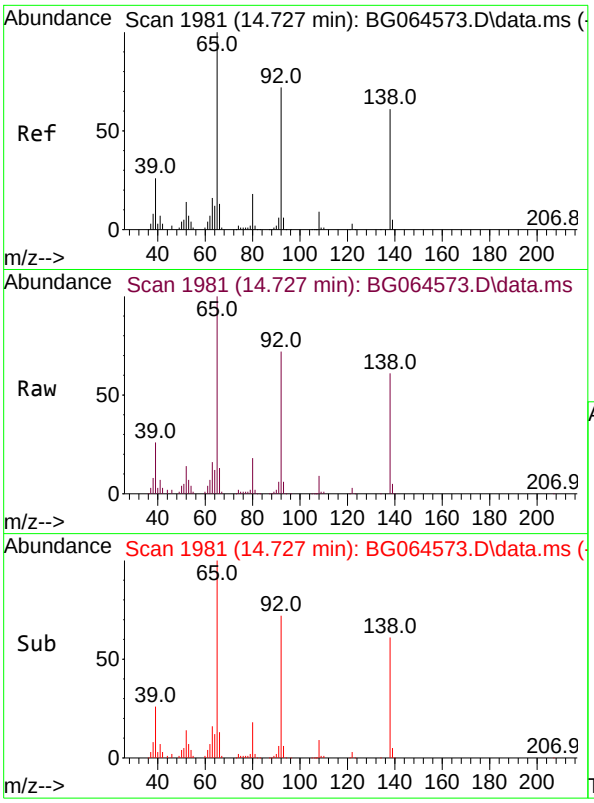


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

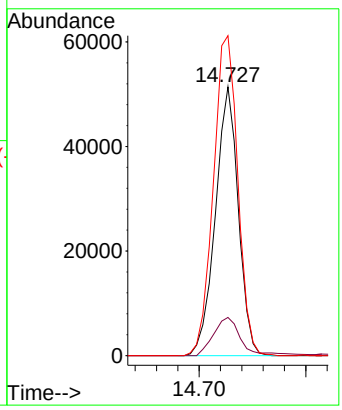




#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 7684

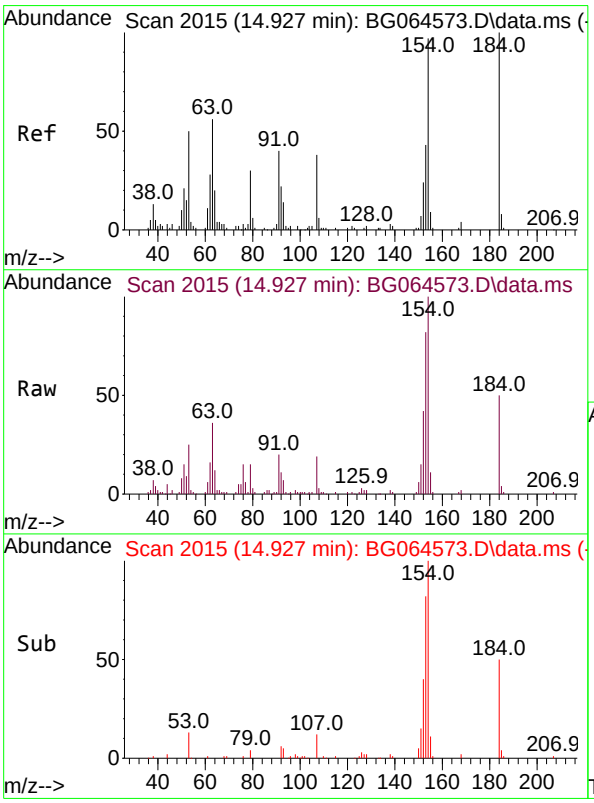
Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	119.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

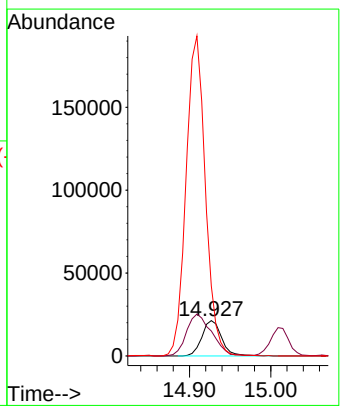
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

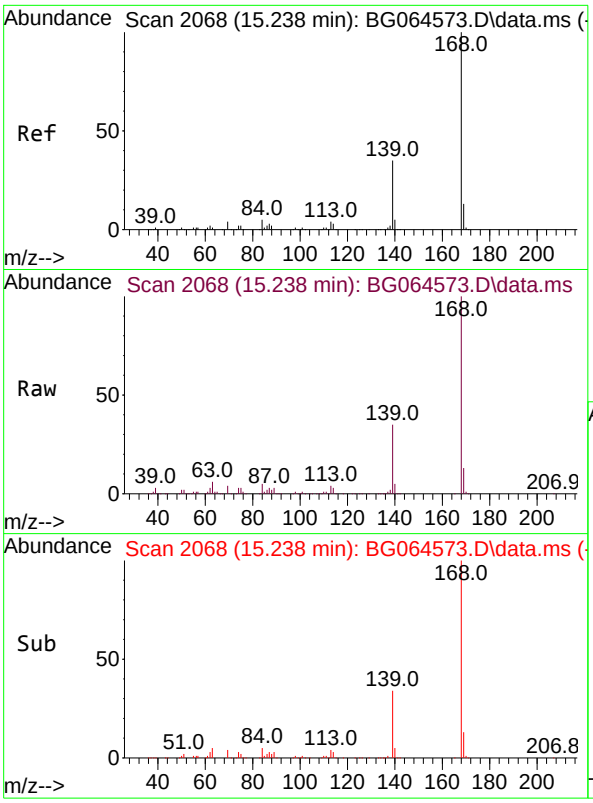


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

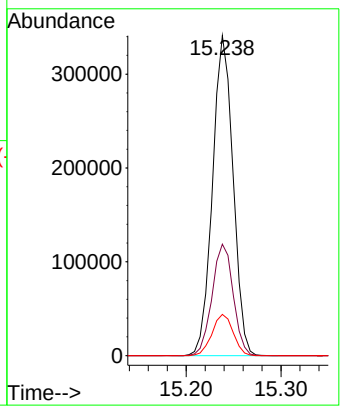




#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:168 Resp: 51254

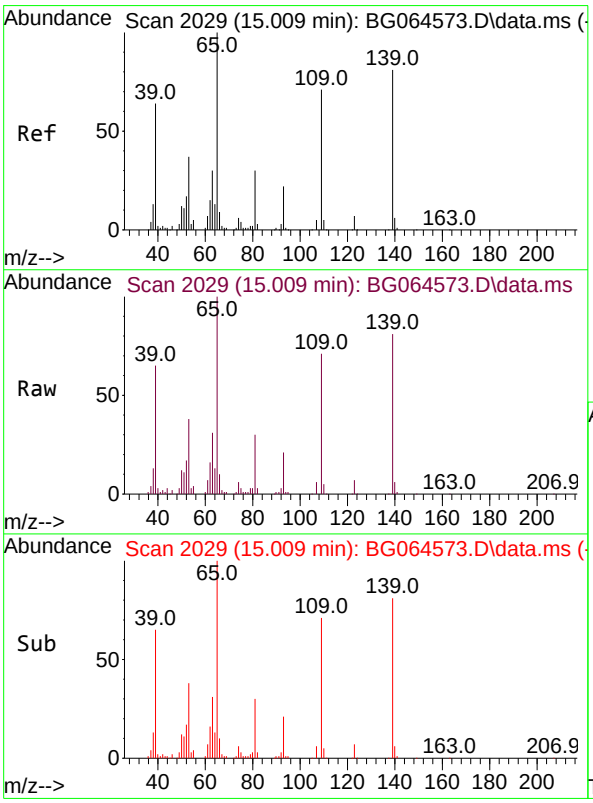
Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	12.9	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

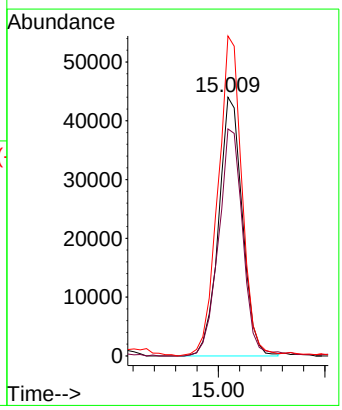
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

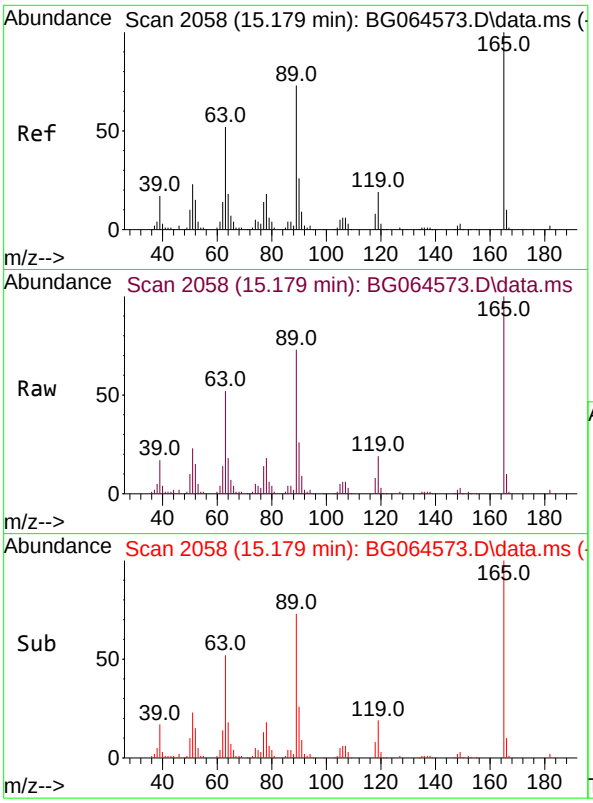


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

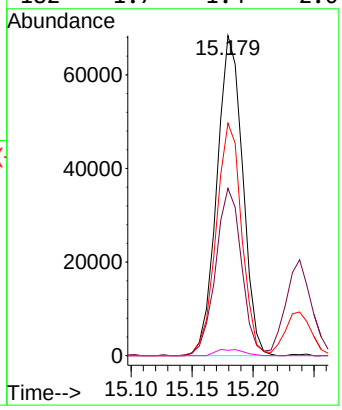




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 10044

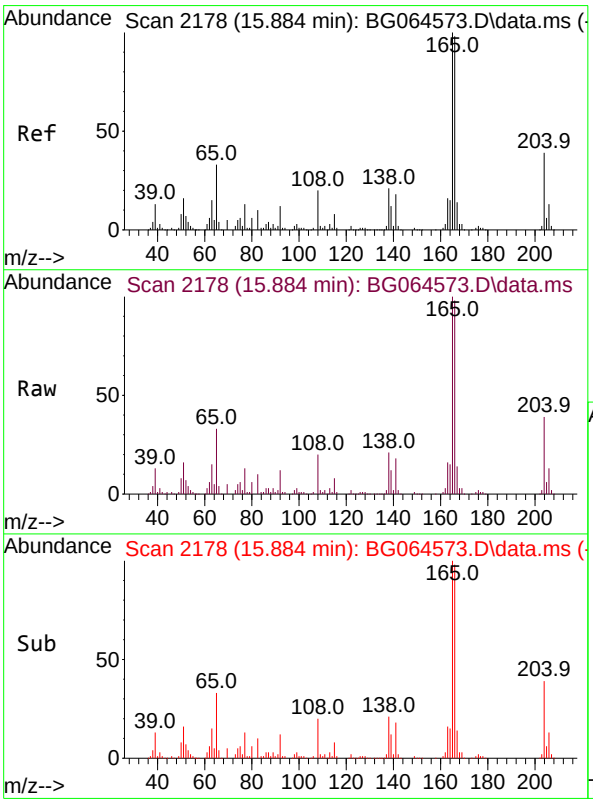
Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	72.6	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

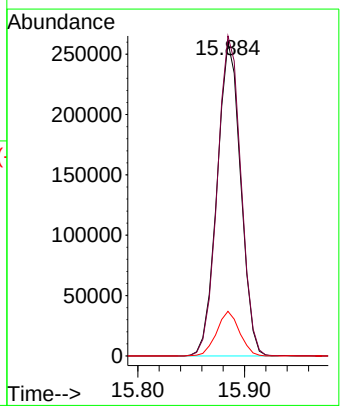
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

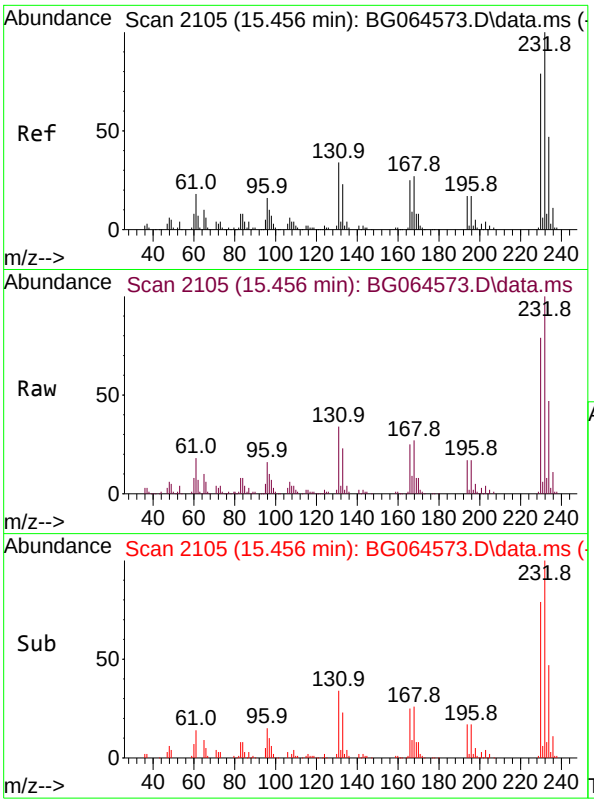


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

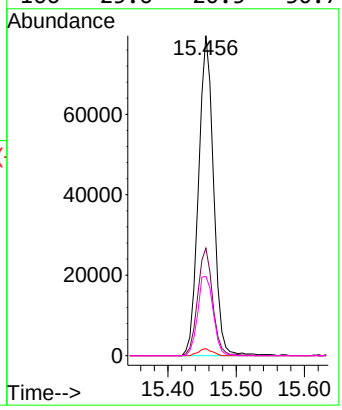




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:232 Resp: 12176

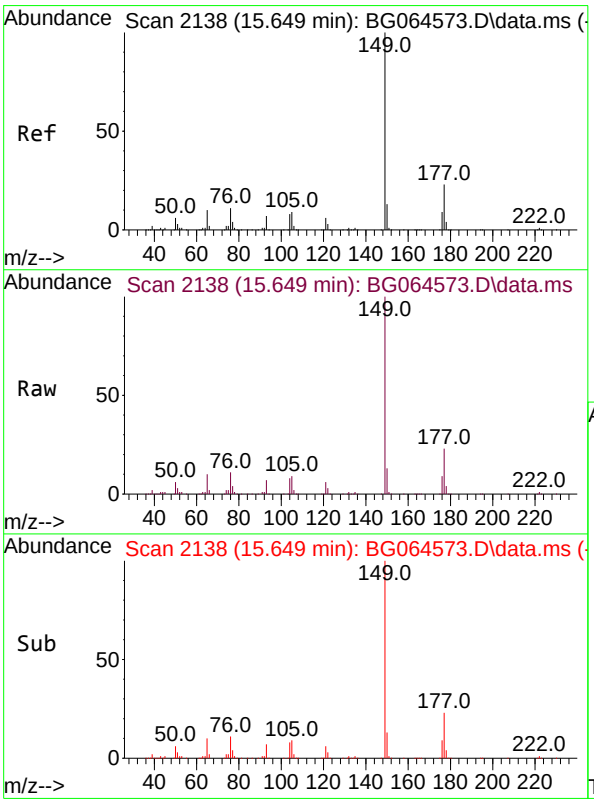
Ion	Ratio	Lower	Upper
232	100		
131	33.4	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

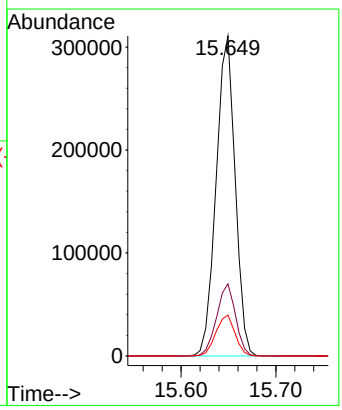
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

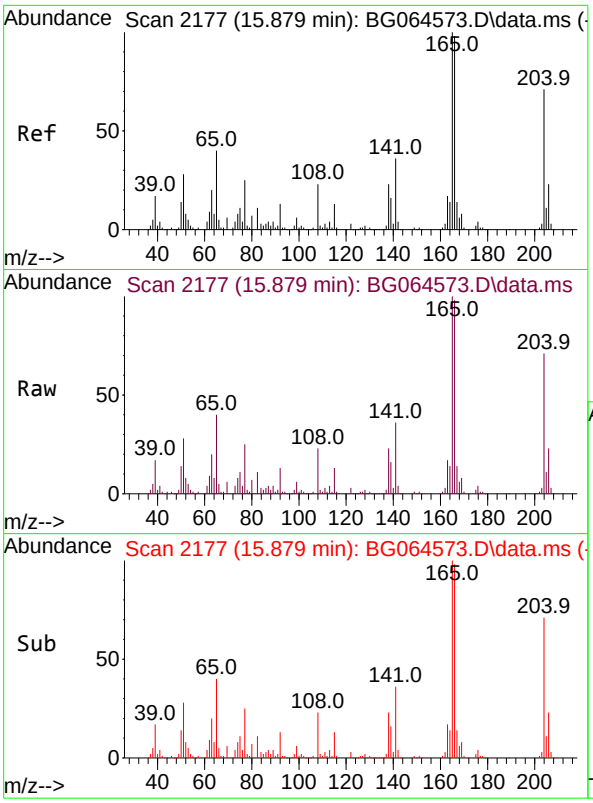


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

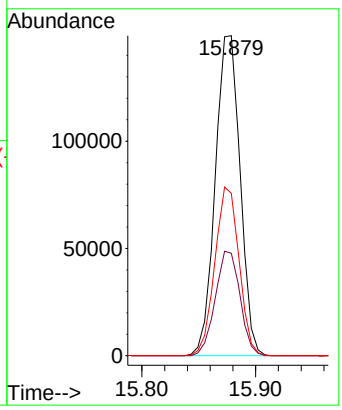




#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:204 Resp: 22610

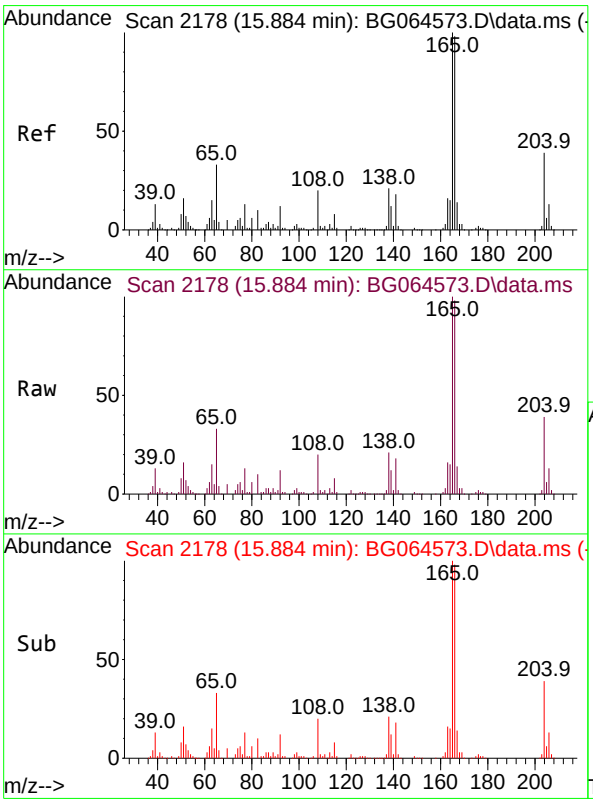
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

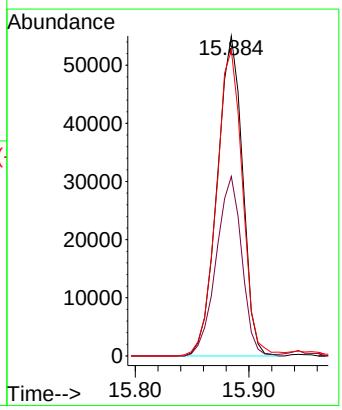
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

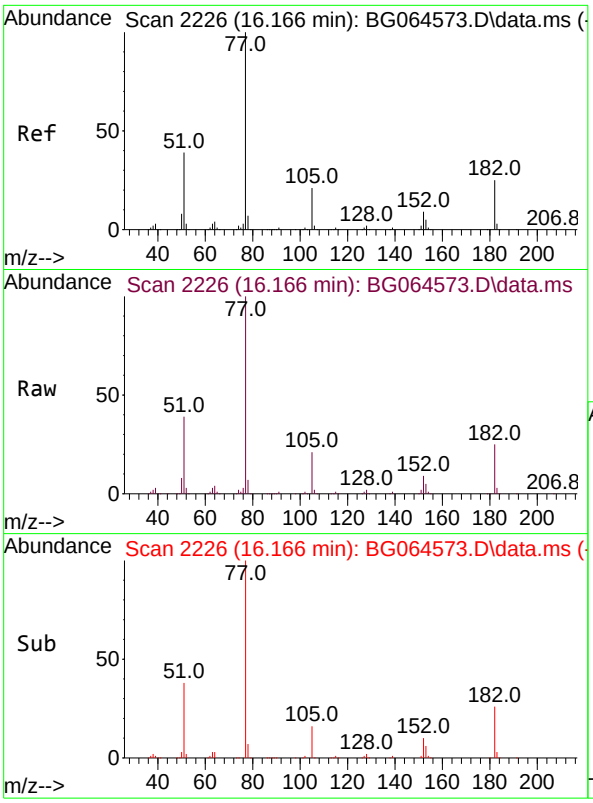


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

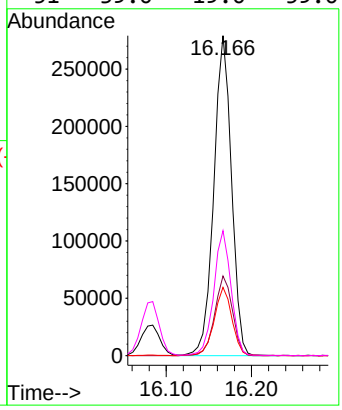




#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 40167

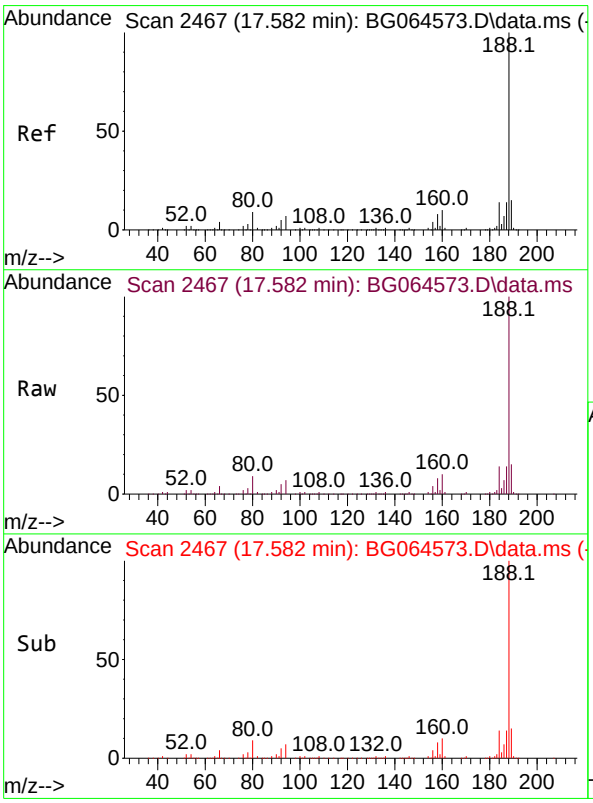
Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.9	44.9
105	21.3	1.3	41.3
51	39.0	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

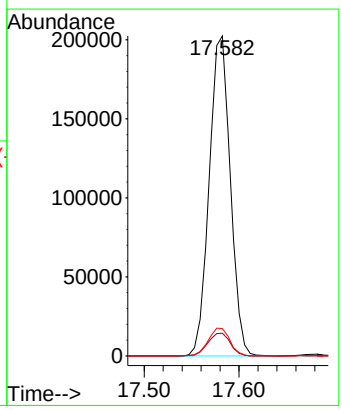
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

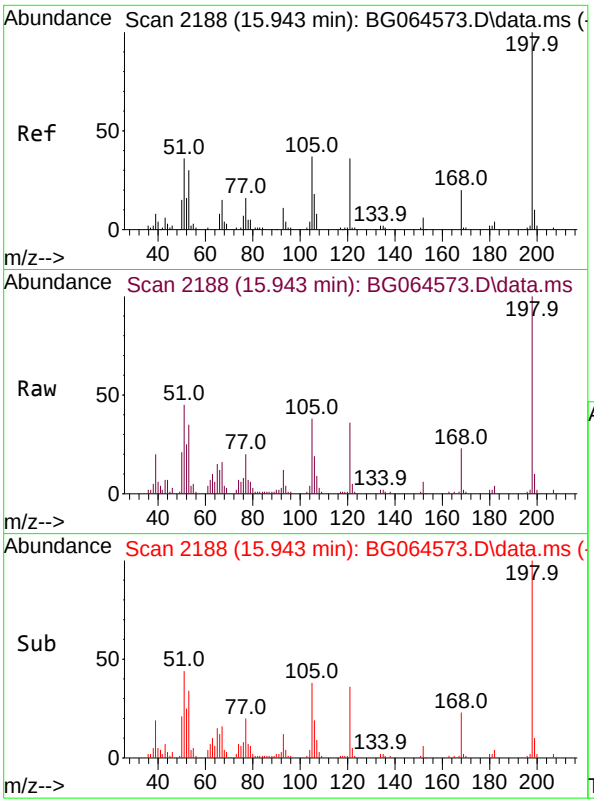


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

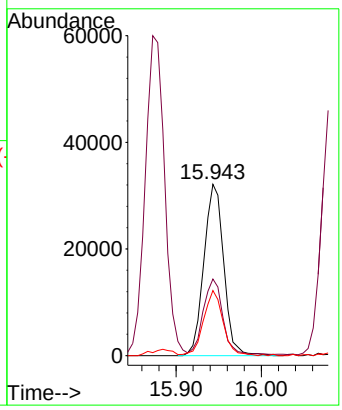




#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

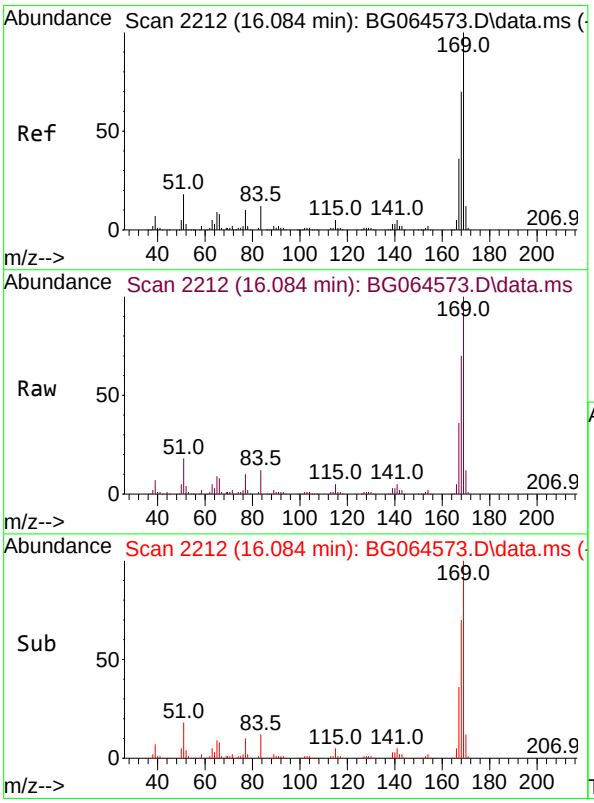
Tgt Ion:198 Resp: 5182

Ion	Ratio	Lower	Upper
198	100		
51	44.7	24.7	64.7
105	38.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

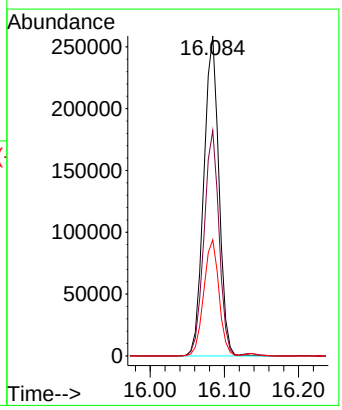
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

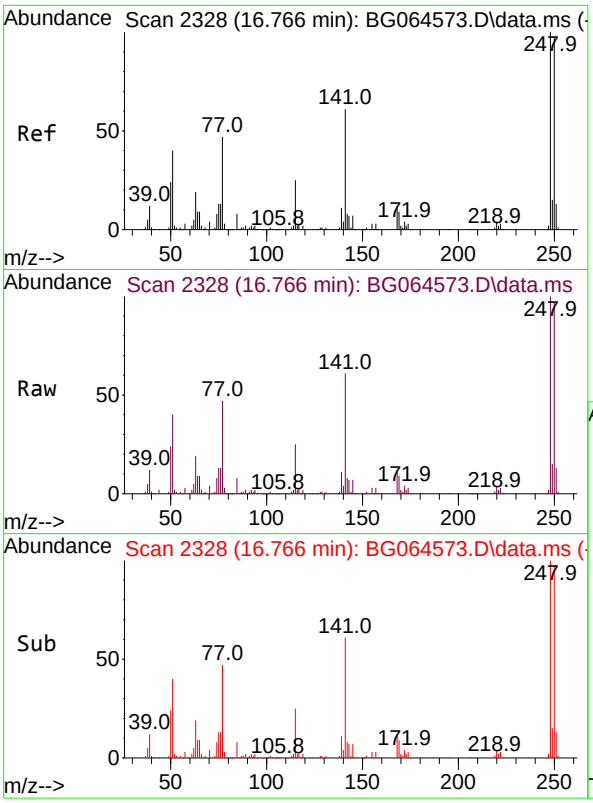


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

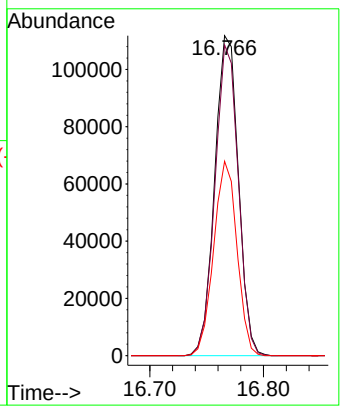




#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:248 Resp: 16174

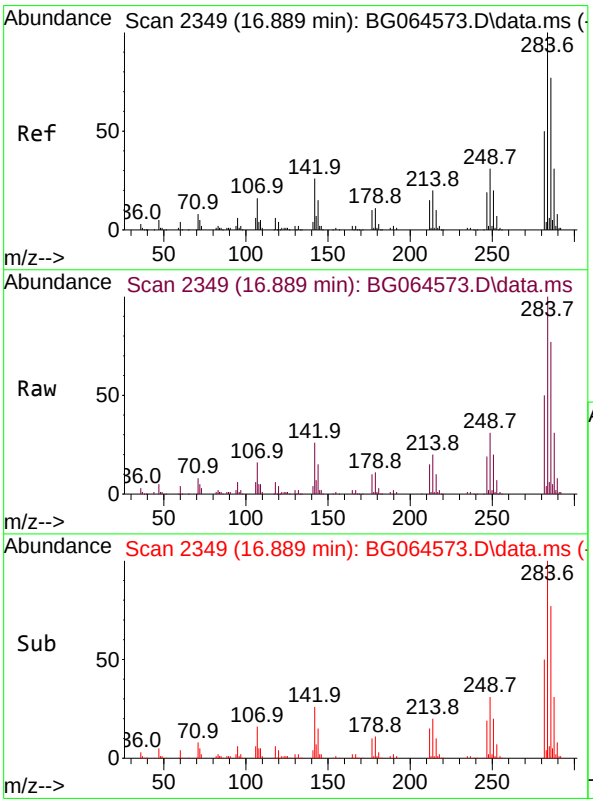
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	60.7	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

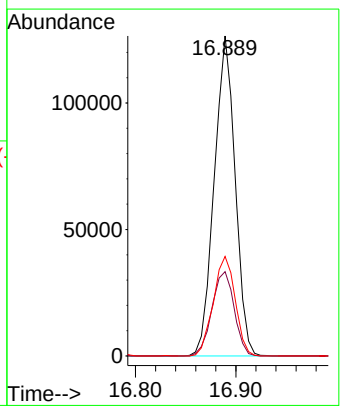
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

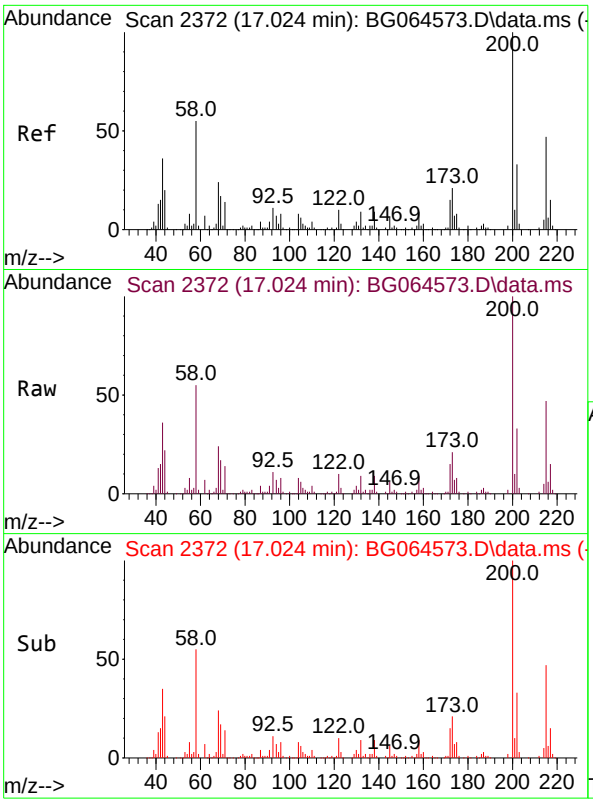


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

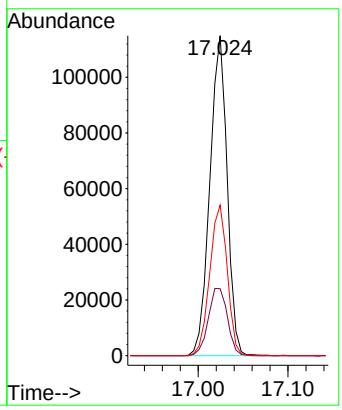




#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 153706

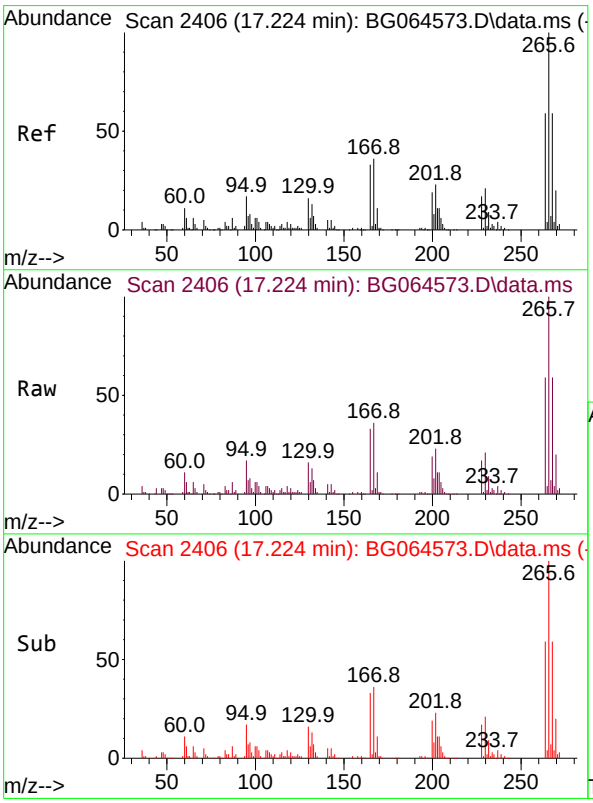
Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

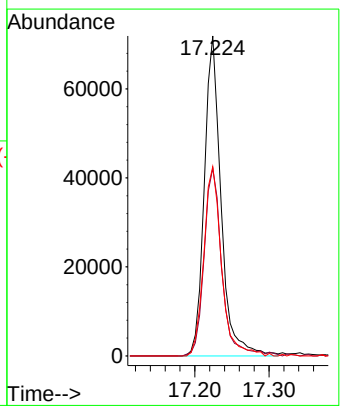
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

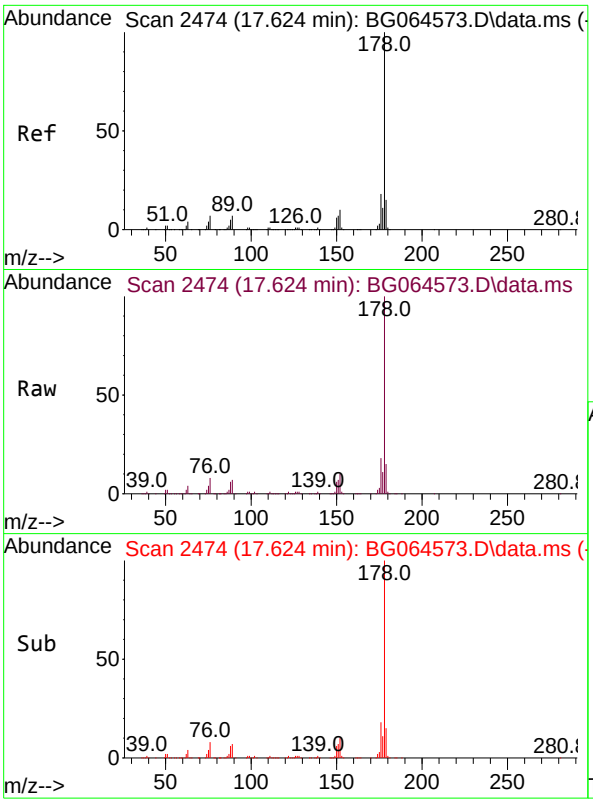


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

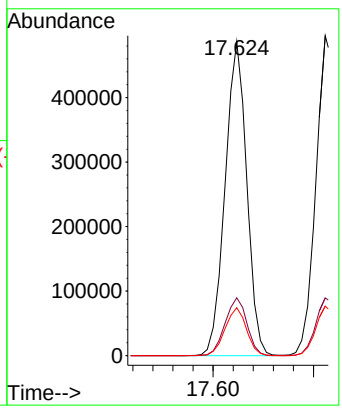




#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 72818

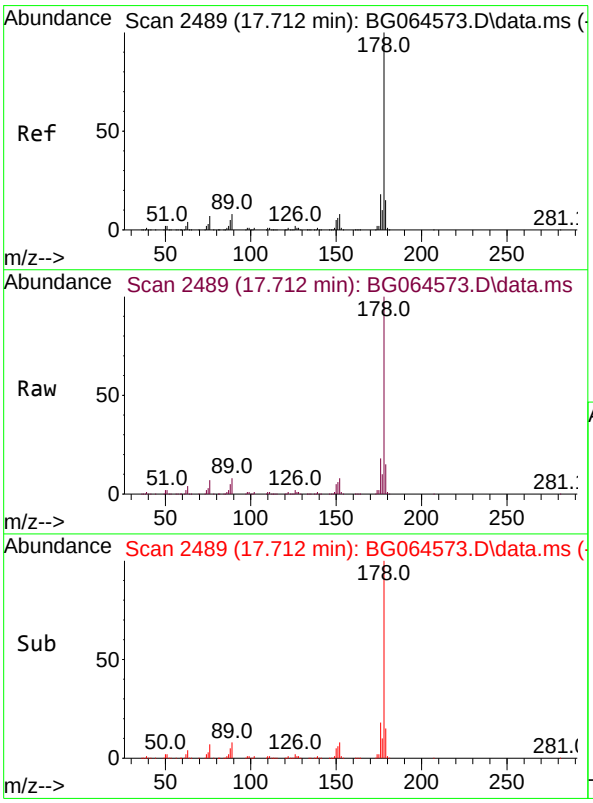
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

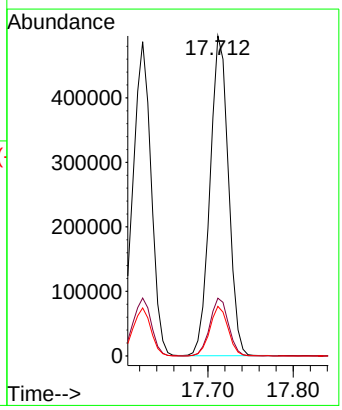
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

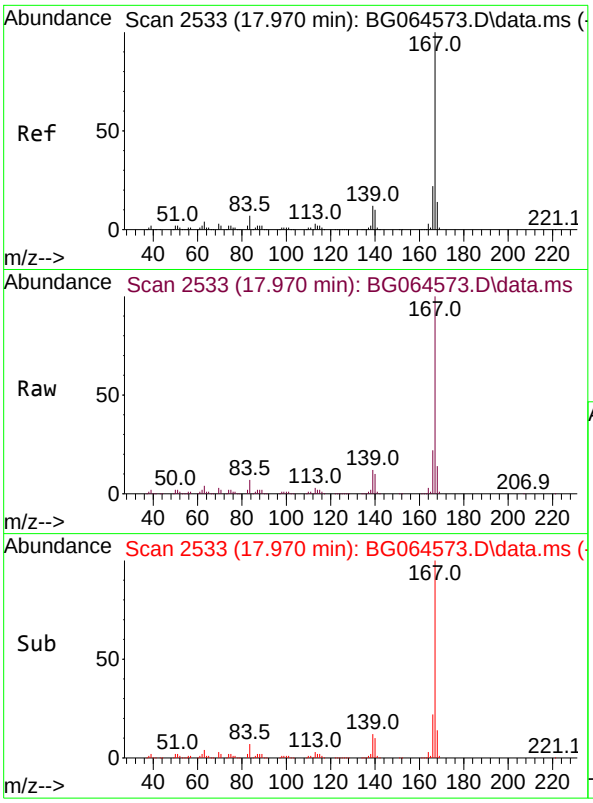


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

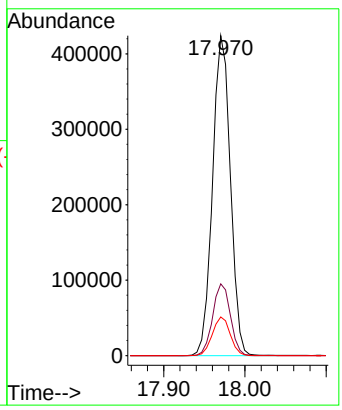




#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:167 Resp: 64631

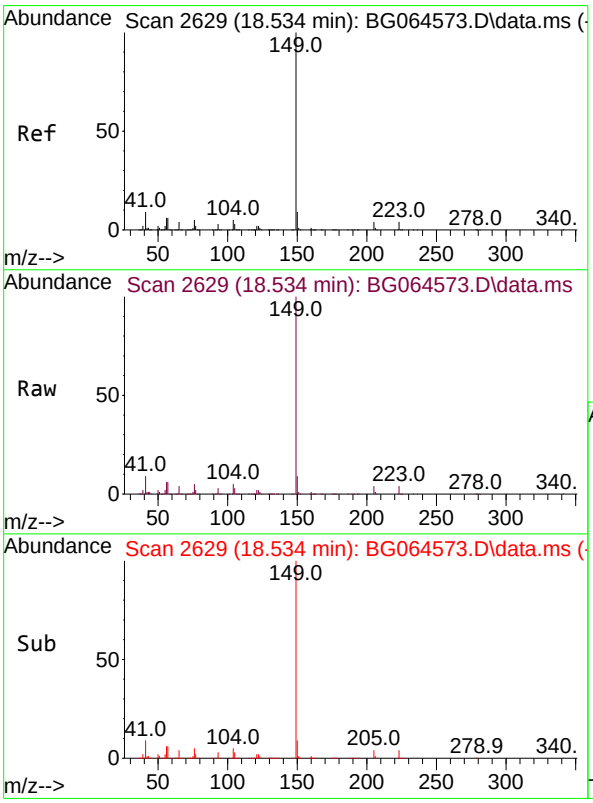
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

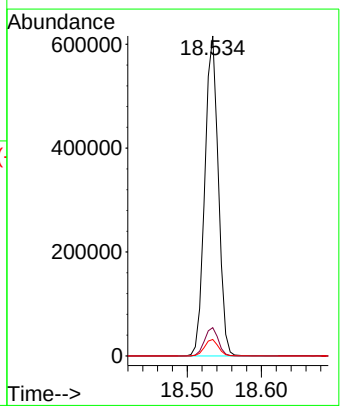
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

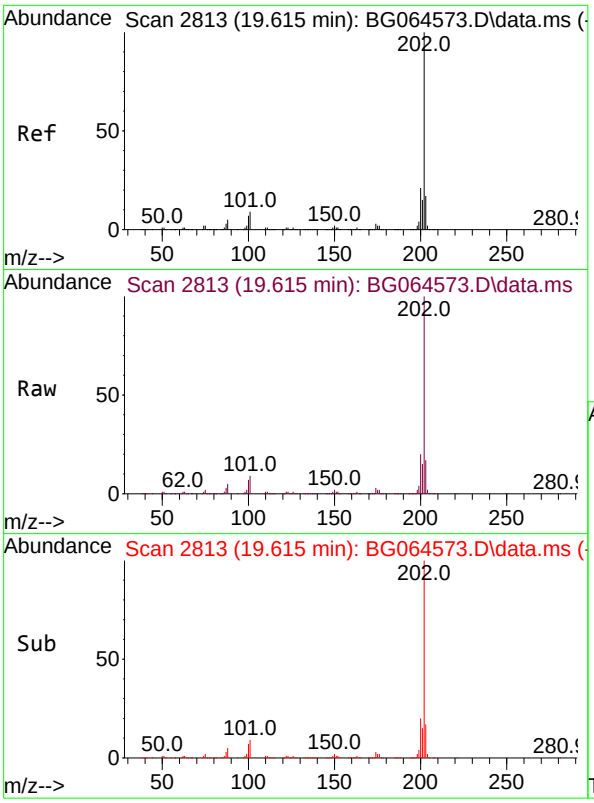


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

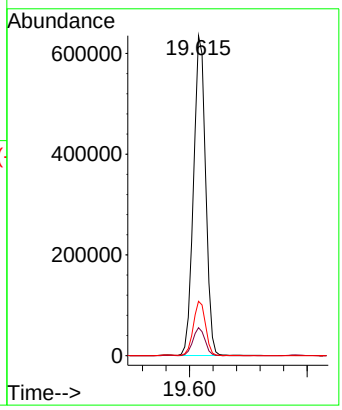




#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 90255

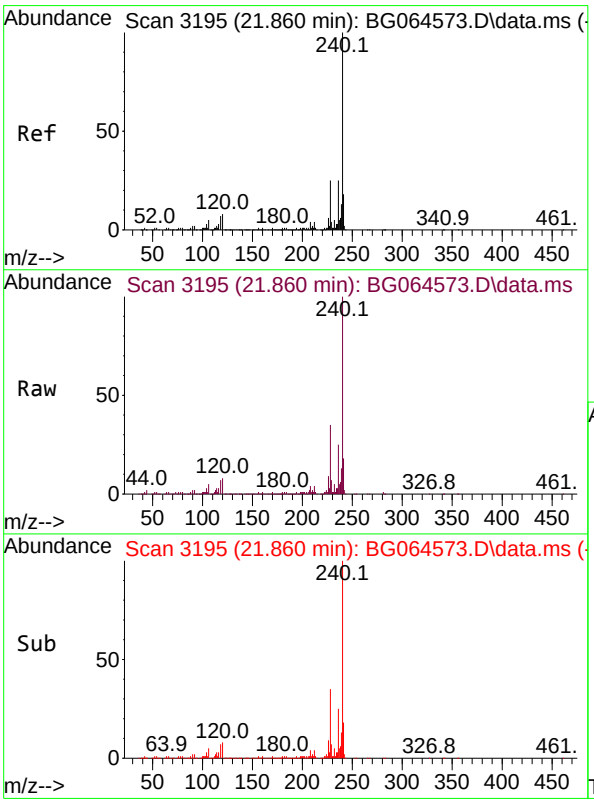
Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

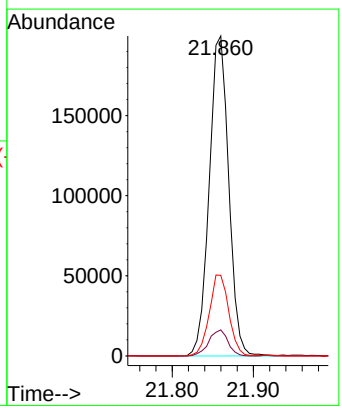
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

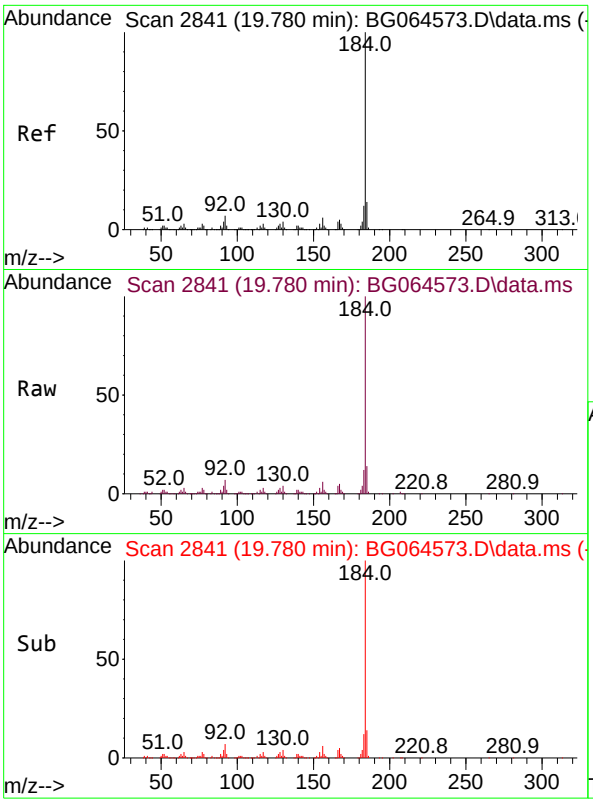


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

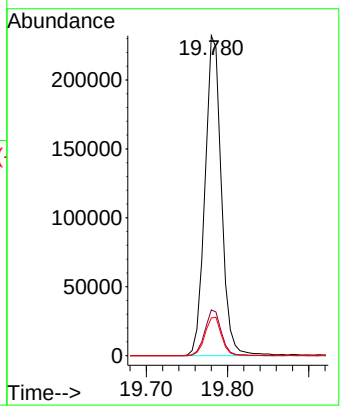




#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 32584

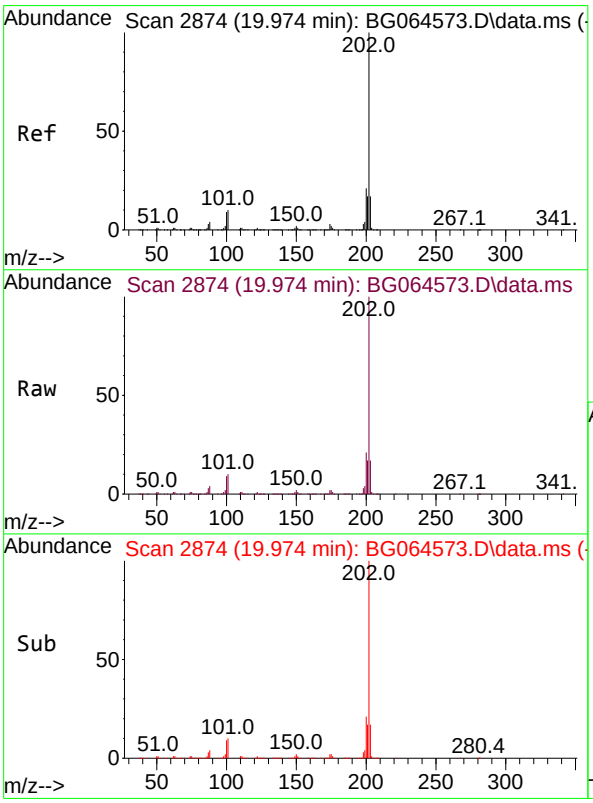
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

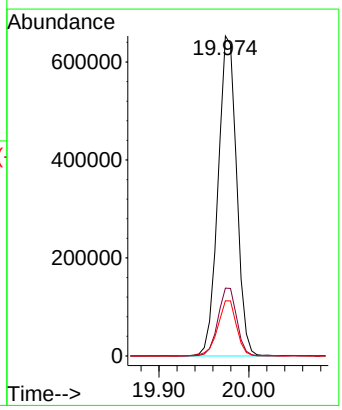
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

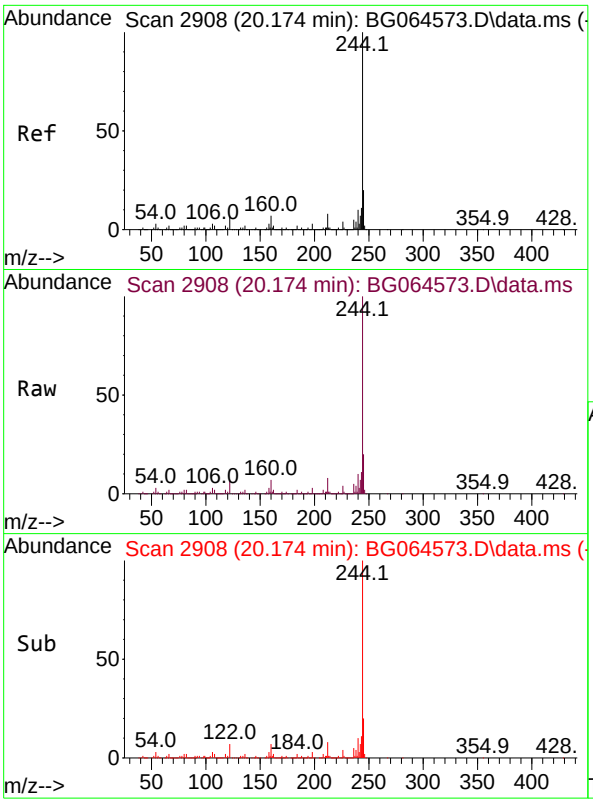


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

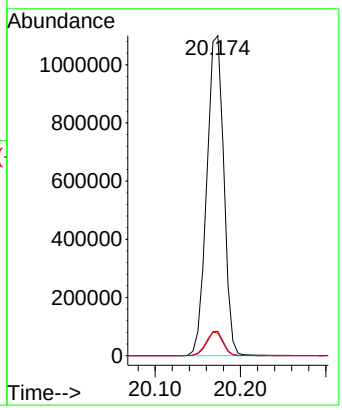




#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:244 Resp: 152102

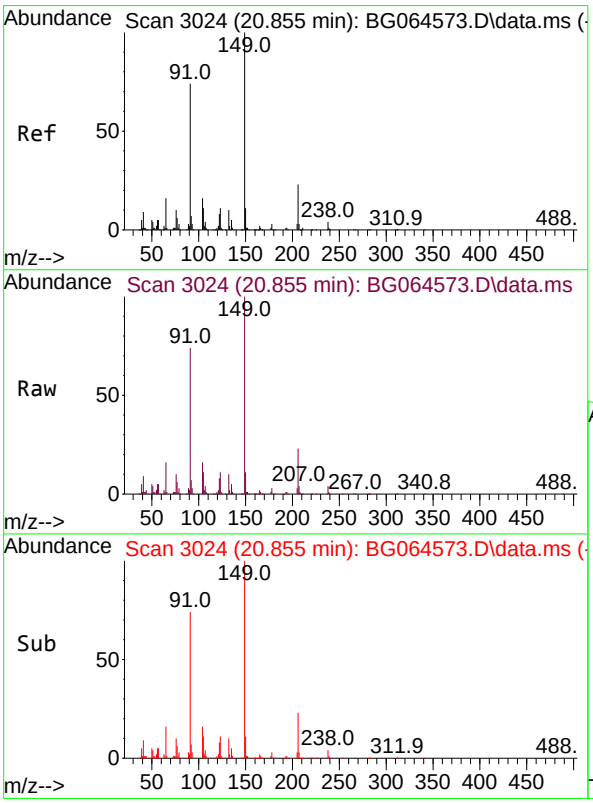
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

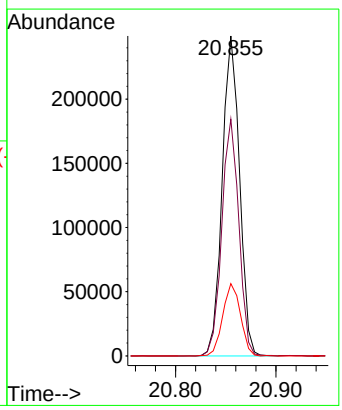
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

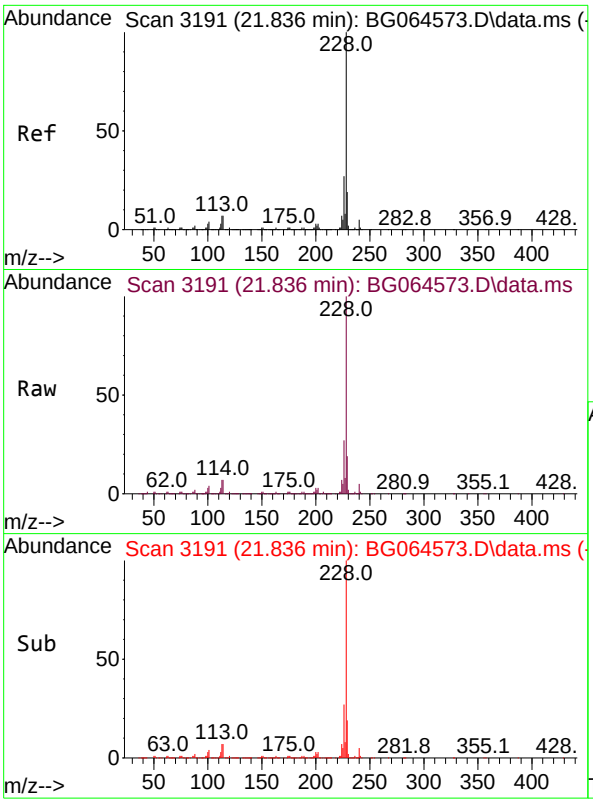


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

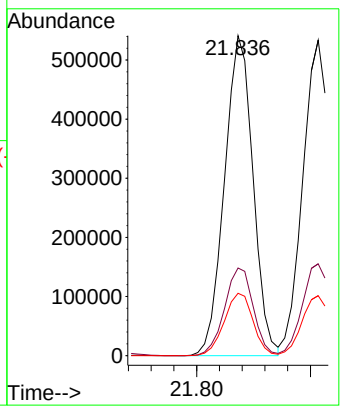




#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 94283

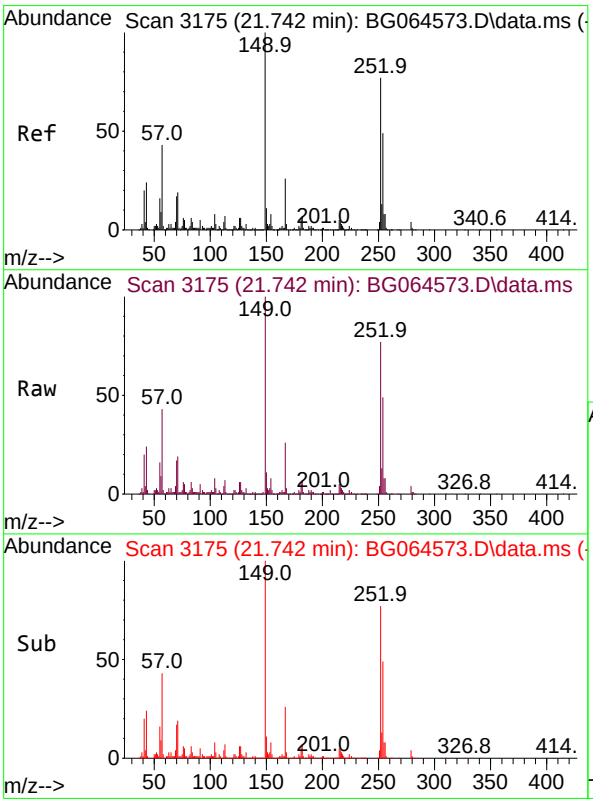
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

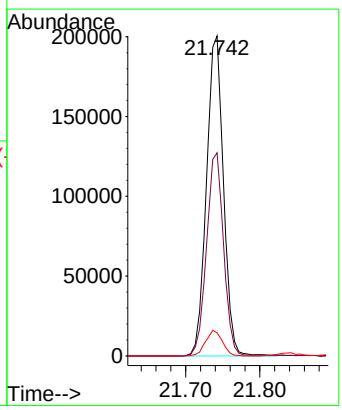
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

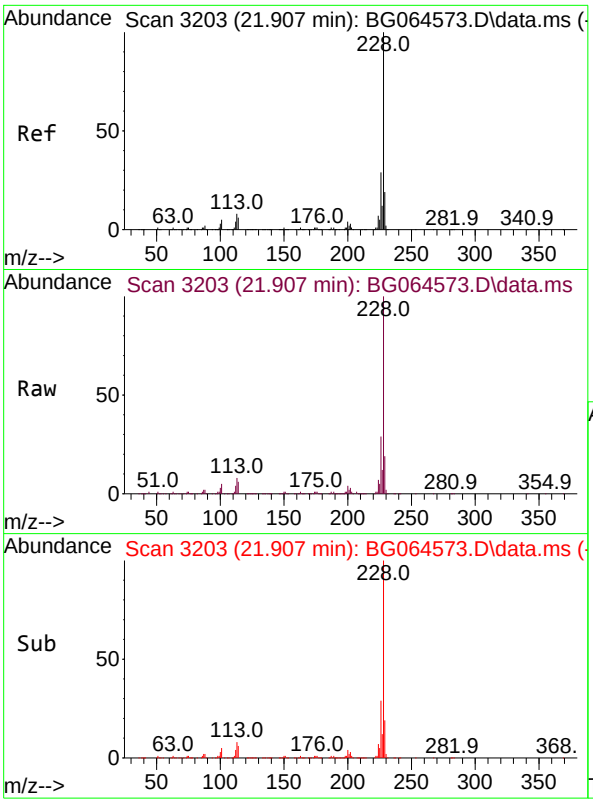


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

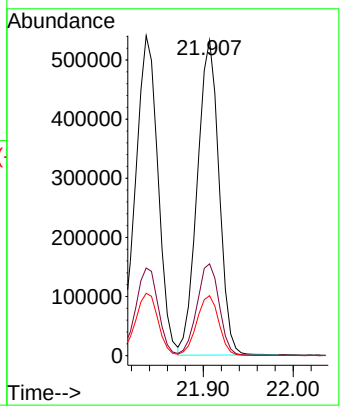




#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 89481

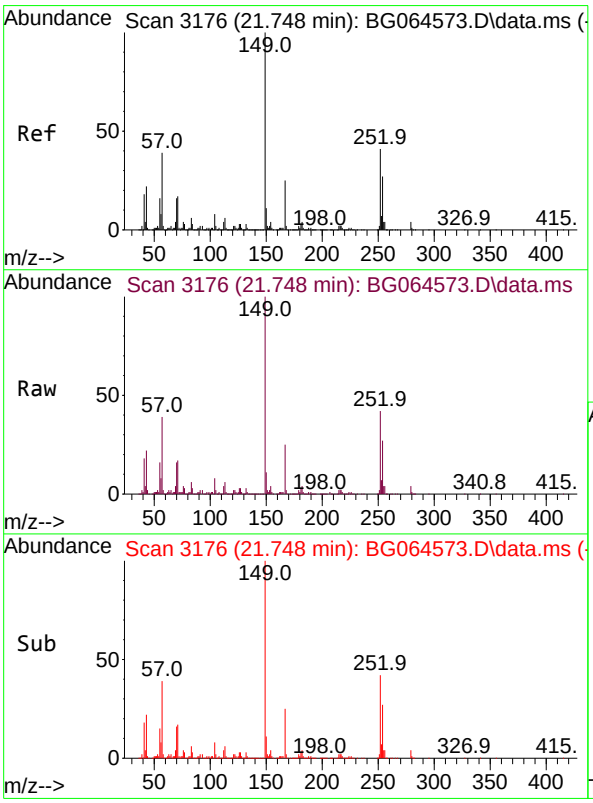
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

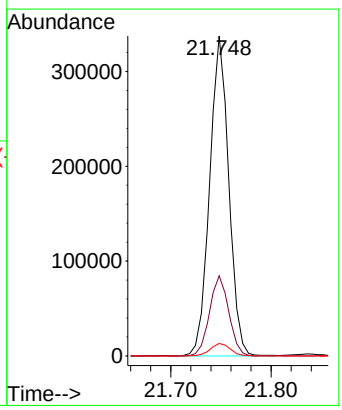
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

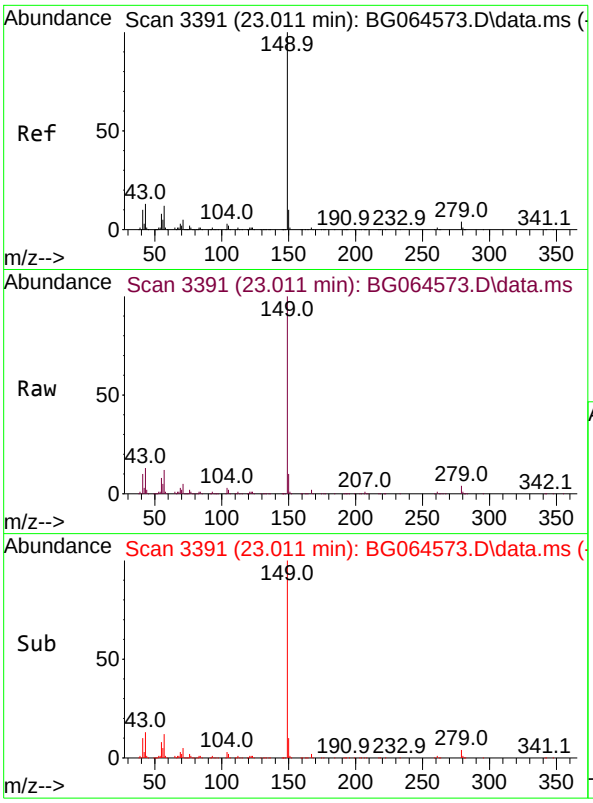


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

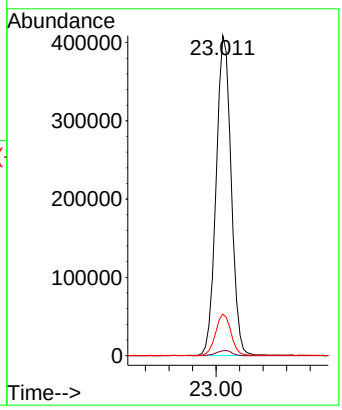




#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 72336

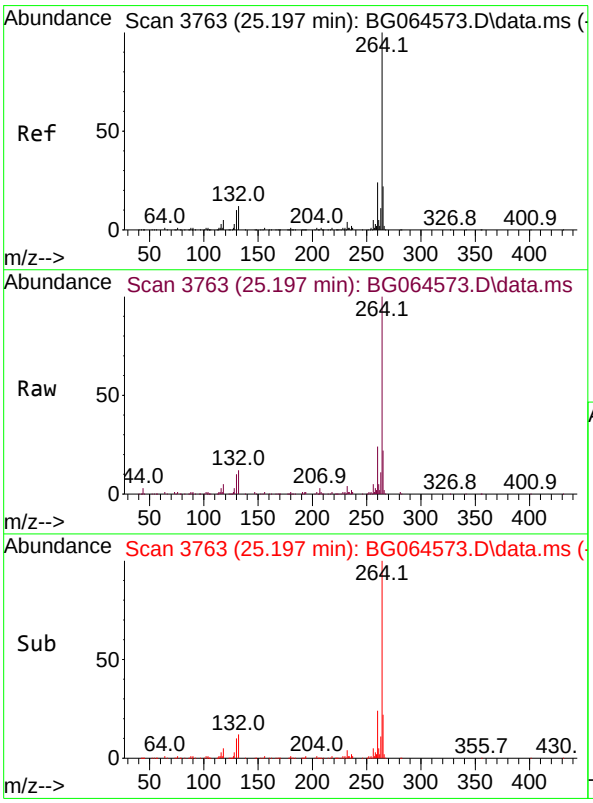
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

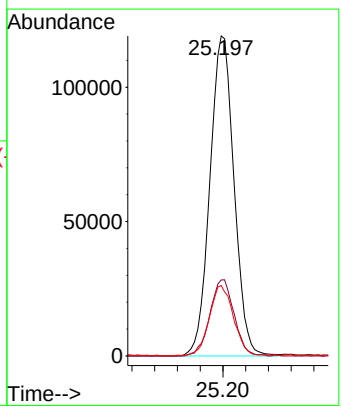
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

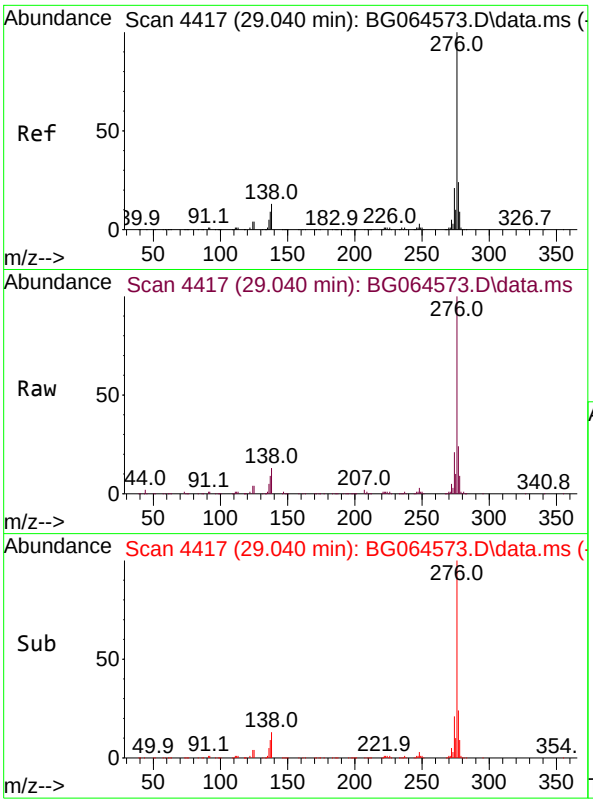


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

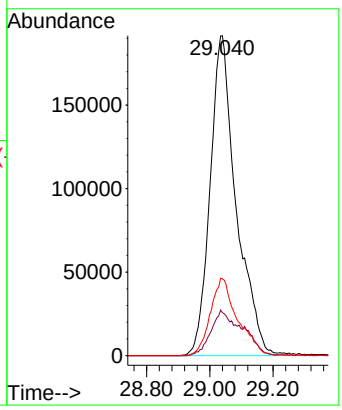




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

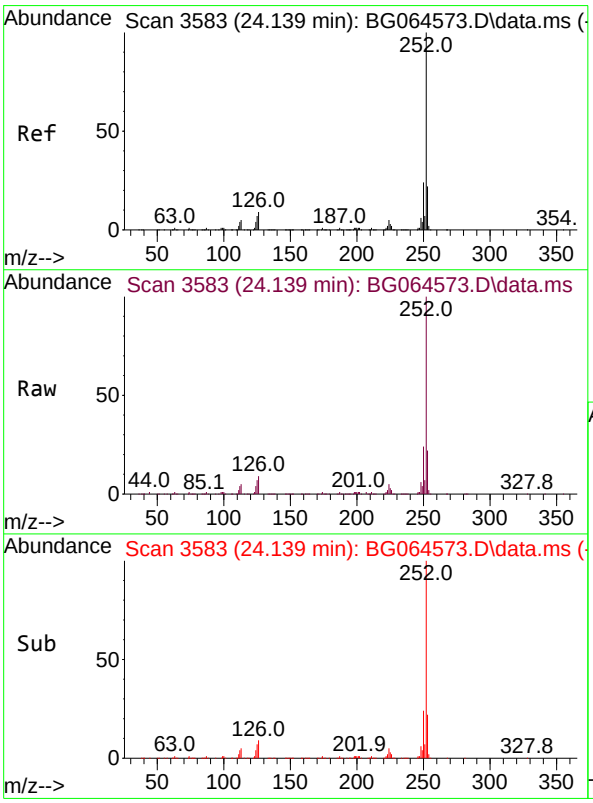
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

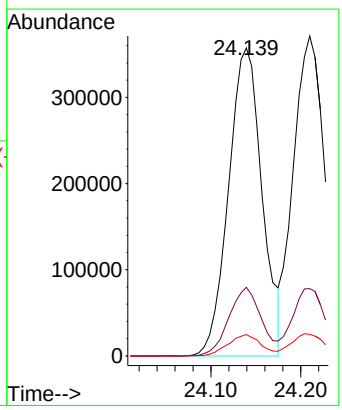
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

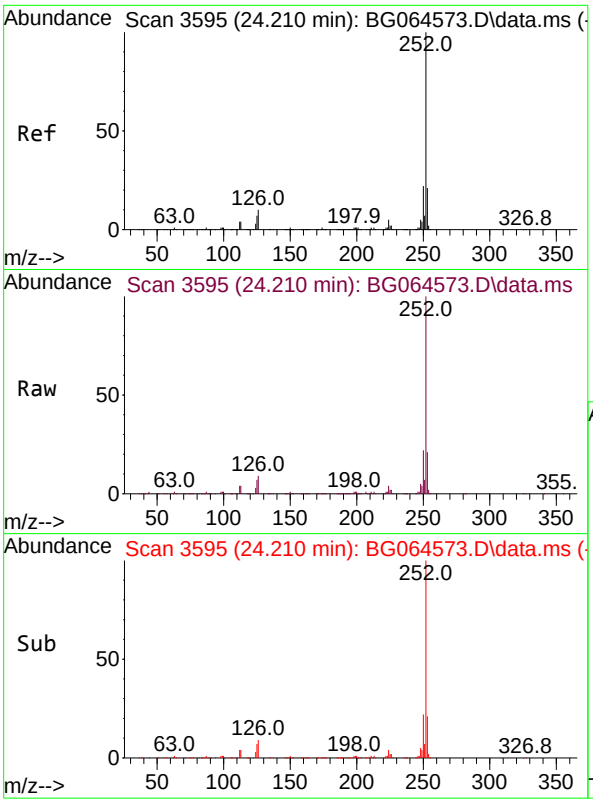


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

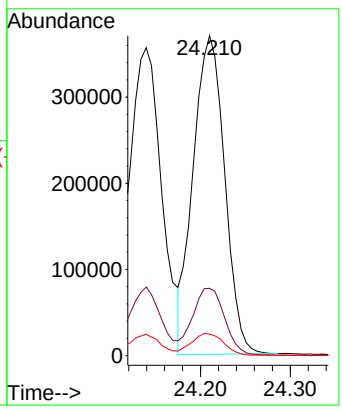




#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 90170

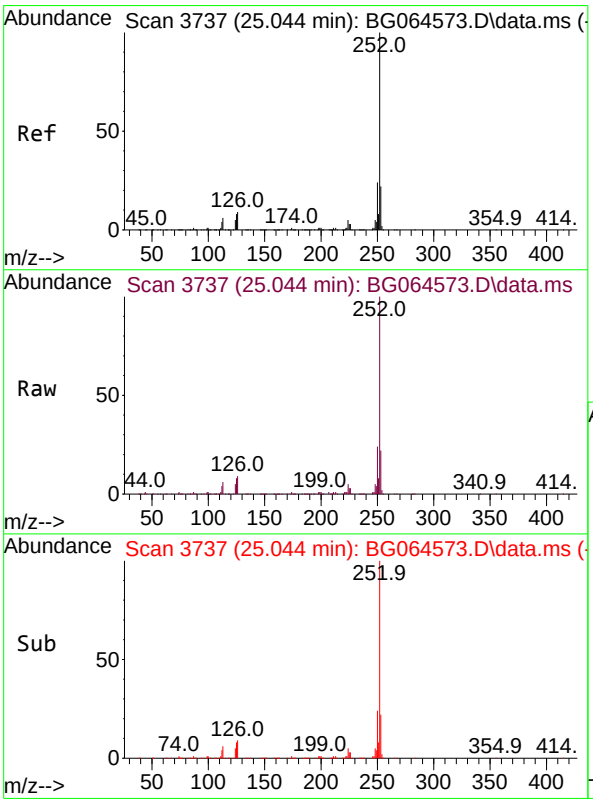
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

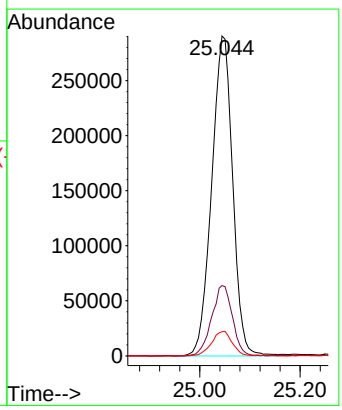
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

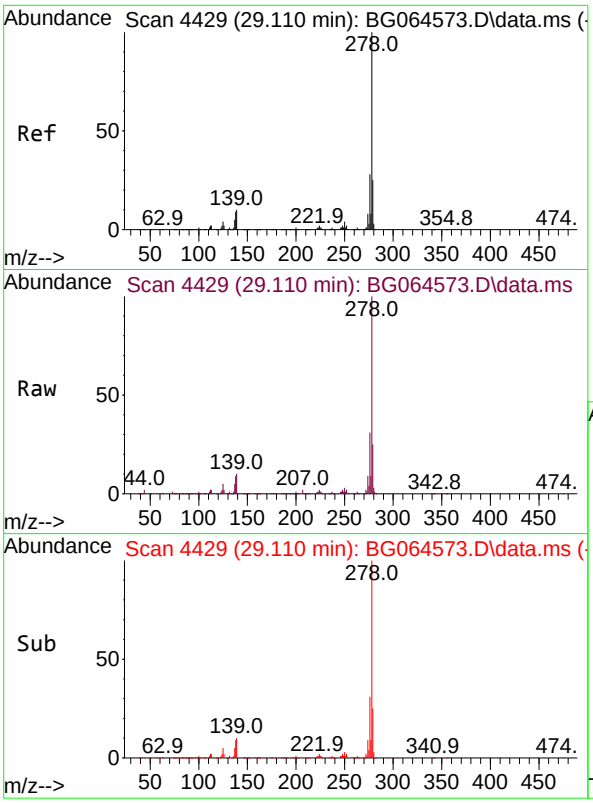


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

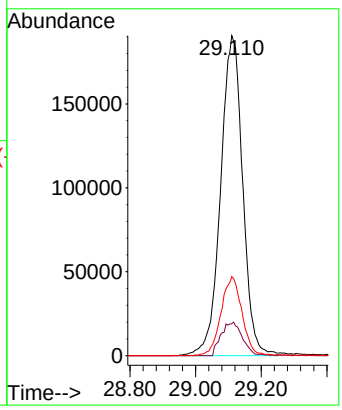




#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:278 Resp: 889808

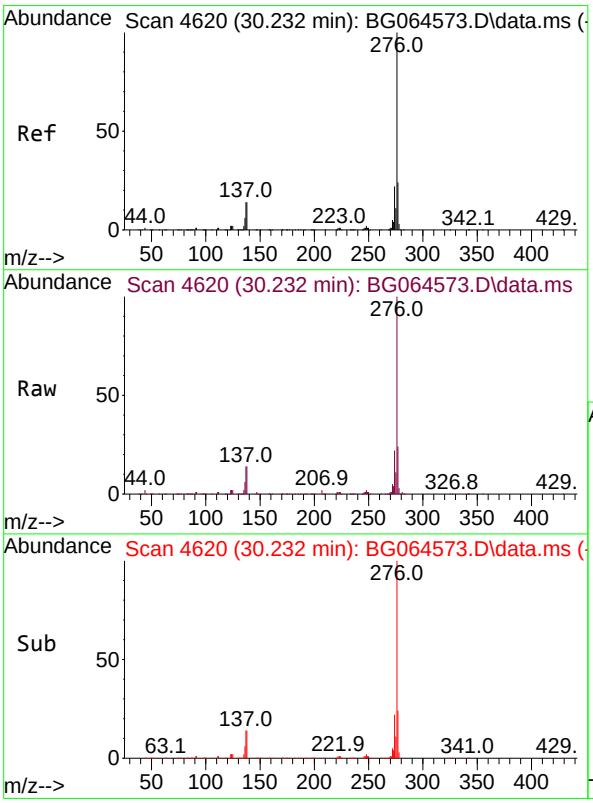
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

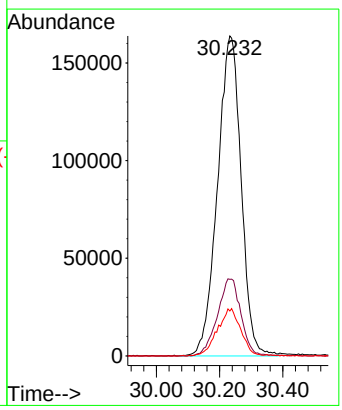
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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

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

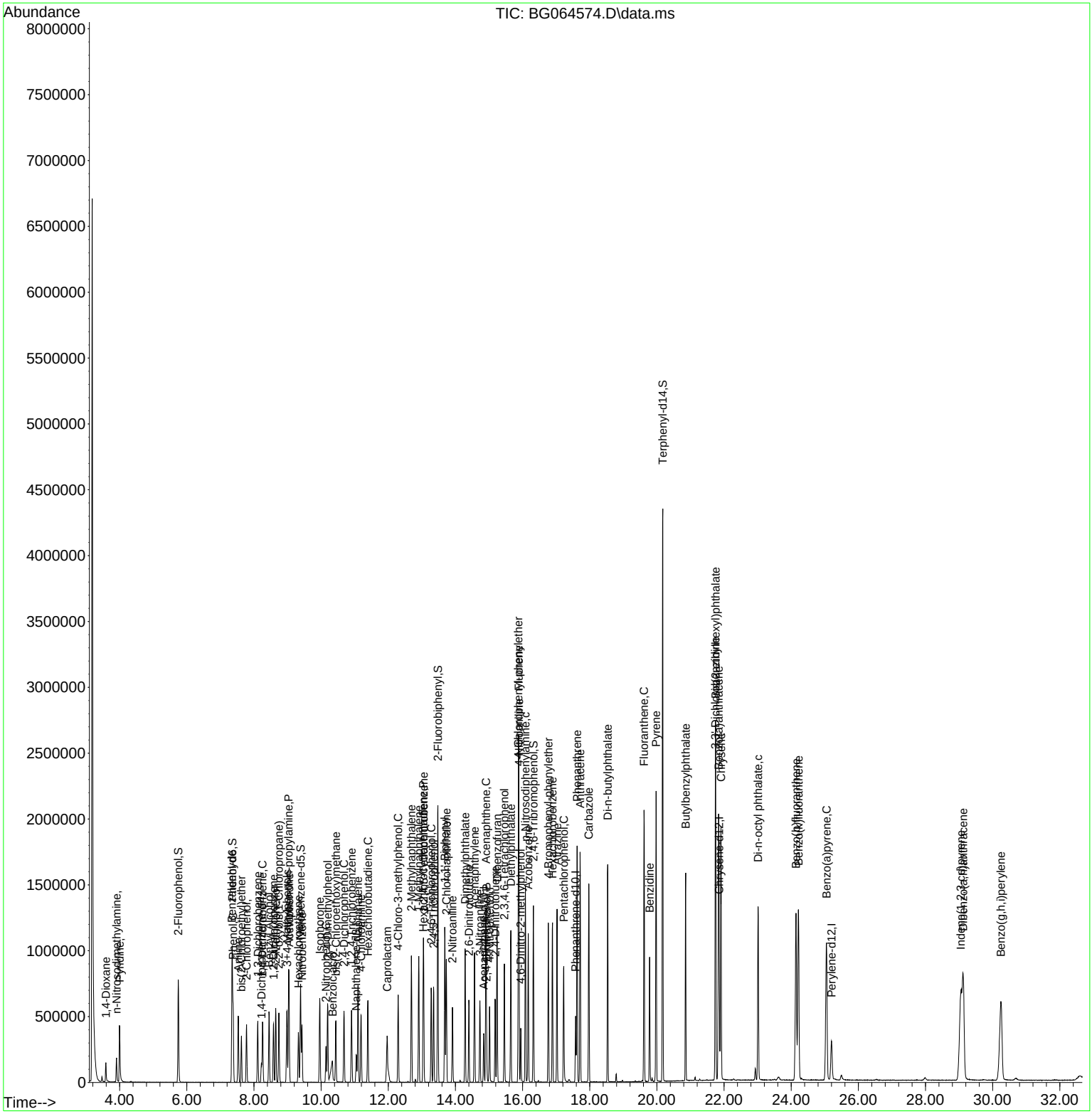
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

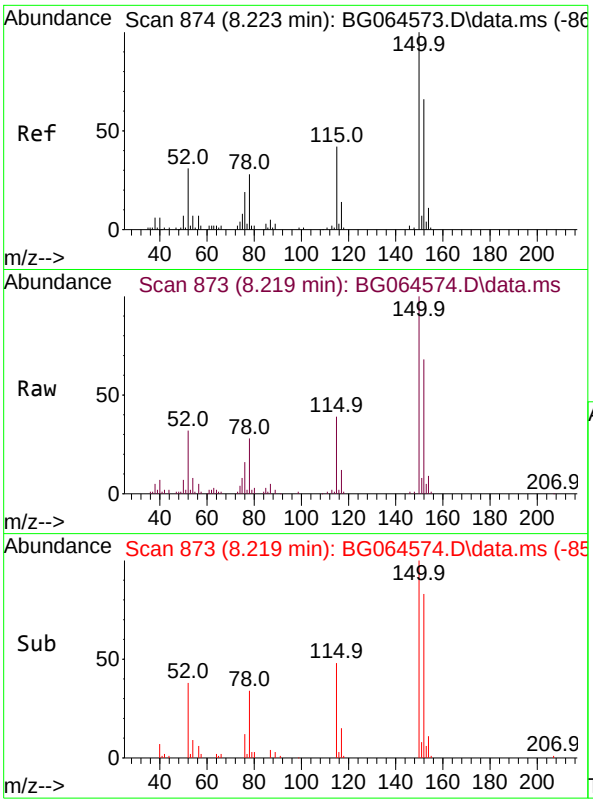
Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

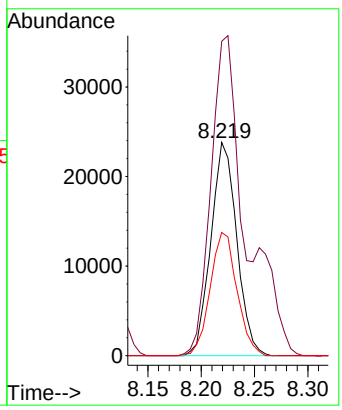




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

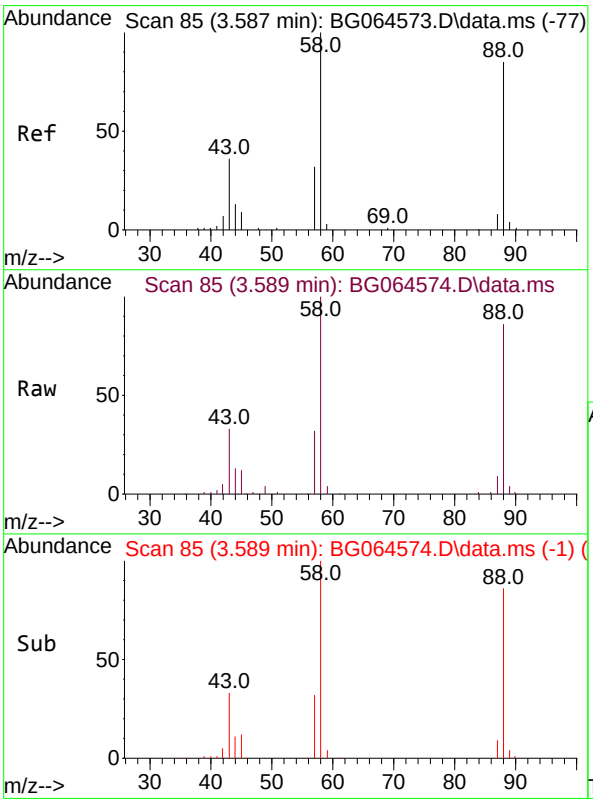
Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

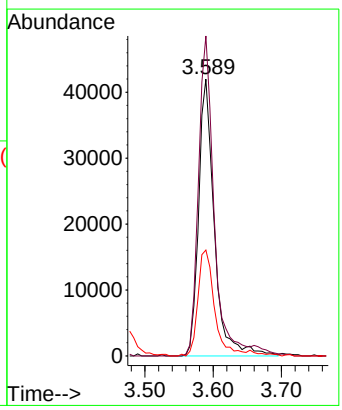
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

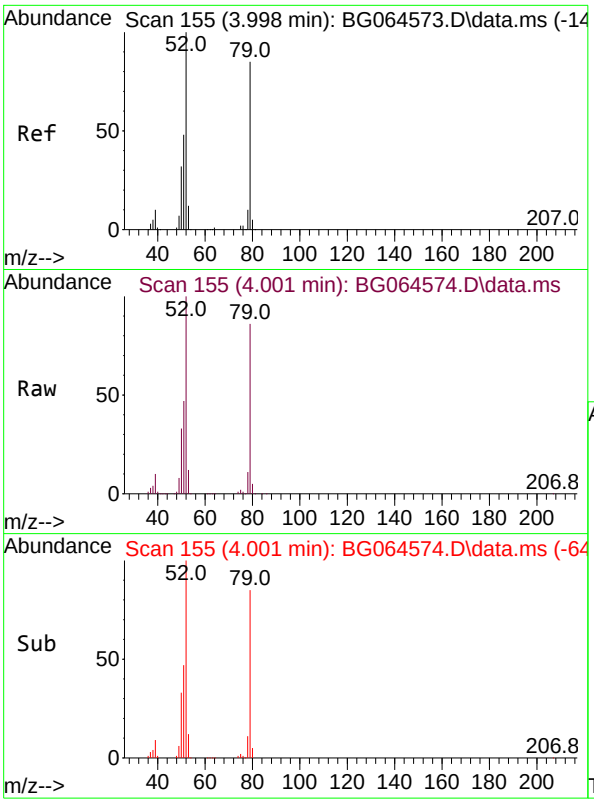


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

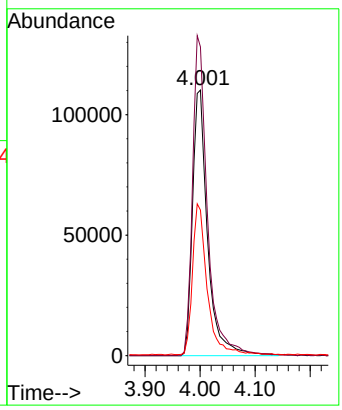




#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

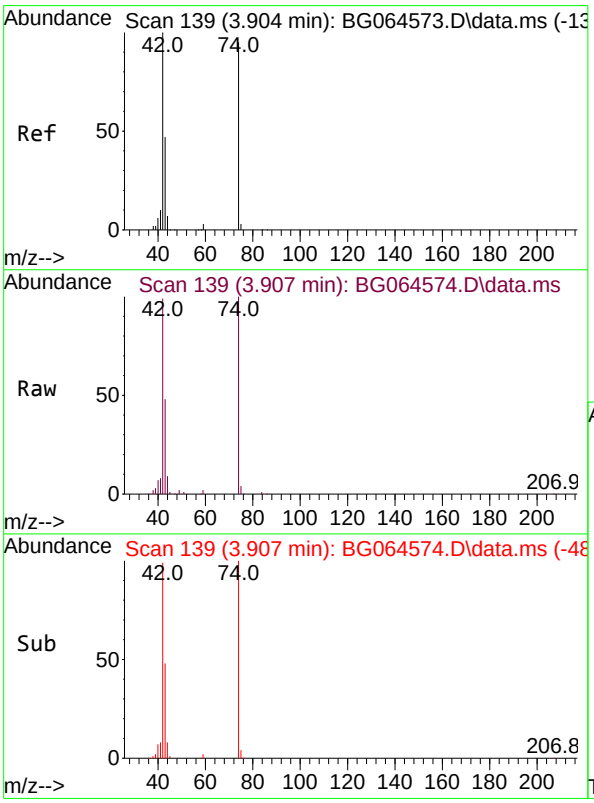
Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

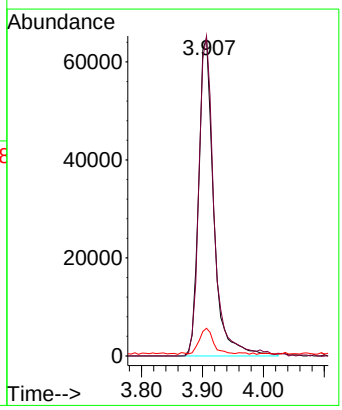
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

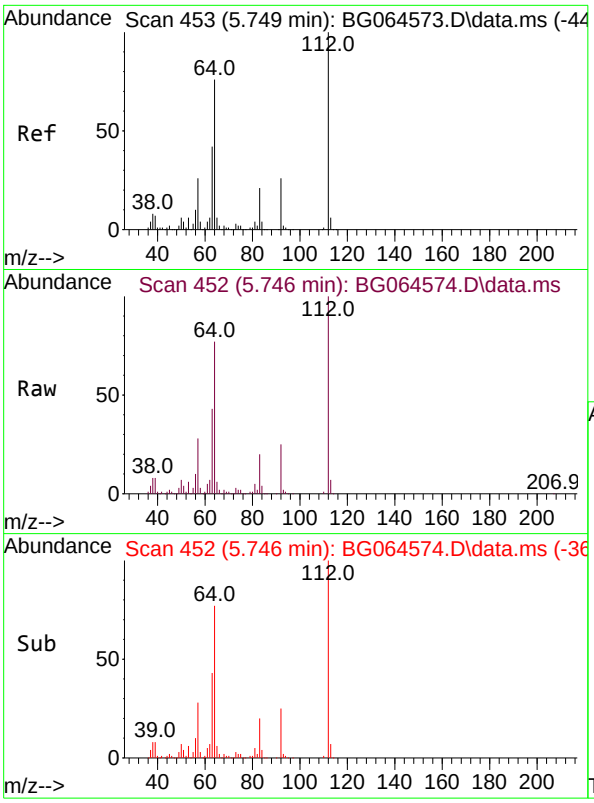


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

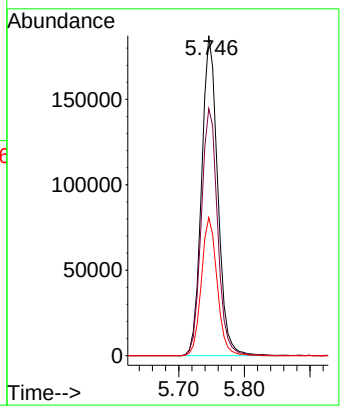
Tgt Ion:112 Resp: 31844

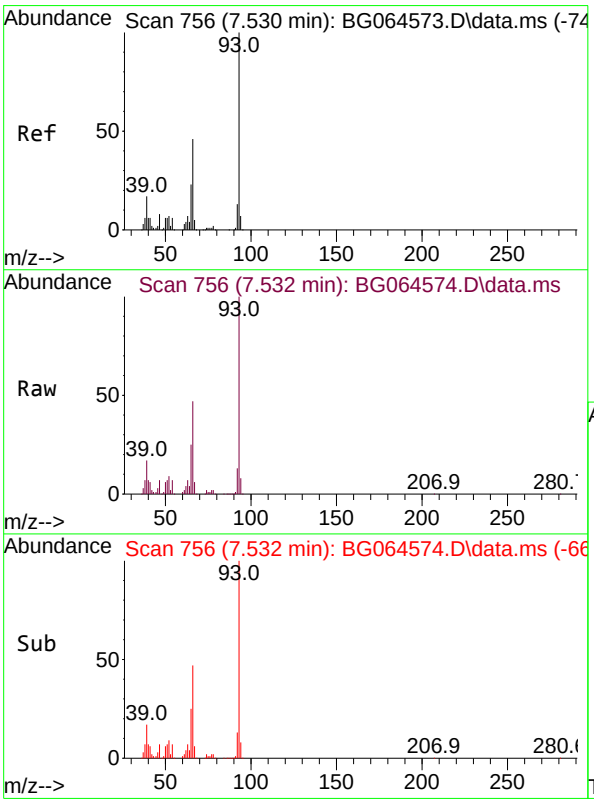
Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	43.1	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

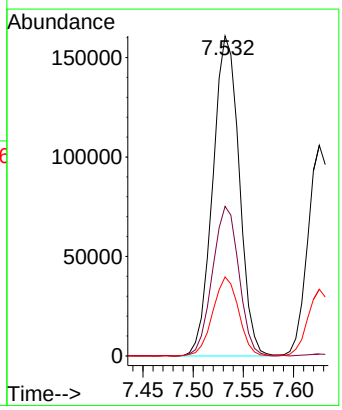


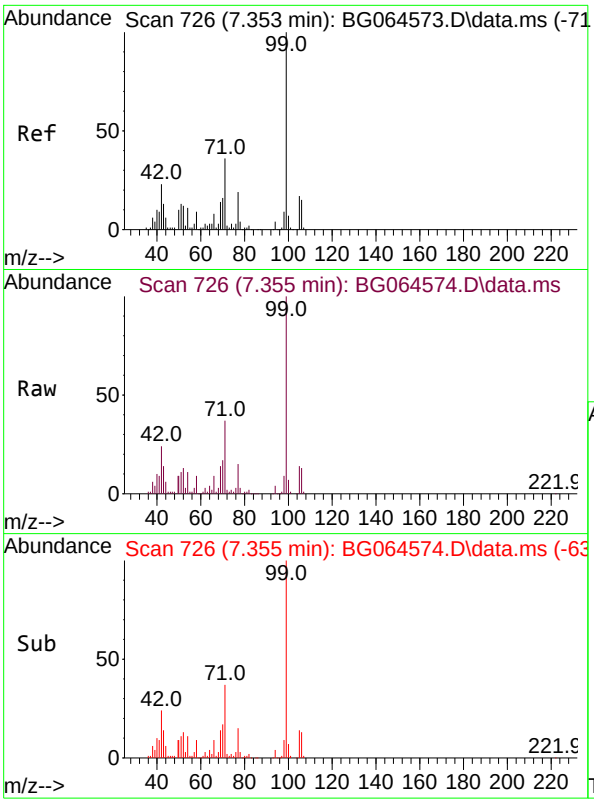


#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

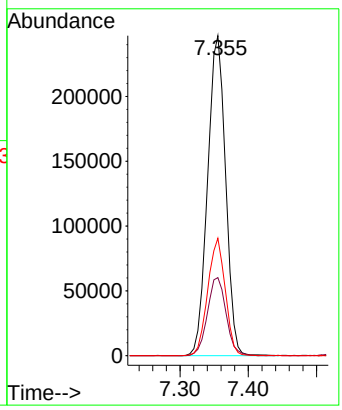




#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 99 Resp: 45044

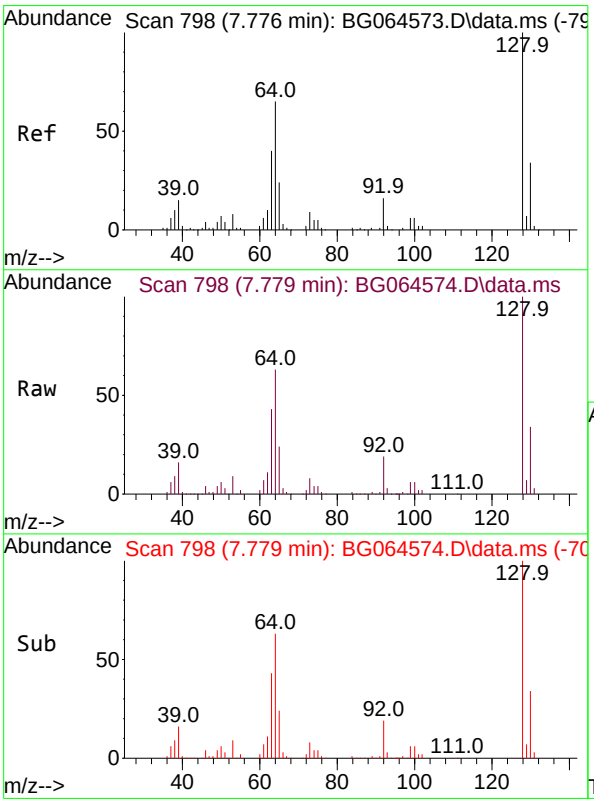
Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.7	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

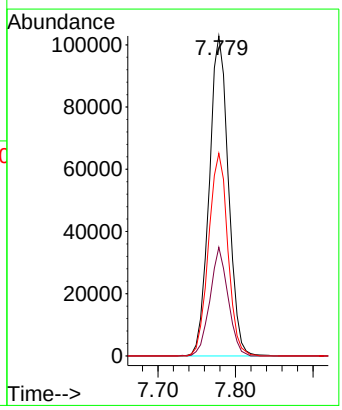
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

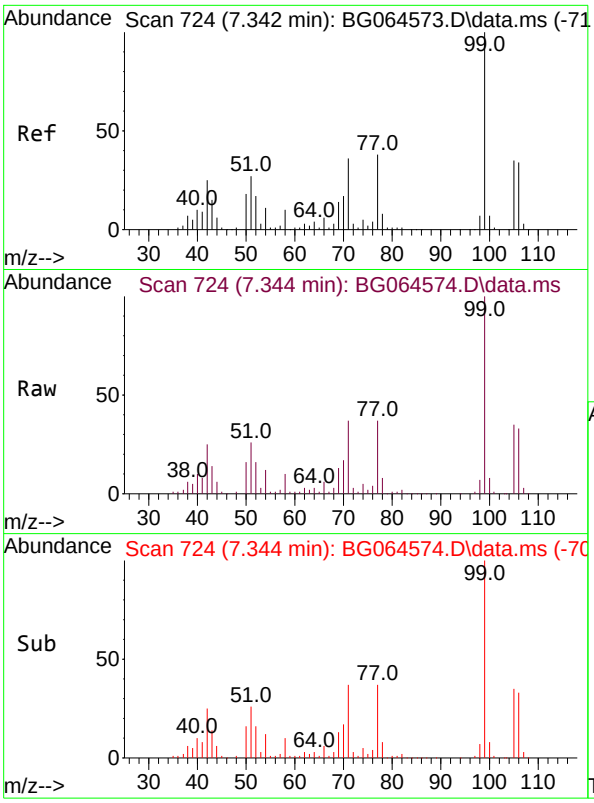


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

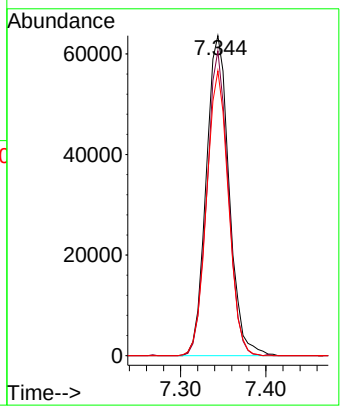




#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 11855

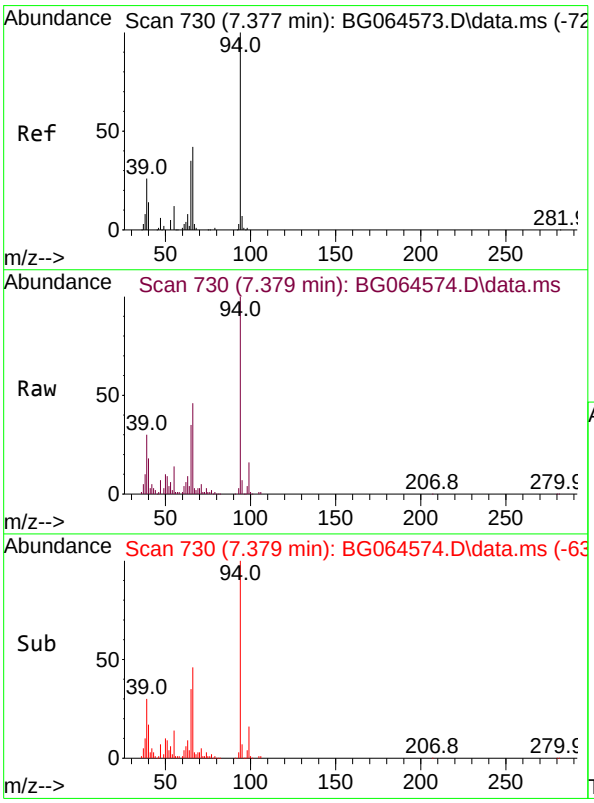
Ion	Ratio	Lower	Upper
77	100		
105	95.2	72.9	112.9
106	89.0	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

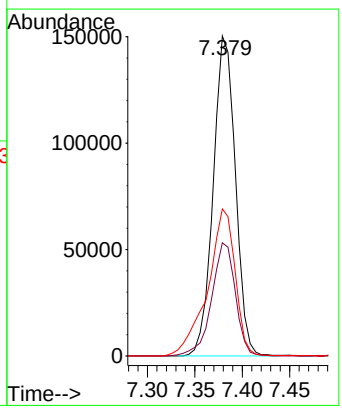
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

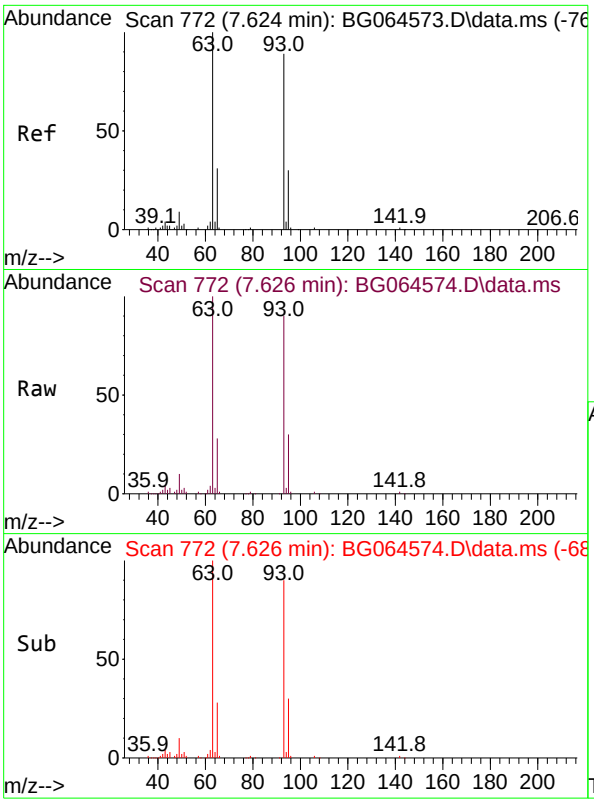


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

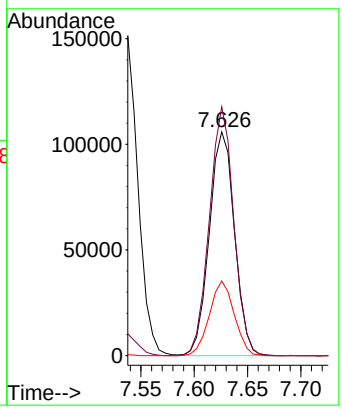




#11
bis(2-Chloroethyl)ether
Concen: 65.126 ng
RT: 7.626 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 17433

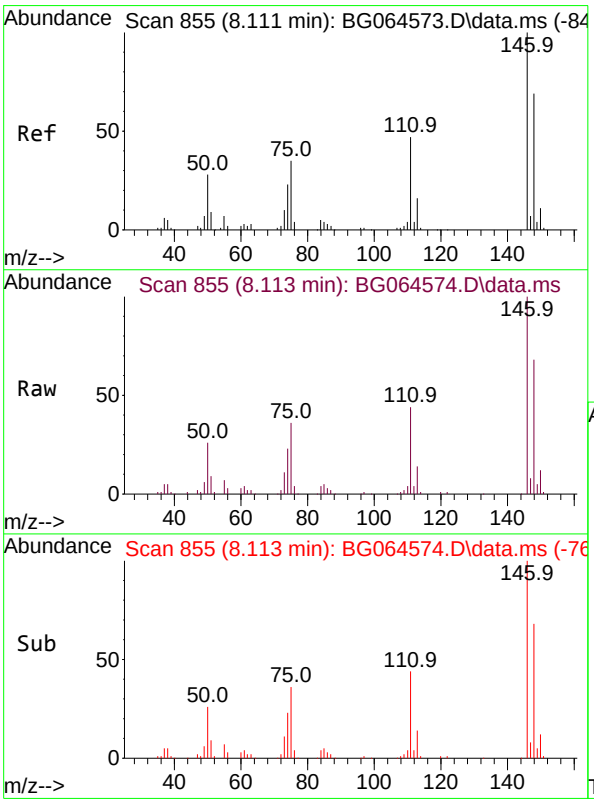
Ion	Ratio	Lower	Upper
93	100		
63	111.2	91.3	131.3
95	33.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

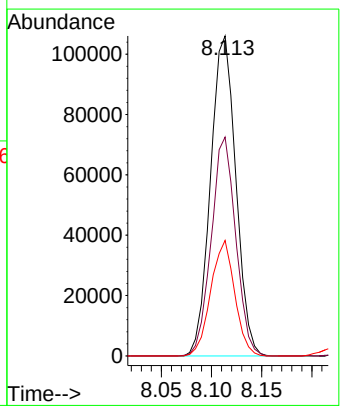
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

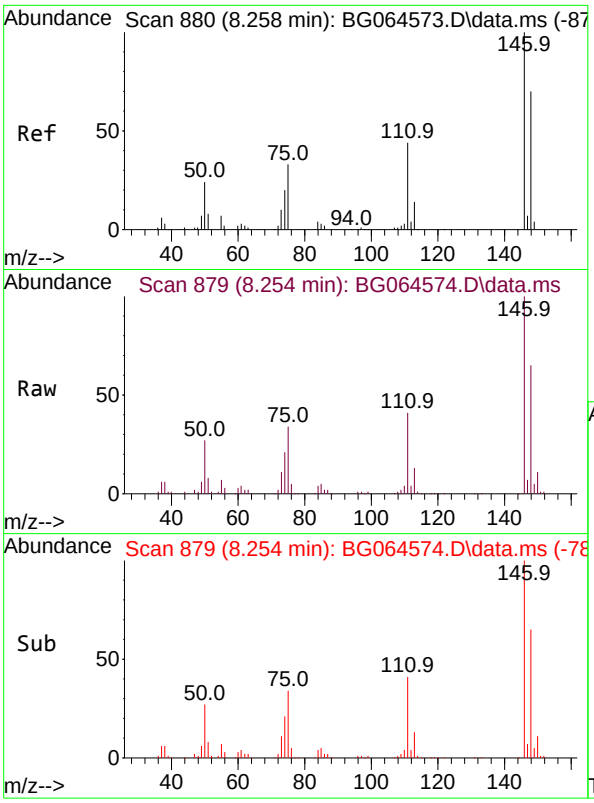


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

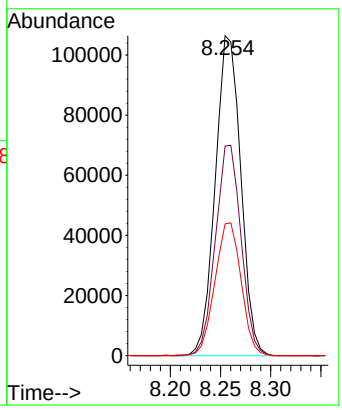




#13
1,4-Dichlorobenzene
Concen: 64.156 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 18855

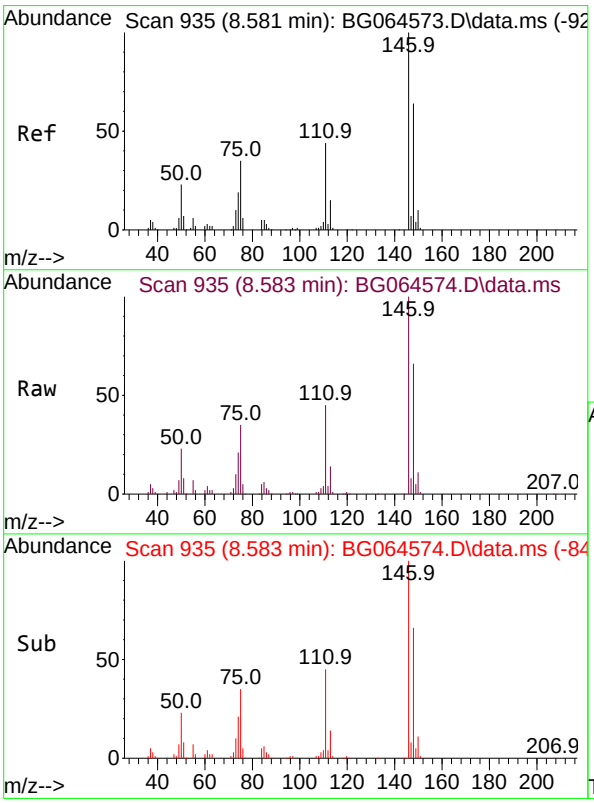
Ion	Ratio	Lower	Upper
146	100		
148	65.5	56.2	84.4
111	41.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

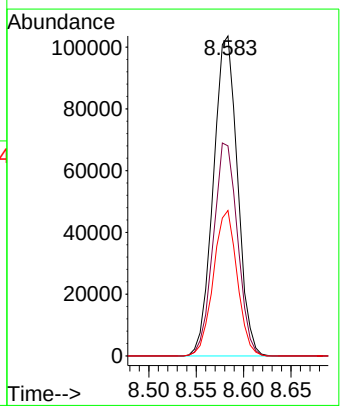
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

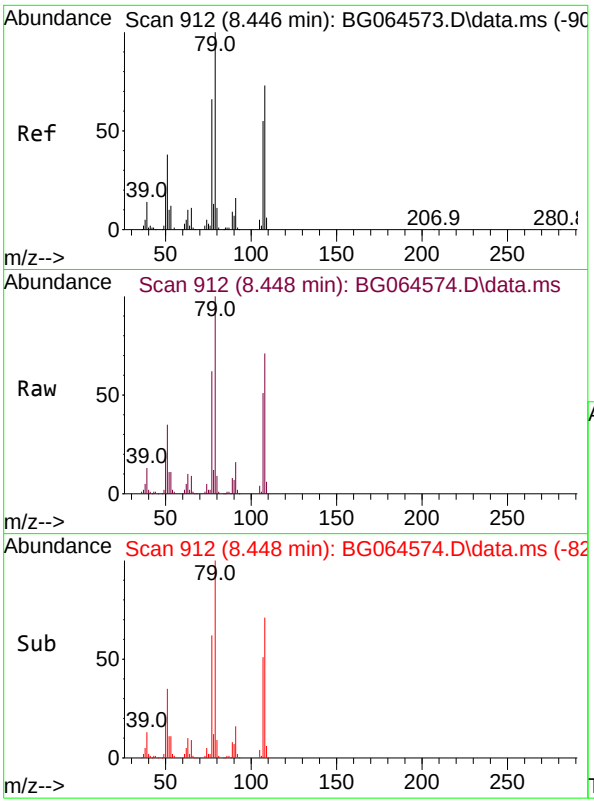


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

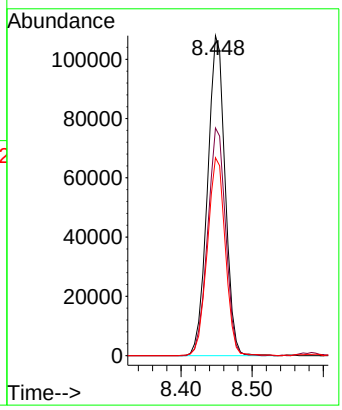




#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 18515

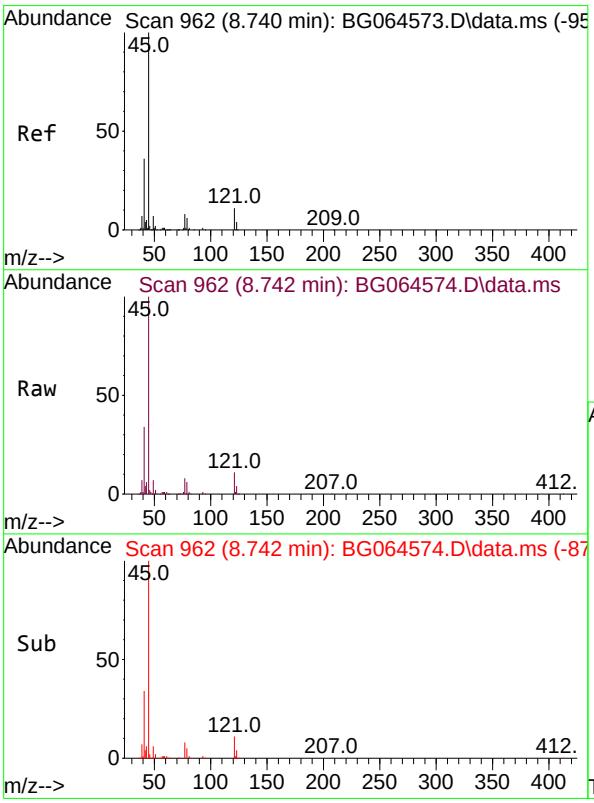
Ion	Ratio	Lower	Upper
79	100		
108	71.1	58.1	87.1
77	61.8	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

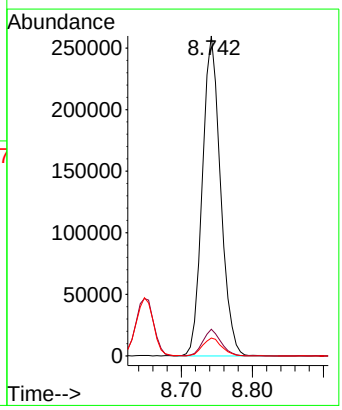
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

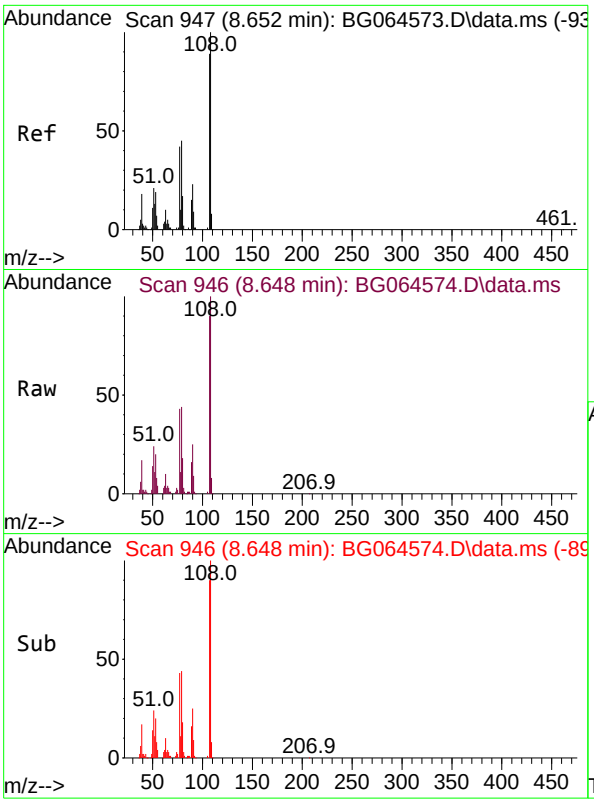


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

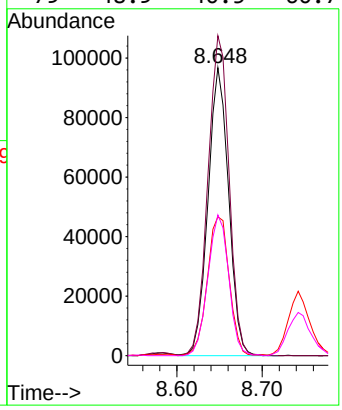




#17
2-Methylphenol
Concen: 67.237 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 16253

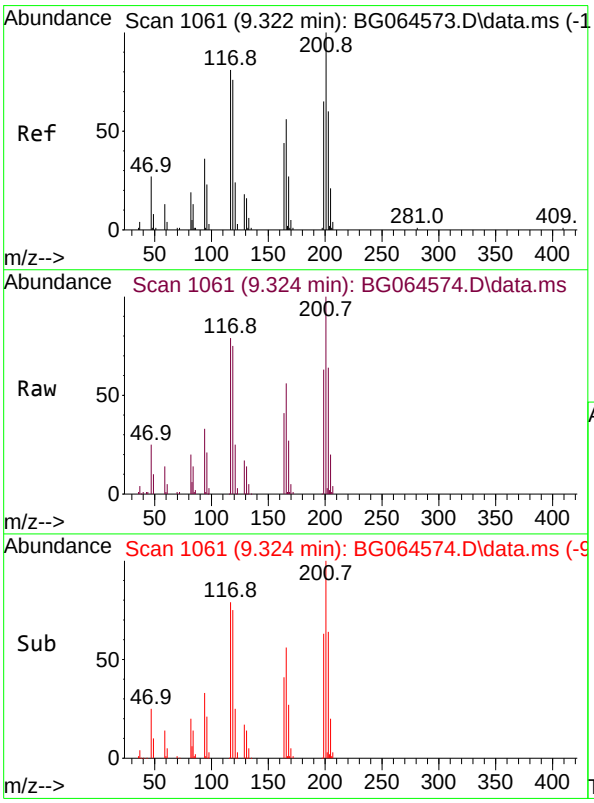
Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.0	135.0
77	48.2	37.8	56.8
79	48.9	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

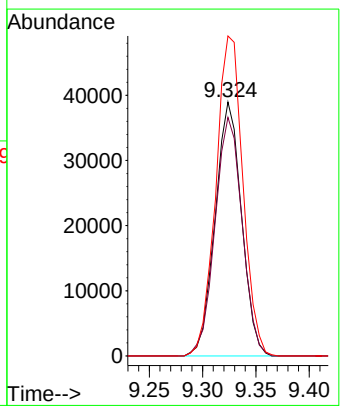
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

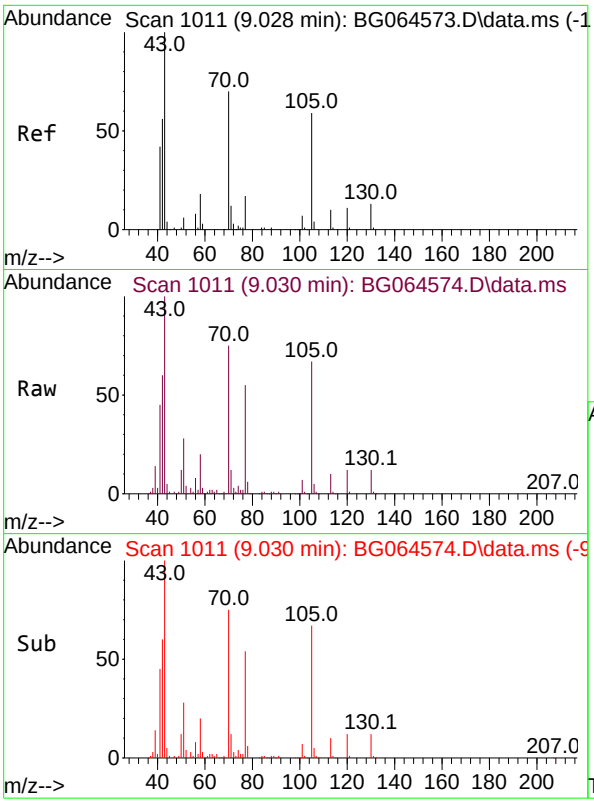


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

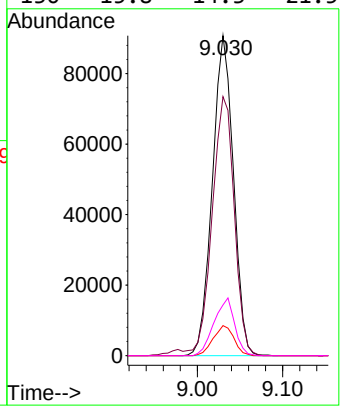




#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 70 Resp: 15568

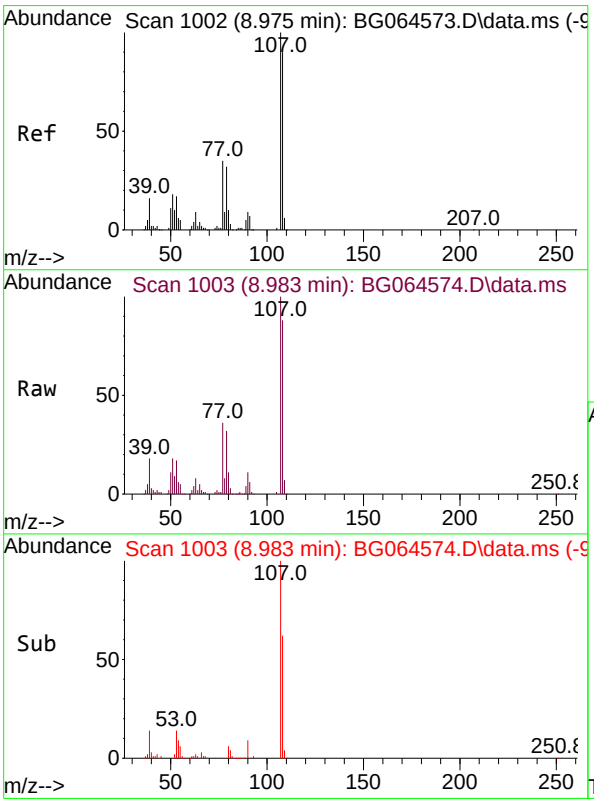
Ion	Ratio	Lower	Upper
70	100		
42	80.9	65.2	97.8
101	9.4	7.9	11.9
130	15.8	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

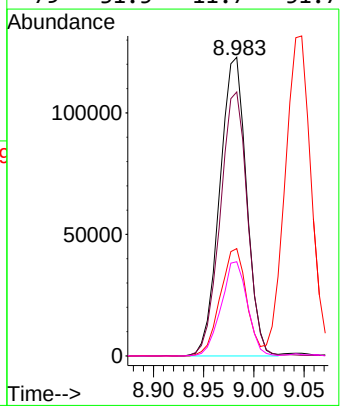
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

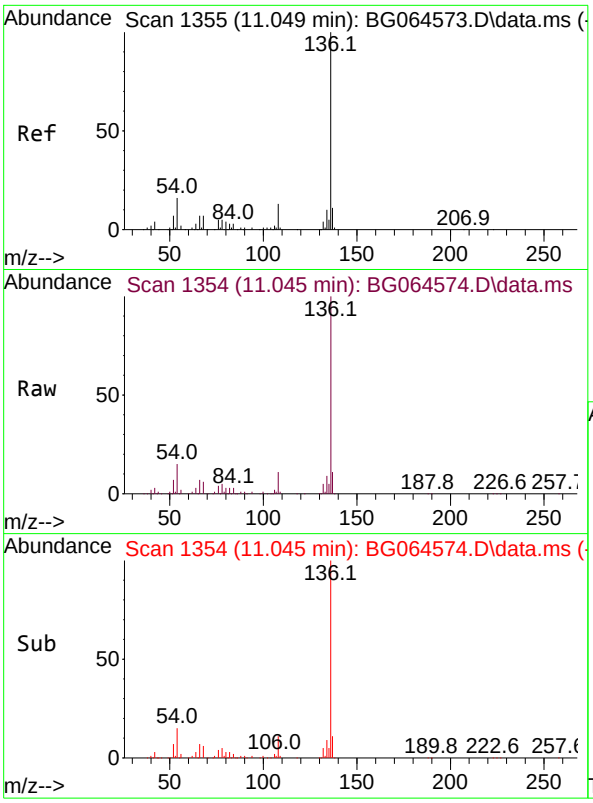


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

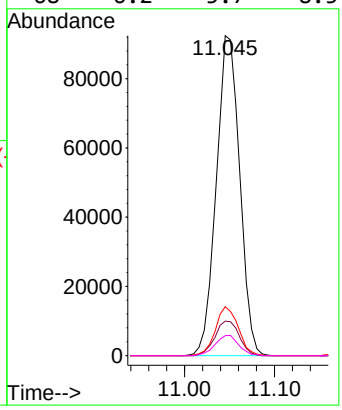




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:136 Resp: 16800

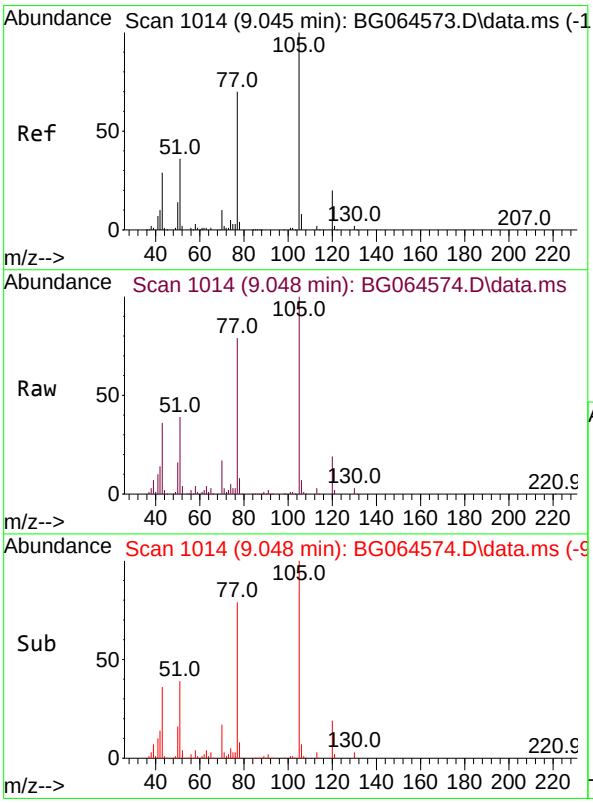
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	15.3	12.6	19.0
68	6.2	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

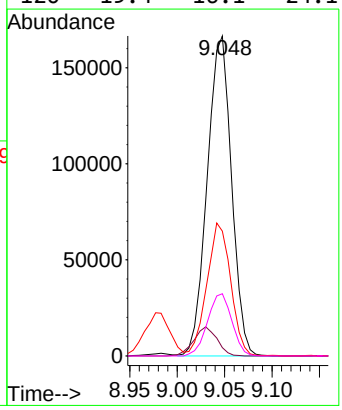
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

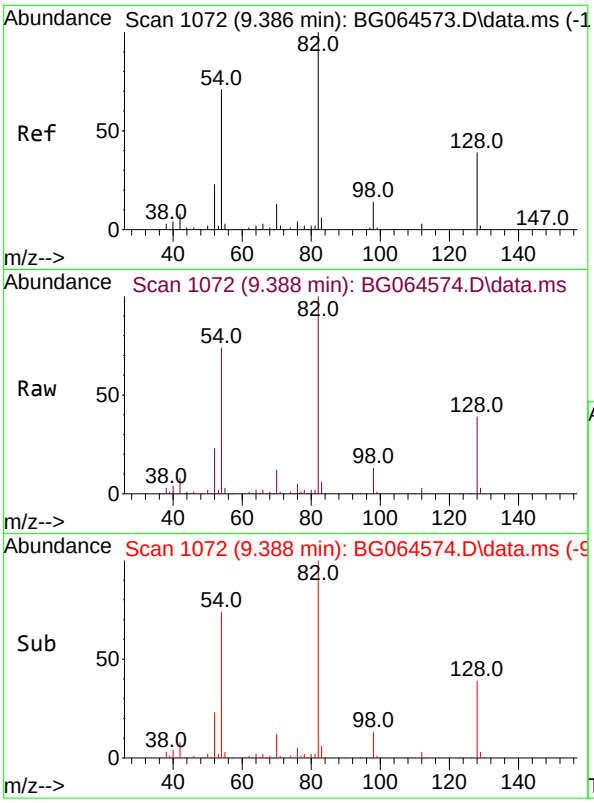


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

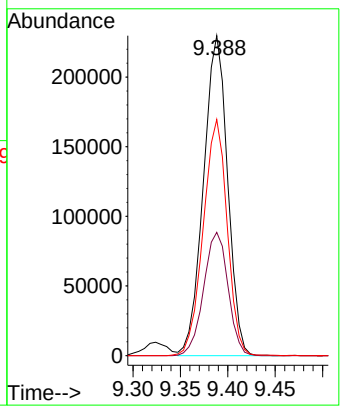




#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 40626

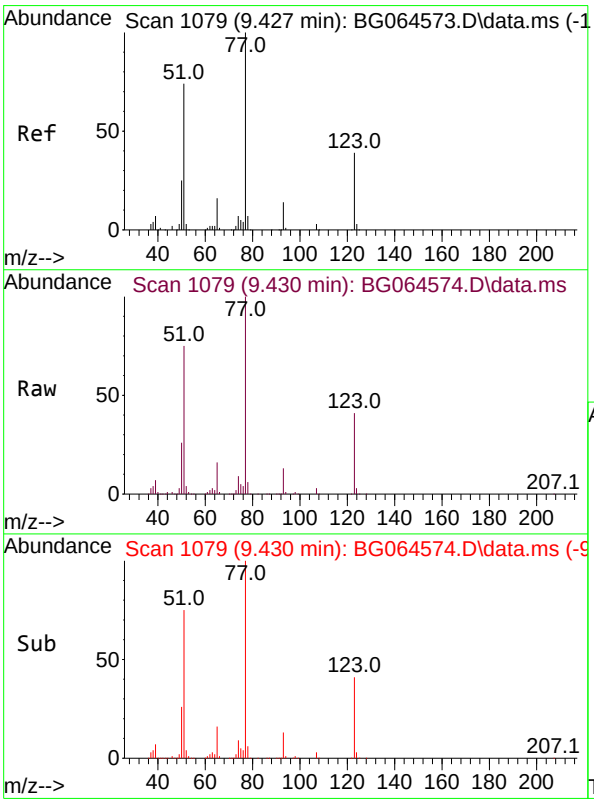
Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.3	46.9
54	73.8	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

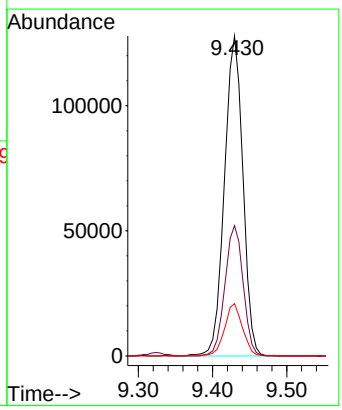
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

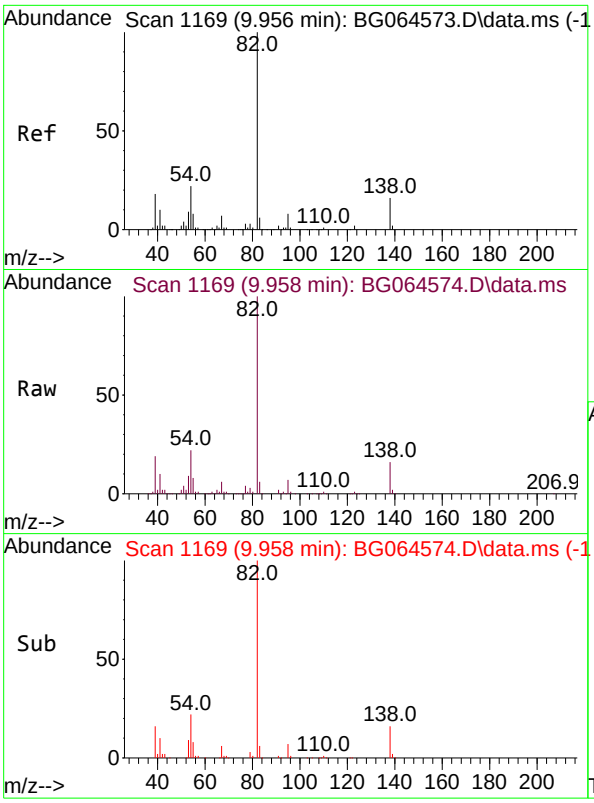


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

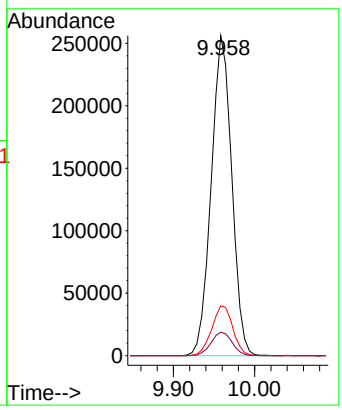




#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 449298

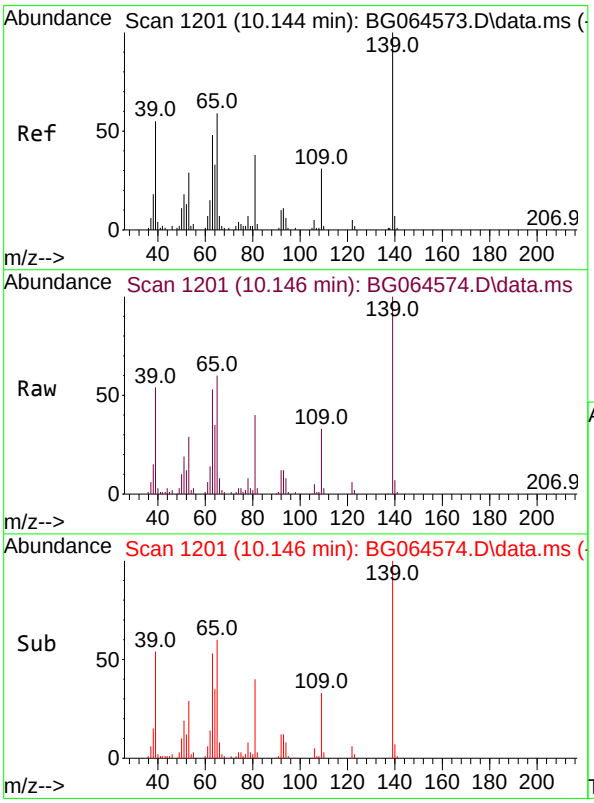
Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.6	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

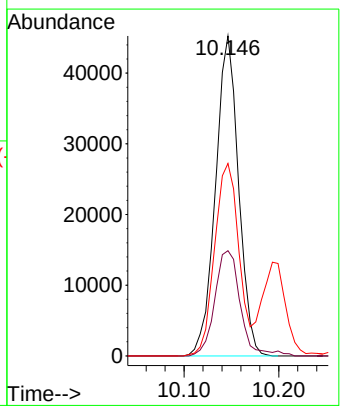
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

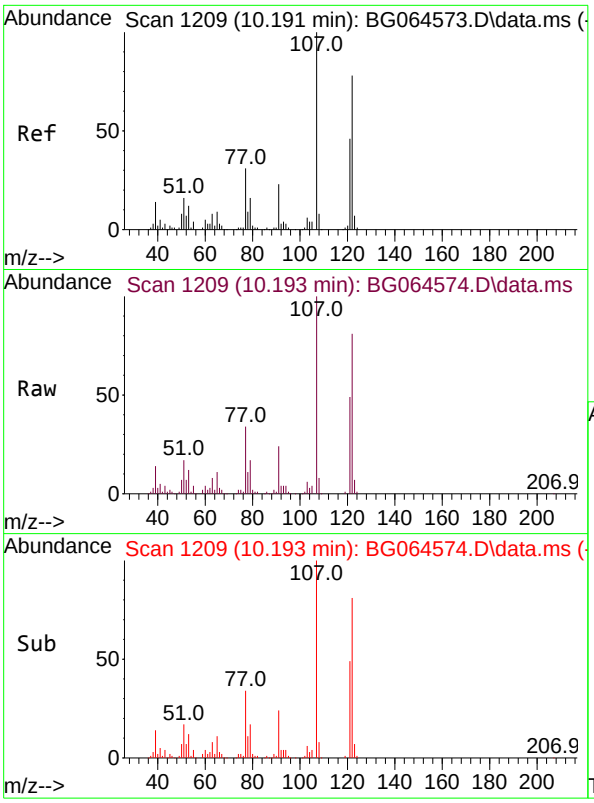


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

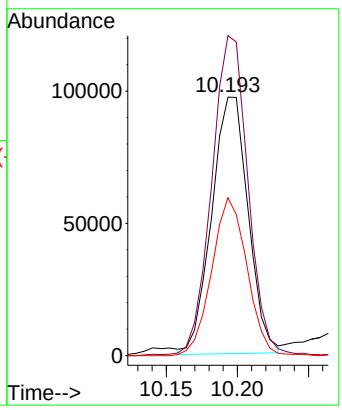




#27
2,4-Dimethylphenol
Concen: 69.317 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 17306

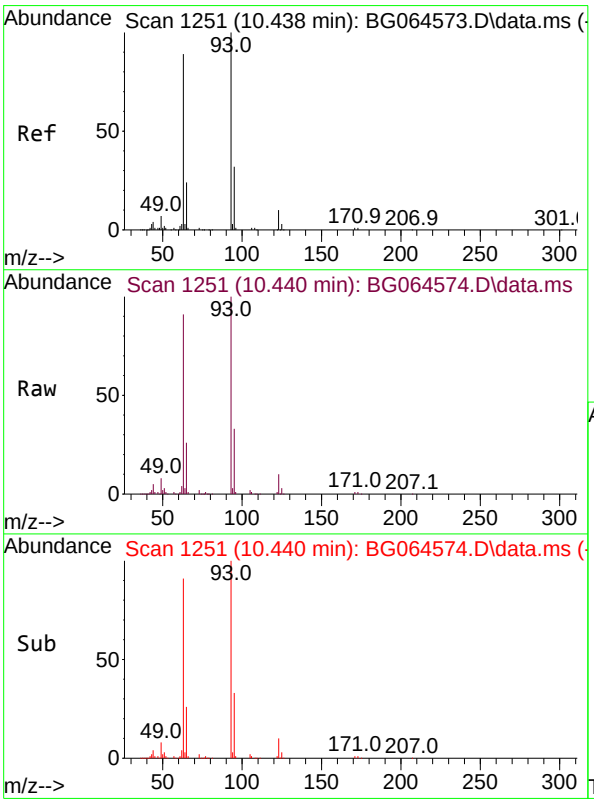
Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

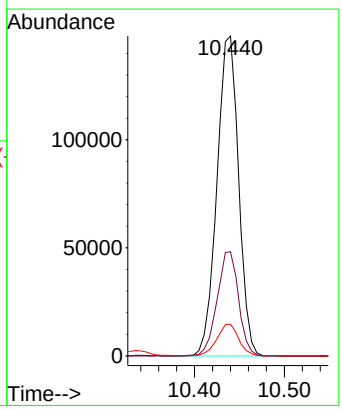
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

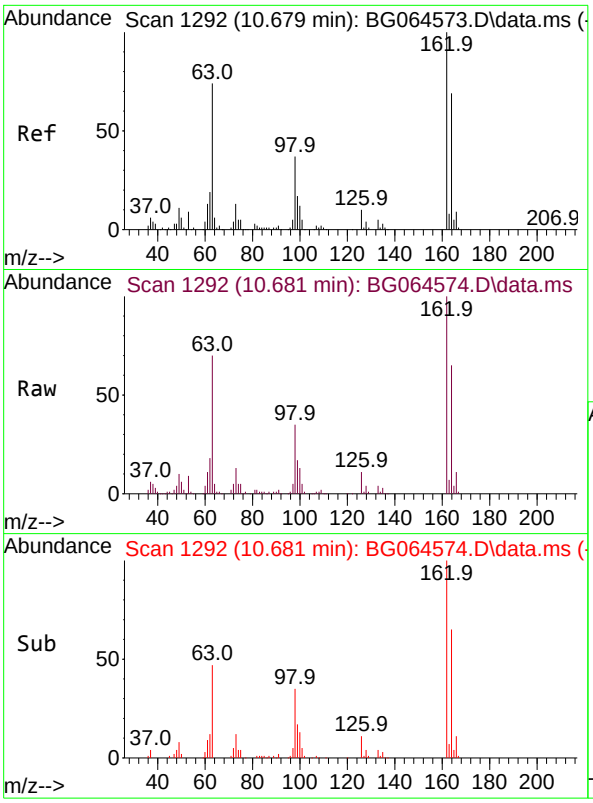


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

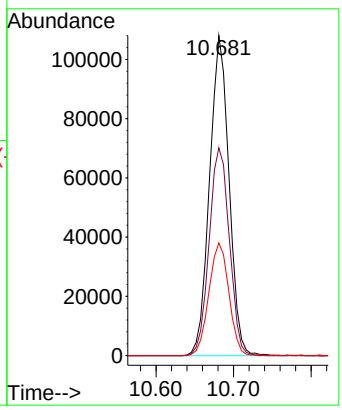
Tgt Ion:162 Resp: 18823

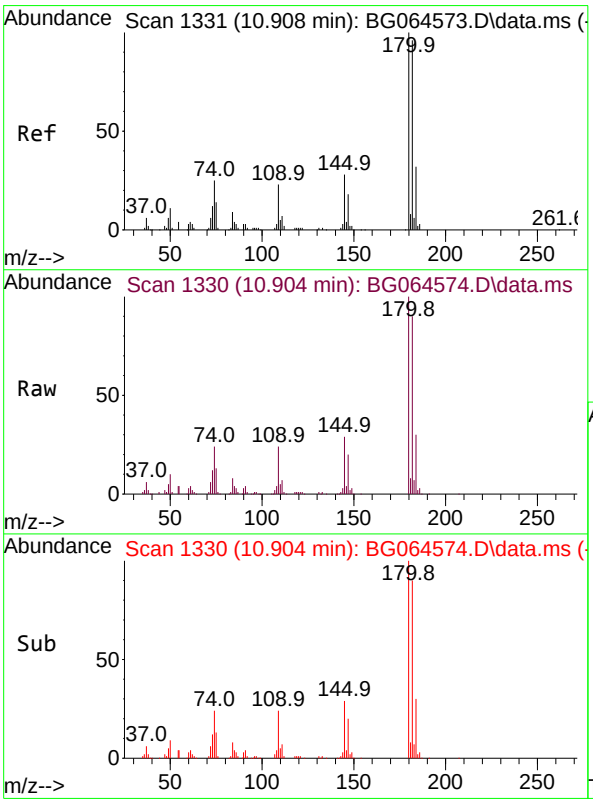
Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	35.2	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

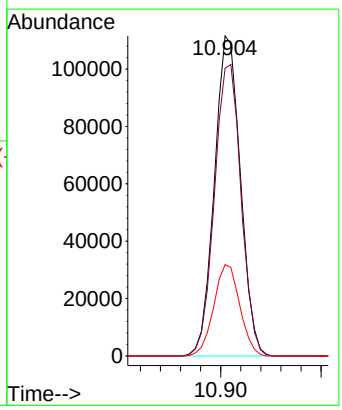


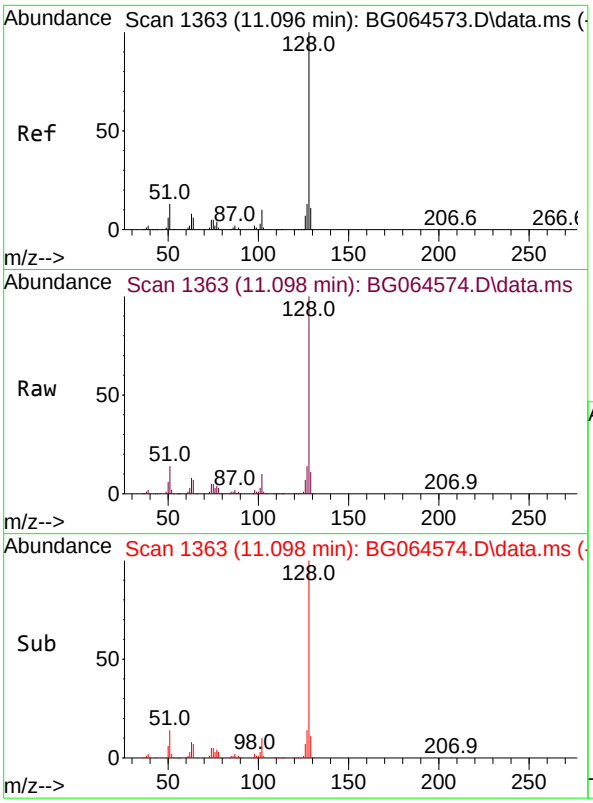


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

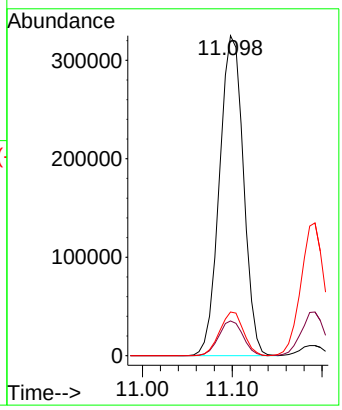




#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 60523

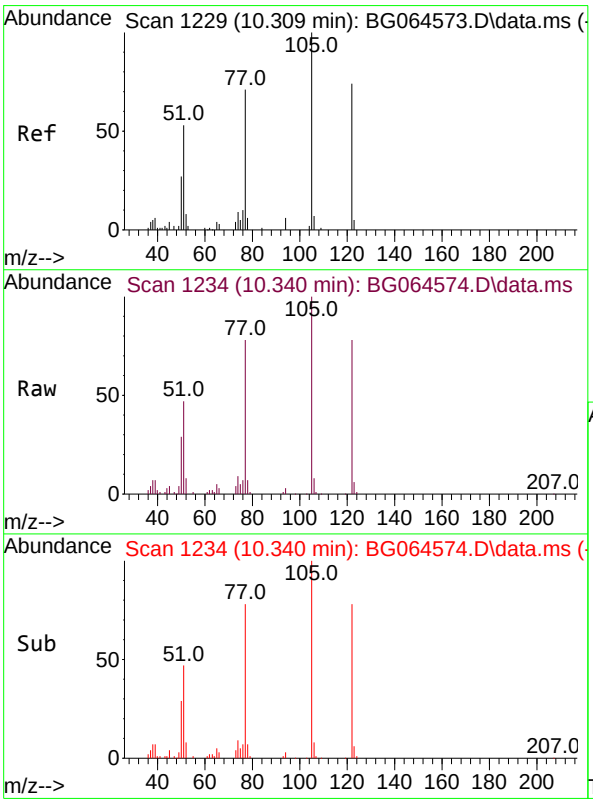
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

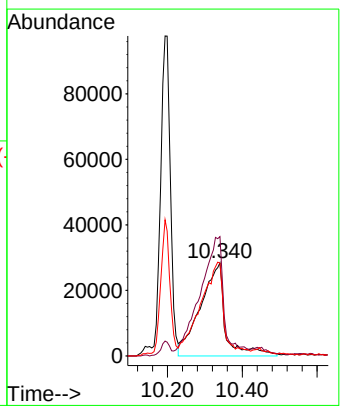
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

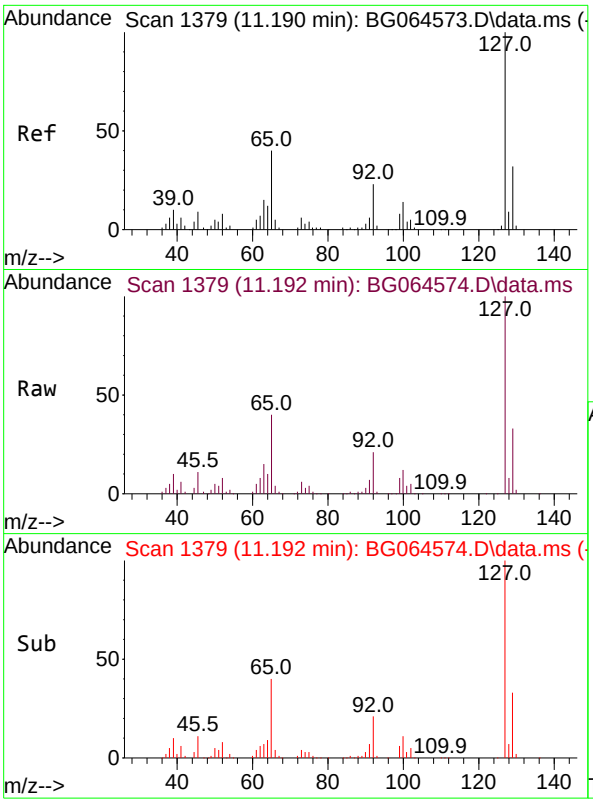


#32
Benzoic acid
Concen: 65.612 ng m
RT: 10.340 min Scan# 1234
Delta R.T. 0.031 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

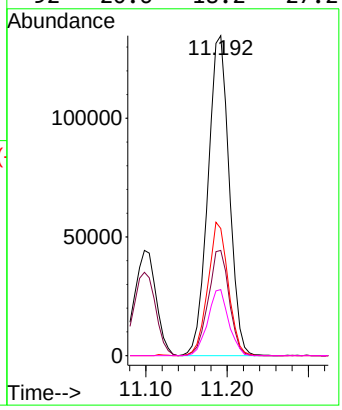




#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:127 Resp: 245101

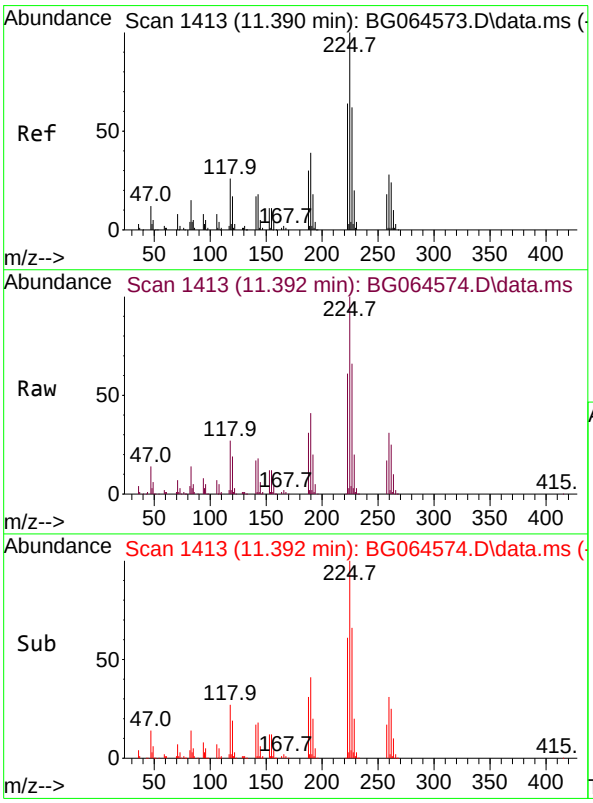
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	39.7	32.2	48.4
92	20.6	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

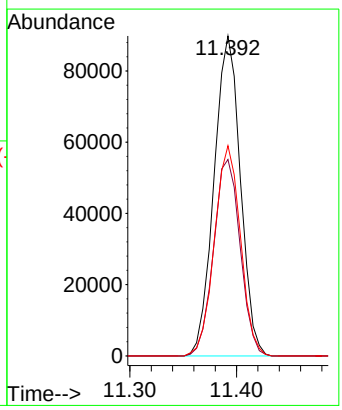
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

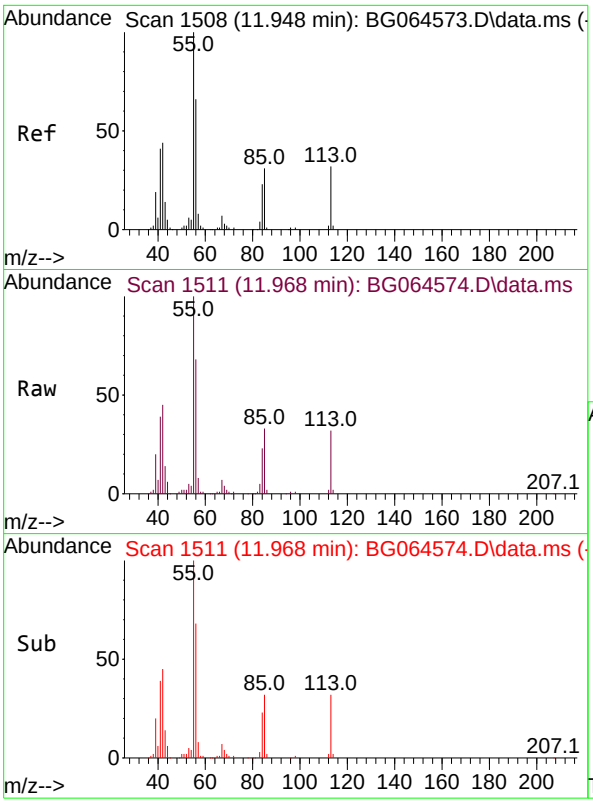


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

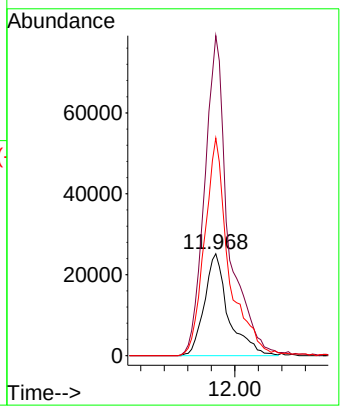




#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. 0.020 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:113 Resp: 7131

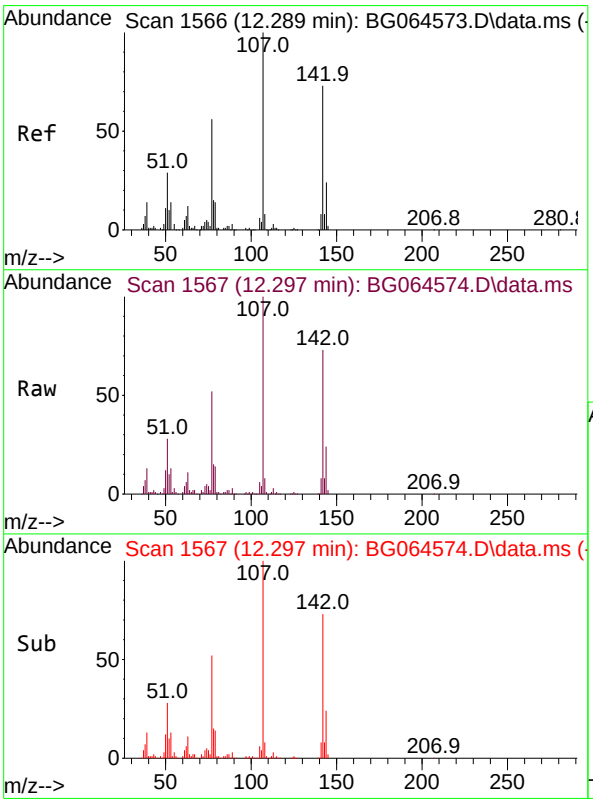
Ion	Ratio	Lower	Upper
113	100		
55	314.3	290.1	330.1
56	213.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

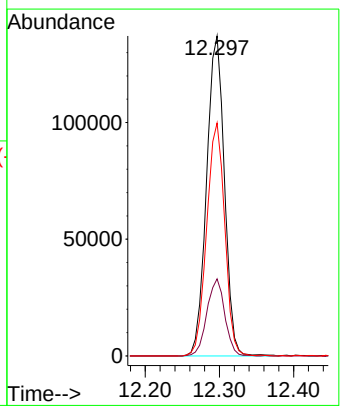
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

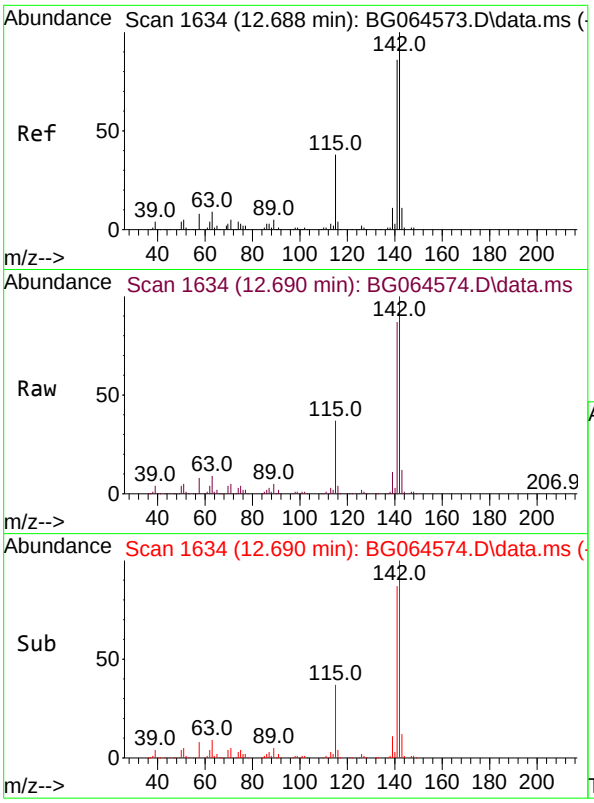


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

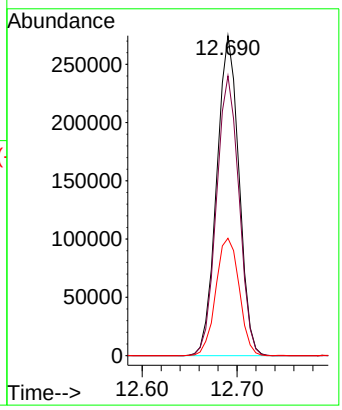




#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 44749

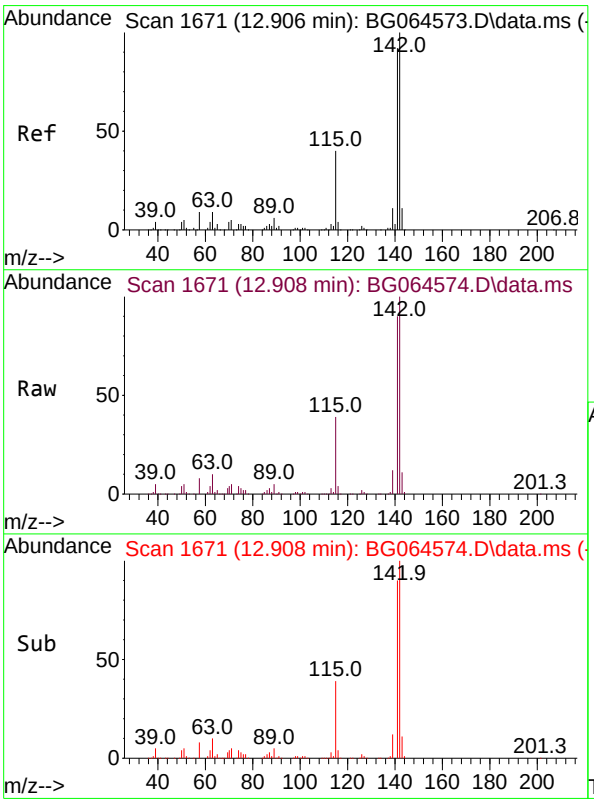
Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

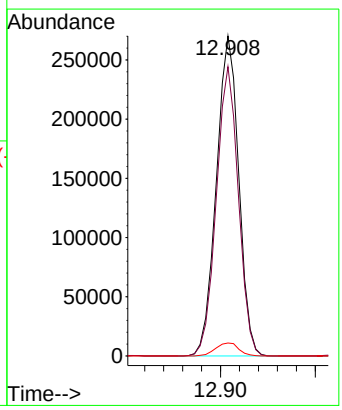
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

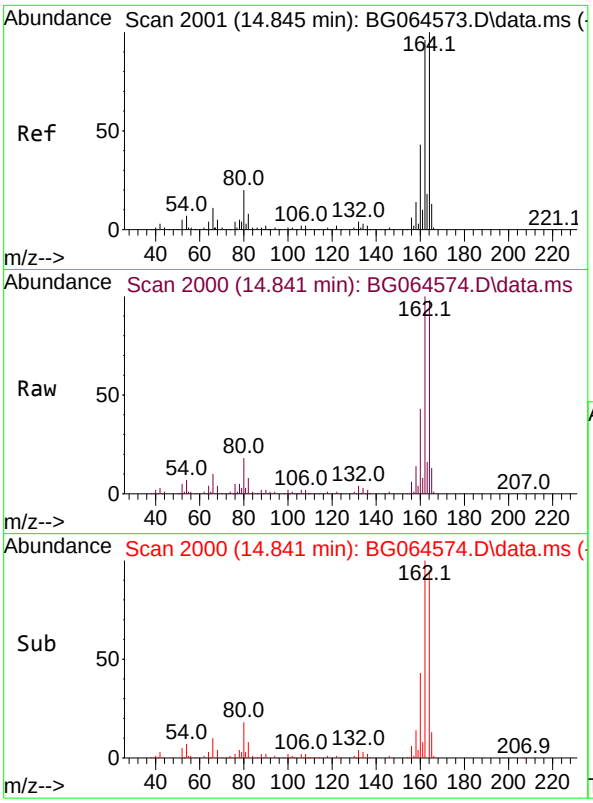


#38
1-Methylnaphthalene
Concen: 65.402 ng
RT: 12.908 min Scan# 1671
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

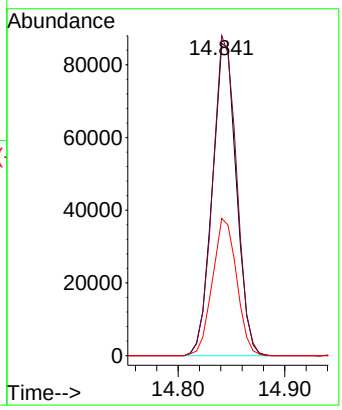




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:164 Resp: 13499

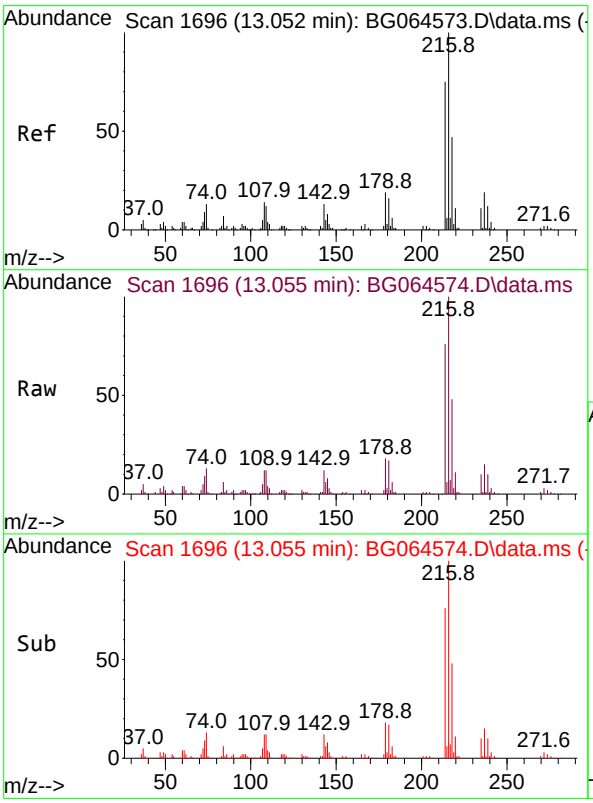
Ion	Ratio	Lower	Upper
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

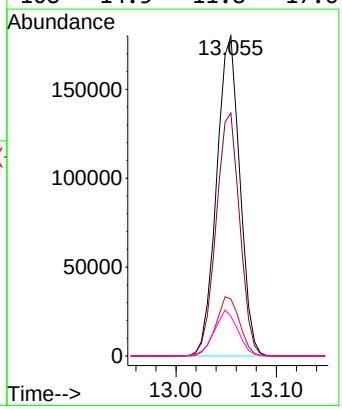
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

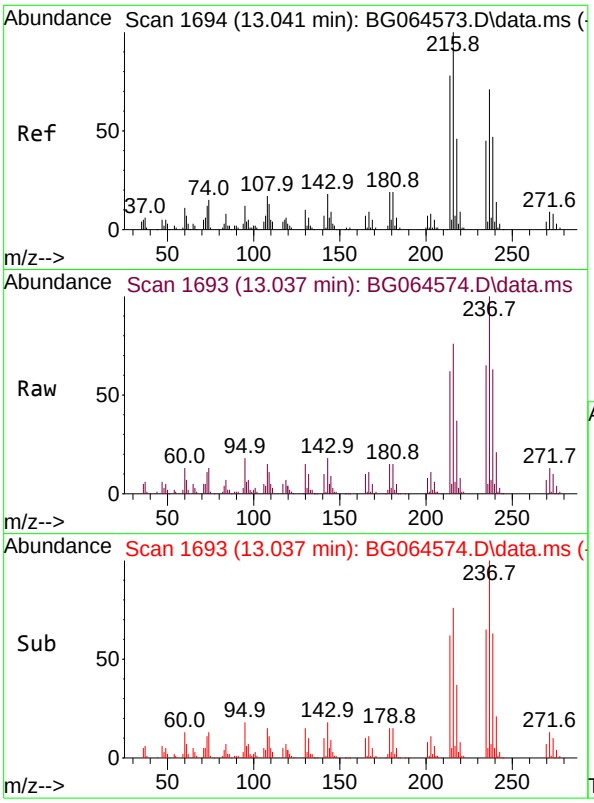


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

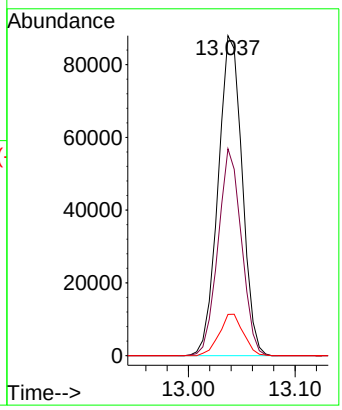




#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:237 Resp: 13772

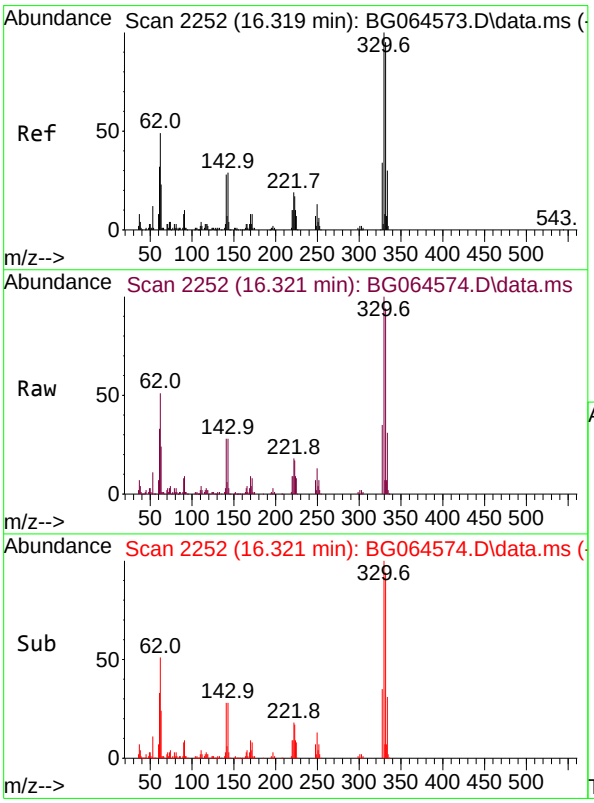
Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.1	84.1
272	12.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

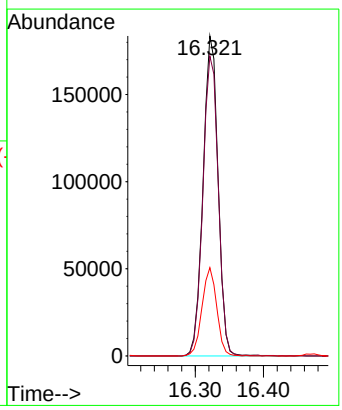
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

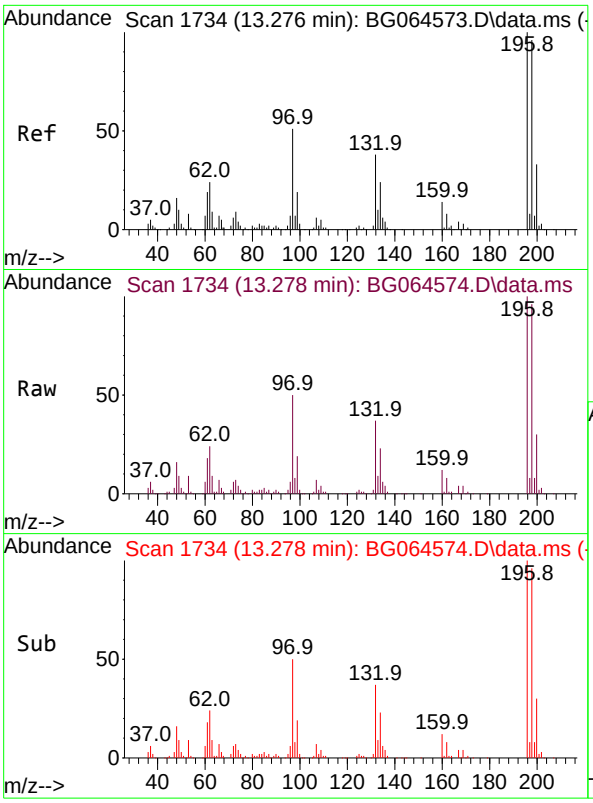


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.0	21.8	32.6

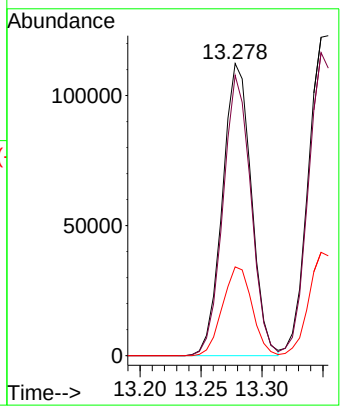




#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 18477

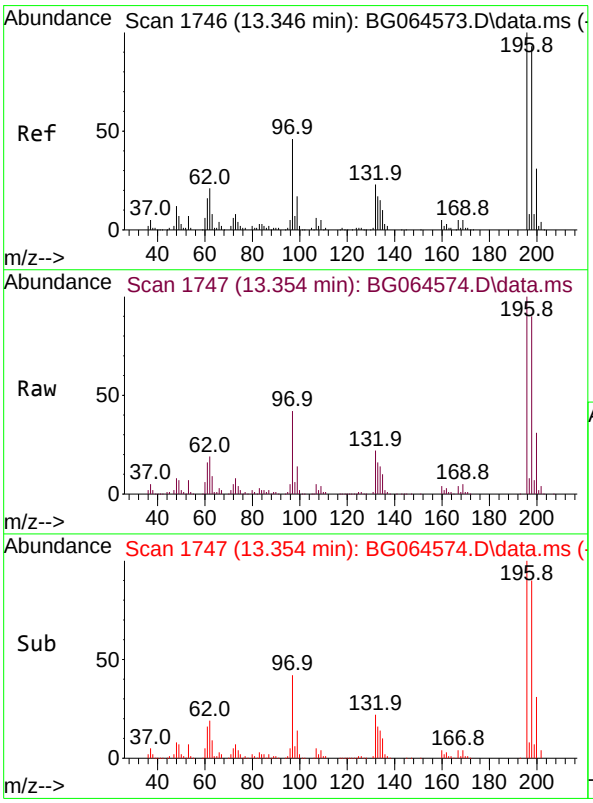
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

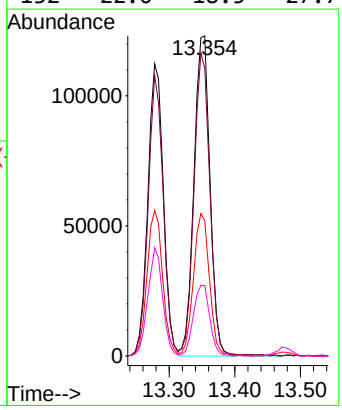
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

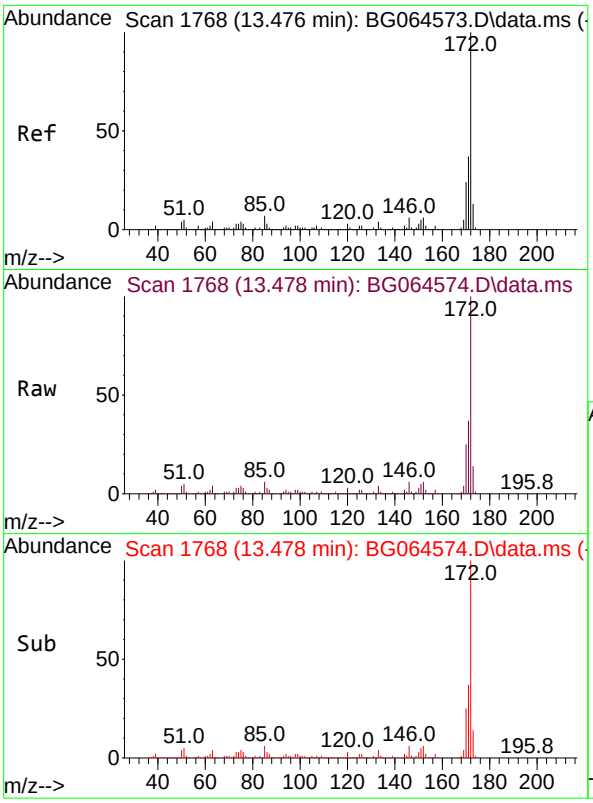


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

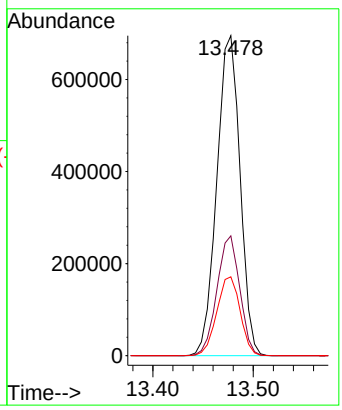




#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:172 Resp: 1120989

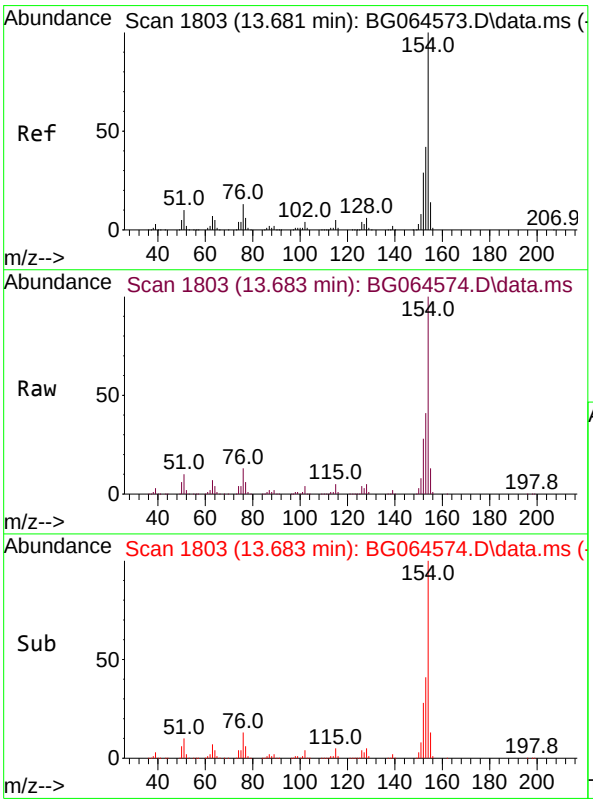
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

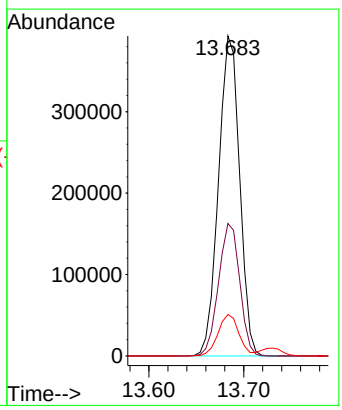
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

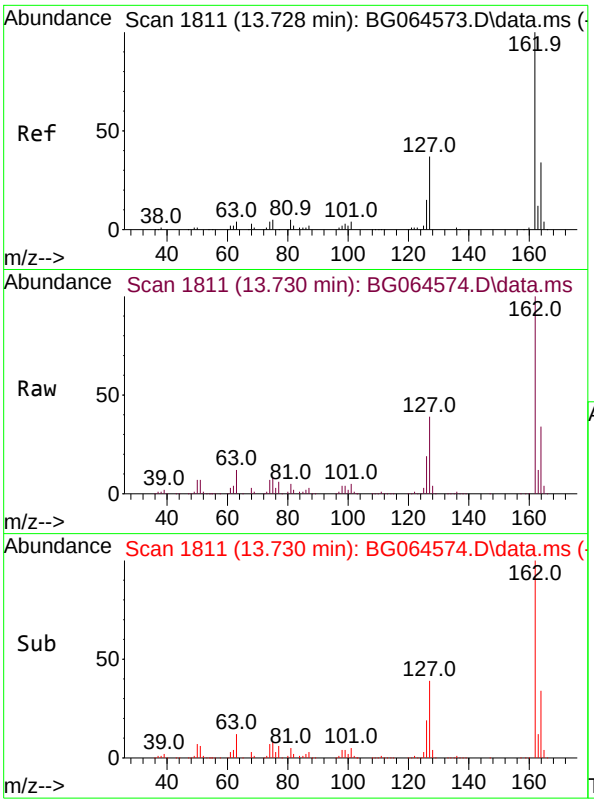


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

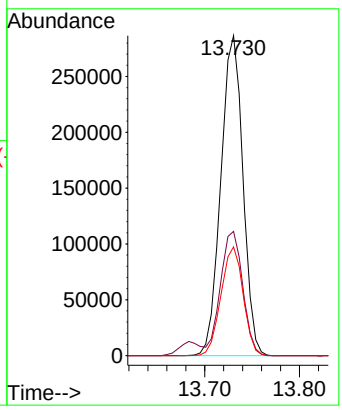




#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 463791

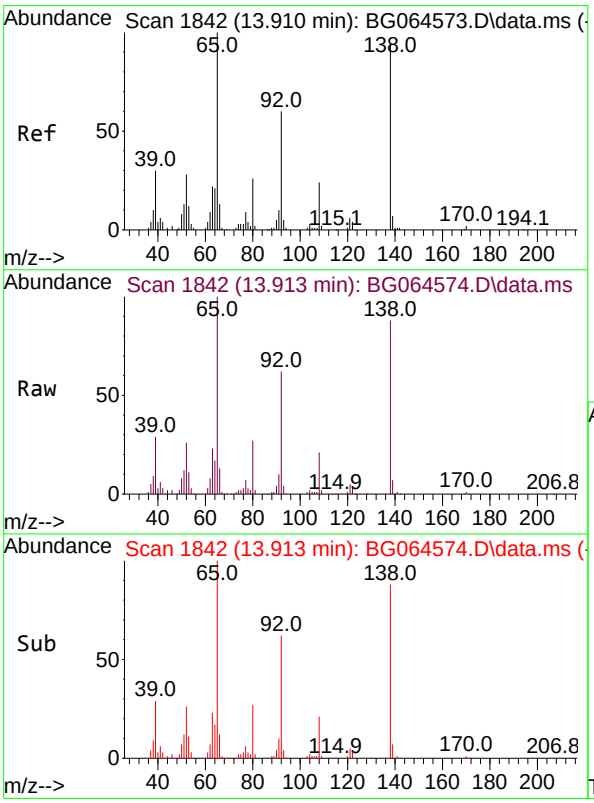
Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.2
164	34.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

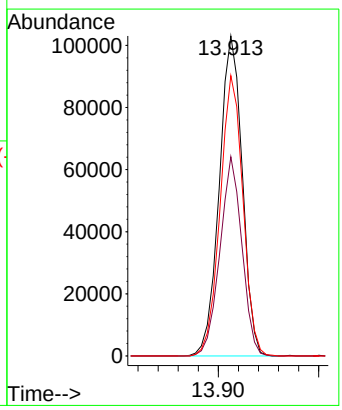
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

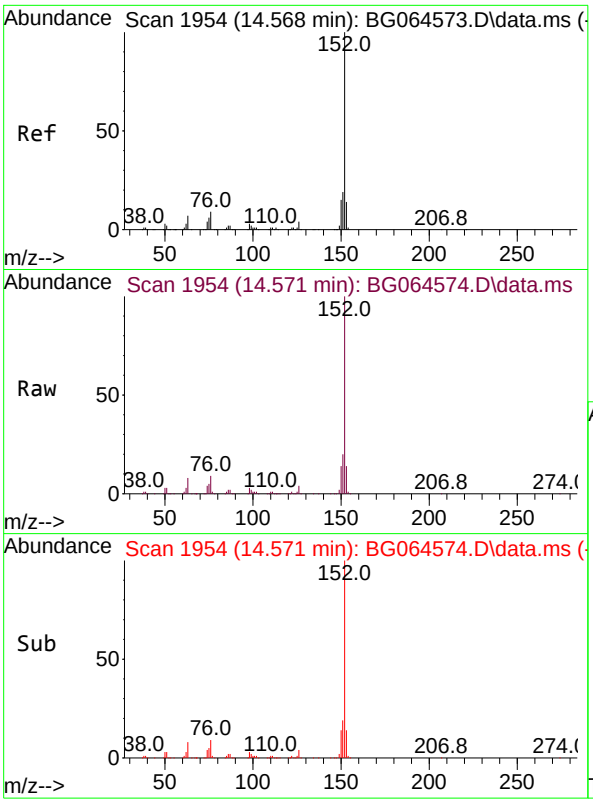


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 65 Resp: 163796

Ion	Ratio	Lower	Upper
65	100		
92	62.2	48.3	72.5
138	87.6	74.9	112.3

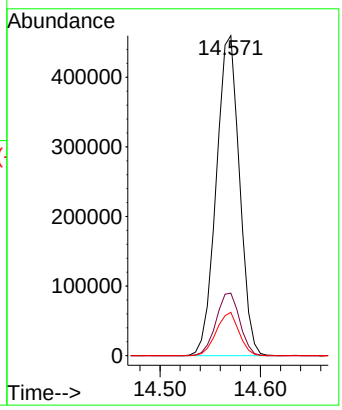




#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 73972

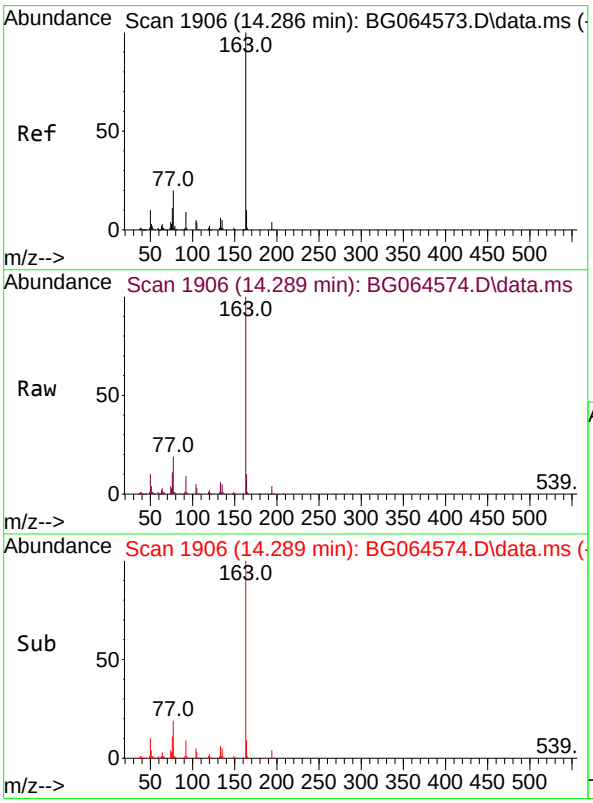
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

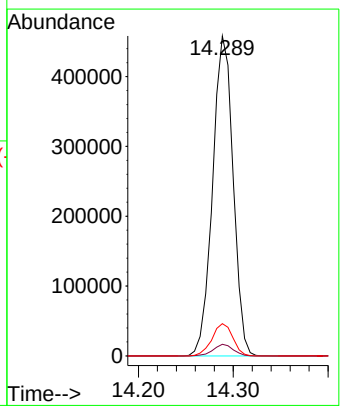
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

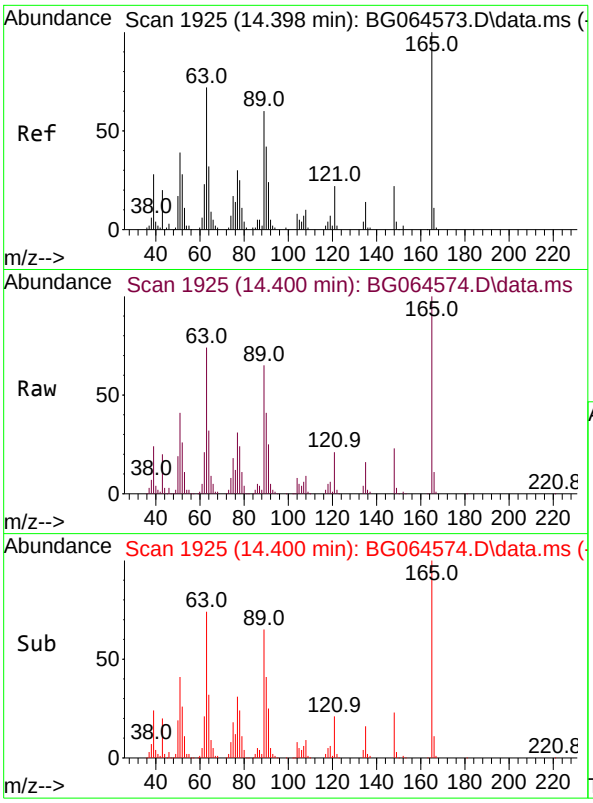


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

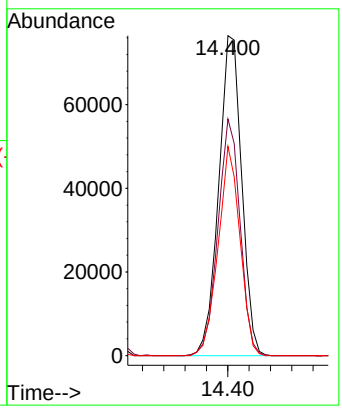




#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 114588

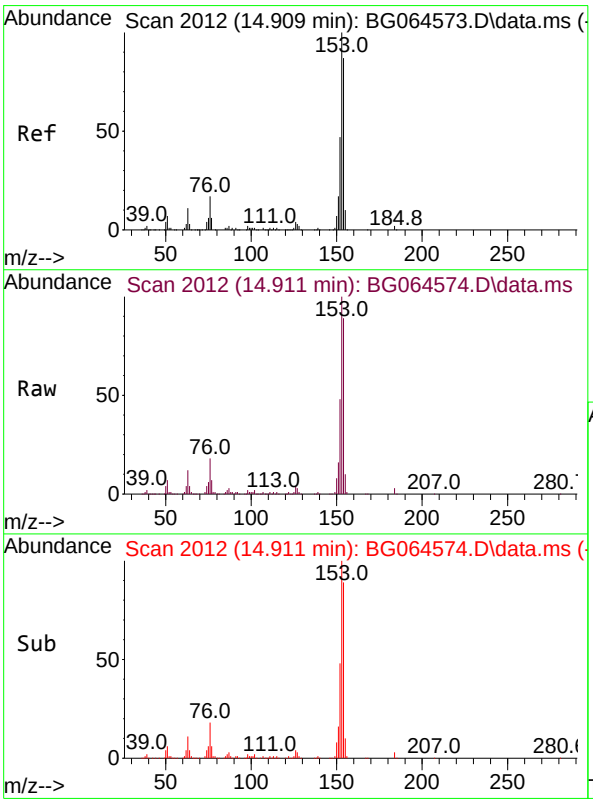
Ion	Ratio	Lower	Upper
165	100		
63	73.9	57.4	86.0
89	65.4	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

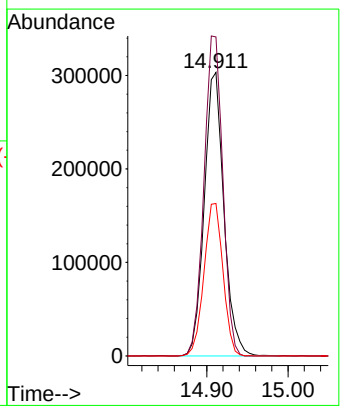
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

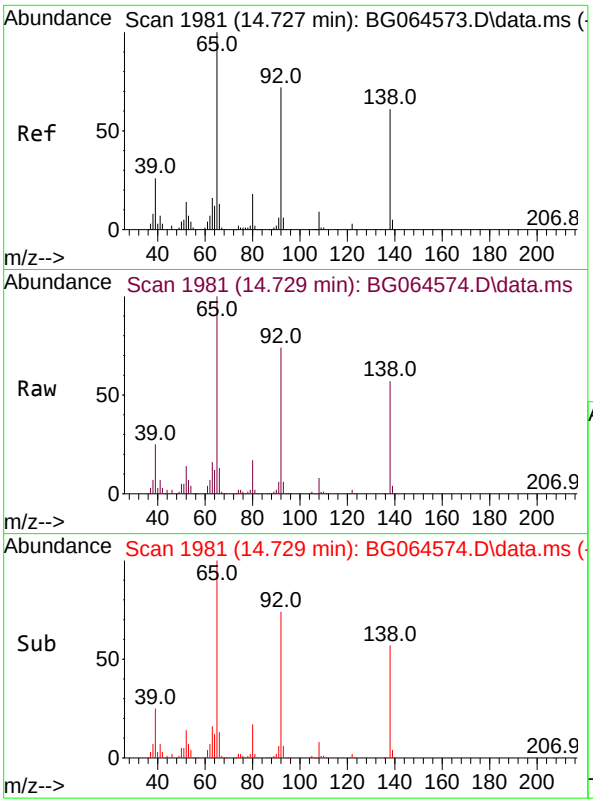


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

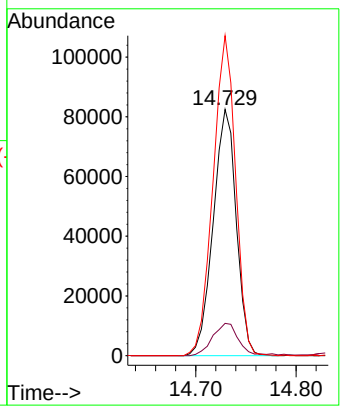




#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 13177

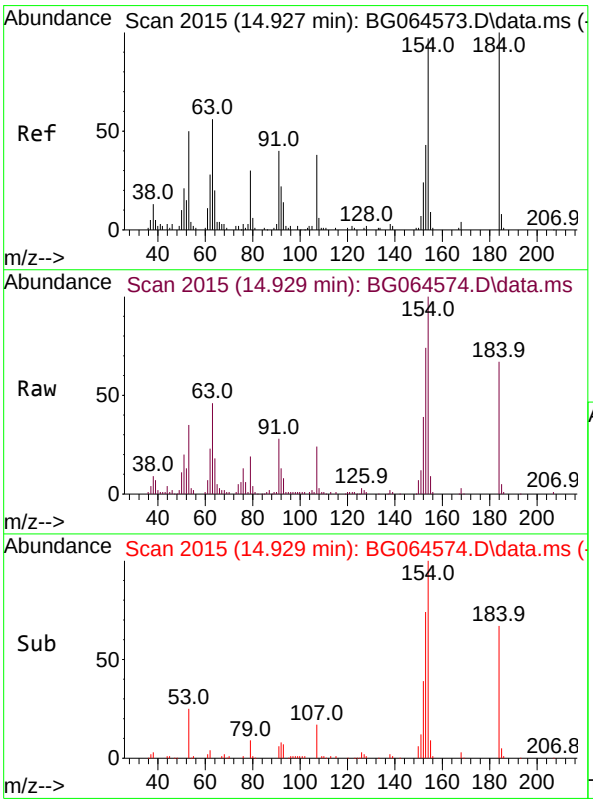
Ion	Ratio	Lower	Upper
138	100		
108	13.1	11.4	17.0
92	130.0	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

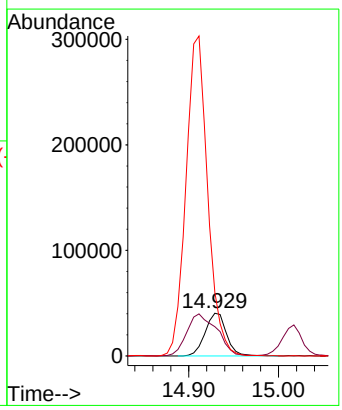
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

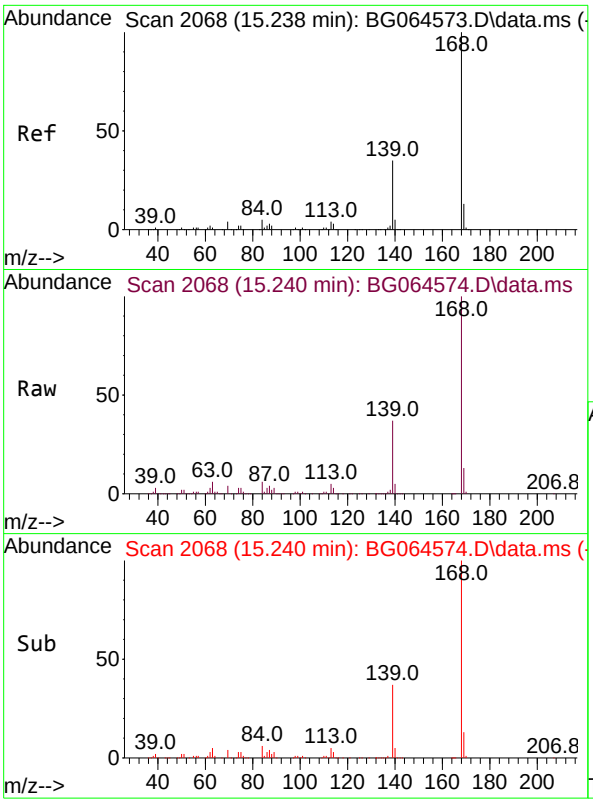


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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#

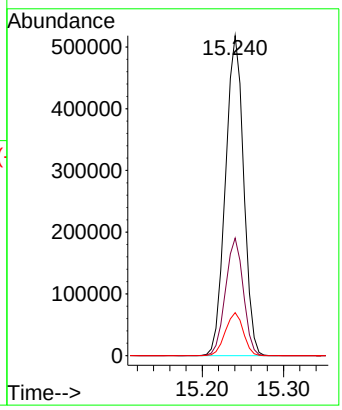




#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 80496

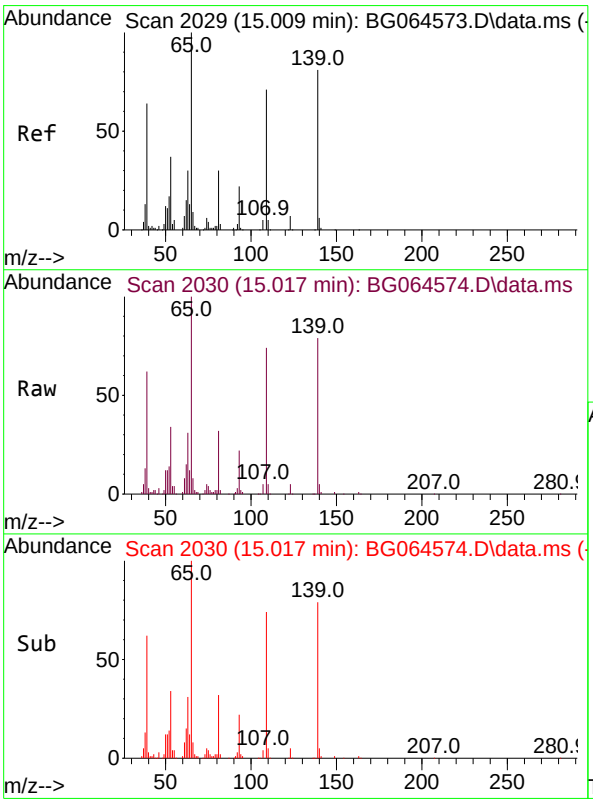
Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

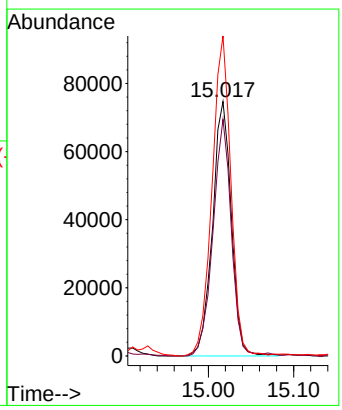
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

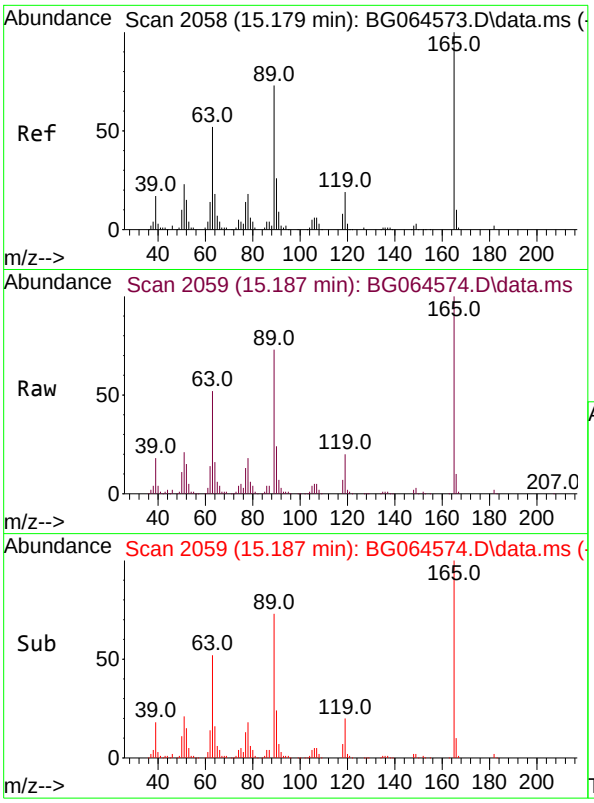


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

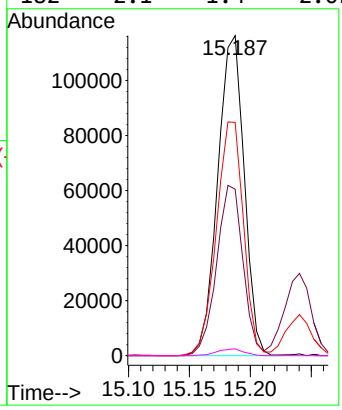




#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 17580

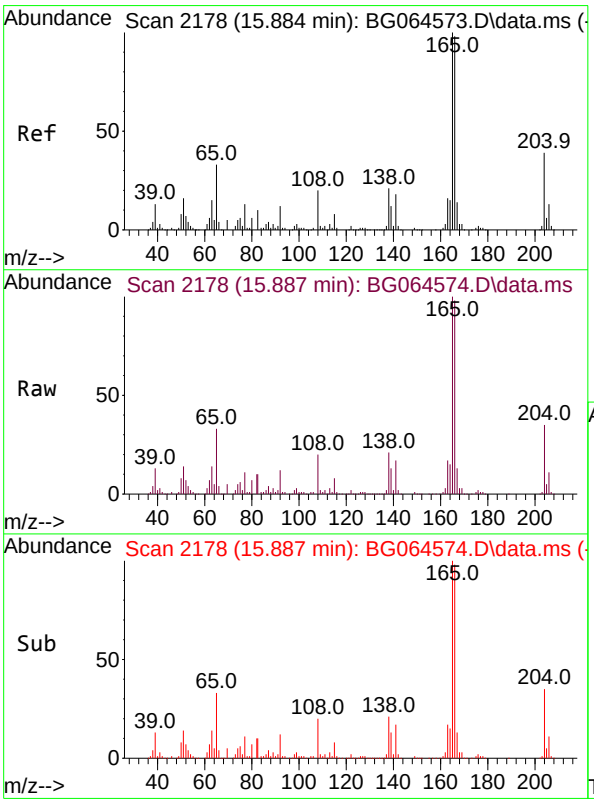
Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.8	62.8
89	72.9	58.1	87.1
182	2.1	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

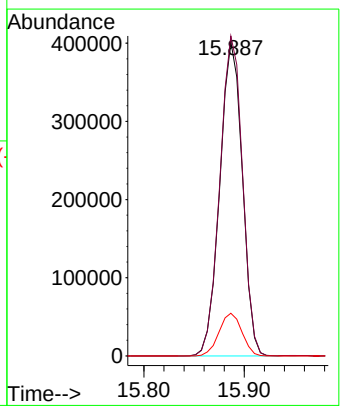
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

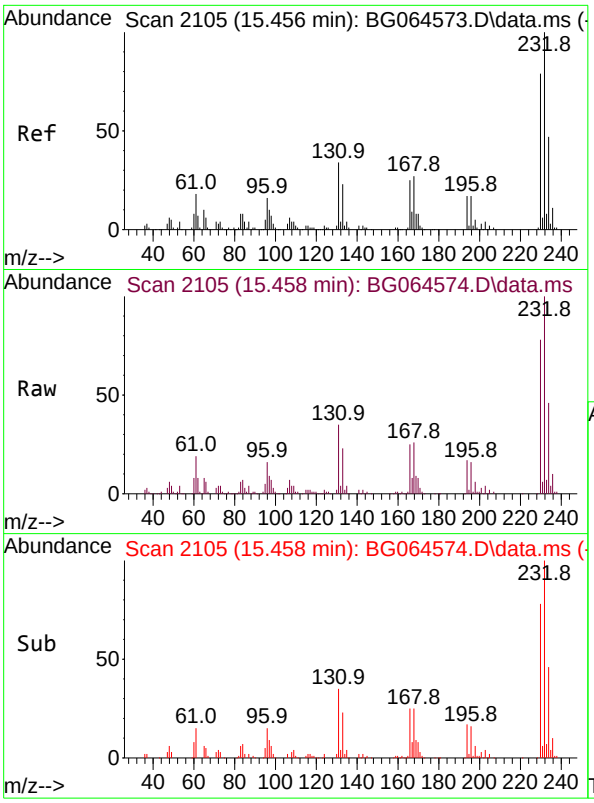


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

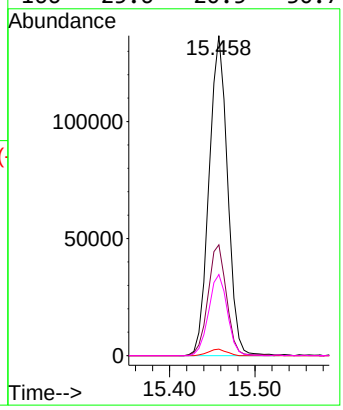




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:232 Resp: 20552

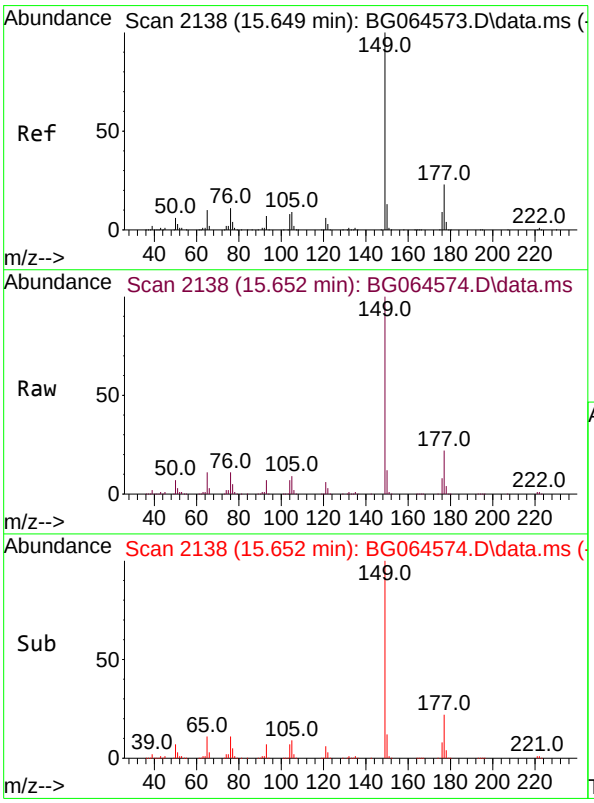
Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

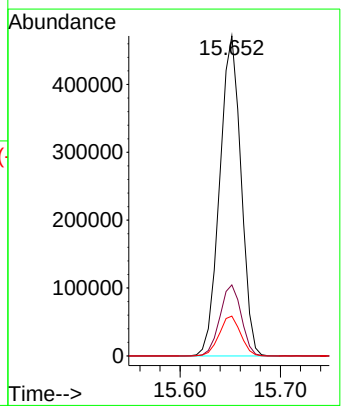
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

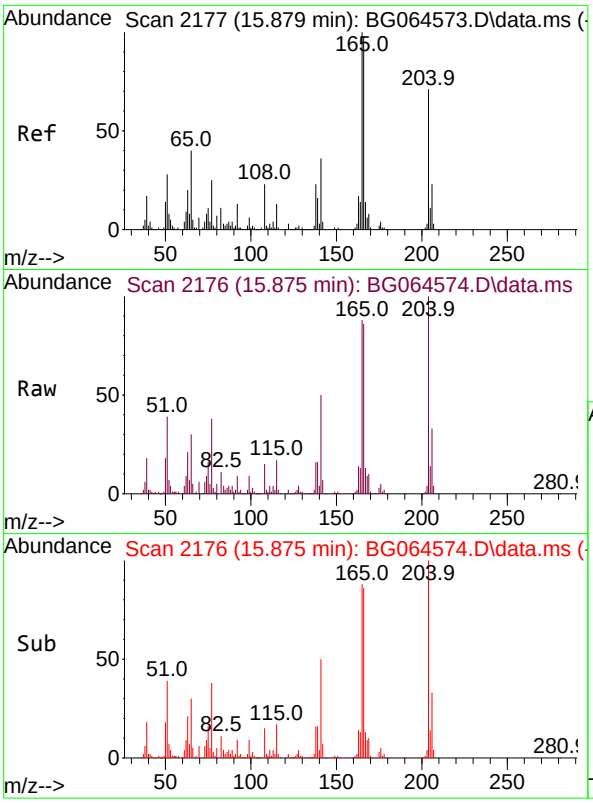


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

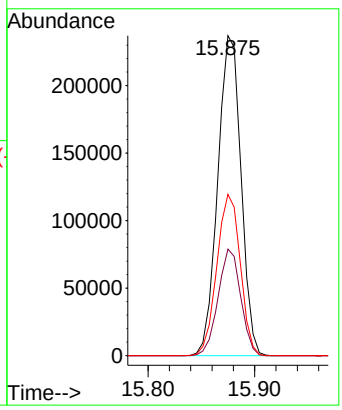
Tgt Ion:204 Resp: 359759

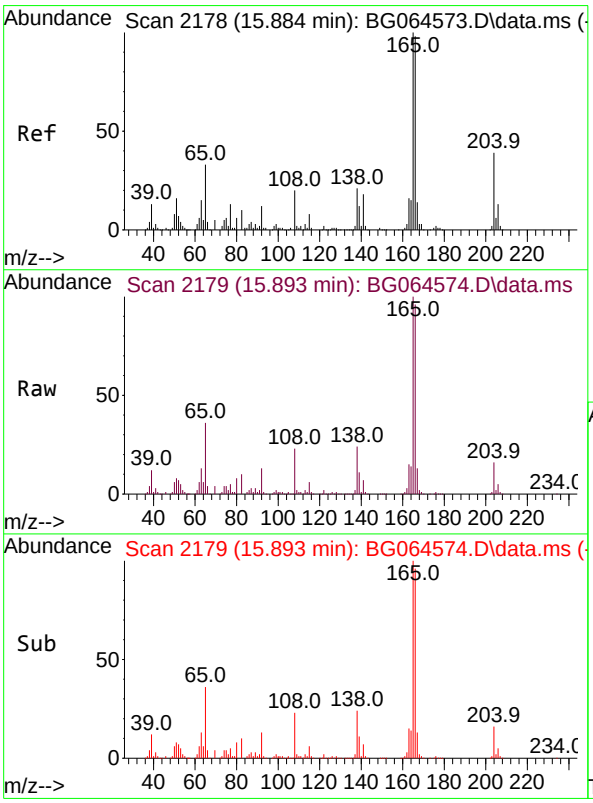
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

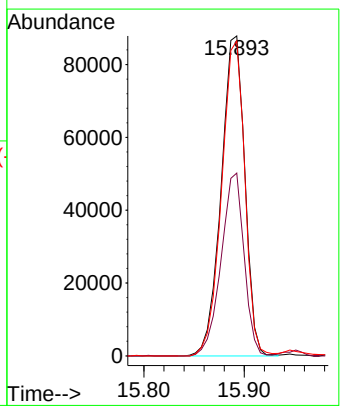


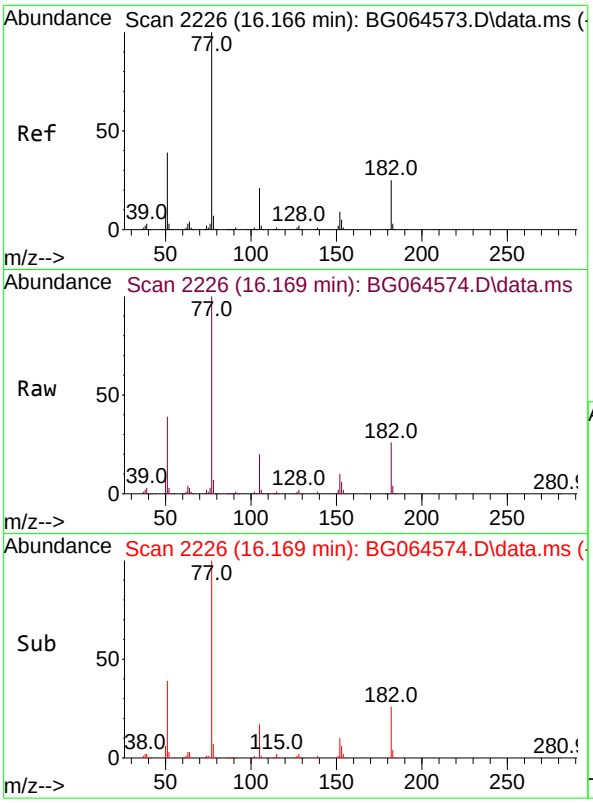


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

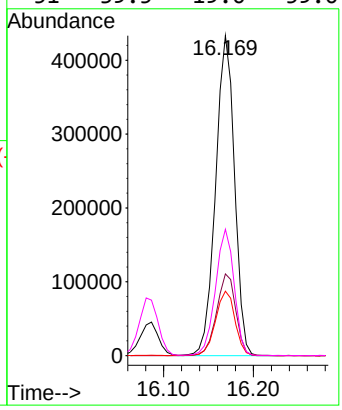




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 63352

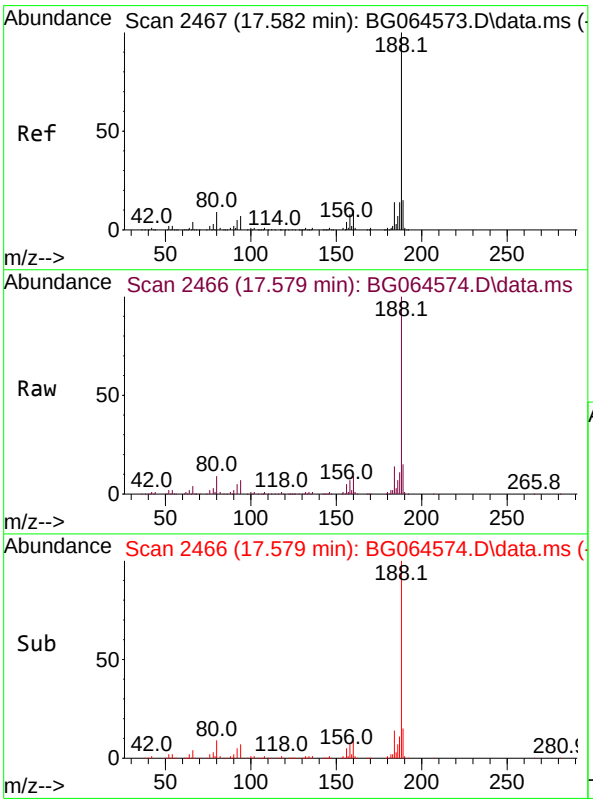
Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	20.1	1.3	41.3
51	39.5	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

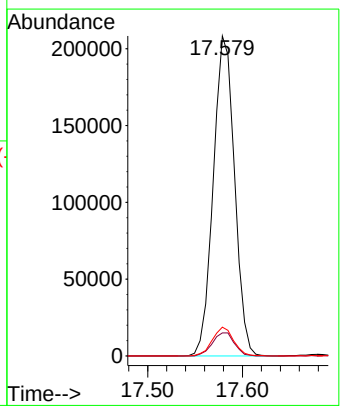
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

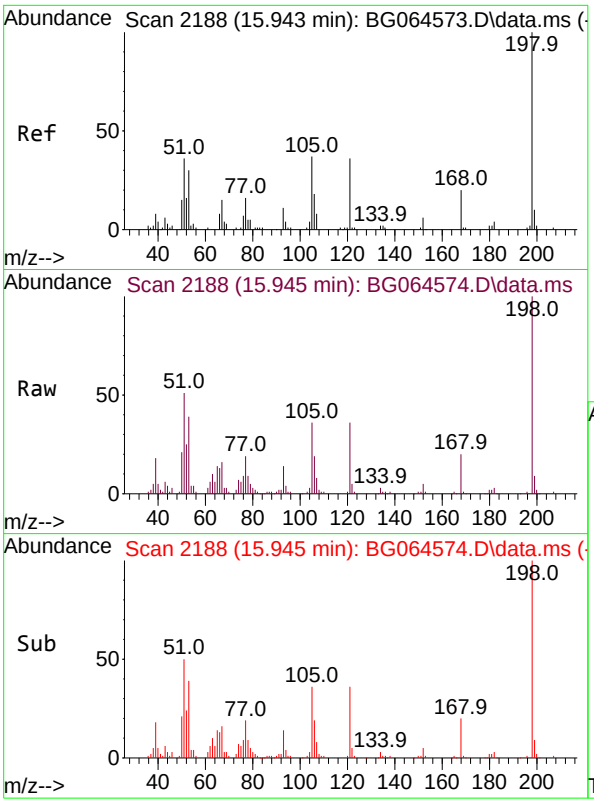


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

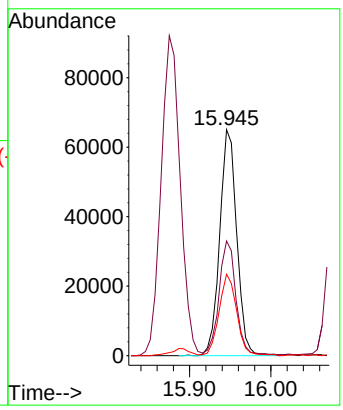




#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:198 Resp: 9433

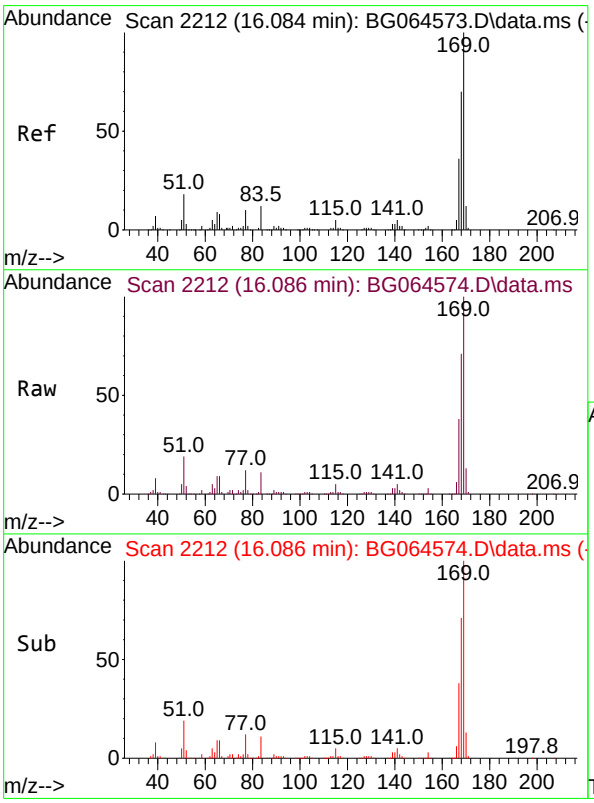
Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	36.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

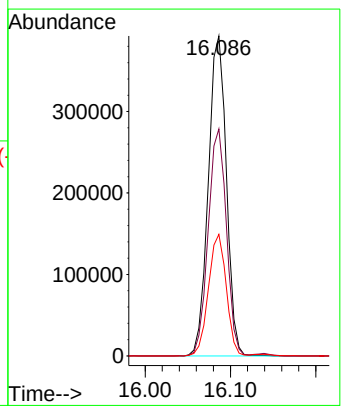
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

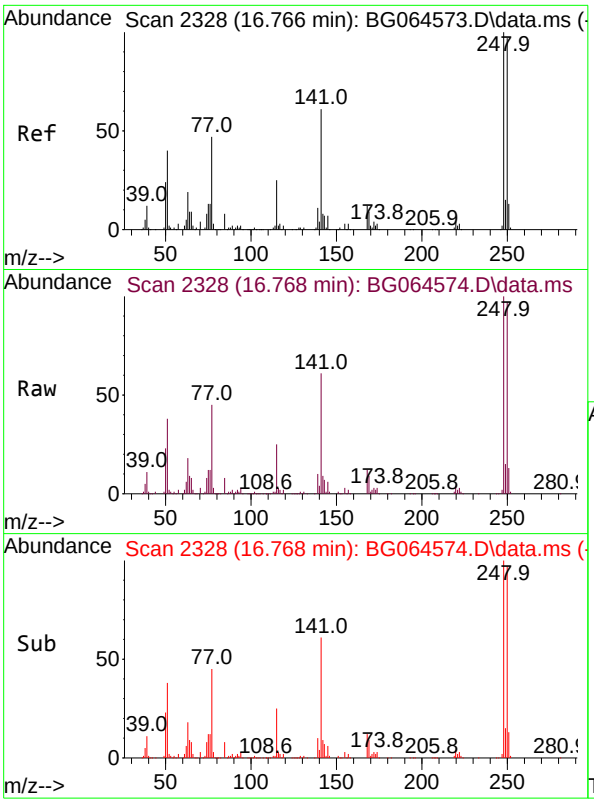


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:169 Resp: 577835

Ion	Ratio	Lower	Upper
169	100		
168	70.9	56.3	84.5
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

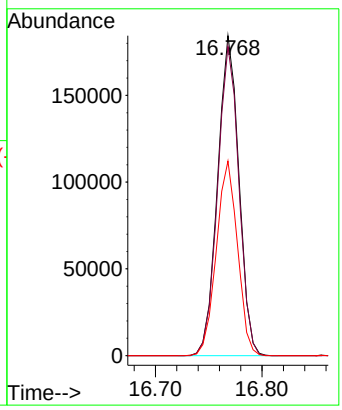
Tgt Ion:248 Resp: 25655

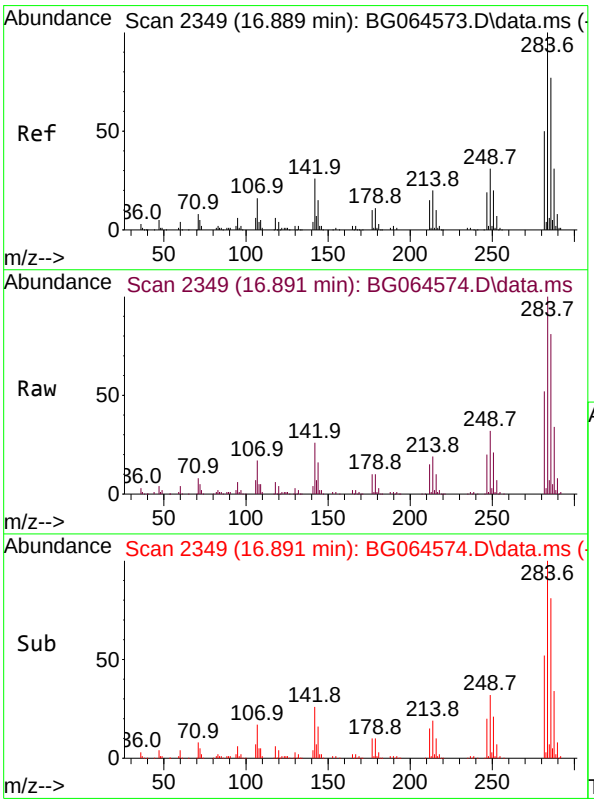
Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	60.8	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

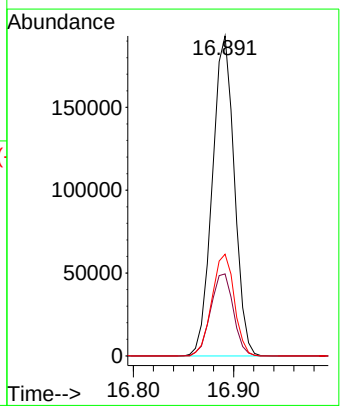


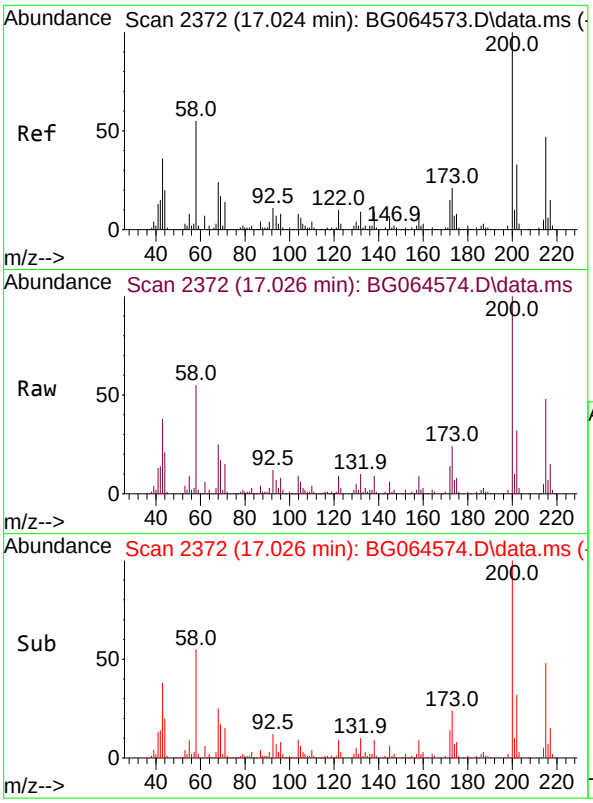


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

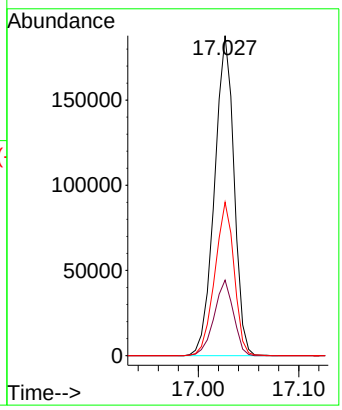




#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:200 Resp: 25407

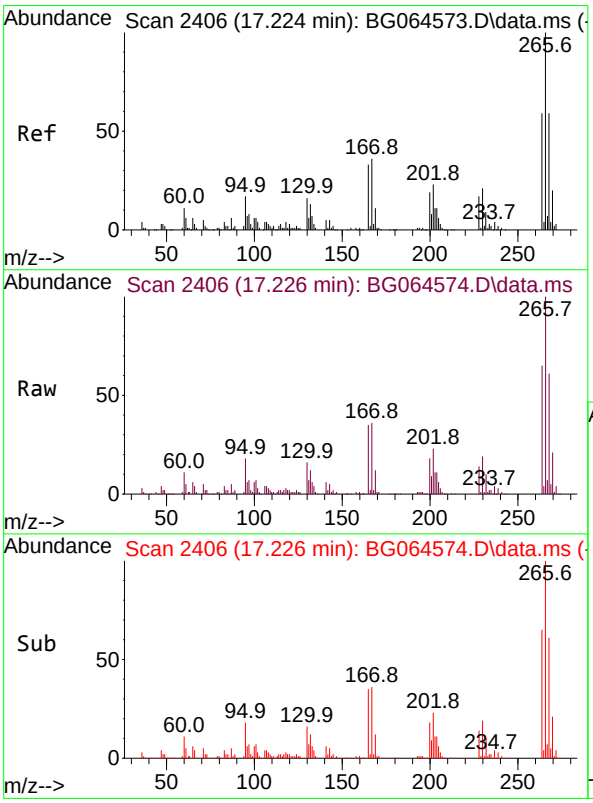
Ion	Ratio	Lower	Upper
200	100		
173	23.6	0.9	40.9
215	47.9	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

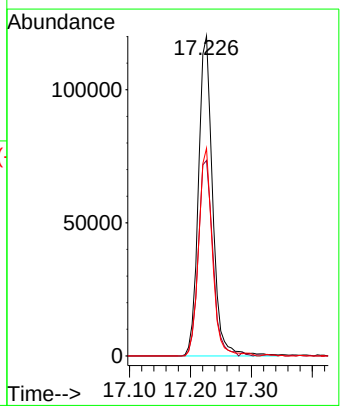
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

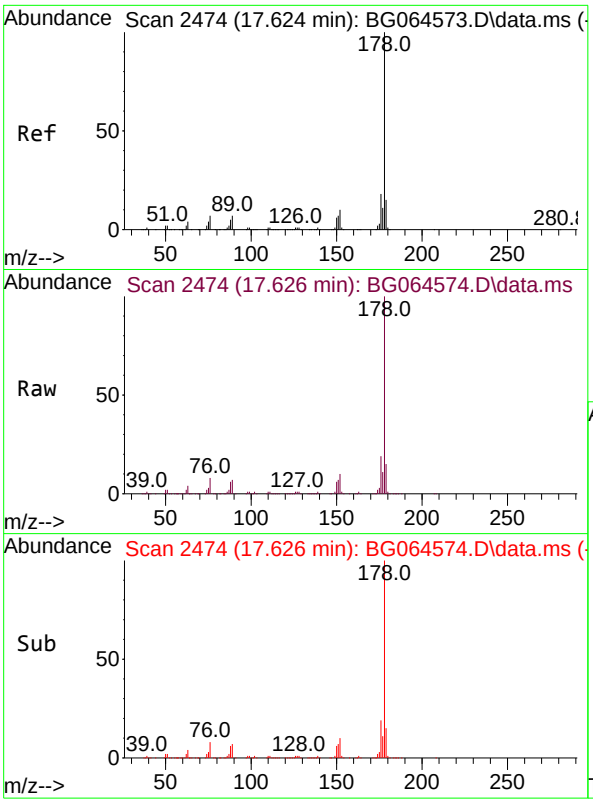


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

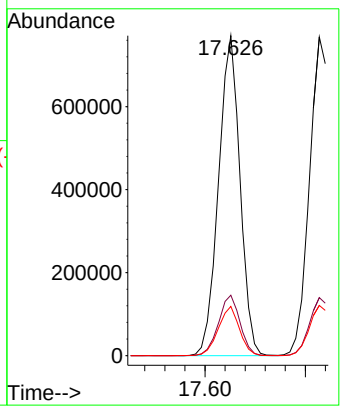




#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 114731

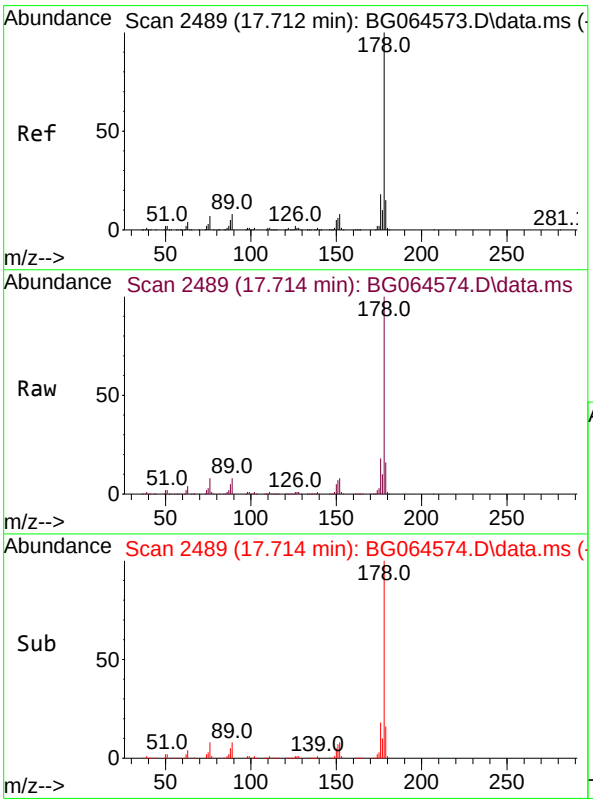
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

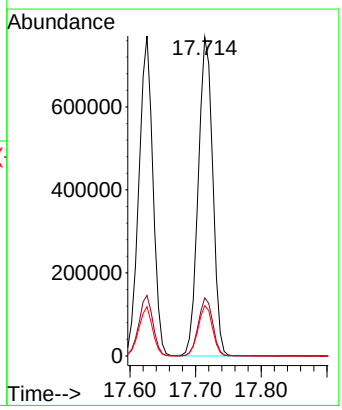
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

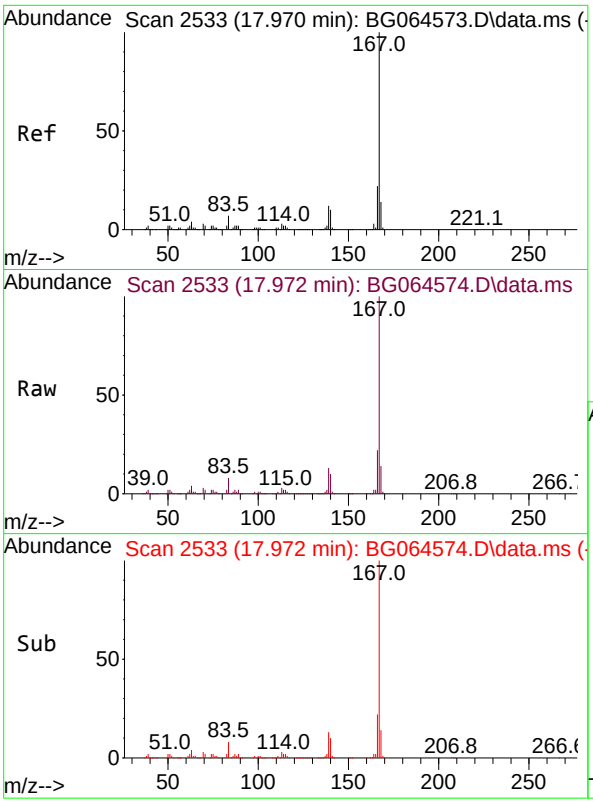


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

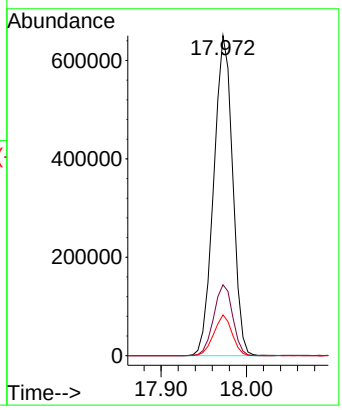




#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:167 Resp: 100068

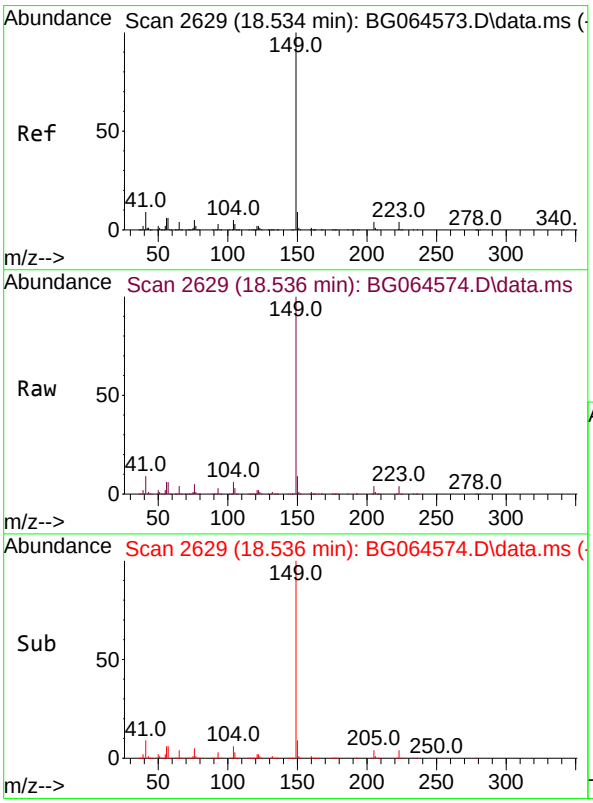
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.7	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

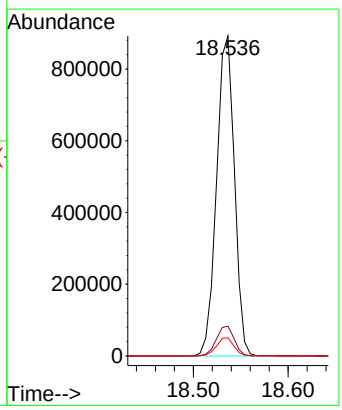
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

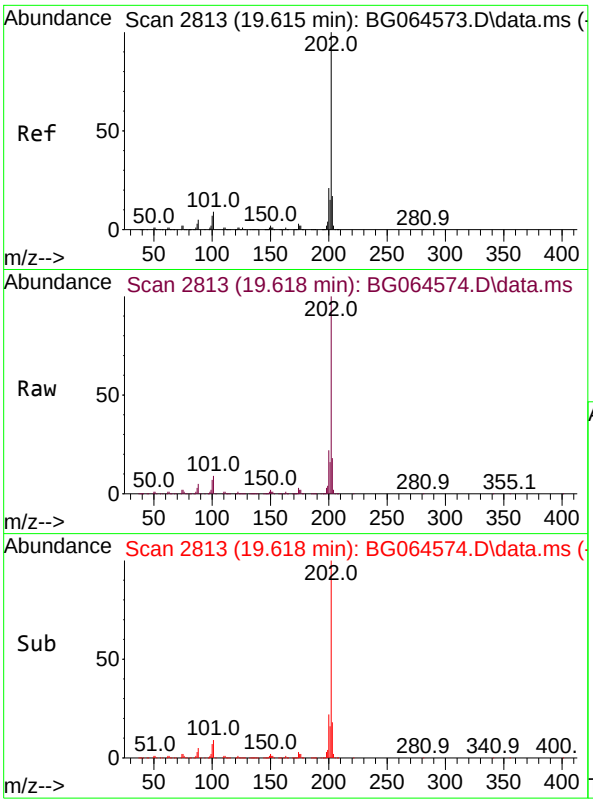


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

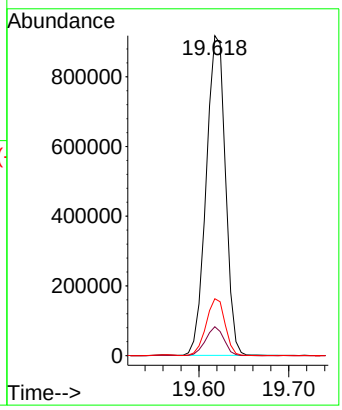




#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 136489

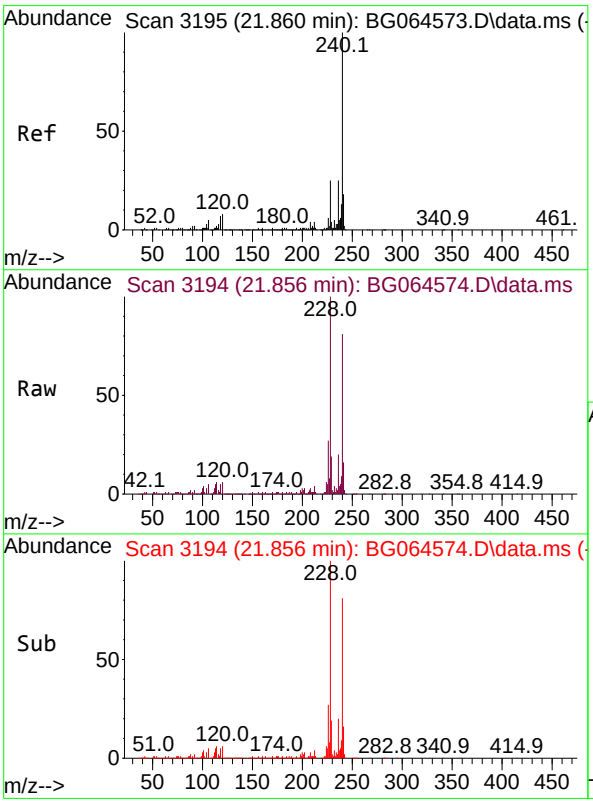
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

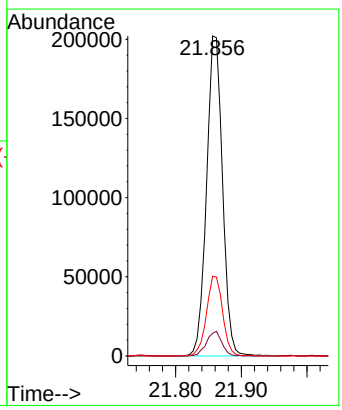
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

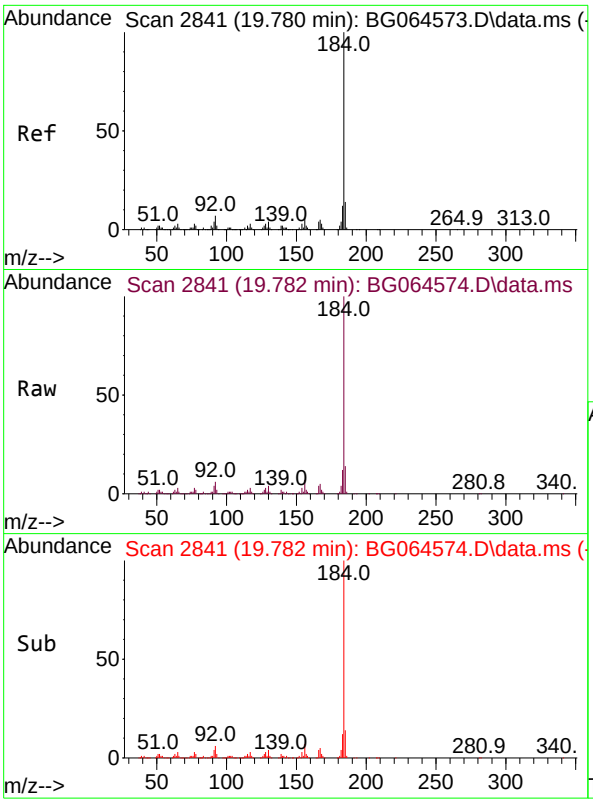


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

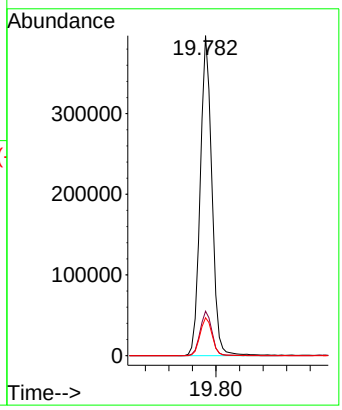




#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 544918

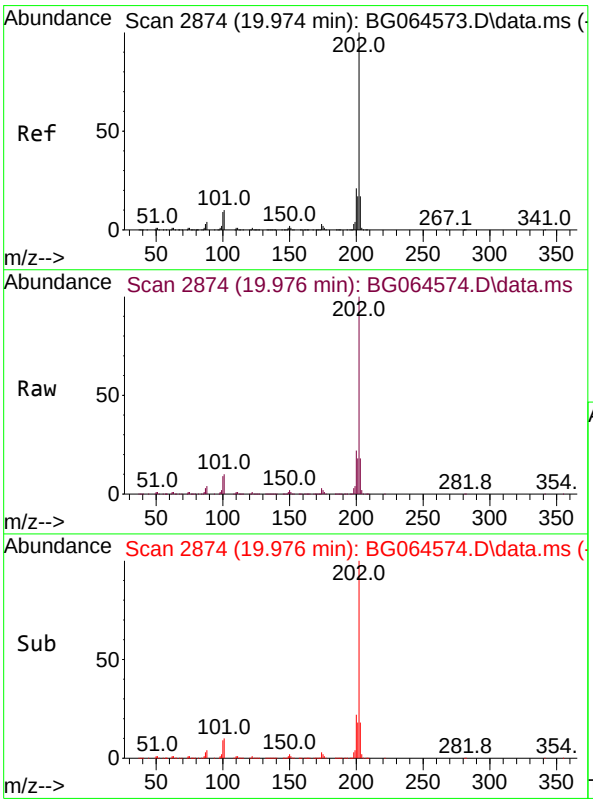
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

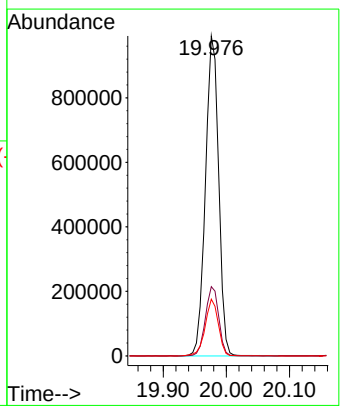
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

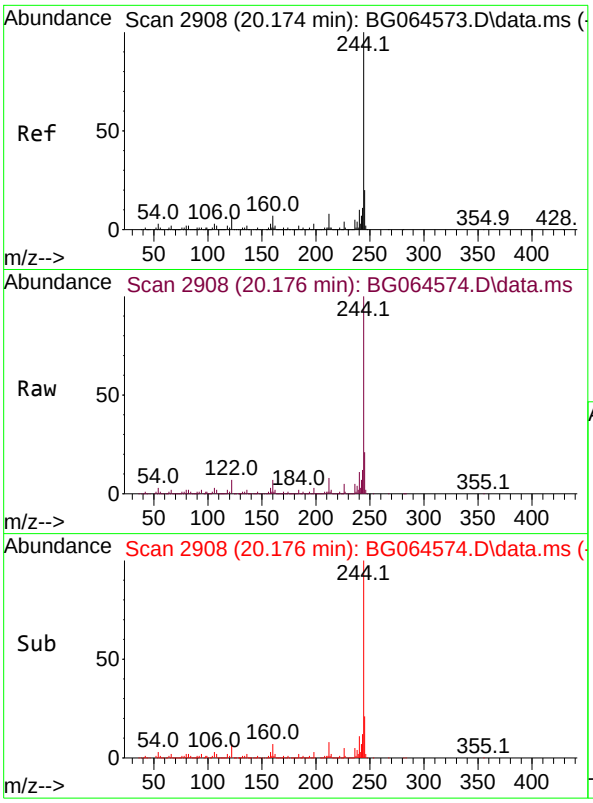


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

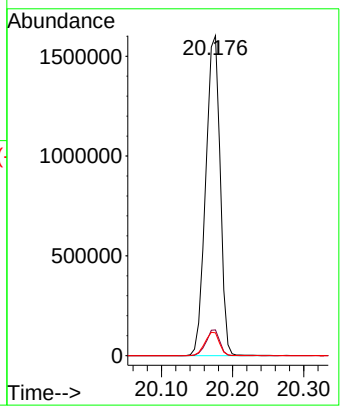




#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:244 Resp: 225370

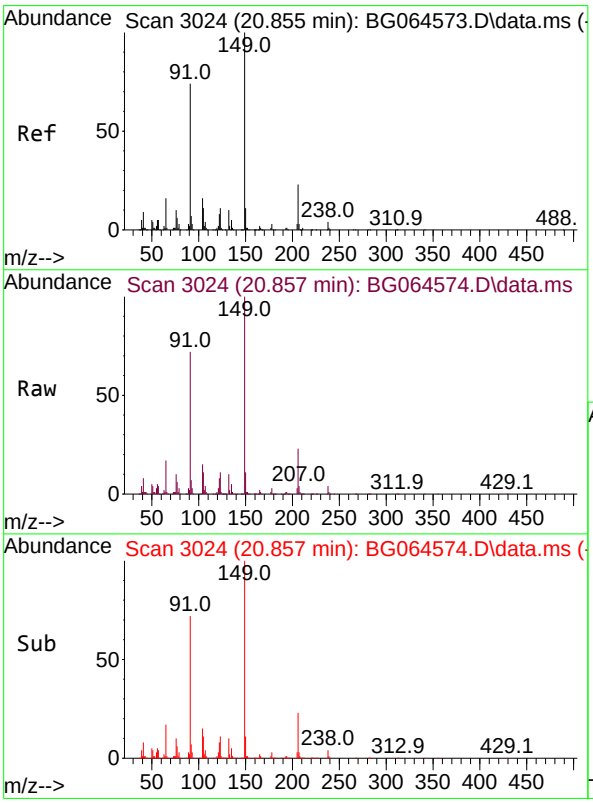
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

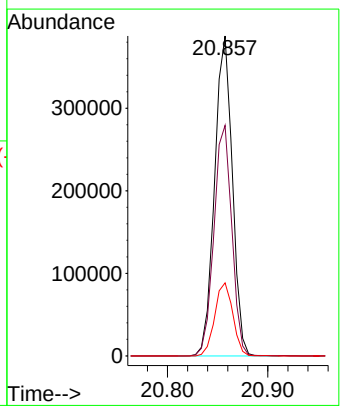
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

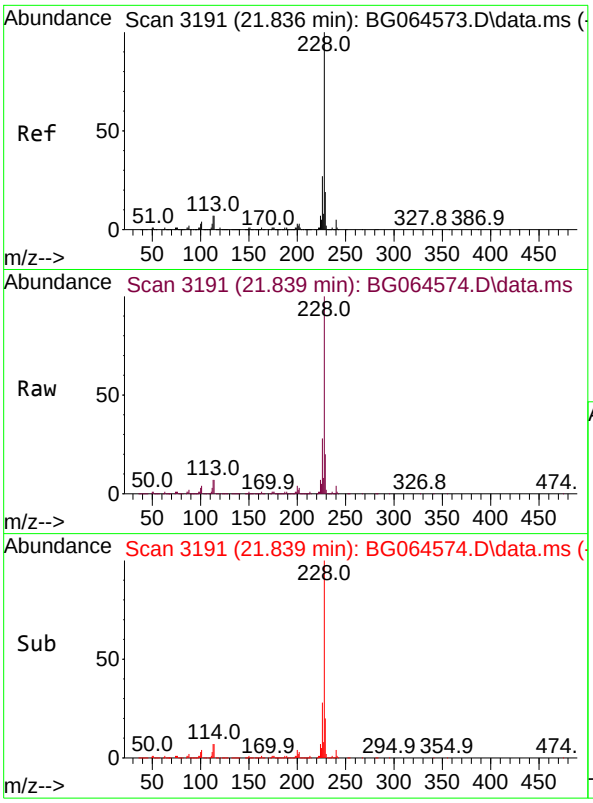


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

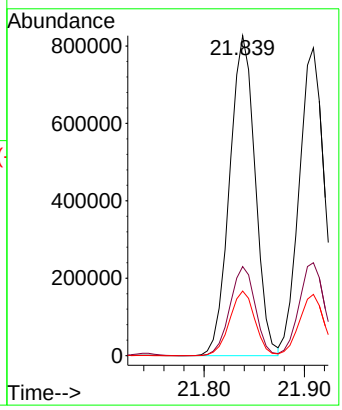




#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 146248

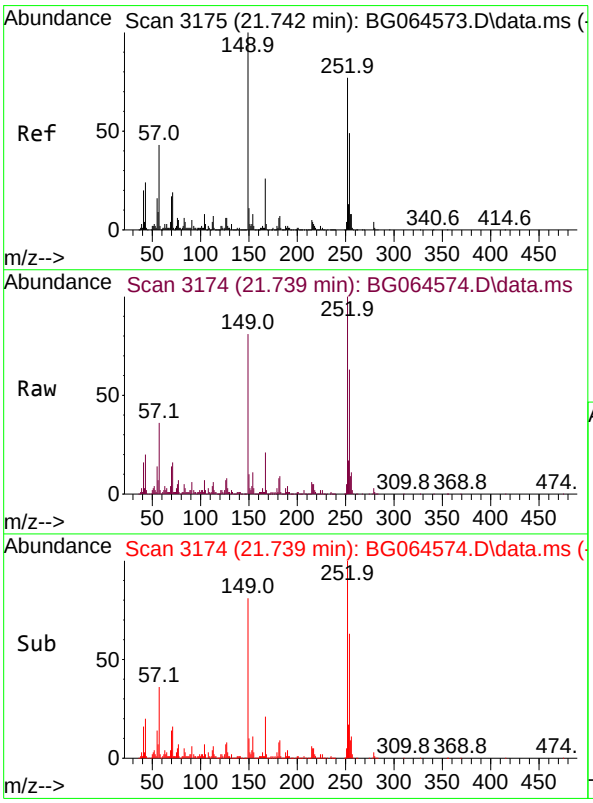
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

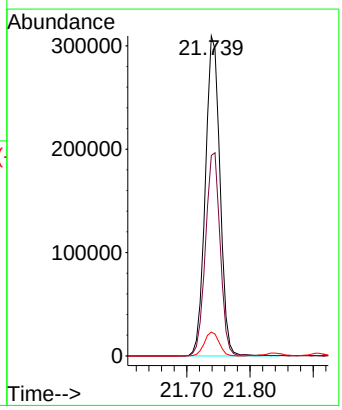
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

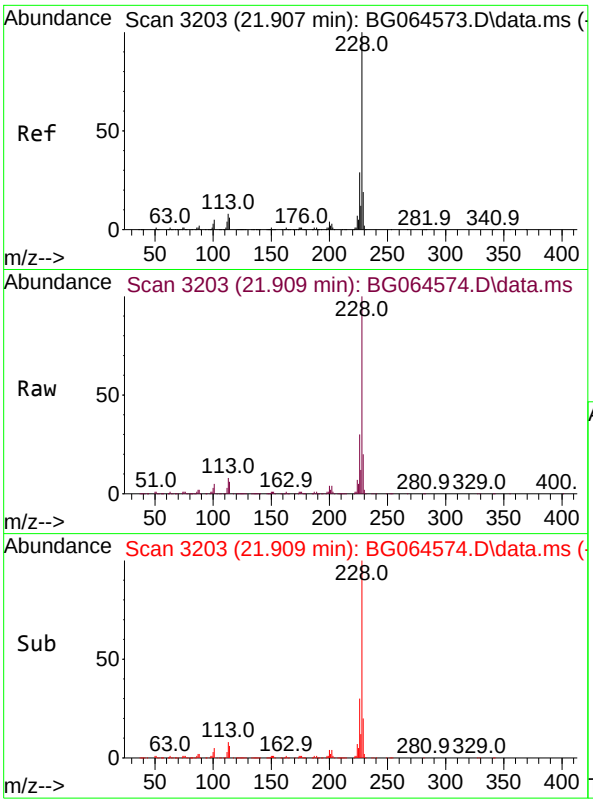


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

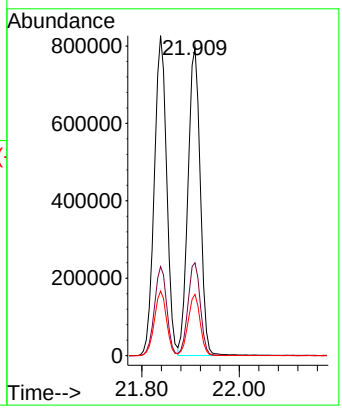




#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 138982

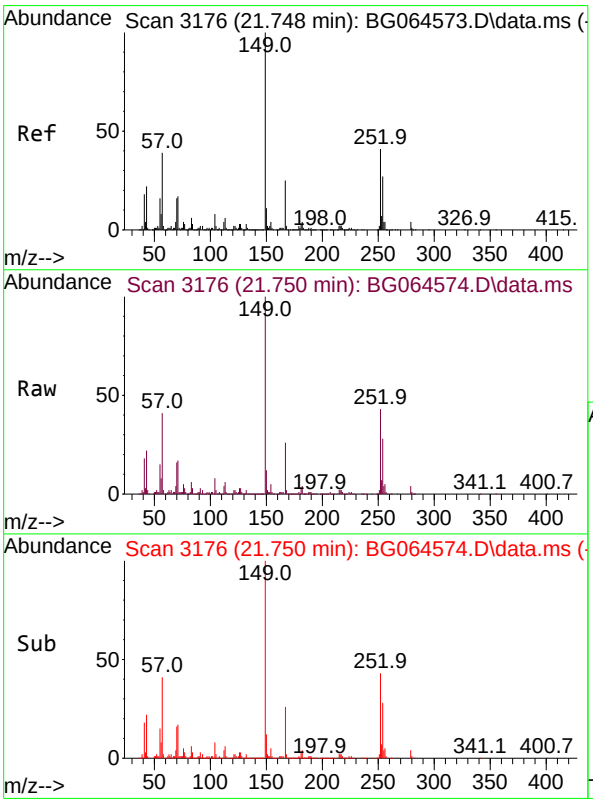
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

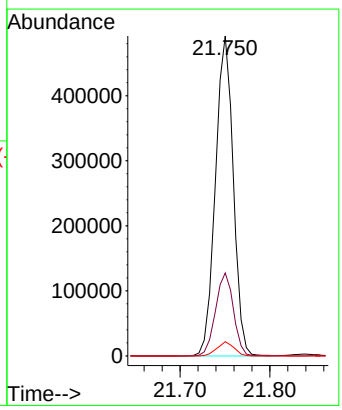
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

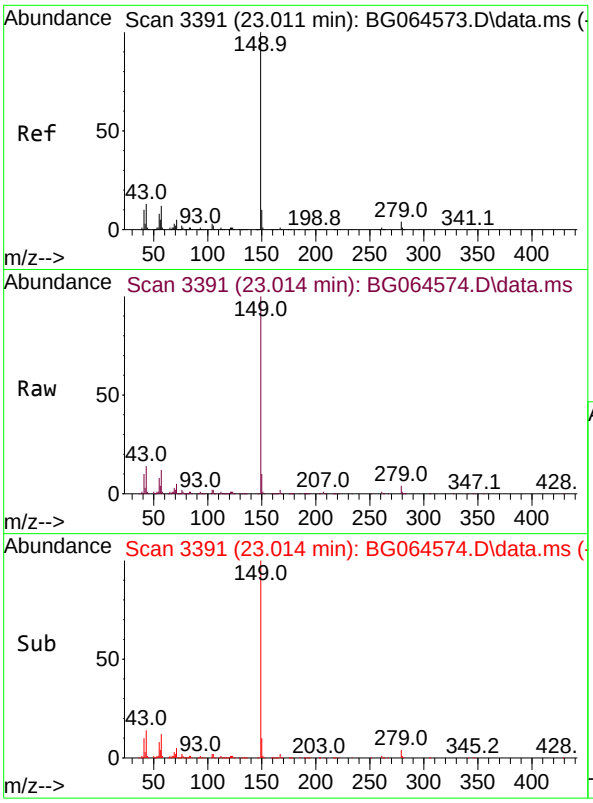


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

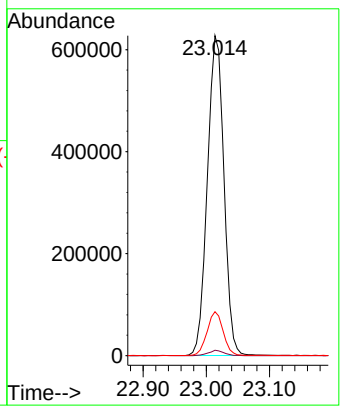




#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 114265

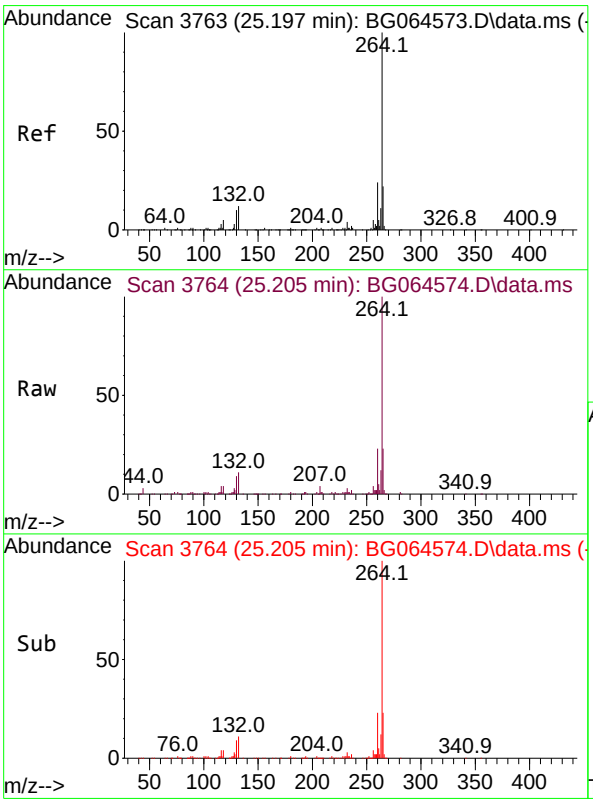
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

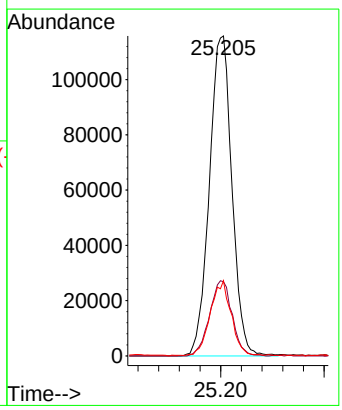
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

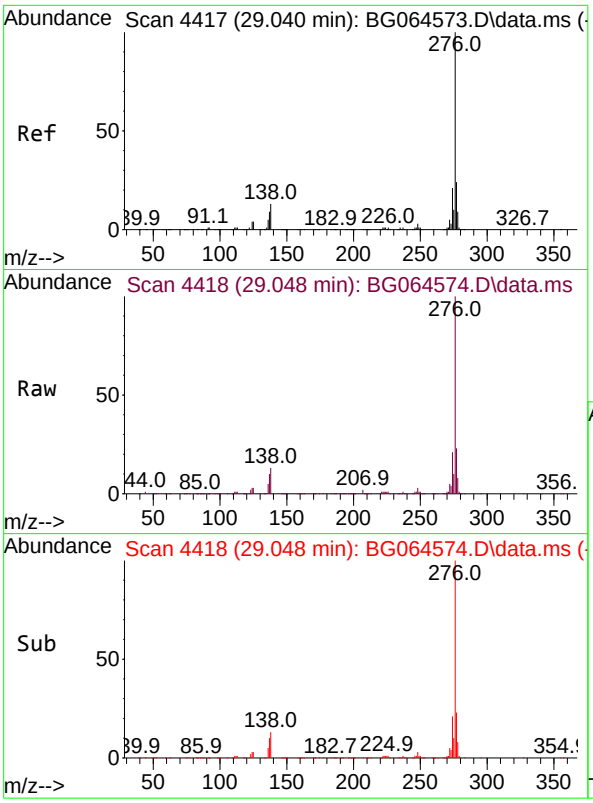


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

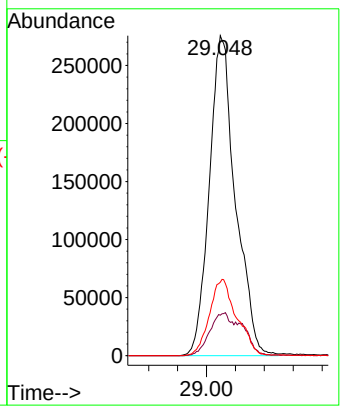




#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 172903

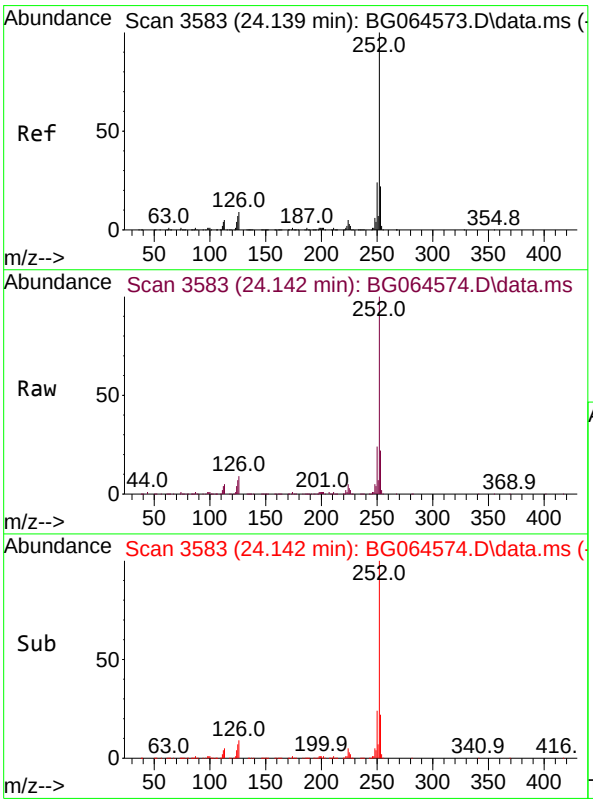
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

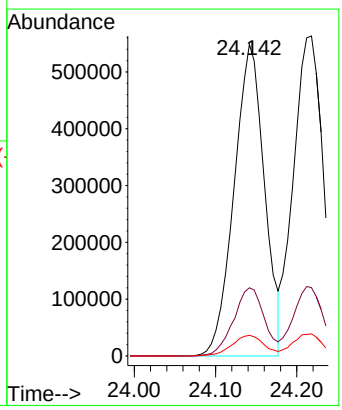
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

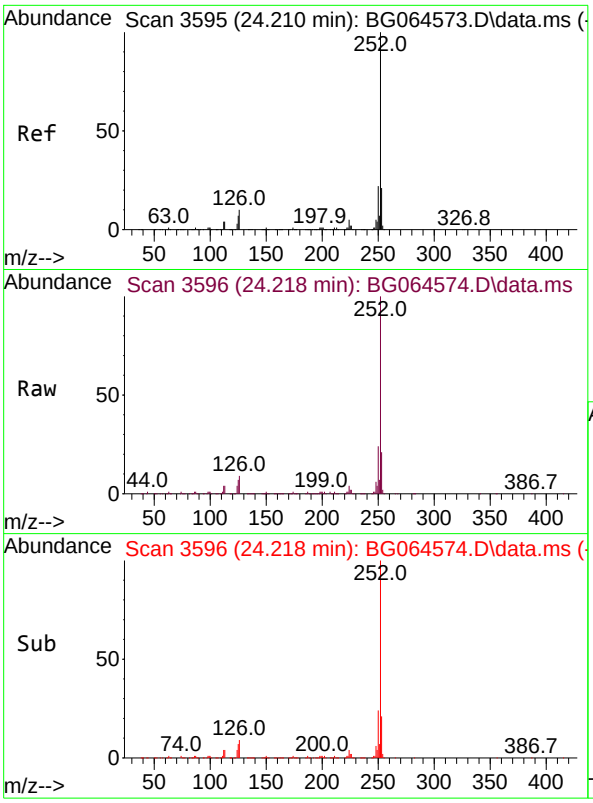


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

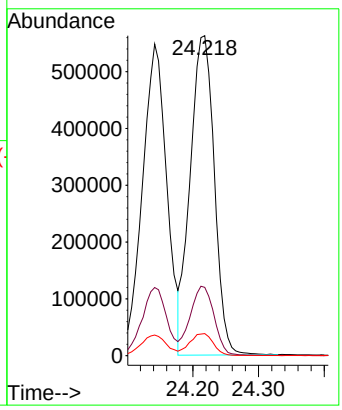




#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 143631

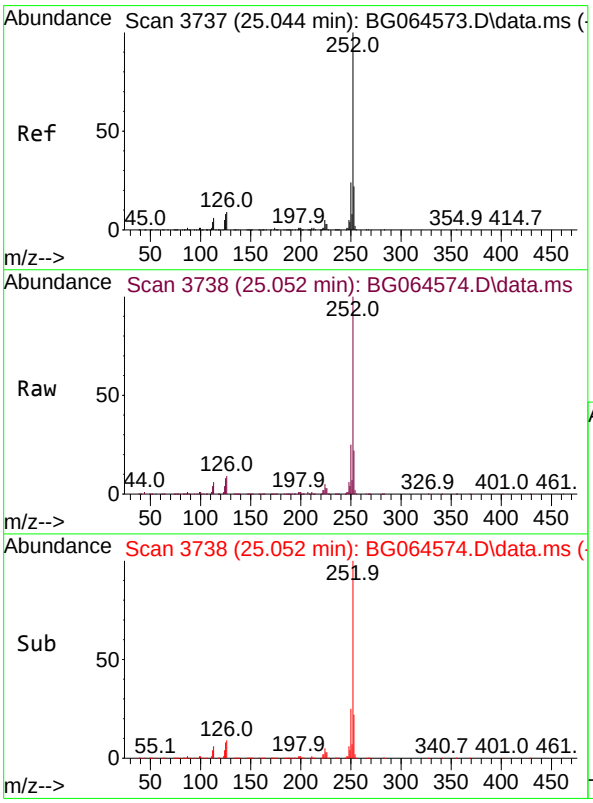
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

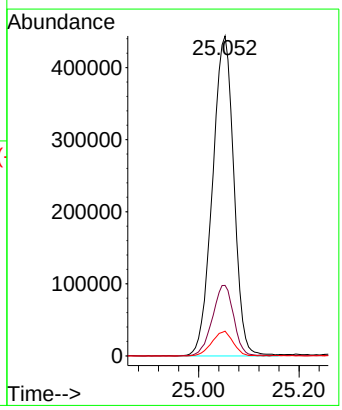
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

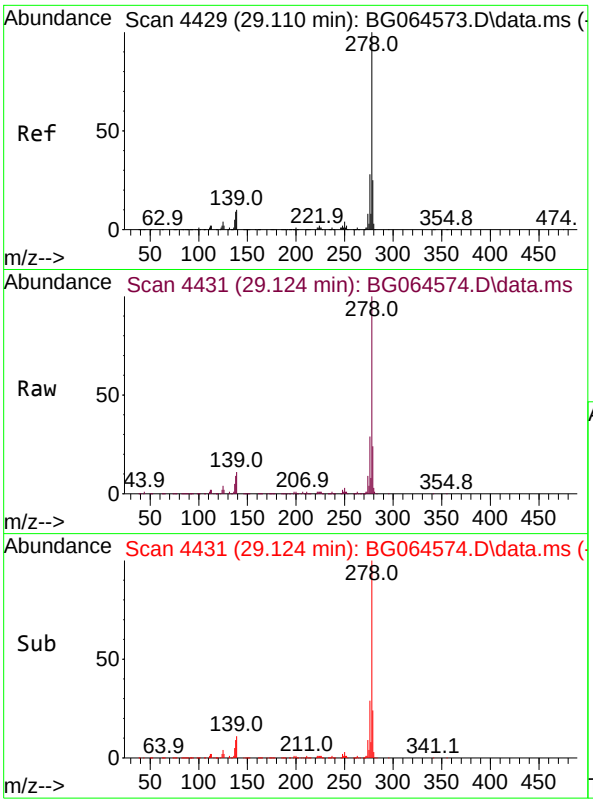


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

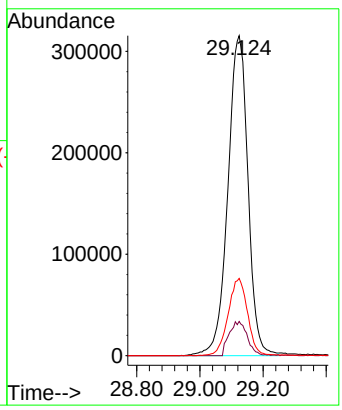




#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:278 Resp: 139423

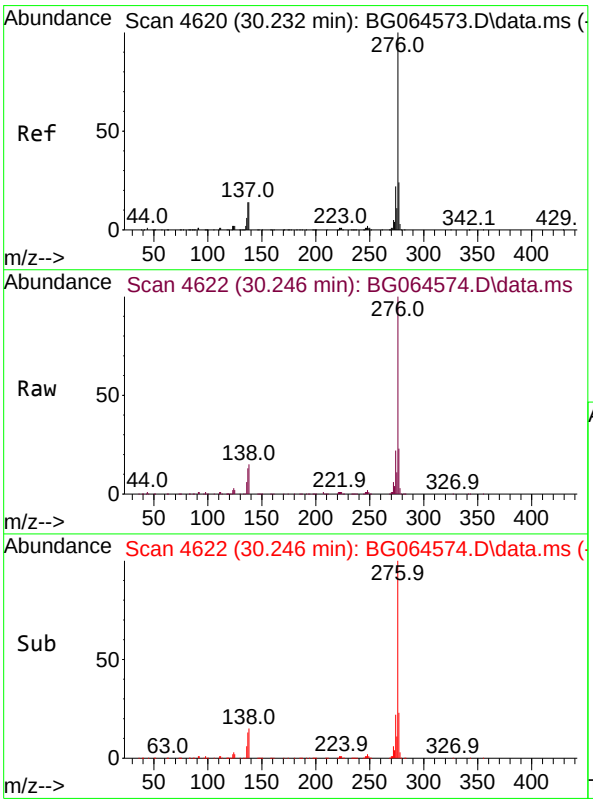
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

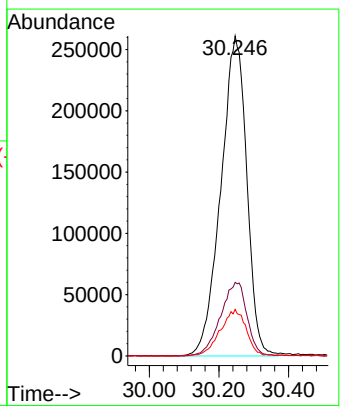
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#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



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

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)
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

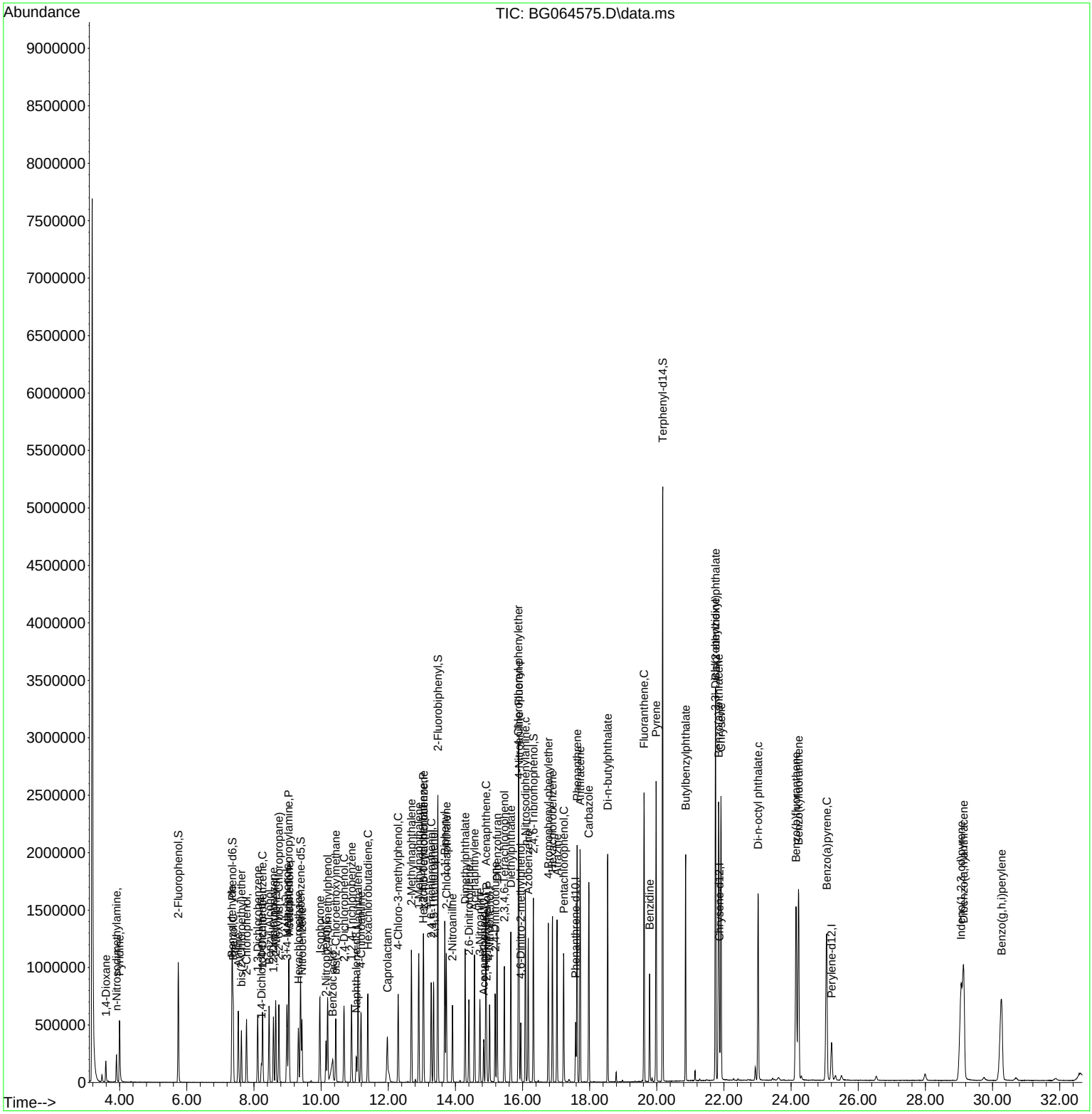
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

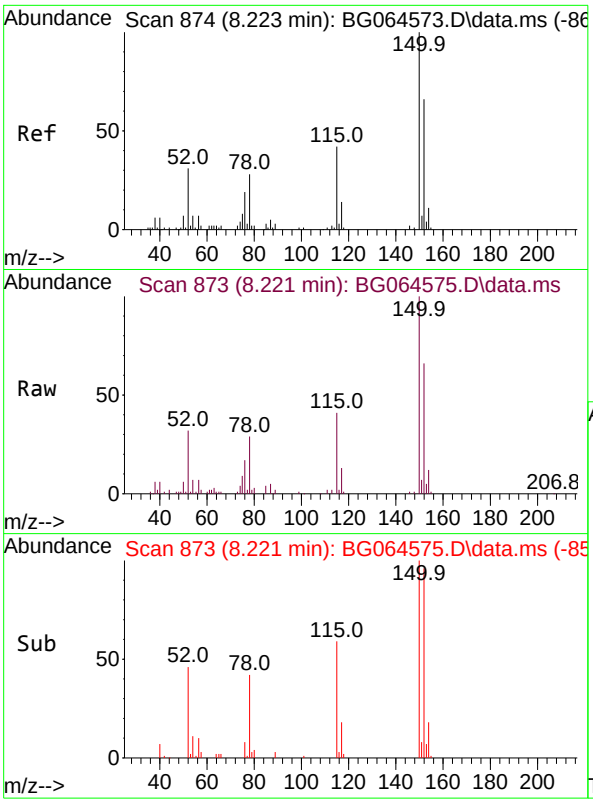
Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

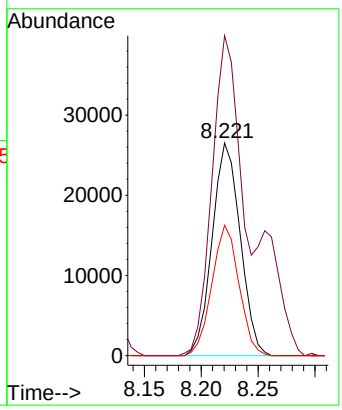




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 4546

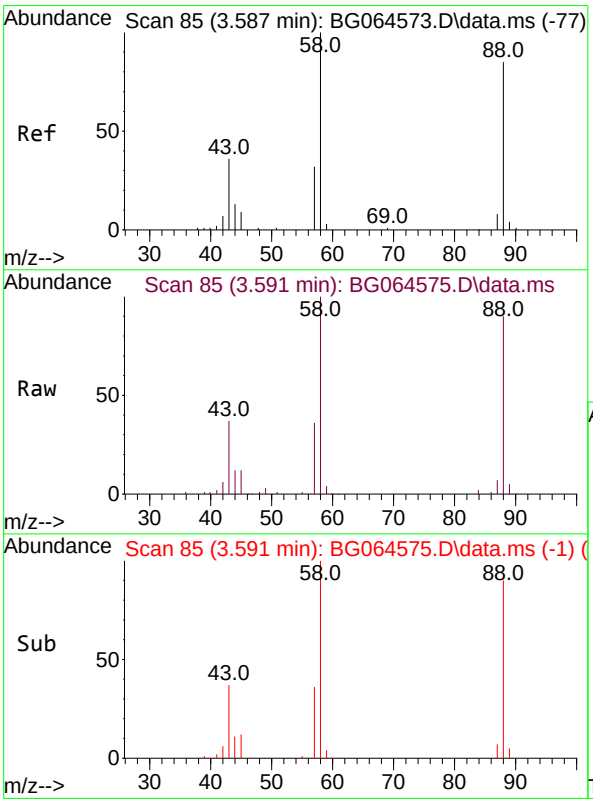
Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.4
115	61.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

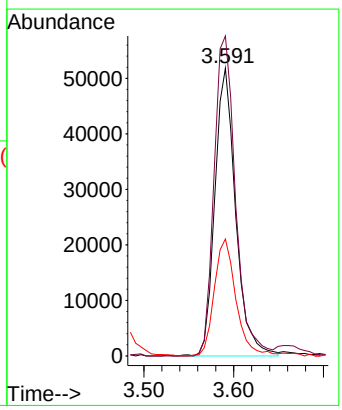
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

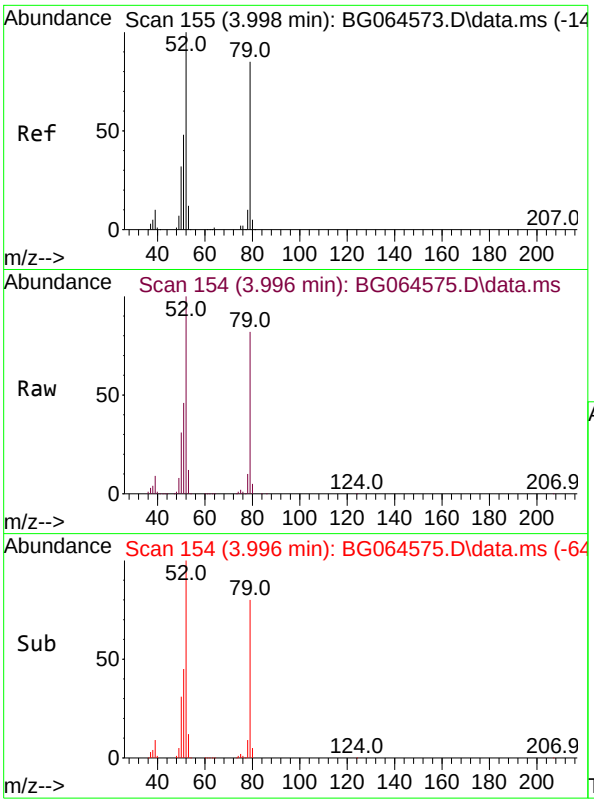


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

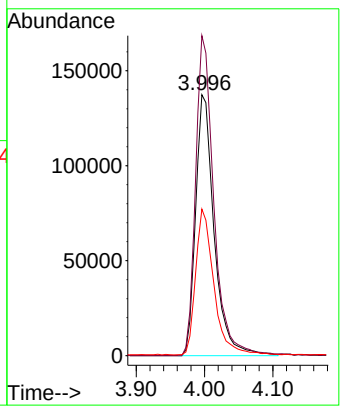




#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 25951

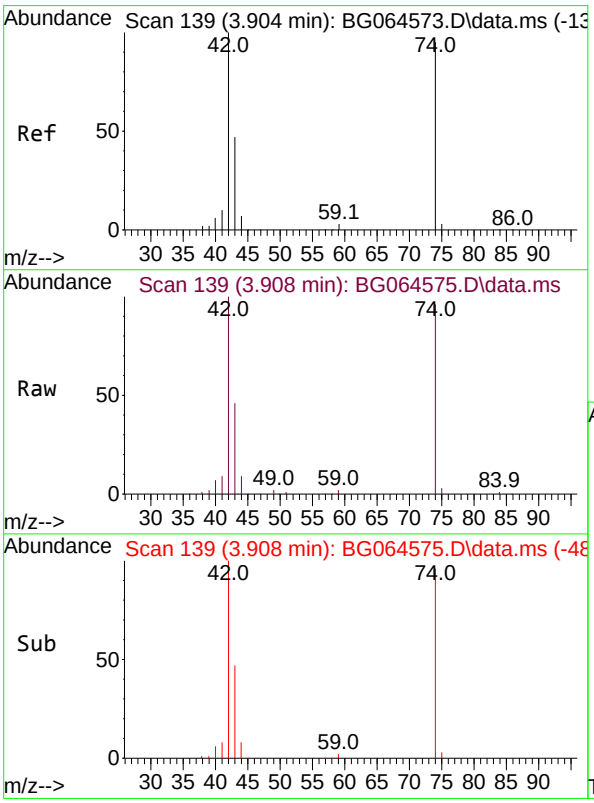
Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

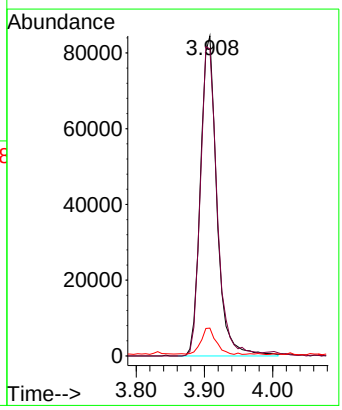
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

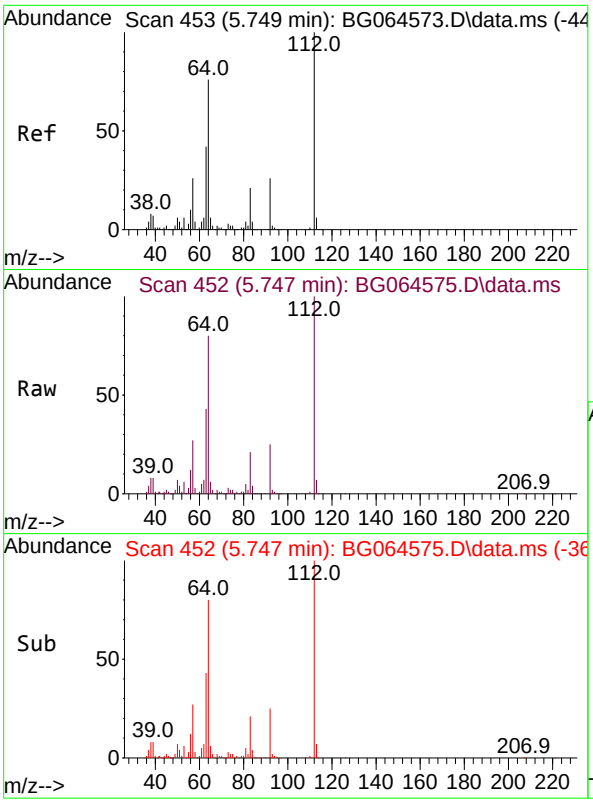


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

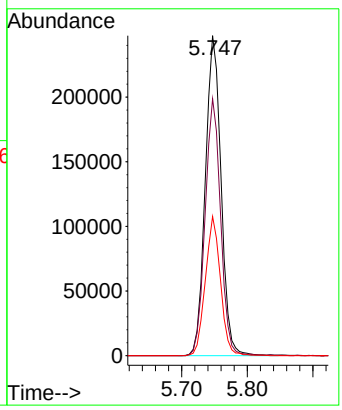




#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:112 Resp: 41158

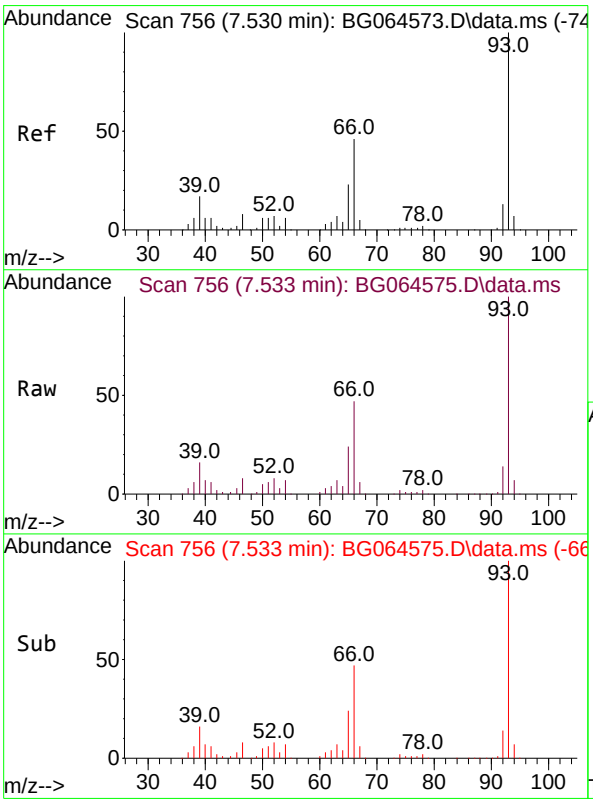
Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

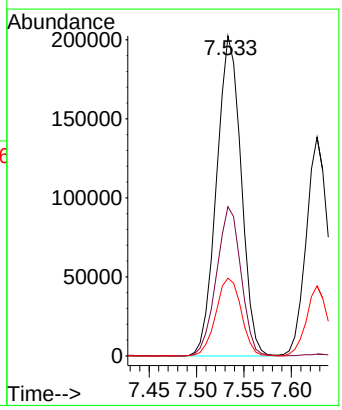
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

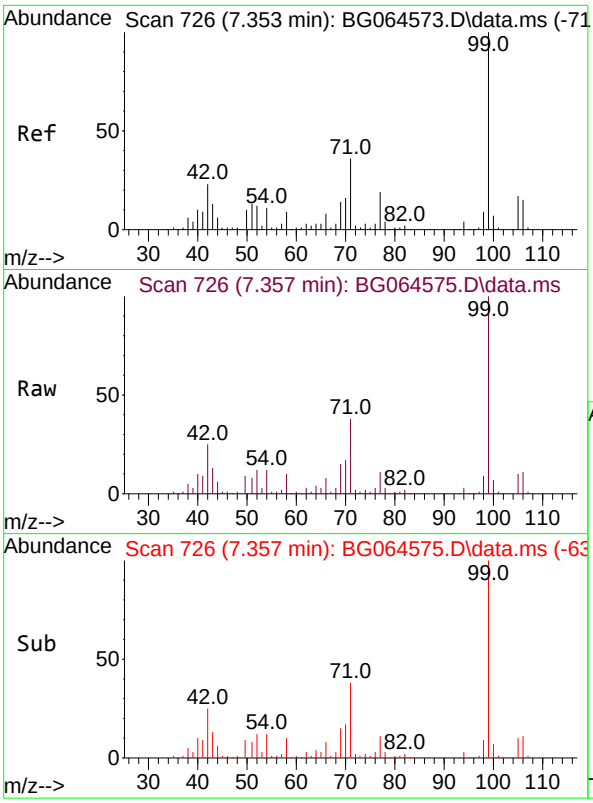


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

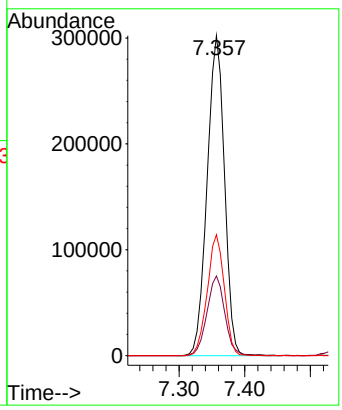




#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 99 Resp: 55428

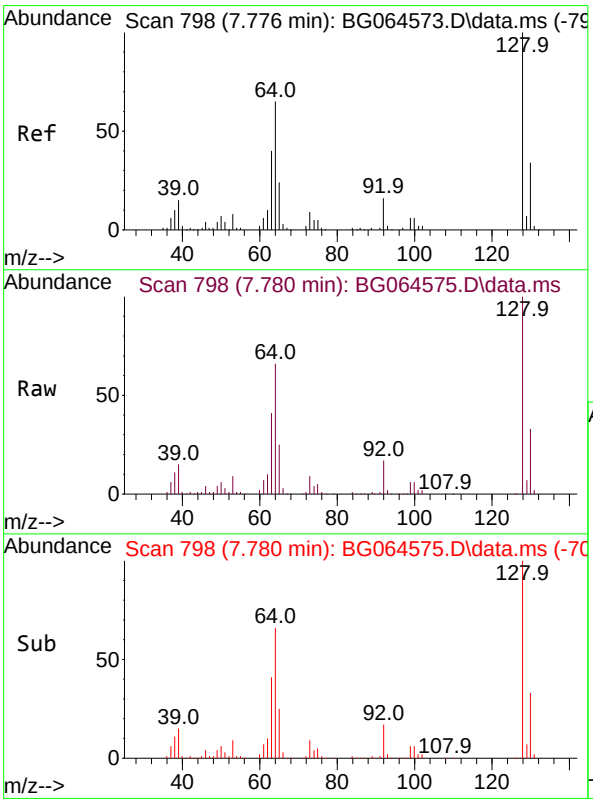
Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.3	27.5
71	37.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

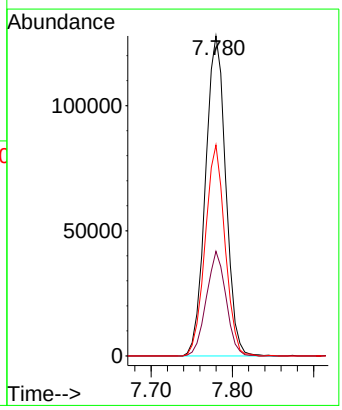
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

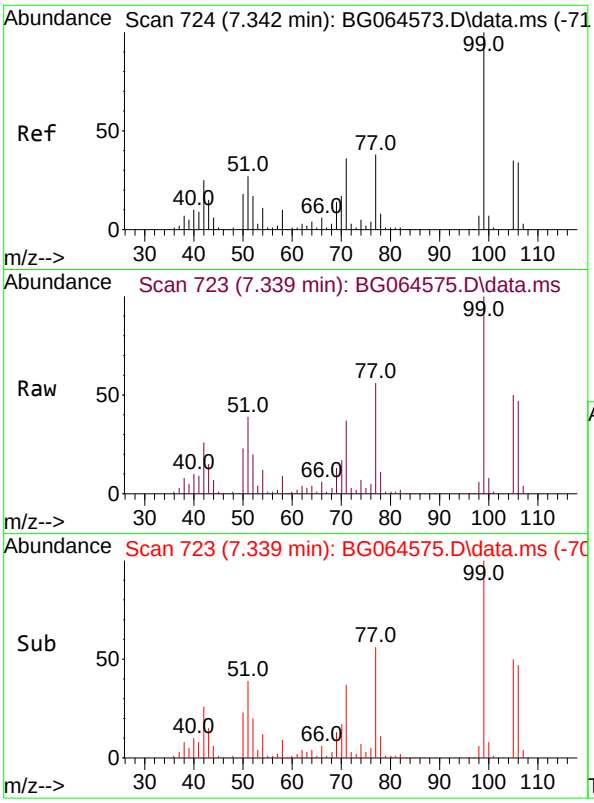


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

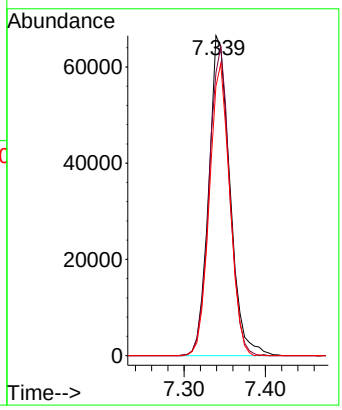




#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 12045

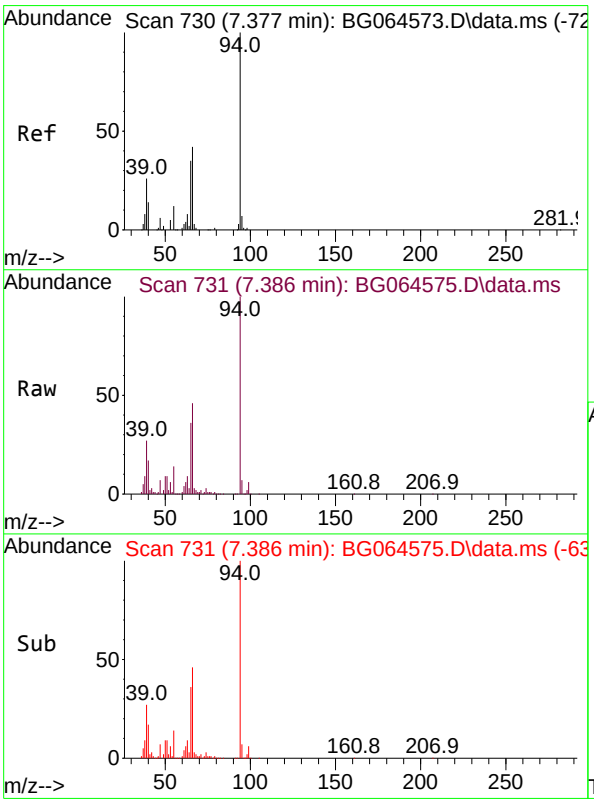
Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

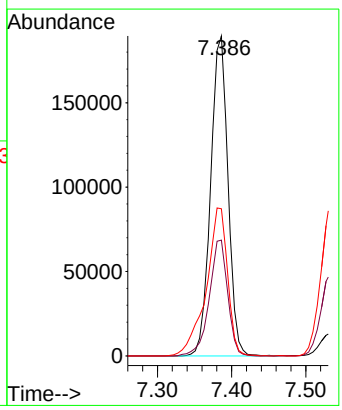
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

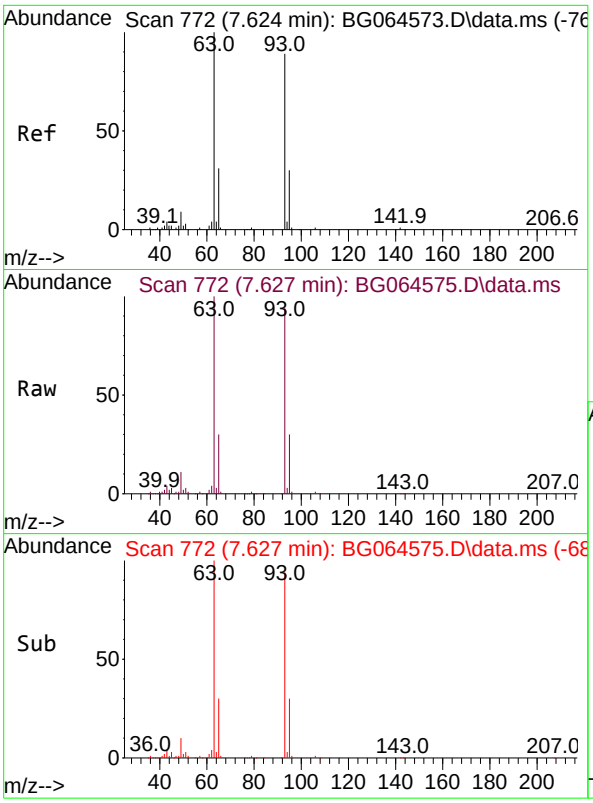


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

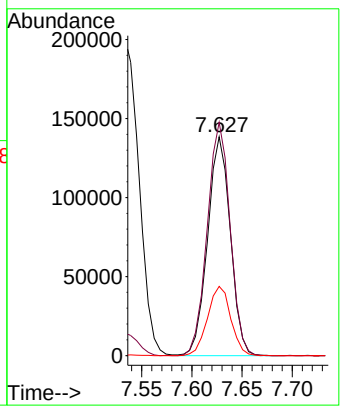




#11
bis(2-Chloroethyl)ether
Concen: 72.119 ng
RT: 7.627 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 21796

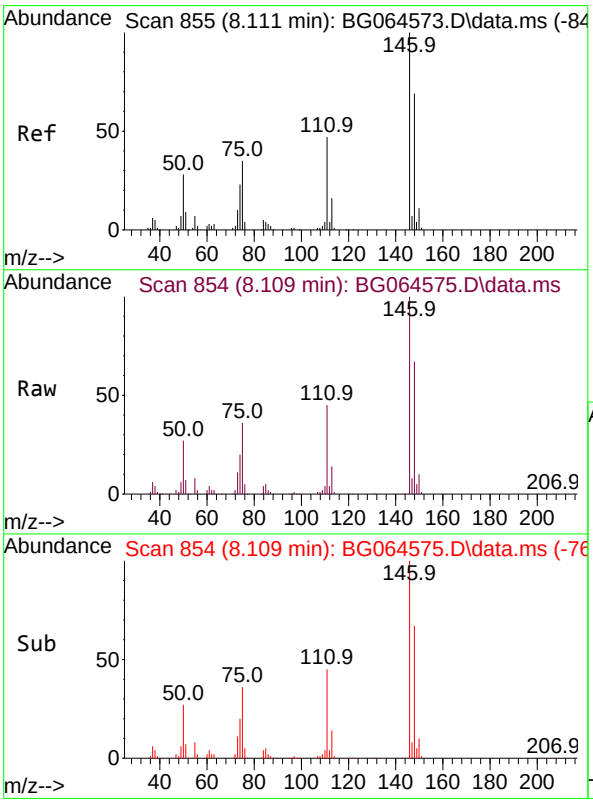
Ion	Ratio	Lower	Upper
93	100		
63	106.7	91.3	131.3
95	31.7	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

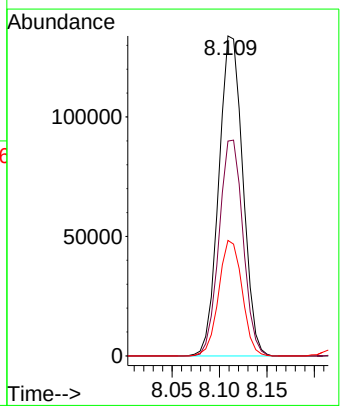
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

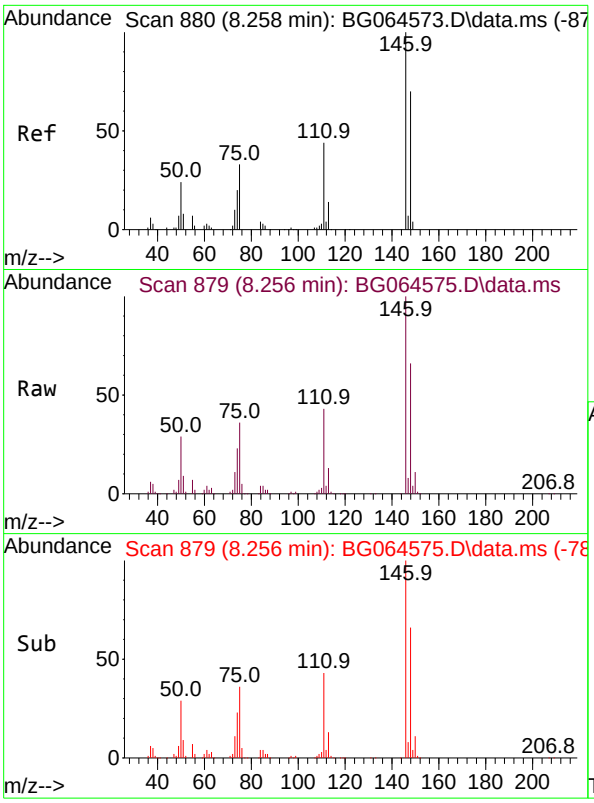


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

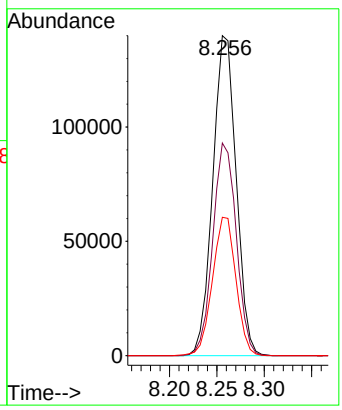




#13
1,4-Dichlorobenzene
Concen: 72.502 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 24057

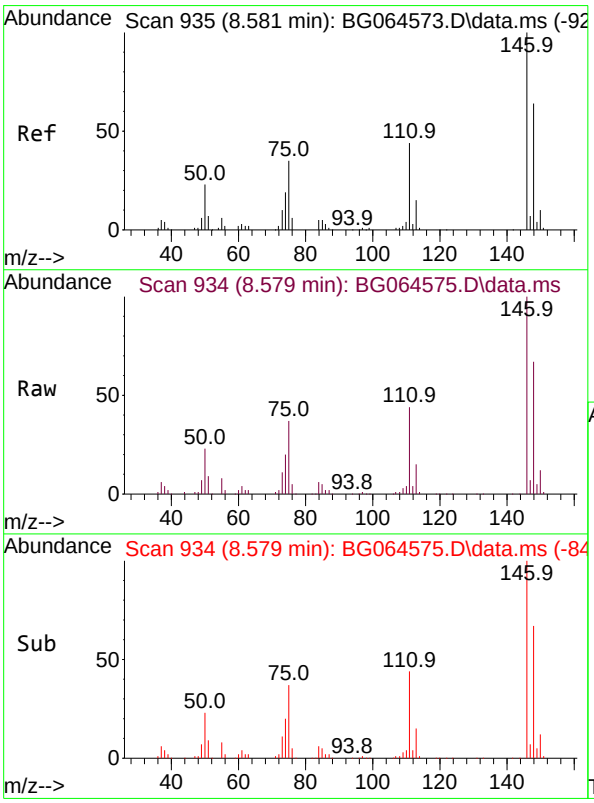
Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

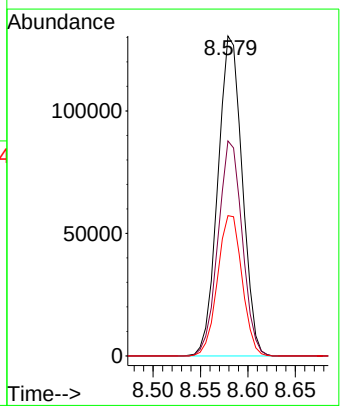
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

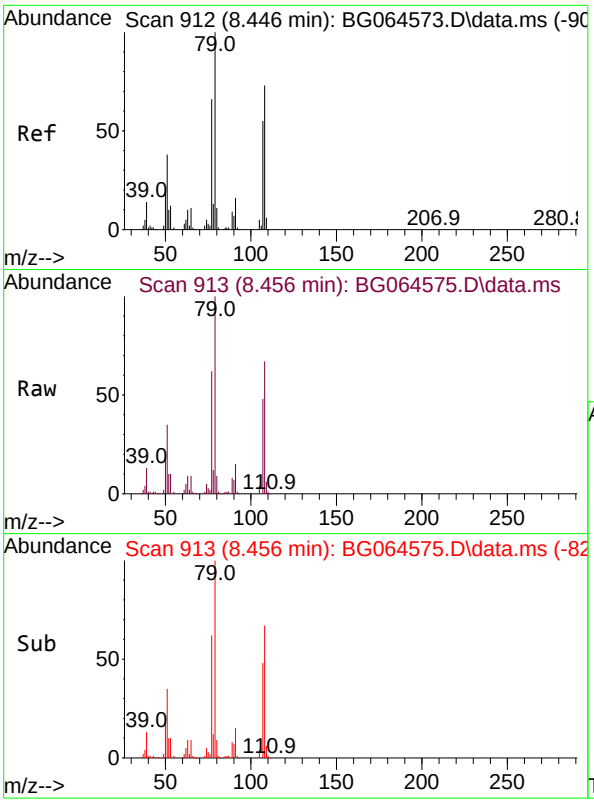


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

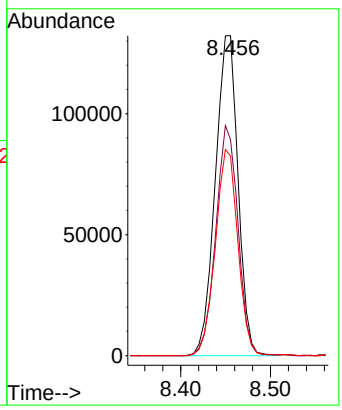




#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 23337

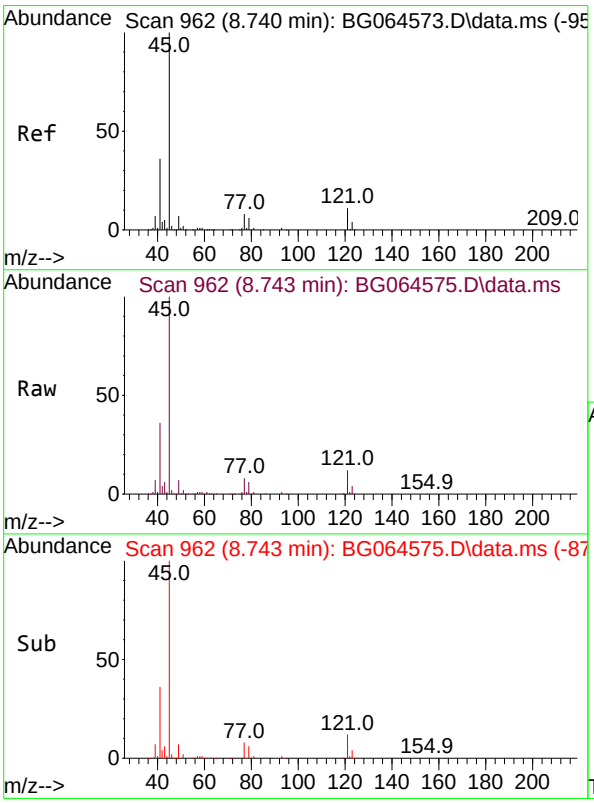
Ion	Ratio	Lower	Upper
79	100		
108	67.5	58.1	87.1
77	62.4	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

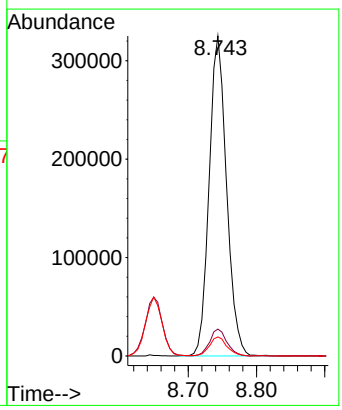
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

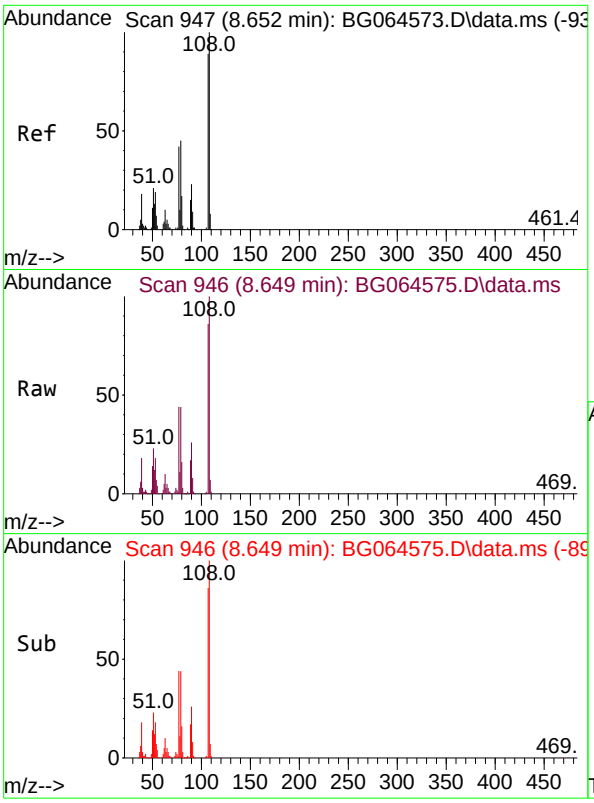


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

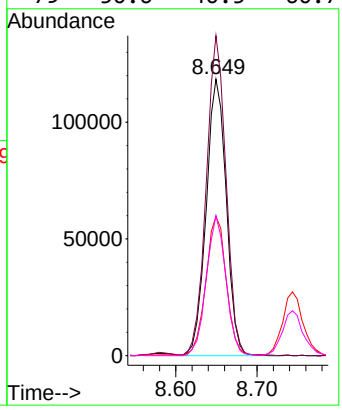




#17
2-Methylphenol
Concen: 74.625 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 20366

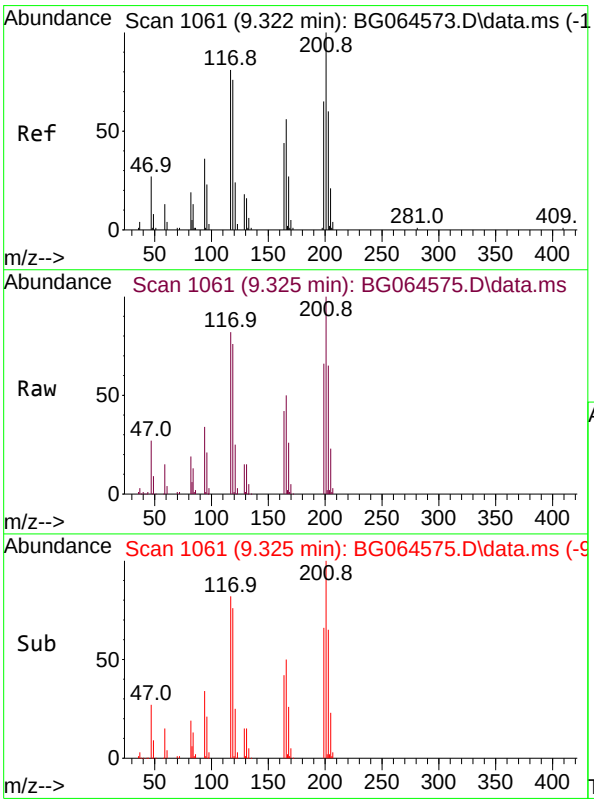
Ion	Ratio	Lower	Upper
107	100		
108	115.8	90.0	135.0
77	50.4	37.8	56.8
79	50.6	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

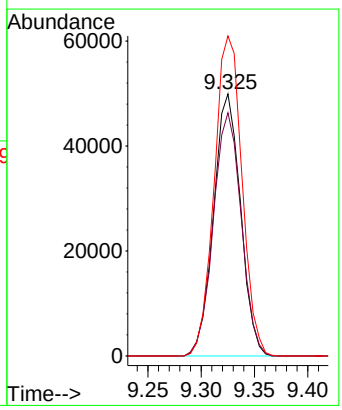
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

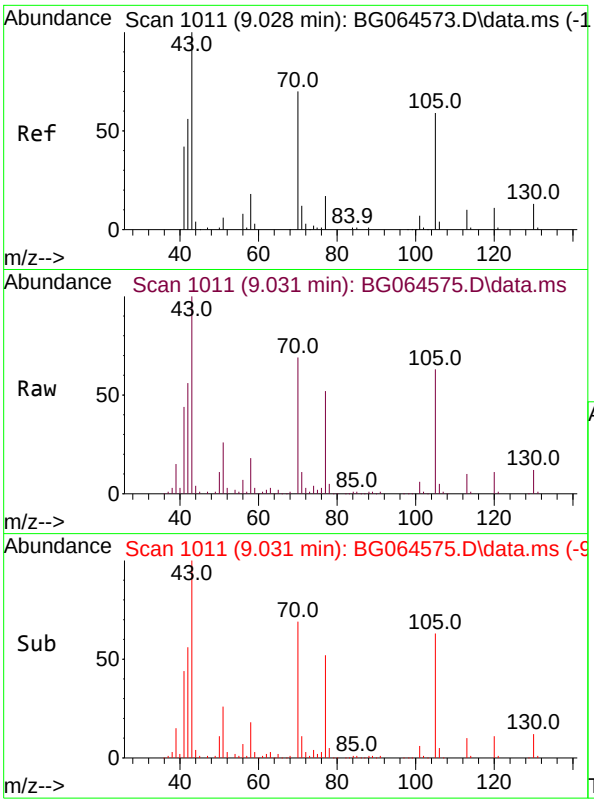


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

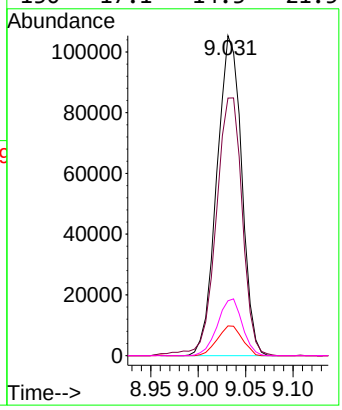




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 70 Resp: 19215

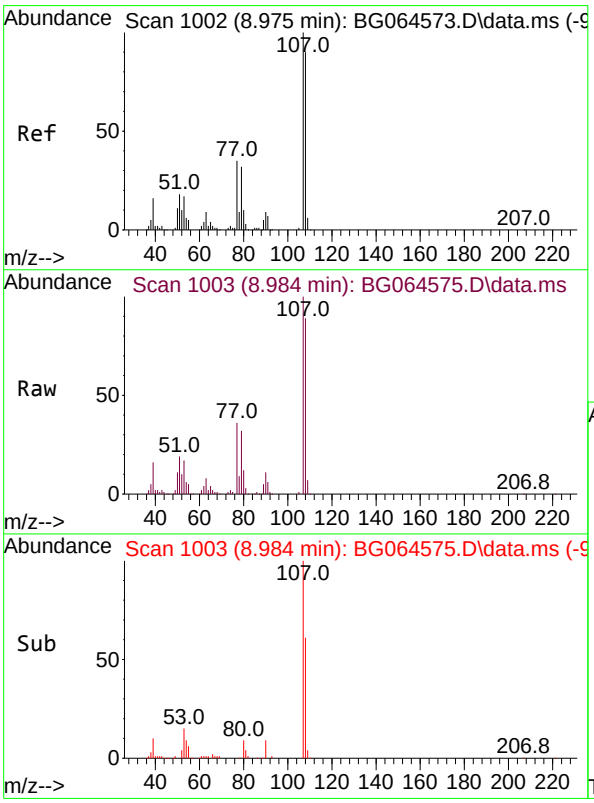
Ion	Ratio	Lower	Upper
70	100		
42	80.5	65.2	97.8
101	9.3	7.9	11.9
130	17.1	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

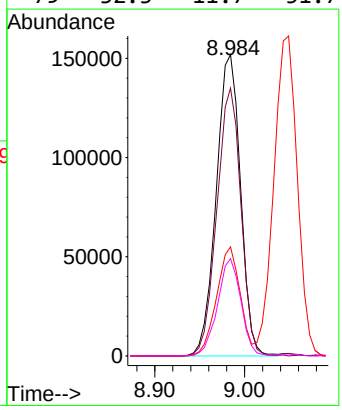
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

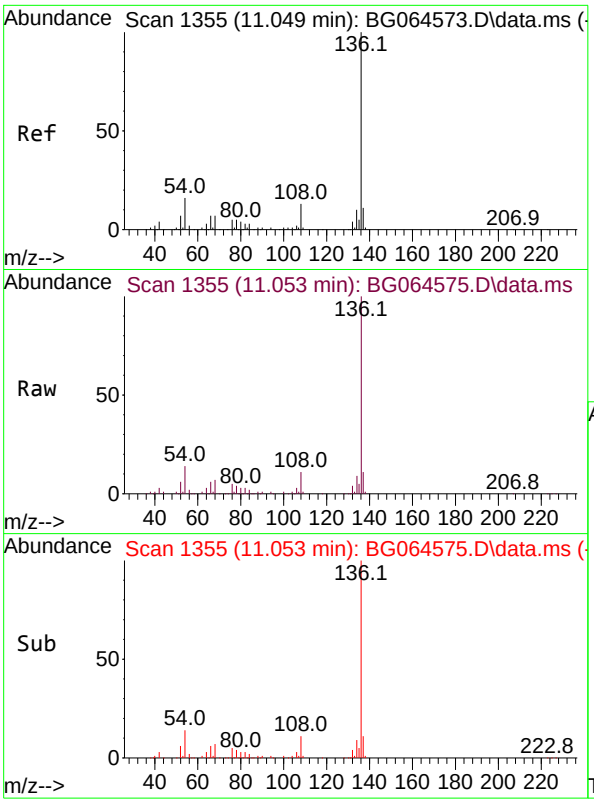


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

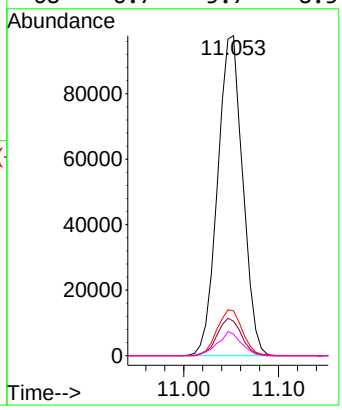




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:136 Resp: 179569

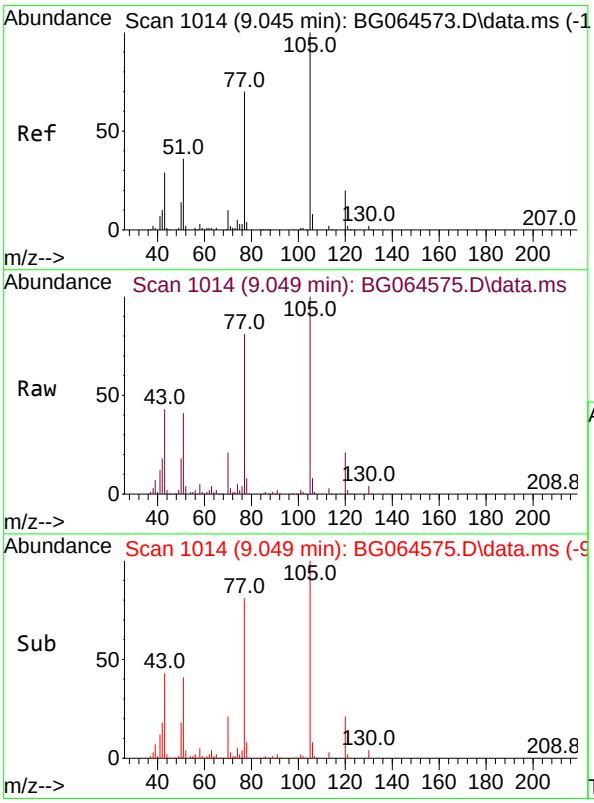
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

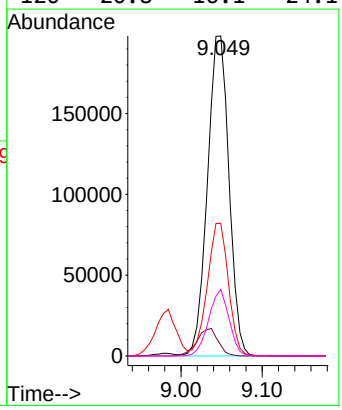
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

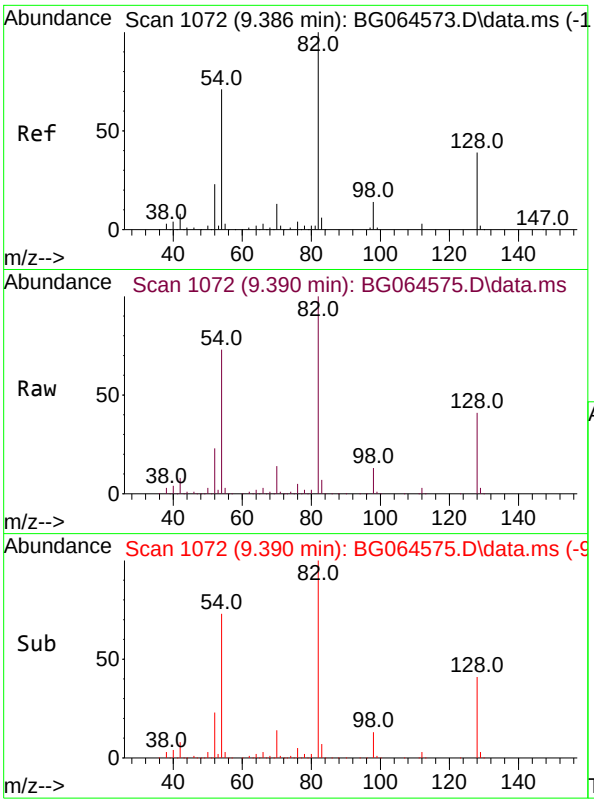


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

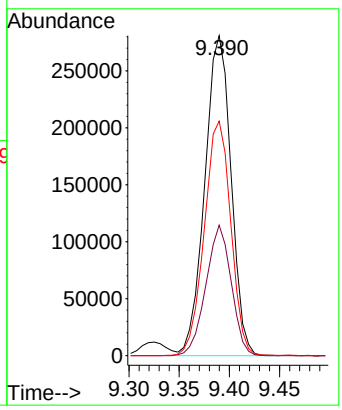




#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 511341

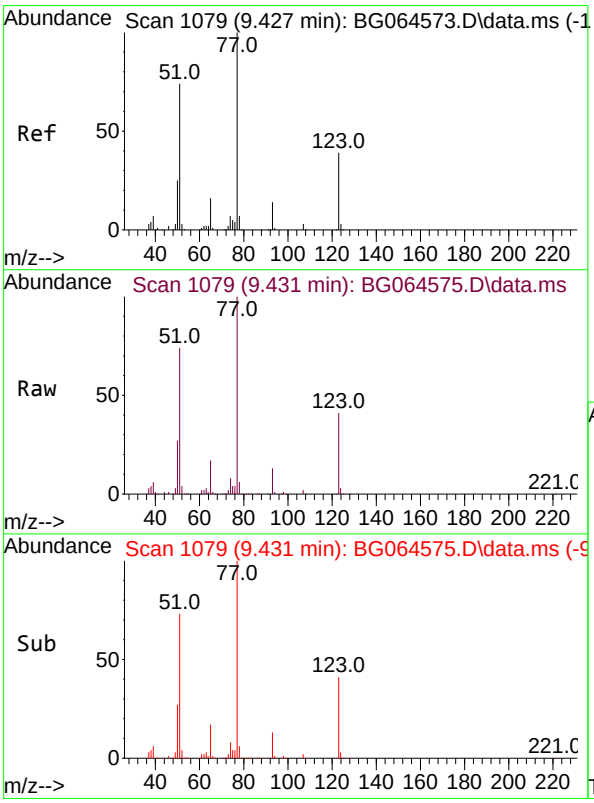
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	73.3	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

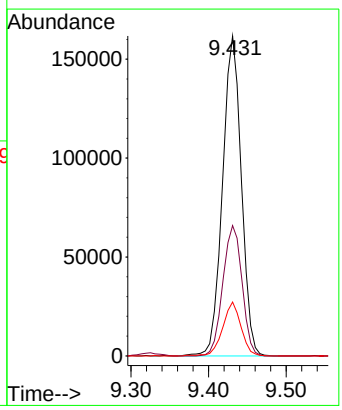
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

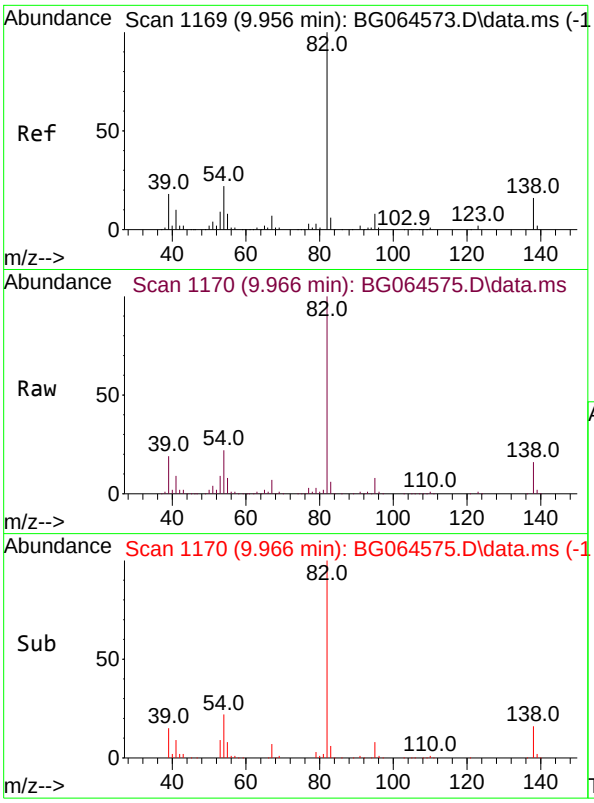


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

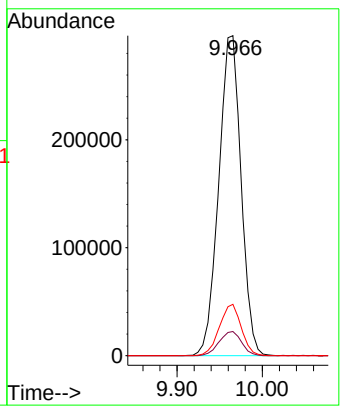




#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 539121

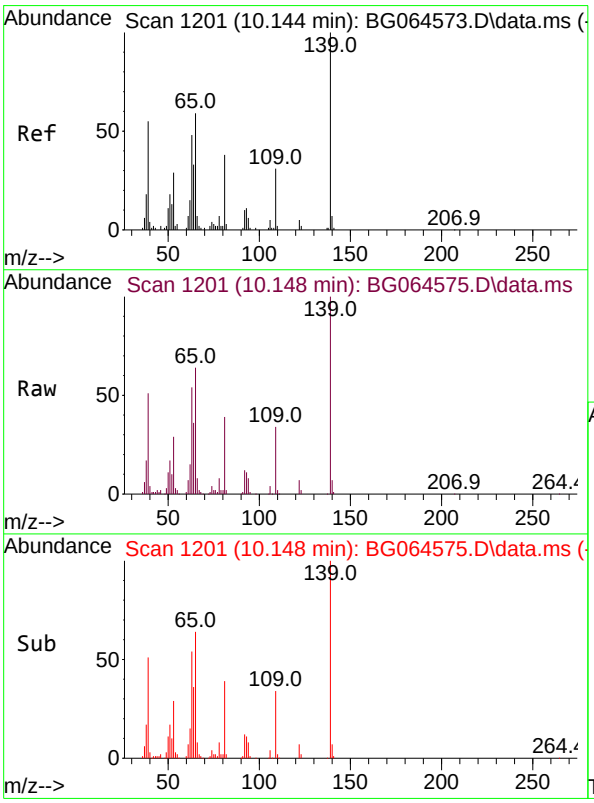
Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.0	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

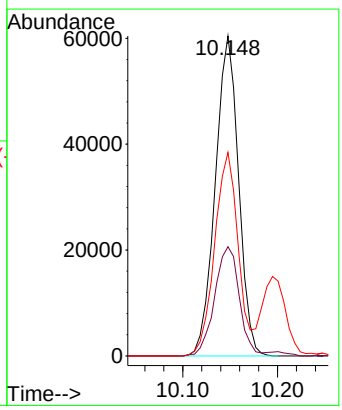
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

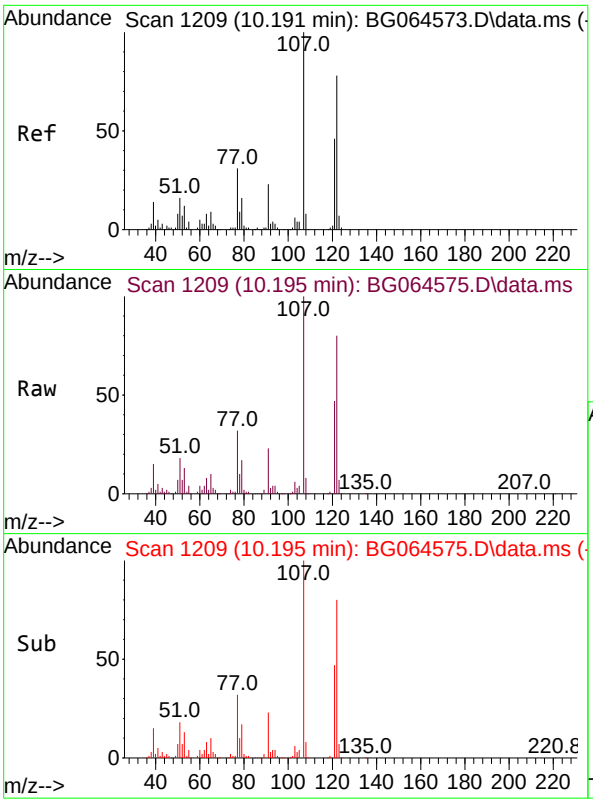


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

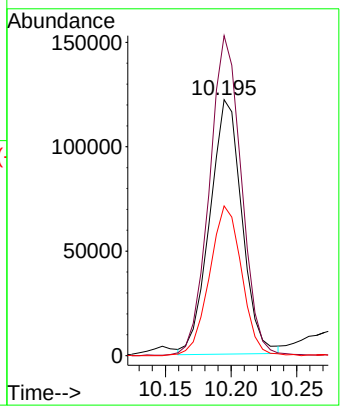




#27
2,4-Dimethylphenol
Concen: 77.967 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 20805

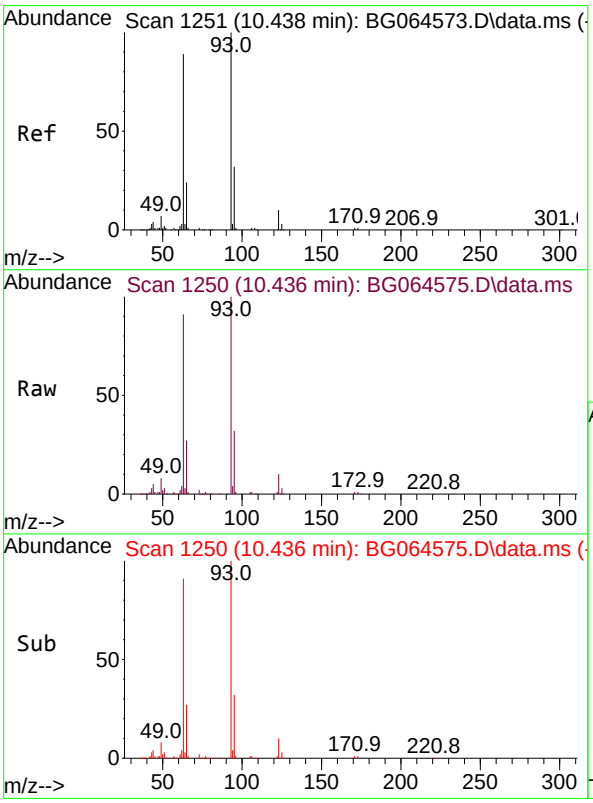
Ion	Ratio	Lower	Upper
122	100		
107	125.0	103.0	154.4
121	58.5	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

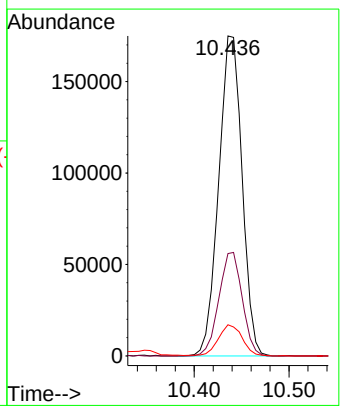
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

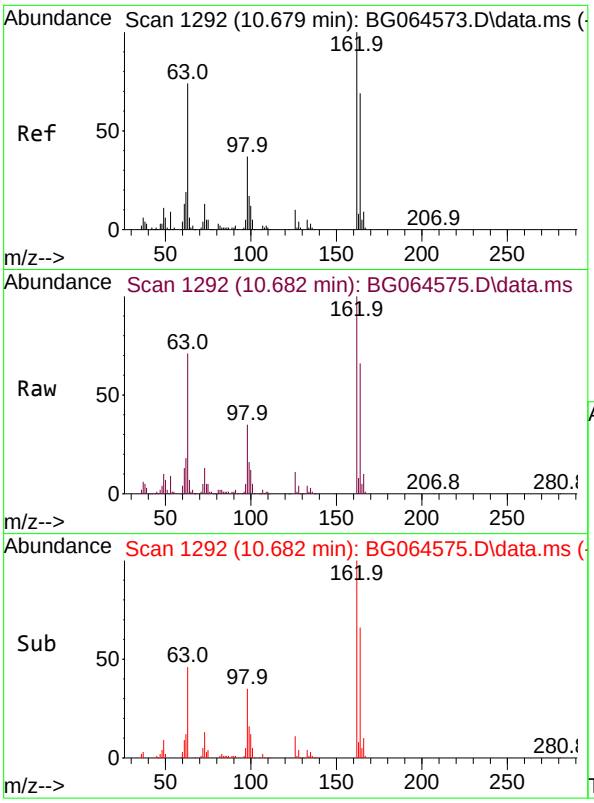


#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

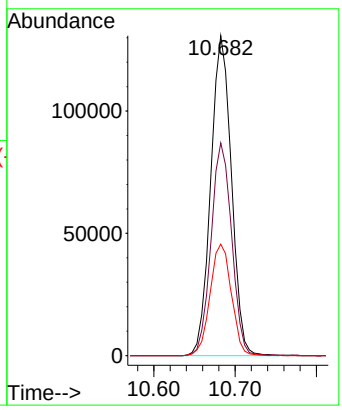




#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 23125

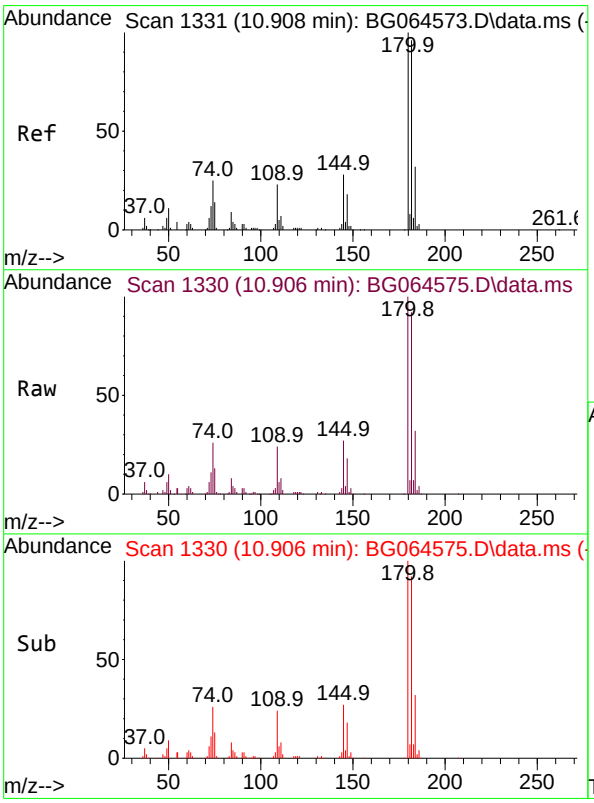
Ion	Ratio	Lower	Upper
162	100		
164	66.5	48.7	88.7
98	34.8	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

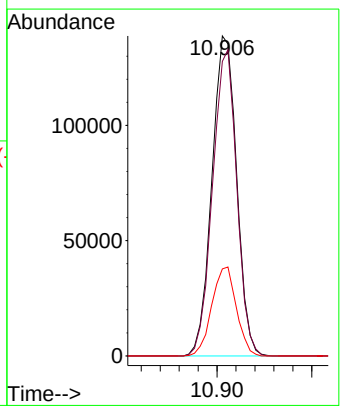
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

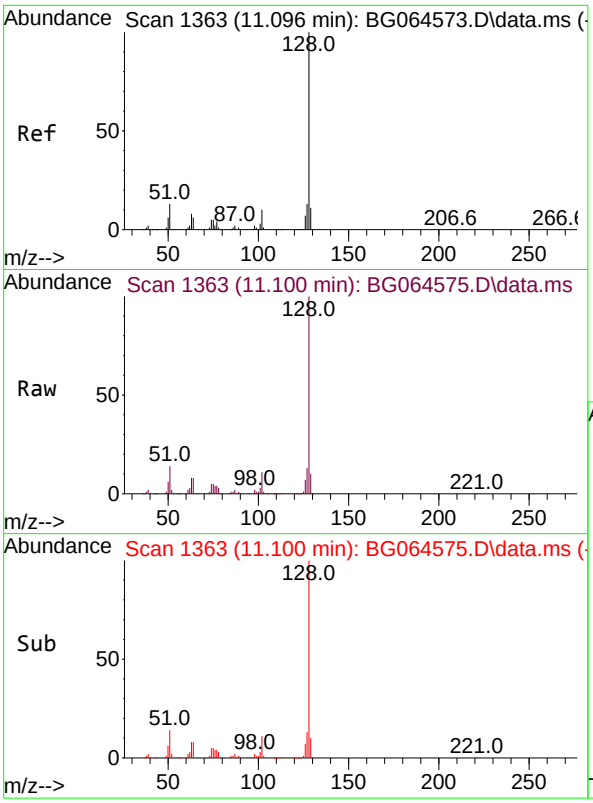


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

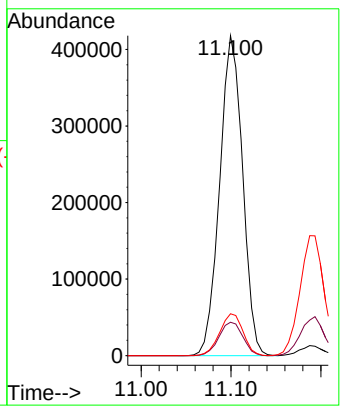




#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 74498

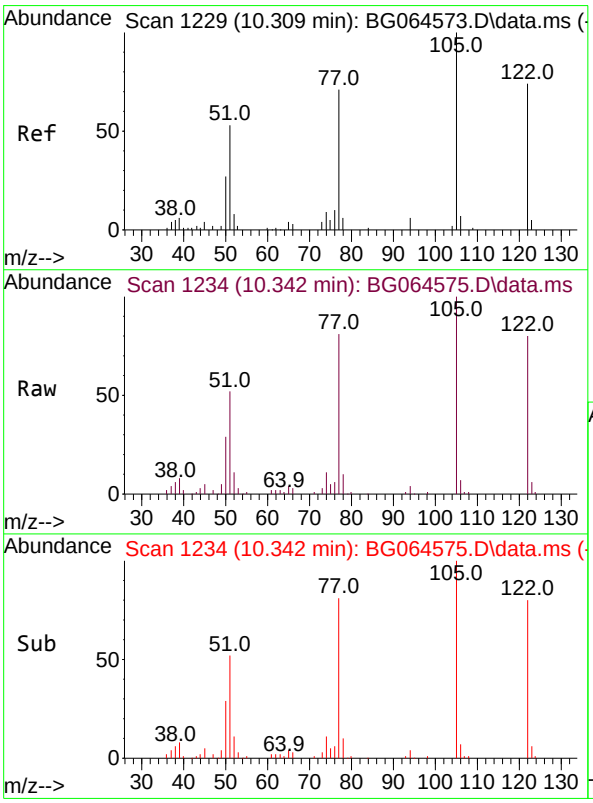
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

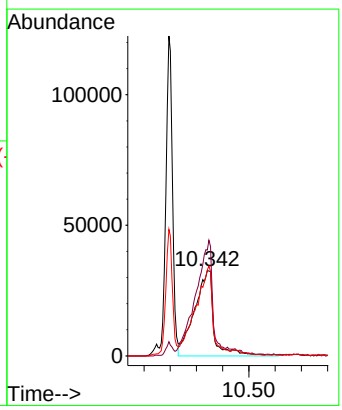
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

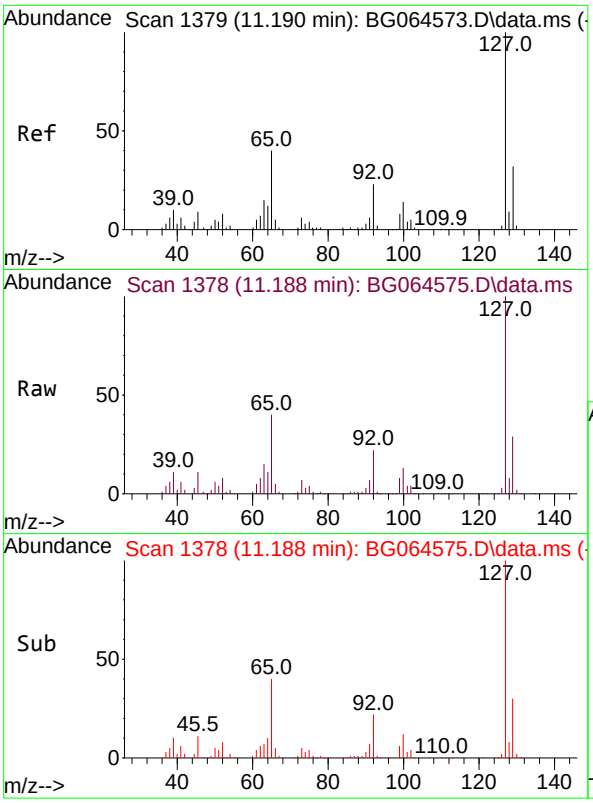


#32
Benzoic acid
Concen: 77.917 ng m
RT: 10.342 min Scan# 1234
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

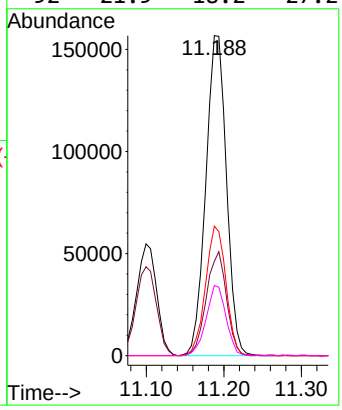




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:127 Resp: 29061

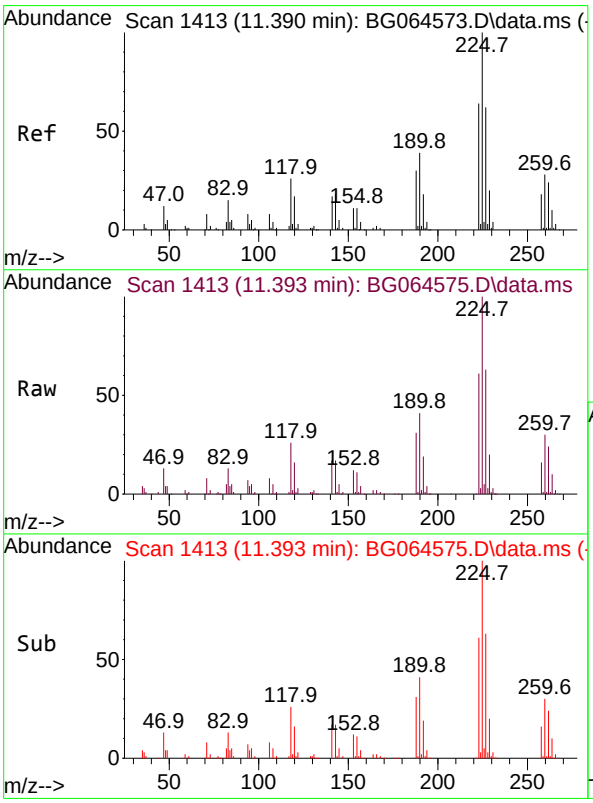
Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.5	38.3
65	40.5	32.2	48.4
92	21.9	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

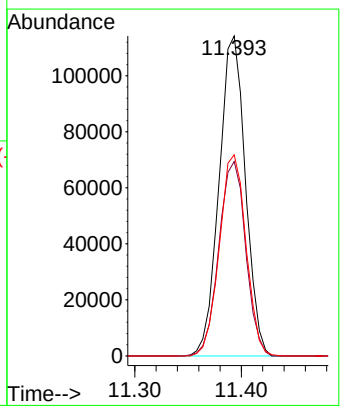
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

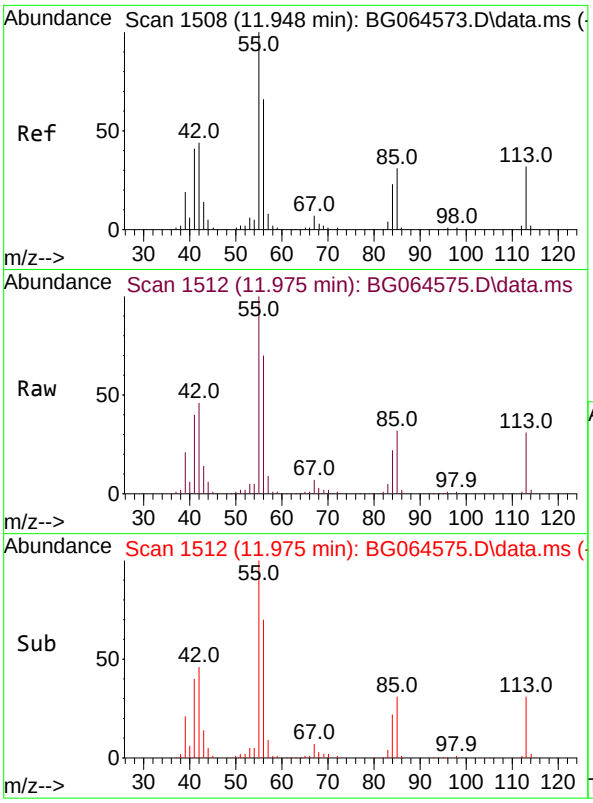


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

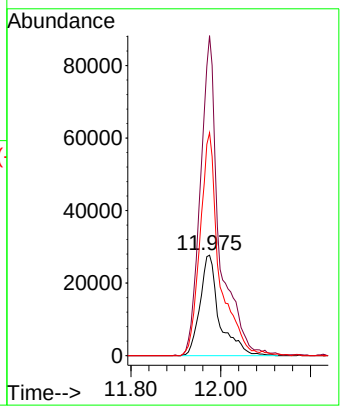




#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:113 Resp: 8326

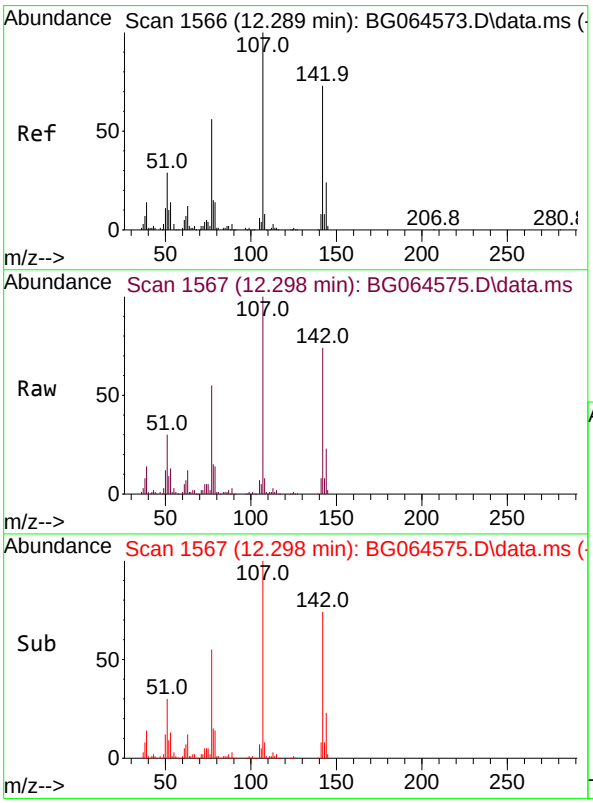
Ion	Ratio	Lower	Upper
113	100		
55	318.6	290.1	330.1
56	221.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

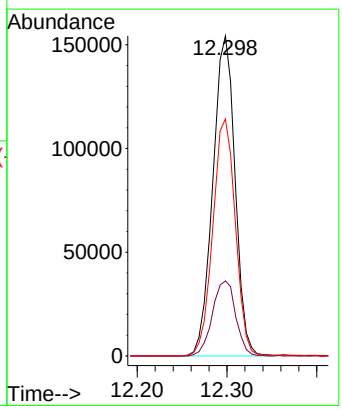
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

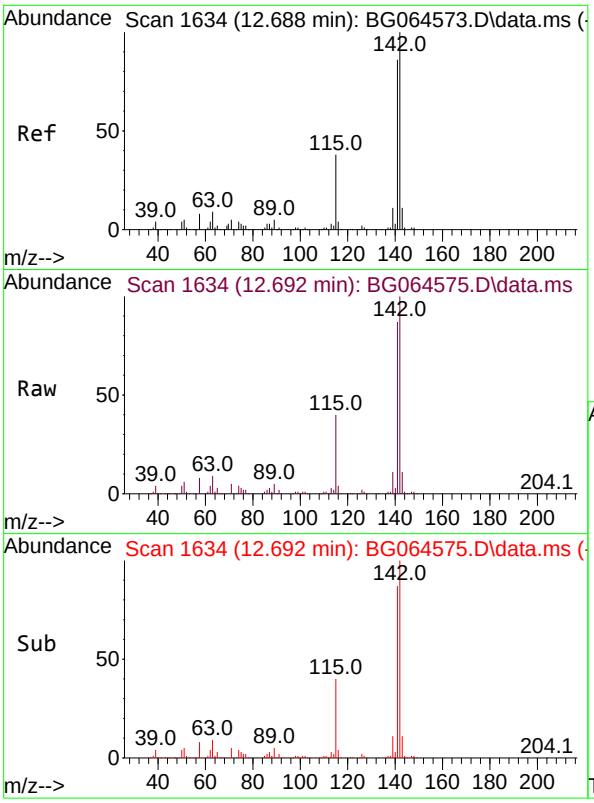


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

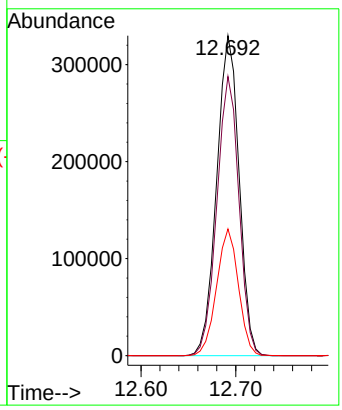




#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 54213

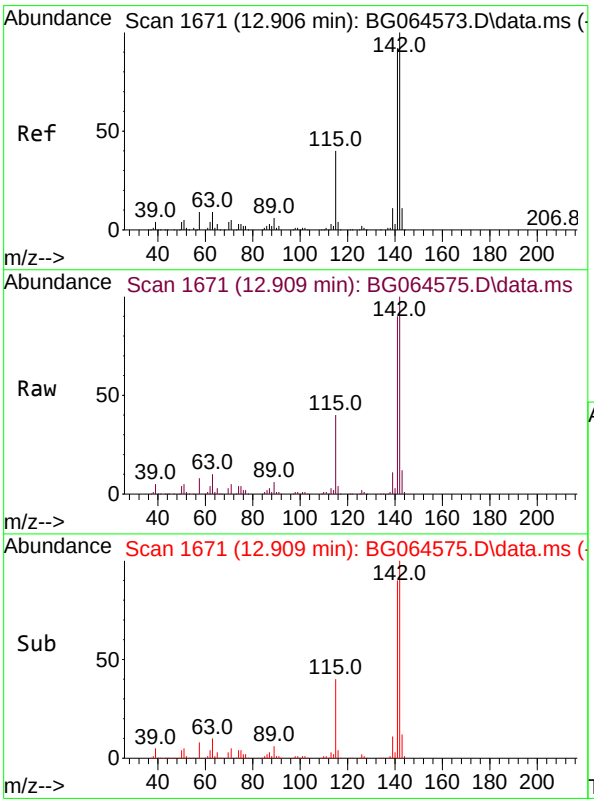
Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

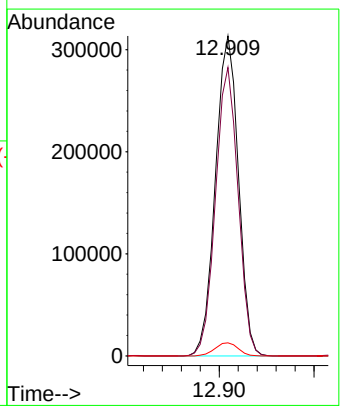
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

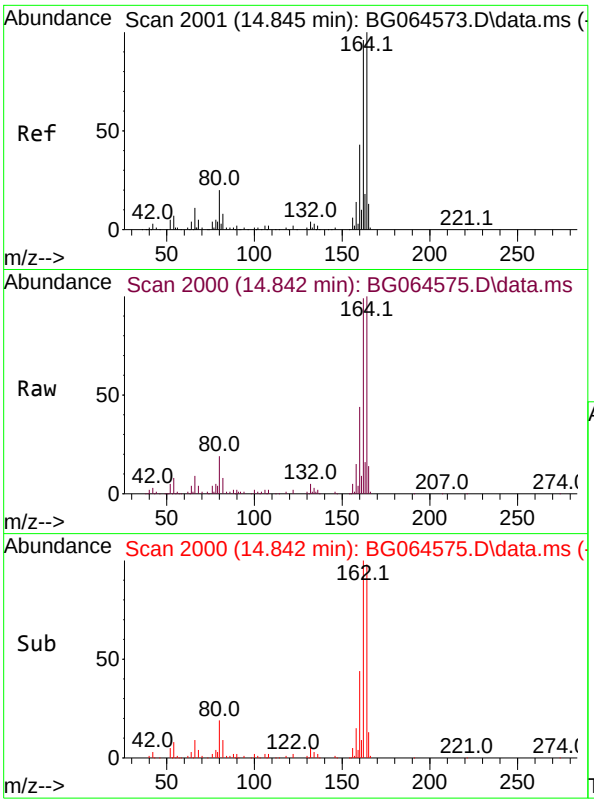


#38
1-Methylnaphthalene
Concen: 72.945 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

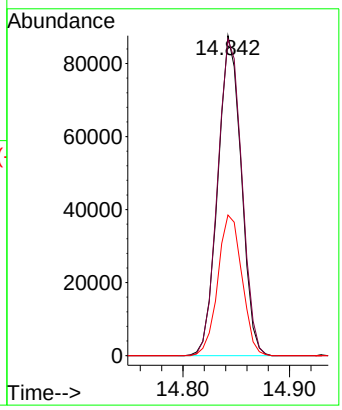




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:164 Resp: 13379

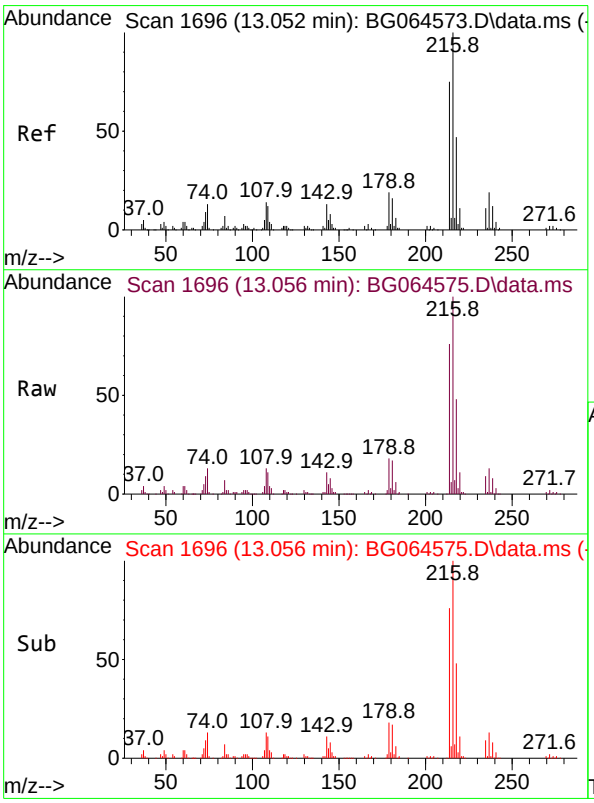
Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

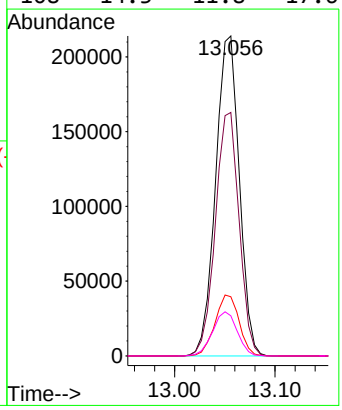
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

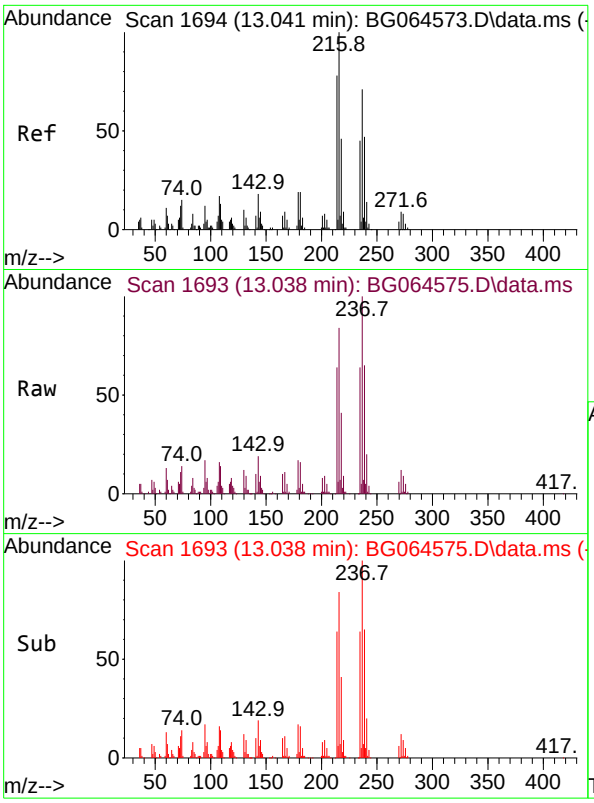


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

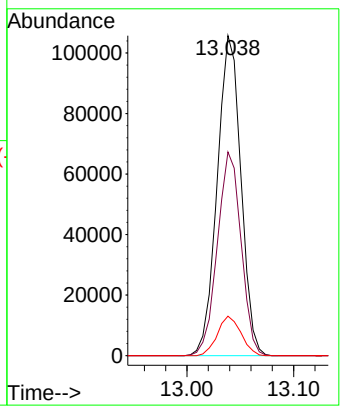




#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:237 Resp: 16346

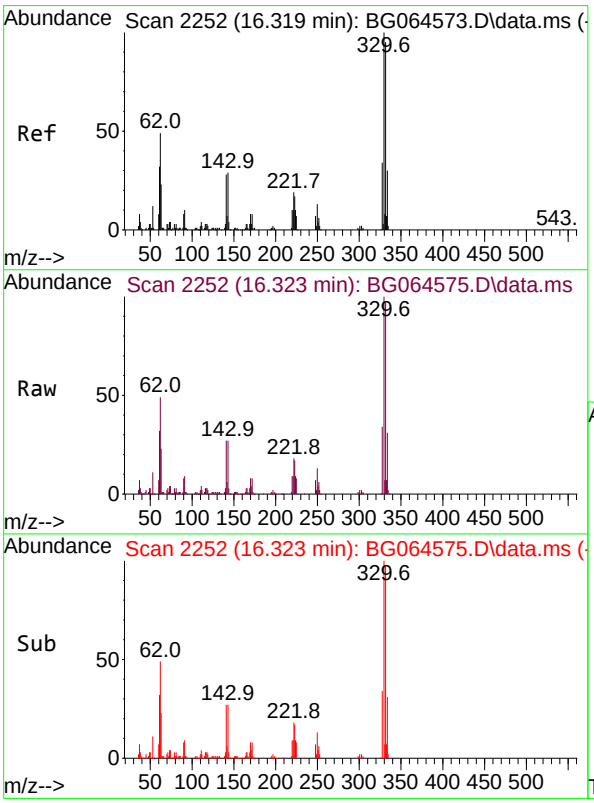
Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

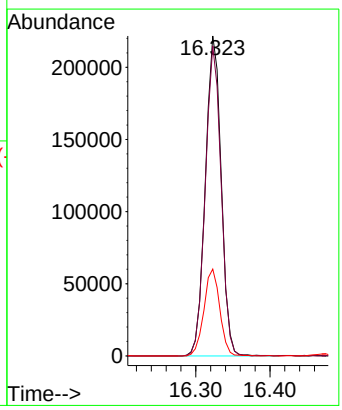
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

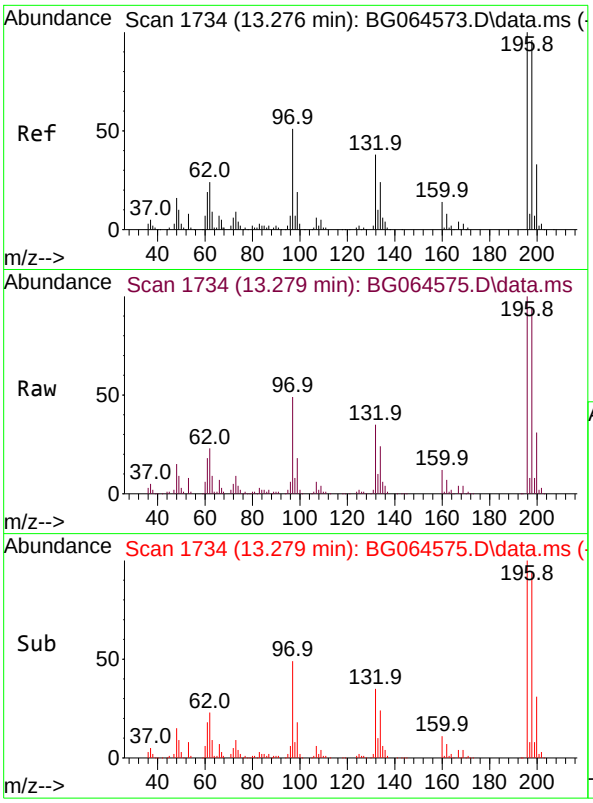


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

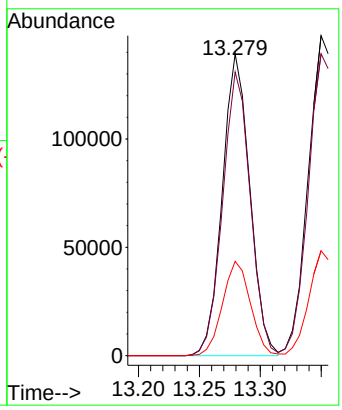




#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 21831

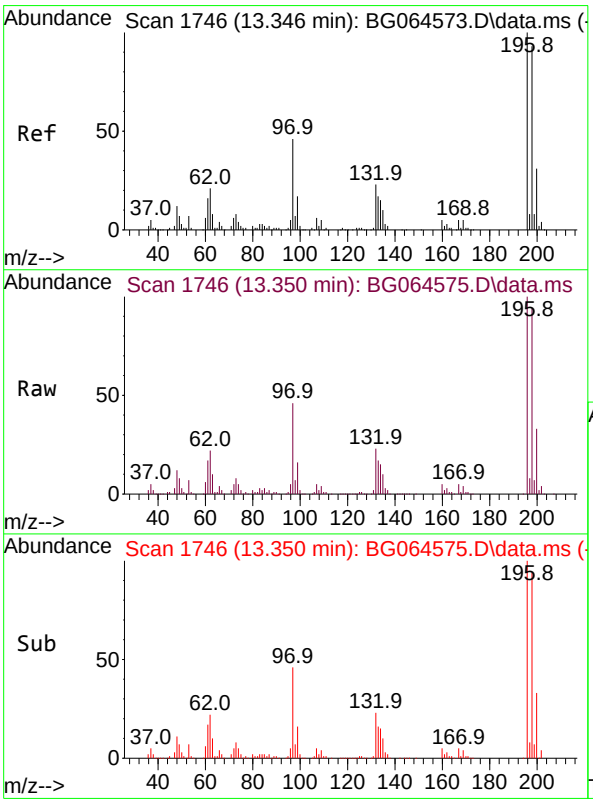
Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.6	115.0
200	31.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

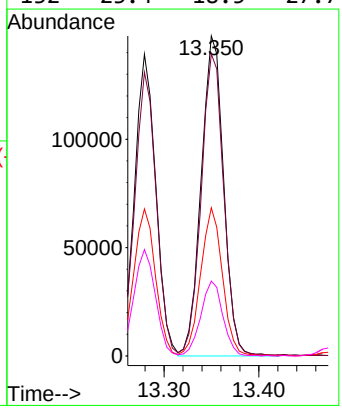
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

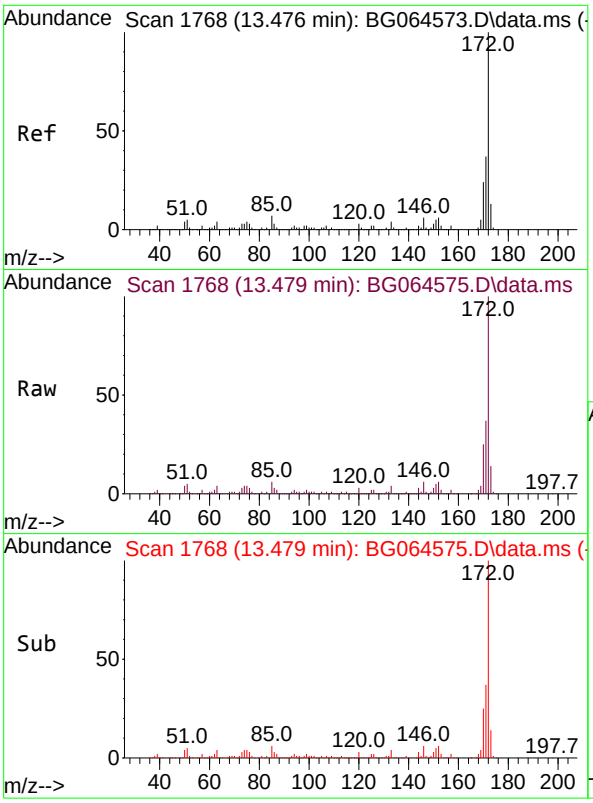


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

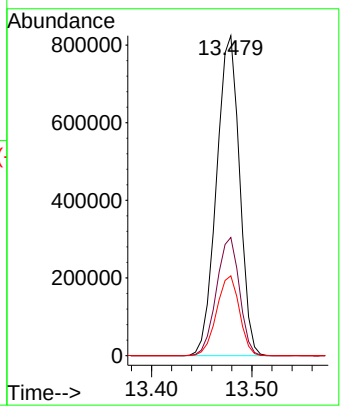




#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:172 Resp: 131489

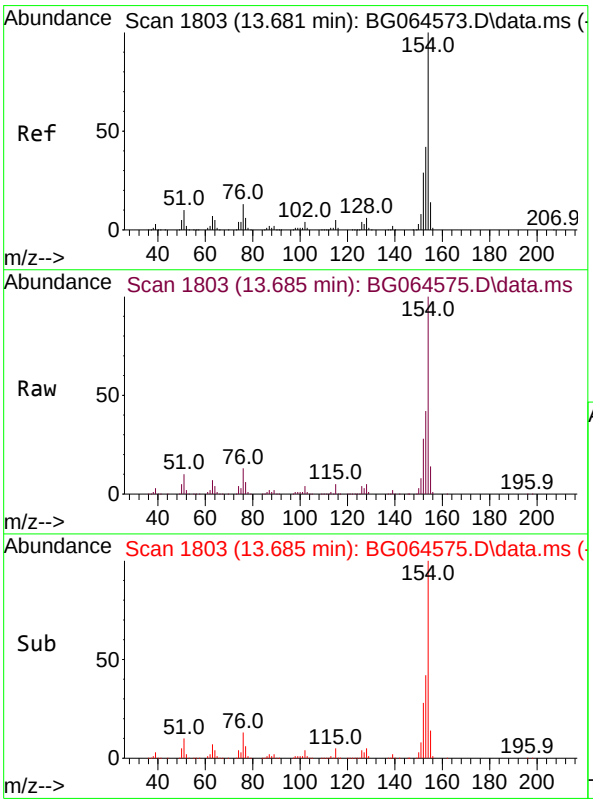
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

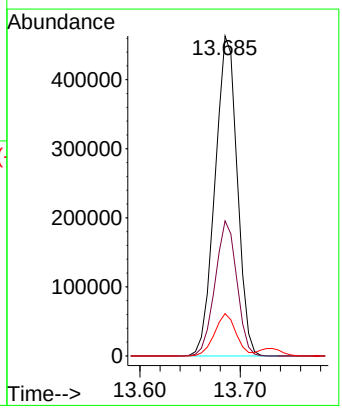
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

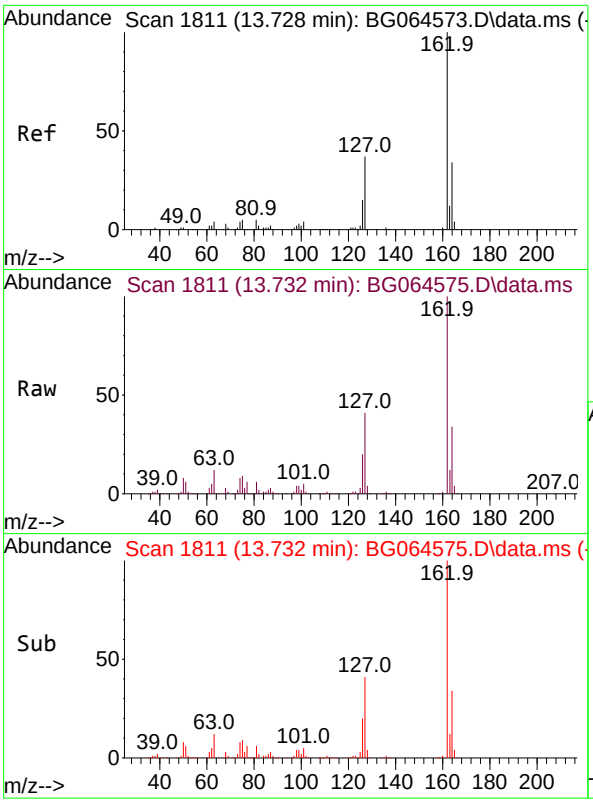


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

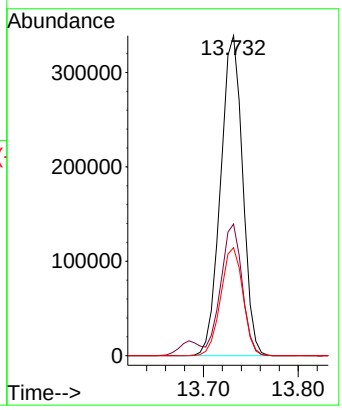




#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 54724

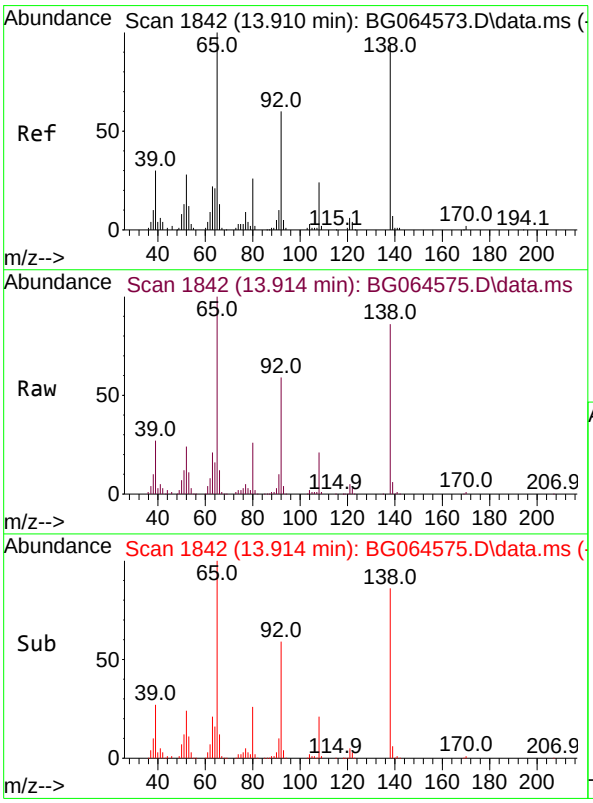
Ion	Ratio	Lower	Upper
162	100		
127	41.1	32.2	48.2
164	33.7	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

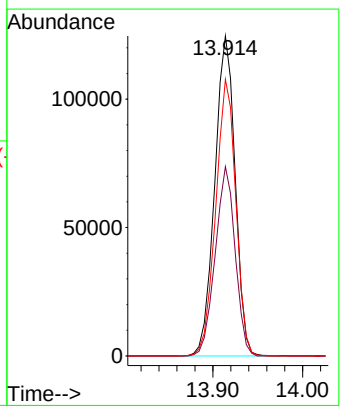
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

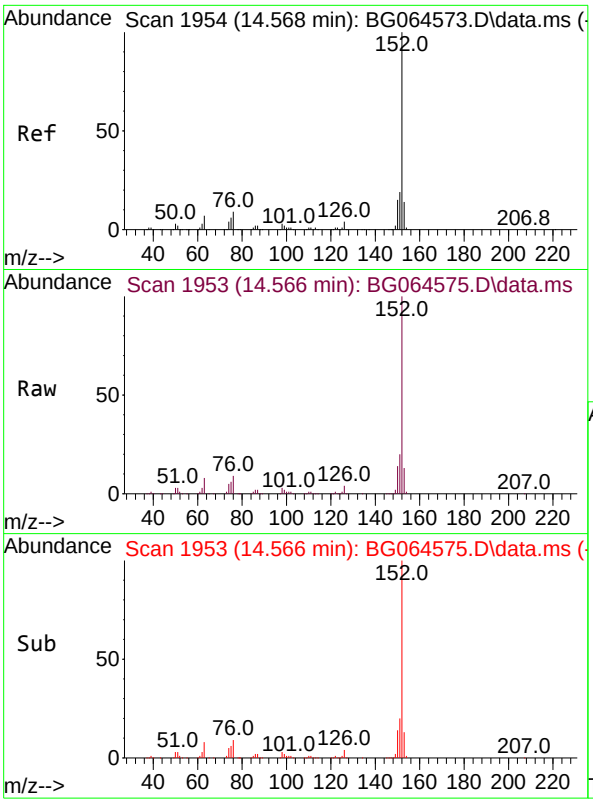


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

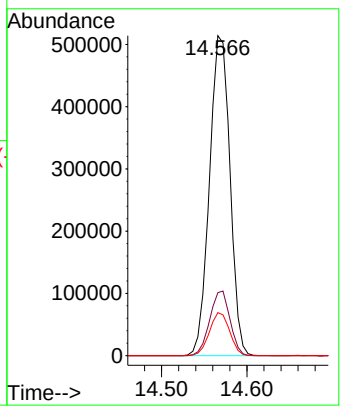




#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 85851

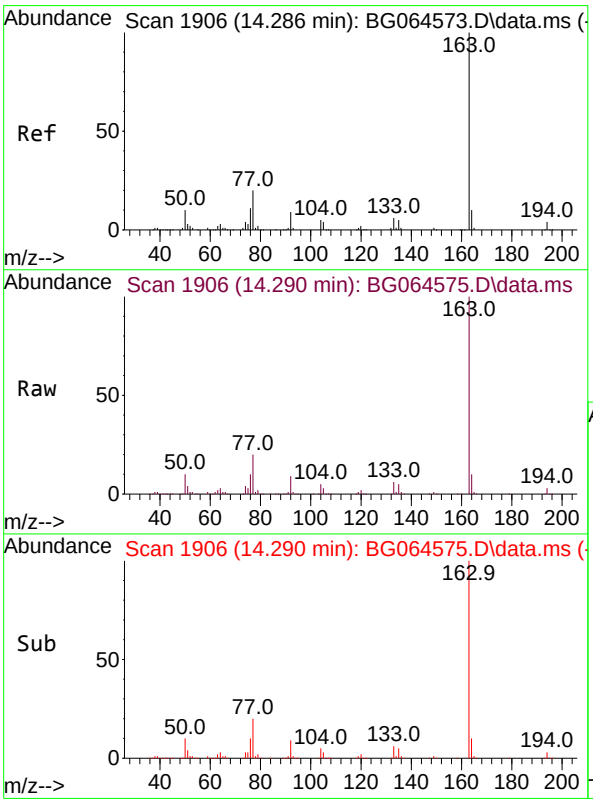
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

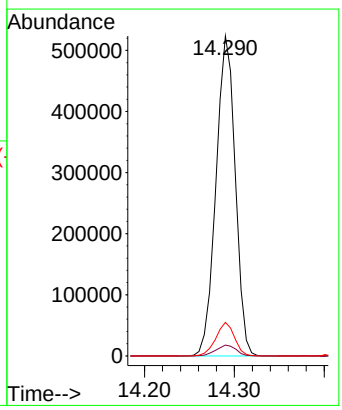
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

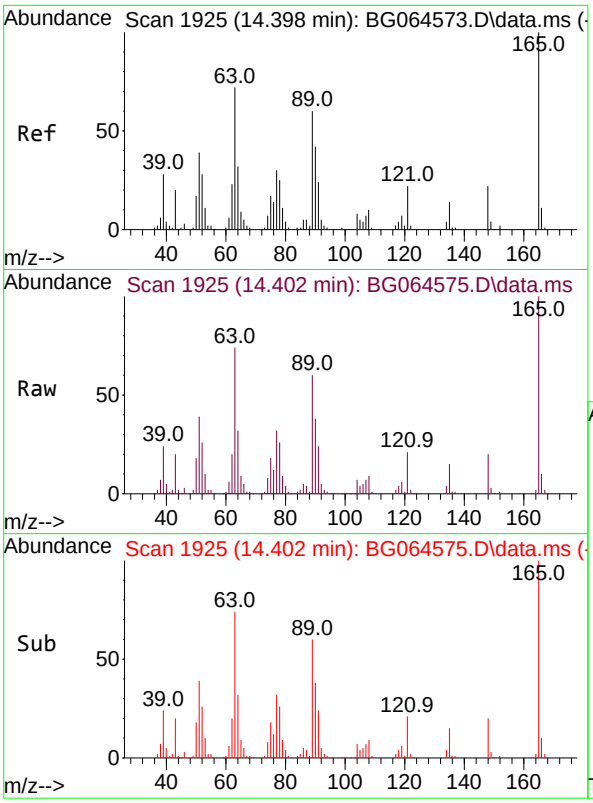


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

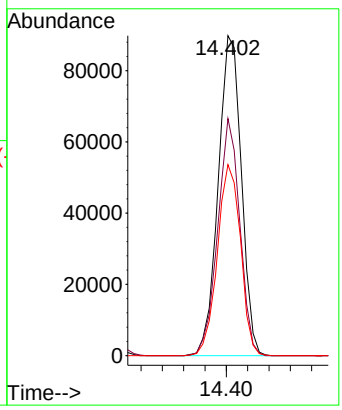




#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 135769

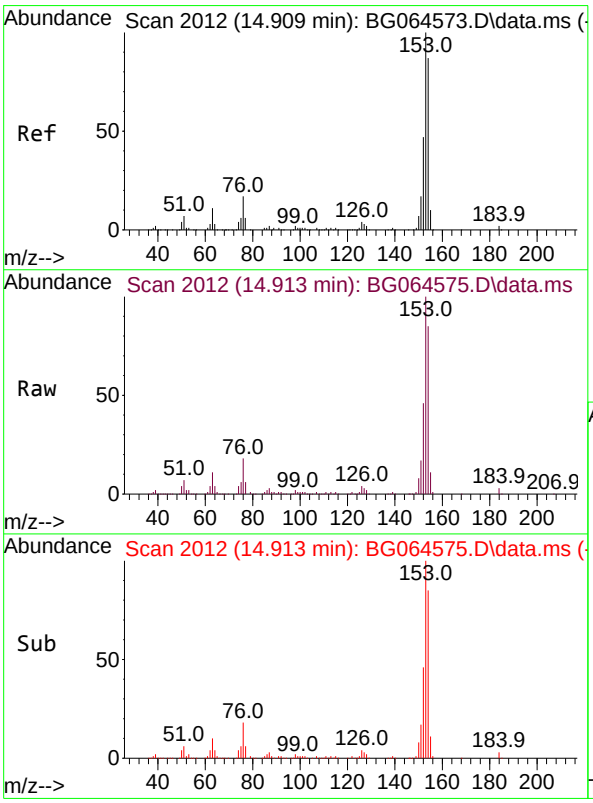
Ion	Ratio	Lower	Upper
165	100		
63	74.1	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

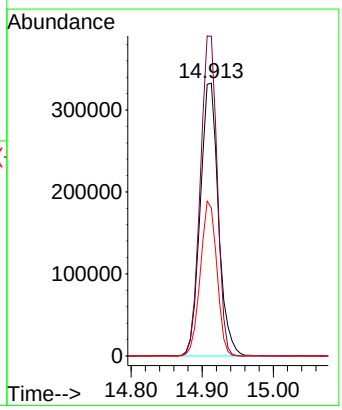
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

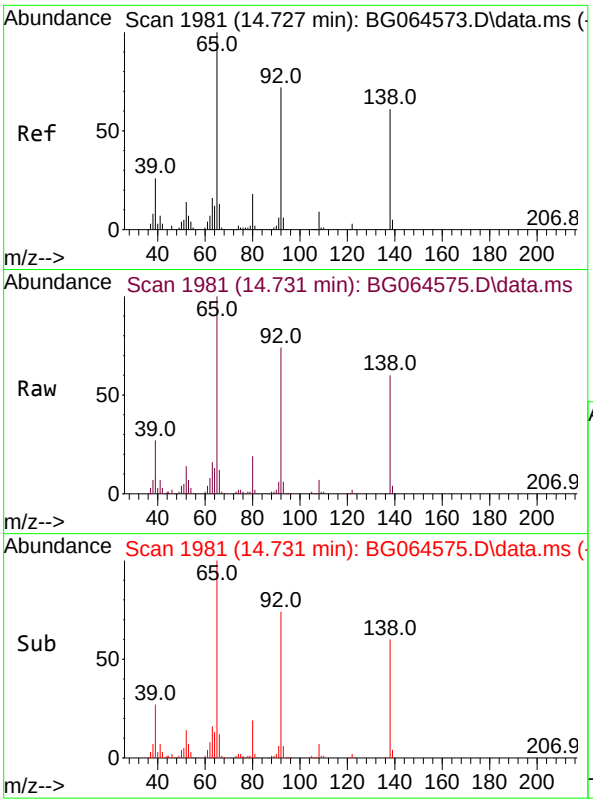


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

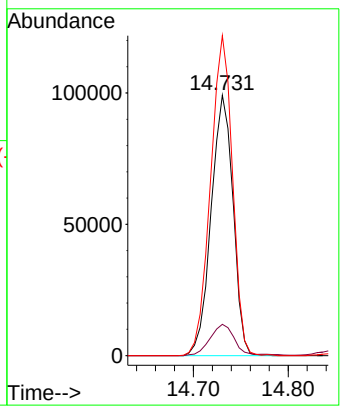




#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 15907

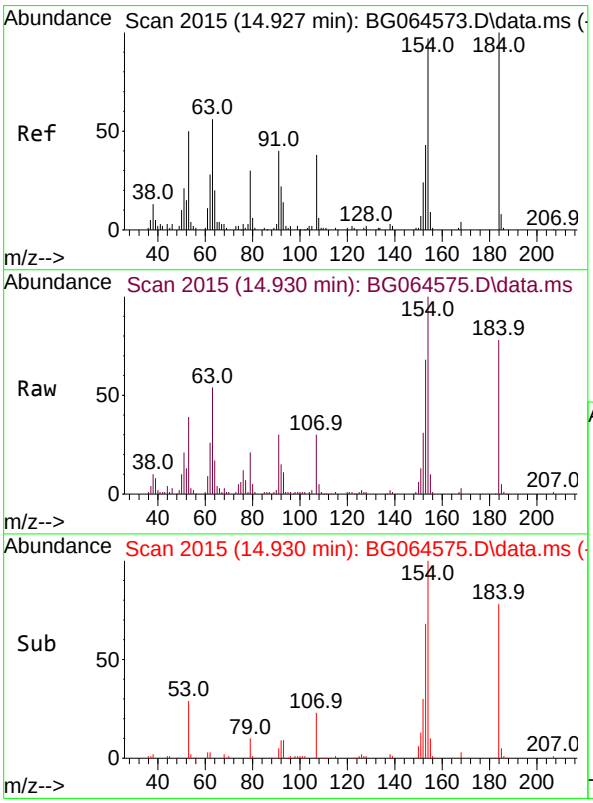
Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	122.9	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

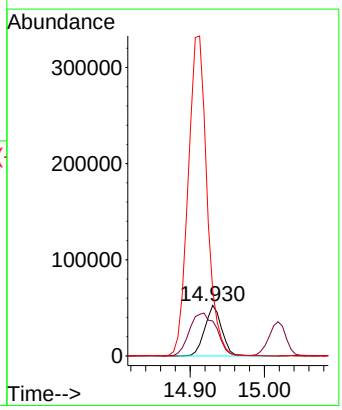
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

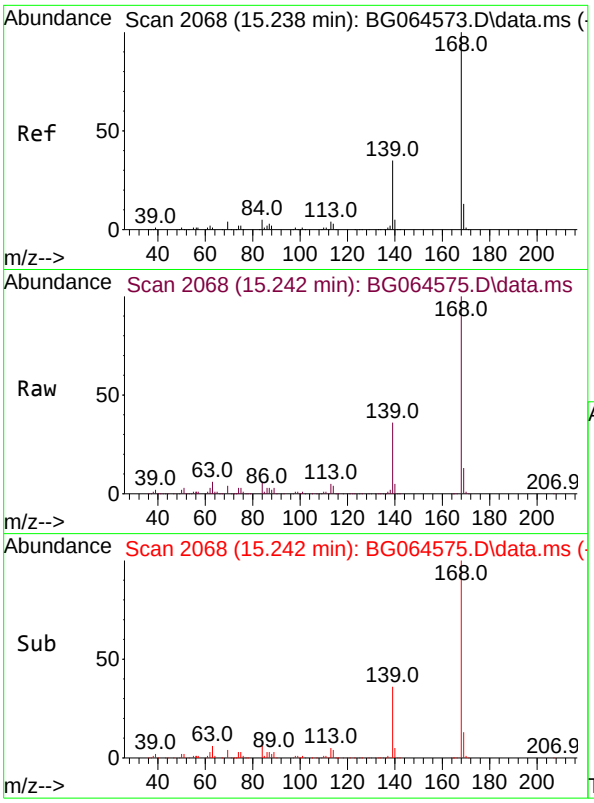


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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#

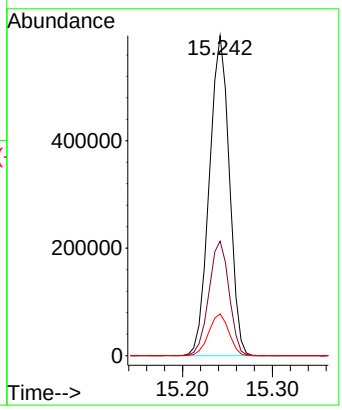




#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:168 Resp: 92338

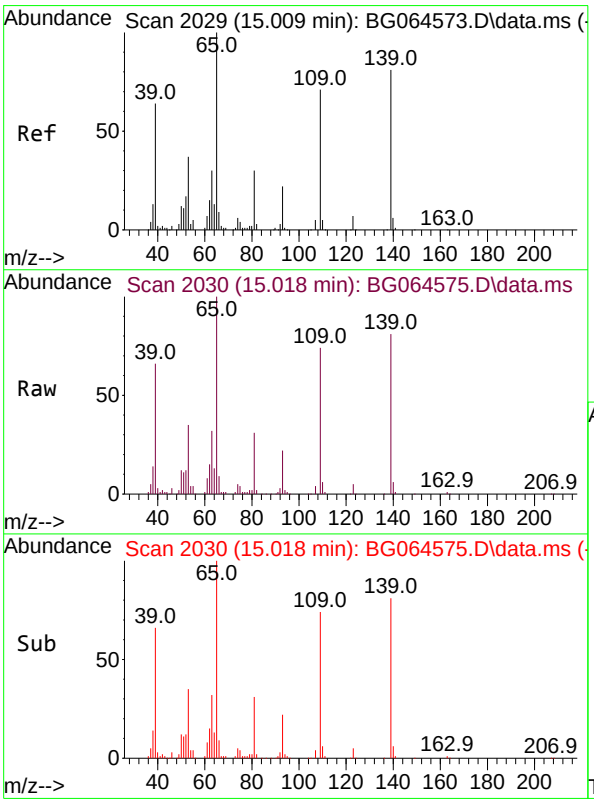
Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

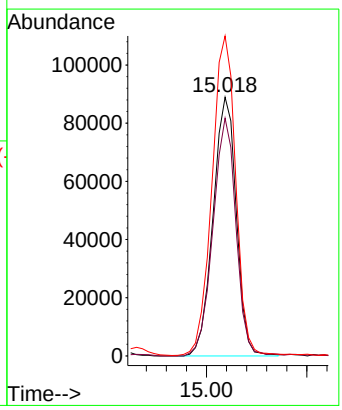
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

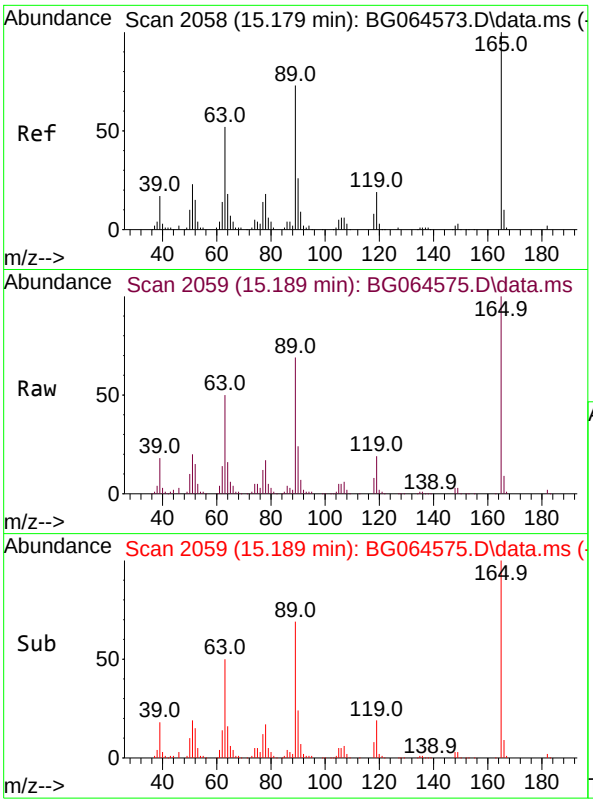


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

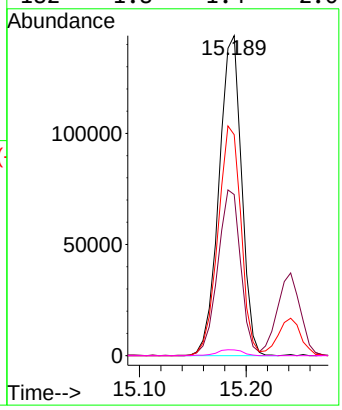




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2
Delta R.T. 0.010 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 21216

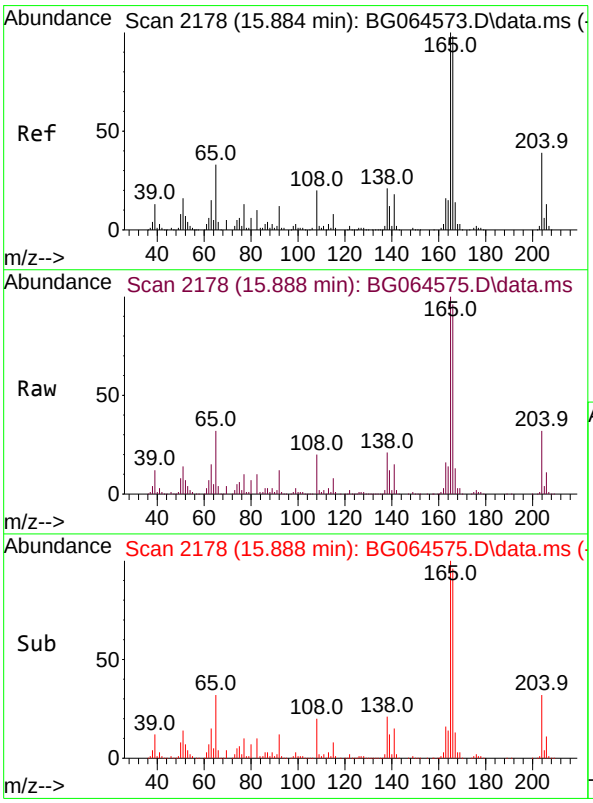
Ion	Ratio	Lower	Upper
165	100		
63	50.3	41.8	62.8
89	69.0	58.1	87.1
182	1.8	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

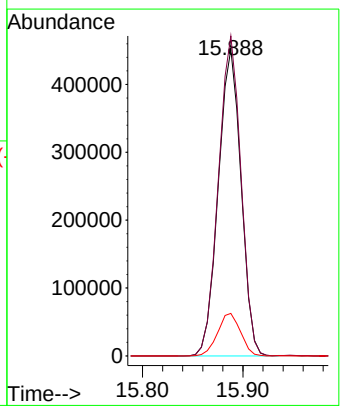
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

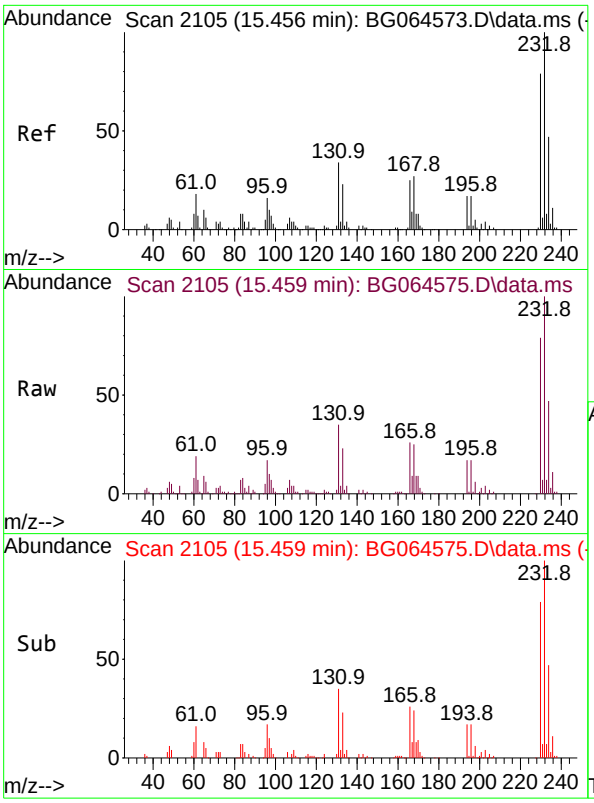


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

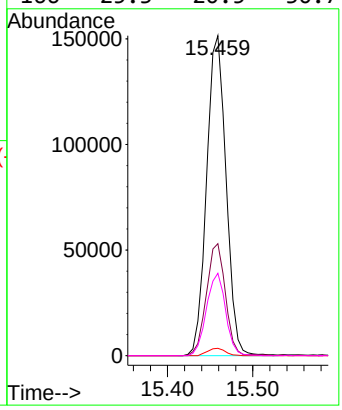




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:232 Resp: 240094

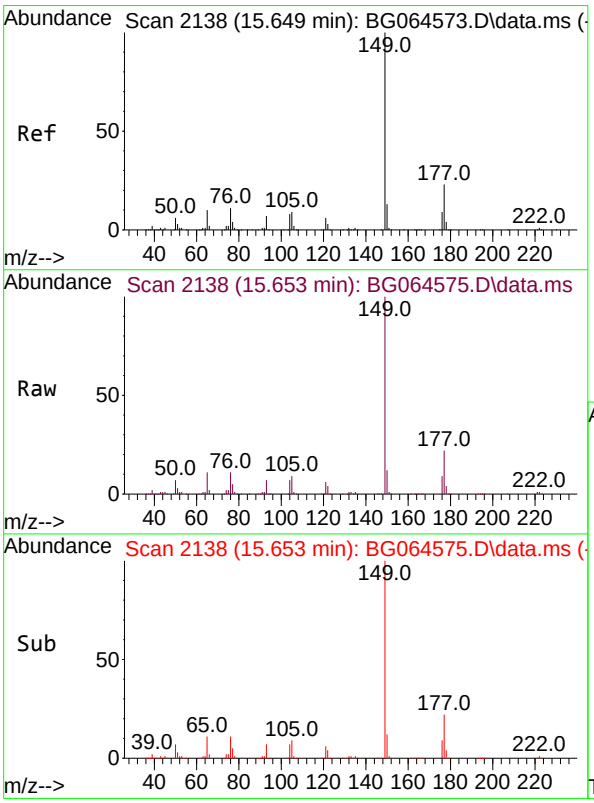
Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

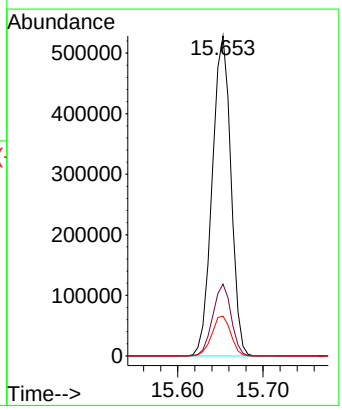
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

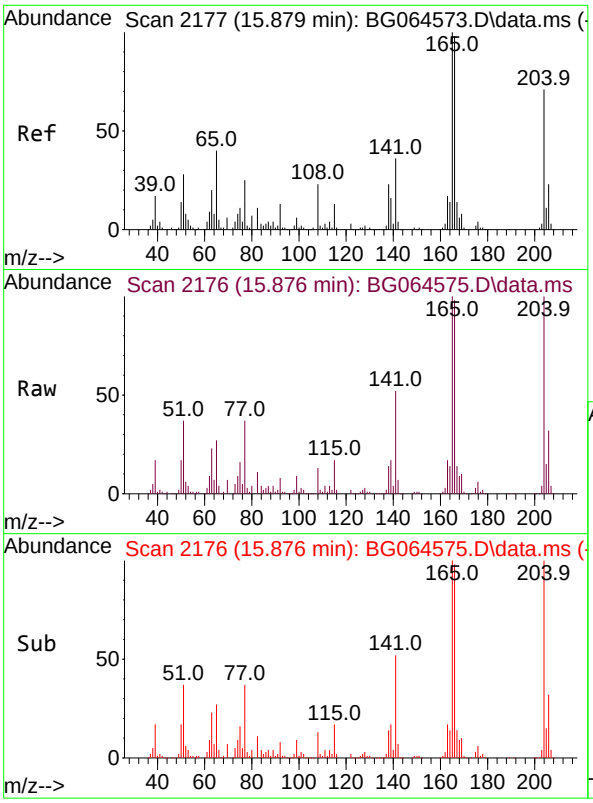


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

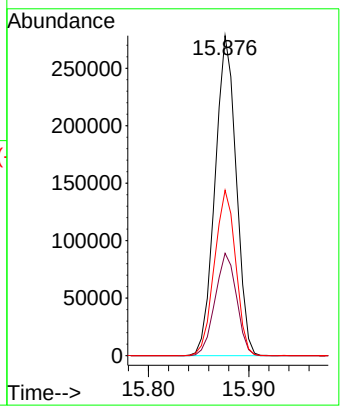




#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:204 Resp: 40823

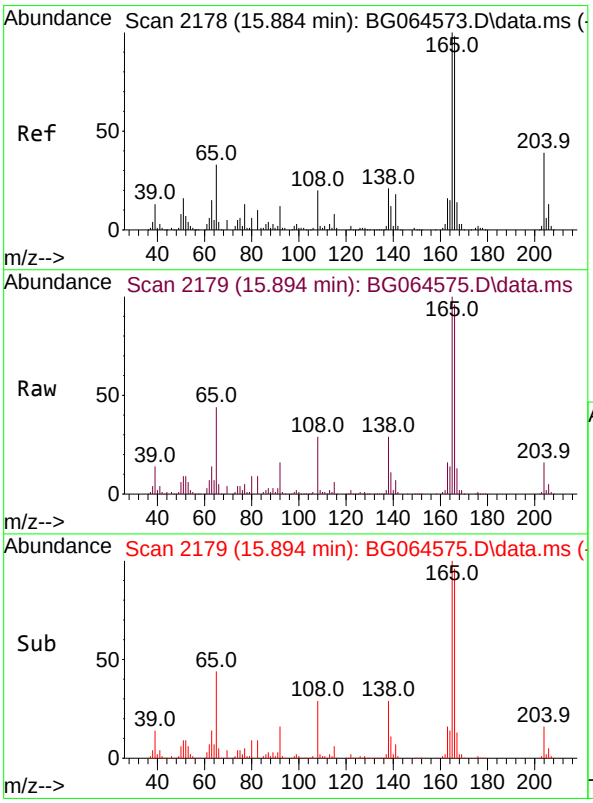
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

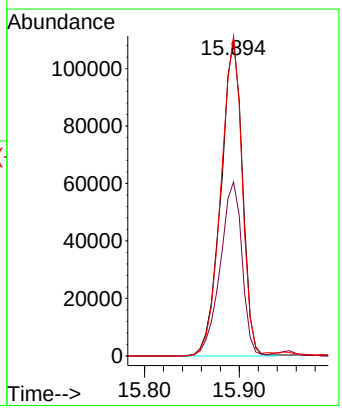
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

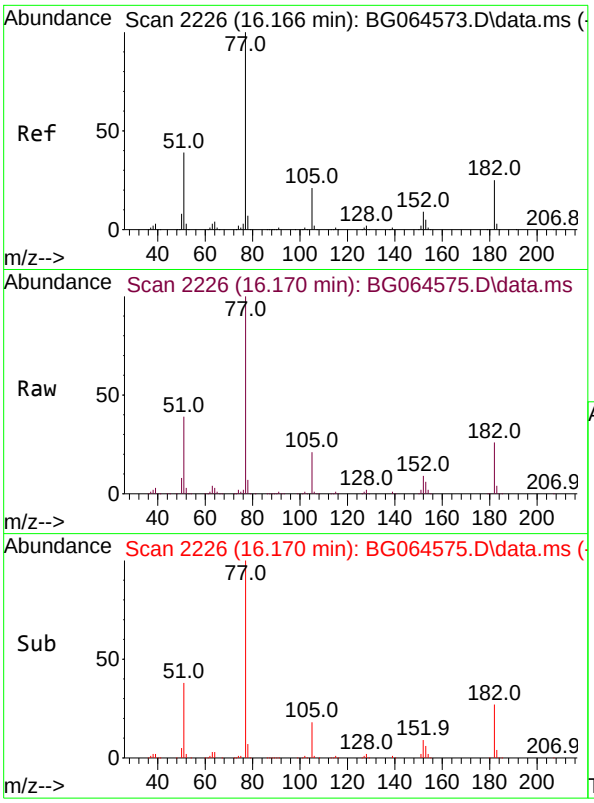


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

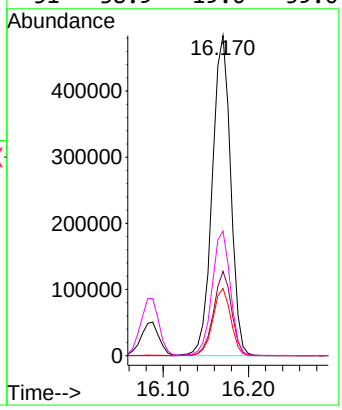




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 72398

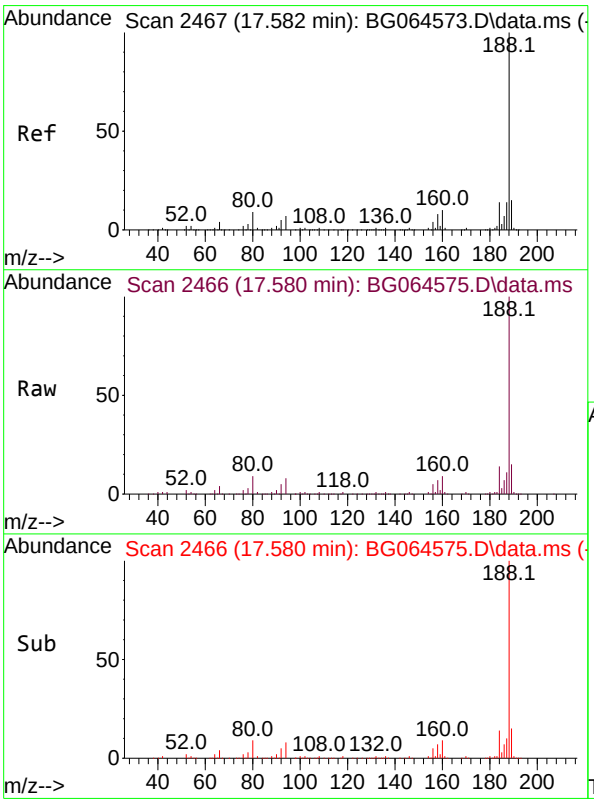
Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	21.0	1.3	41.3
51	38.9	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

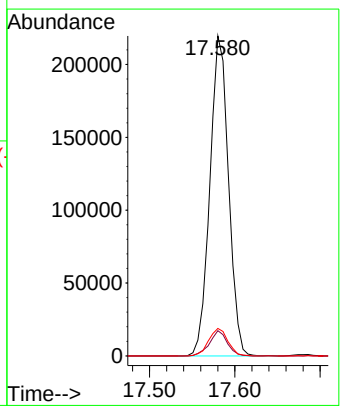
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

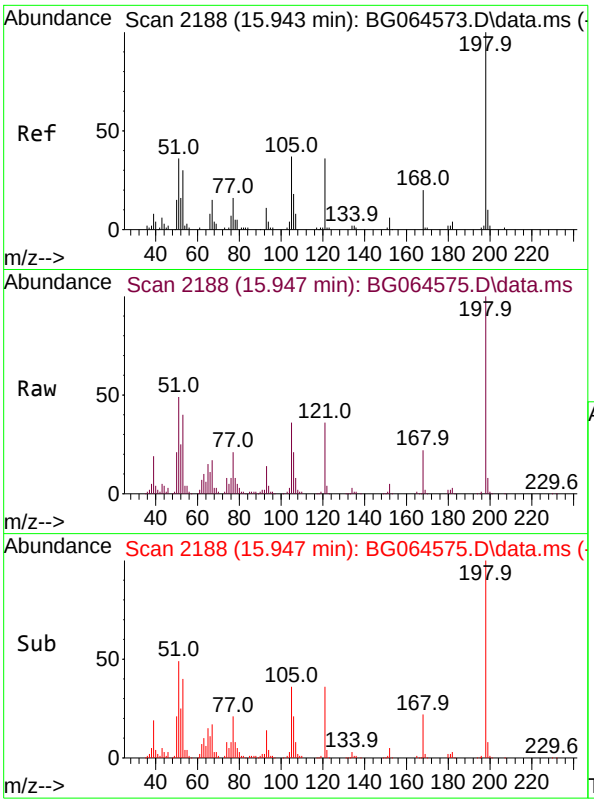


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

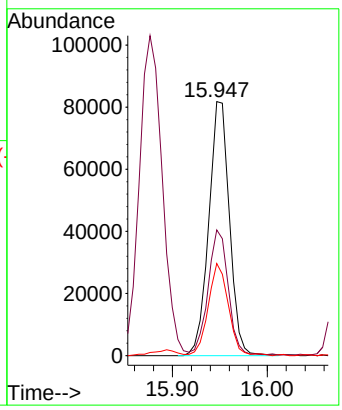




#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:198 Resp: 12410

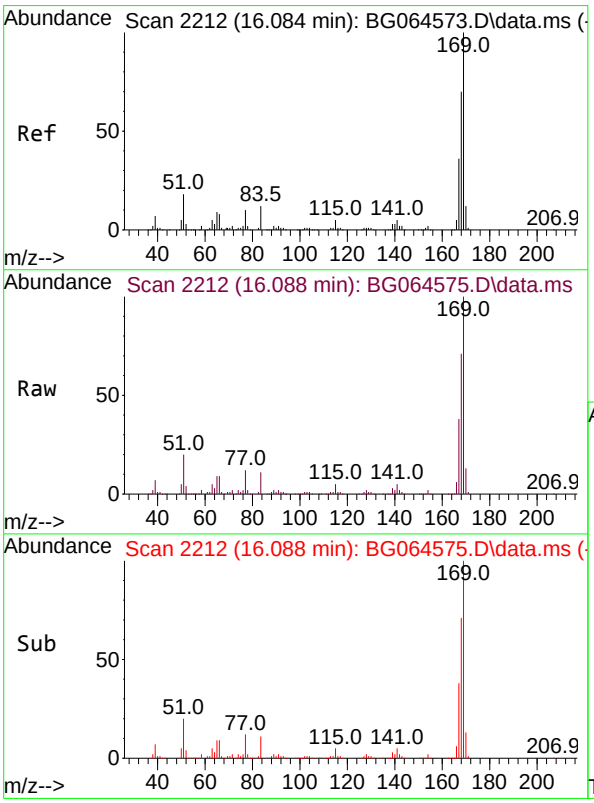
Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	36.3	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

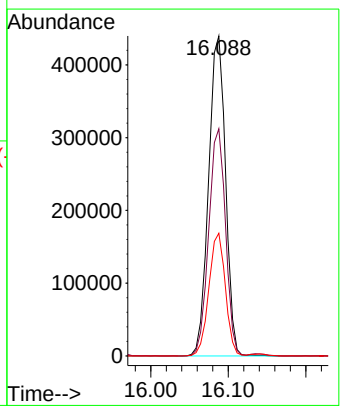
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

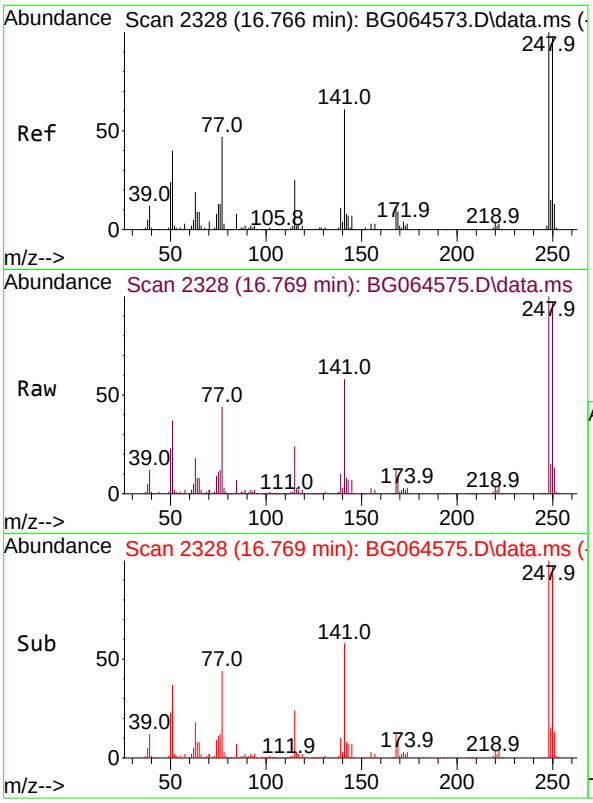


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

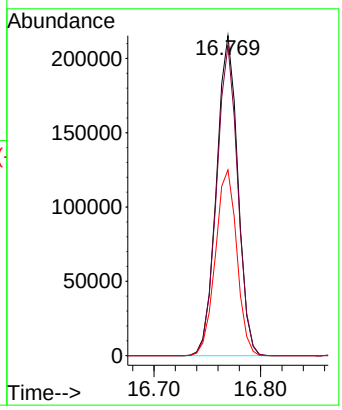




#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:248 Resp: 29934

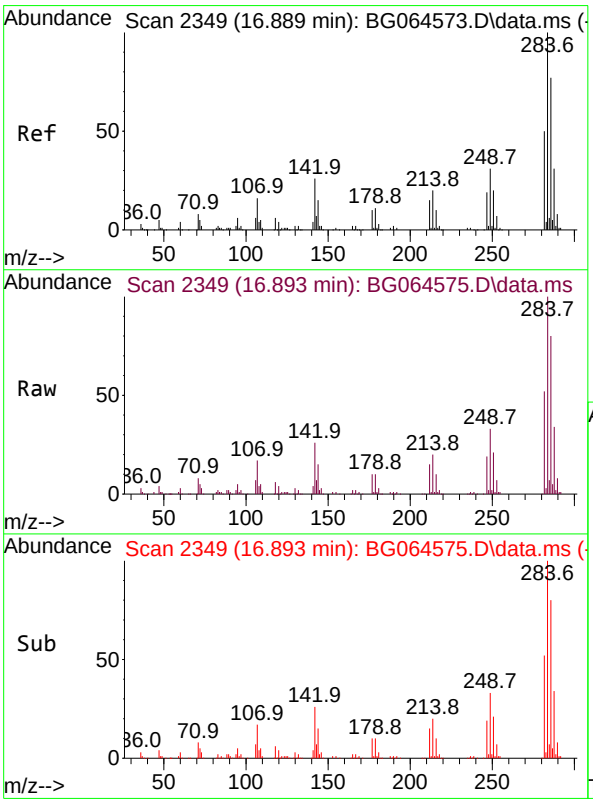
Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

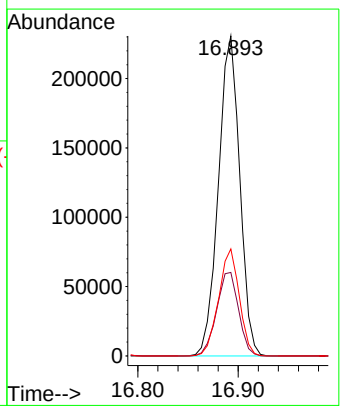
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

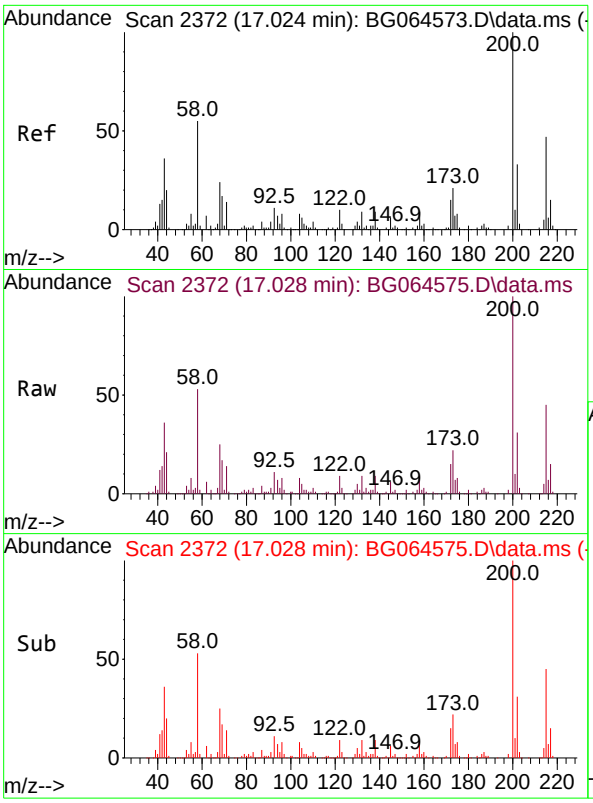


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

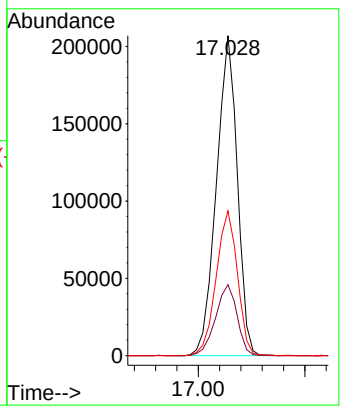




#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:200 Resp: 28195

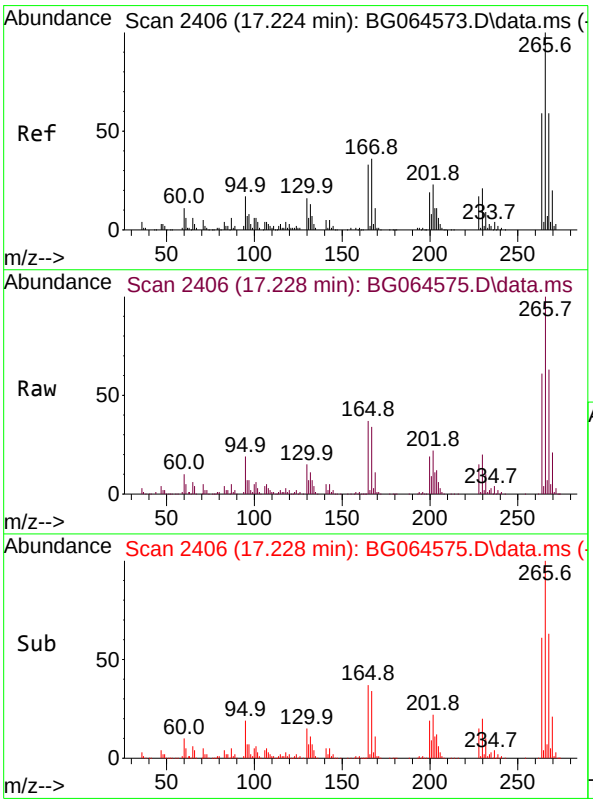
Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	45.2	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

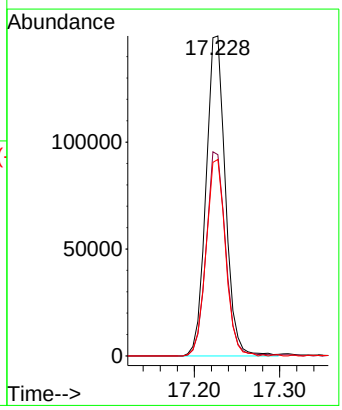
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

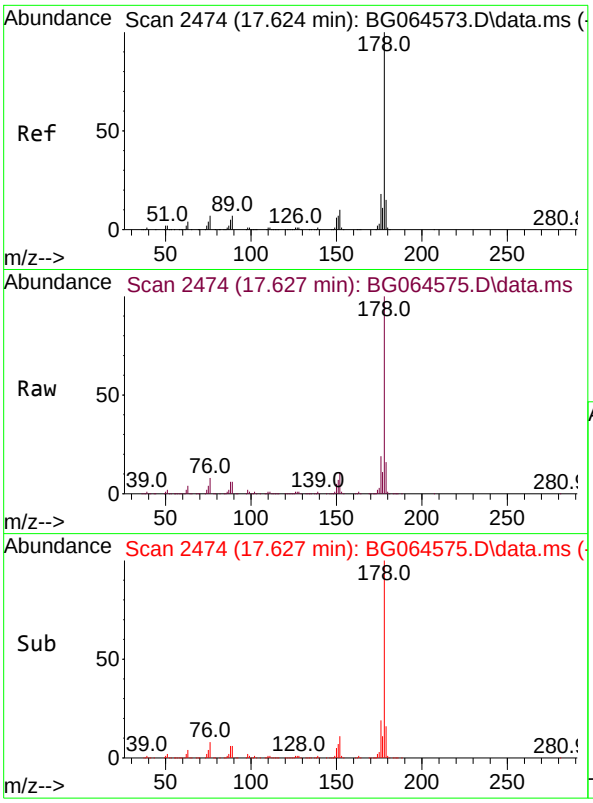


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

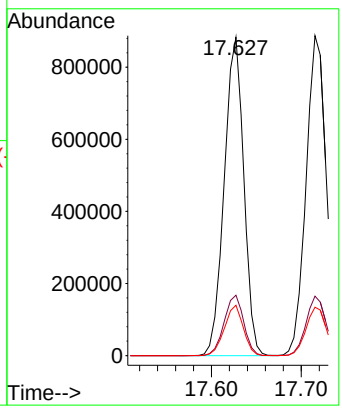




#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 134061

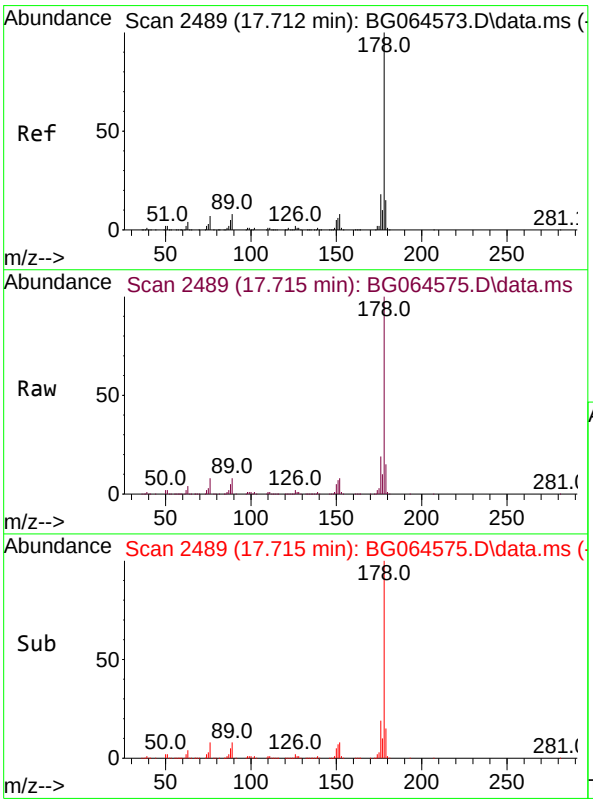
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

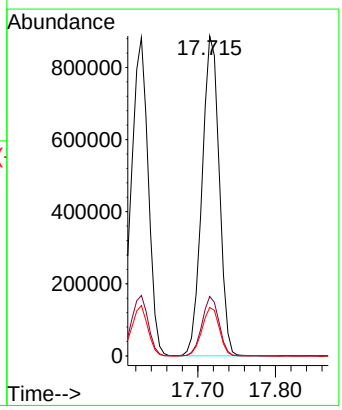
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

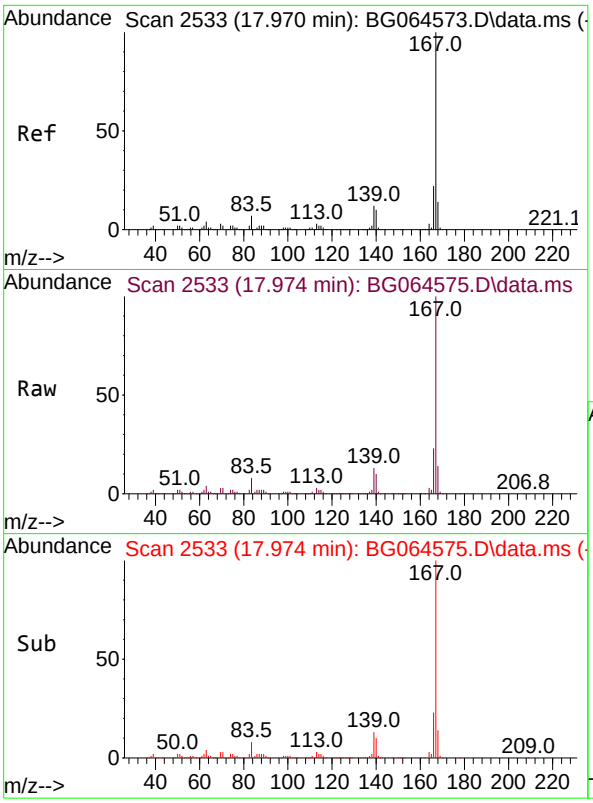


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

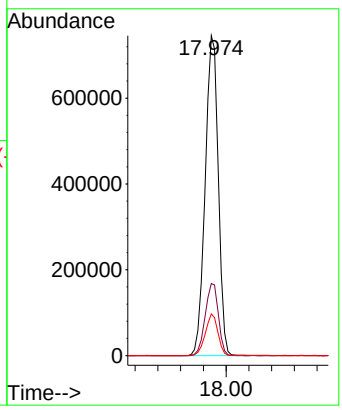




#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:167 Resp: 119596

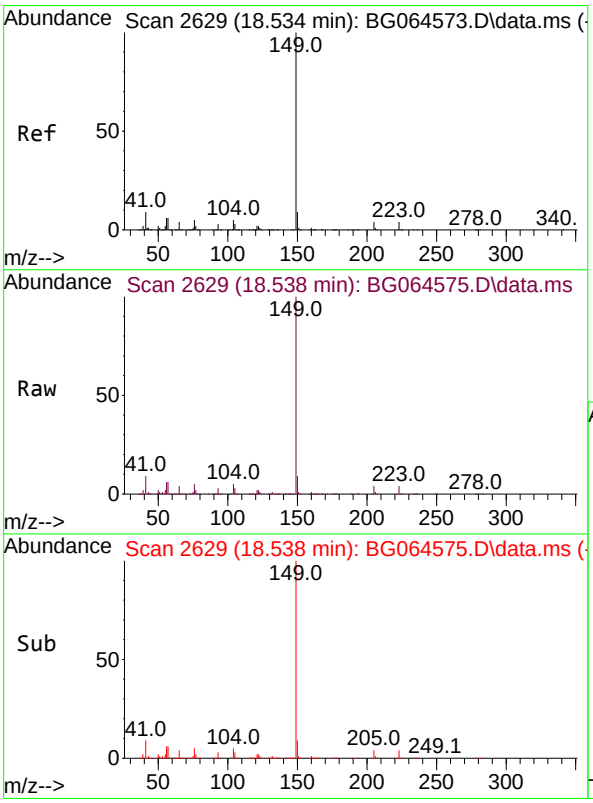
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

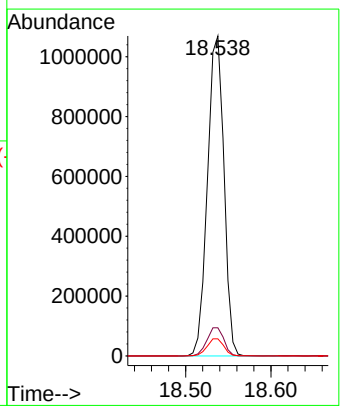
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

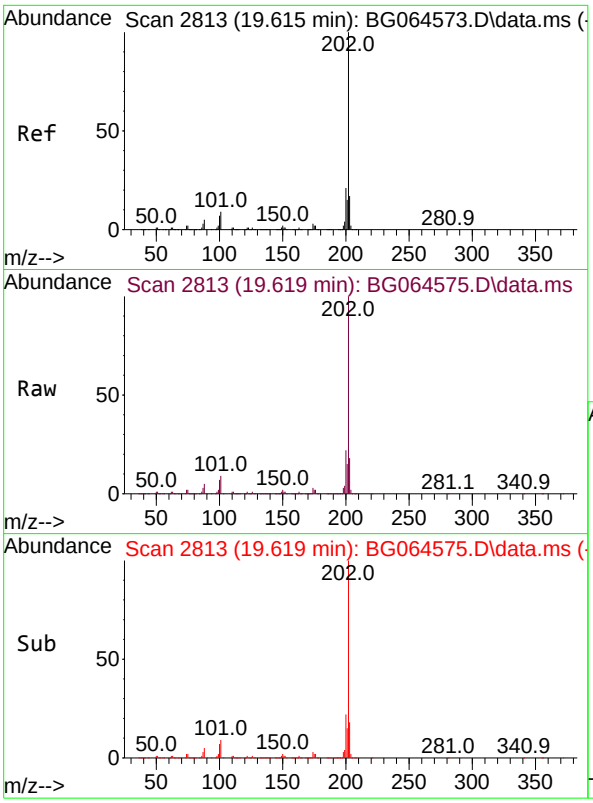


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

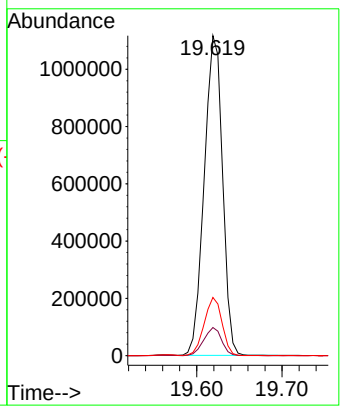




#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 166367

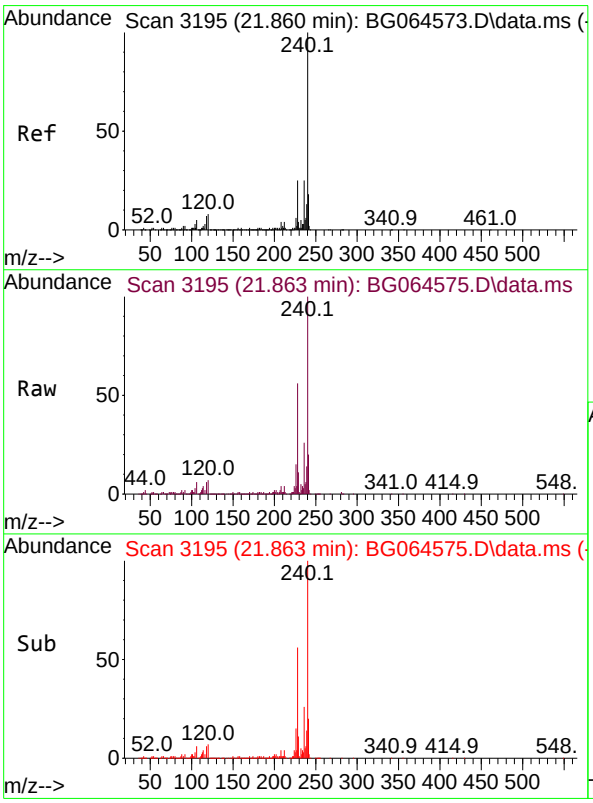
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	18.2	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

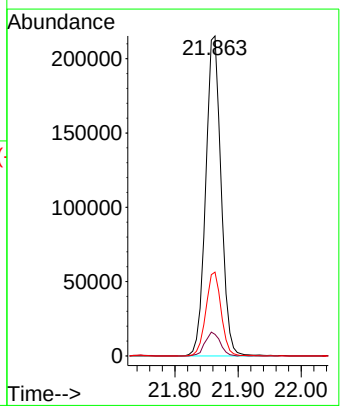
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

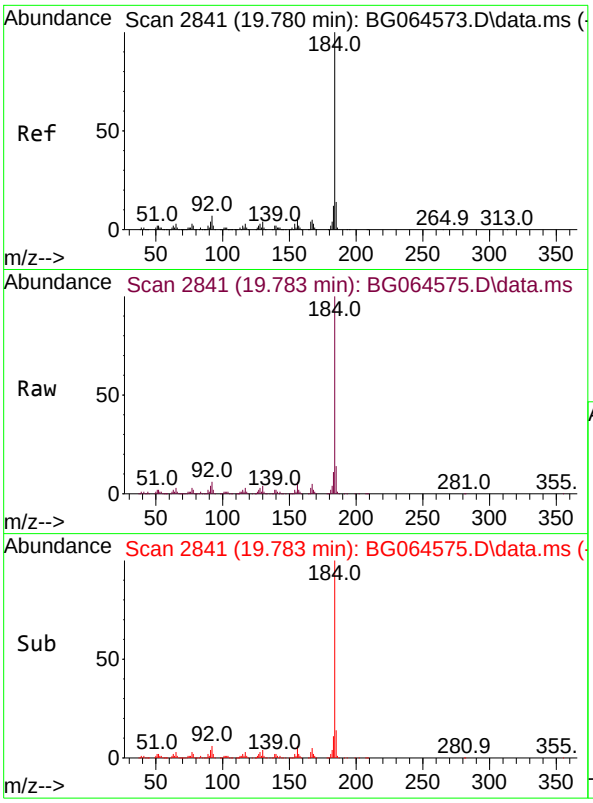


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

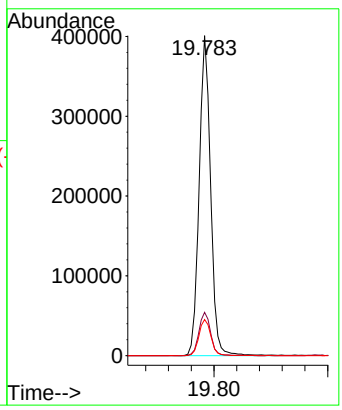




#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 55652

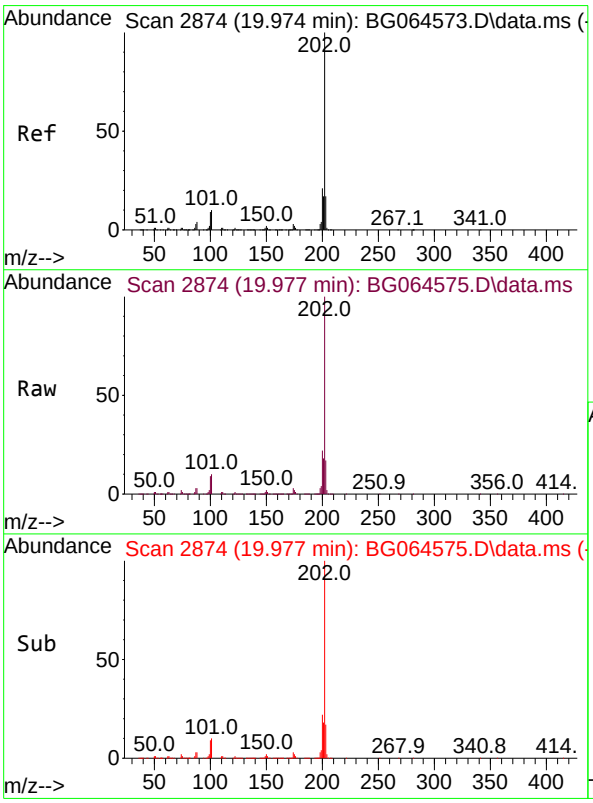
Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	11.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

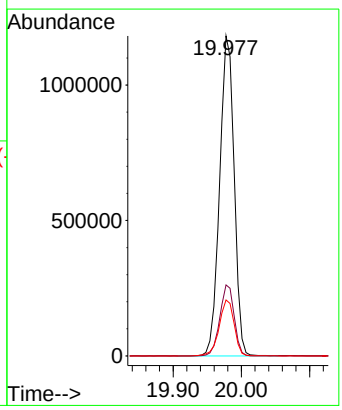
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

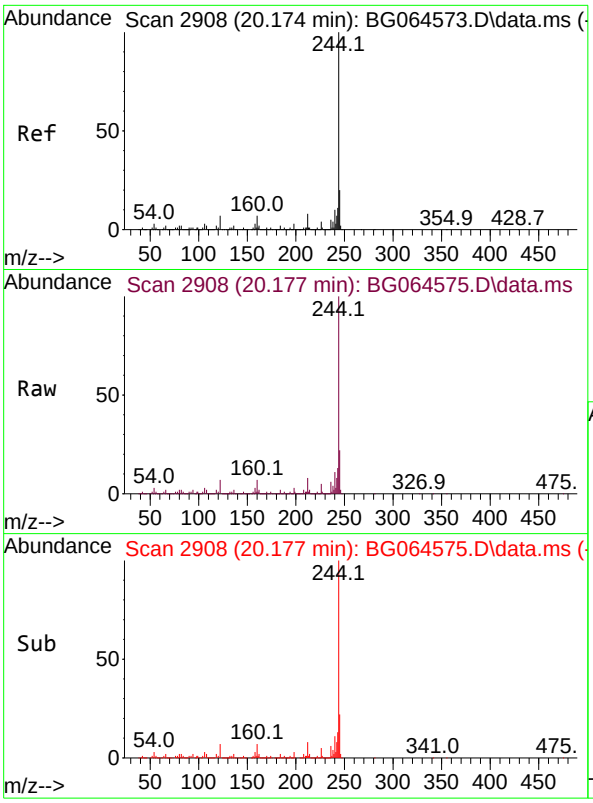


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

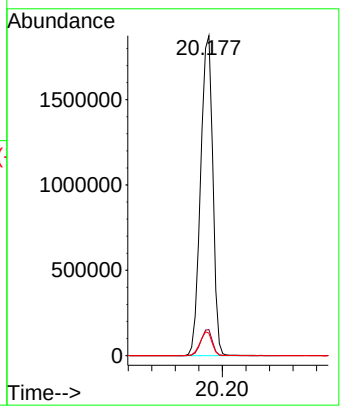




#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 29
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:244 Resp: 269749

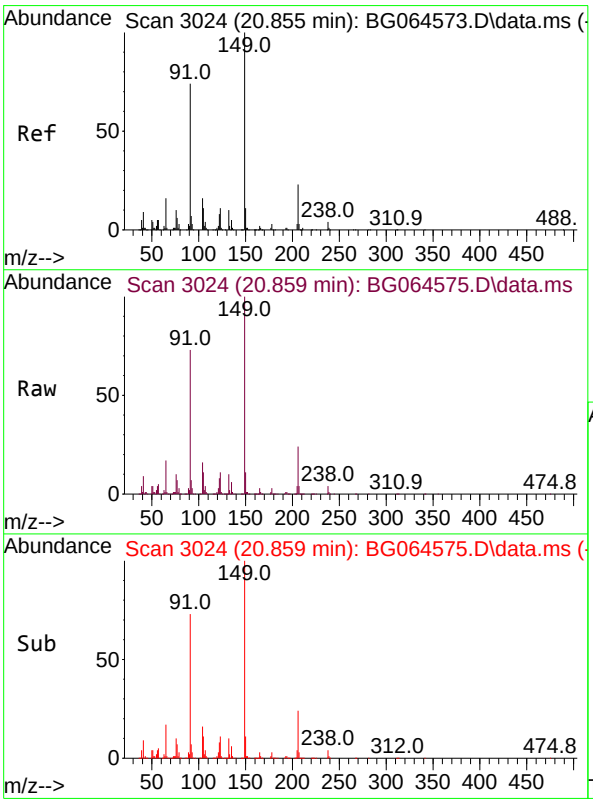
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

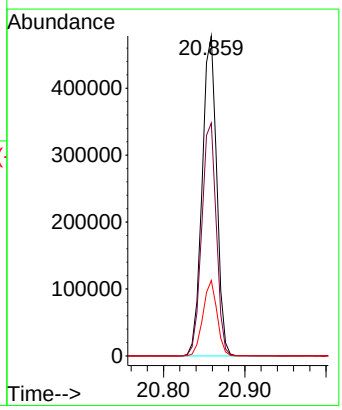
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

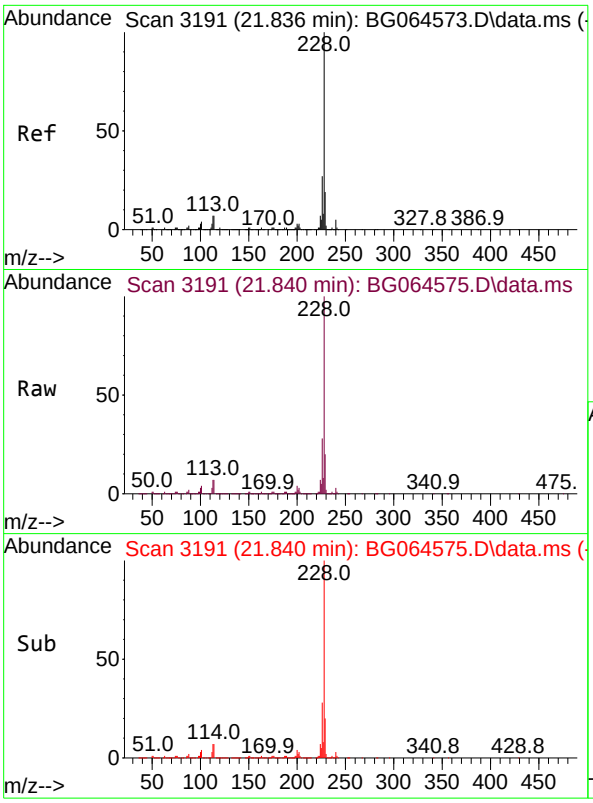


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

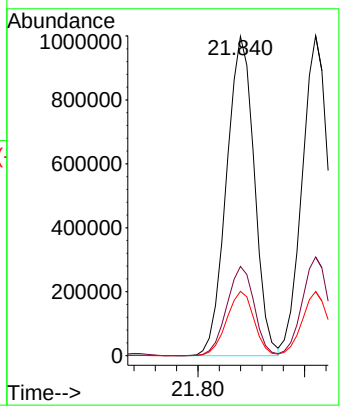




#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 180562

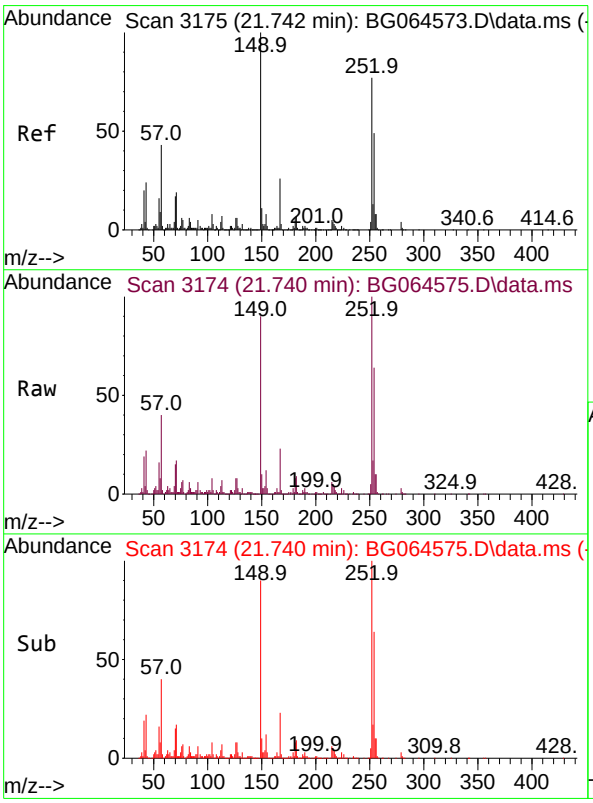
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

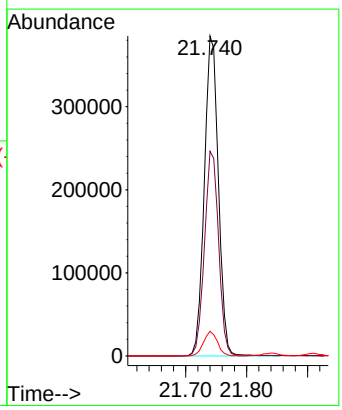
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

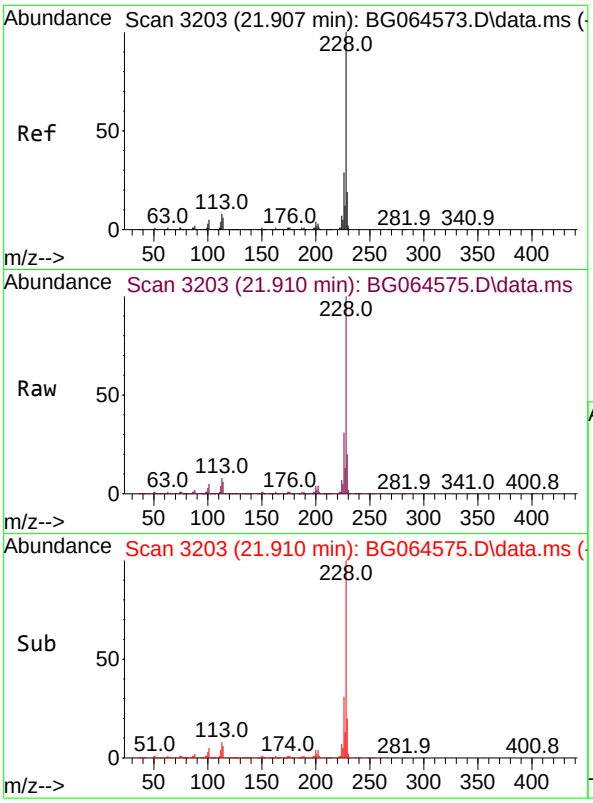


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

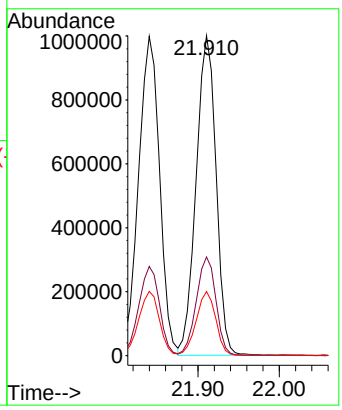




#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 170453

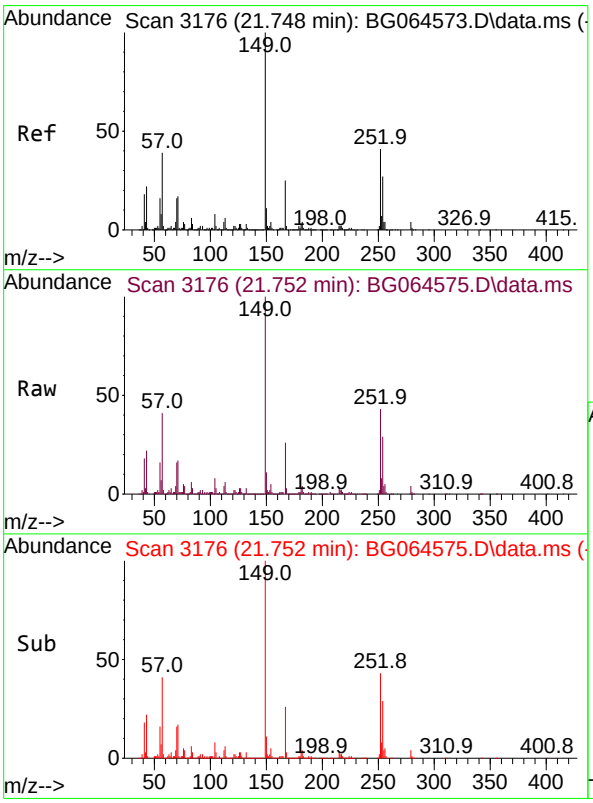
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	20.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

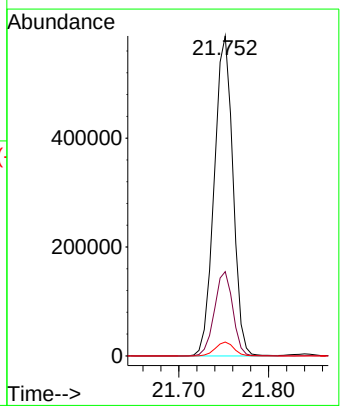
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

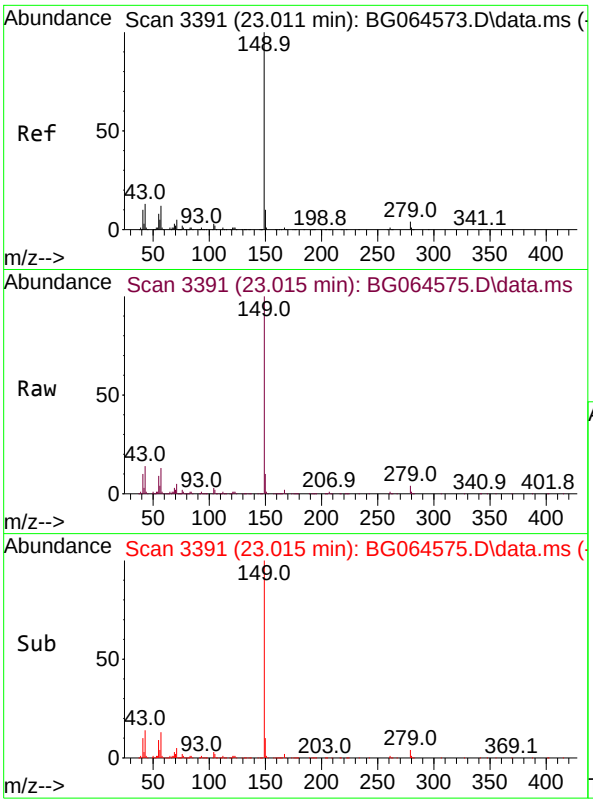


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

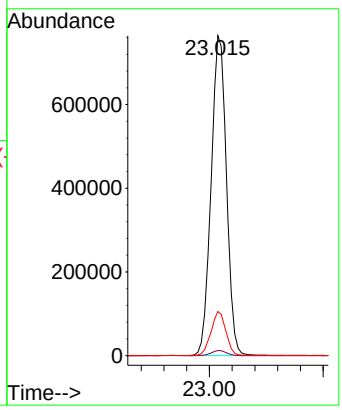
Tgt Ion:149 Resp: 143295

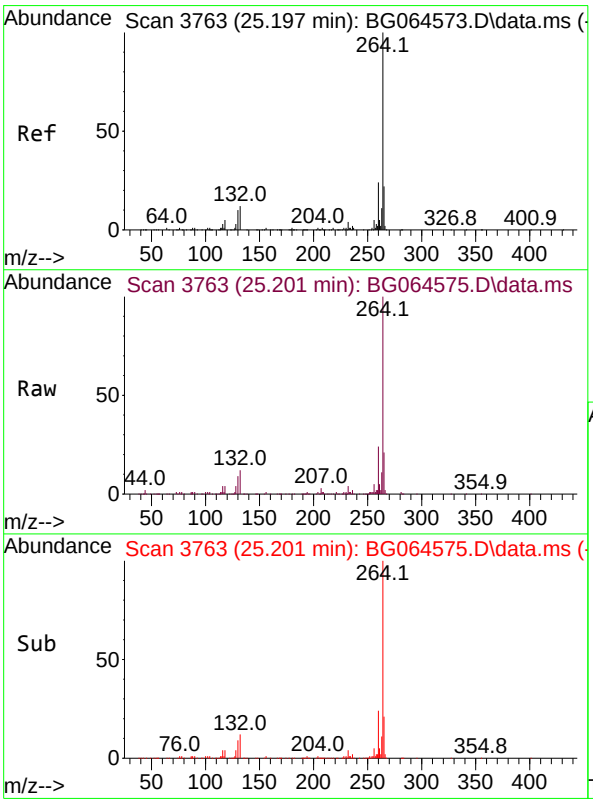
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

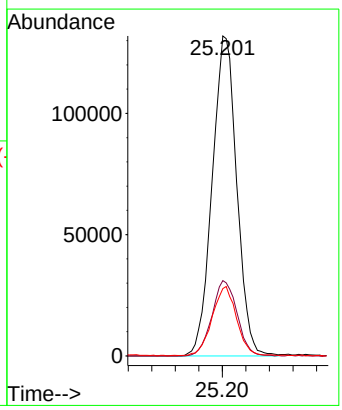


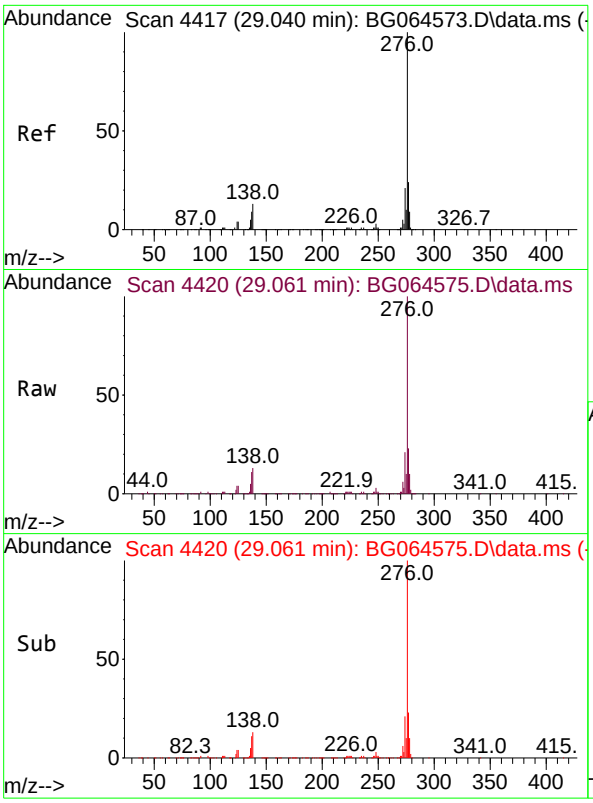


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

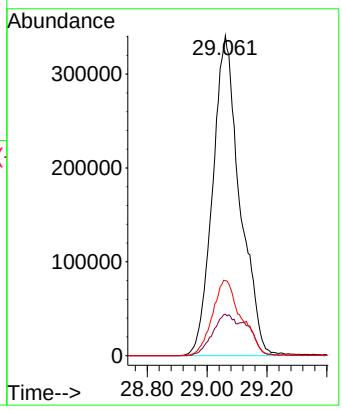




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.021 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 215642

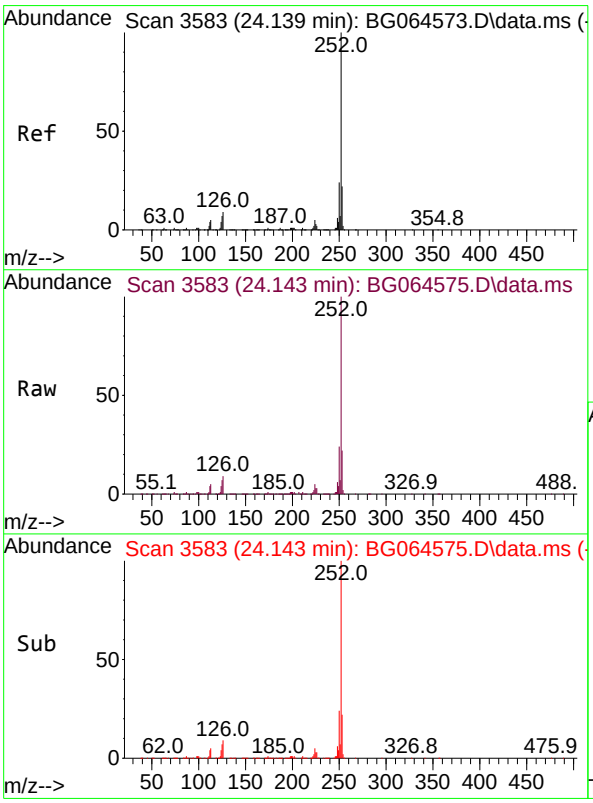
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

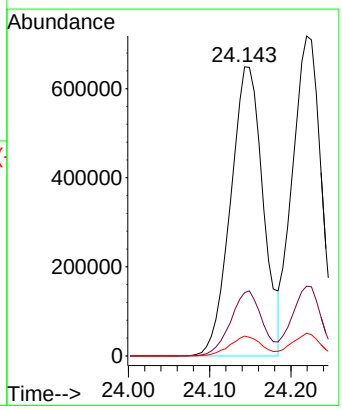
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

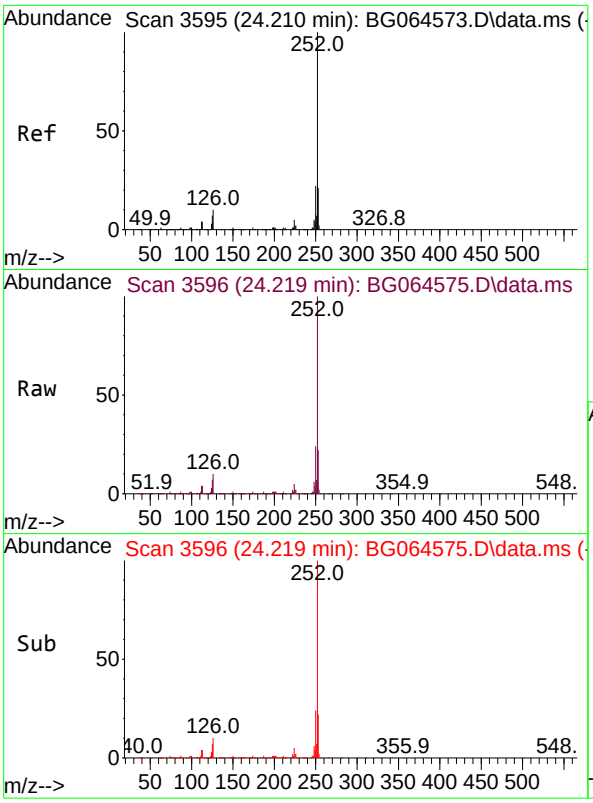


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

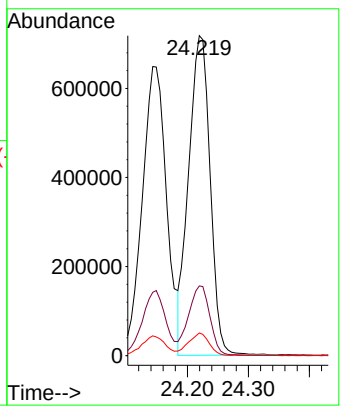




#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

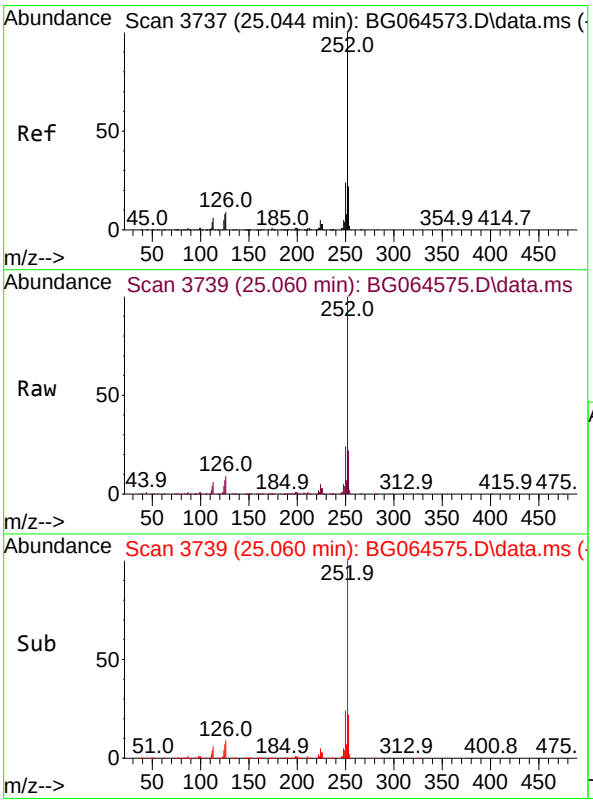
Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

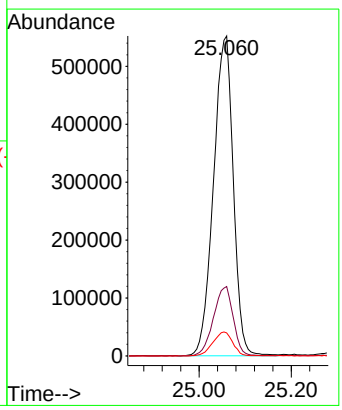
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

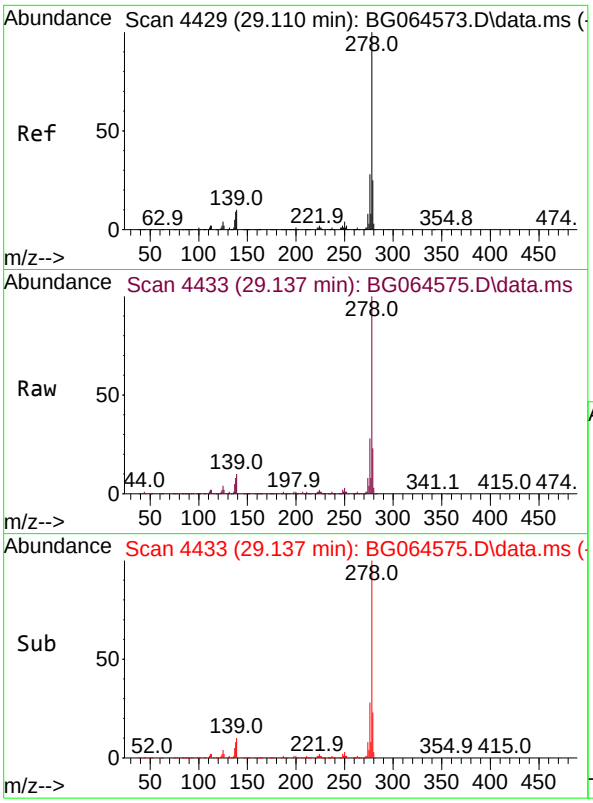


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.015 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

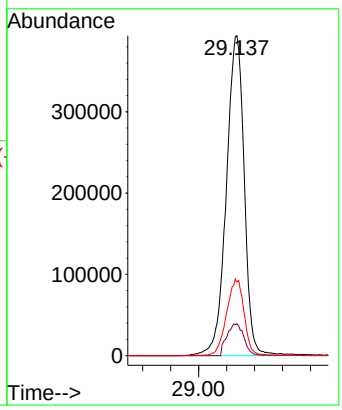




#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:278 Resp: 174789

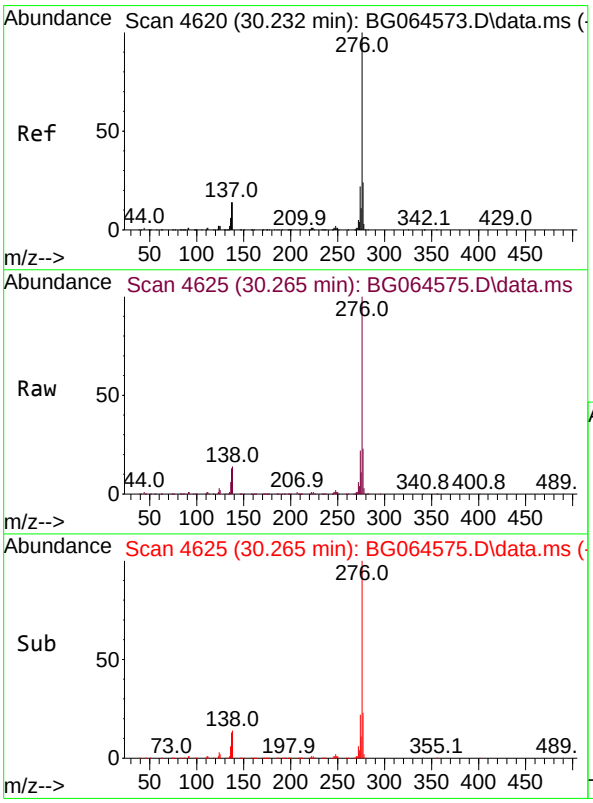
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

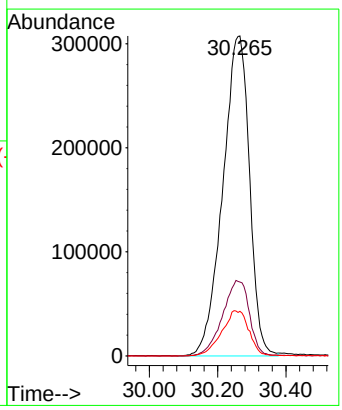
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#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



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

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

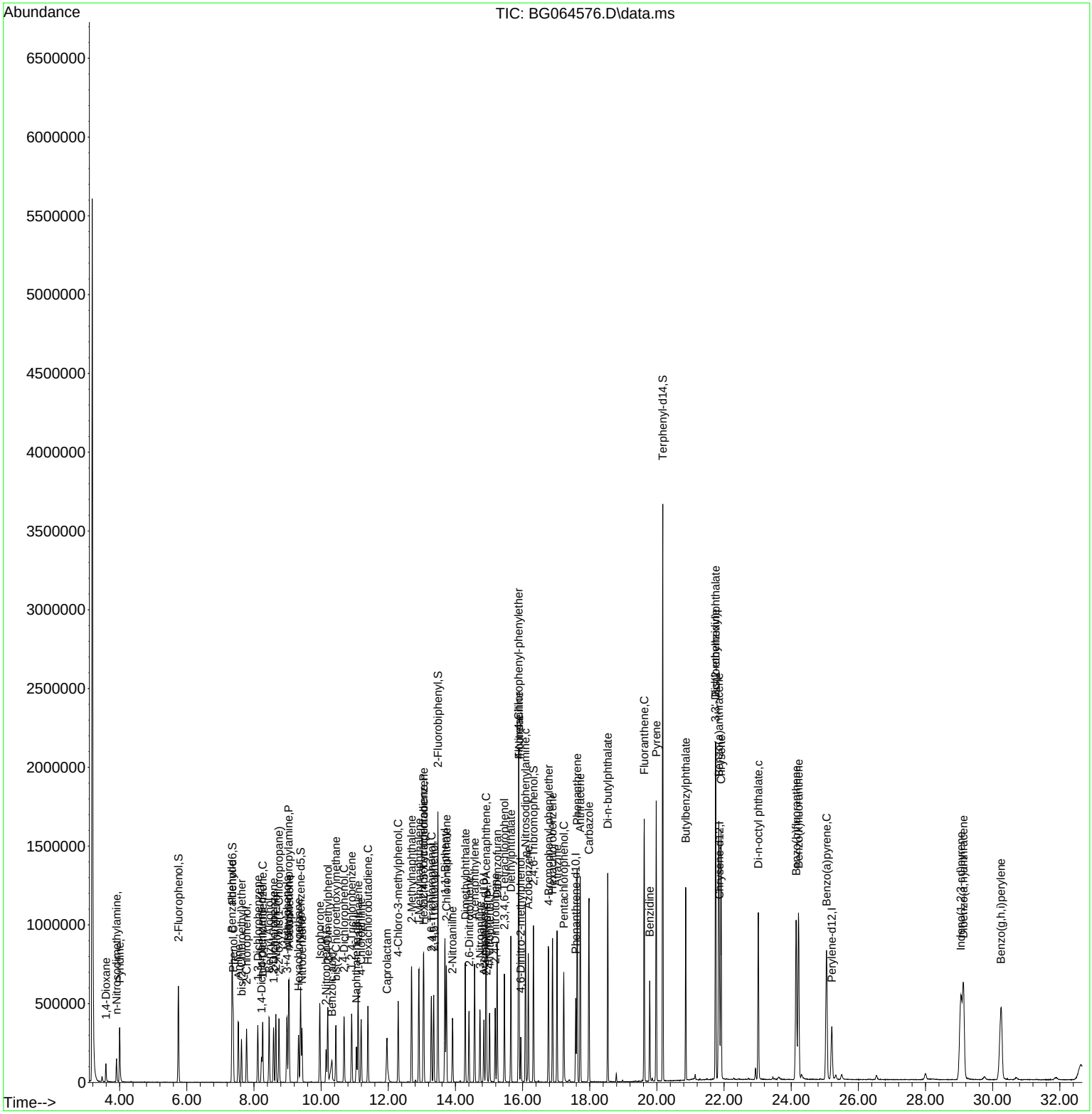
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

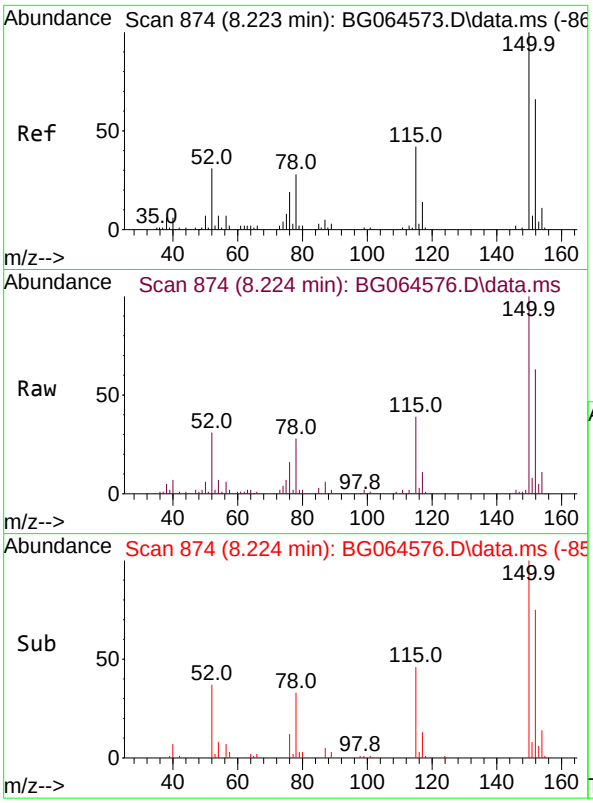
Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

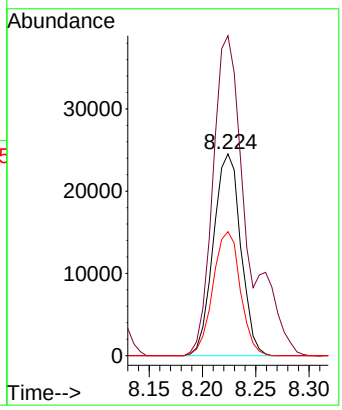




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 4377

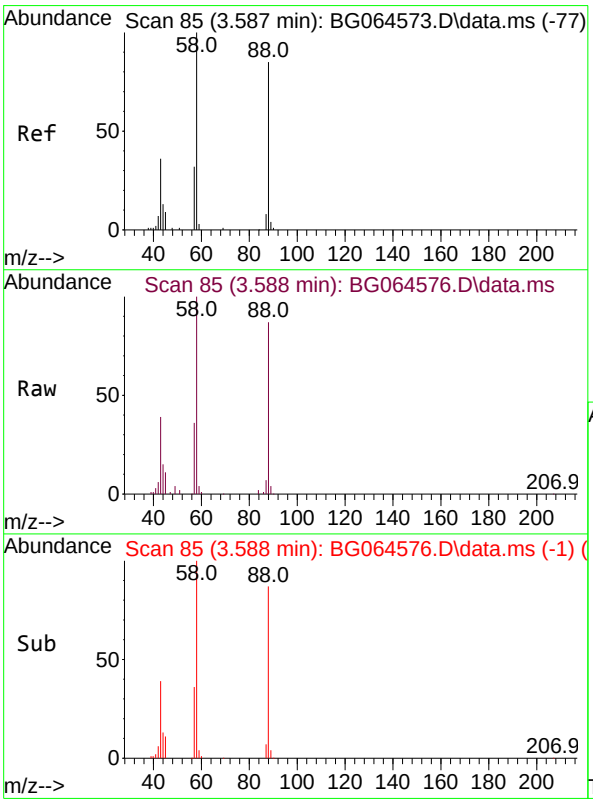
Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

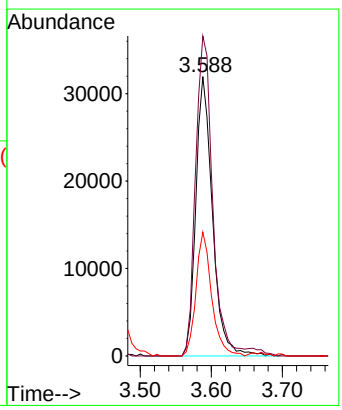
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

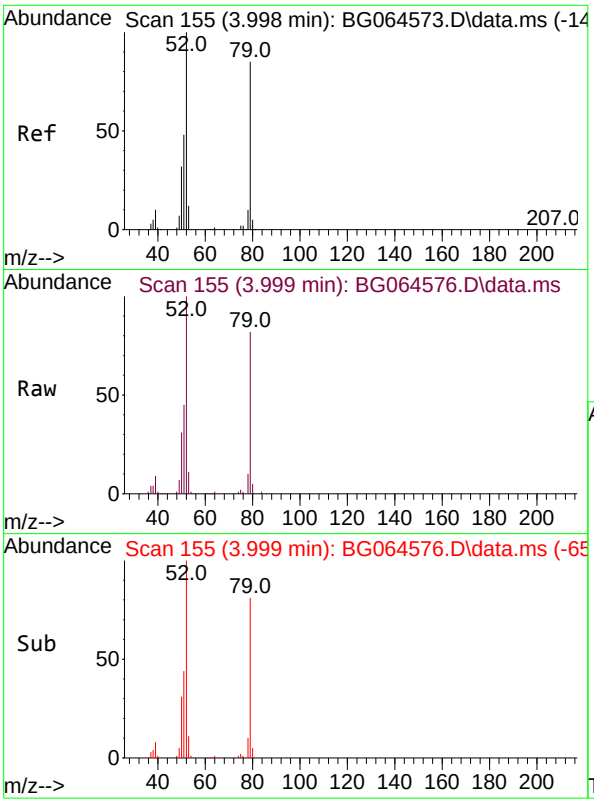


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

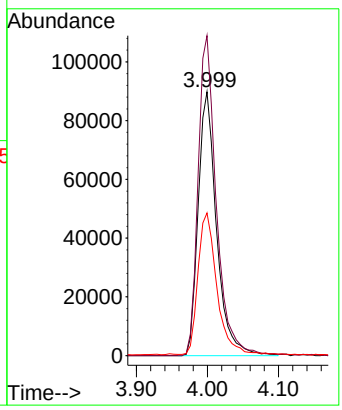




#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 16100

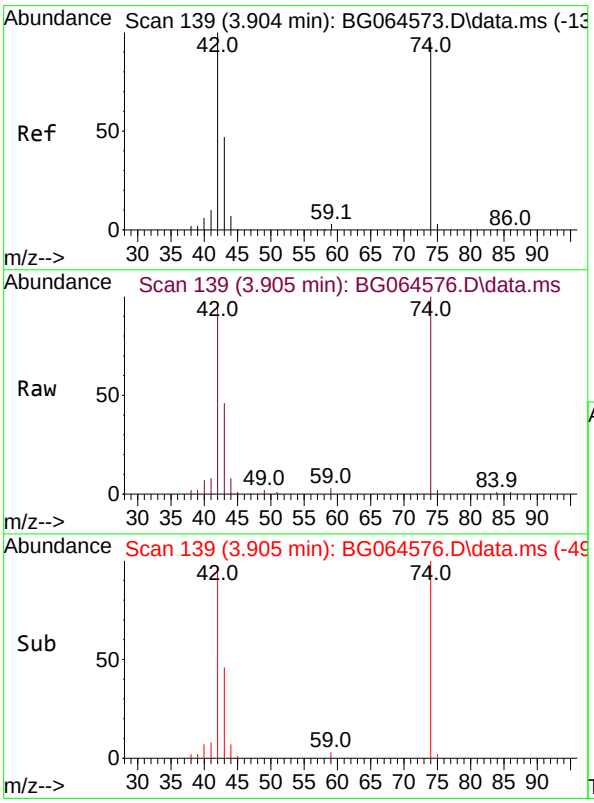
Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

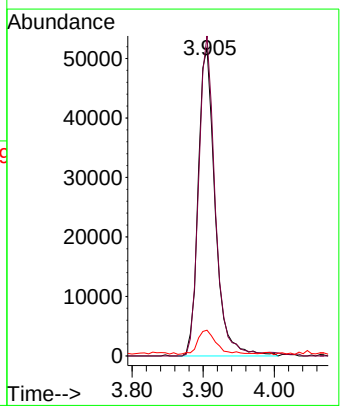
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

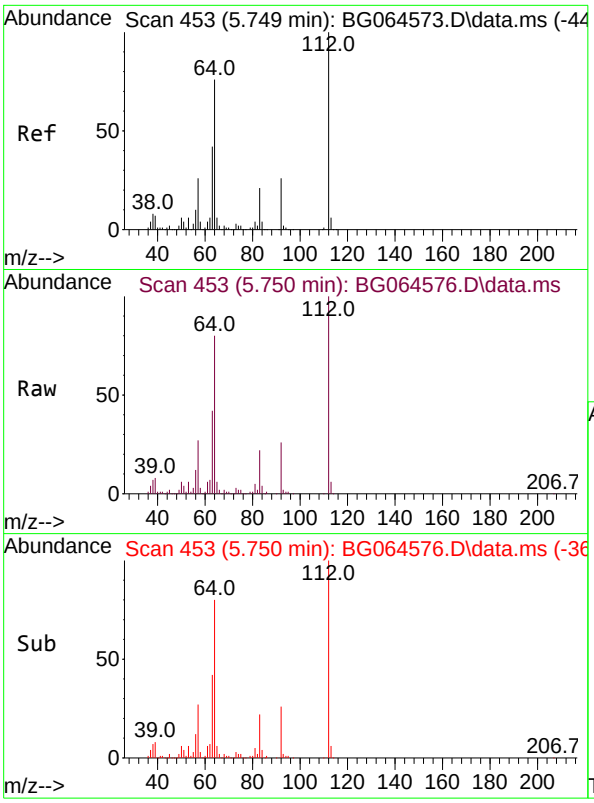


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

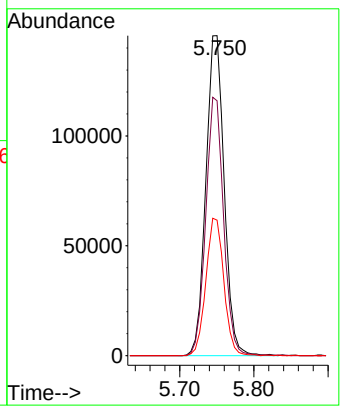




#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:112 Resp: 24933

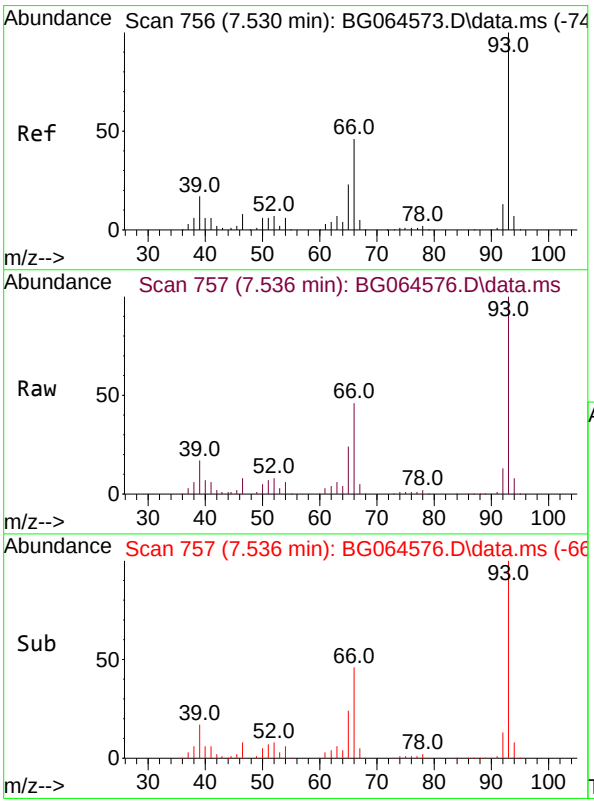
Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

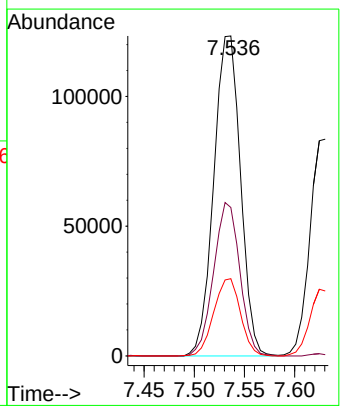
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

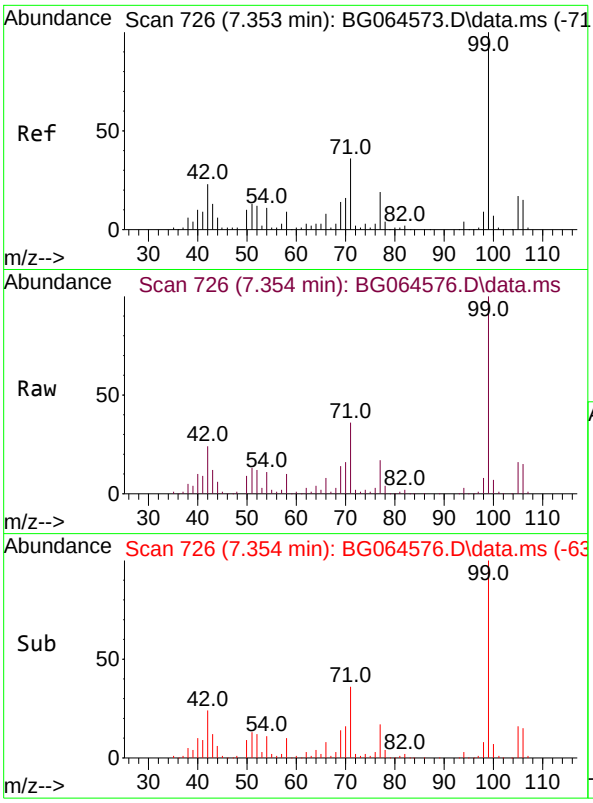


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

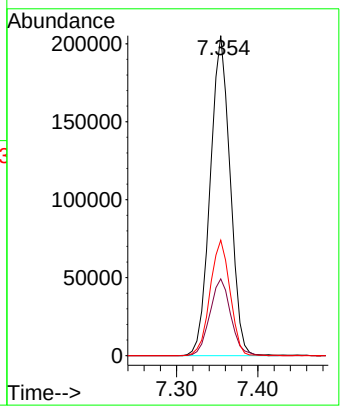




#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 99 Resp: 34958

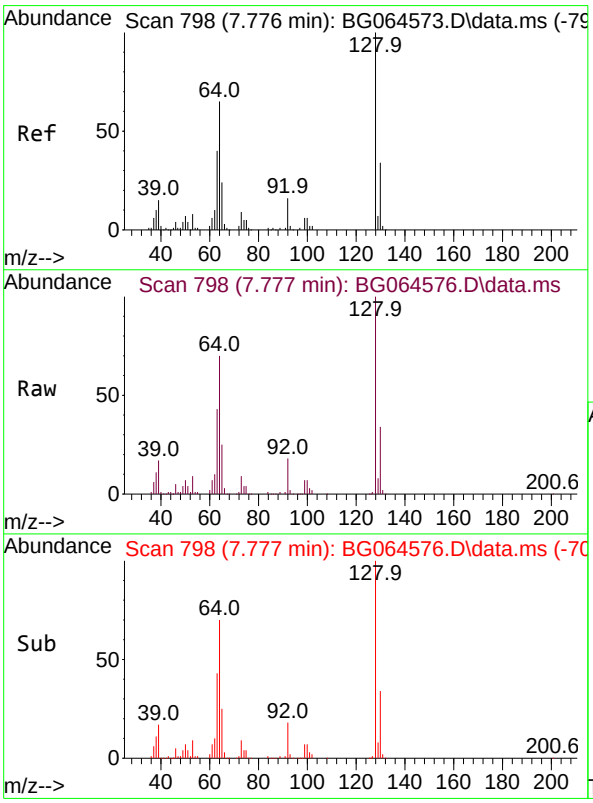
Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	36.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

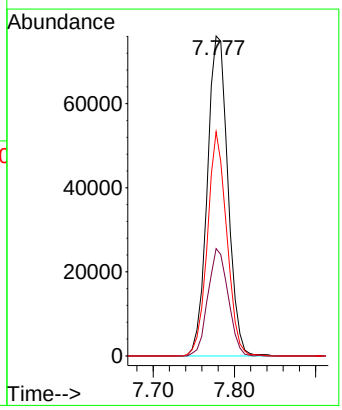
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

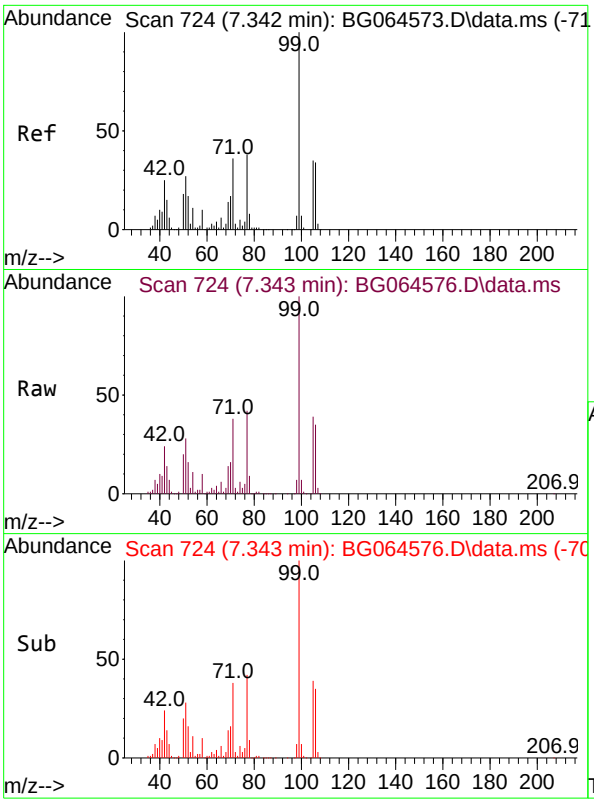


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

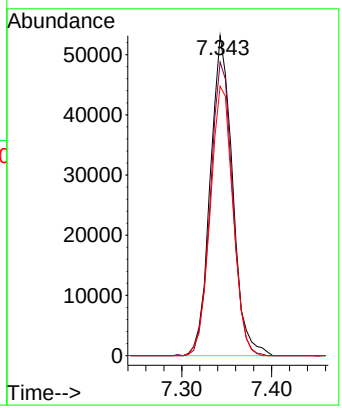




#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 9145

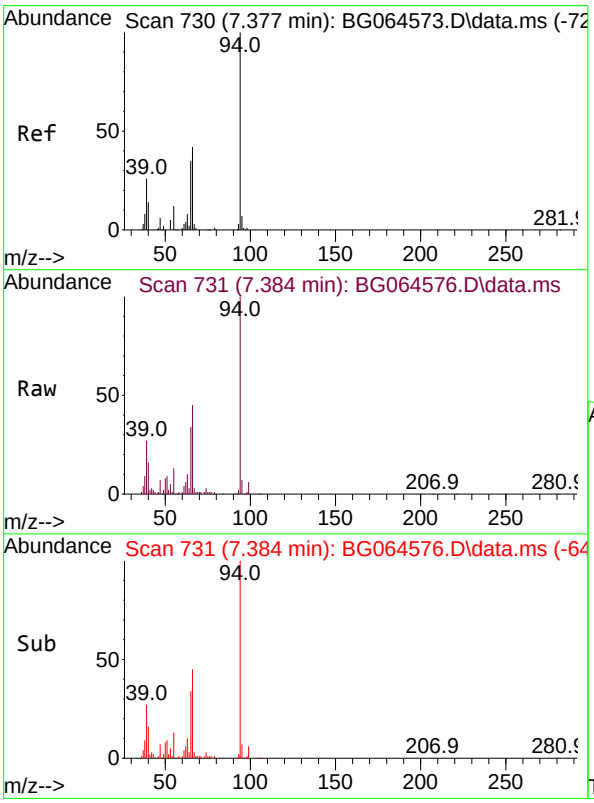
Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

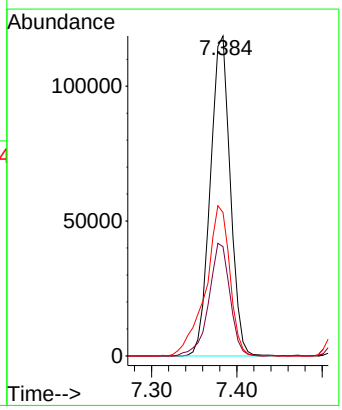
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

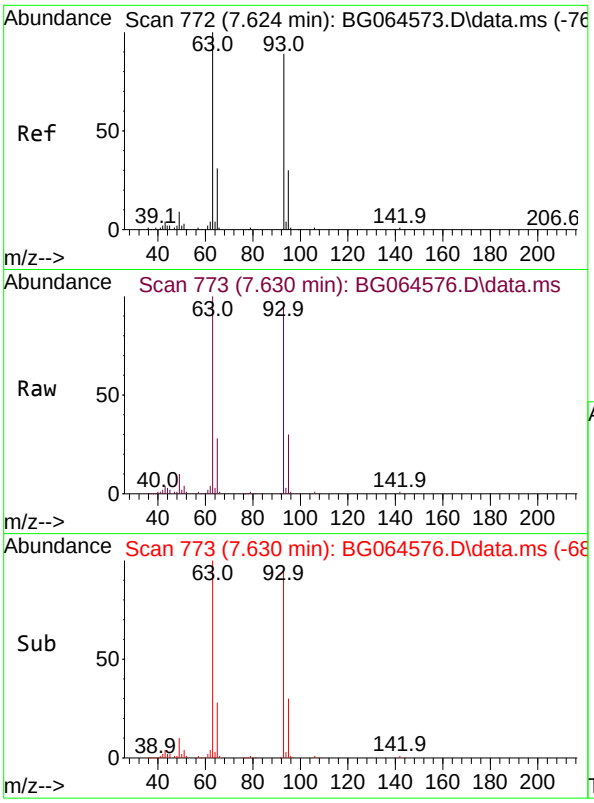


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

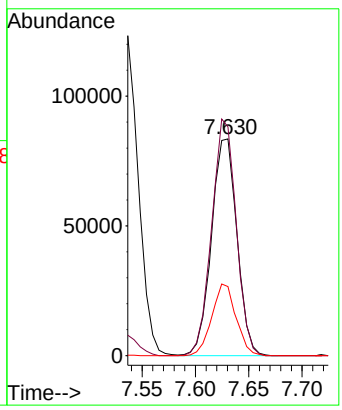




#11
bis(2-Chloroethyl)ether
Concen: 47.894 ng
RT: 7.630 min Scan# 7
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 13936

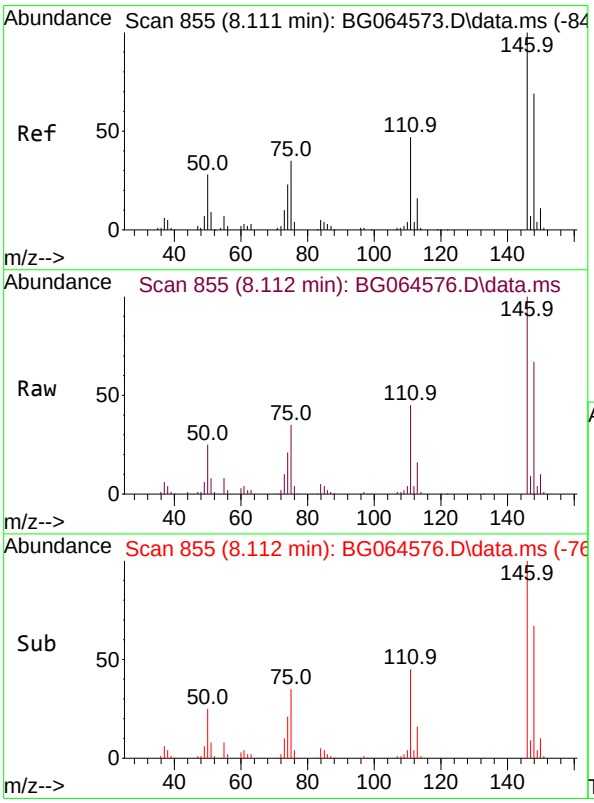
Ion	Ratio	Lower	Upper
93	100		
63	105.5	91.3	131.3
95	31.8	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

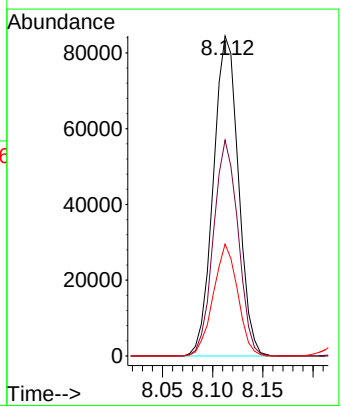
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

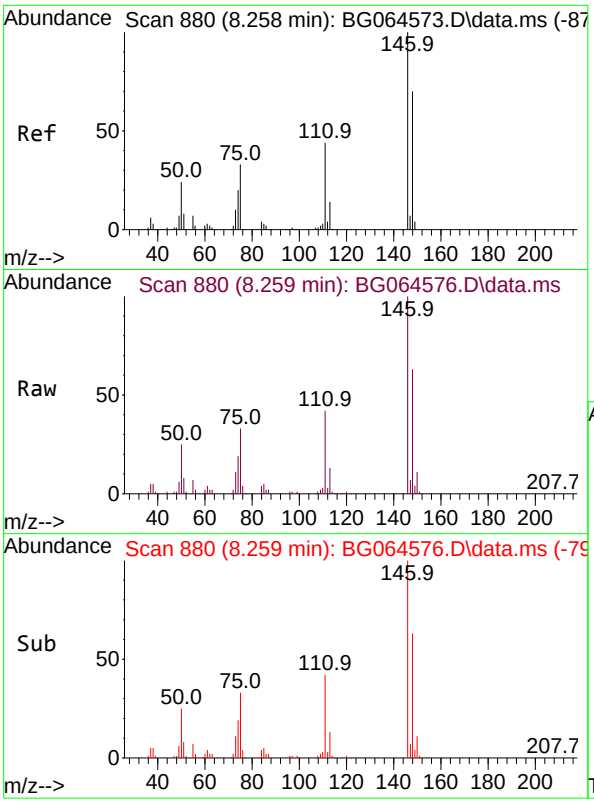


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

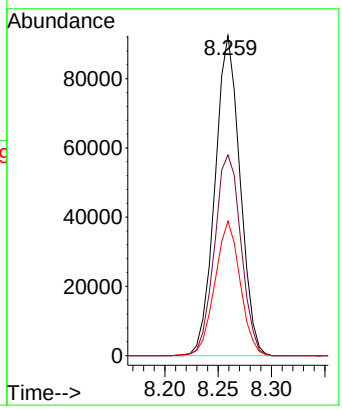




#13
1,4-Dichlorobenzene
Concen: 47.293 ng
RT: 8.259 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 15108

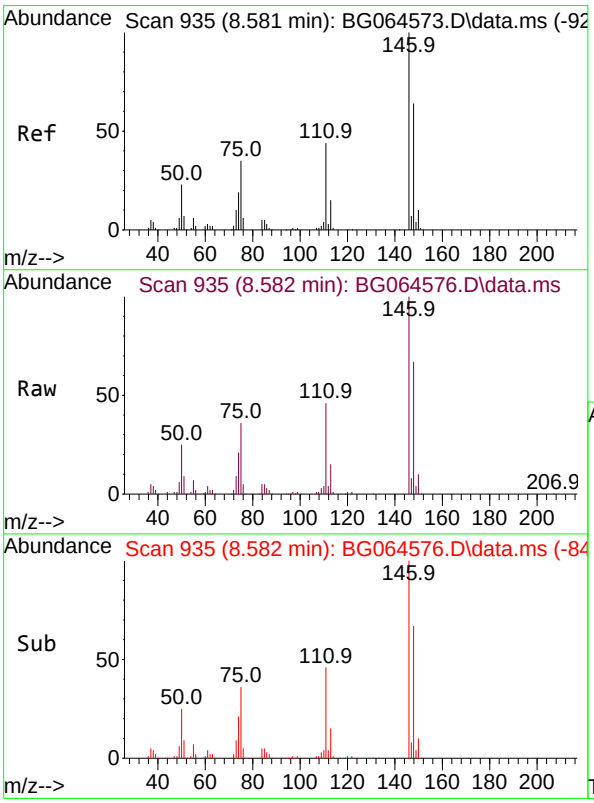
Ion	Ratio	Lower	Upper
146	100		
148	62.7	56.2	84.4
111	42.0	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

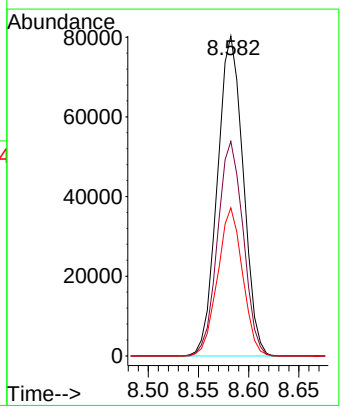
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

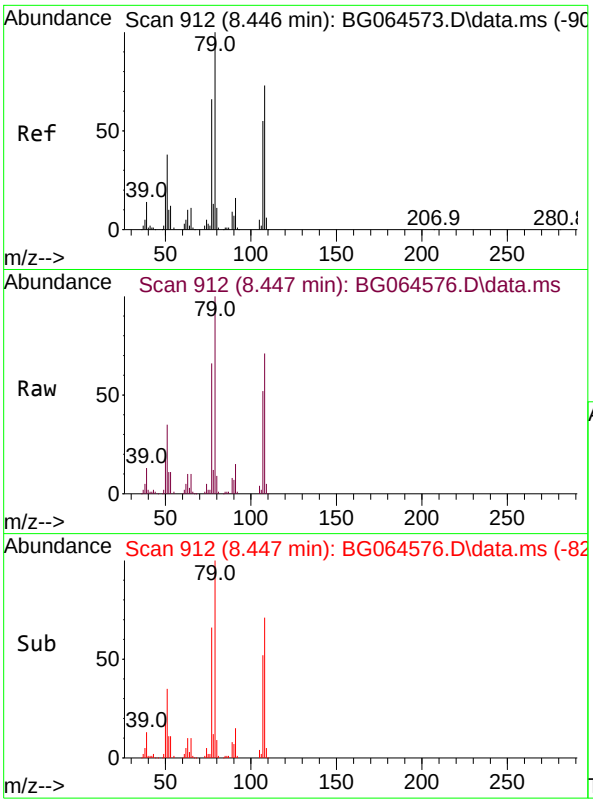


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

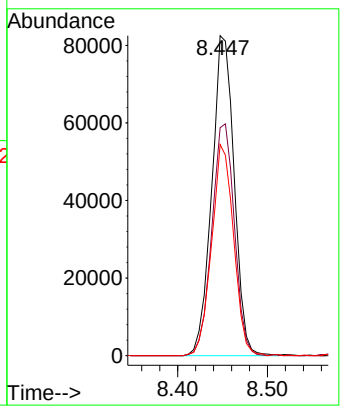




#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 14288

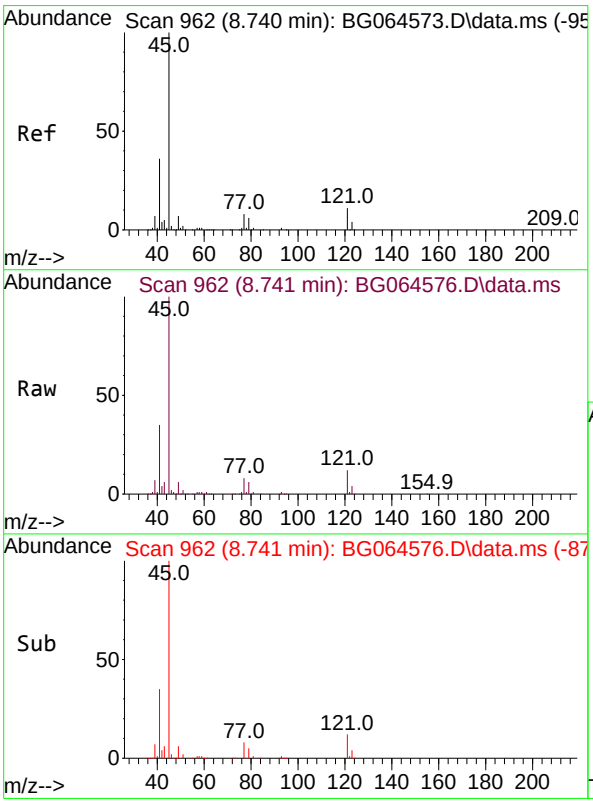
Ion	Ratio	Lower	Upper
79	100		
108	71.2	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

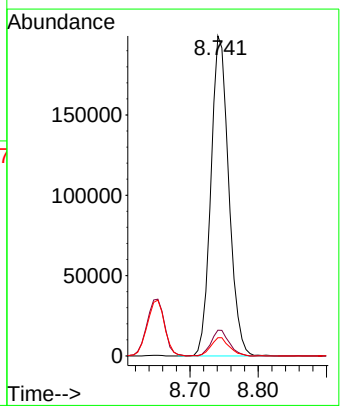
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

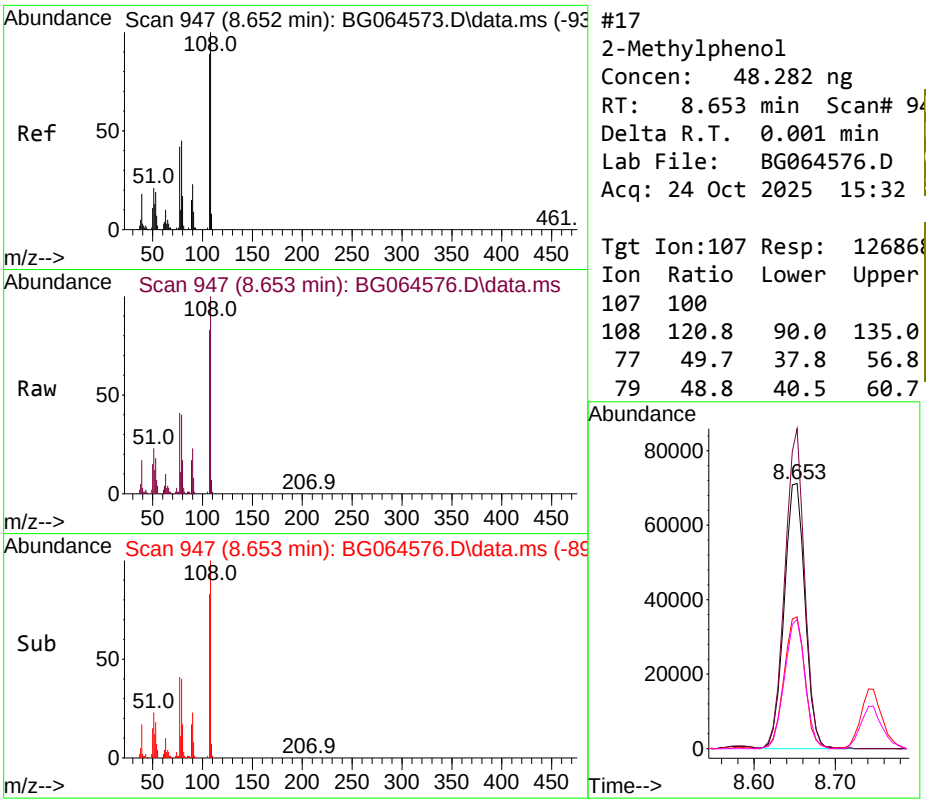


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

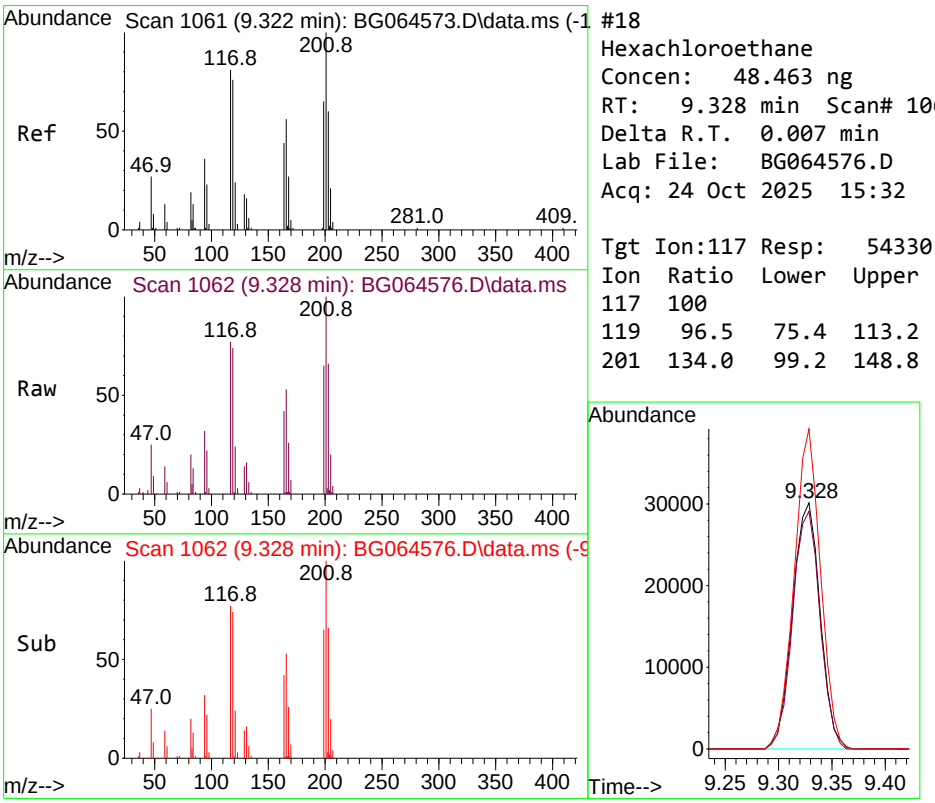
Tgt Ion:107 Resp: 126868

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

Manual Integrations APPROVED

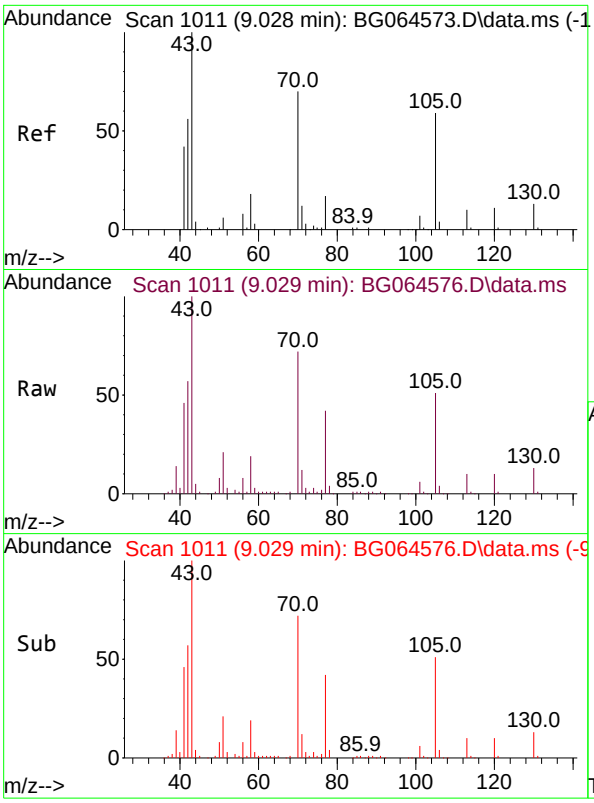
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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

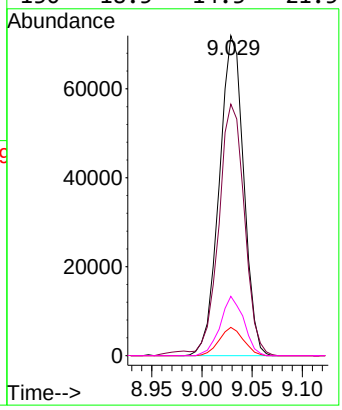
Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.4	113.2
201	134.0	99.2	148.8



#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

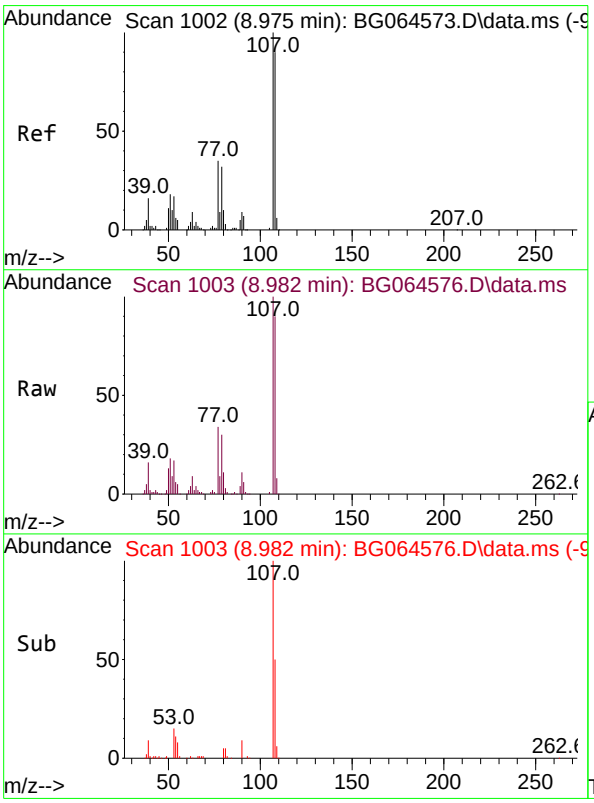
Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	8.8	7.9	11.9
130	18.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

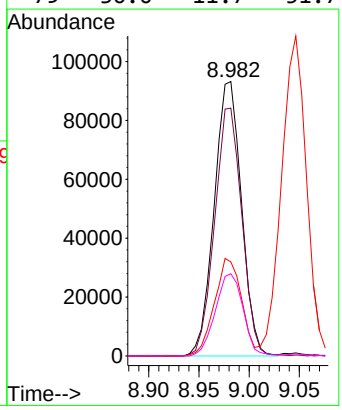
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

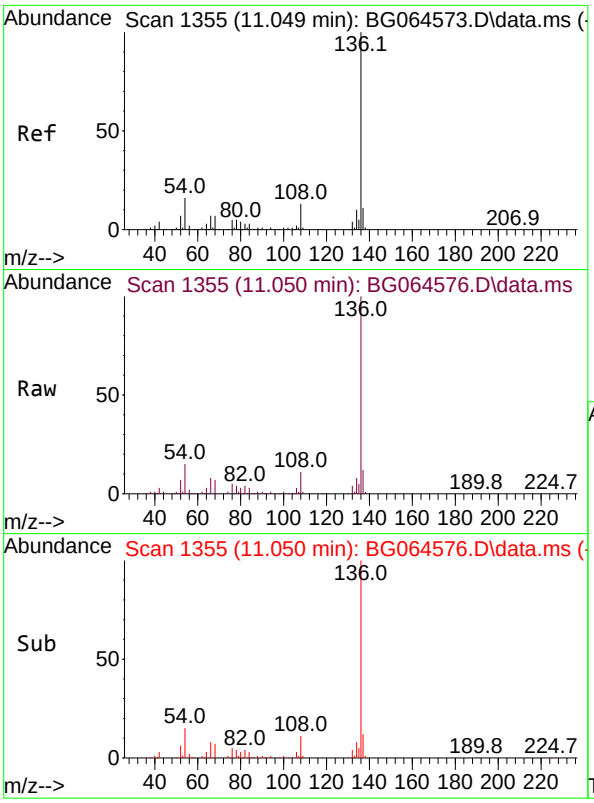


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

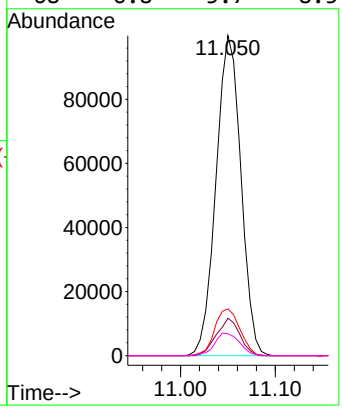




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:136 Resp: 18227

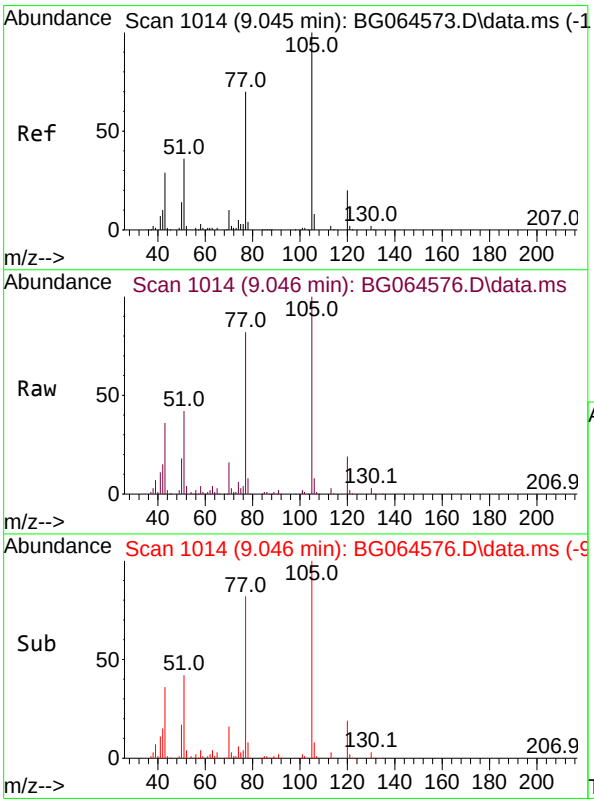
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

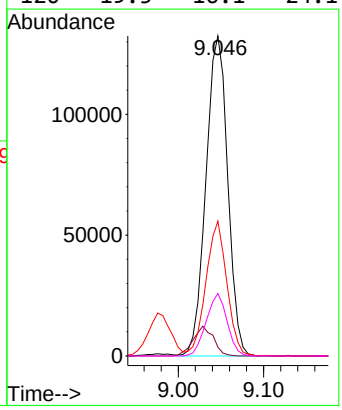
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

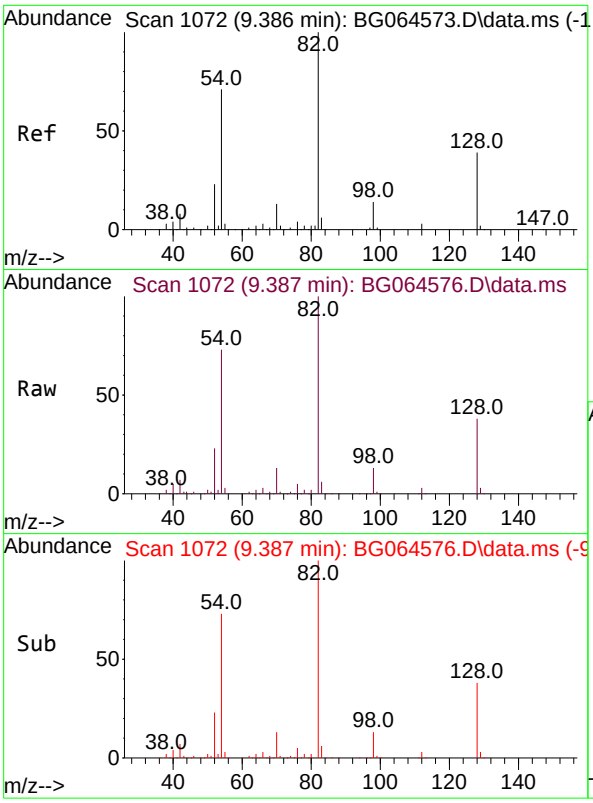


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

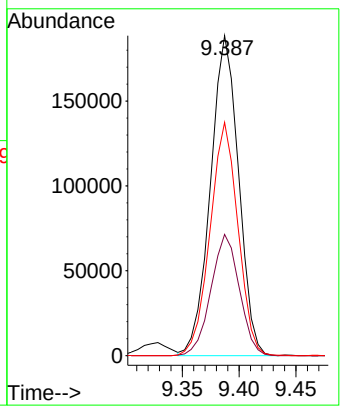




#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 10
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 324249

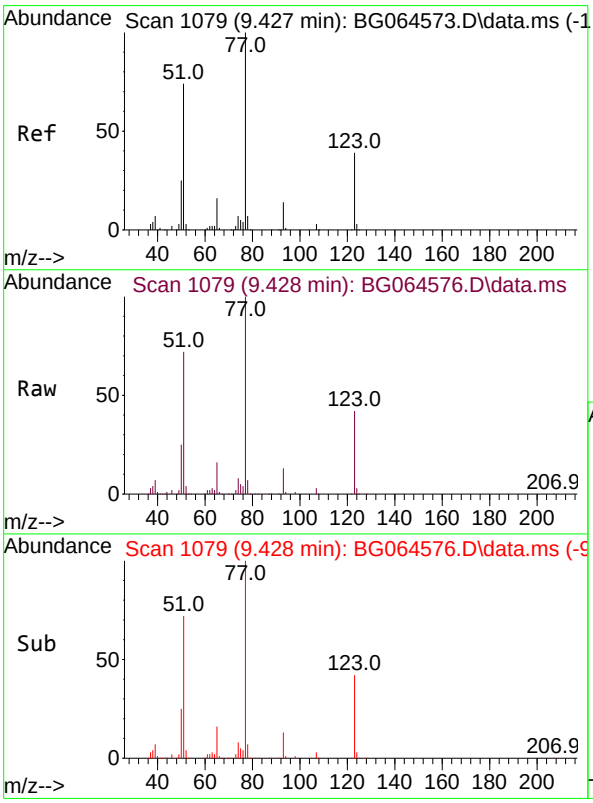
Ion	Ratio	Lower	Upper
82	100		
128	37.9	31.3	46.9
54	72.9	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

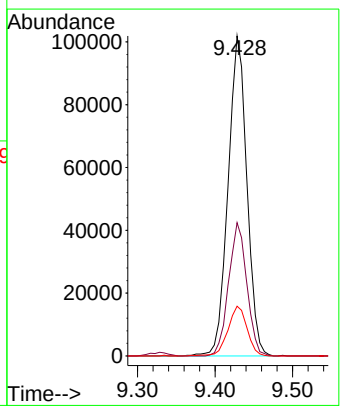
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

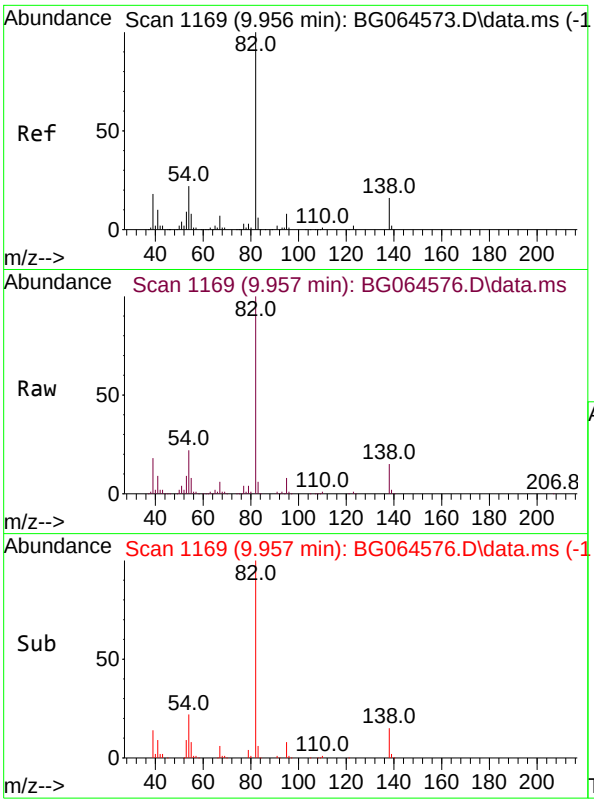


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

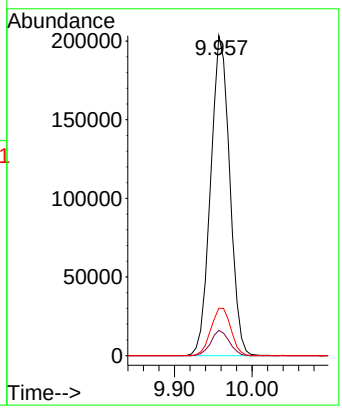




#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 34817

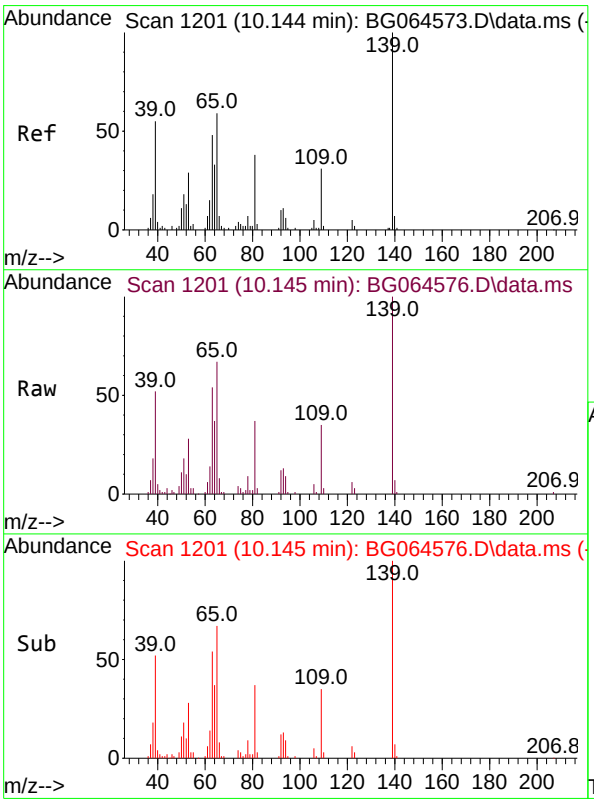
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	14.8	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

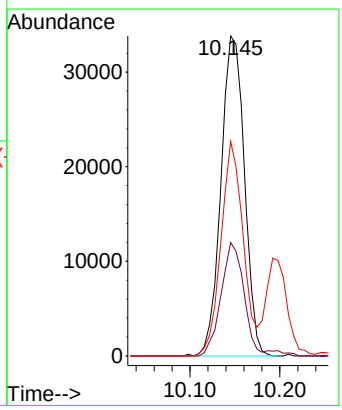
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

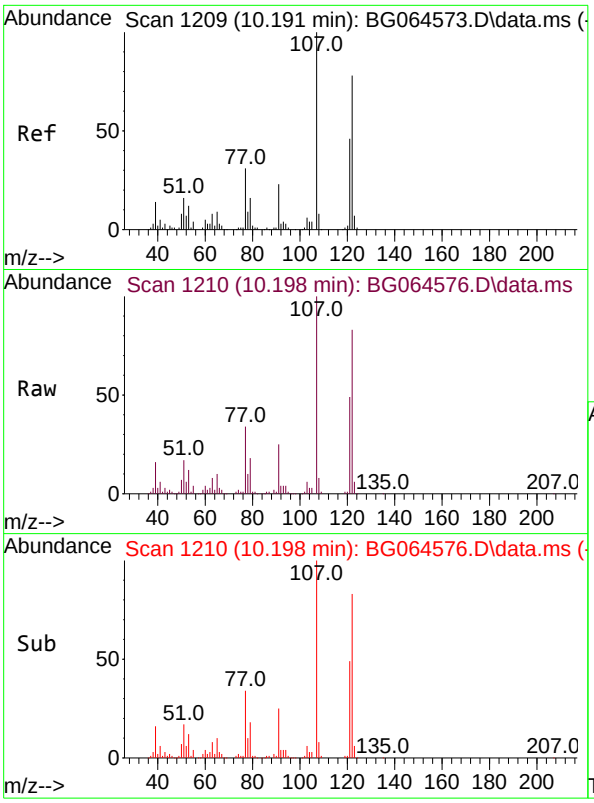


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

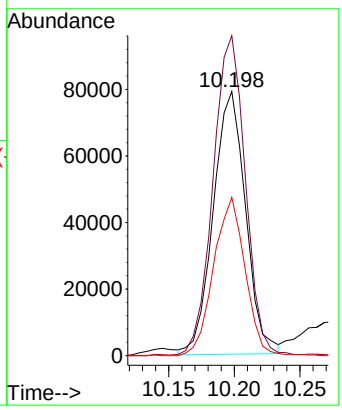




#27
2,4-Dimethylphenol
Concen: 49.988 ng
RT: 10.198 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 13540

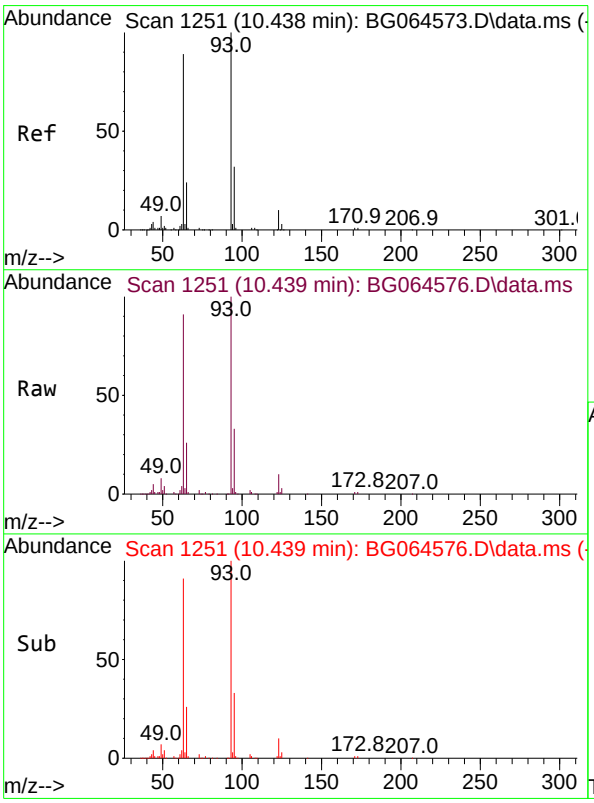
Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

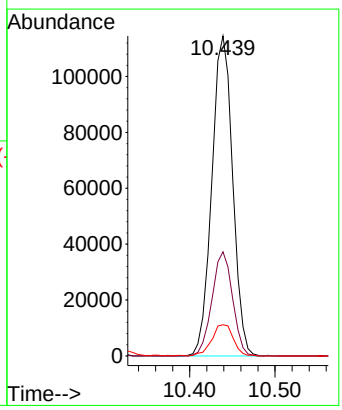
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

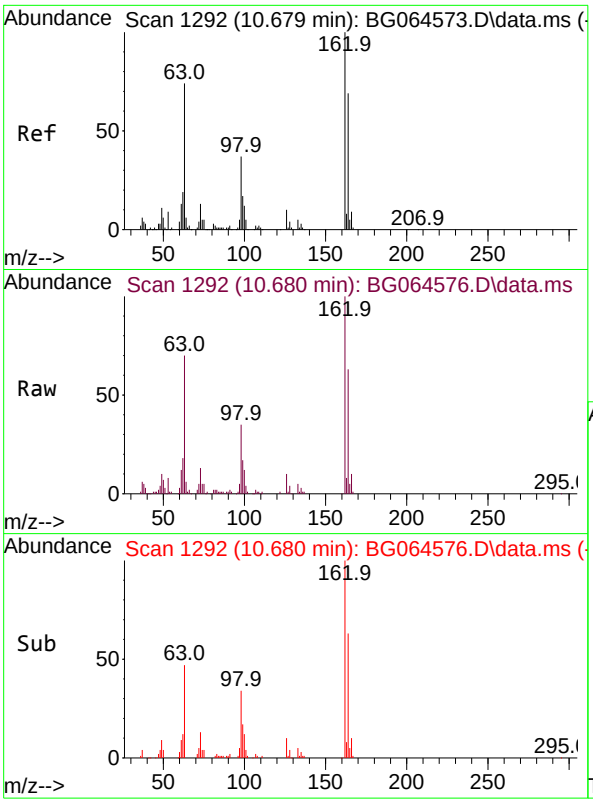


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

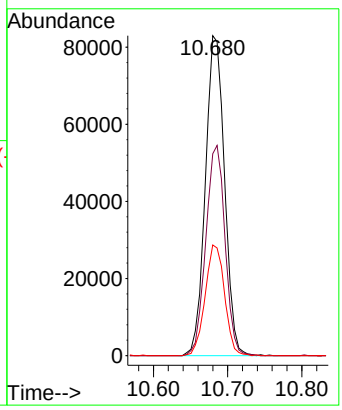




#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 14885

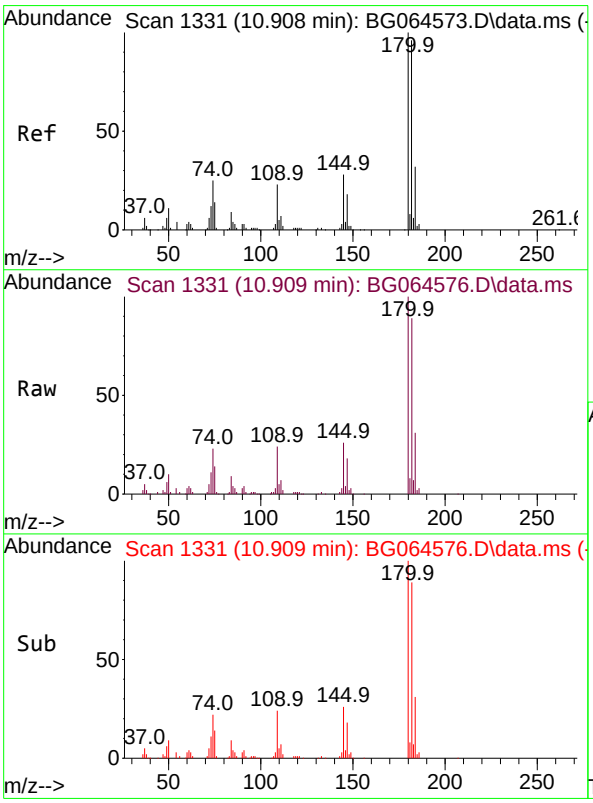
Ion	Ratio	Lower	Upper
162	100		
164	63.1	48.7	88.7
98	34.6	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

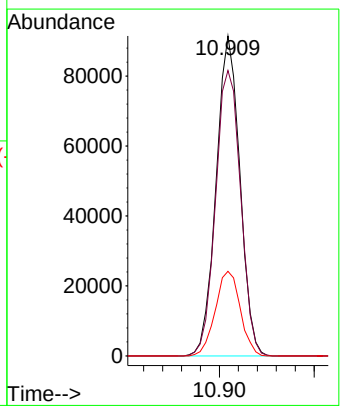
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

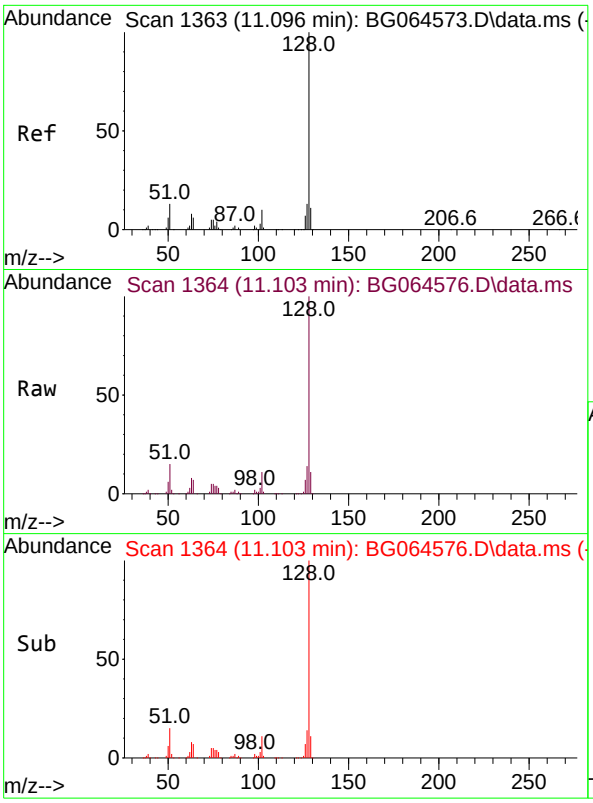


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

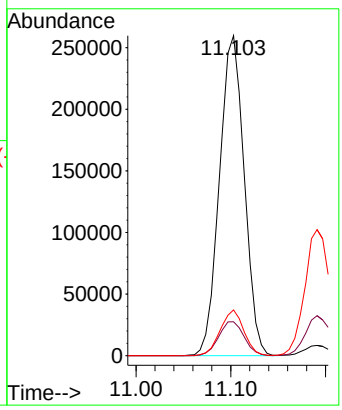




#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 471891

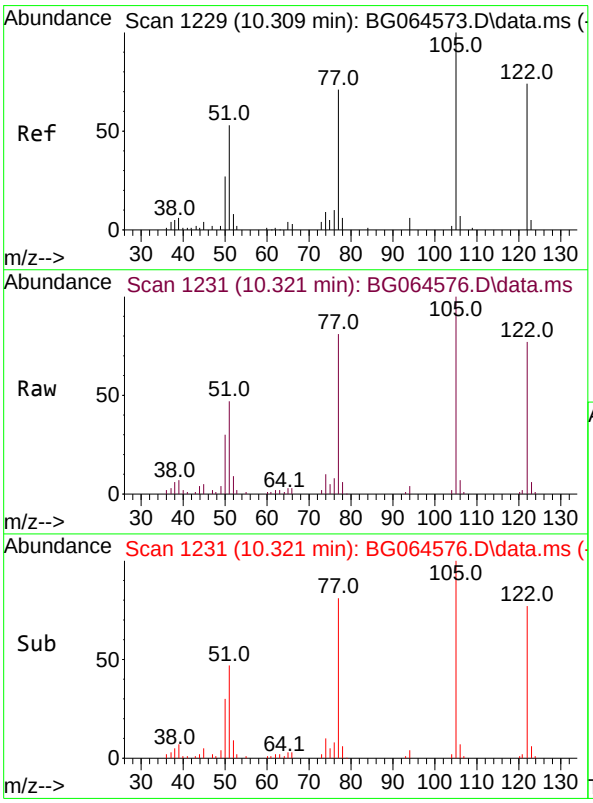
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

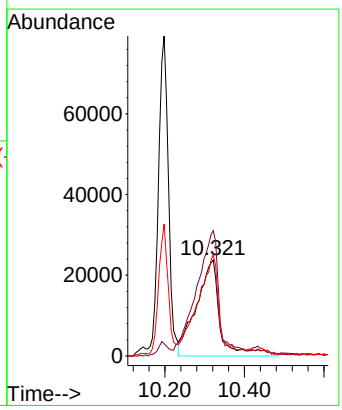
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

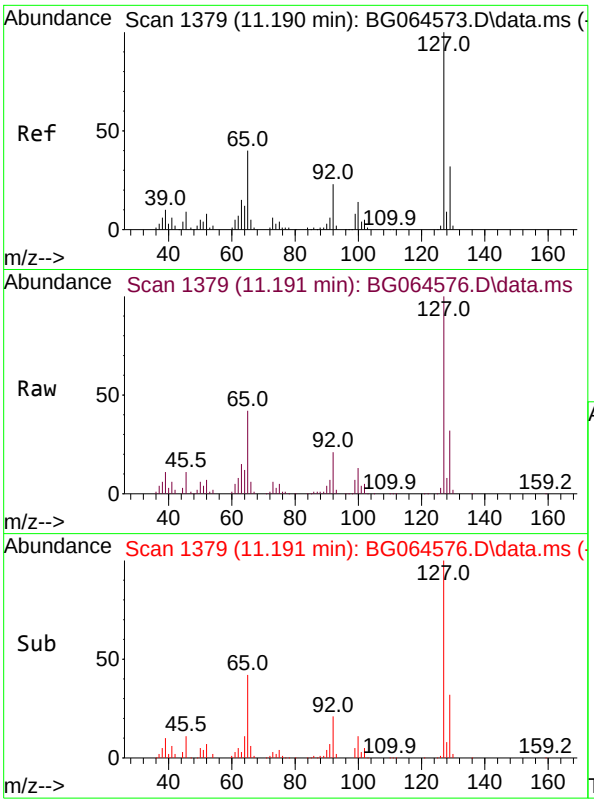


#32
Benzoic acid
Concen: 47.410 ng m
RT: 10.321 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

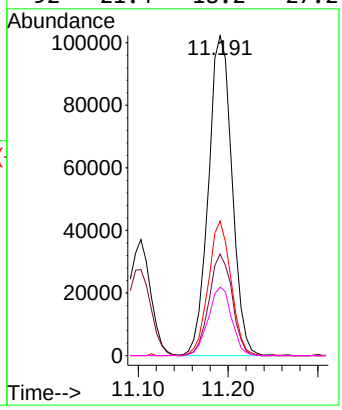




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:127 Resp: 18681

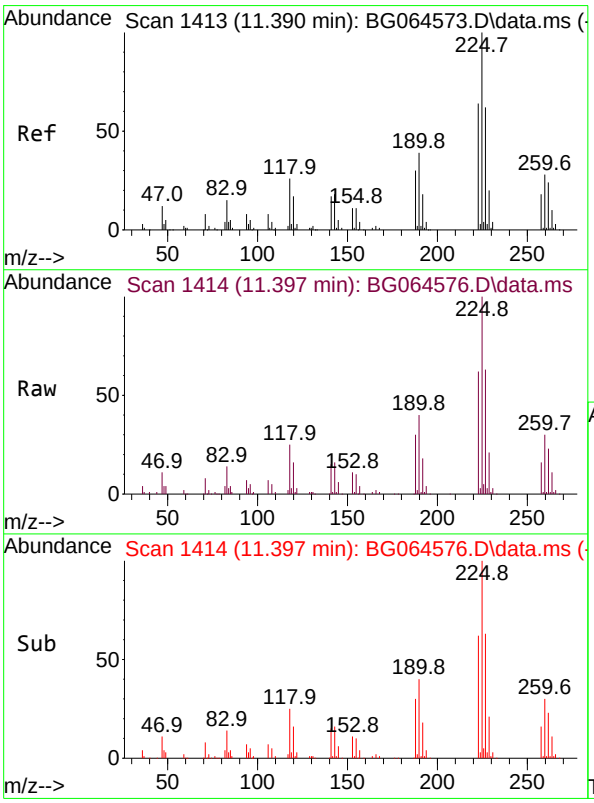
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.5	38.3
65	42.0	32.2	48.4
92	21.4	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

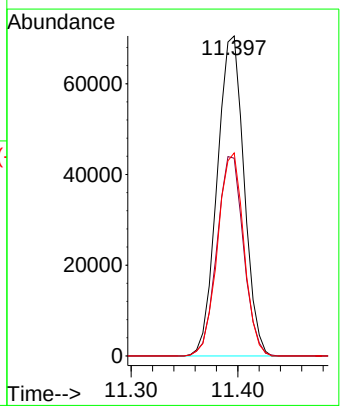
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

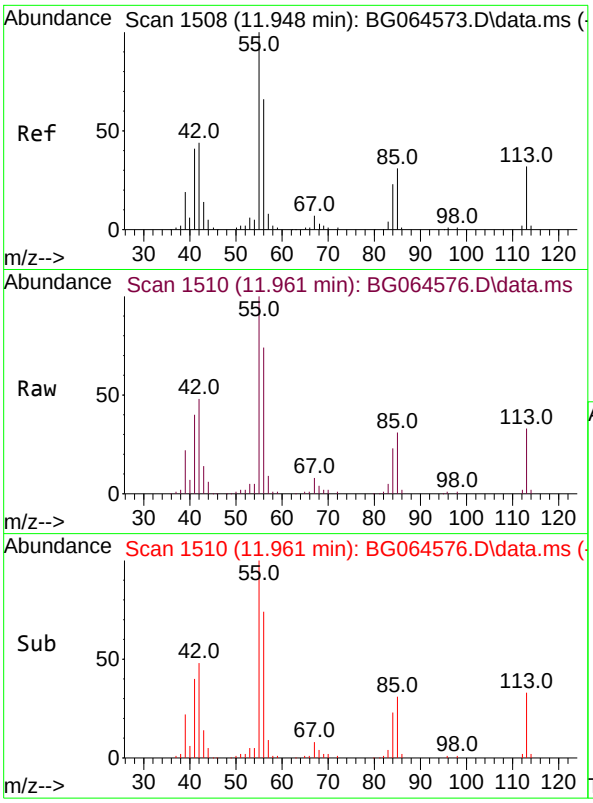


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

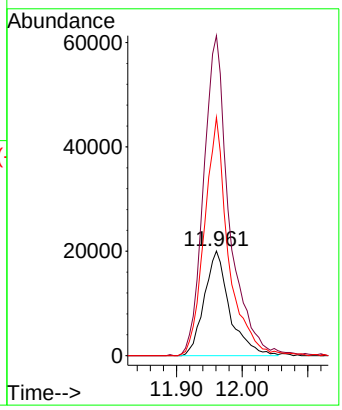




#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:113 Resp: 5368

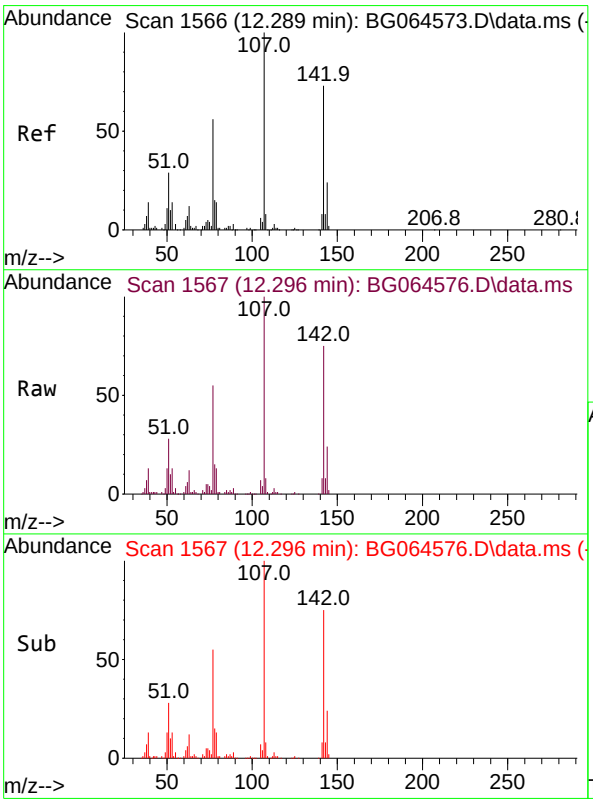
Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

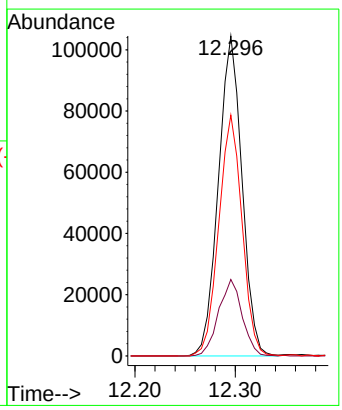
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

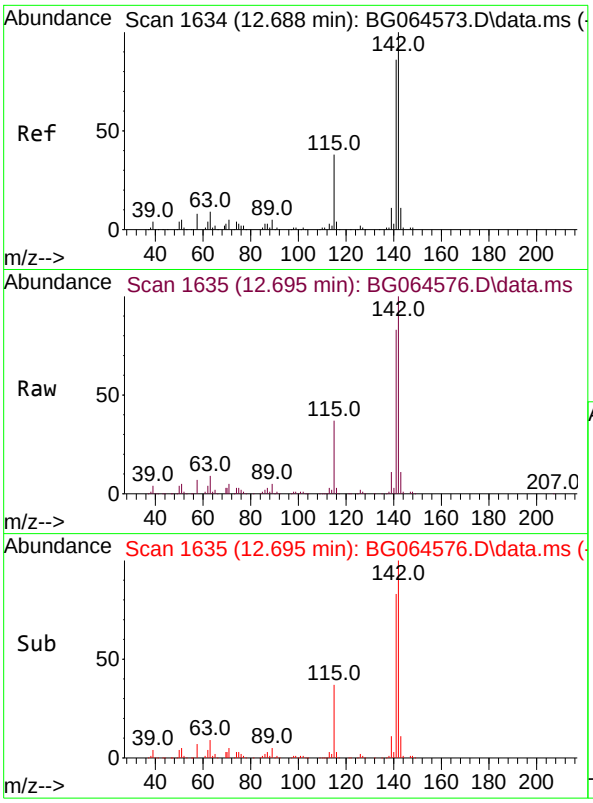


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

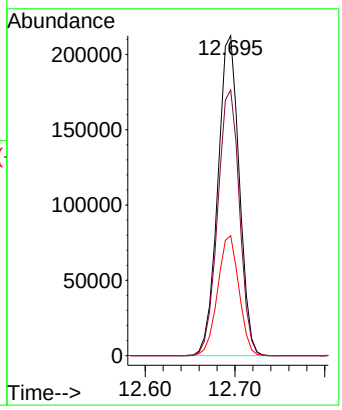




#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 351946

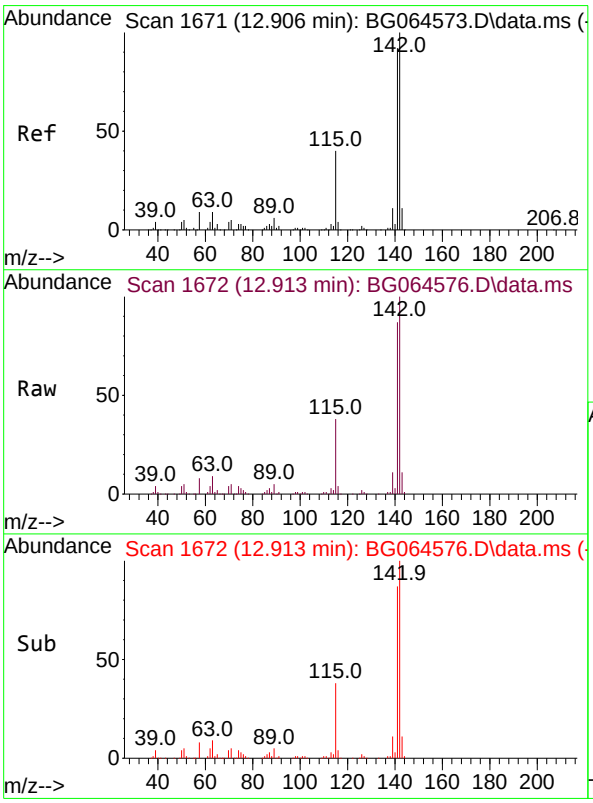
Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

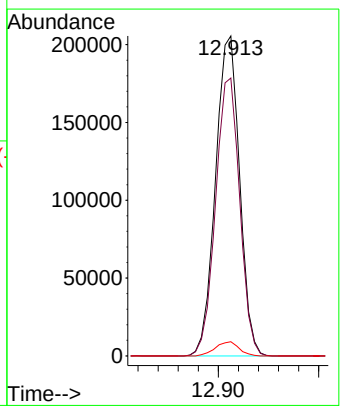
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

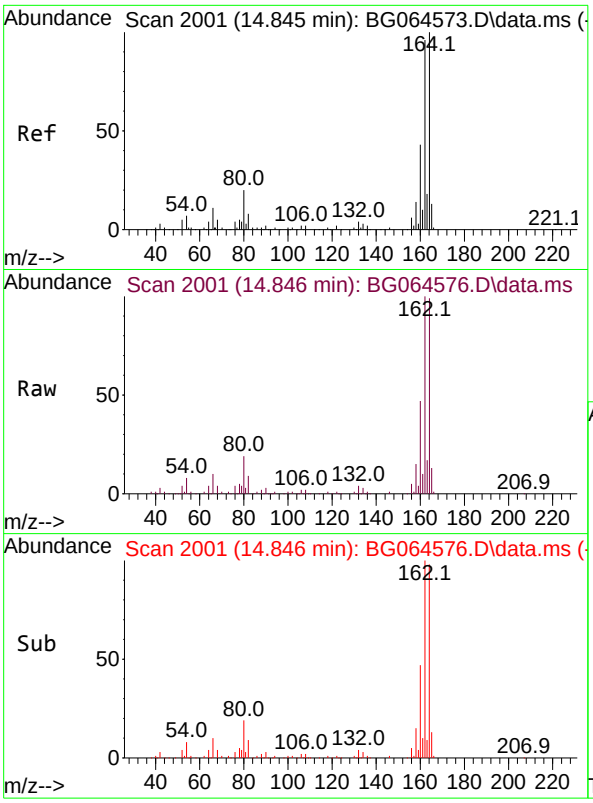


#38
1-Methylnaphthalene
Concen: 46.666 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

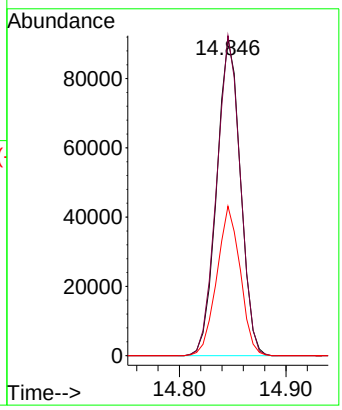




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:164 Resp: 14203

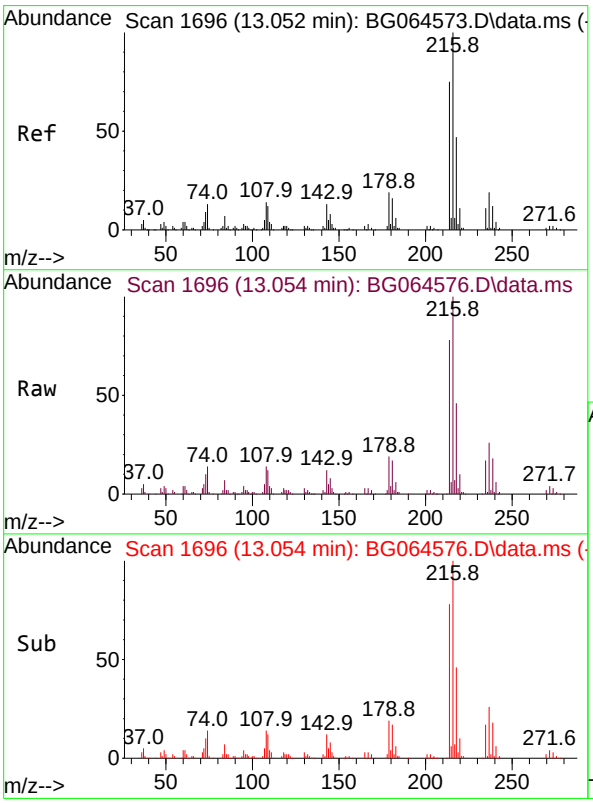
Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.0	115.6
160	47.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

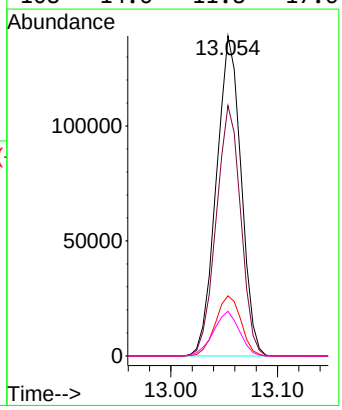
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

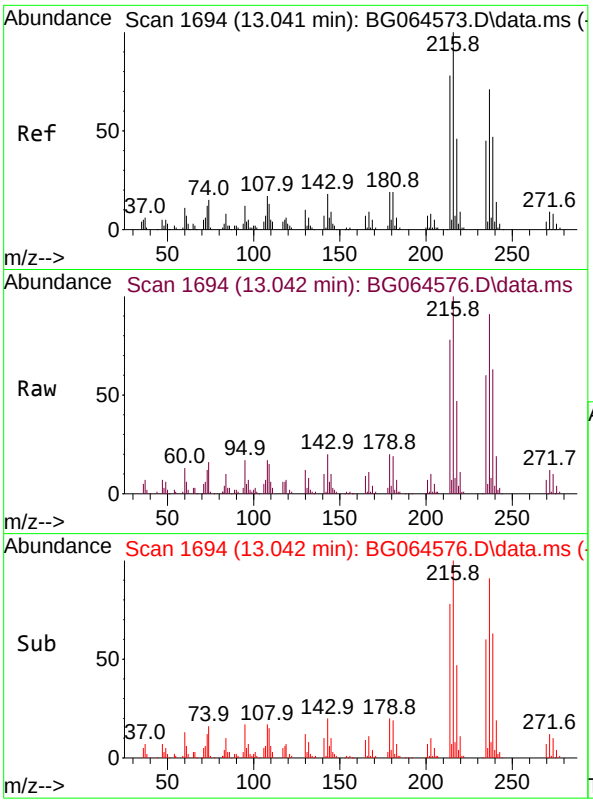


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

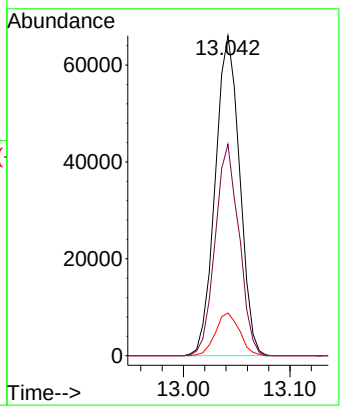




#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:237 Resp: 10541

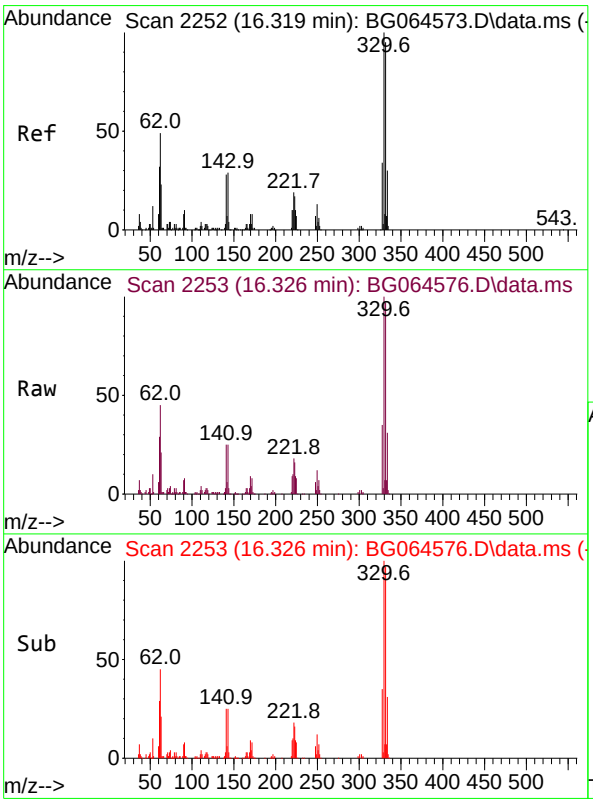
Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.1	84.1
272	13.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

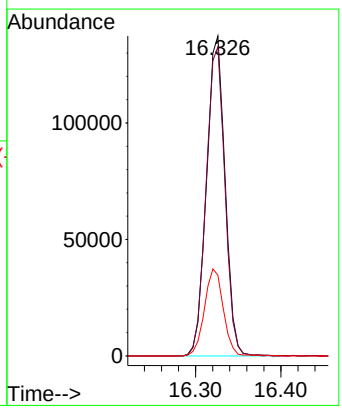
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

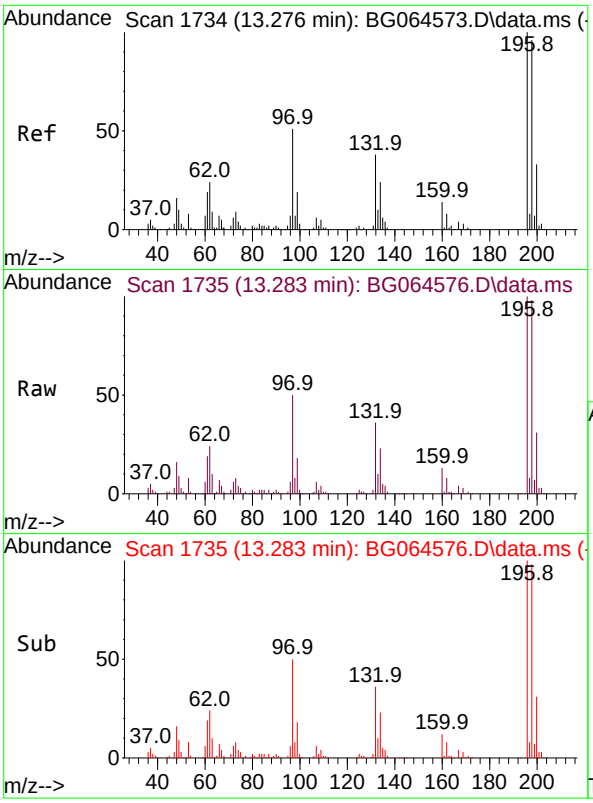


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

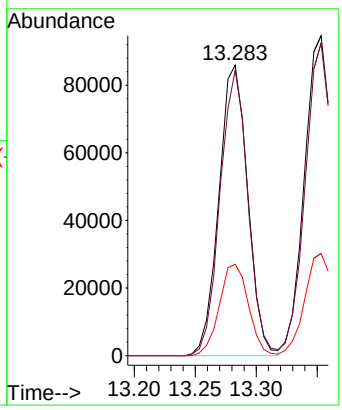




#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 14150

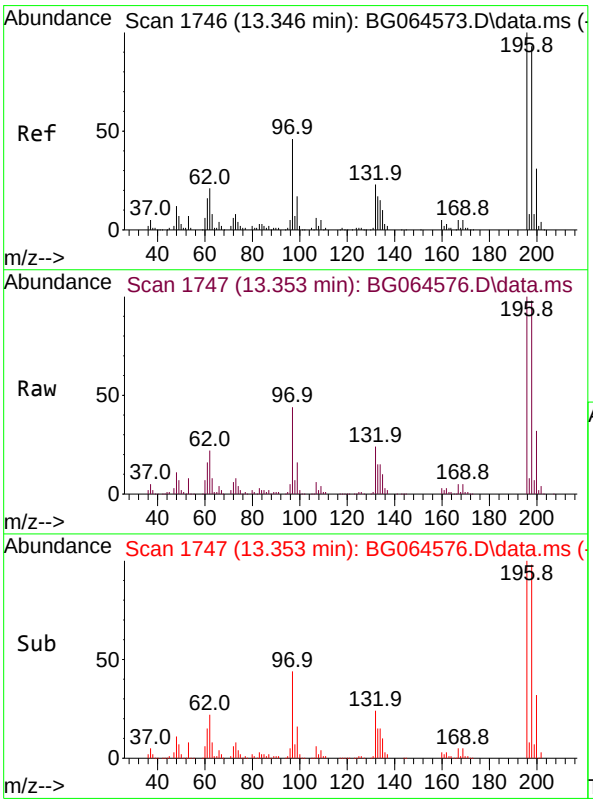
Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	31.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

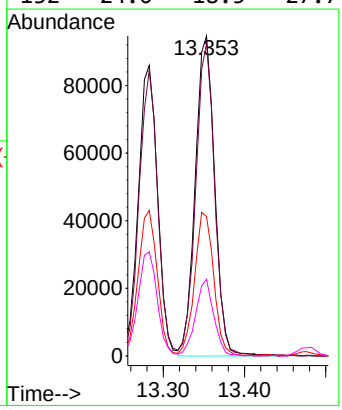
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

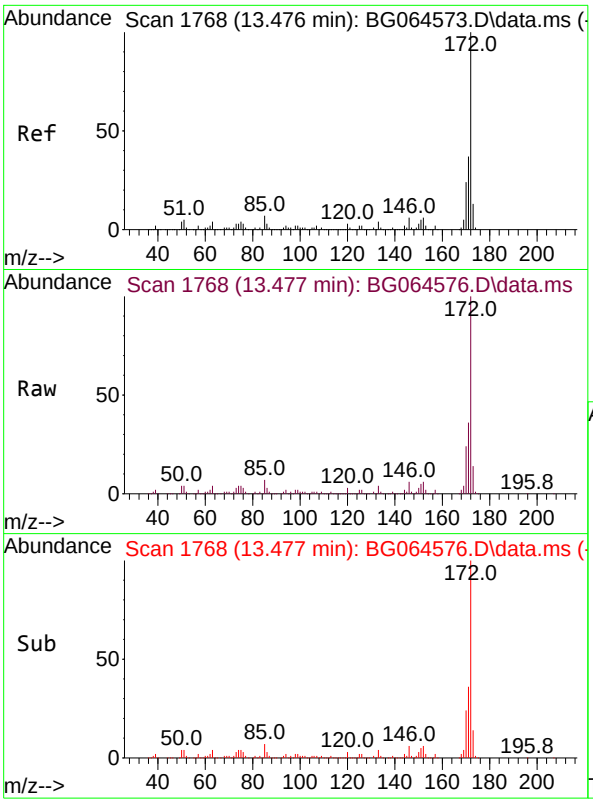


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

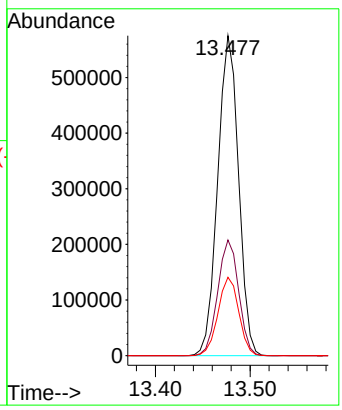




#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:172 Resp: 87731

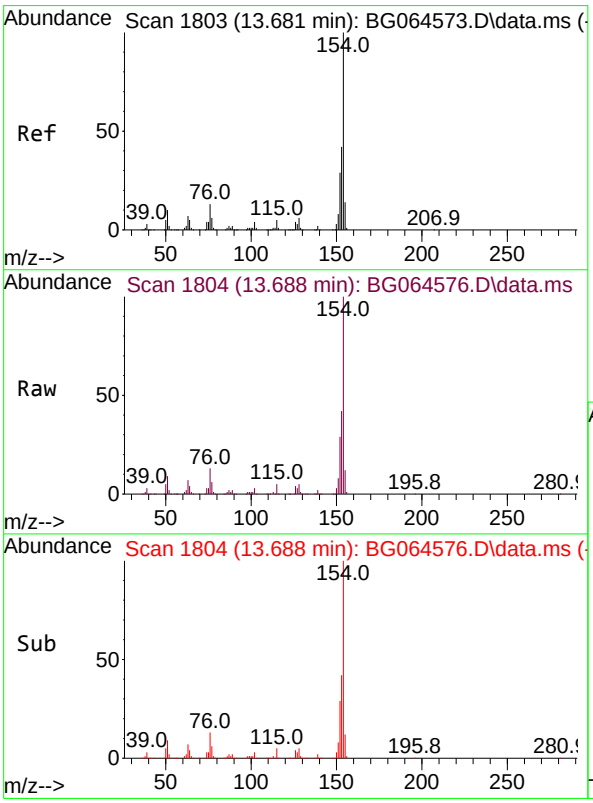
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

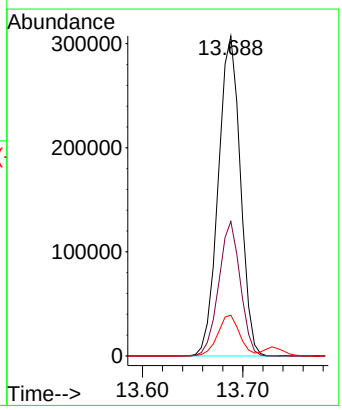
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

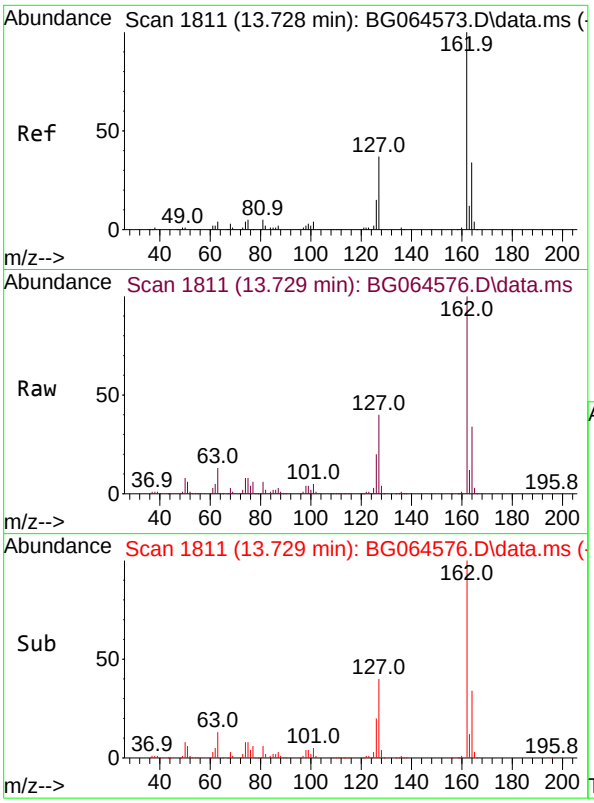


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

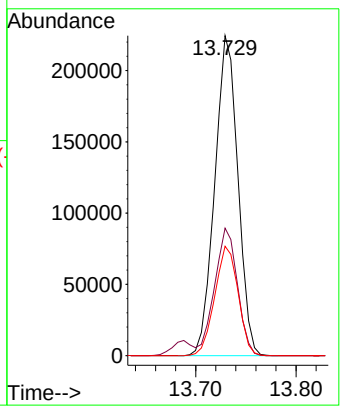




#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 359811

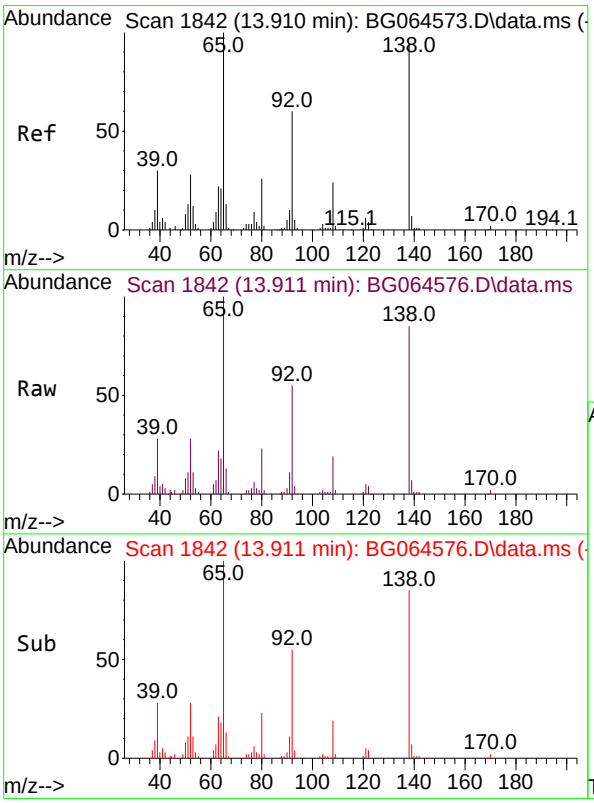
Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	34.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

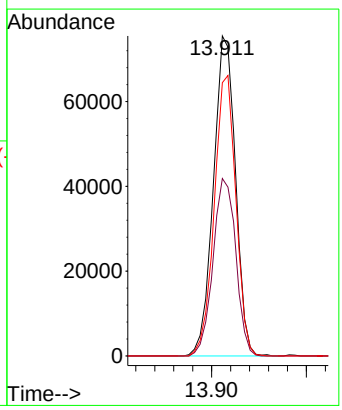
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

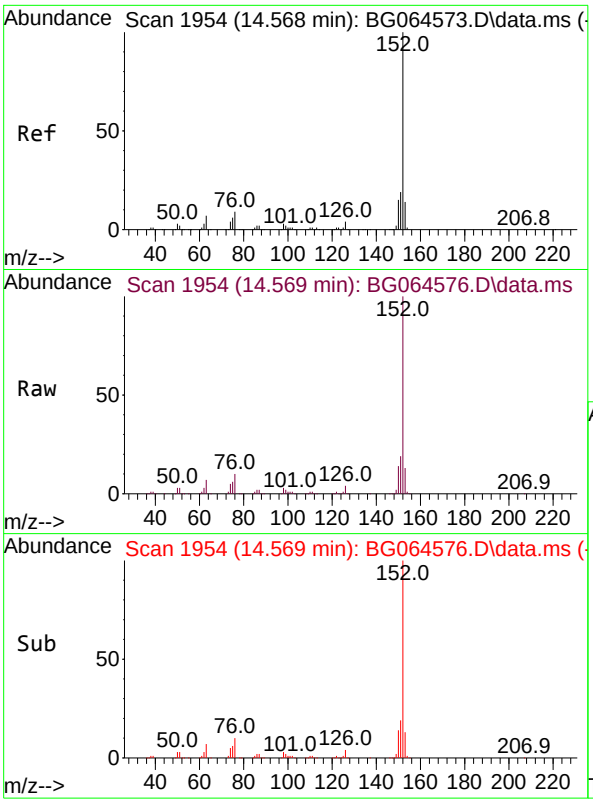


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

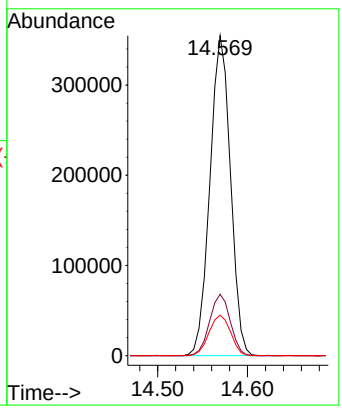




#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 56577

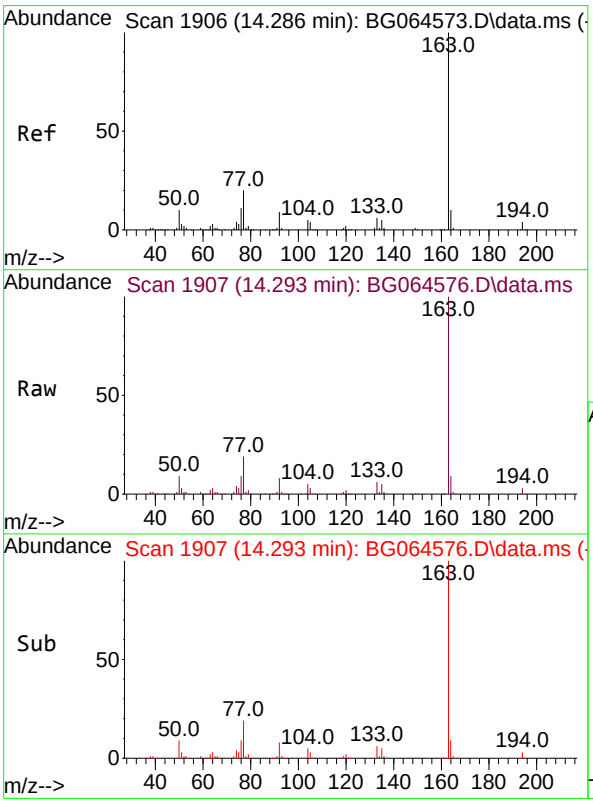
Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.6	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

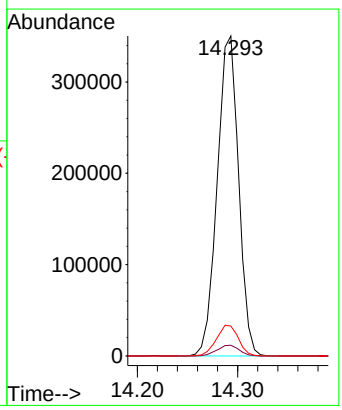
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

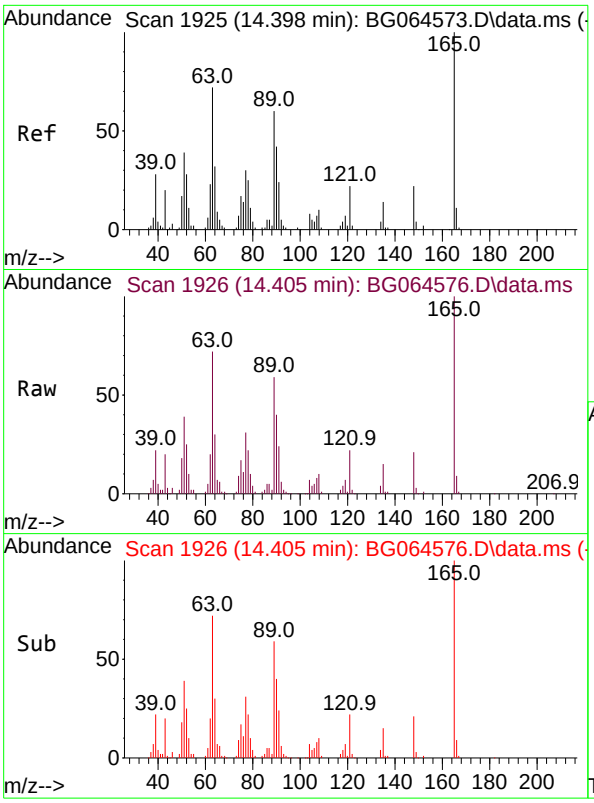


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

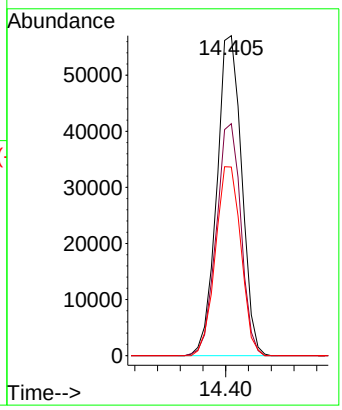




#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 8666

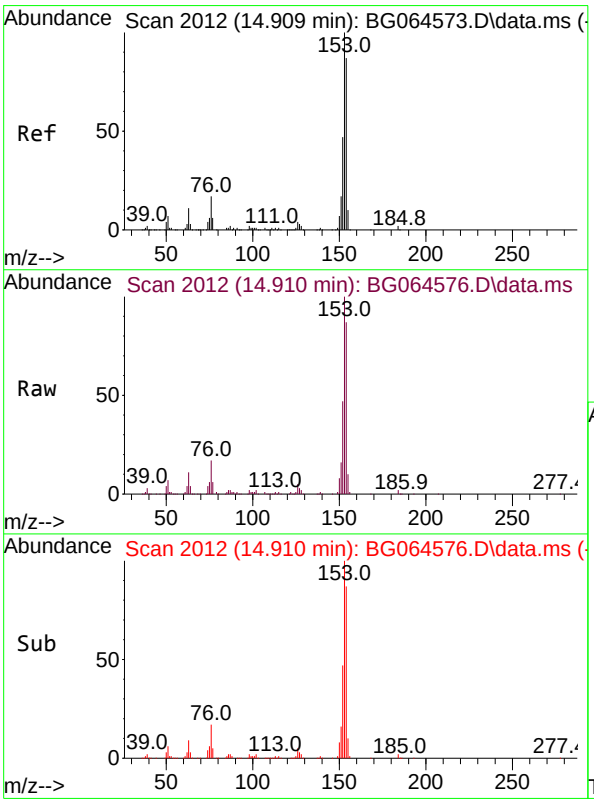
Ion	Ratio	Lower	Upper
165	100		
63	72.5	57.4	86.0
89	58.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

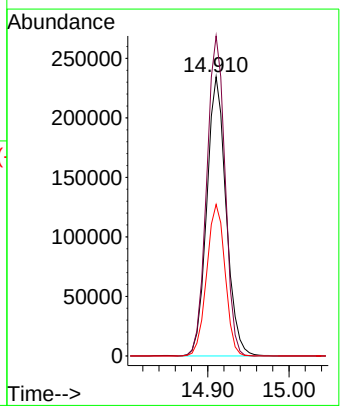
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

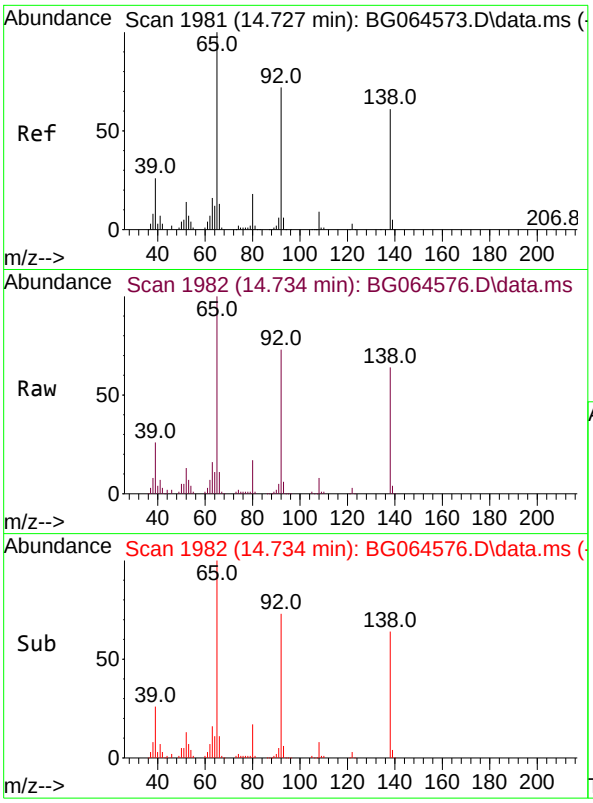


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

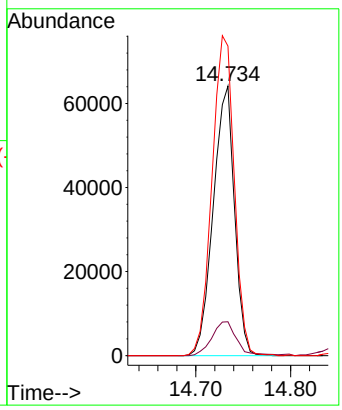




#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 9974

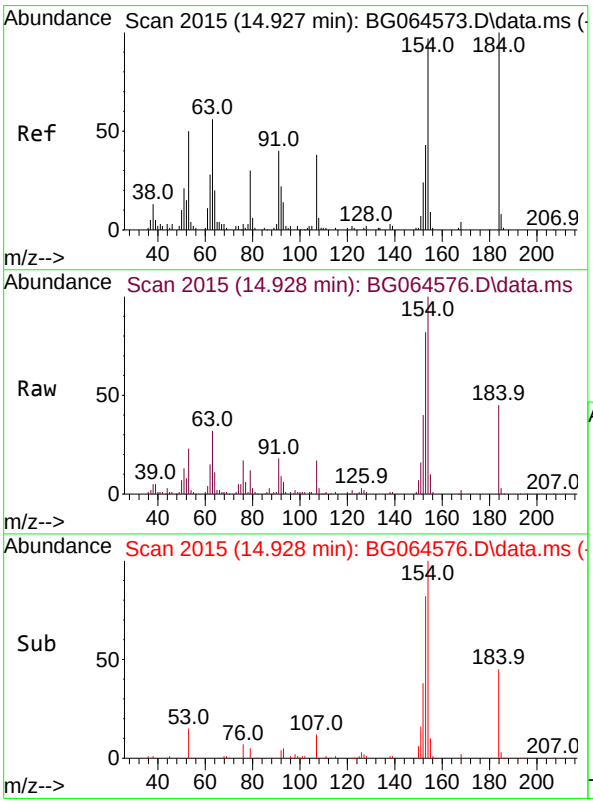
Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

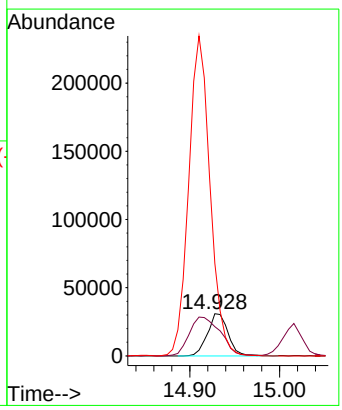
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

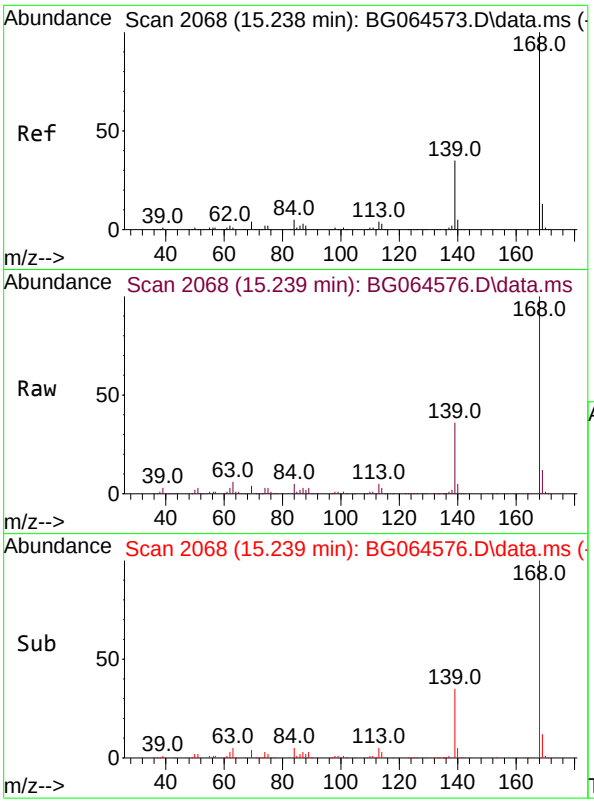


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

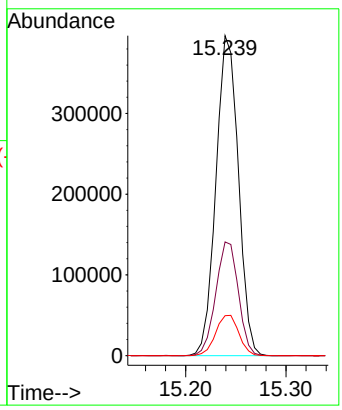




#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:168 Resp: 61555

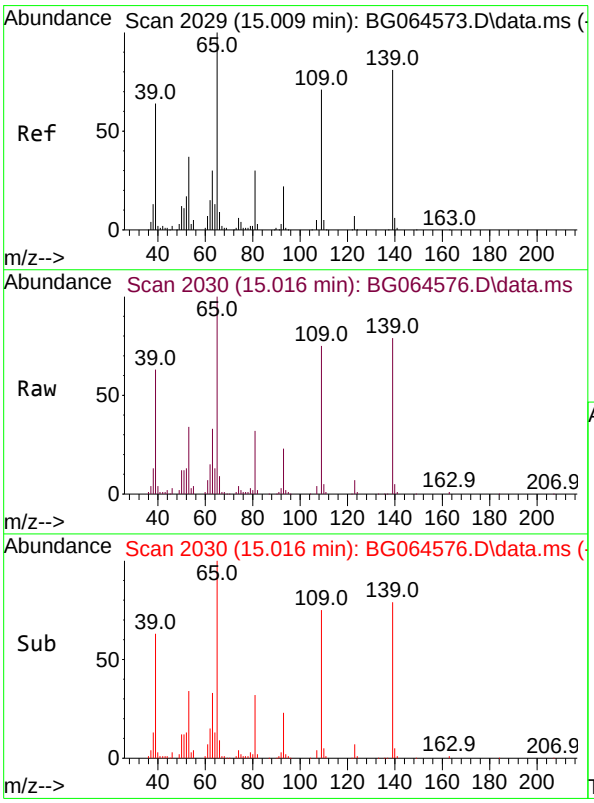
Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.5	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

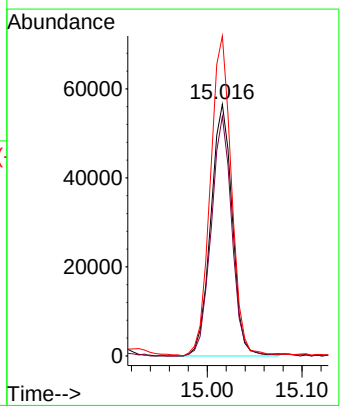
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

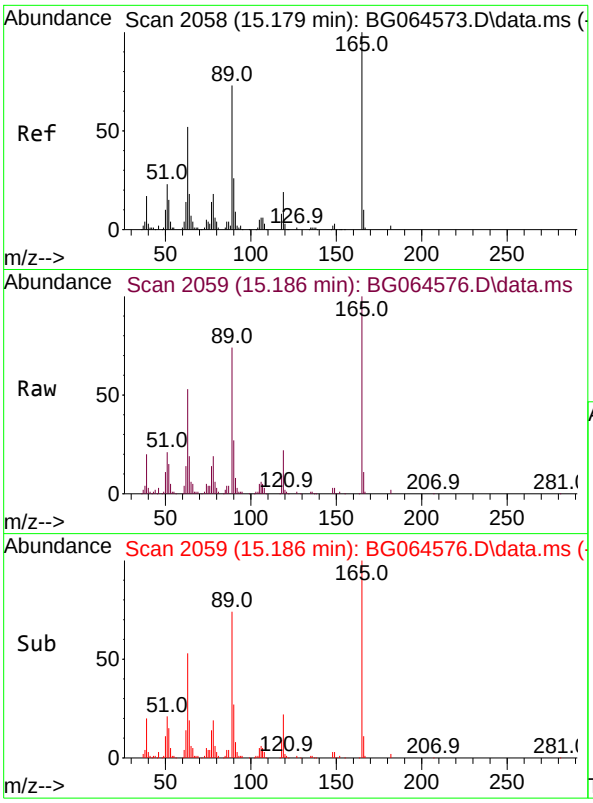


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

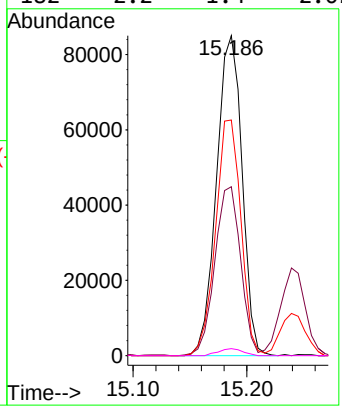




#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 13237

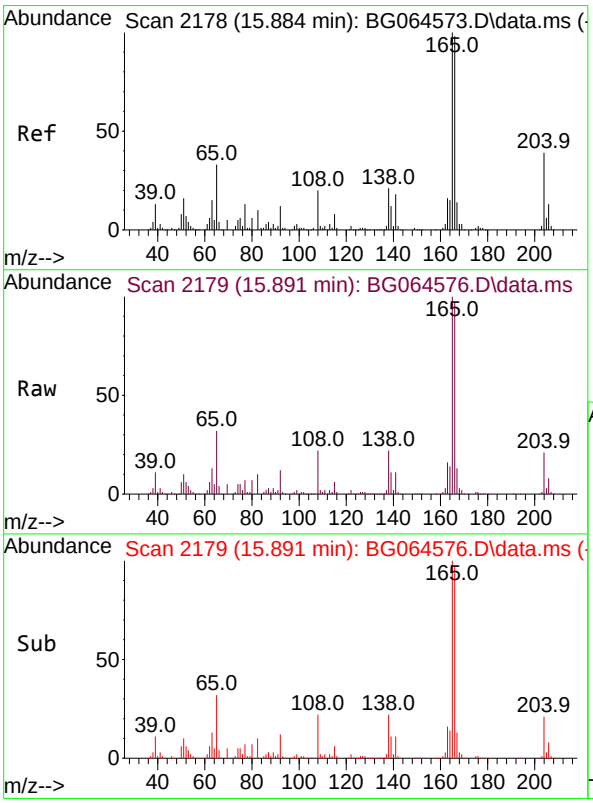
Ion	Ratio	Lower	Upper
165	100		
63	52.8	41.8	62.8
89	73.6	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

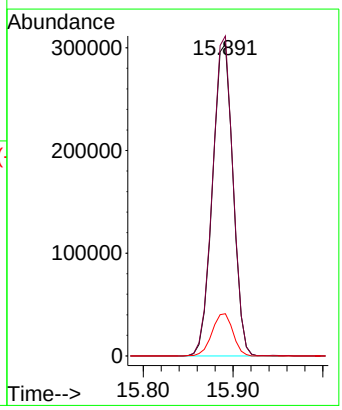
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

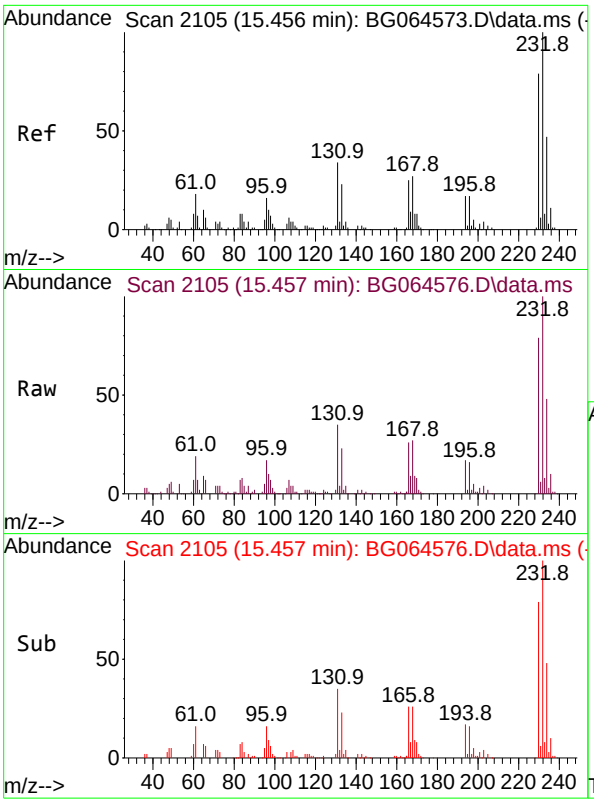


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

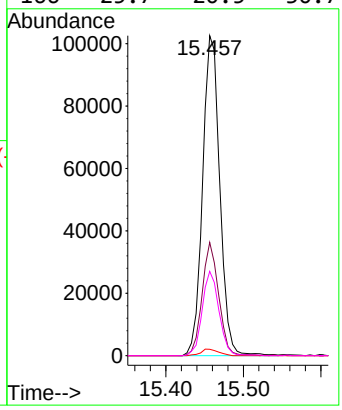




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:232 Resp: 15778

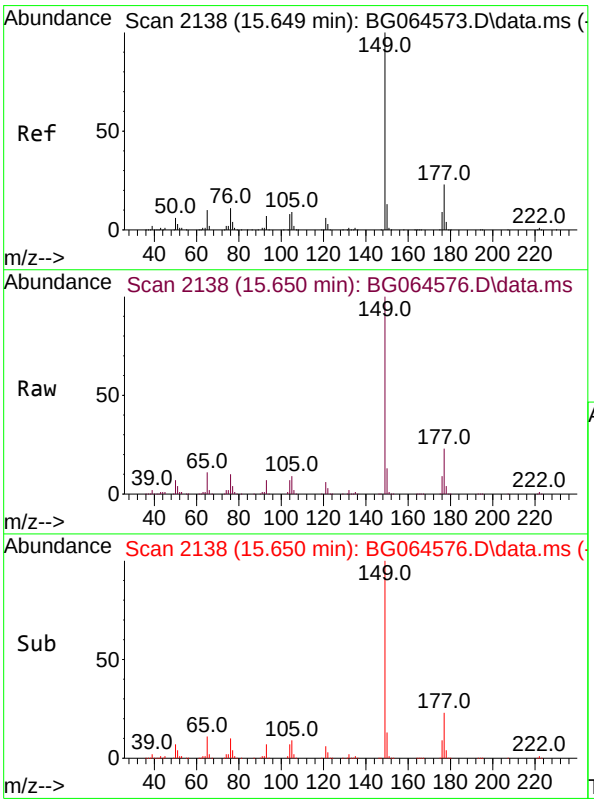
Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

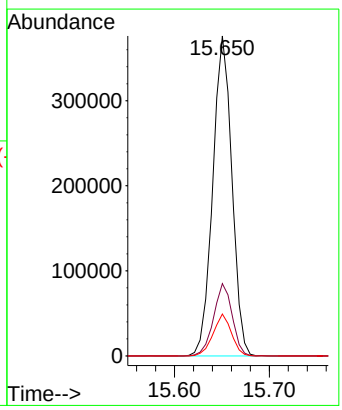
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

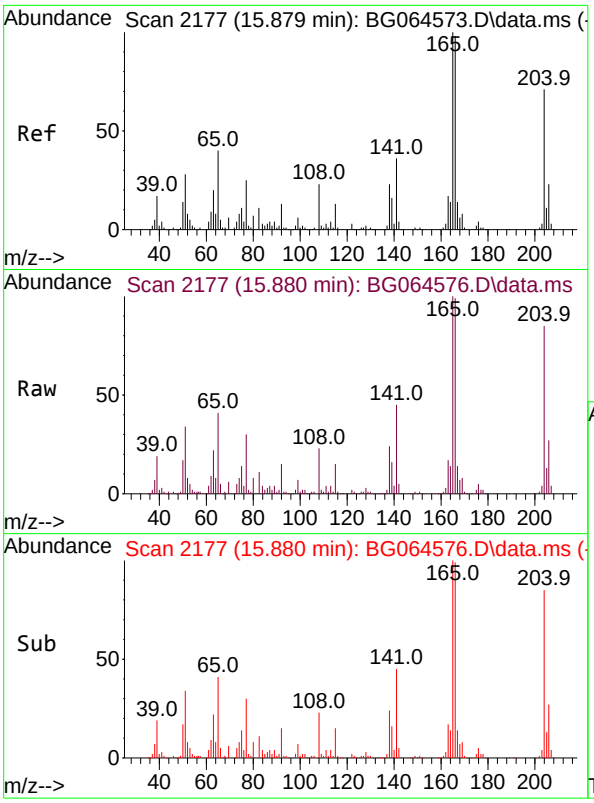


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

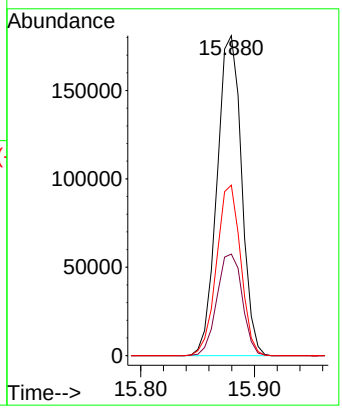




#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:204 Resp: 271068

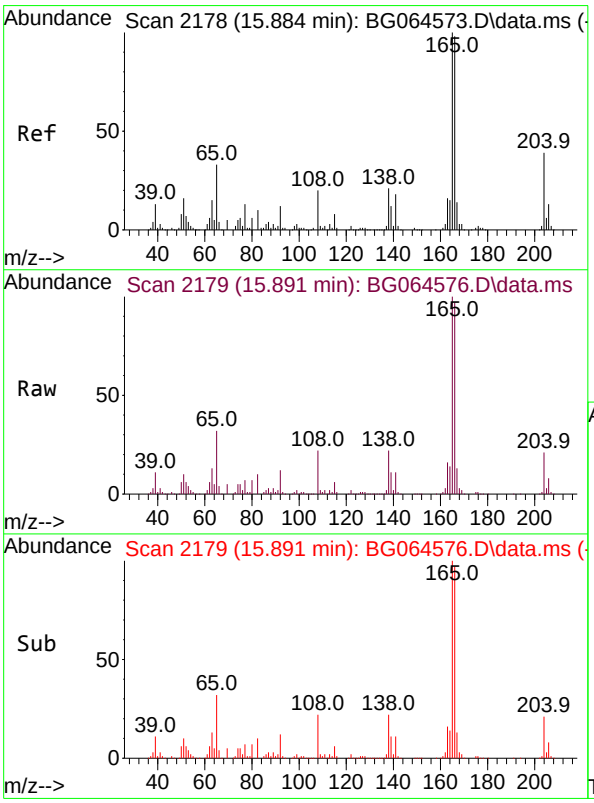
Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	53.3	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

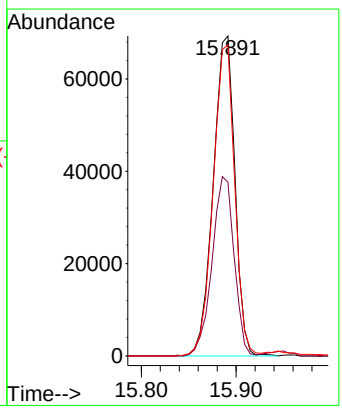
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

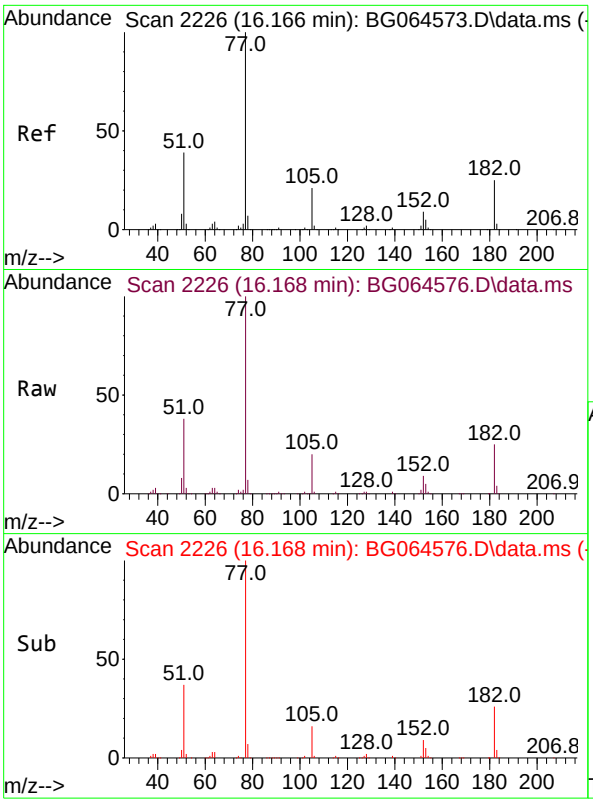


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

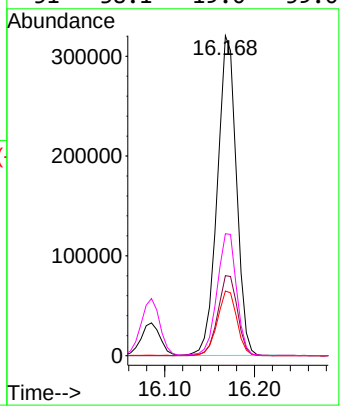




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 47520

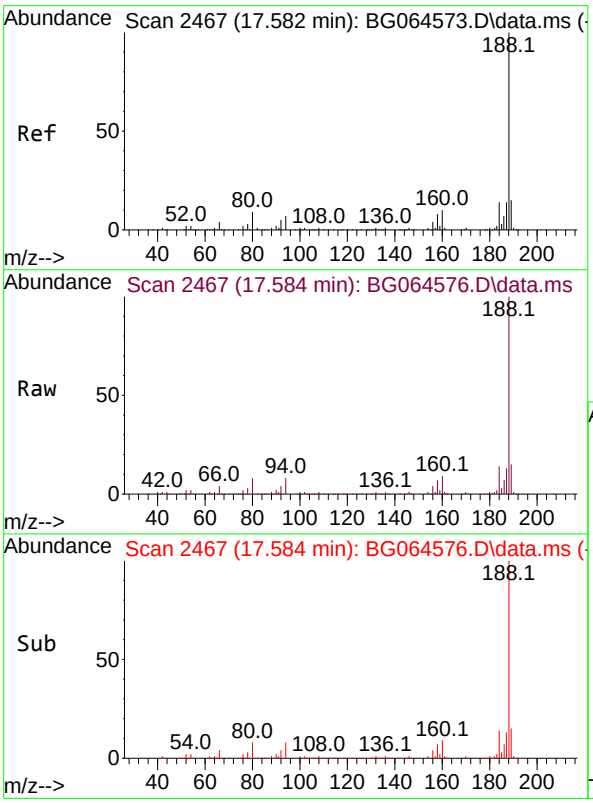
Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.2	1.3	41.3
51	38.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

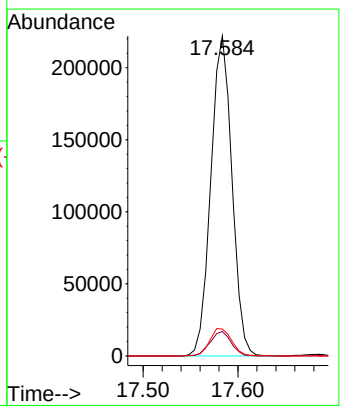
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

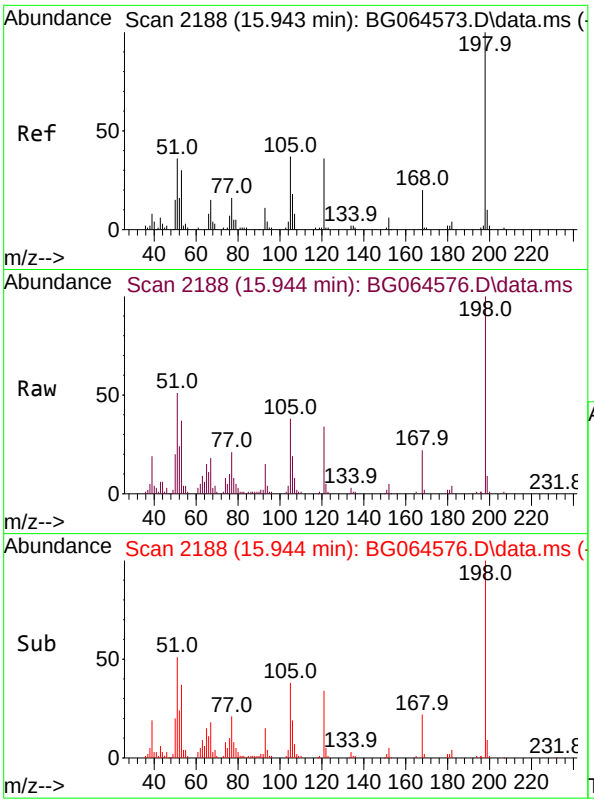


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

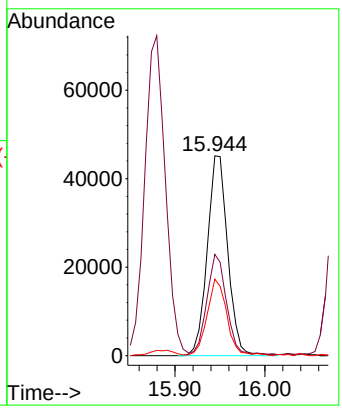
Tgt Ion:198 Resp: 7167

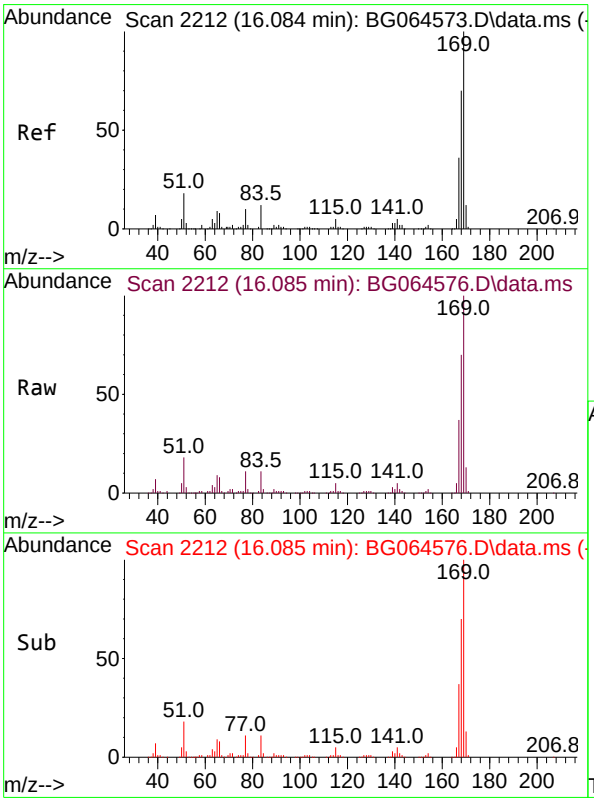
Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	38.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

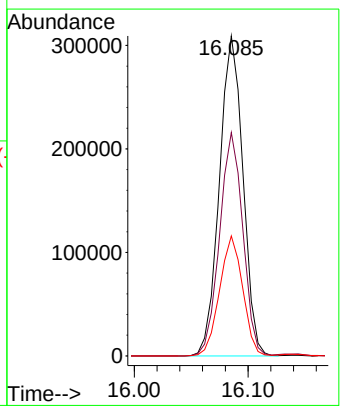


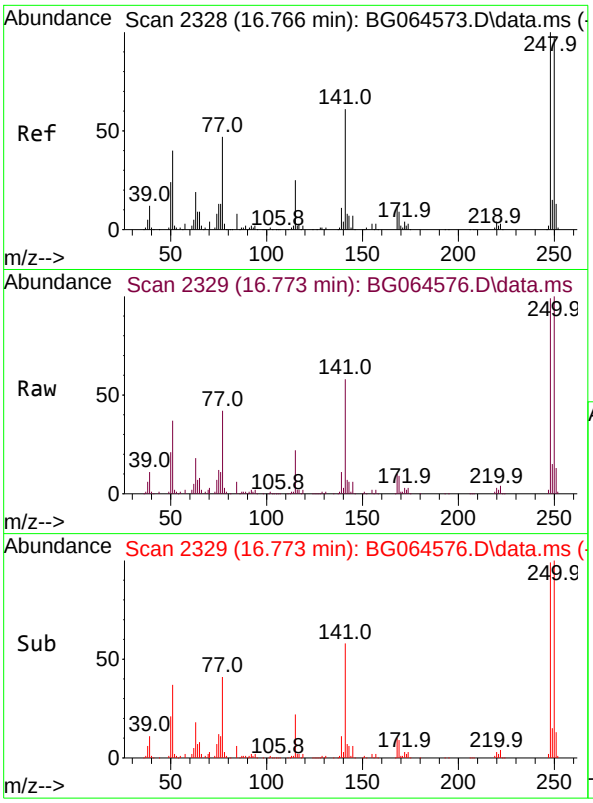


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

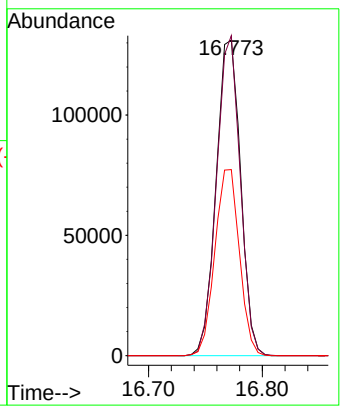




#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:248 Resp: 19622

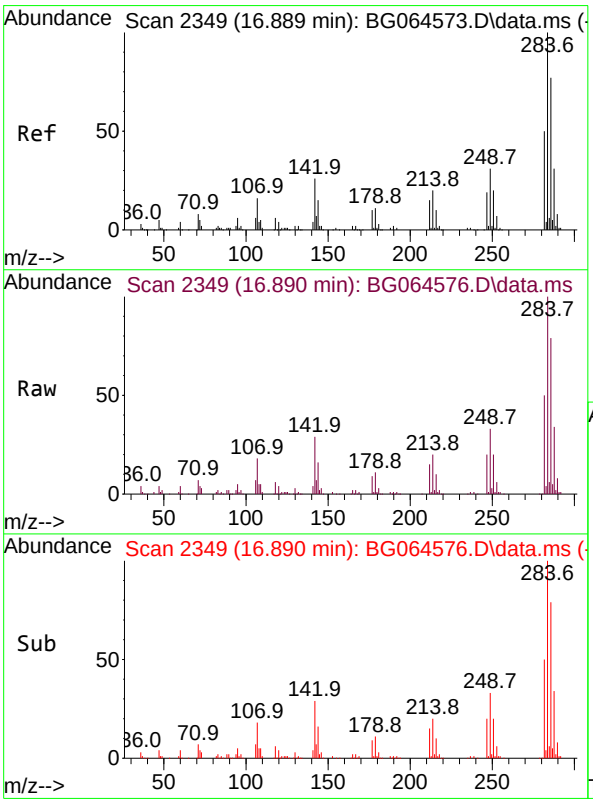
Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.7	116.5
141	59.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

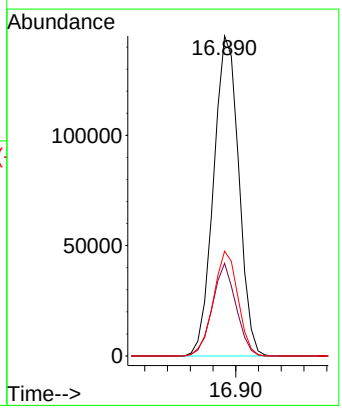
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

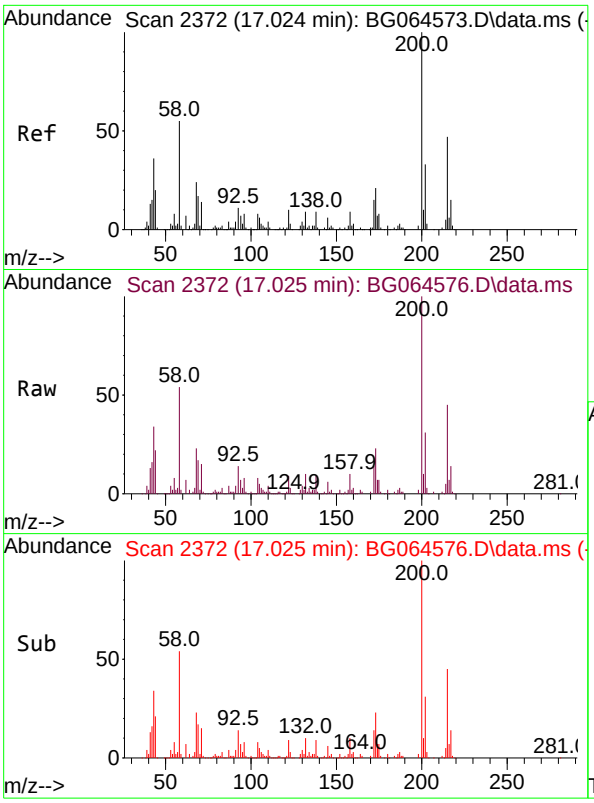


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

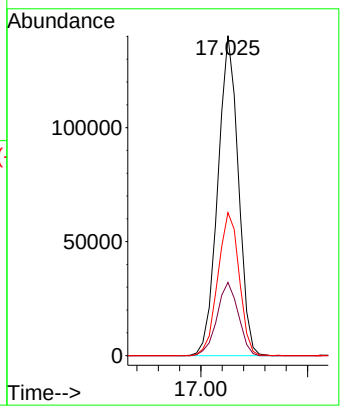




#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:200 Resp: 18786

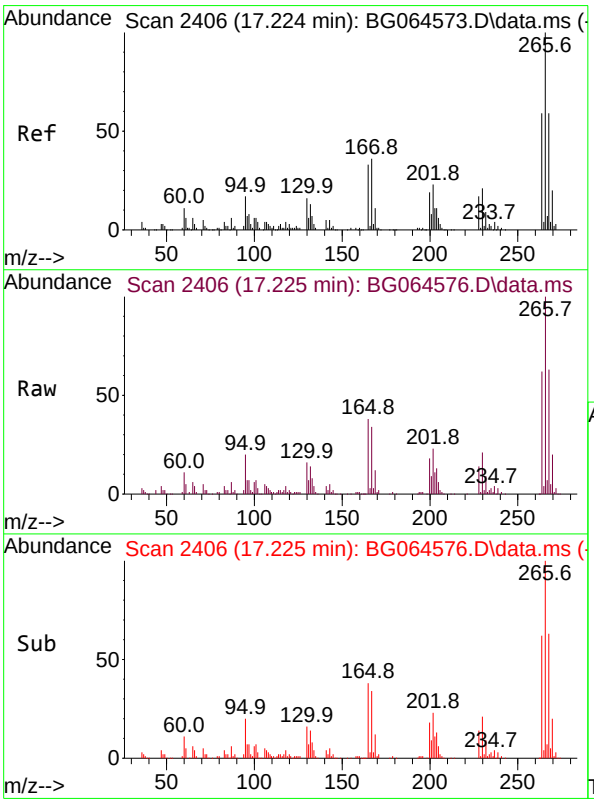
Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	44.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

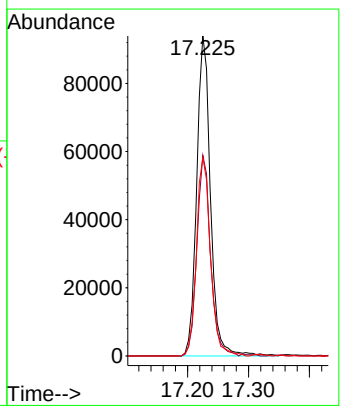
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

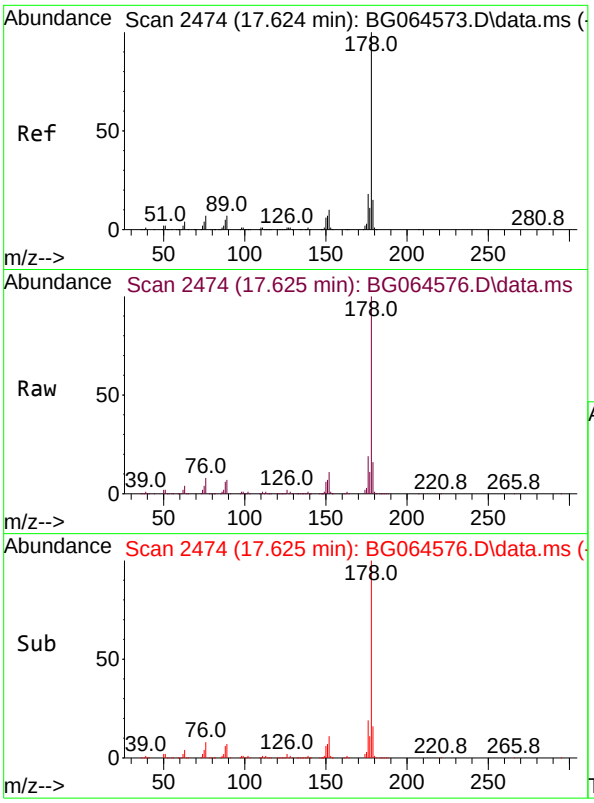


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

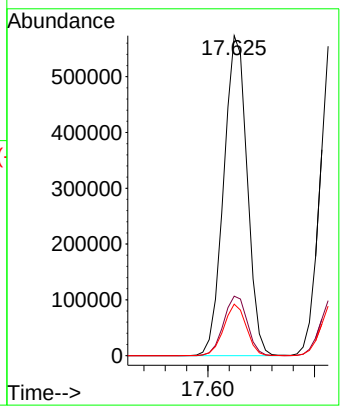




#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 87541

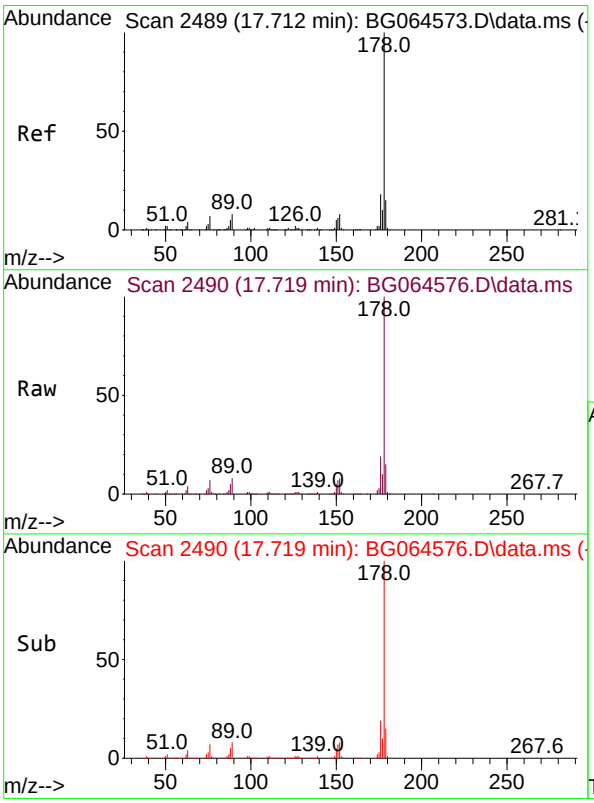
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

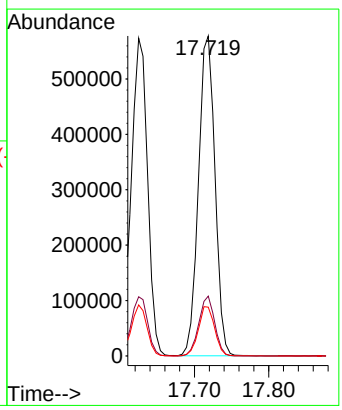
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

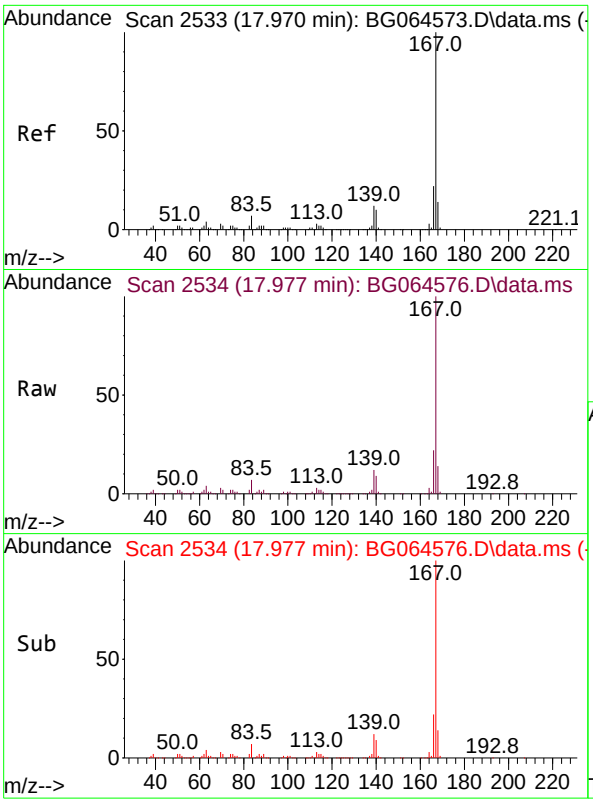


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

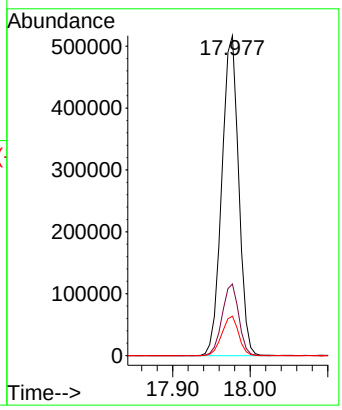




#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:167 Resp: 78103

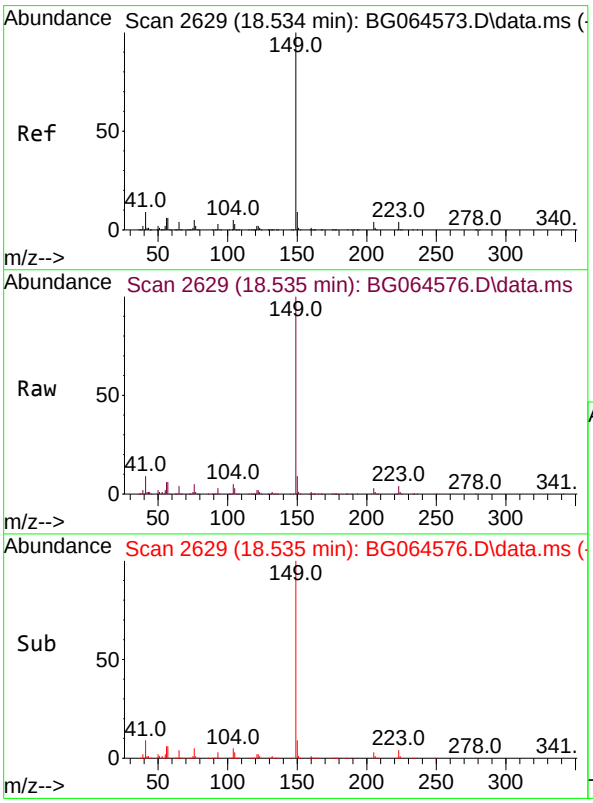
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.3	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

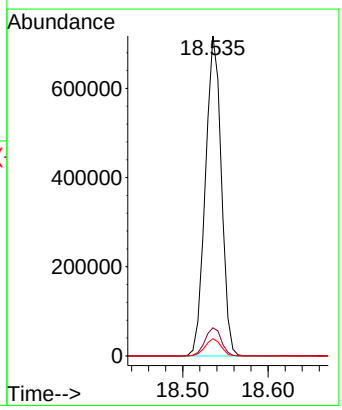
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

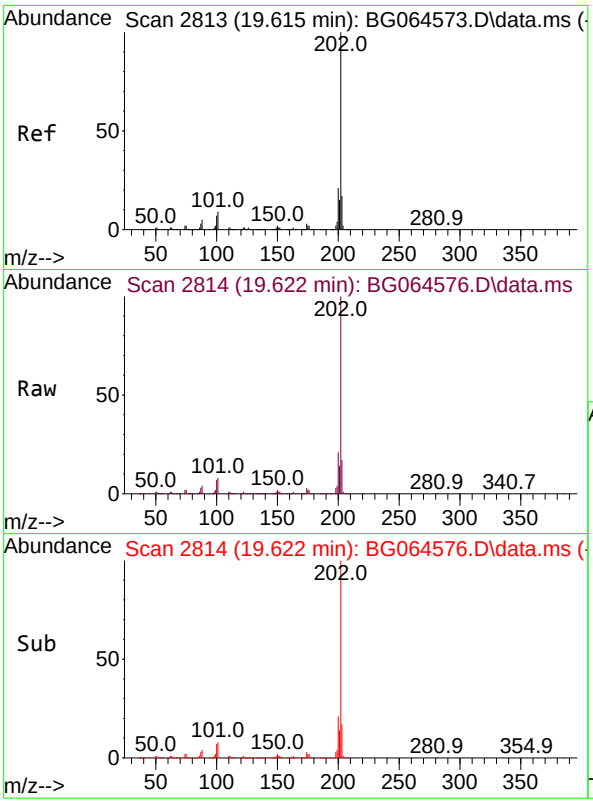


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

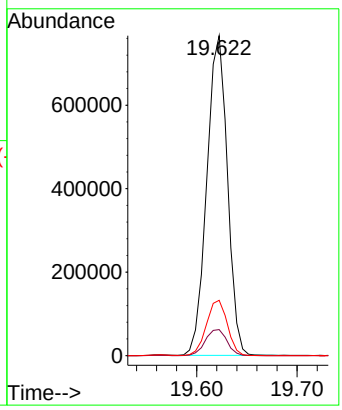




#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 109285

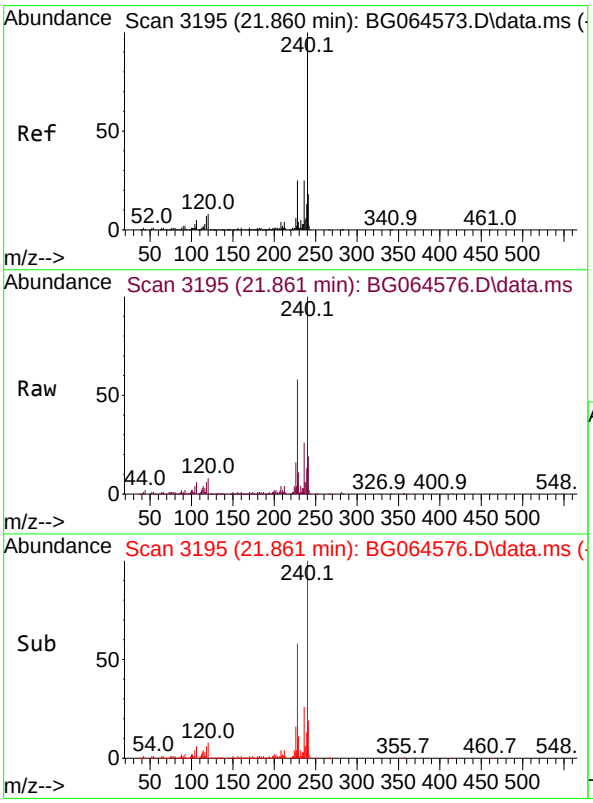
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

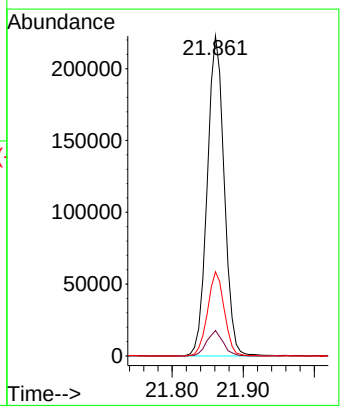
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

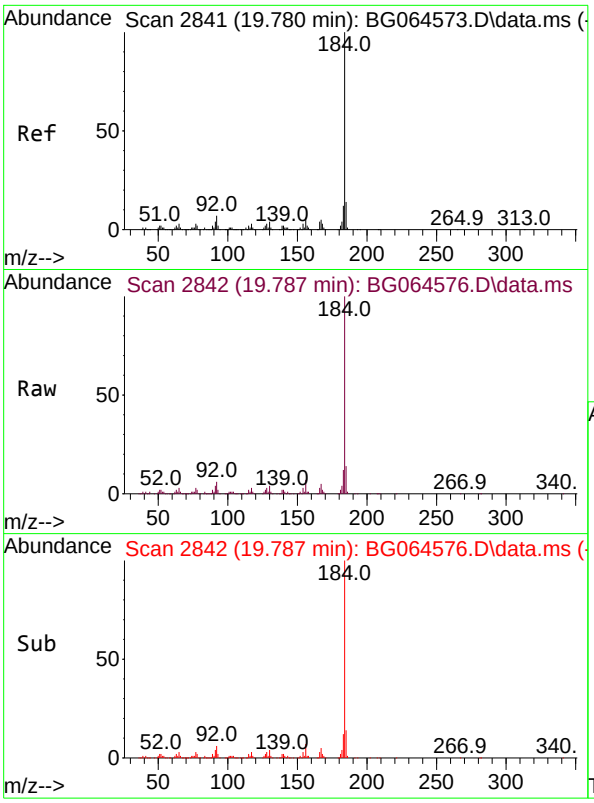


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

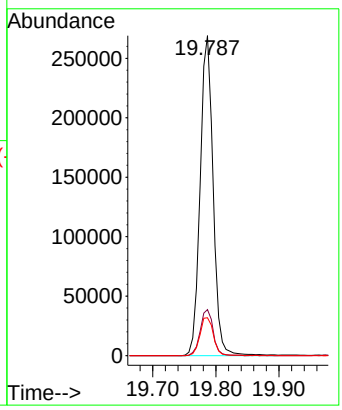




#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 28
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 382418

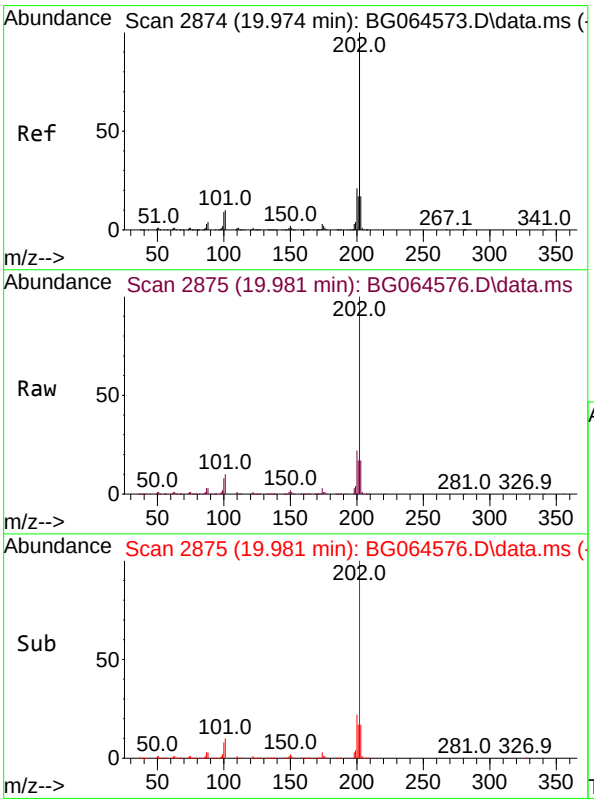
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

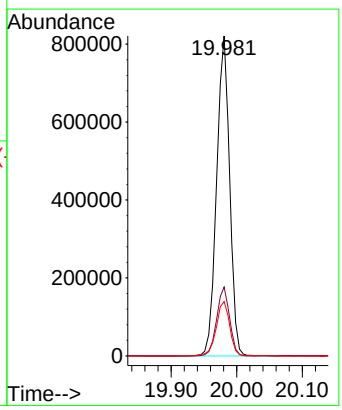
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

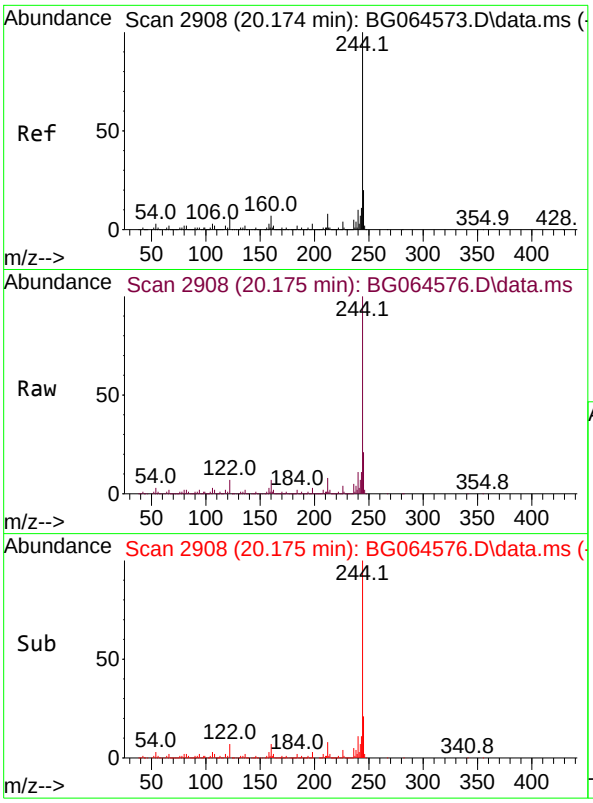


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

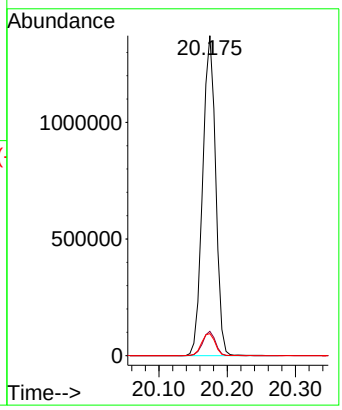




#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 29
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:244 Resp: 181466

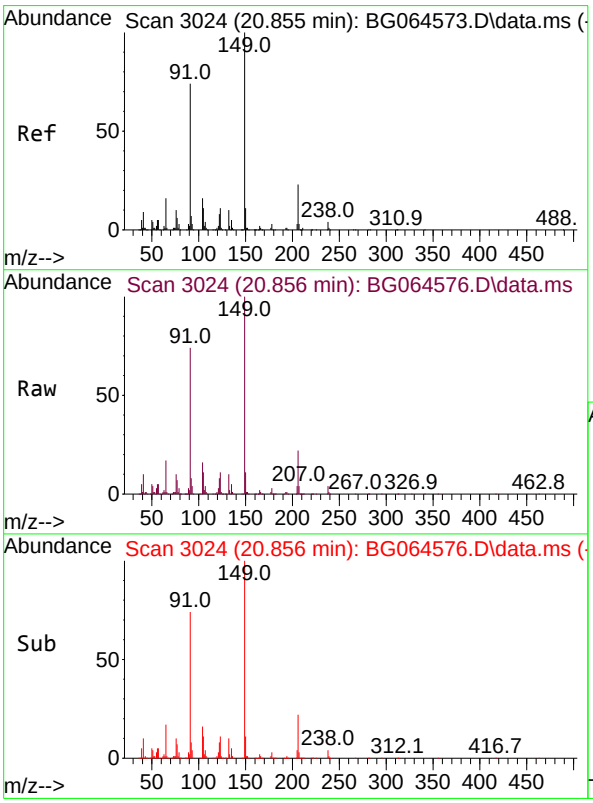
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.9	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

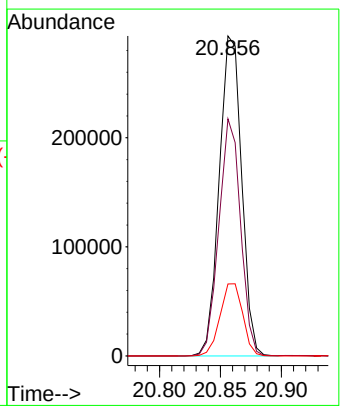
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

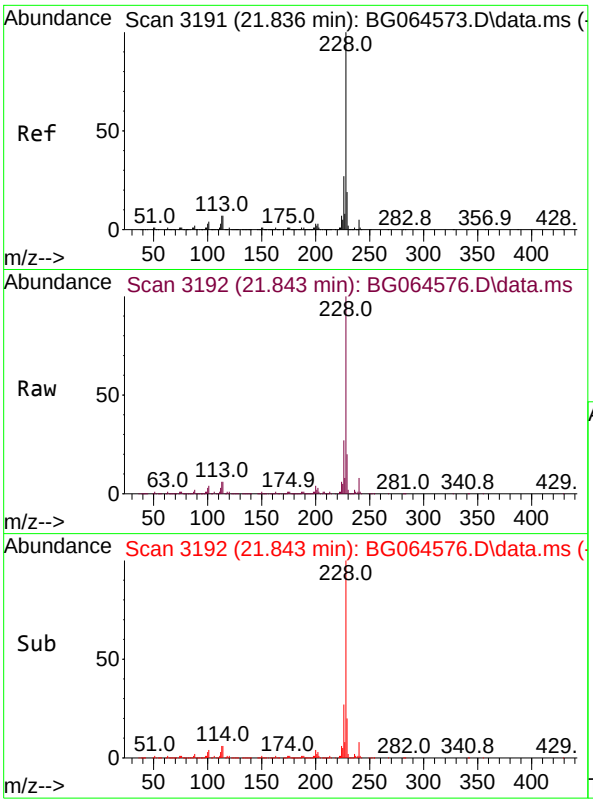


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

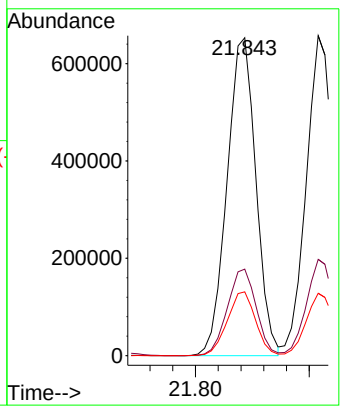




#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 115124

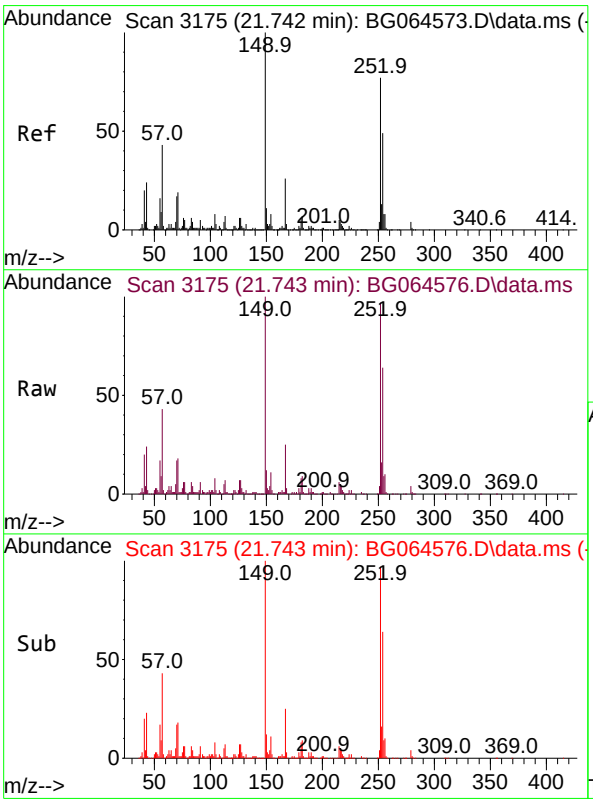
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

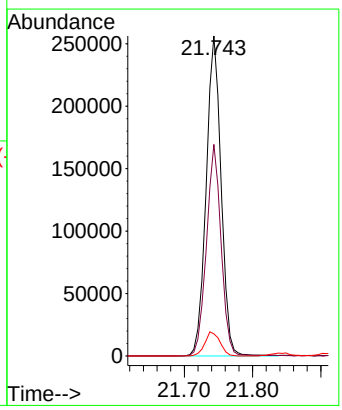
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

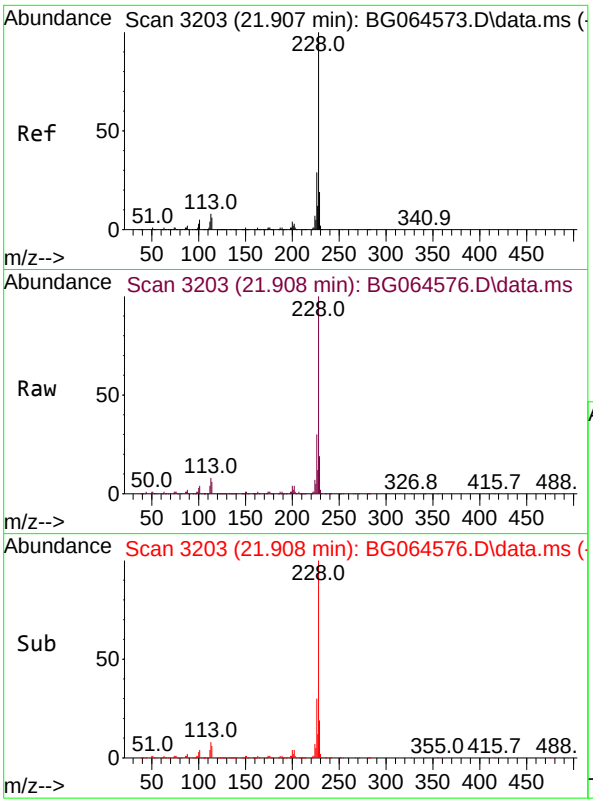


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

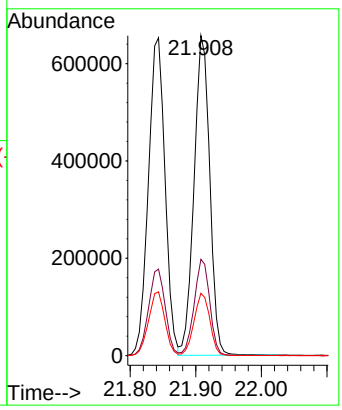




#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

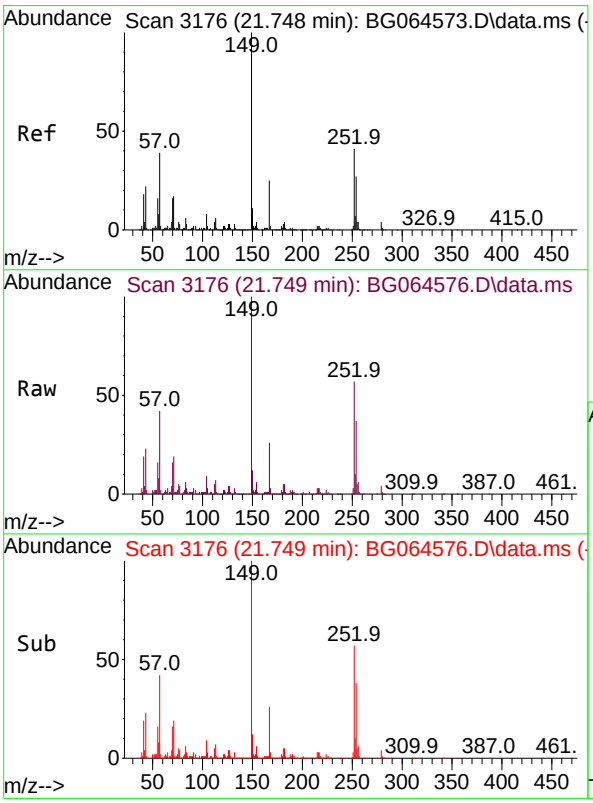
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

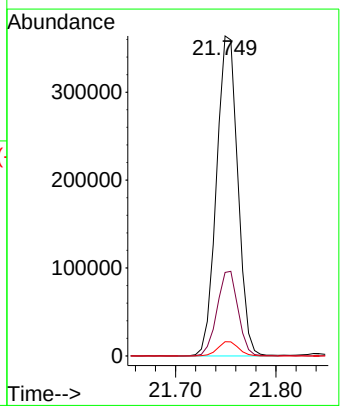
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

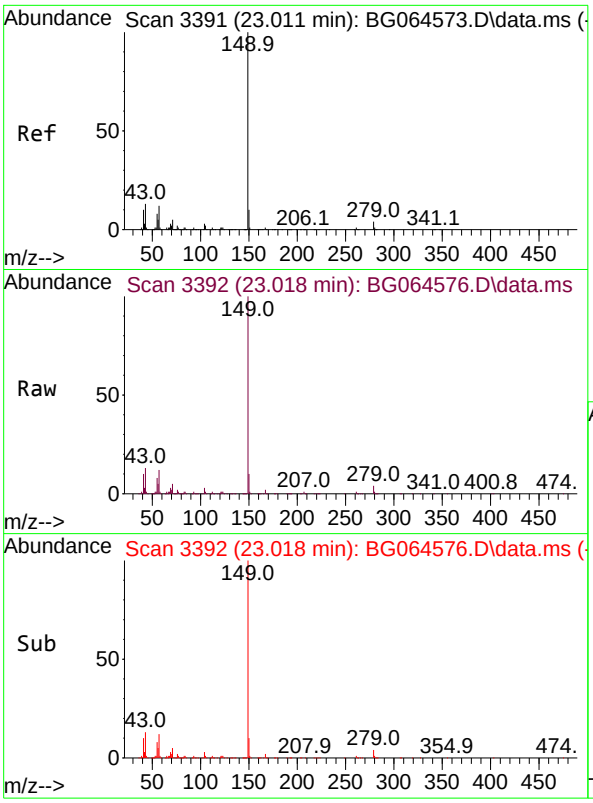


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

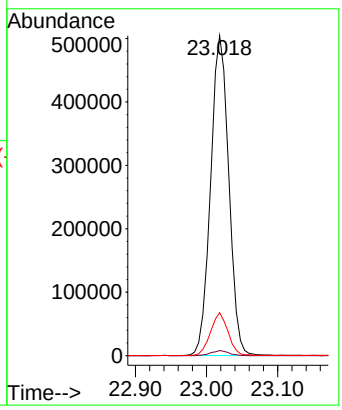
Tgt Ion:149 Resp: 89676

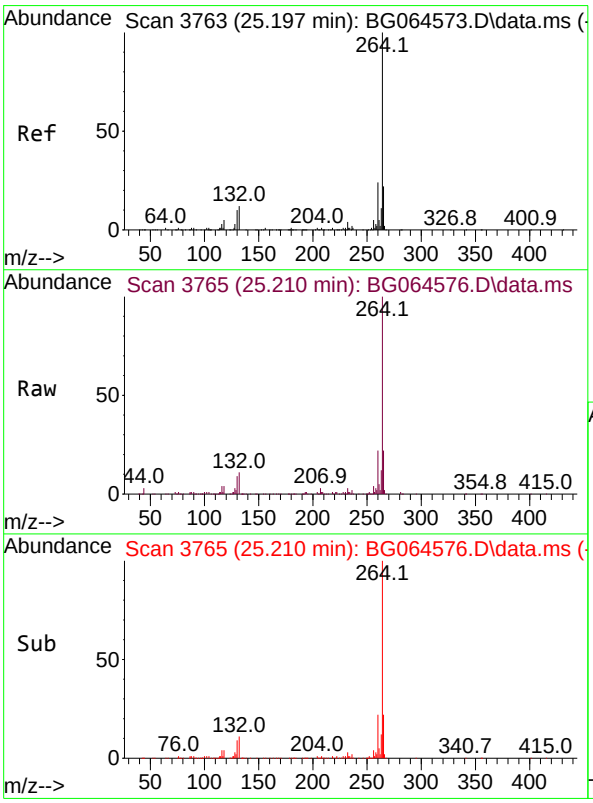
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

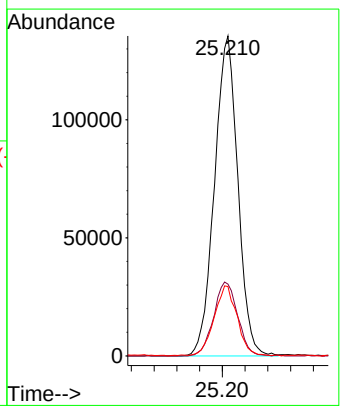


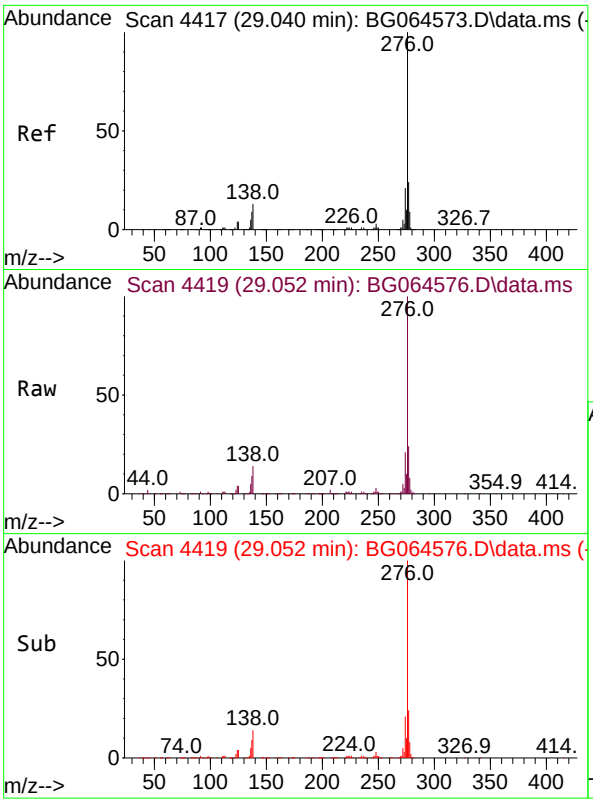


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

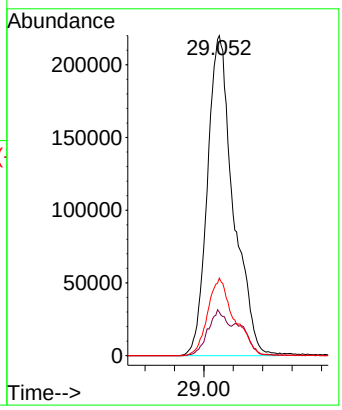




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 134618

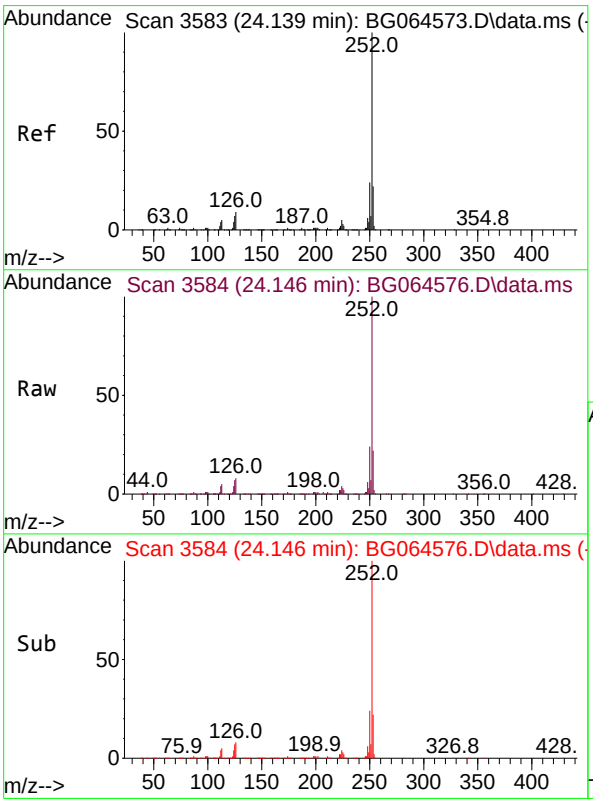
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	24.8	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

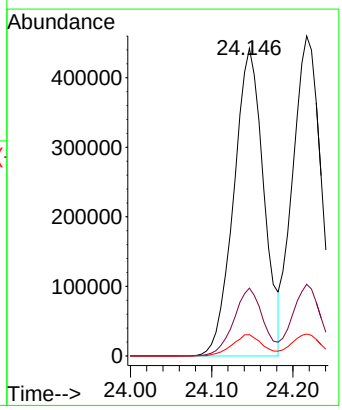
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

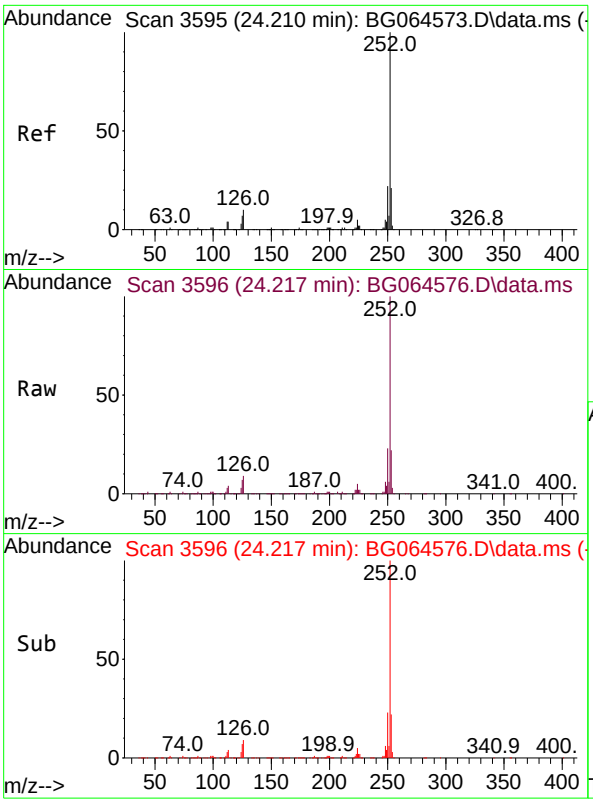


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

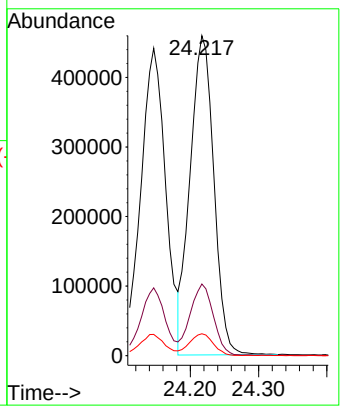




#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 111049

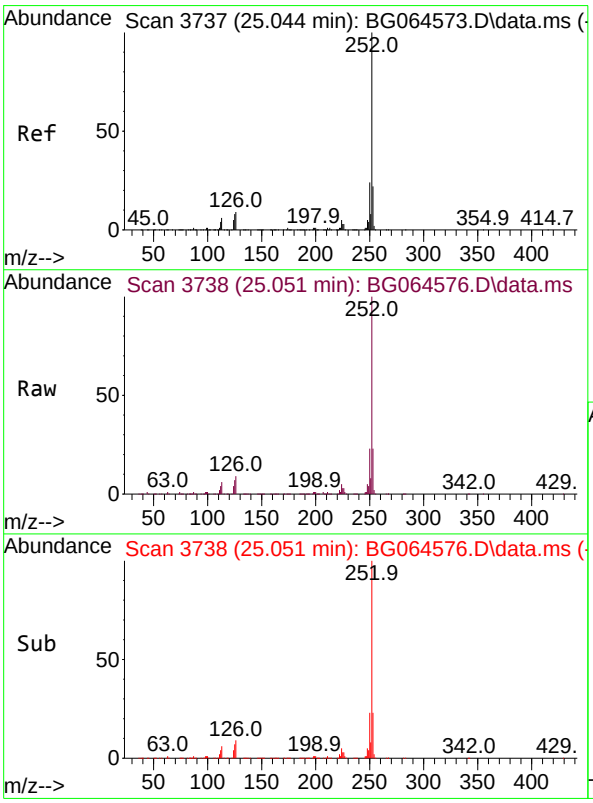
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.8	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

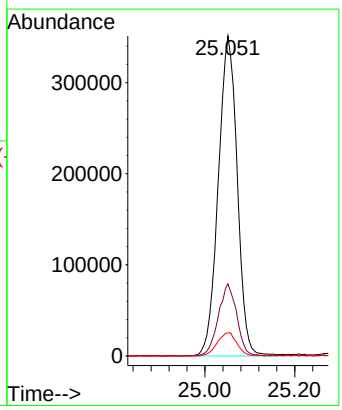
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

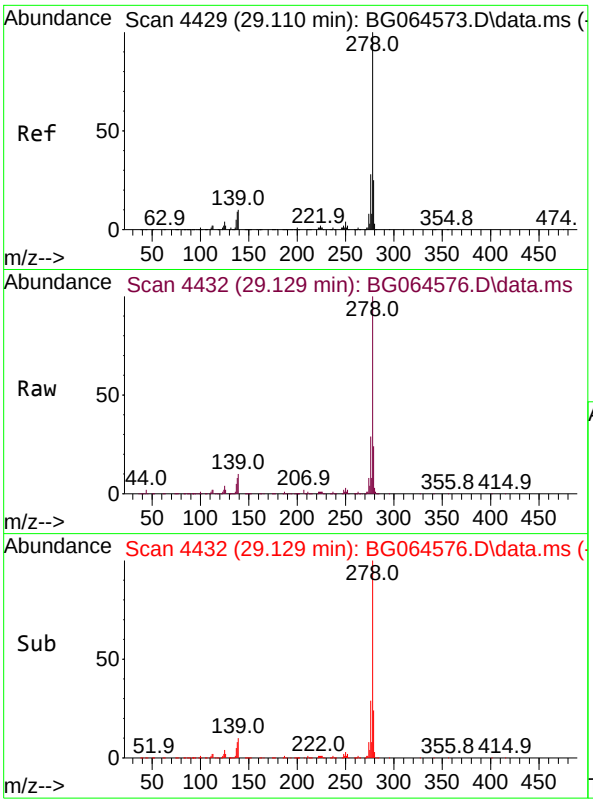


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

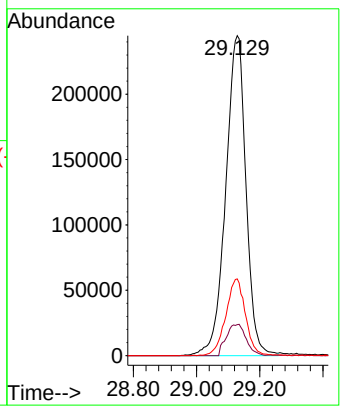




#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 44
Delta R.T. 0.019 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:278 Resp: 109040

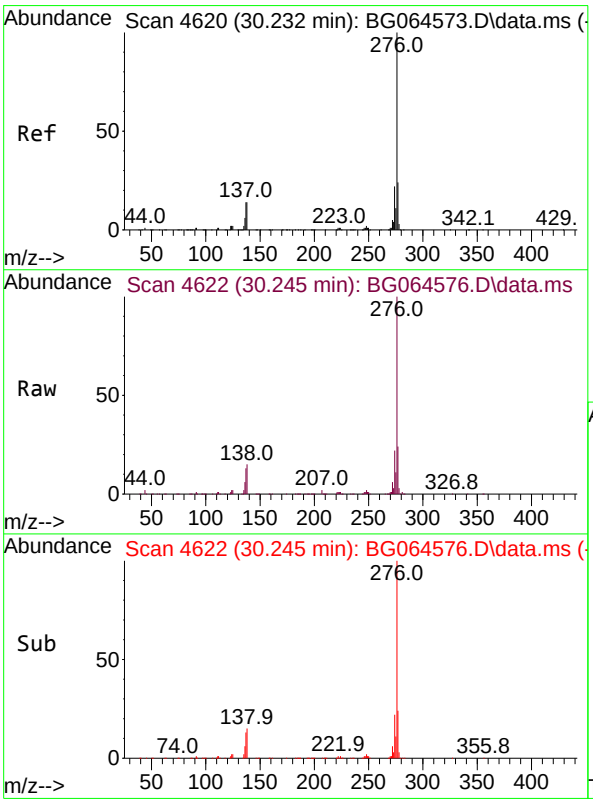
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

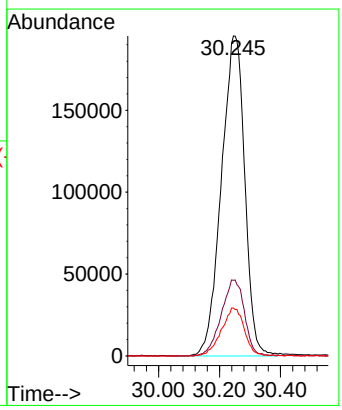
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#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

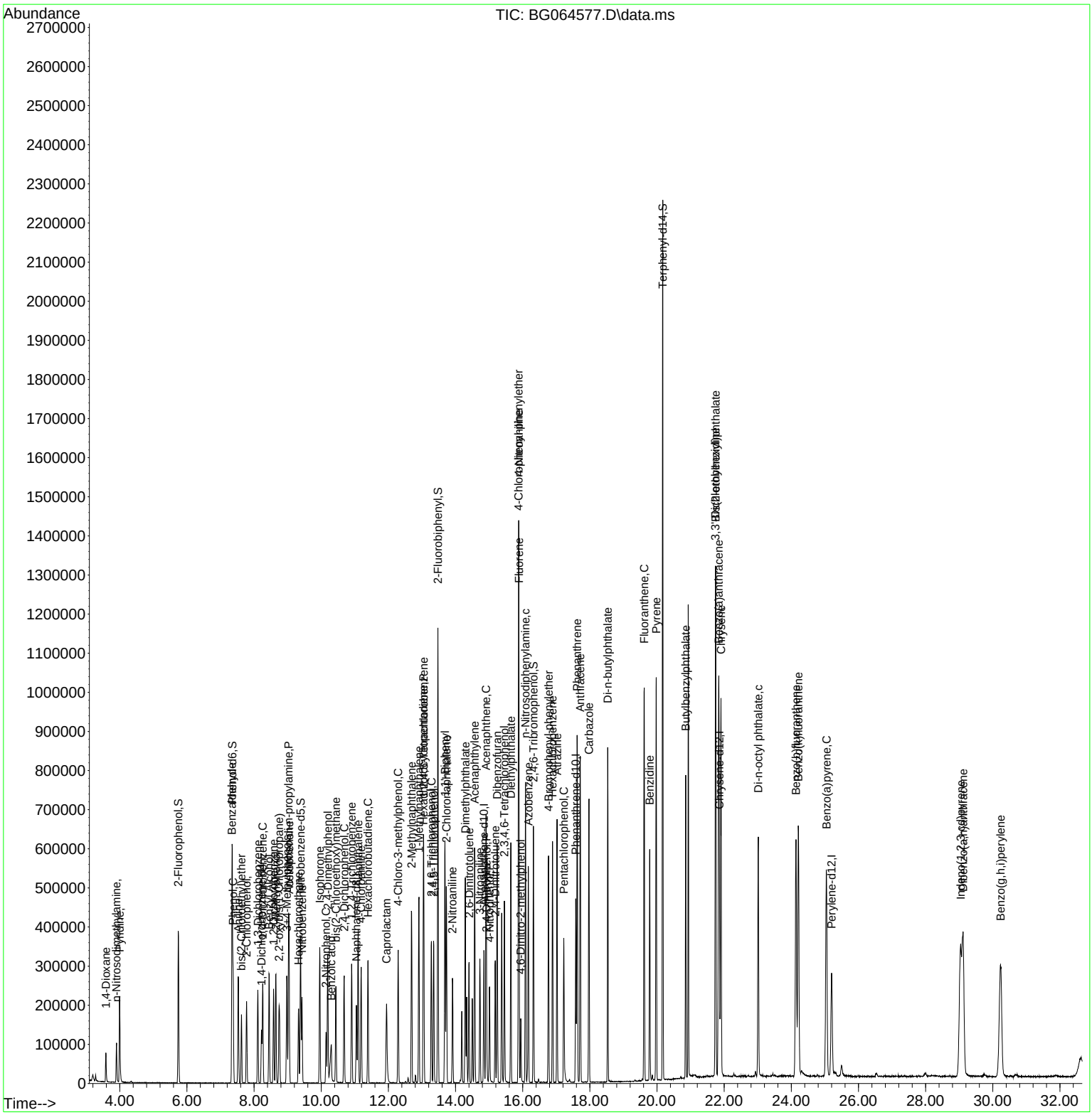
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng		99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng		99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng		97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng		96
49) Acenaphthylene	14.568	152	435836	41.457	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

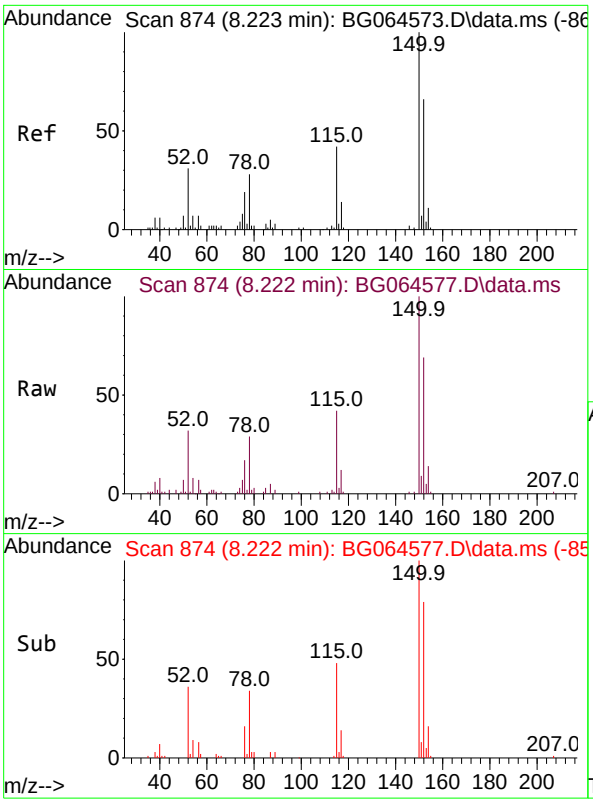
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



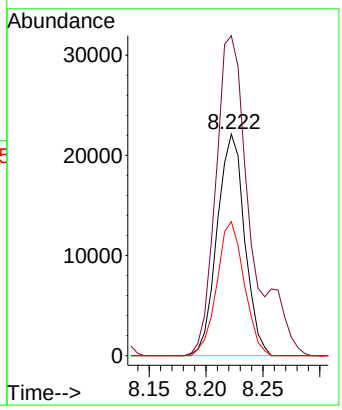


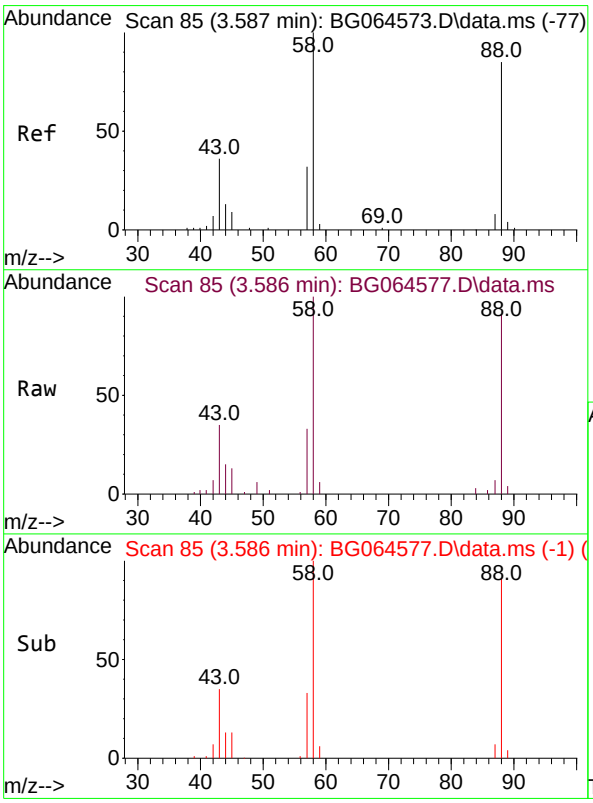
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

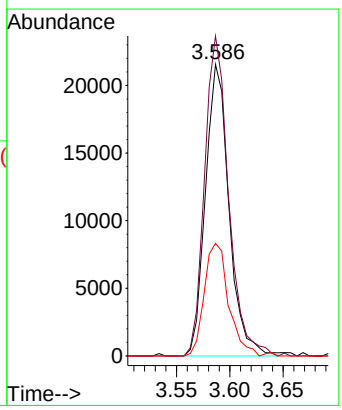


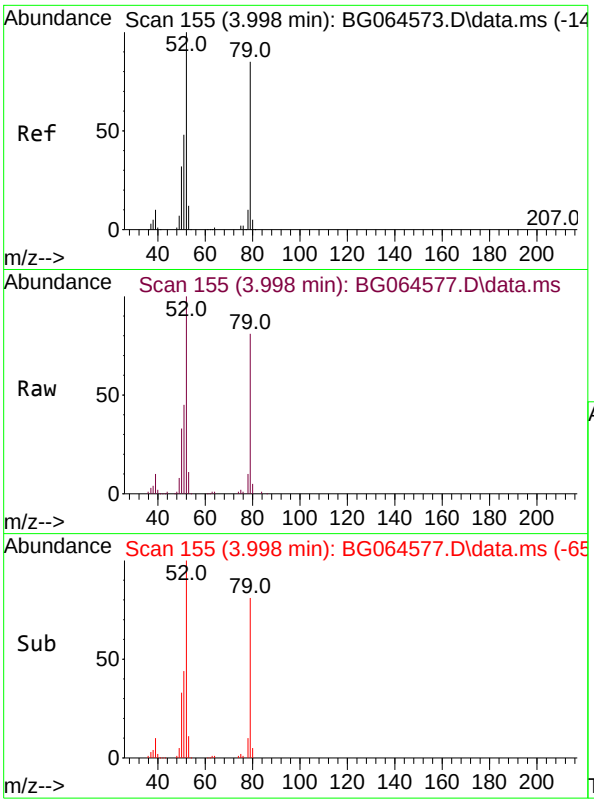


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



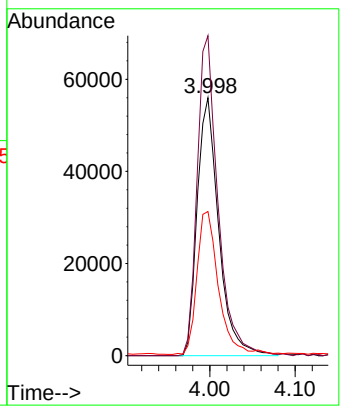


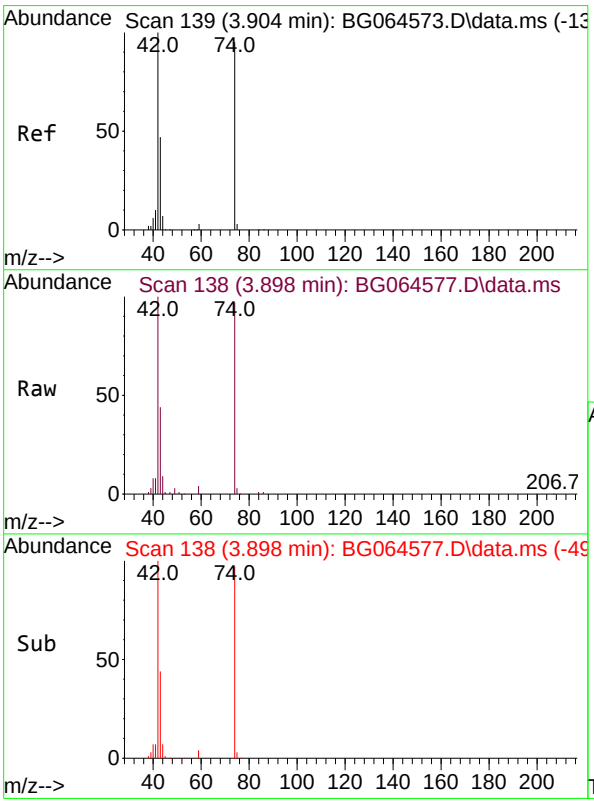
#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

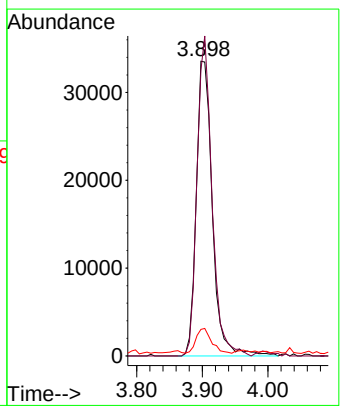


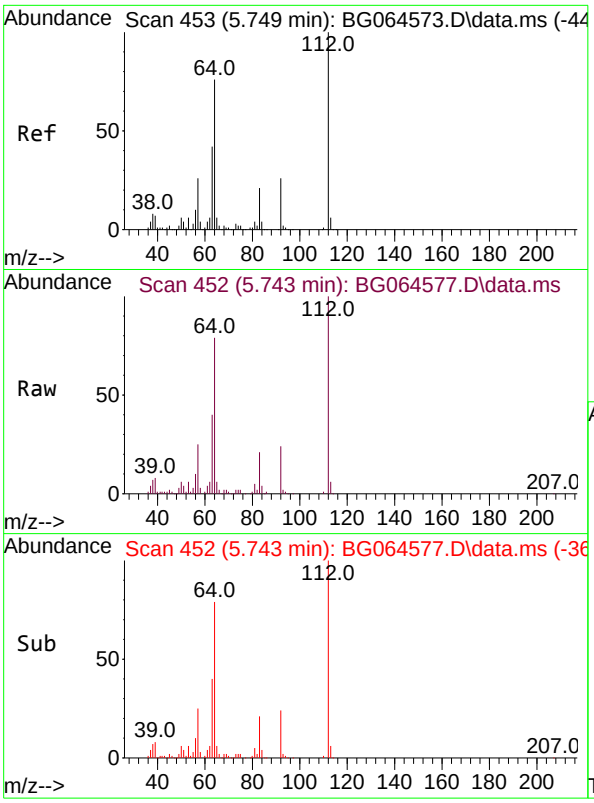


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



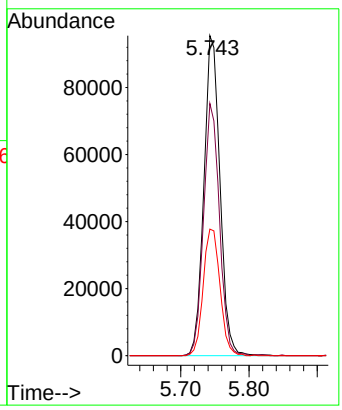


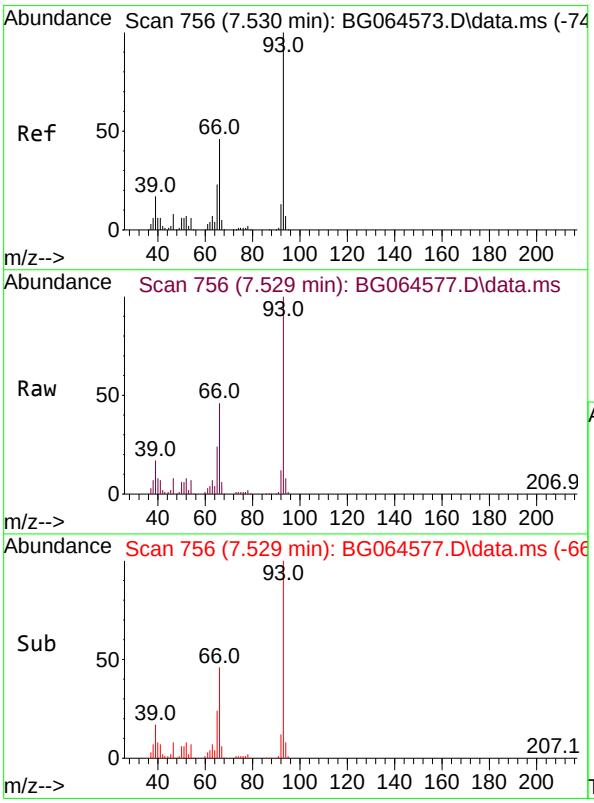
#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

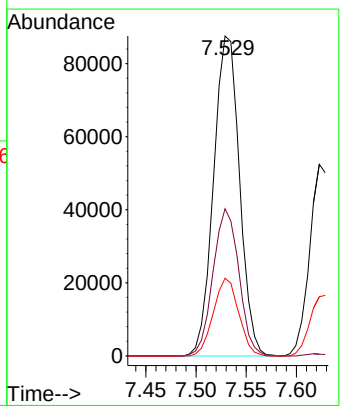


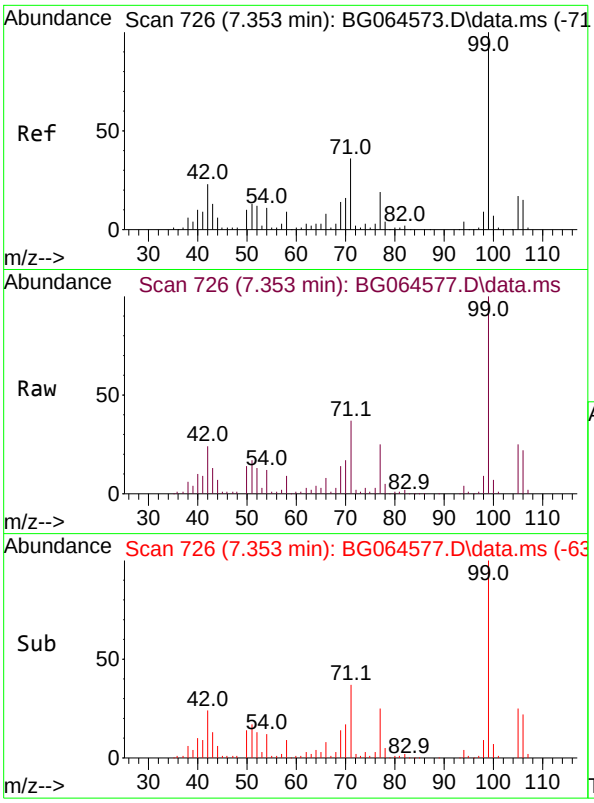


#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



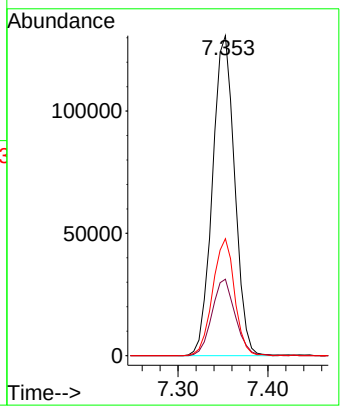


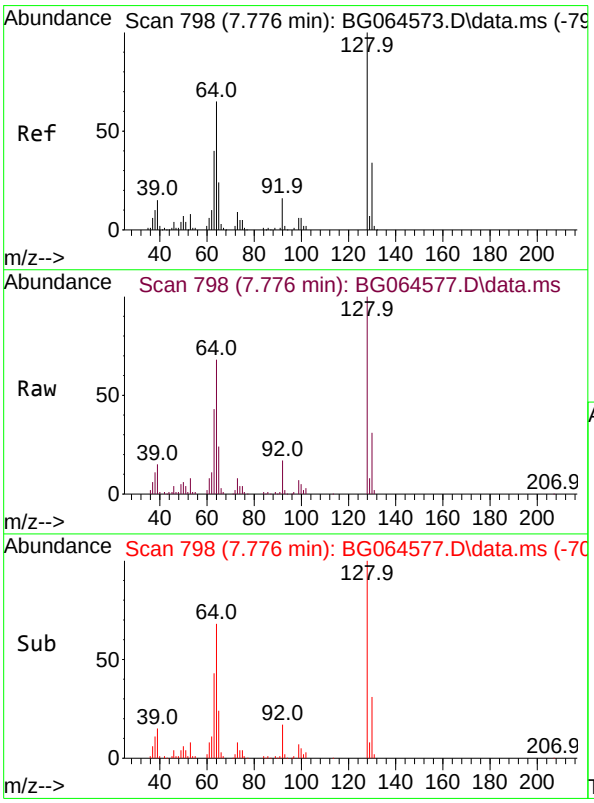
#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

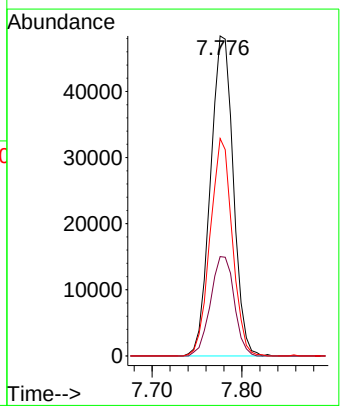


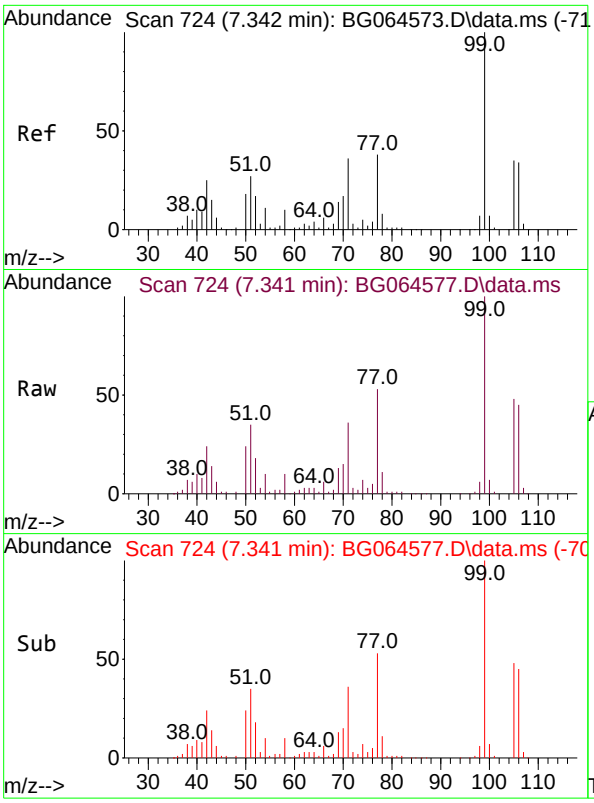


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



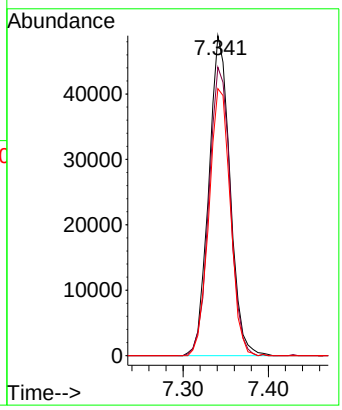


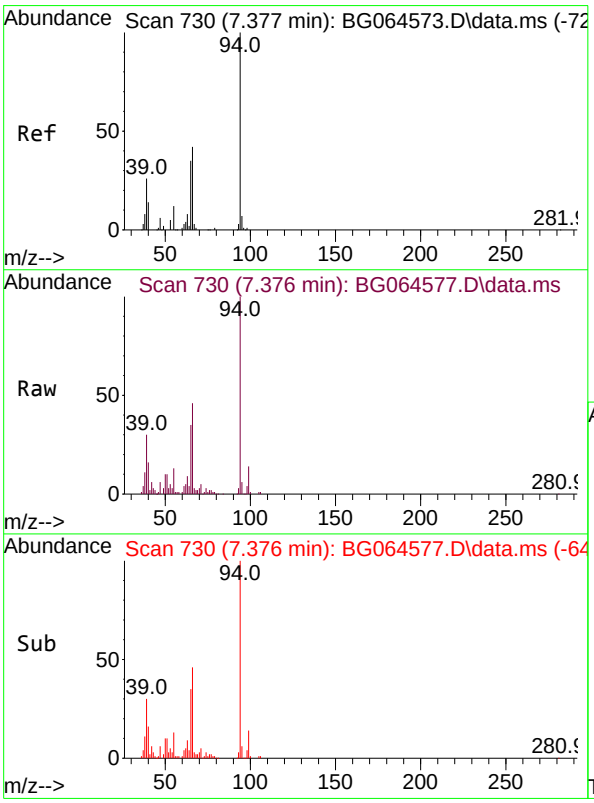
#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

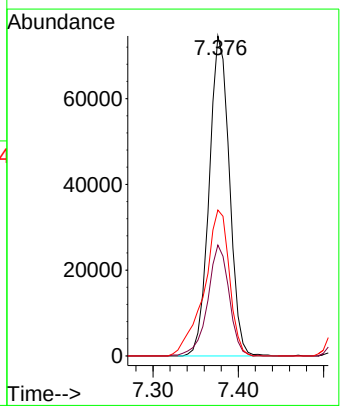


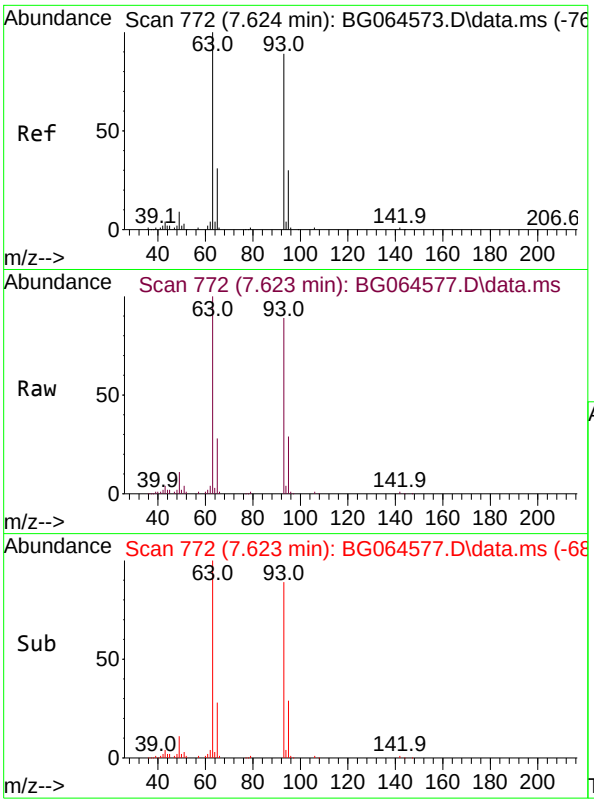


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



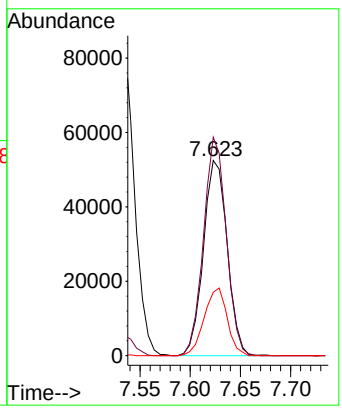


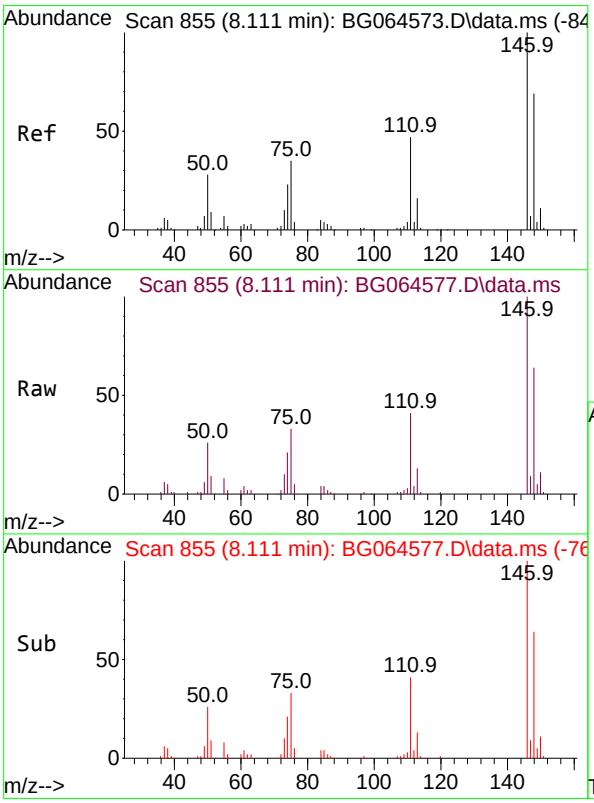
#11
bis(2-Chloroethyl)ether
Concen: 34.973 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

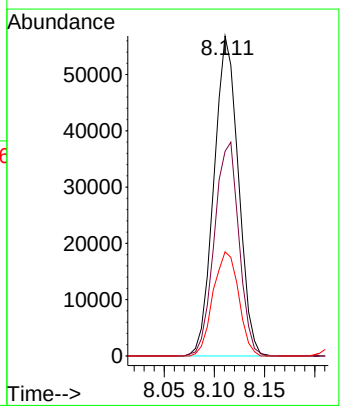


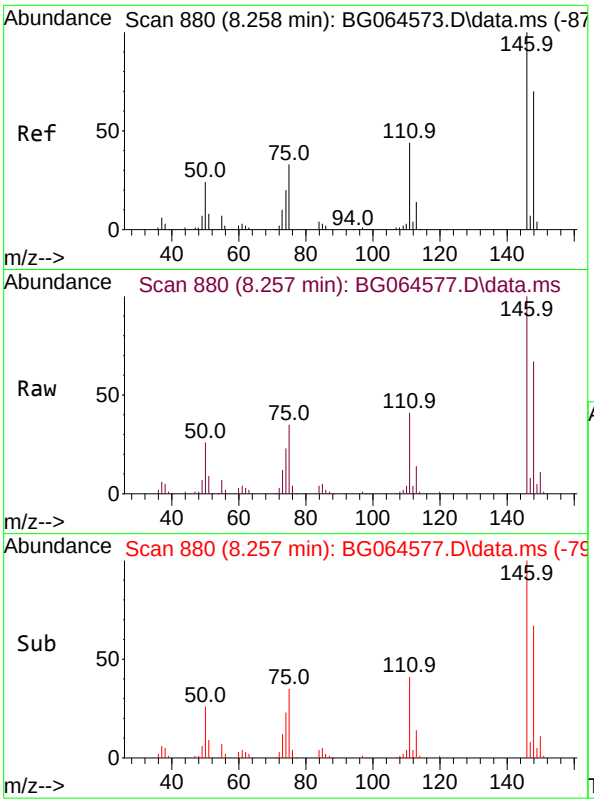


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



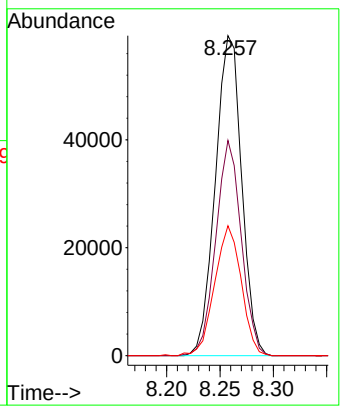


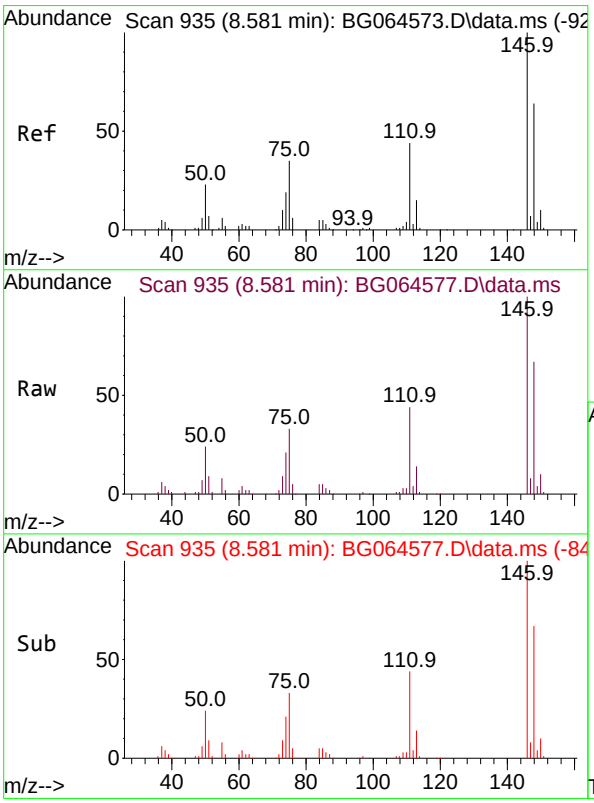
#13
1,4-Dichlorobenzene
Concen: 37.634 ng
RT: 8.257 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

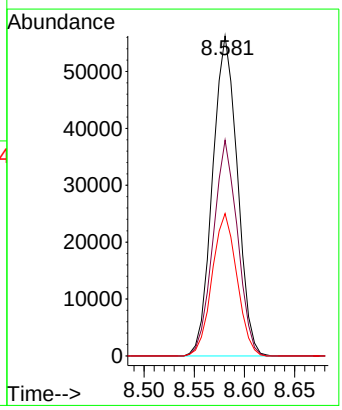


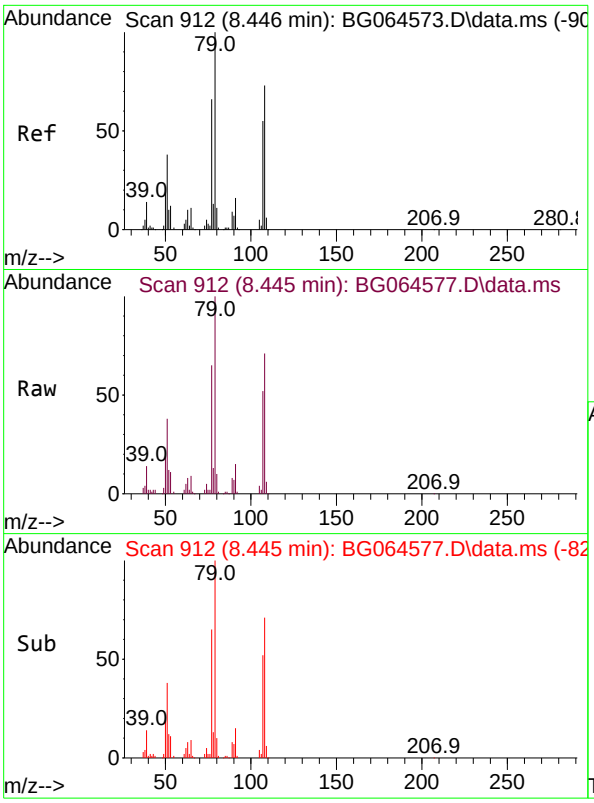


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



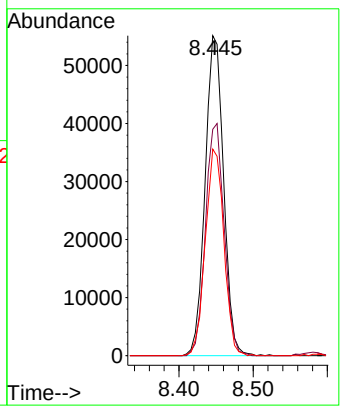


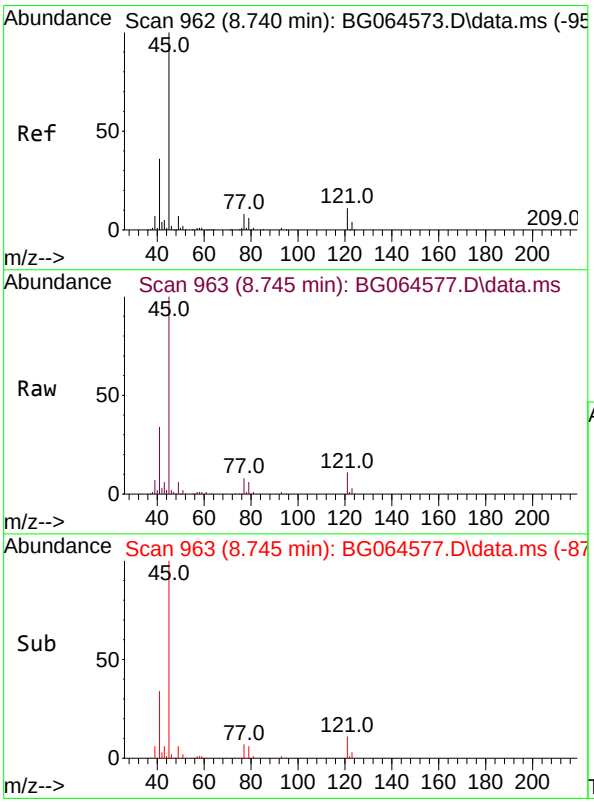
#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

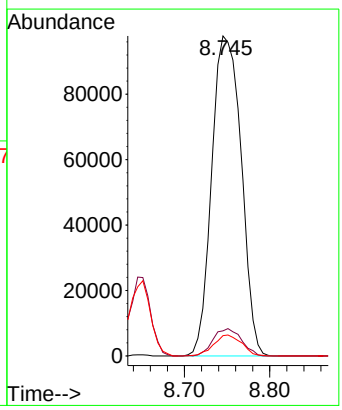


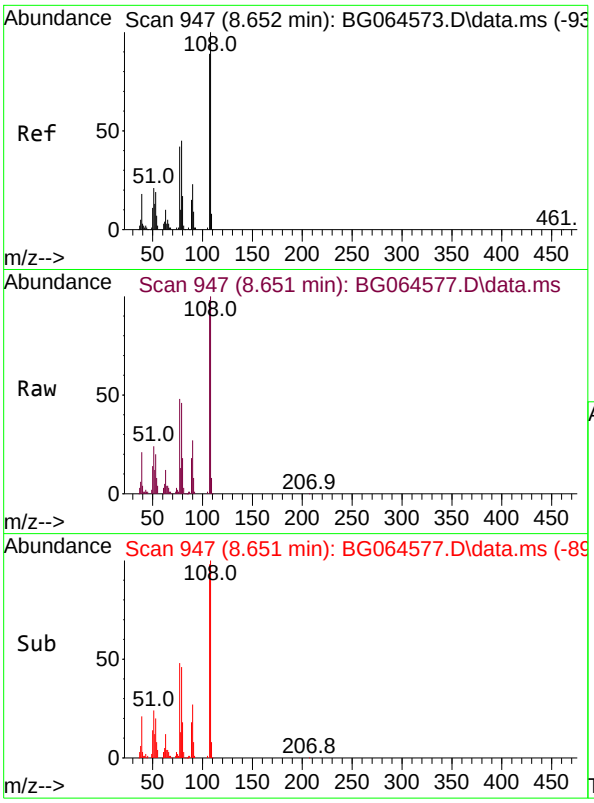


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



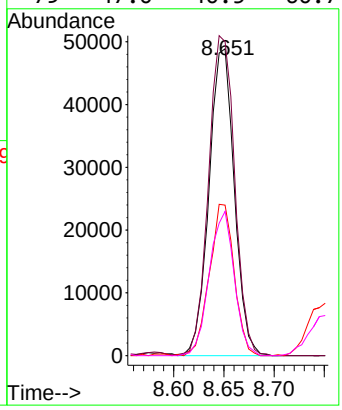


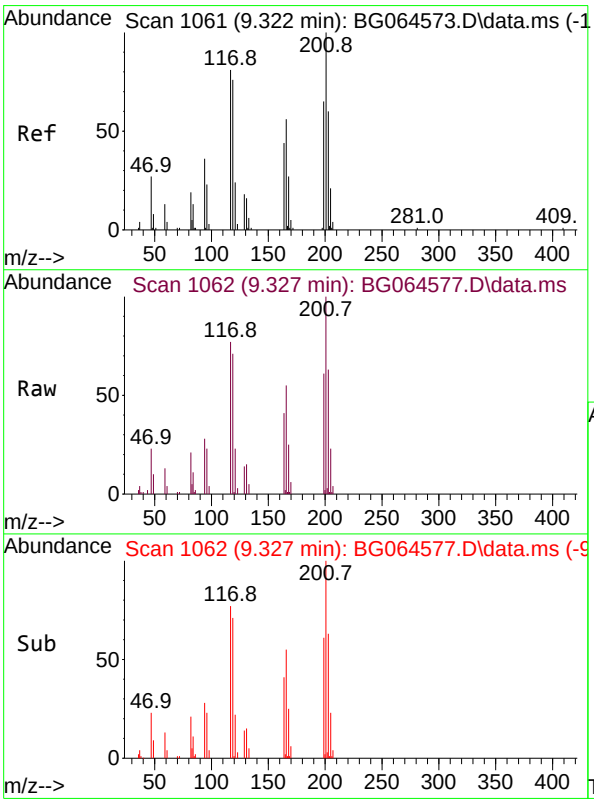
#17
2-Methylphenol
Concen: 38.466 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

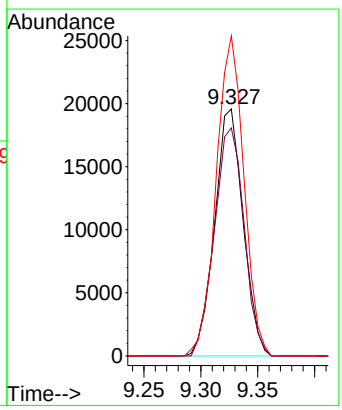


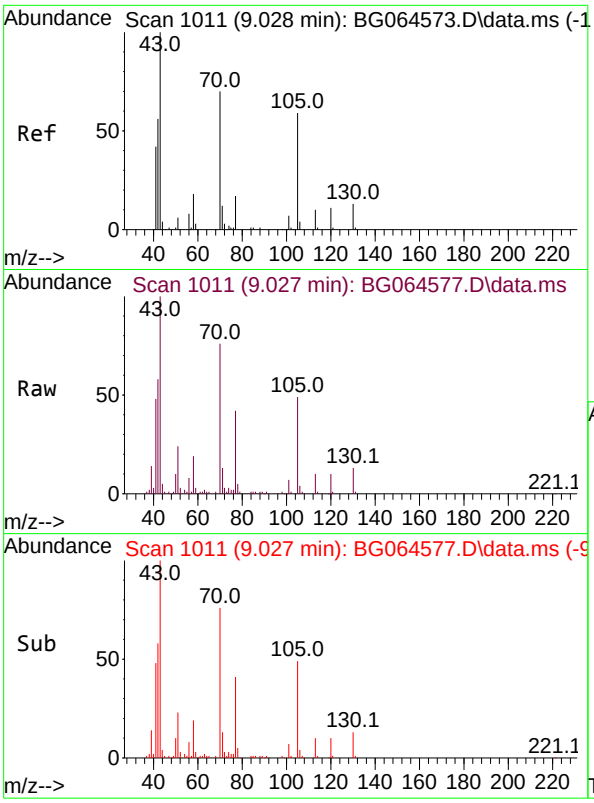


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



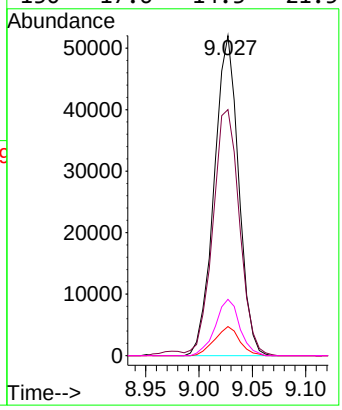


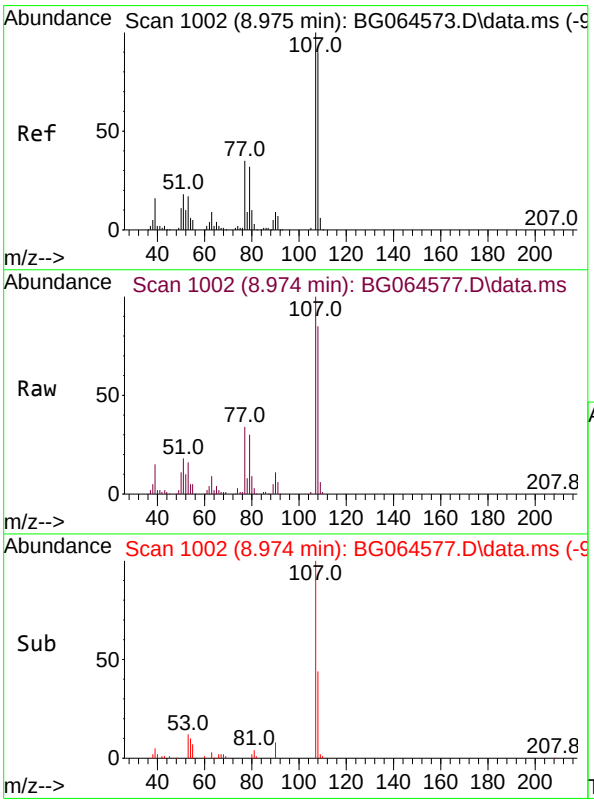
#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

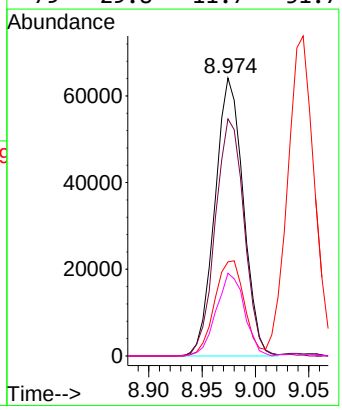


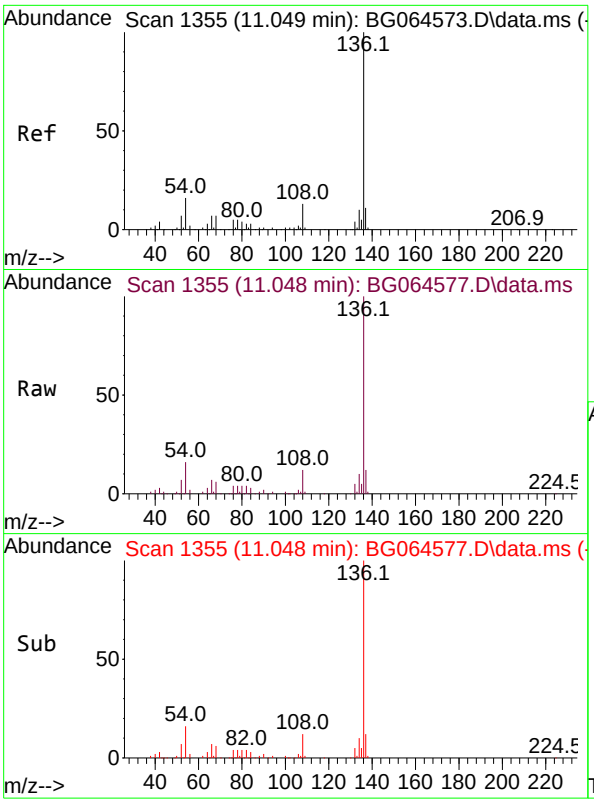


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



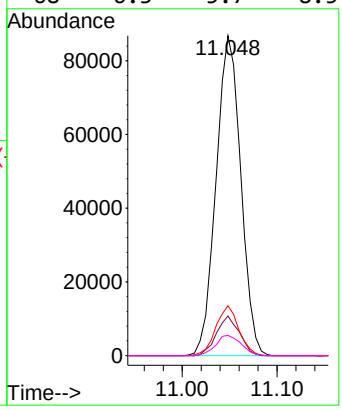


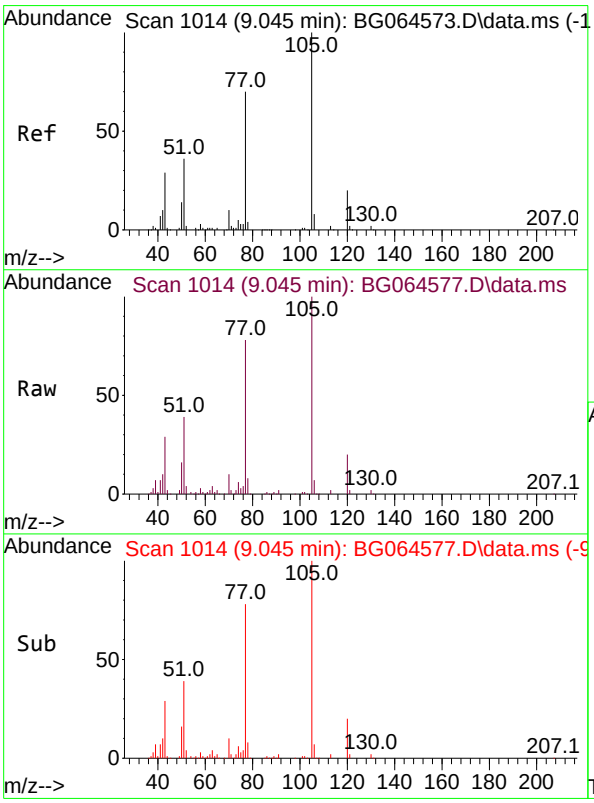
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

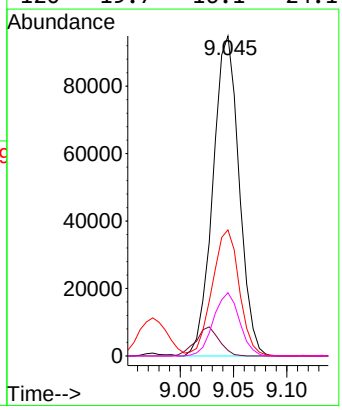


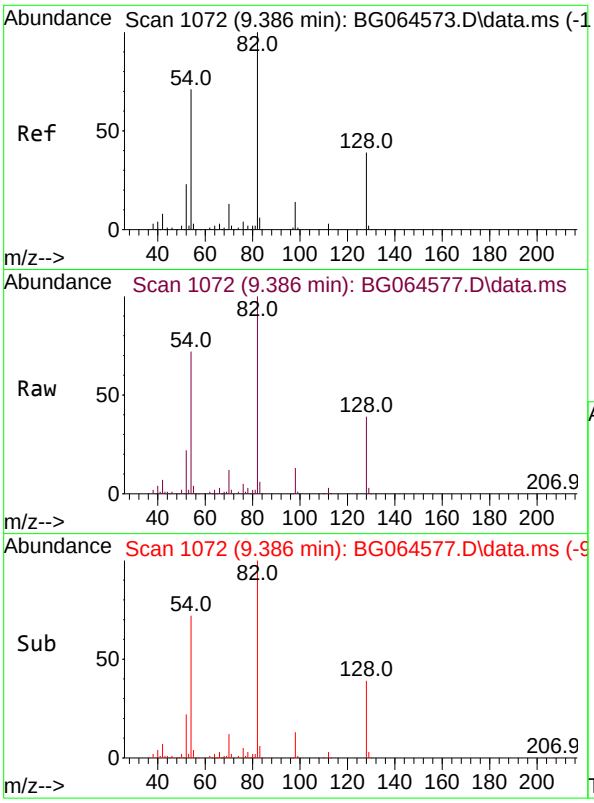


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



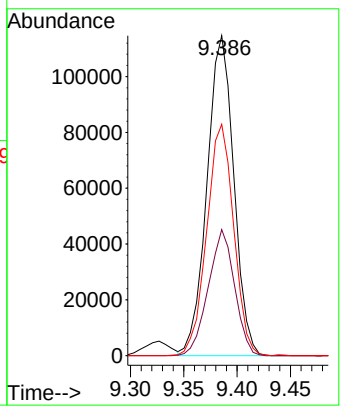


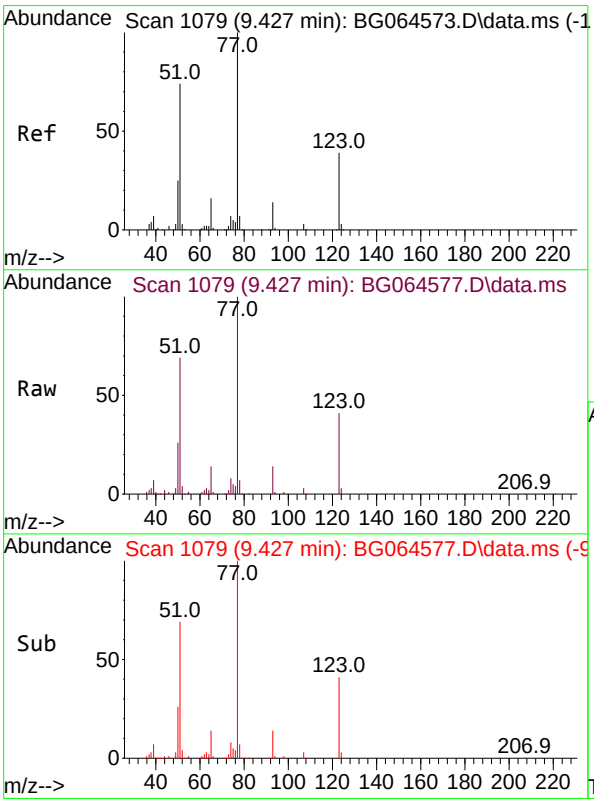
#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

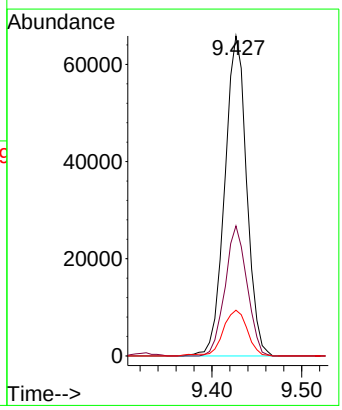


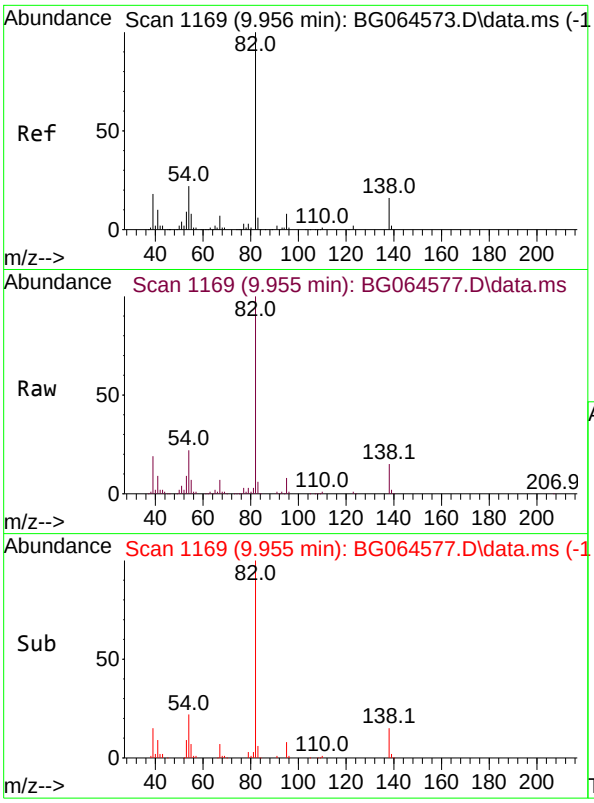


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



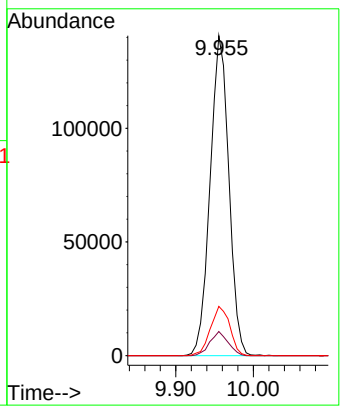


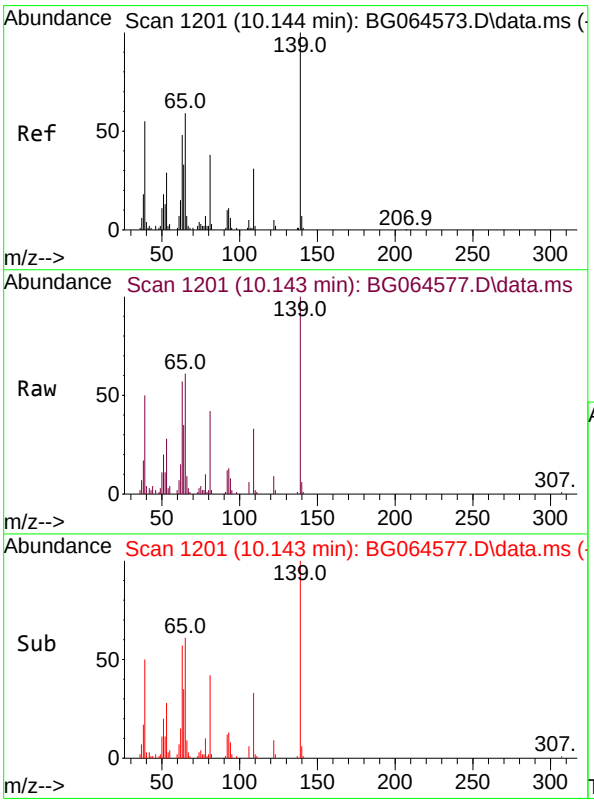
#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

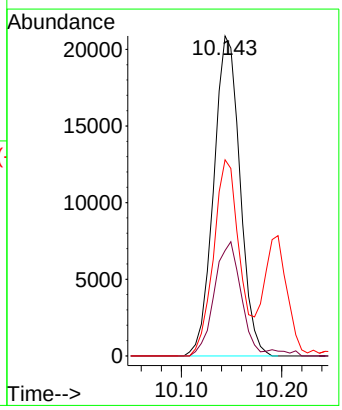


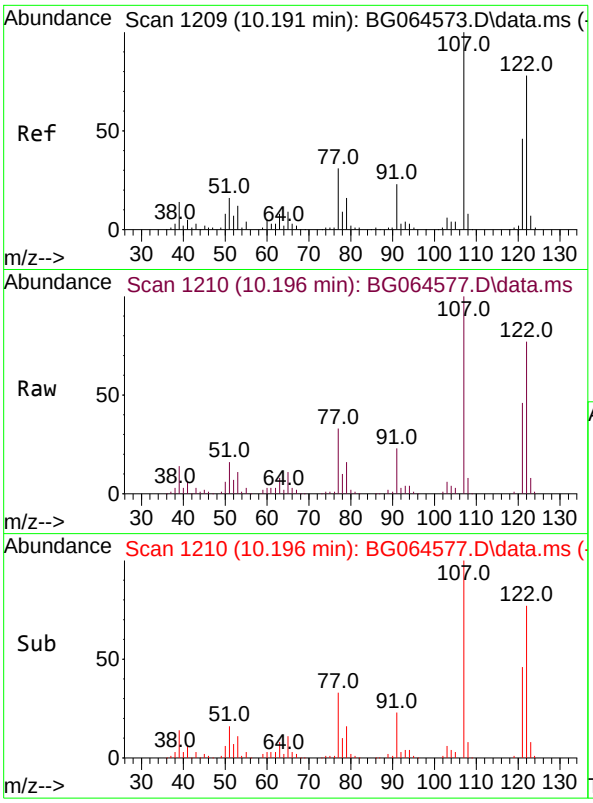


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



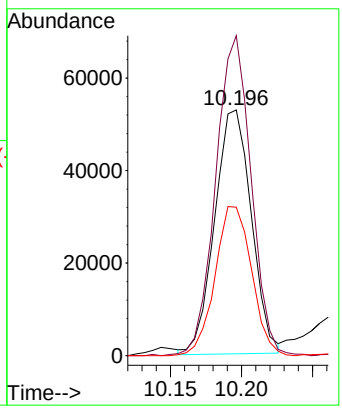


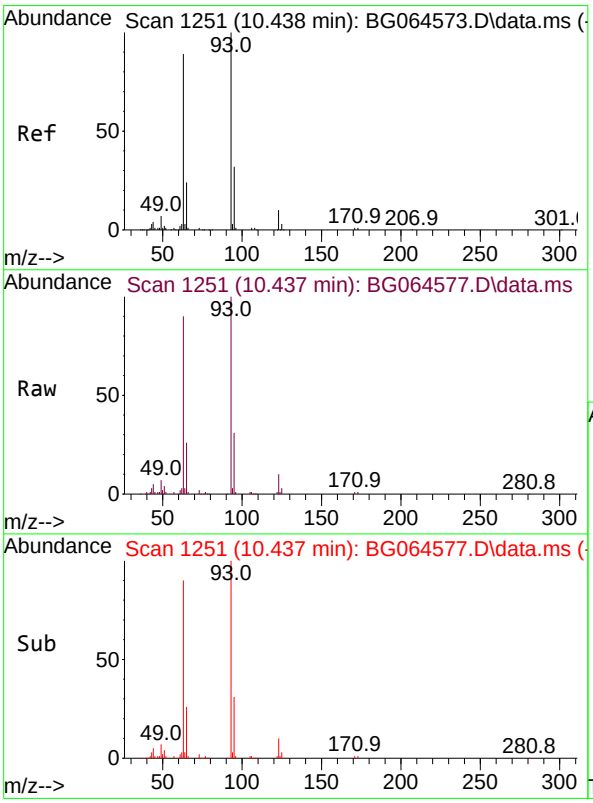
#27
2,4-Dimethylphenol
Concen: 40.491 ng
RT: 10.196 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

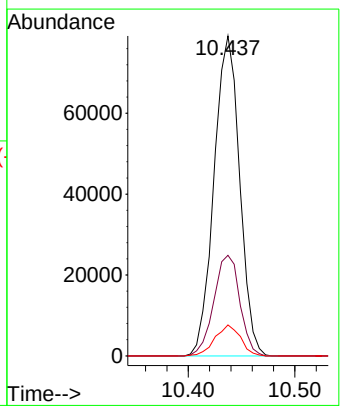


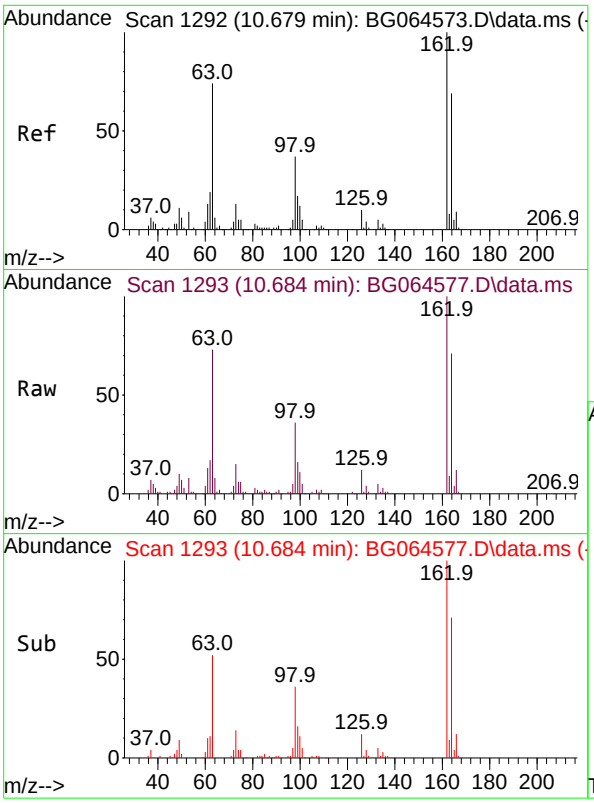


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



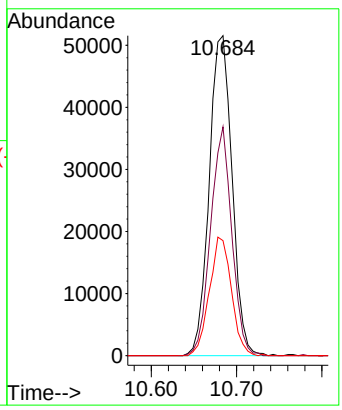


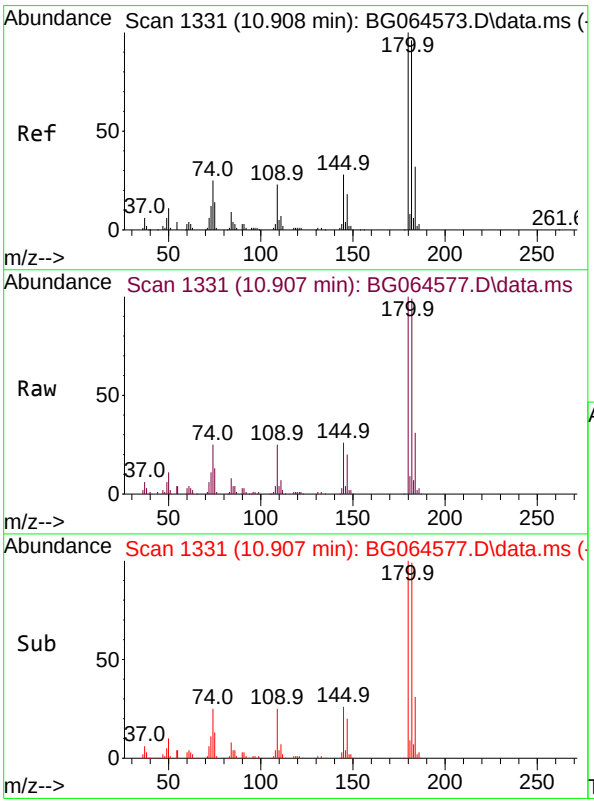
#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

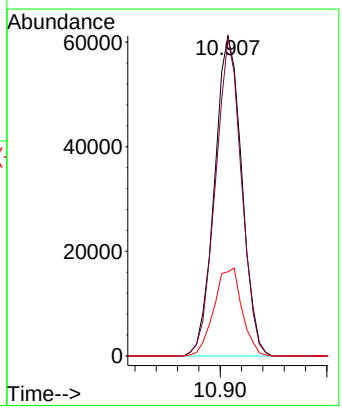


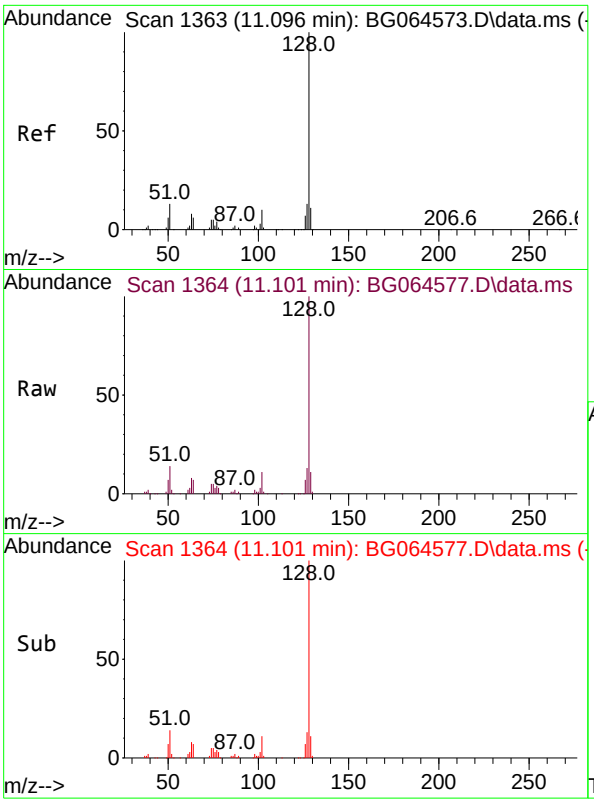


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



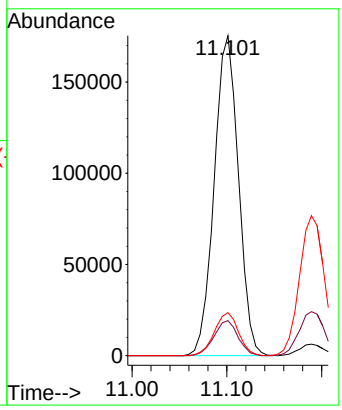


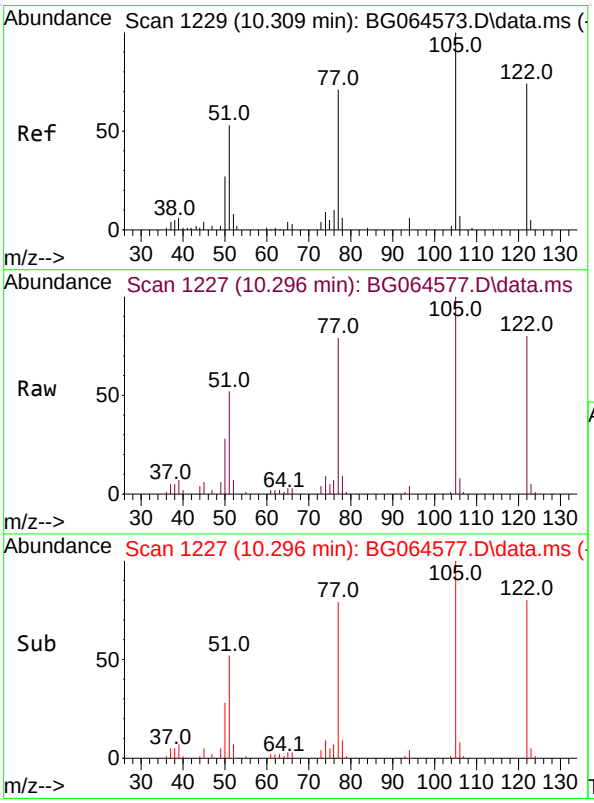
#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

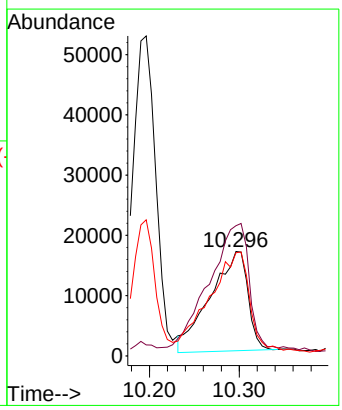


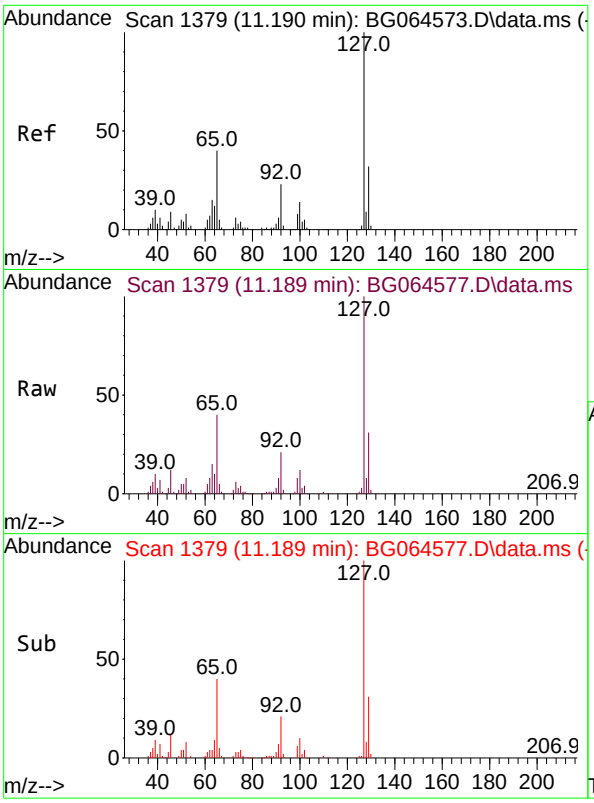


#32
Benzoic acid
Concen: 29.620 ng
RT: 10.296 min Scan# 1227
Delta R.T. -0.013 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



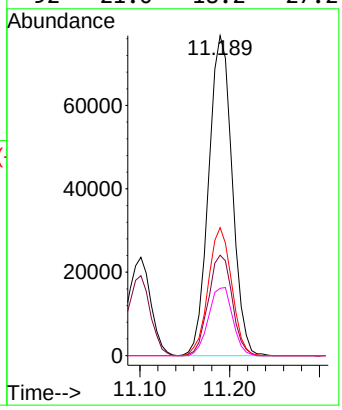


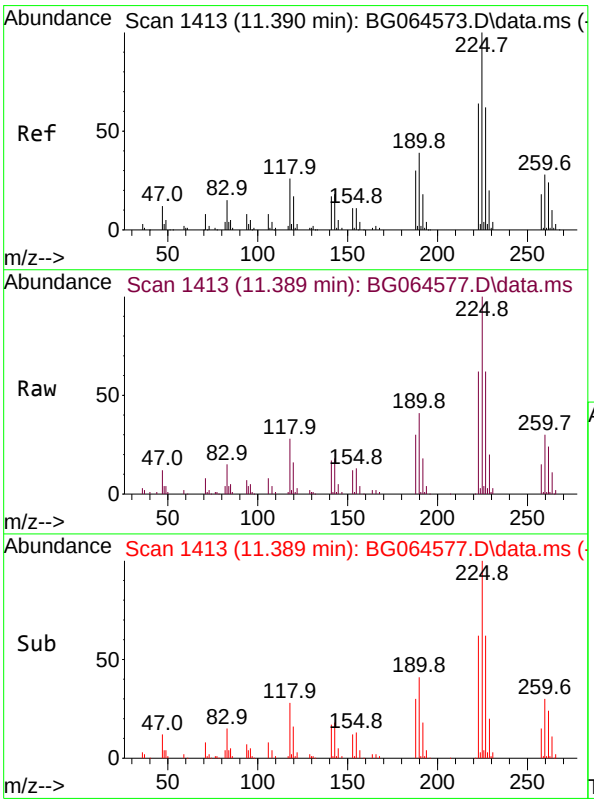
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

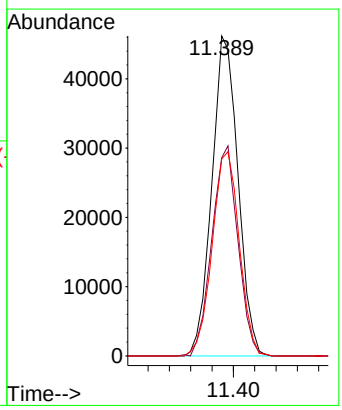


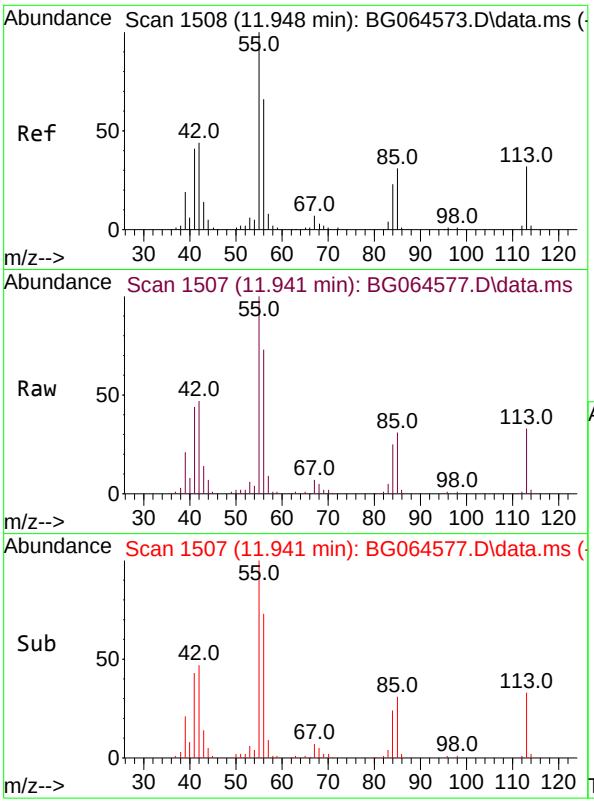


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



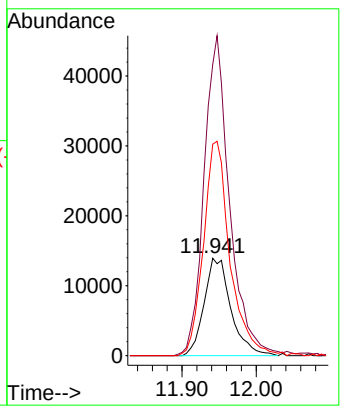


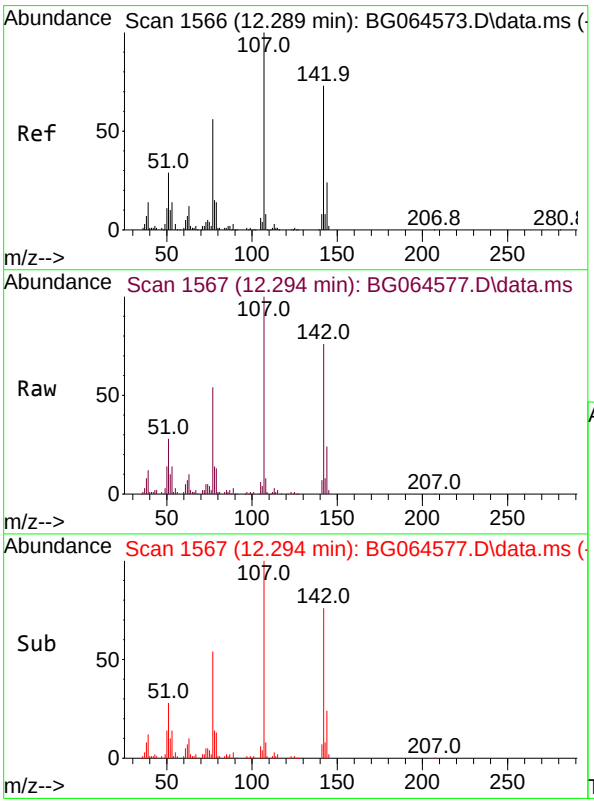
#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

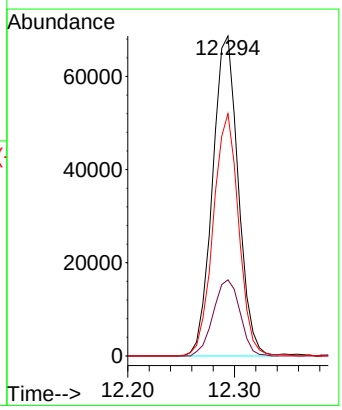


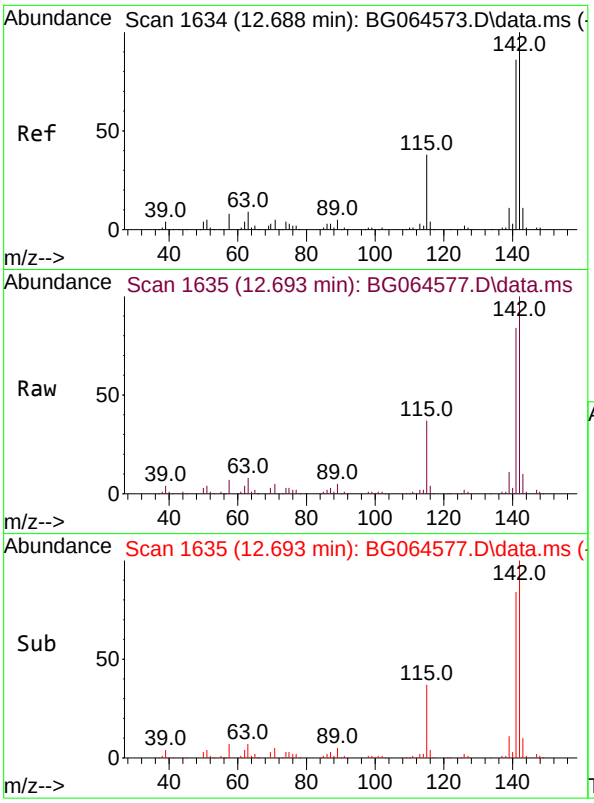


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



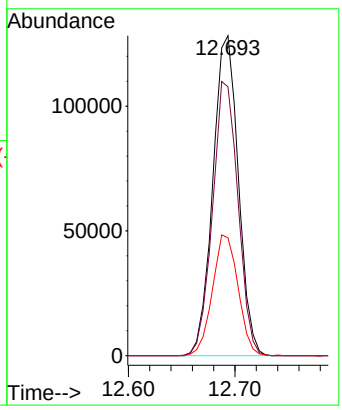


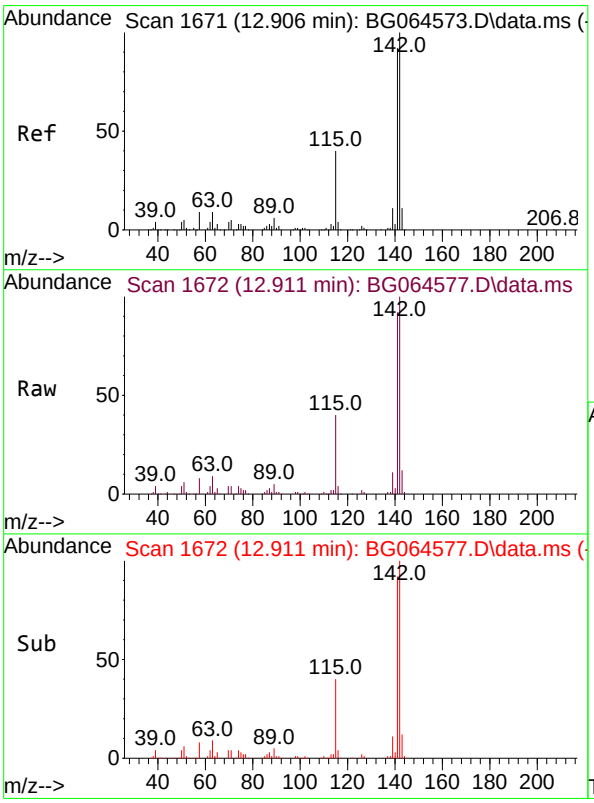
#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

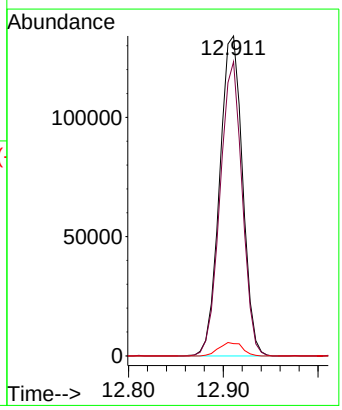


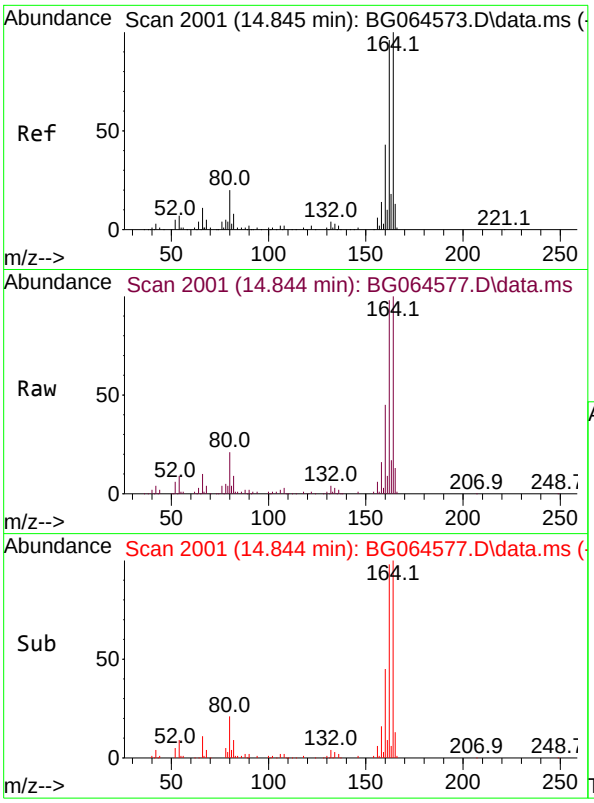


#38
1-Methylnaphthalene
Concen: 35.513 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



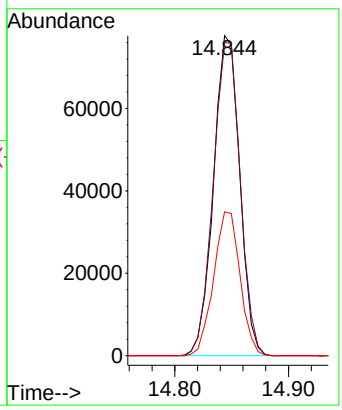


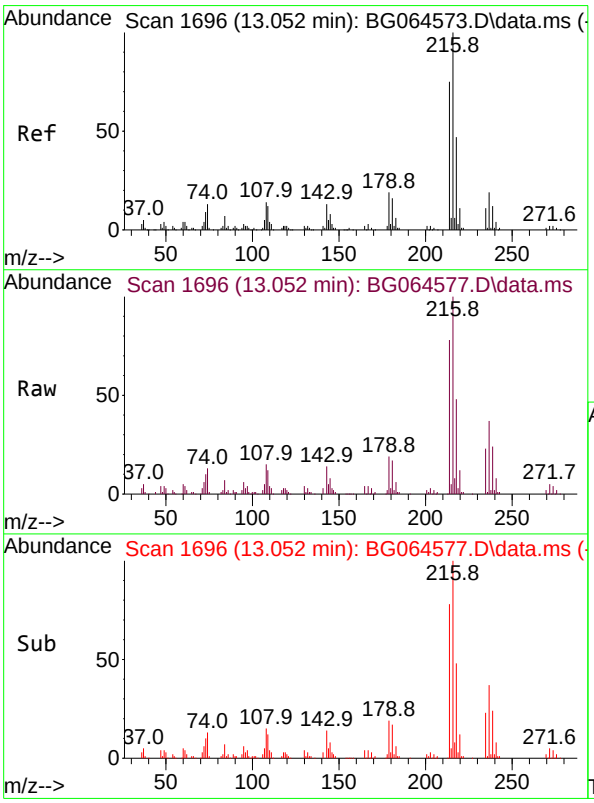
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

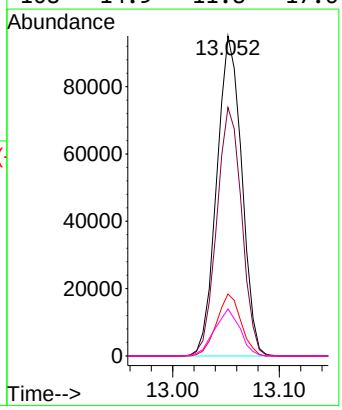


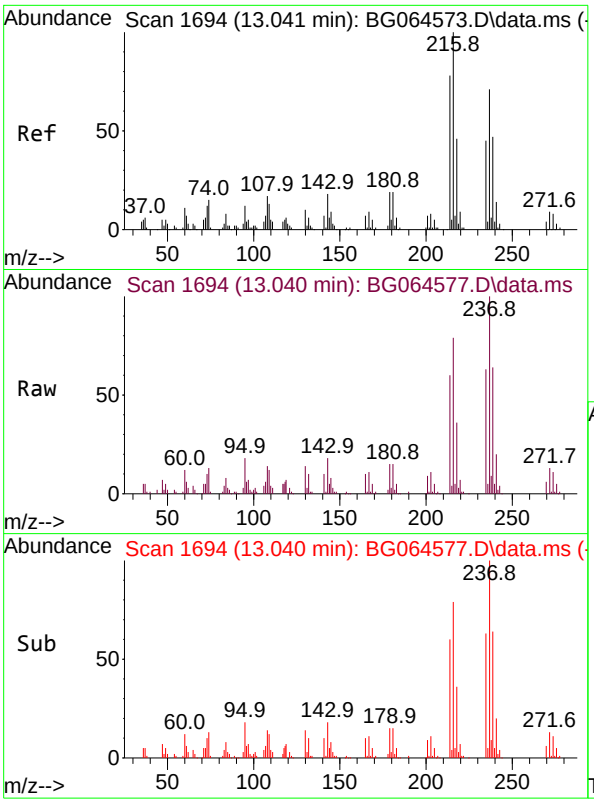


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



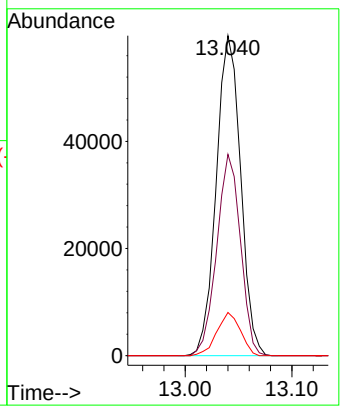


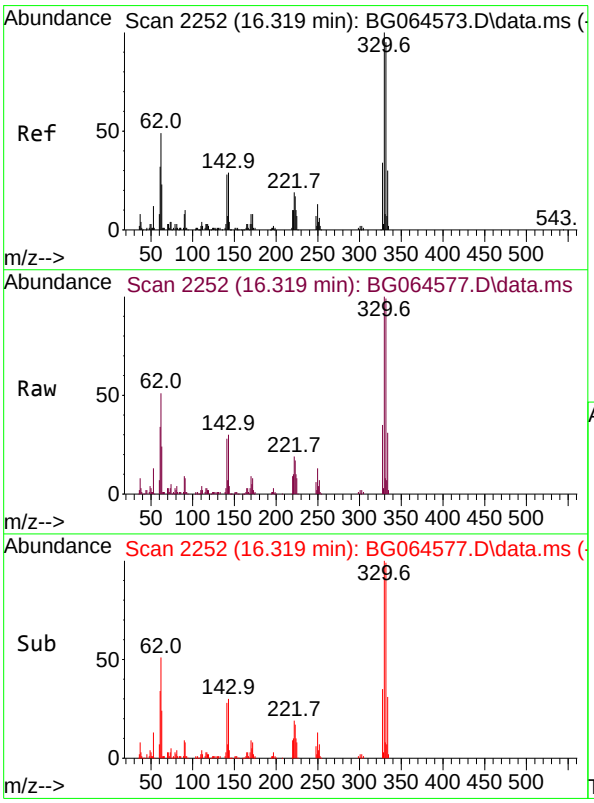
#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

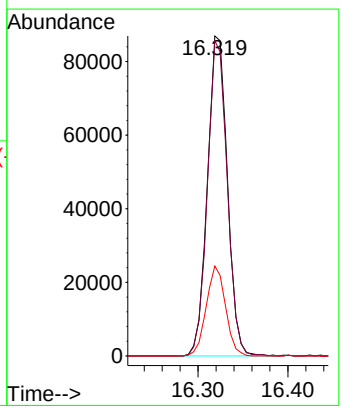


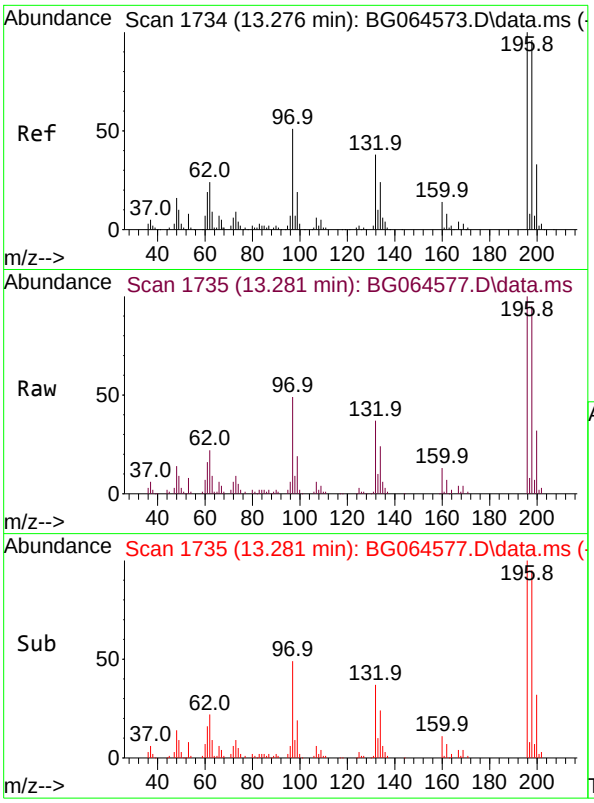


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



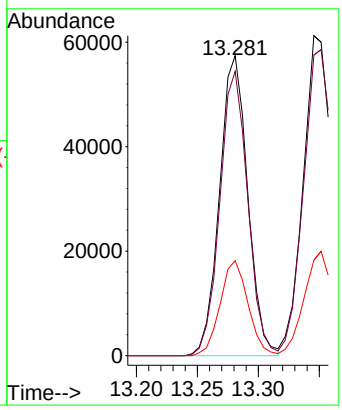


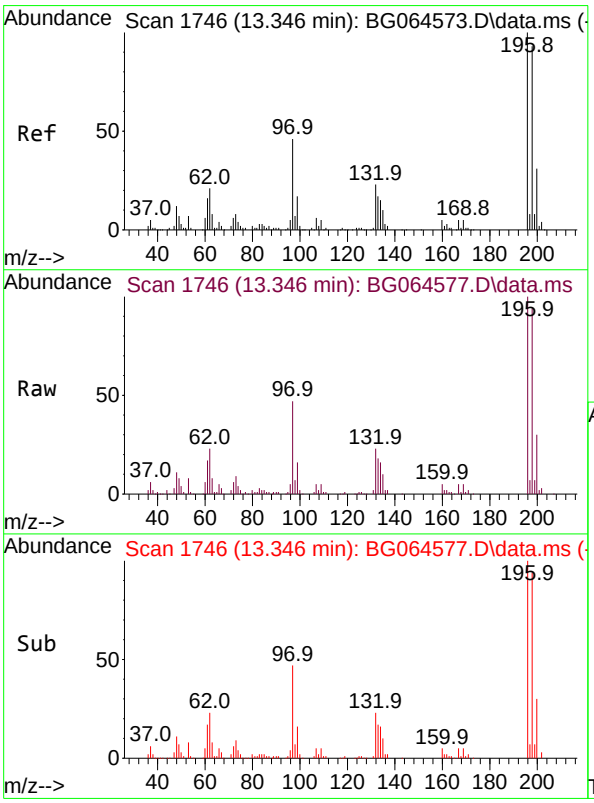
#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

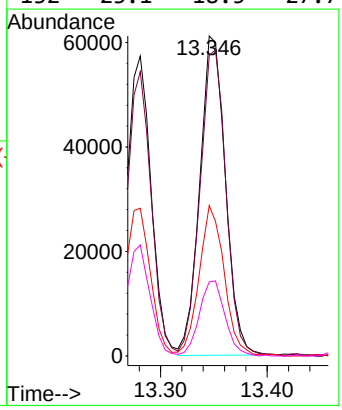


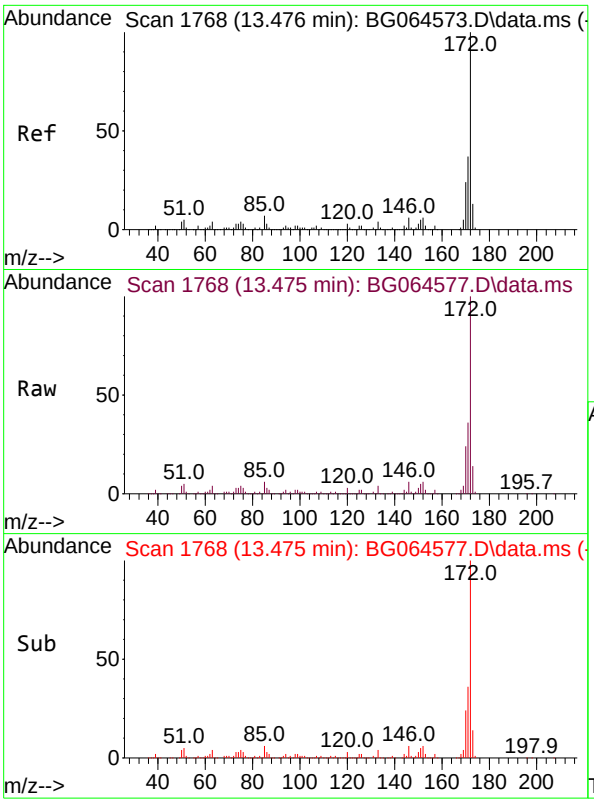


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



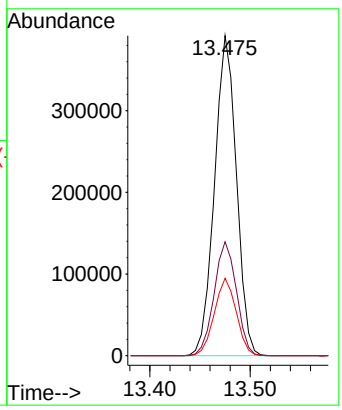


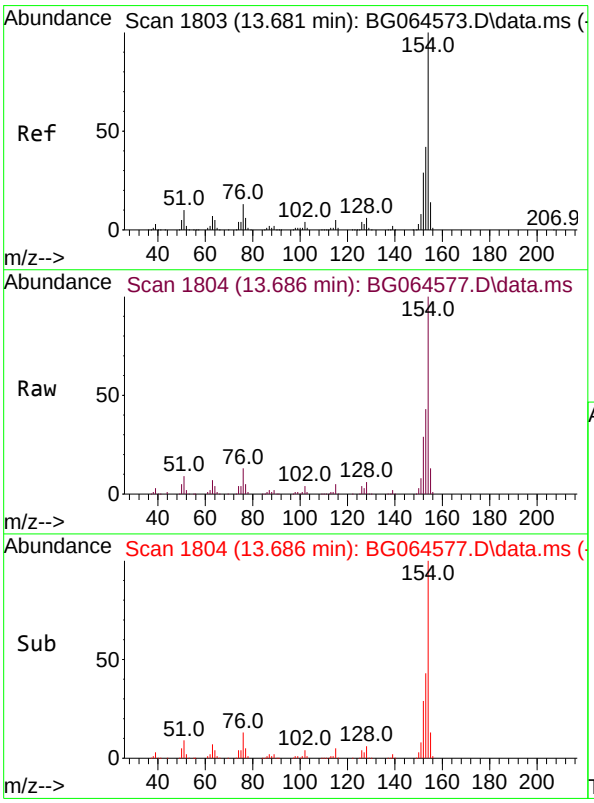
#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

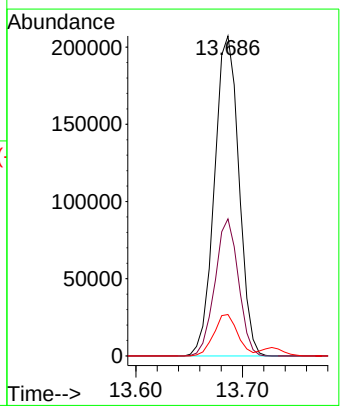


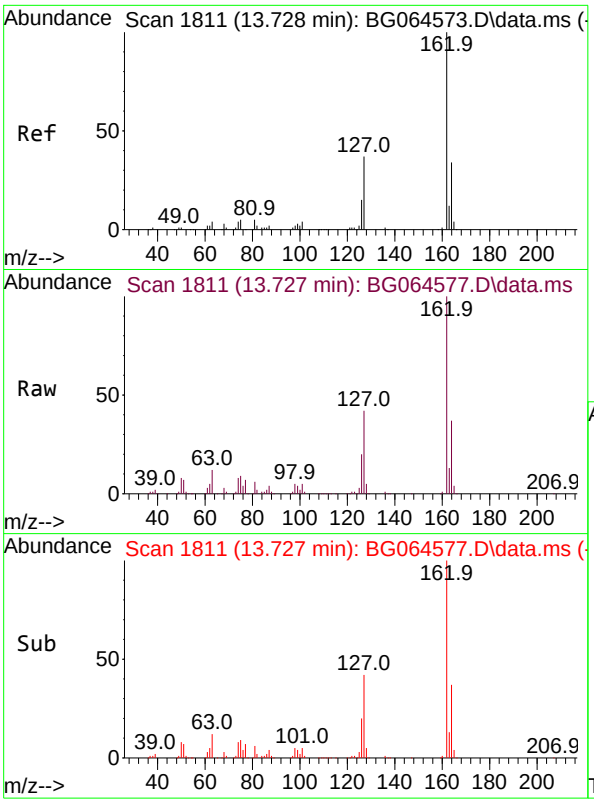


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



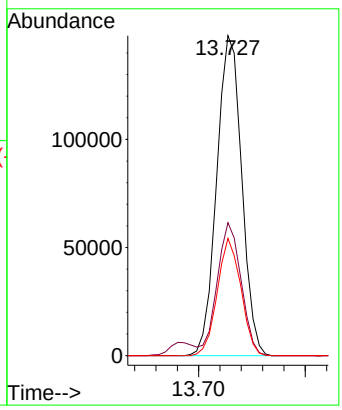


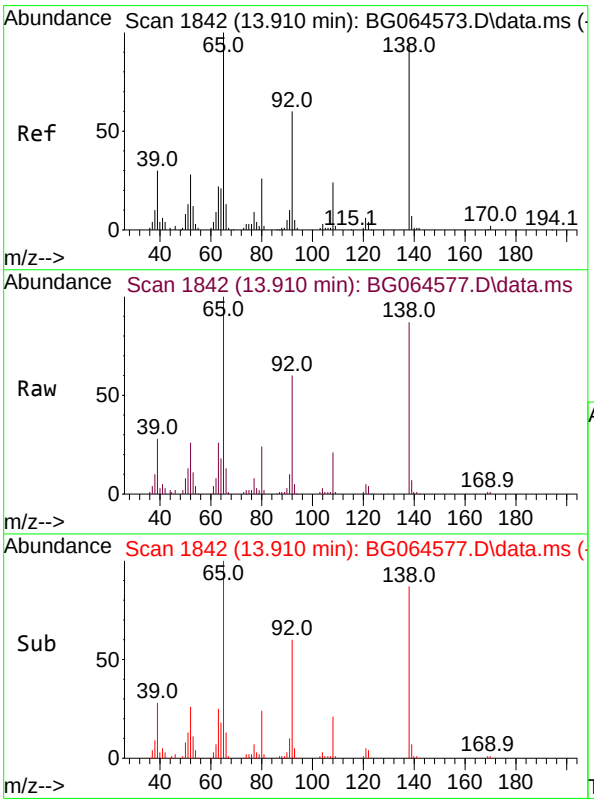
#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 18
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

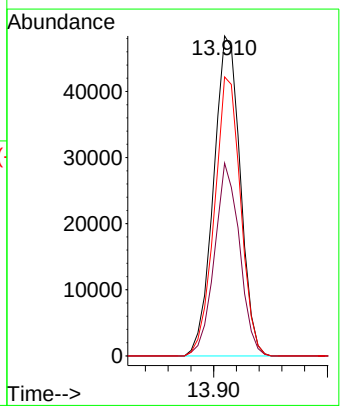


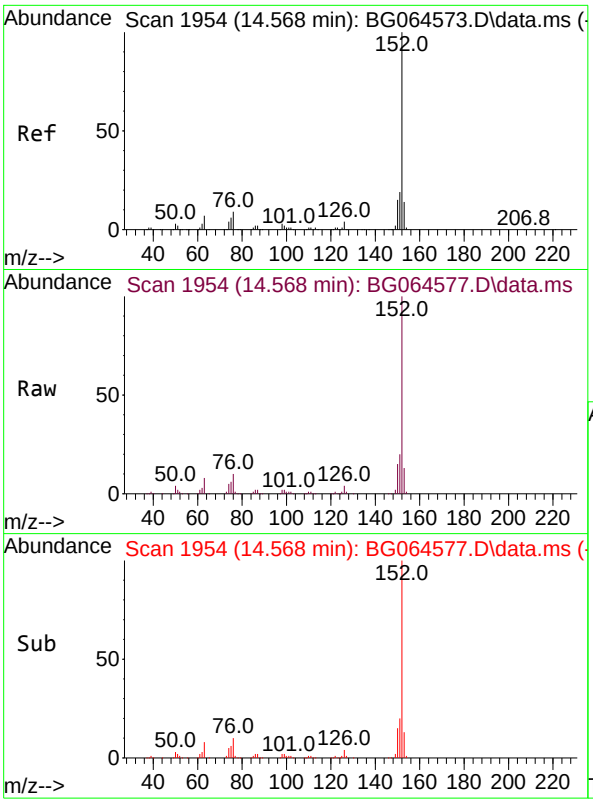


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



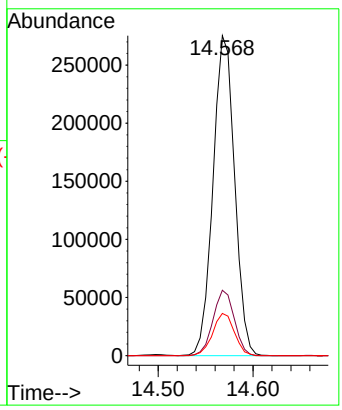


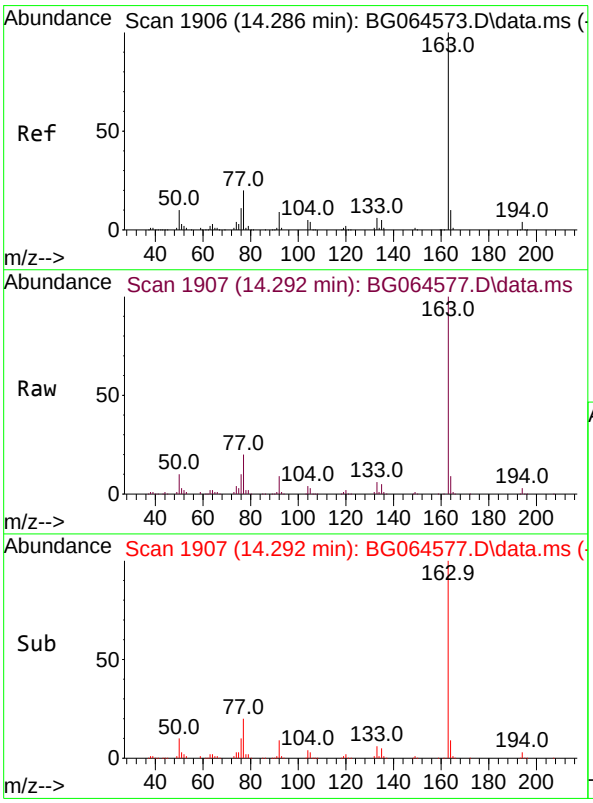
#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

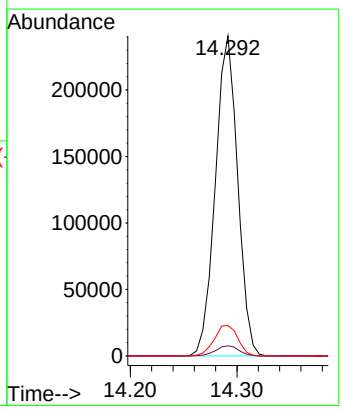


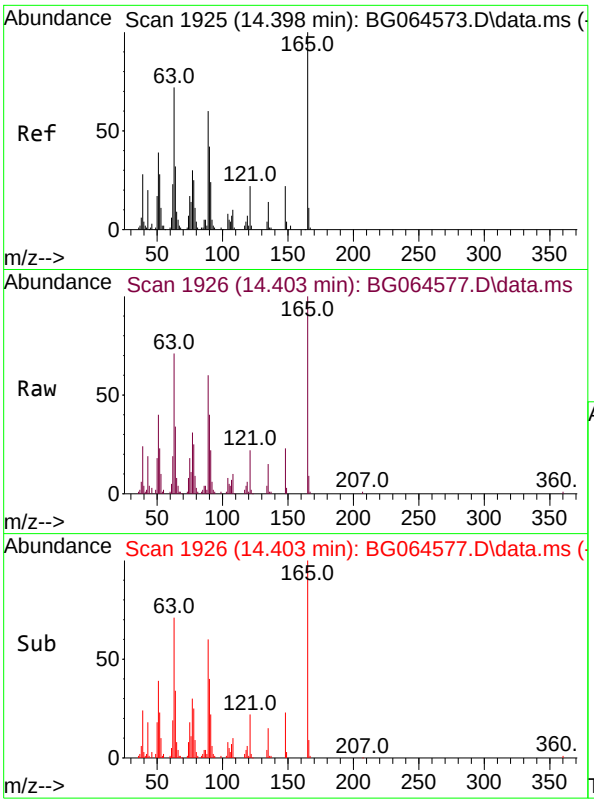


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



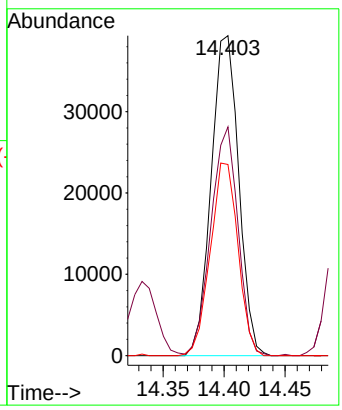


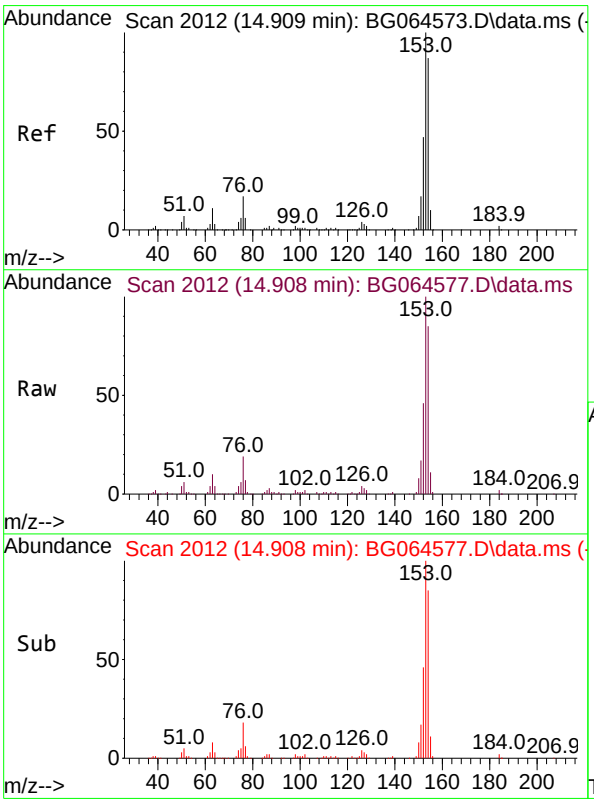
#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

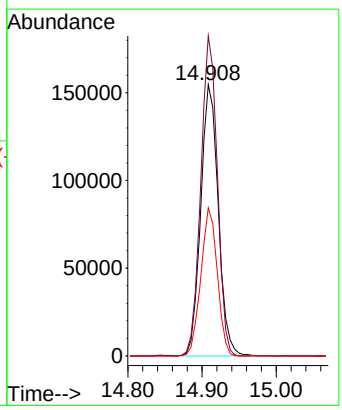


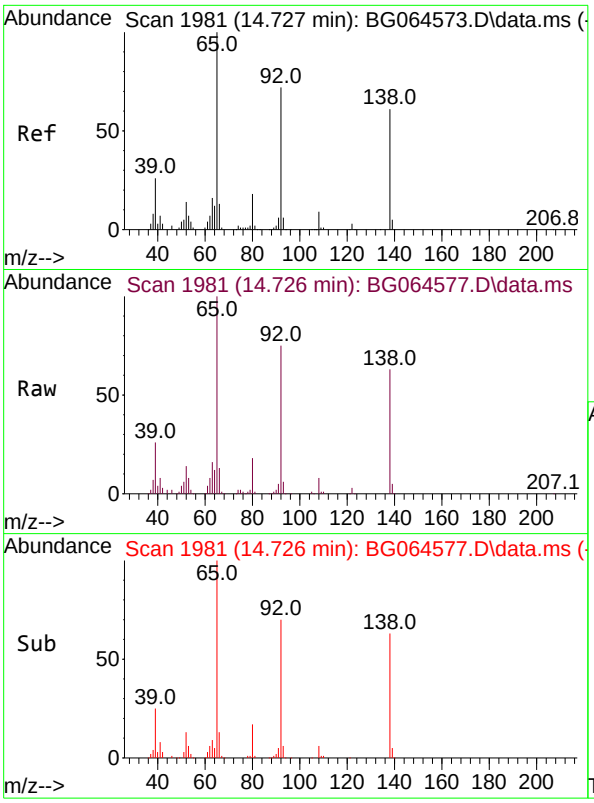


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



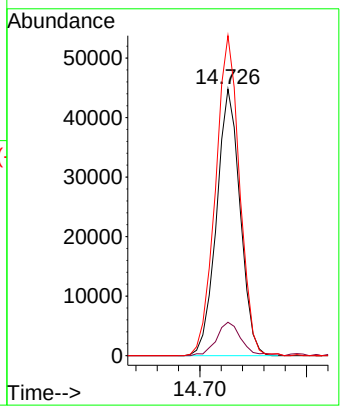


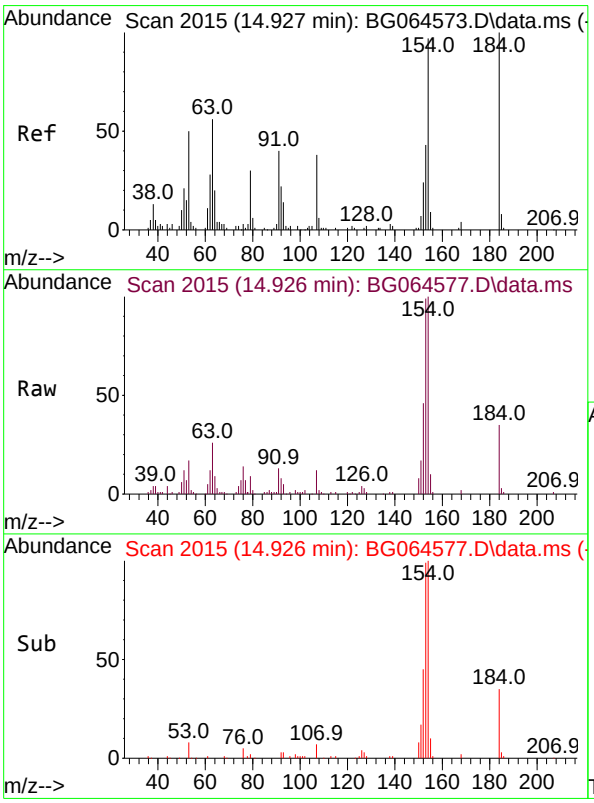
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

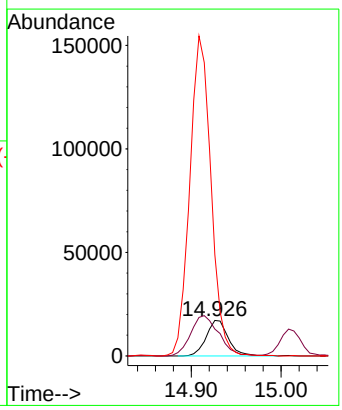


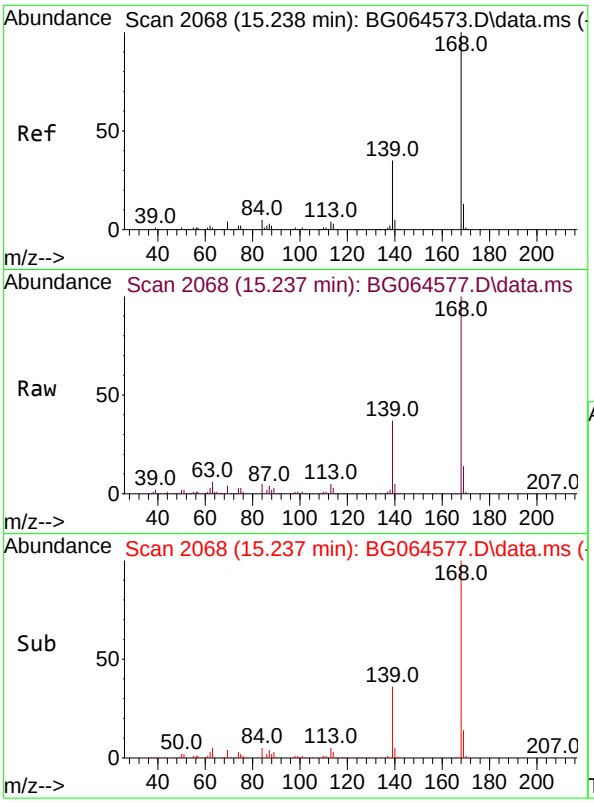


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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#



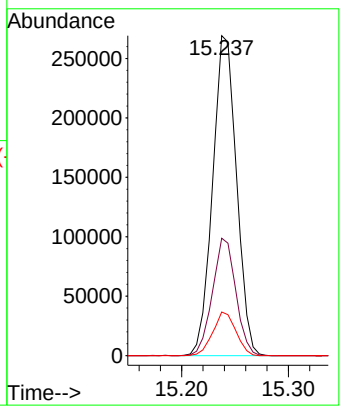


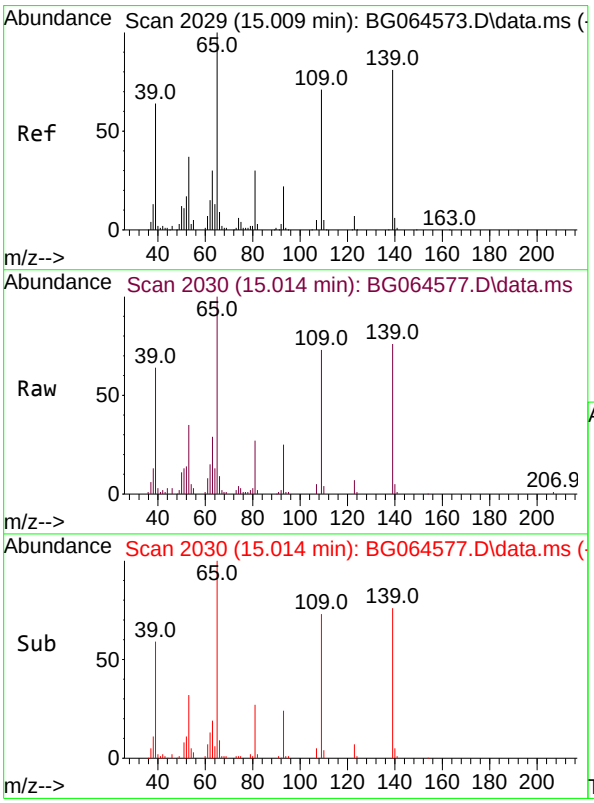
#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

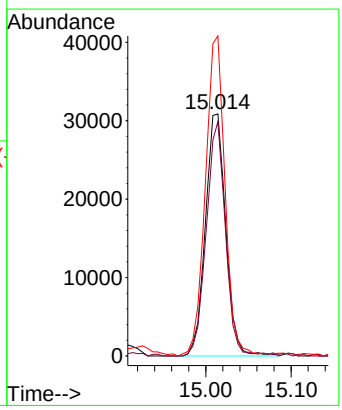


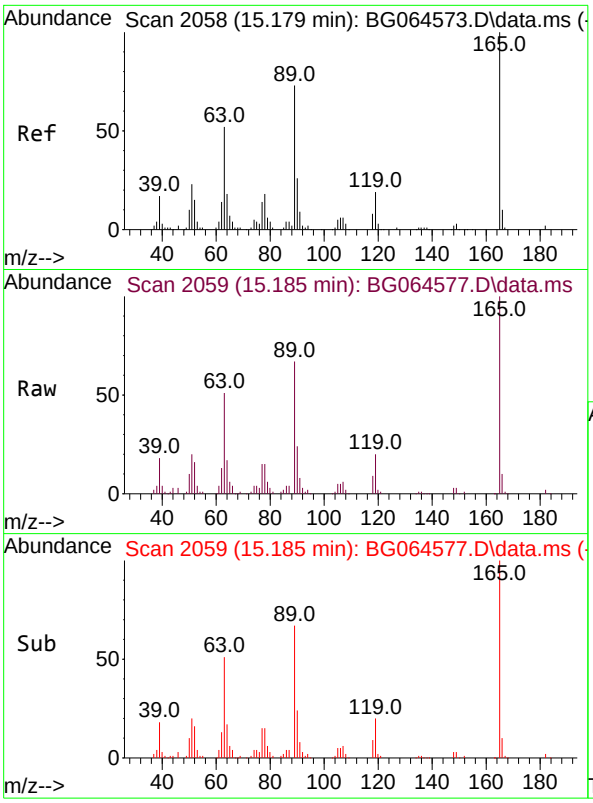


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



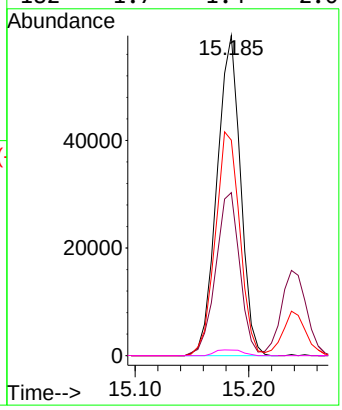


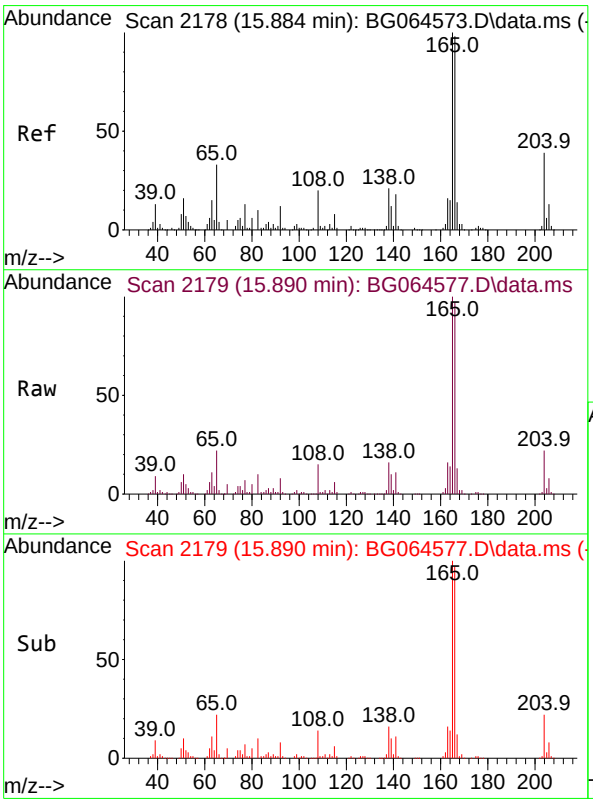
#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

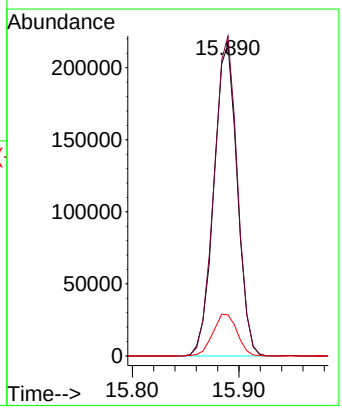


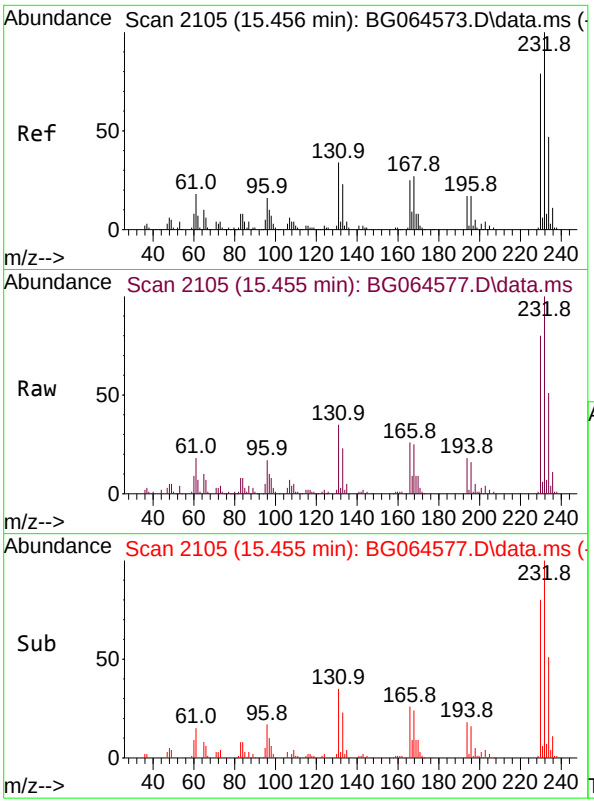


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



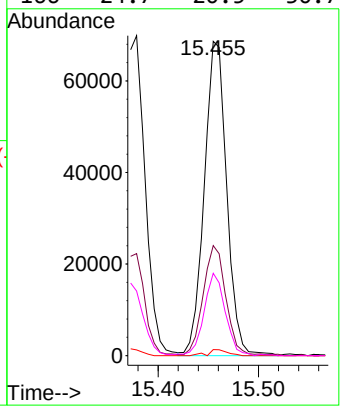


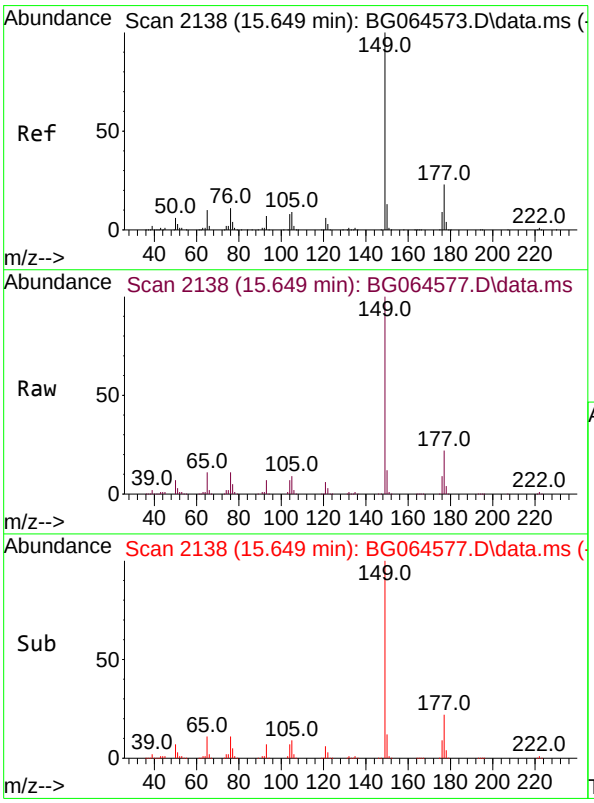
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

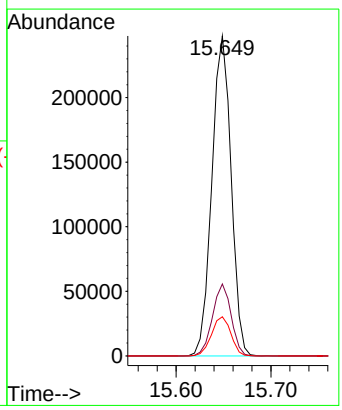


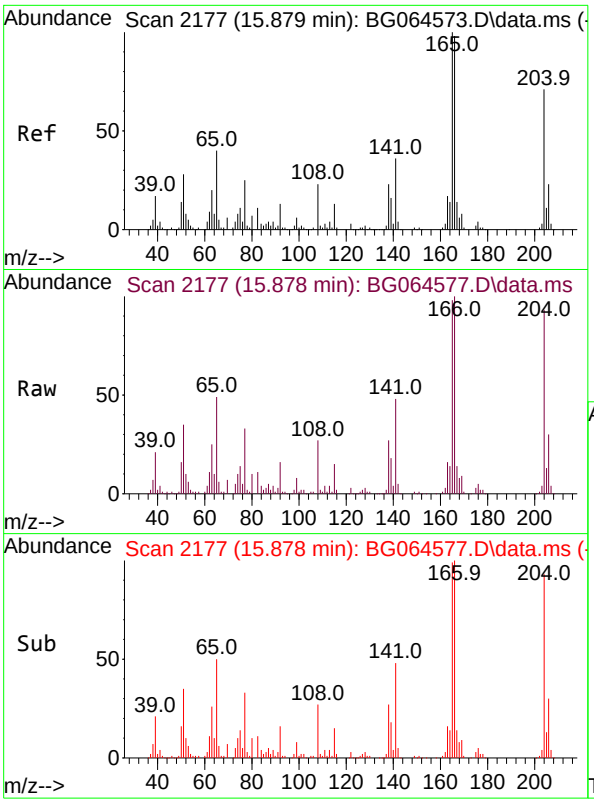


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



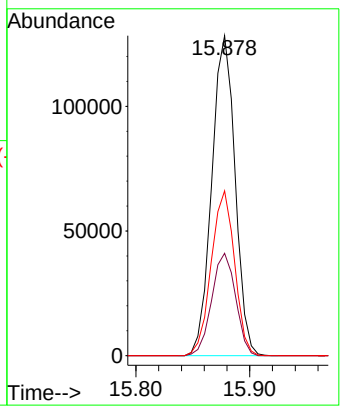


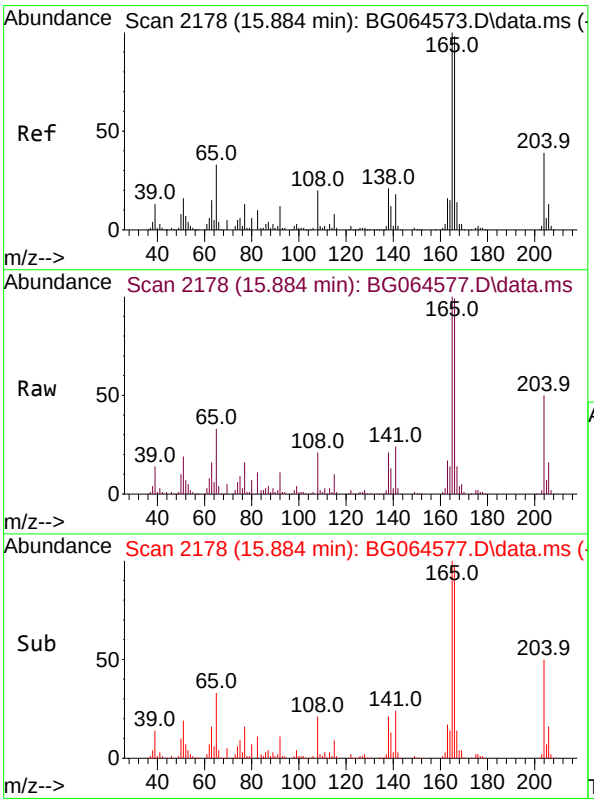
#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

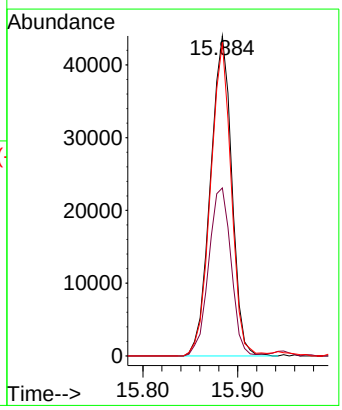


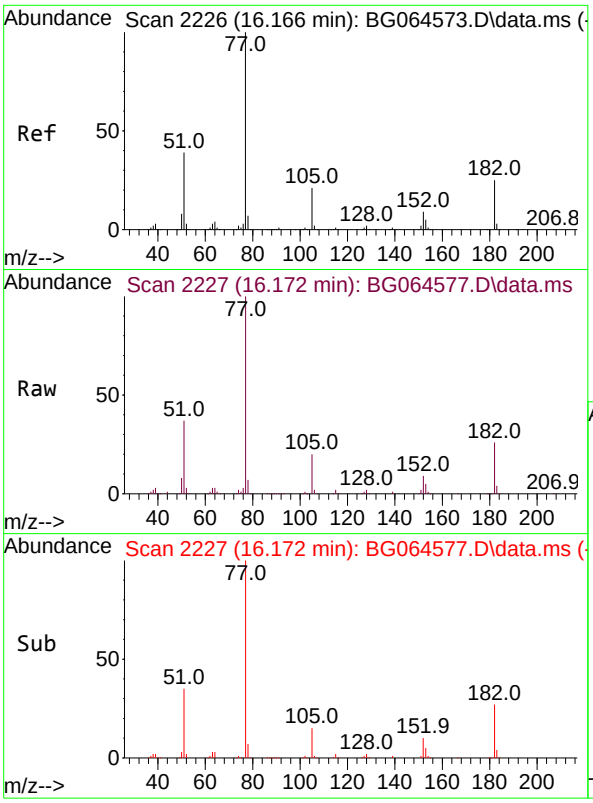


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



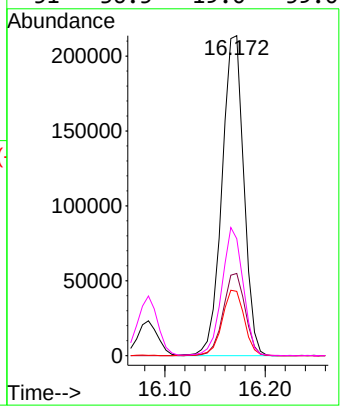


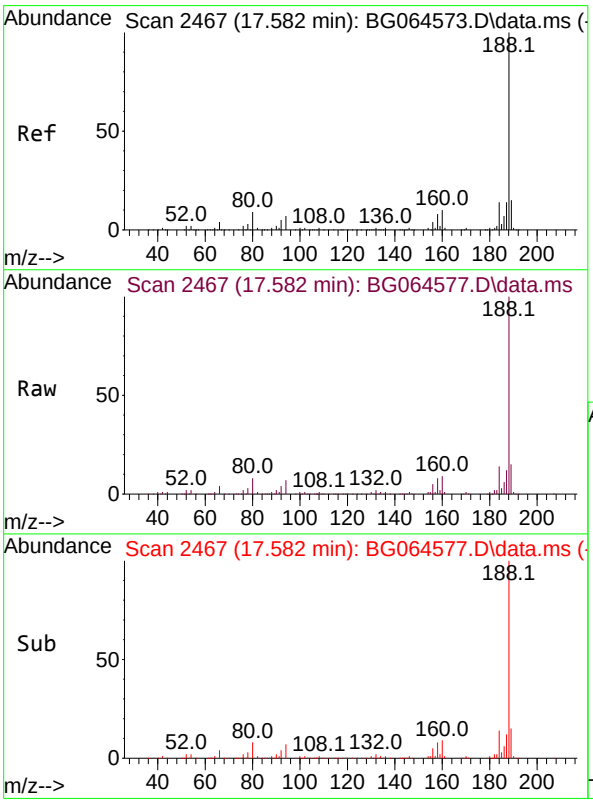
#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

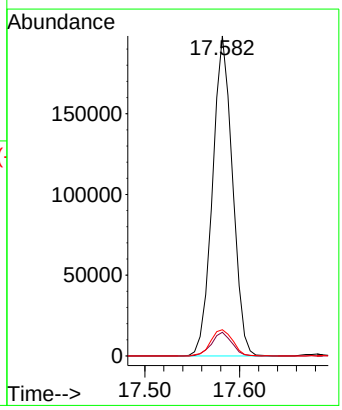


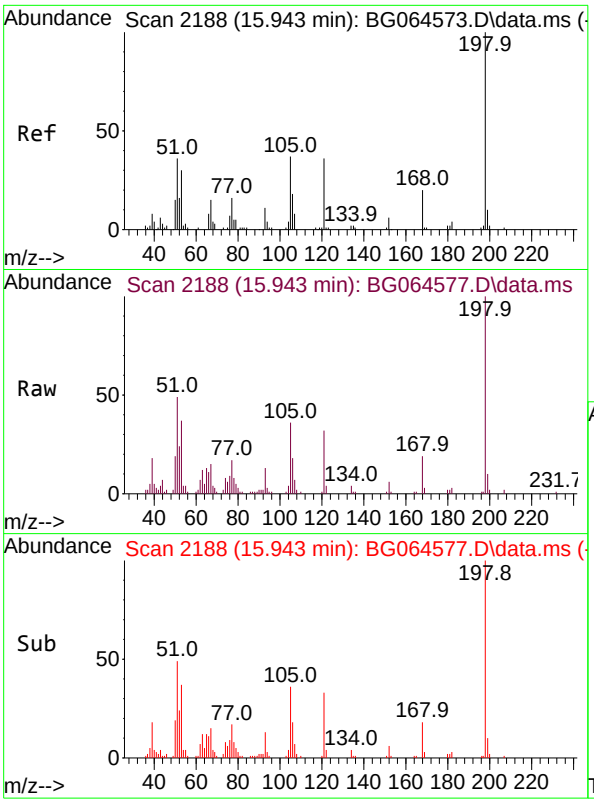


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



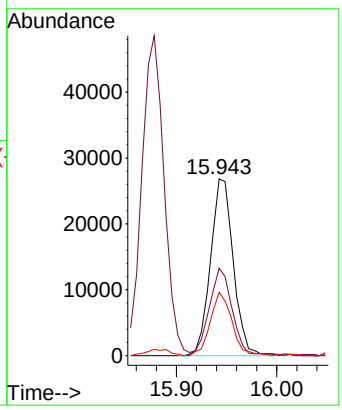


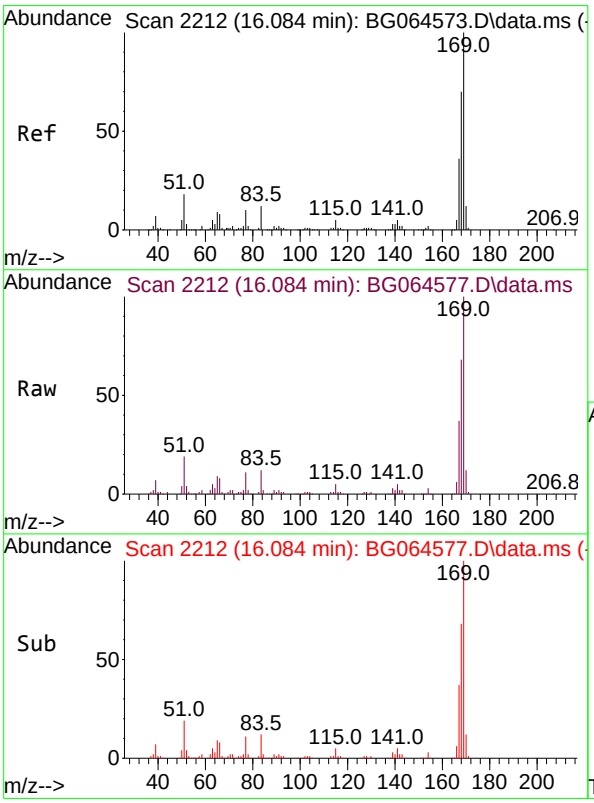
#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

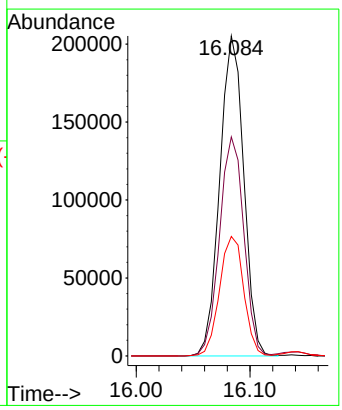


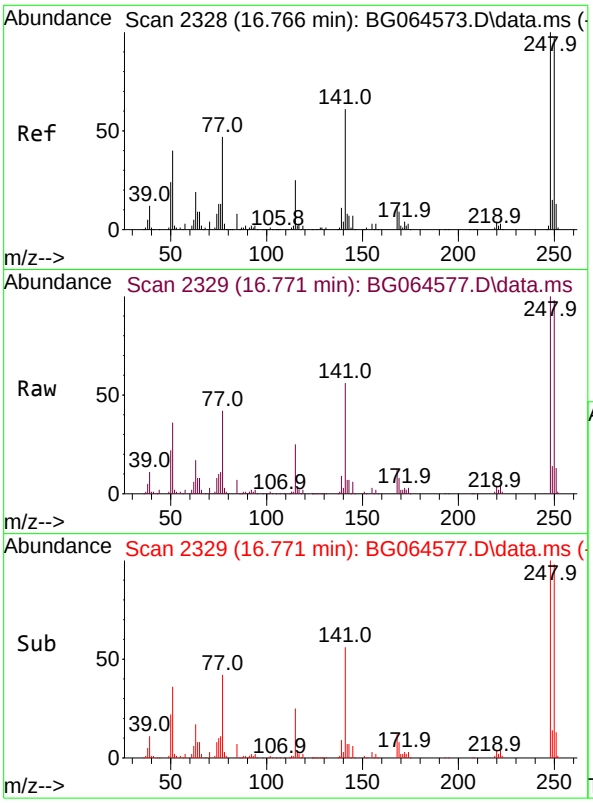


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



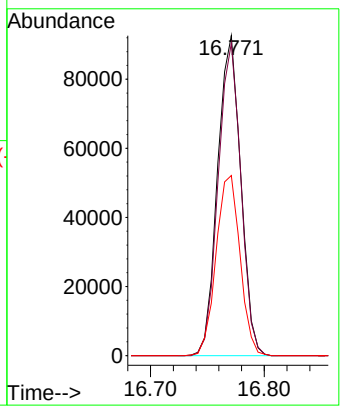


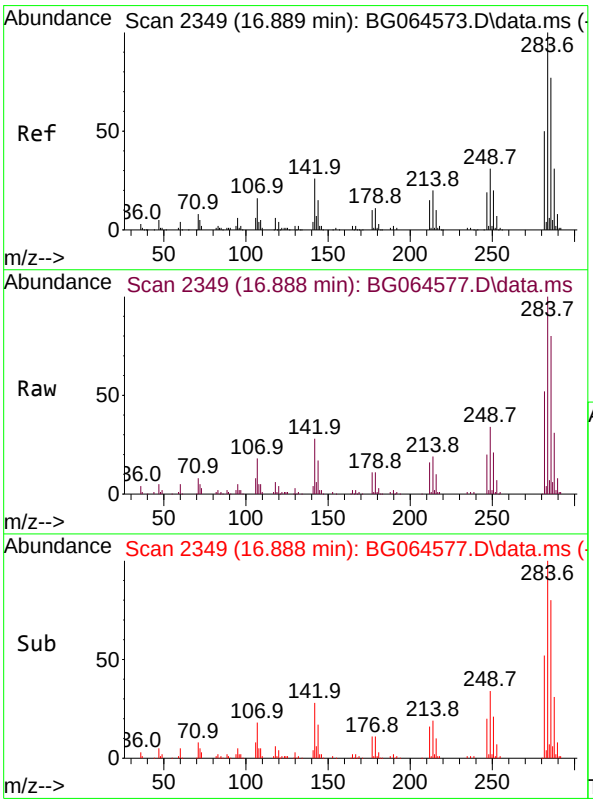
#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

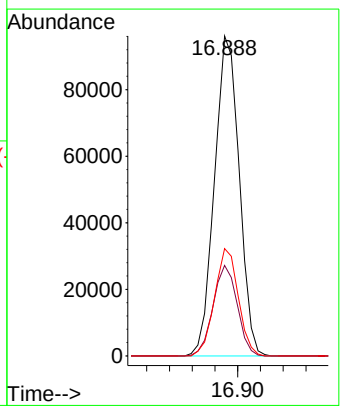


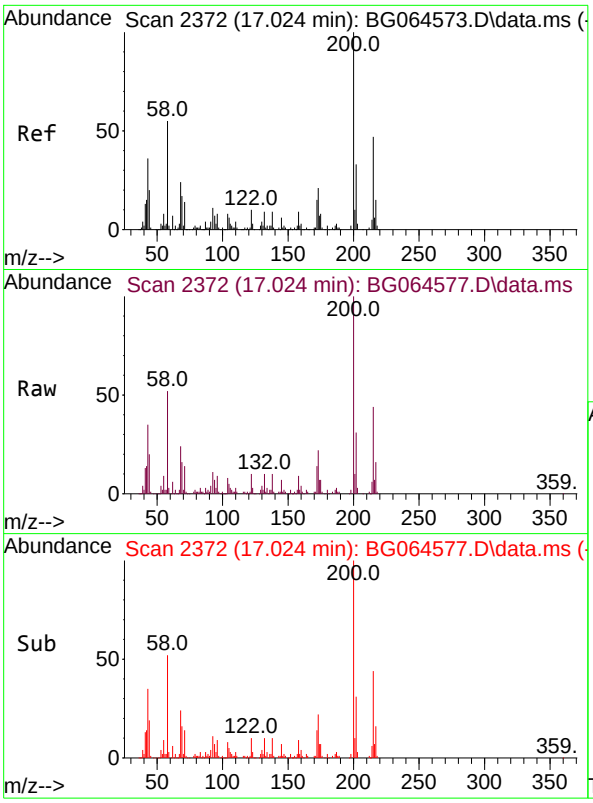


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



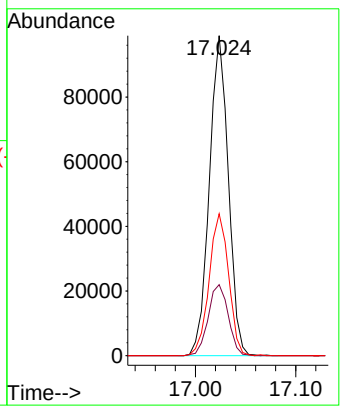


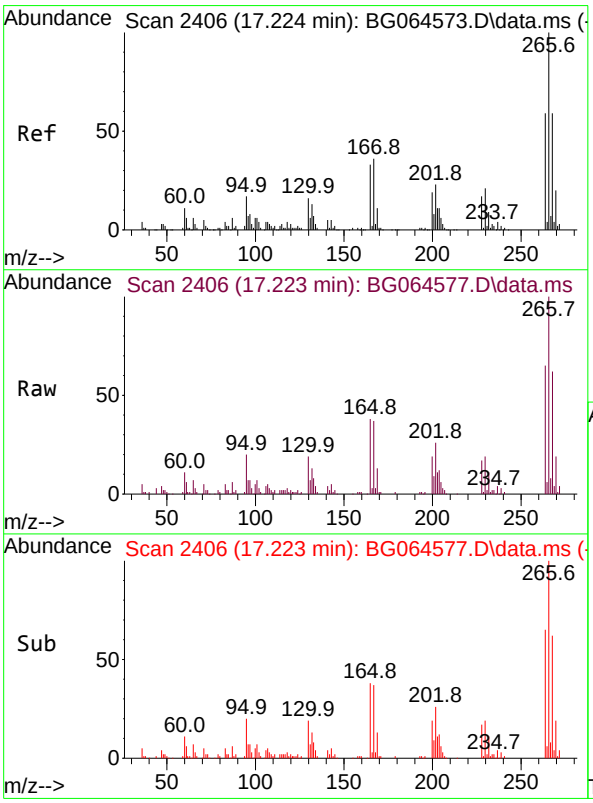
#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

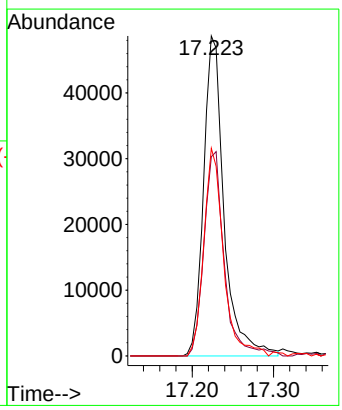


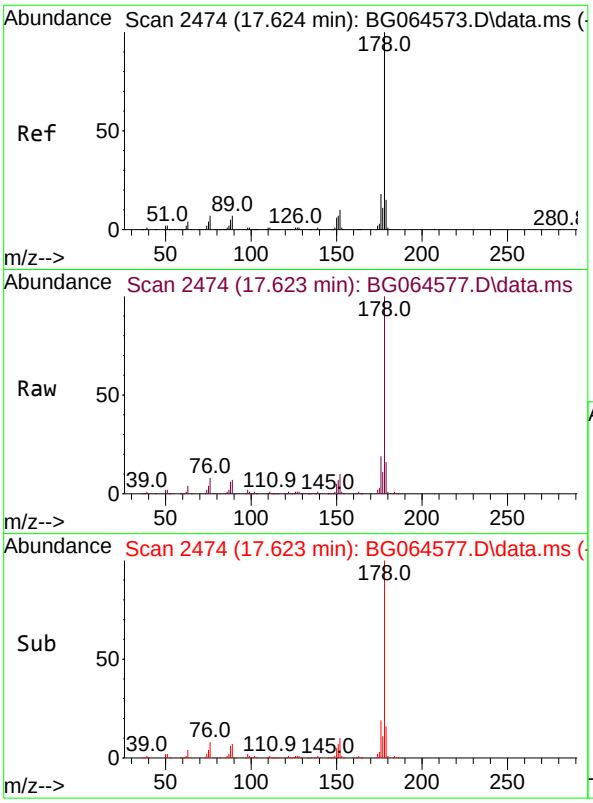


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



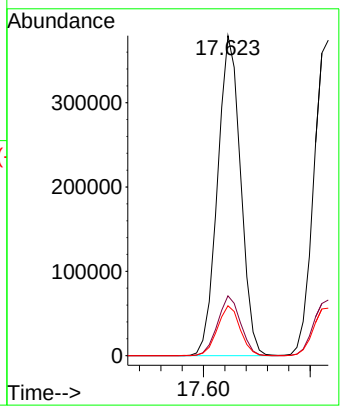


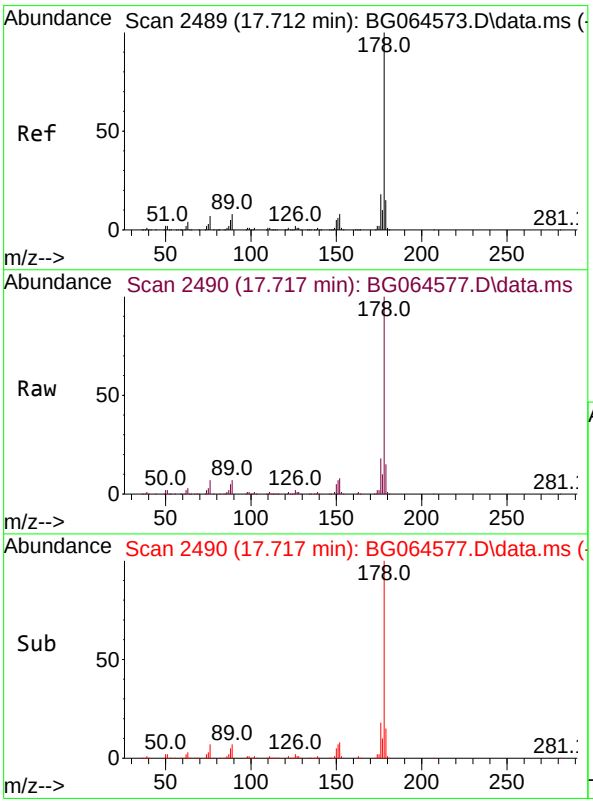
#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

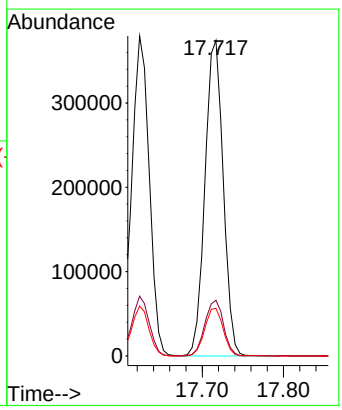


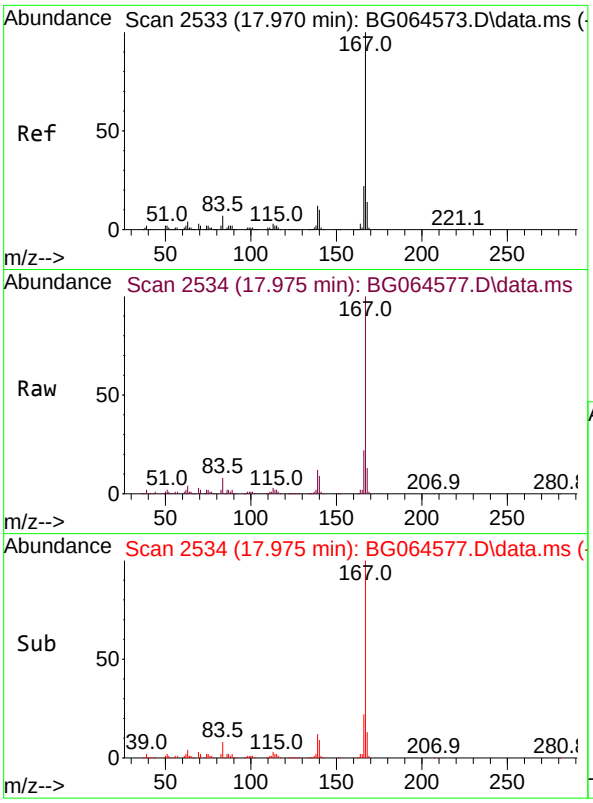


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



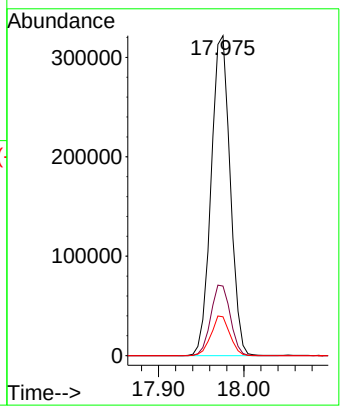


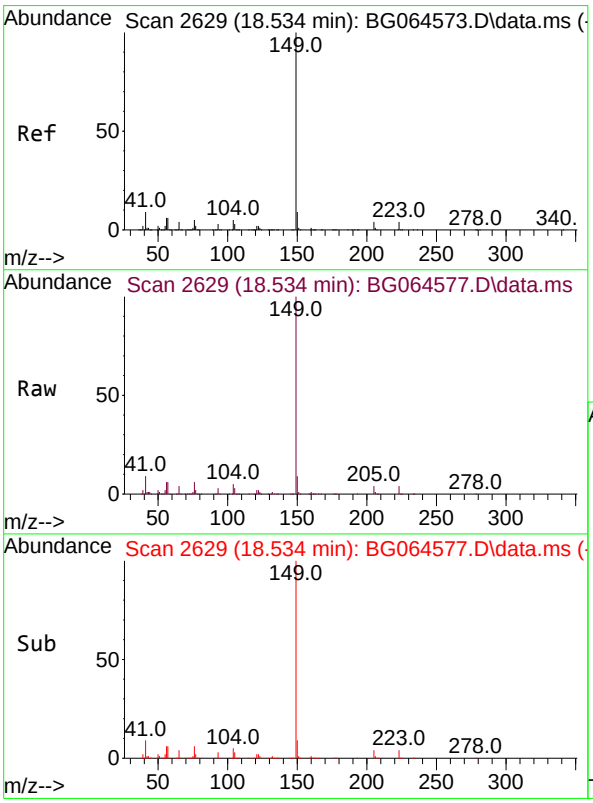
#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

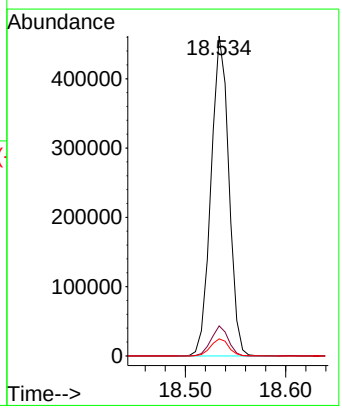


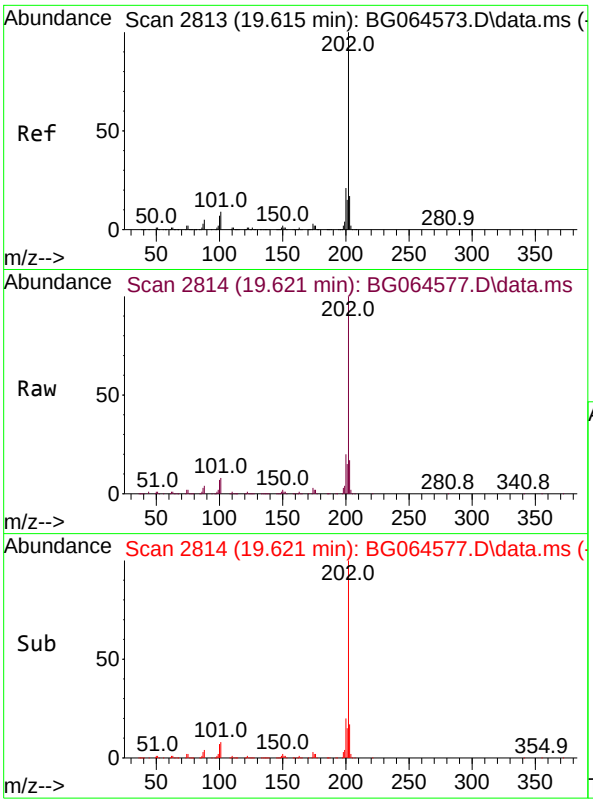


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



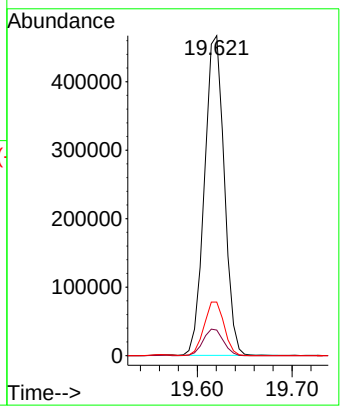


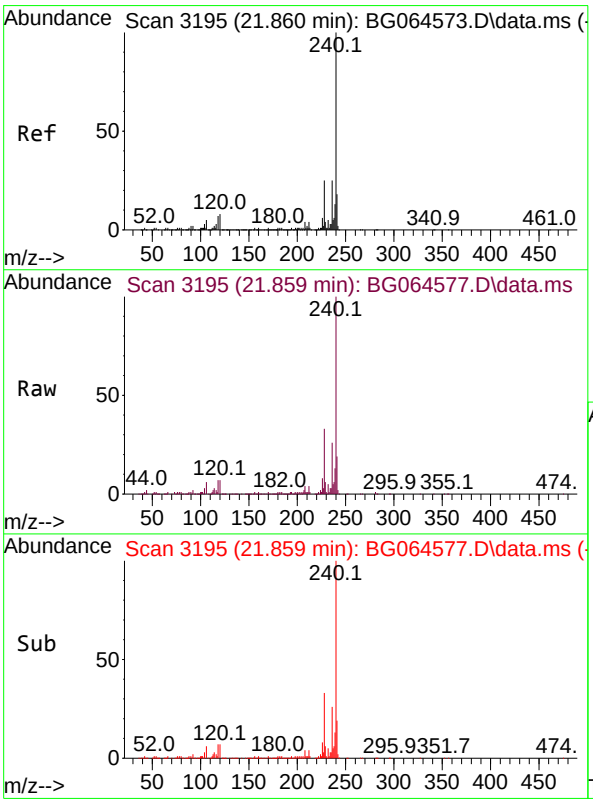
#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

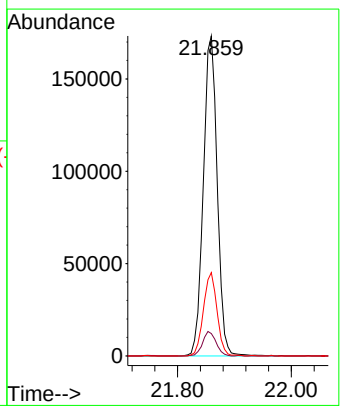


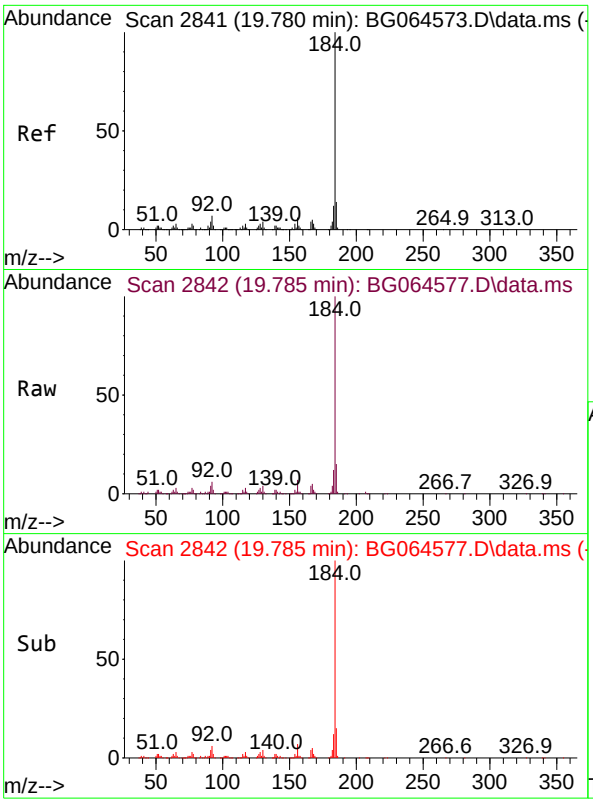


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



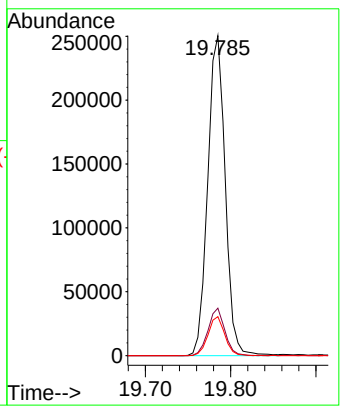


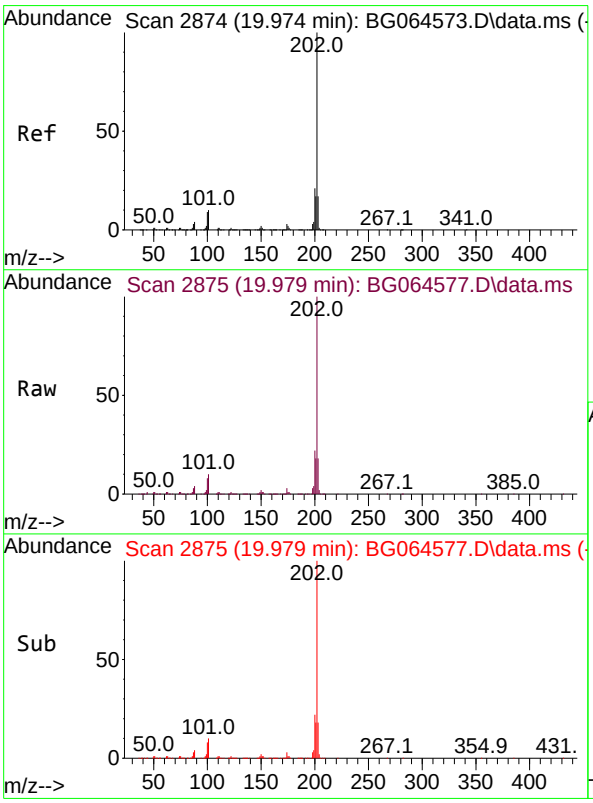
#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

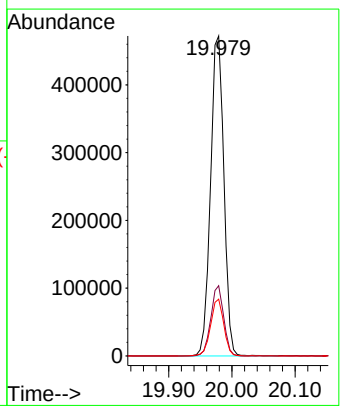


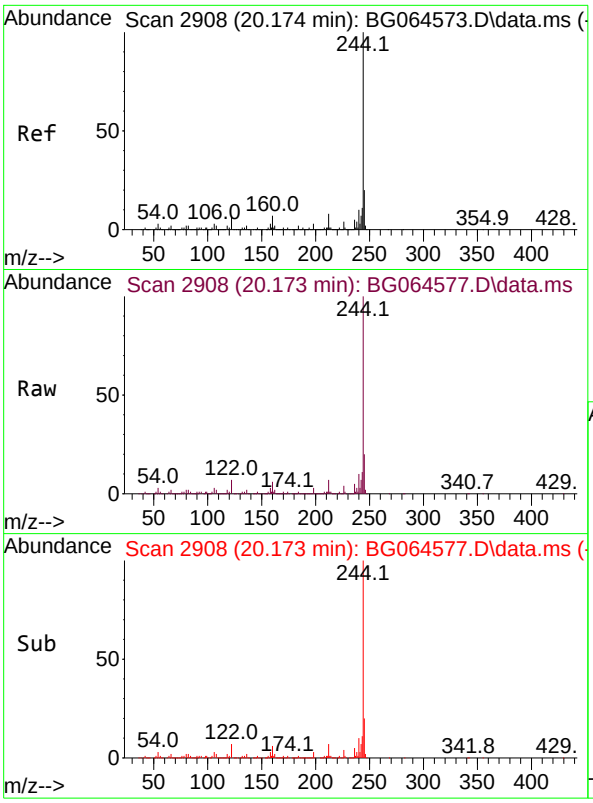


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



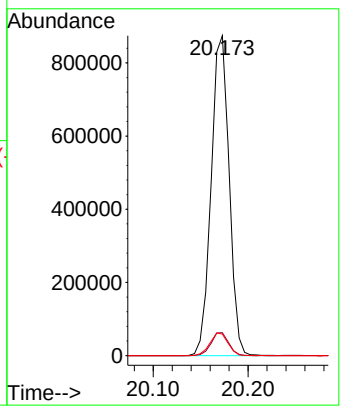


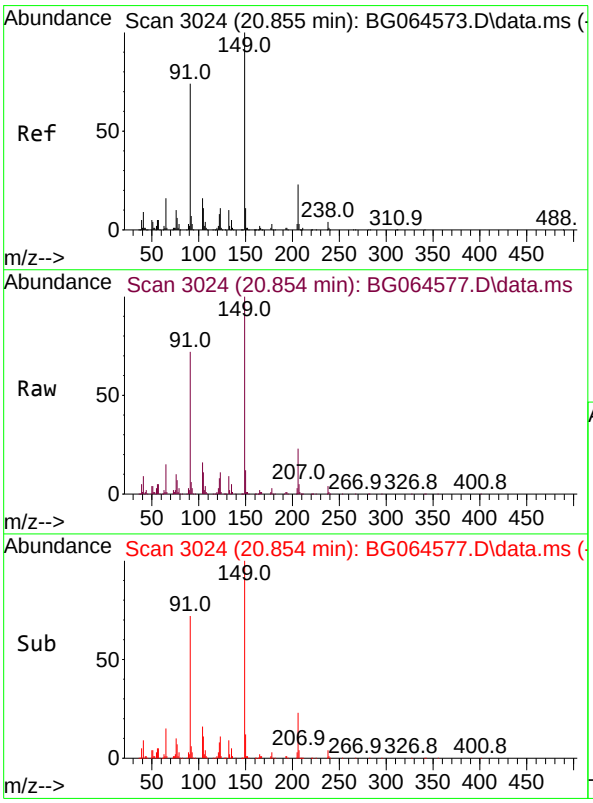
#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

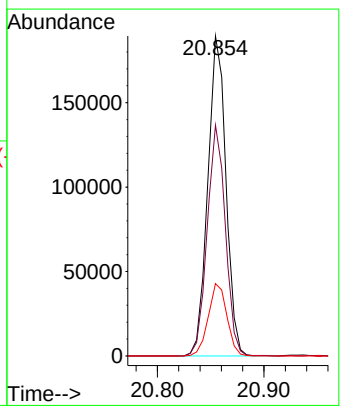


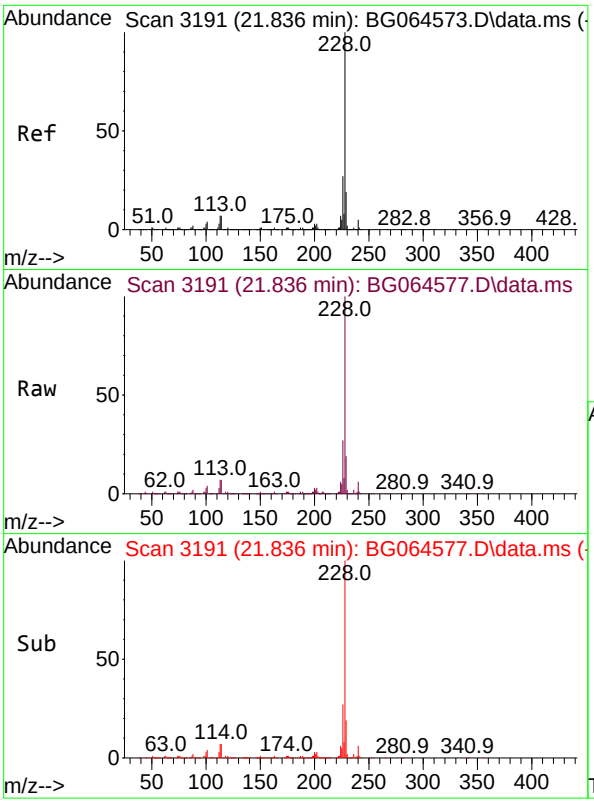


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



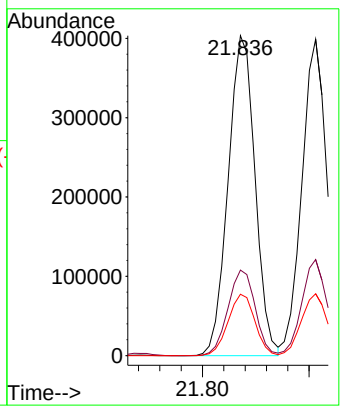


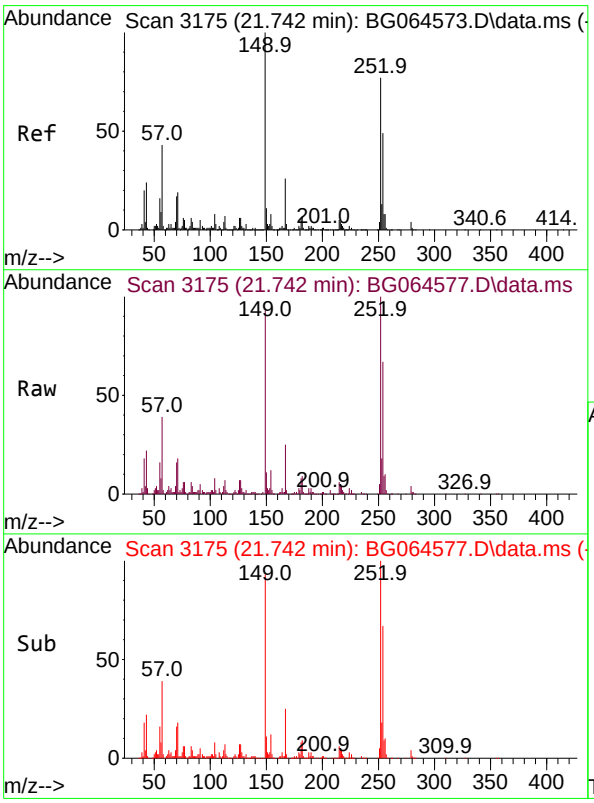
#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

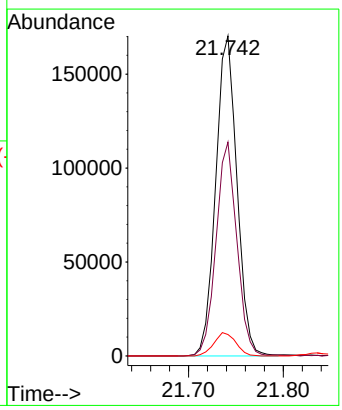


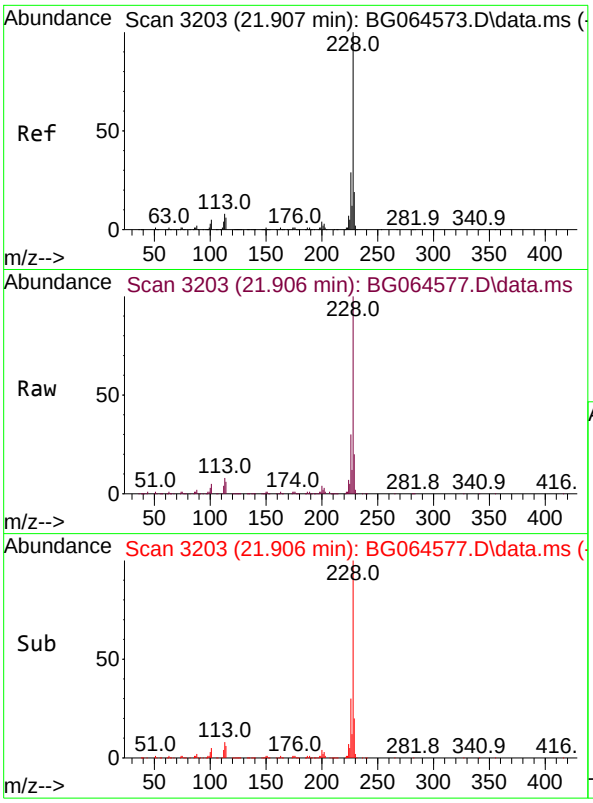


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



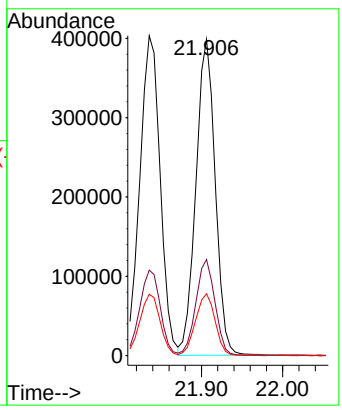


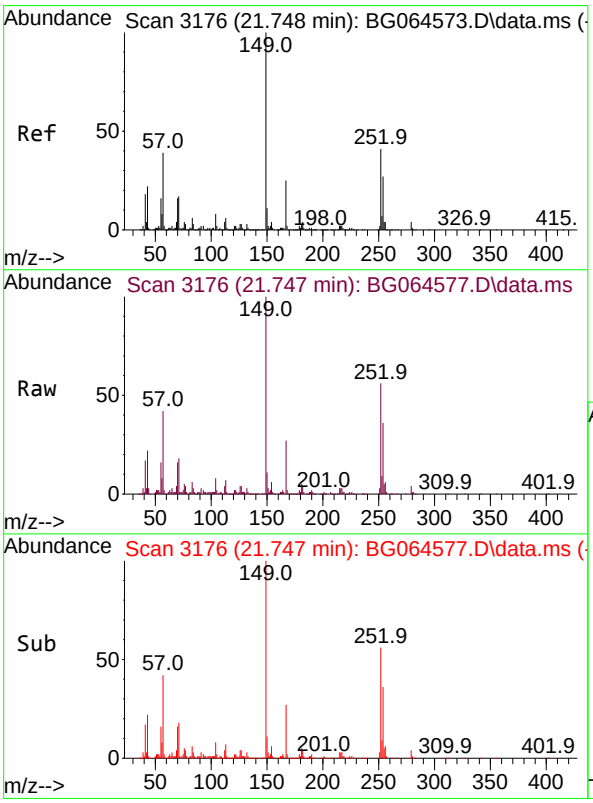
#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

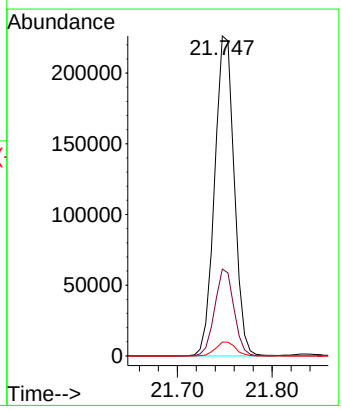


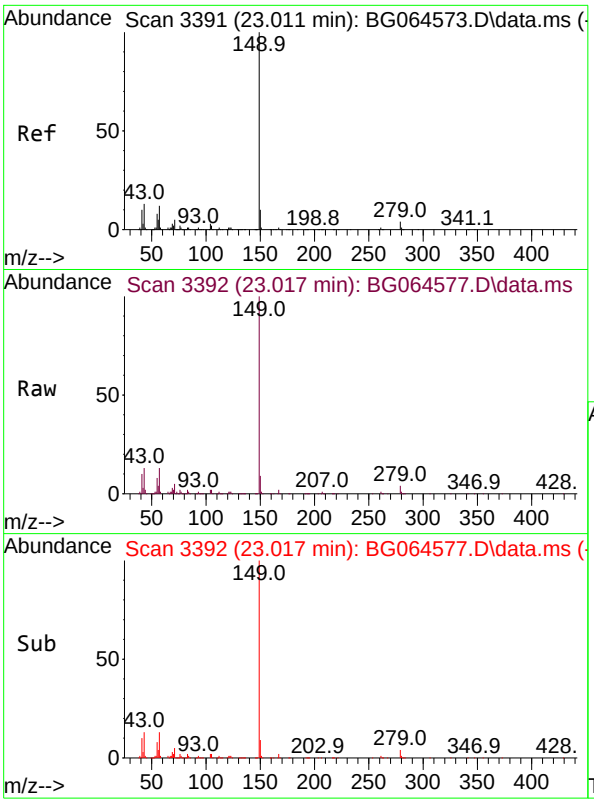


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



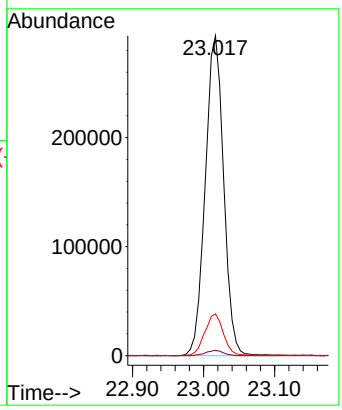


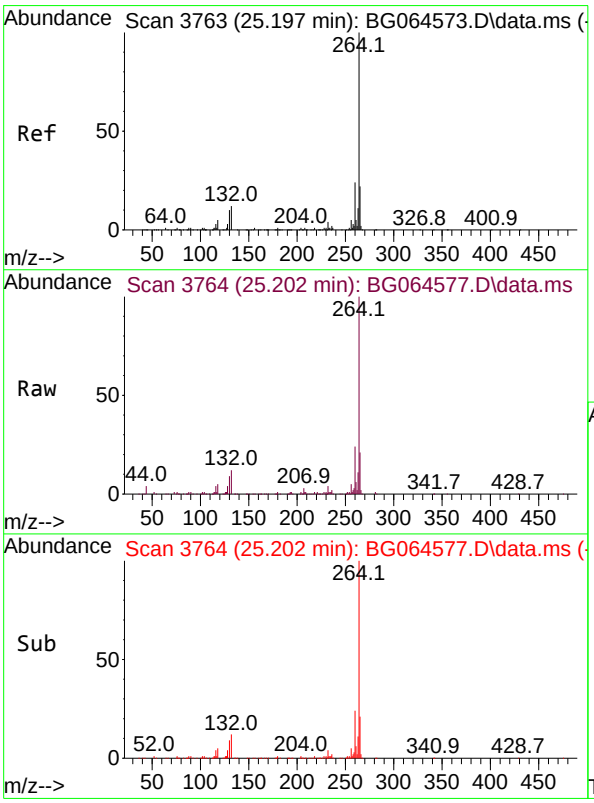
#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

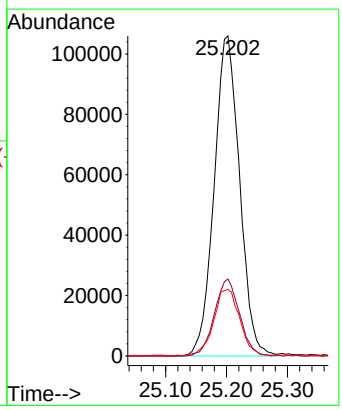


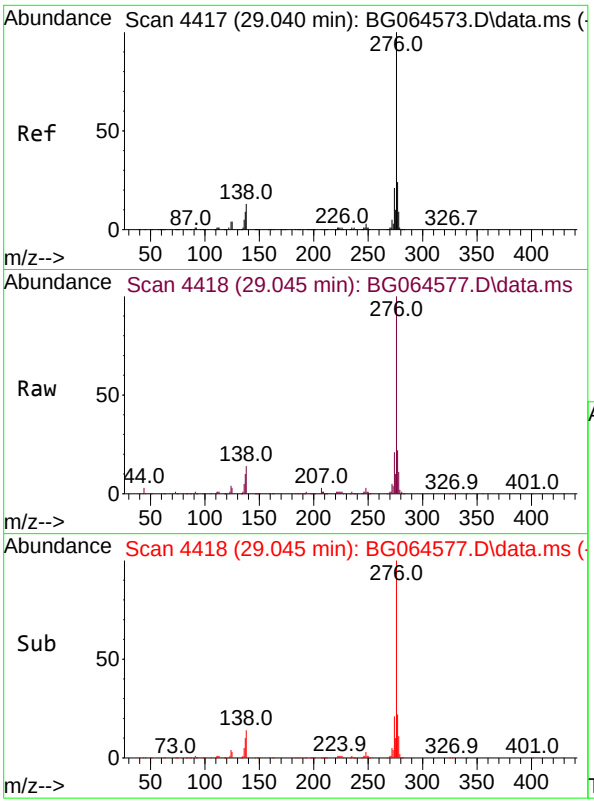


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



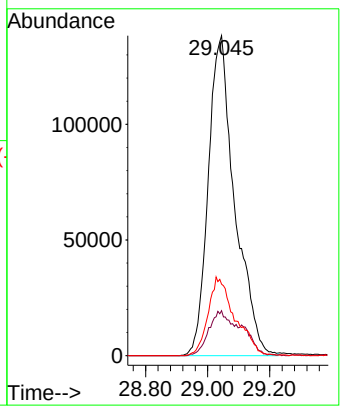


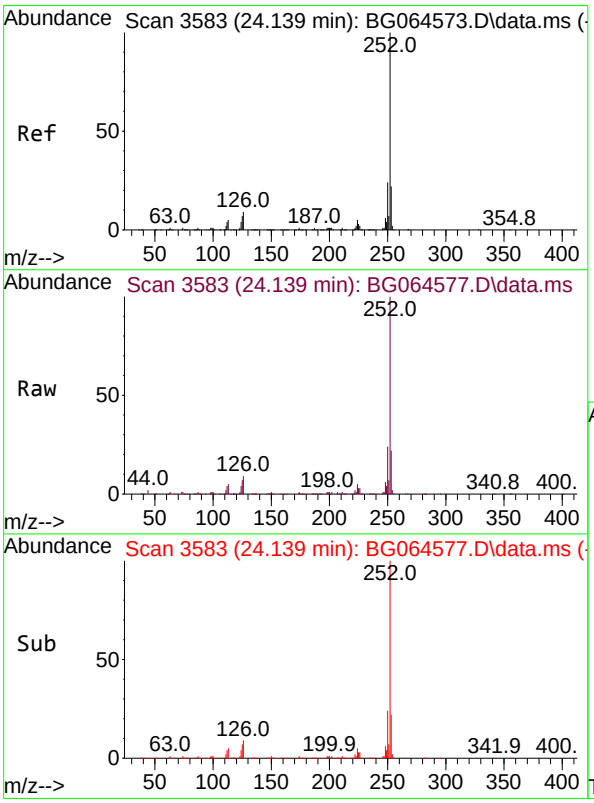
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

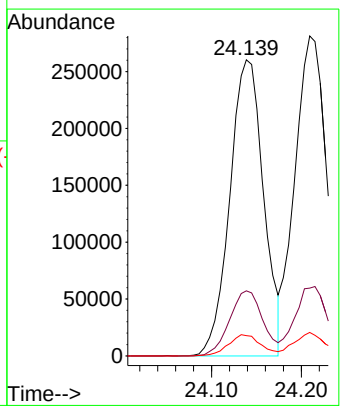


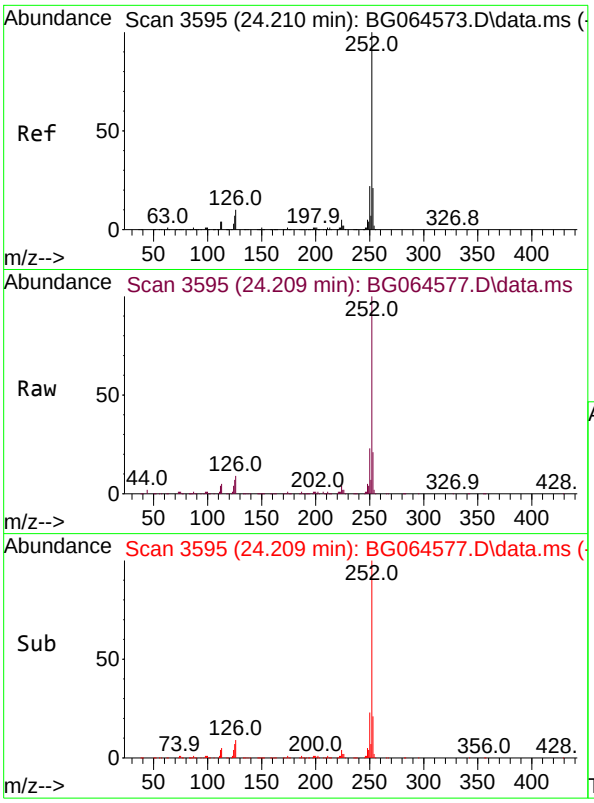


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



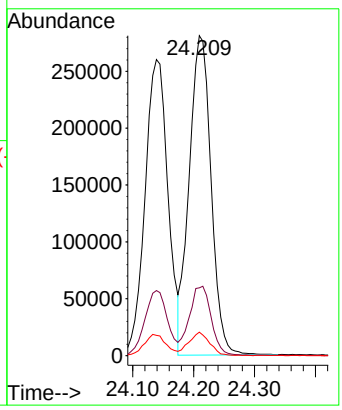


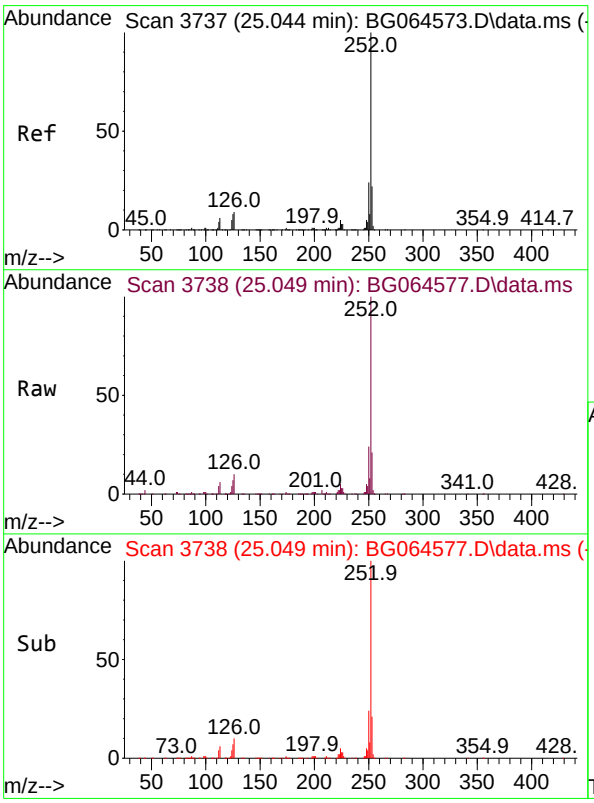
#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

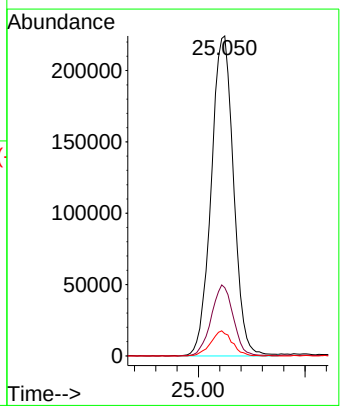


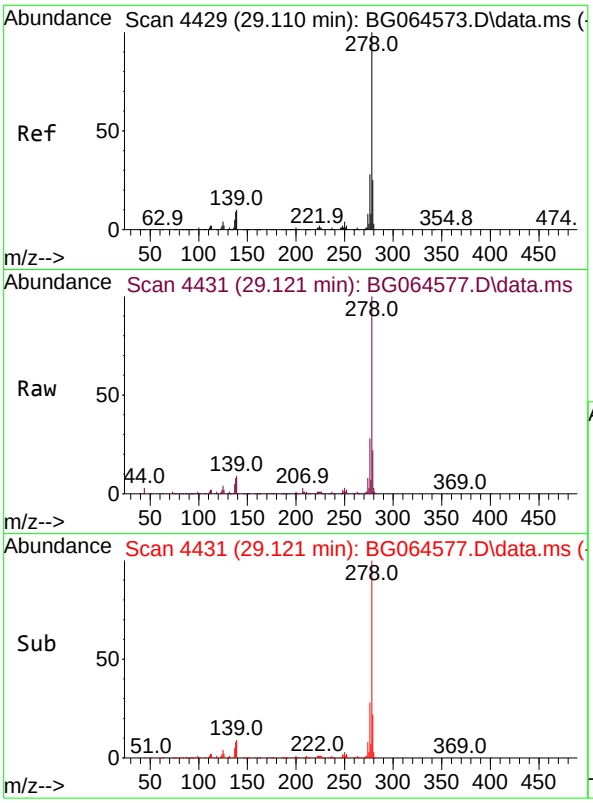


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



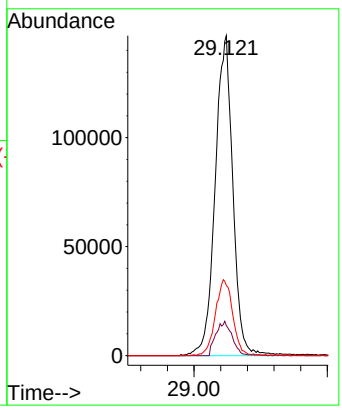


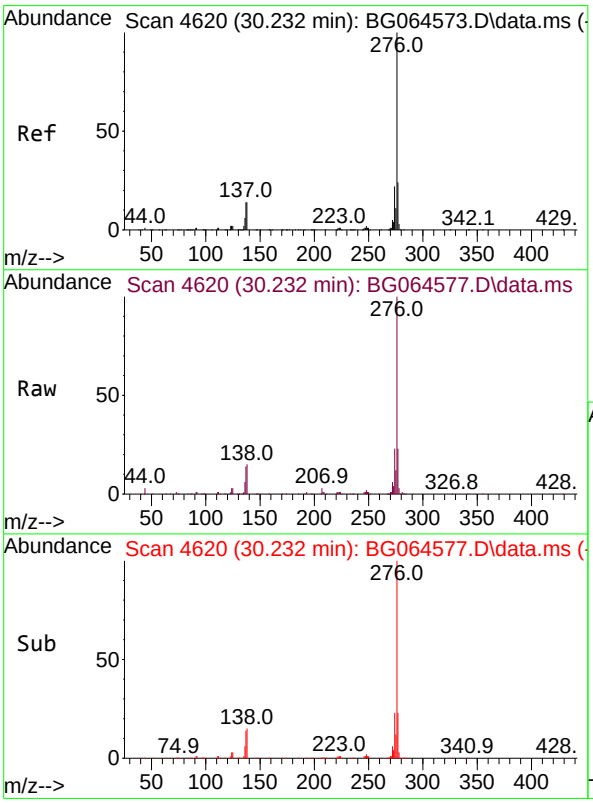
#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. 0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

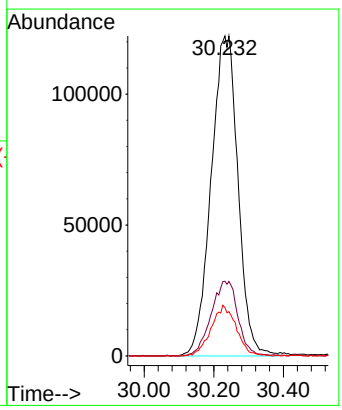




#92
Benzo(g,h,i)perylene
Concen: 37.302 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

Evaluate Continuing Calibration Report

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
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)
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

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP0260
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.472	0.567	0.519	0.515	0.453	0.541	0.510	0.511	7.57
3)		Pyridine		1.330	1.538	1.488	1.481	1.304	1.552	1.475	1.453	6.69
4)		n-Nitrosodimet...			0.601	0.591	0.584	0.522	0.611	0.584	0.582	5.39
5)	S	2-Fluorophenol		1.055	1.255	1.234	1.249	1.123	1.318	1.250	1.212	7.44
6)		Aniline		1.893	2.157	2.117	2.112	1.885	2.158	2.091	2.059	5.76
7)	S	Phenol-d6		1.366	1.580	1.574	1.606	1.425	1.644	1.604	1.543	6.77
8)		2-Chlorophenol		1.116	1.354	1.356	1.403	1.262	1.478	1.426	1.342	8.97
9)		Benzaldehyde			0.856	0.937	0.809	0.670	0.796	0.744	0.802	11.45
10)	C	Phenol		1.542	1.771	1.750	1.773	1.568	1.823	1.761	1.713	6.44
11)		bis(2-Chloroet...		1.271	1.434	1.372	1.373	1.228	1.419	1.363	1.352	5.57
12)		1,3-Dichlorobe...		1.466	1.660	1.572	1.573	1.385	1.610	1.524	1.541	6.00
13)	C	1,4-Dichlorobe...		1.491	1.681	1.585	1.578	1.399	1.633	1.542	1.558	5.97
14)		1,2-Dichlorobe...		1.412	1.595	1.517	1.515	1.338	1.550	1.481	1.487	5.83
15)		Benzyl Alcohol			1.070	1.099	1.140	1.020	1.179	1.165	1.112	5.47
16)		2,2'-oxybis(1-...		1.978	2.210	2.102	2.099	1.846	2.083	1.982	2.043	5.75
17)		2-Methylphenol		0.958	1.129	1.145	1.175	1.057	1.210	1.176	1.121	7.75
18)		Hexachloroethane		0.481	0.562	0.535	0.552	0.490	0.568	0.546	0.533	6.49
19)	P	n-Nitroso-di-n...	0.795	0.894	1.013	1.016	1.027	0.904	1.025	0.986	0.958	8.83
20)		3+4-Methylphenols			1.521	1.557	1.613	1.430	1.646	1.595	1.560	4.96
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.481	0.548	0.519	0.518	0.455	0.525	0.494	0.506	6.14
23)	S	Nitrobenzene-d5		0.256	0.317	0.327	0.338	0.306	0.359	0.343	0.321	10.34
24)		Nitrobenzene		0.282	0.345	0.346	0.357	0.317	0.371	0.354	0.339	8.83
25)		Isophorone		0.606	0.721	0.705	0.720	0.632	0.730	0.693	0.687	7.03
26)	C	2-Nitrophenol		0.069	0.092	0.107	0.128	0.124			0.104	23.21
27)		2,4-Dimethylph...		0.243	0.306	0.281	0.302	0.269	0.315	0.305	0.289	8.90
28)		bis(2-Chloroet...		0.406	0.466	0.436	0.447	0.396	0.451	0.427	0.433	5.79
29)	C	2,4-Dichloroph...		0.241	0.302	0.308	0.327	0.292	0.340	0.324	0.305	10.75
30)		1,2,4-Trichlor...		0.306	0.361	0.337	0.339	0.301	0.347	0.328	0.331	6.52
31)		Naphthalene		1.039	1.181	1.121	1.115	0.978	1.137	1.063	1.091	6.28
32)		Benzoic acid			0.100	0.127	0.168	0.162	0.206	0.213	0.163	26.84
33)		4-Chloroaniline		0.374	0.440	0.427	0.437	0.384	0.445	0.427	0.419	6.80
34)	C	Hexachlorobuta...		0.198	0.231	0.209	0.216	0.190	0.222	0.207	0.211	6.70
35)		Caprolactam			0.099	0.103	0.113	0.099	0.116	0.112	0.107	6.98
36)	C	4-Chloro-3-met...		0.257	0.314	0.325	0.345	0.303	0.356	0.337	0.320	10.33
37)		2-Methylnaphth...		0.717	0.823	0.771	0.795	0.694	0.793	0.750	0.763	6.02
38)		1-Methylnaphth...		0.709	0.801	0.754	0.768	0.663	0.770	0.726	0.742	6.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

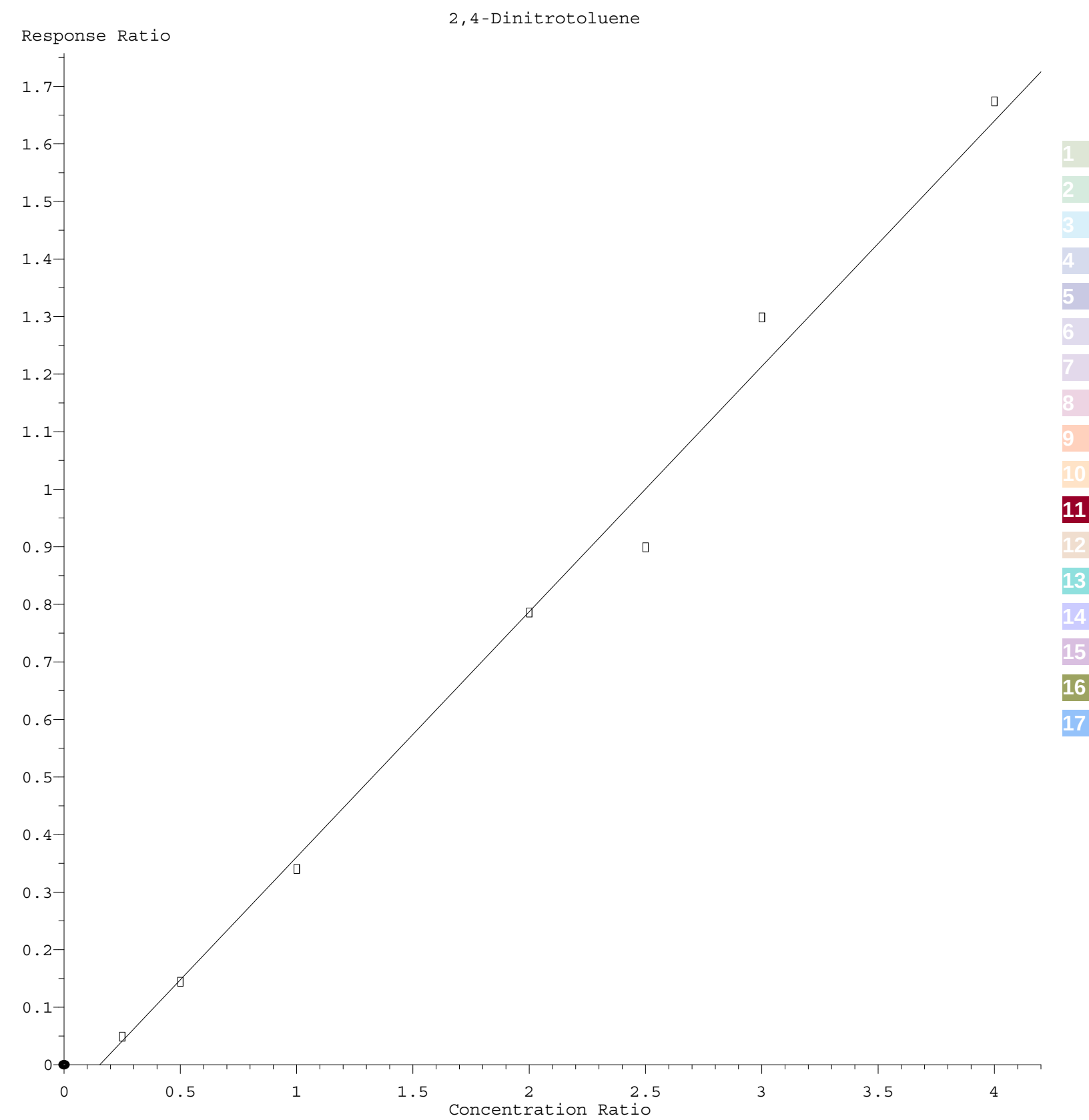
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.670	0.637	0.632	0.565	0.654	0.619	0.621	6.33
41)	P	Hexachlorocycl...		0.200	0.198	0.237	0.218	0.260	0.251	0.227	11.46
42)	S	2,4,6-Tribromo...	0.155	0.211	0.218	0.236	0.209	0.250	0.234	0.216	14.19
43)	C	2,4,6-Trichlor...	0.256	0.342	0.372	0.402	0.360	0.427	0.413	0.367	15.70
44)		2,4,5-Trichlor...	0.309	0.414	0.425	0.456	0.405	0.469	0.456	0.419	12.90
45)	S	2-Fluorobiphenyl	1.350	1.549	1.454	1.421	1.231	1.432	1.307	1.392	7.53
46)		1,1'-Biphenyl	1.454	1.673	1.577	1.560	1.378	1.585	1.493	1.531	6.36
47)		2-Chloronaphth...	1.130	1.304	1.248	1.229	1.090	1.253	1.180	1.205	6.23
48)		2-Nitroaniline	0.166	0.226	0.269	0.304	0.277	0.332	0.329	0.272	21.95
49)		Acenaphthylene	1.547	1.845	1.832	1.832	1.618	1.876	1.742	1.756	7.23
50)		Dimethylphthalate	1.282	1.574	1.491	1.522	1.323	1.554	1.438	1.455	7.81
51)		2,6-Dinitrotol...	0.142	0.196	0.234	0.264	0.245	0.294	0.287	0.237	22.61
52)	C	Acenaphthene	1.101	1.285	1.247	1.249	1.089	1.278	1.192	1.206	6.77
53)		3-Nitroaniline	0.177	0.254	0.296	0.324	0.295	0.351	0.342	0.291	20.65
54)	P	2,4-Dinitrophenol		0.069	0.082	0.100	0.096	0.123	0.126	0.100	22.44
55)		Dibenzofuran	1.725	1.997	1.886	1.869	1.614	1.884	1.776	1.822	6.94
56)	P	4-Nitrophenol		0.277	0.309	0.285	0.258	0.310	0.301	0.290	7.04
57)		2,4-Dinitrotol...	0.195	0.288	0.340	0.393	0.360	0.433	0.418	0.347	23.95
58)		Fluorene	1.347	1.621	1.501	1.450	1.260	1.492	1.319	1.427	8.77
59)		2,3,4,6-Tetrac...	0.223	0.303	0.332	0.364	0.328	0.386	0.370	0.330	16.67
60)		Diethylphthalate	1.240	1.570	1.484	1.549	1.350	1.591	1.454	1.463	8.74
61)		4-Chlorophenyl...	0.699	0.803	0.736	0.731	0.623	0.739	0.658	0.713	8.29
62)		4-Nitroaniline	0.207	0.294	0.328	0.342	0.298	0.368	0.339	0.311	16.92
63)		Azobenzene	1.206	1.475	1.365	1.379	1.188	1.387	1.279	1.325	7.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.053	0.065	0.076	0.075	0.096	0.096	0.077	22.06
66)	c	n-Nitrosodiphe...	0.574	0.678	0.641	0.647	0.567	0.659	0.611	0.625	6.80
67)		4-Bromophenyl-...	0.206	0.234	0.222	0.228	0.204	0.237	0.222	0.222	5.77
68)		Hexachlorobenzene	0.239	0.273	0.256	0.258	0.226	0.268	0.247	0.253	6.53
69)		Atrazine	0.177	0.213	0.221	0.219	0.193	0.239	0.216	0.211	9.57
70)	C	Pentachlorophenol		0.126	0.143	0.161	0.148	0.178	0.170	0.154	12.39
71)		Phenanthrene	1.133	1.288	1.209	1.189	1.031	1.195	1.105	1.164	7.12
72)		Anthracene	1.064	1.262	1.195	1.177	1.044	1.220	1.115	1.154	7.09
73)		Carbazole	0.985	1.172	1.164	1.129	0.969	1.148	1.078	1.092	7.74
74)		Di-n-butylphth...	0.937	1.219	1.241	1.333	1.196	1.378	1.252	1.222	11.57
75)	C	Fluoranthene	1.259	1.469	1.426	1.411	1.224	1.422	1.295	1.358	7.09
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.411	0.508	0.517	0.451	0.598	0.560	0.508	13.50
78)		Pyrene	1.201	1.488	1.395	1.427	1.217	1.431	1.310	1.353	8.25
79)	S	Terphenyl-d14	0.953	1.125	1.013	1.014	0.860	1.019	0.908	0.984	8.77
80)		Butylbenzylpht...	0.235	0.337	0.407	0.496	0.468	0.559	0.520	0.432	26.44
81)		Benzo(a)anthra...	1.279	1.497	1.407	1.420	1.224	1.443	1.350	1.374	6.97
82)		3,3'-Dichlorob...		0.390	0.424	0.462	0.416	0.497	0.467	0.443	8.87
83)		Chrysene	1.210	1.424	1.348	1.345	1.169	1.349	1.268	1.302	6.92
84)		Bis(2-ethylhex...	0.453	0.613	0.690	0.829	0.768	0.866	0.808	0.718	20.27
85)	c	Di-n-octyl pht...		0.822	1.025	1.287	1.238	1.407	1.364	1.191	18.86

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.190	1.491	1.538	1.563	1.369	1.629	1.555	1.477	10.15
88)		Benzo(b)fluora...	1.074	1.277	1.278	1.306	1.149	1.345	1.262	1.242	7.67
89)		Benzo(k)fluora...	1.119	1.365	1.306	1.331	1.141	1.347	1.267	1.268	7.86
90)	C	Benzo(a)pyrene	0.941	1.169	1.171	1.210	1.054	1.253	1.186	1.141	9.38
91)		Dibenzo(a,h)an...	0.978	1.219	1.249	1.274	1.117	1.320	1.255	1.202	9.72
92)		Benzo(g,h,i)pe...	0.966	1.167	1.219	1.212	1.068	1.259	1.204	1.156	8.92

(#) = Out of Range



Response = 4.265e-001 * Amt - 6.582e-002
Coef of Det (r^2) = 0.994519 Curve Fit: wlr(1/a)
Method File: Q:\447TCLP BNA\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

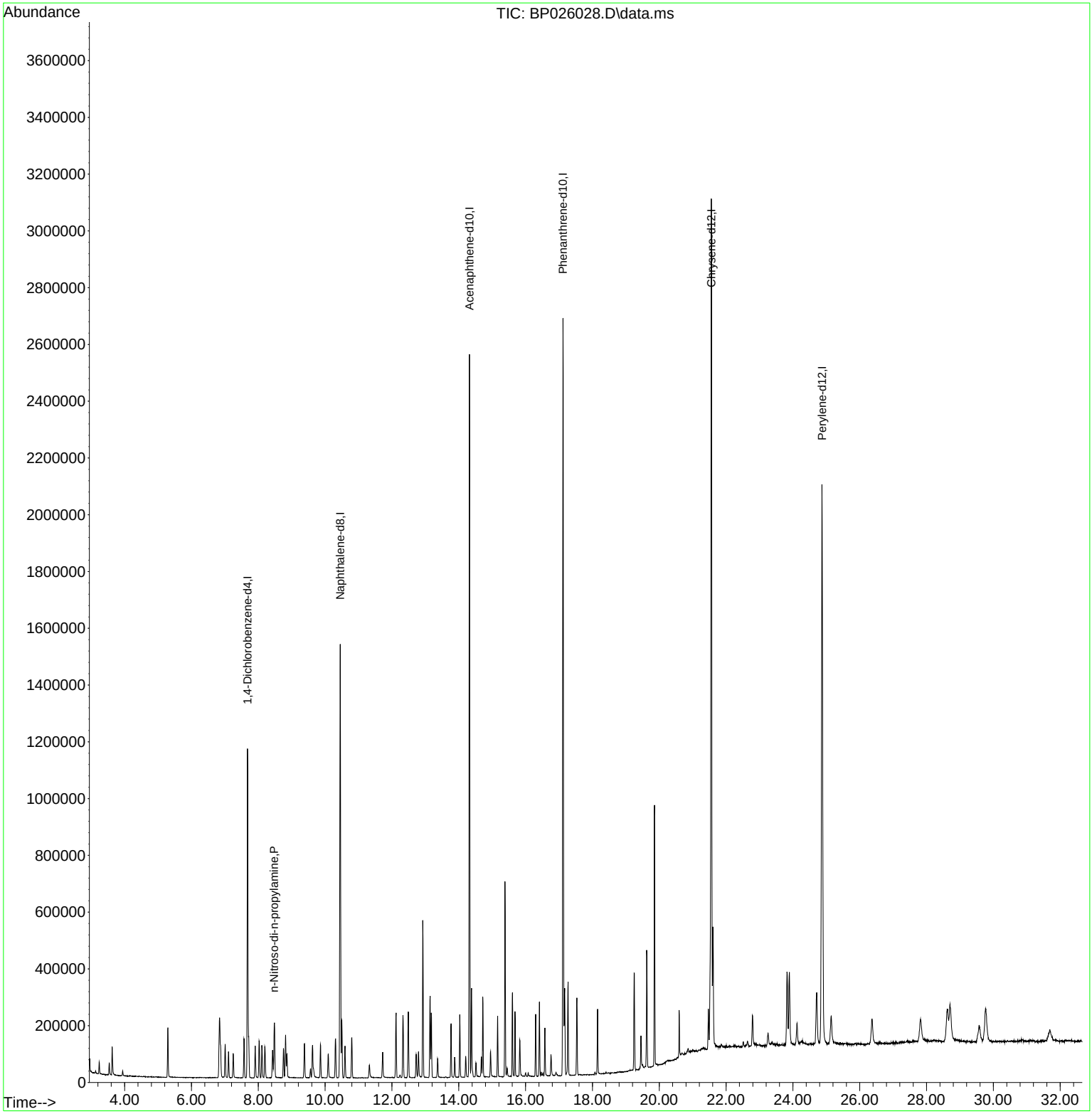
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	314539	20.000	ng	-0.01
21) Naphthalene-d8	10.454	136	1282158	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	817769	20.000	ng	0.00
64) Phenanthrene-d10	17.118	188	1645754	20.000	ng	0.00
76) Chrysene-d12	21.559	240	1828965	20.000	ng	0.00
86) Perylene-d12	24.871	264	1886321	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.472	70	31253	2.075	ng	96

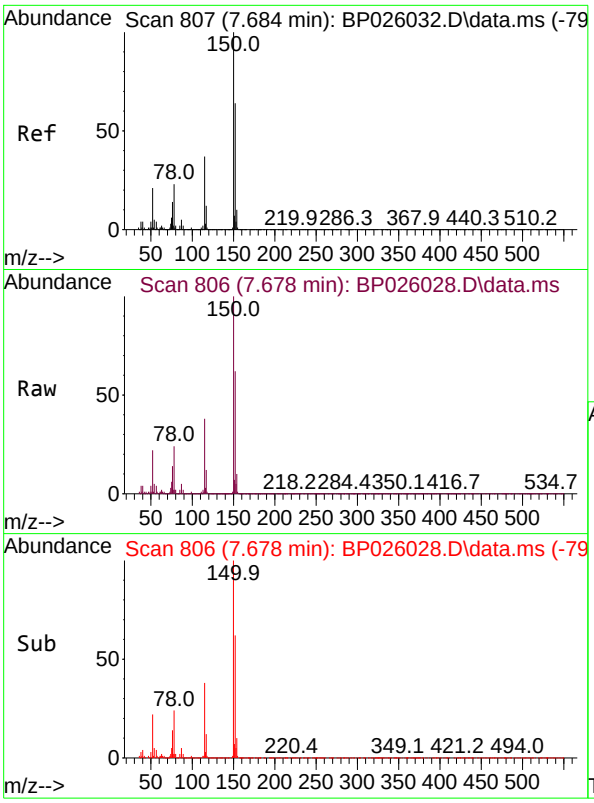
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



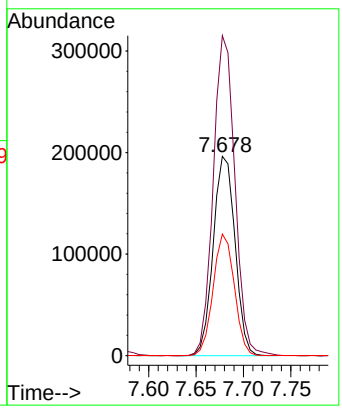


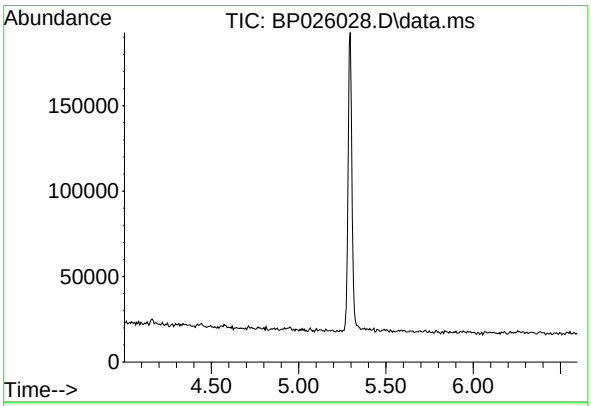
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 314539

Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.7	188.5
115	61.0	46.4	69.6



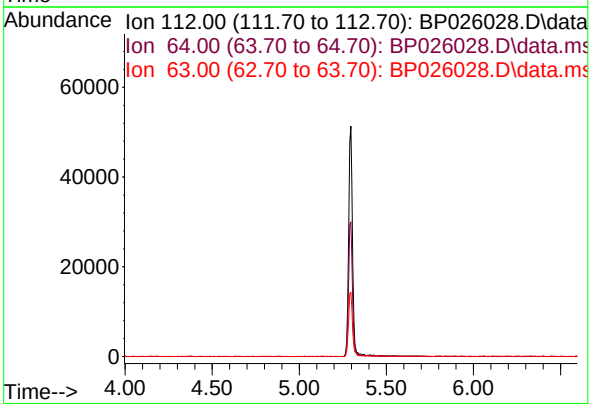


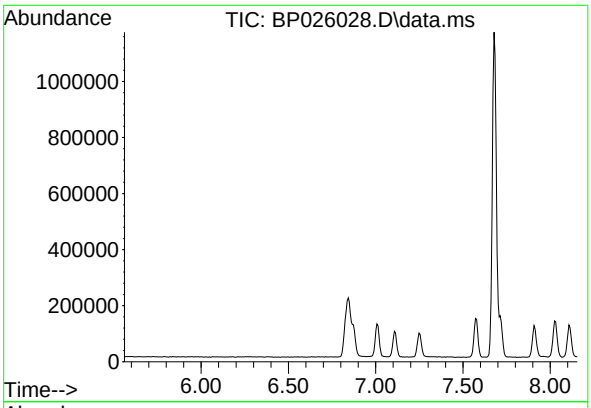
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.30 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.3
63	30.3





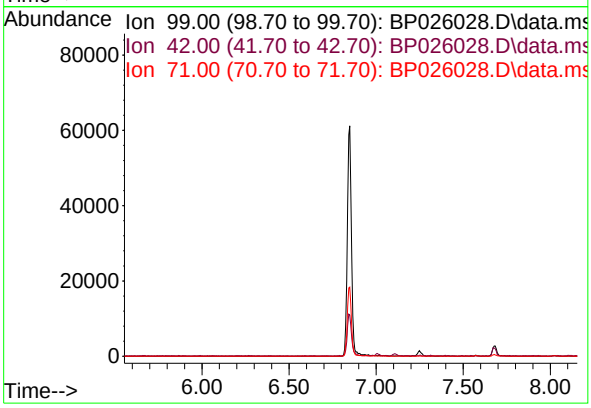
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.85 min

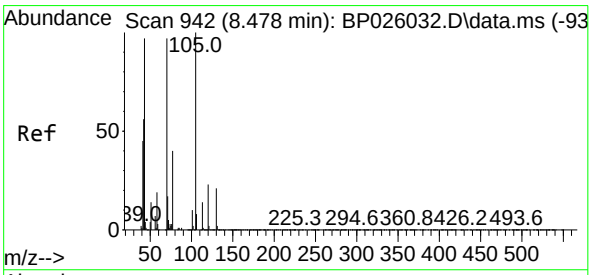
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.1
71	30.5

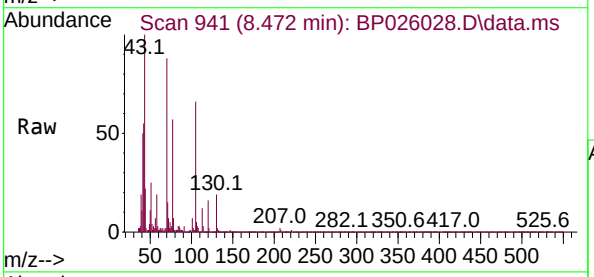


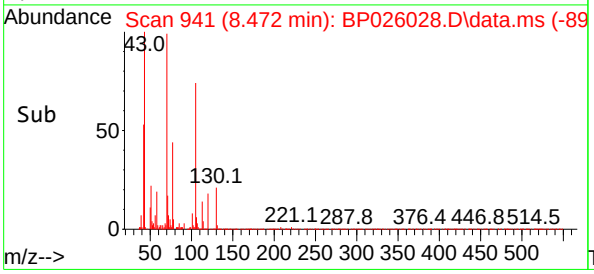


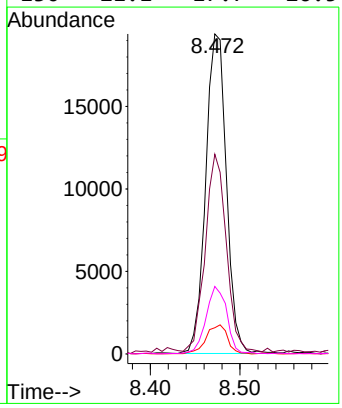
#19
n-Nitroso-di-n-propylamine
Concen: 2.075 ng
RT: 8.472 min Scan# 941
Delta R.T. -0.018 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

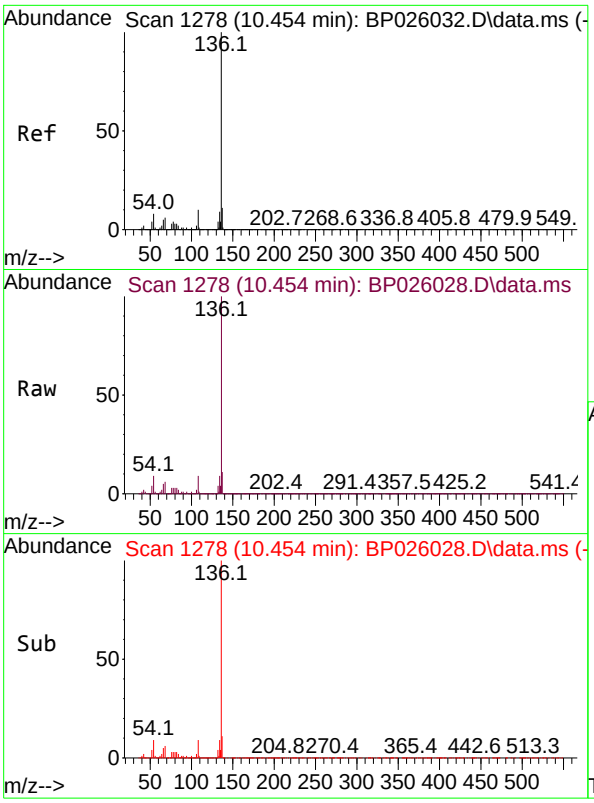
Tgt Ion: 70 Resp: 31253

Ion	Ratio	Lower	Upper
70	100		
42	62.4	47.2	70.8
101	8.2	8.2	12.2
130	21.1	17.7	26.5







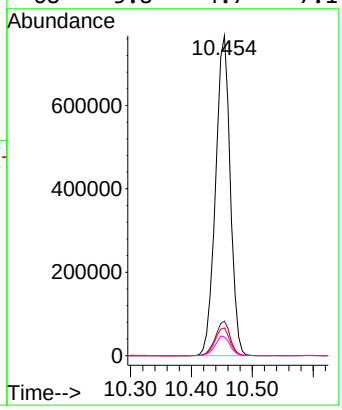


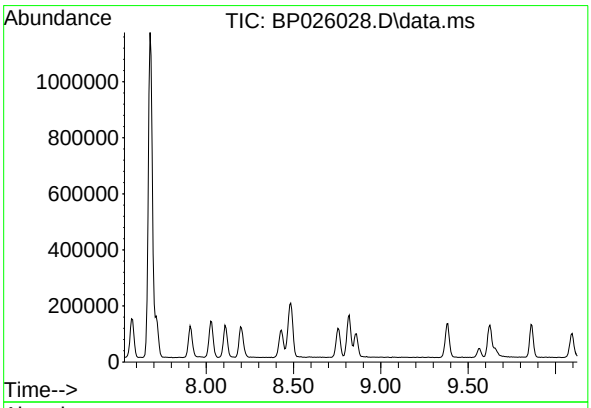
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1282158

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.7	6.6	10.0
68	5.8	4.7	7.1



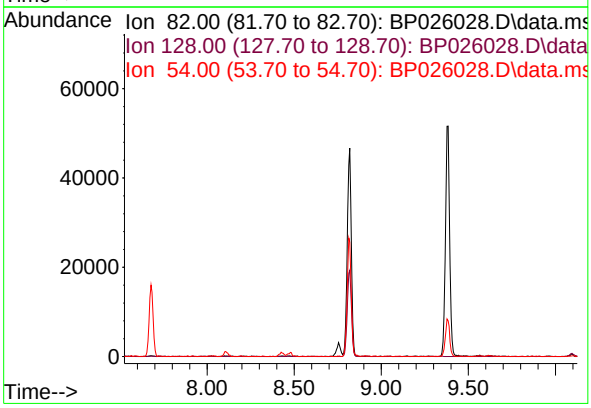


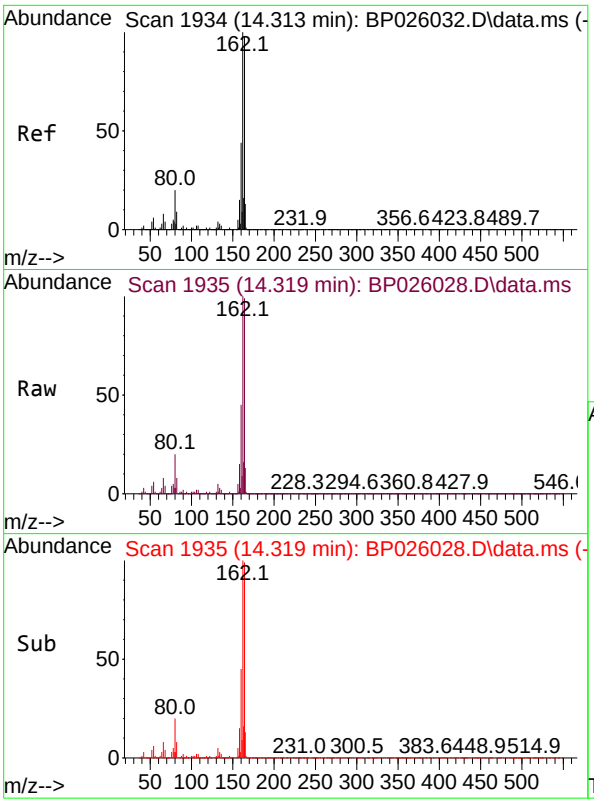
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.82 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.7
54	53.4



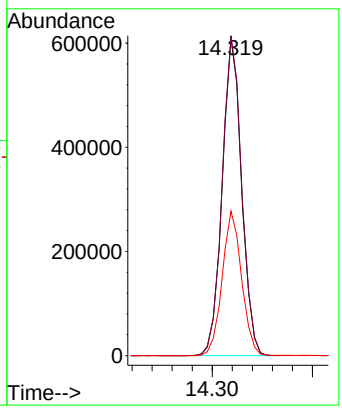


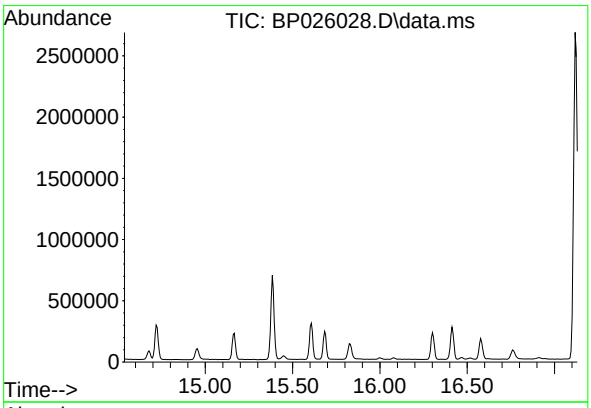
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 817769

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.5	122.3
160	45.5	36.2	54.4



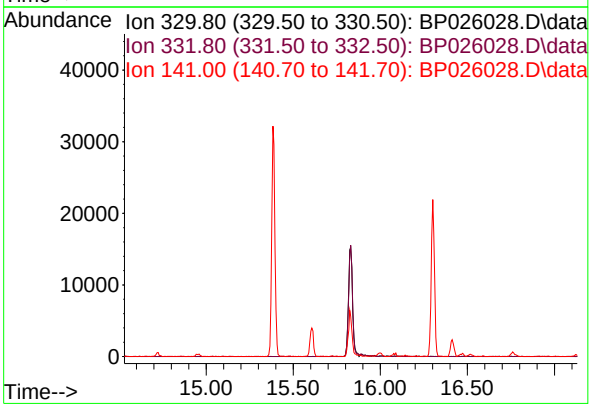


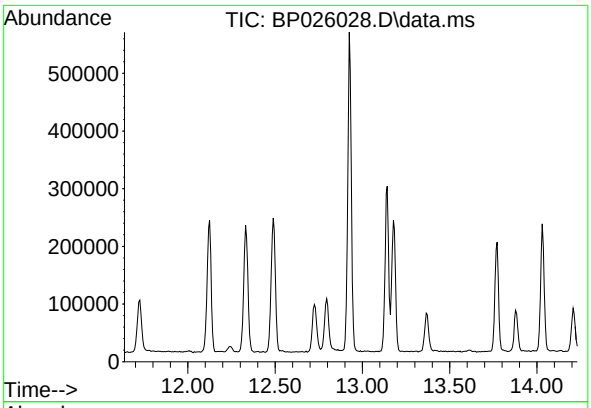
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.83 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	35.7





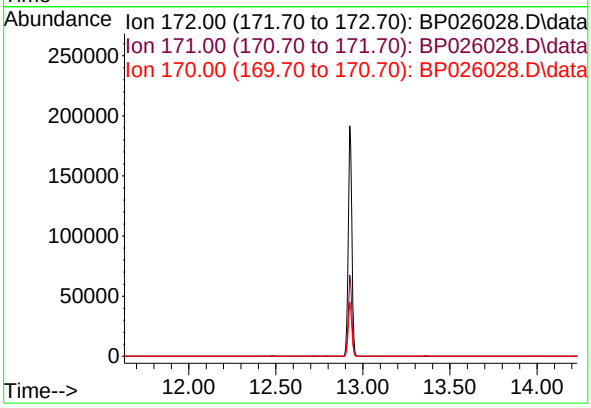
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.93 min

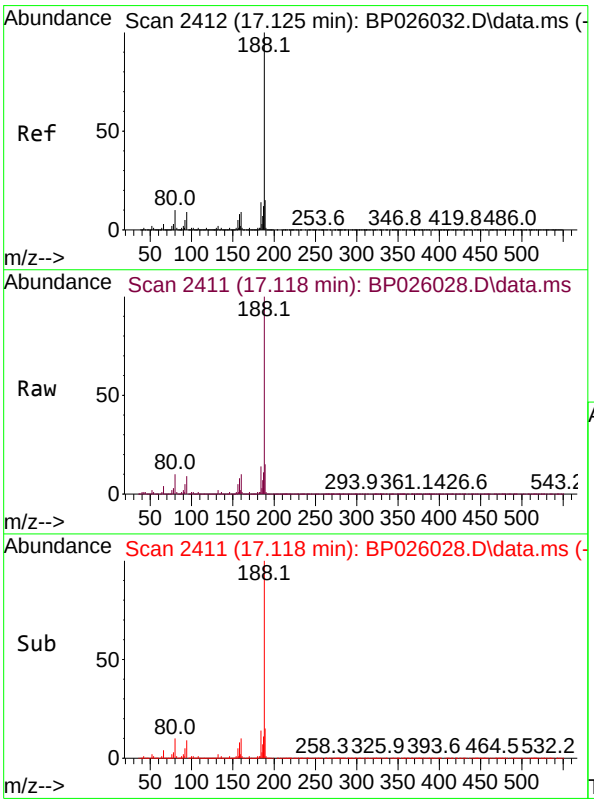
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.9
170	23.7

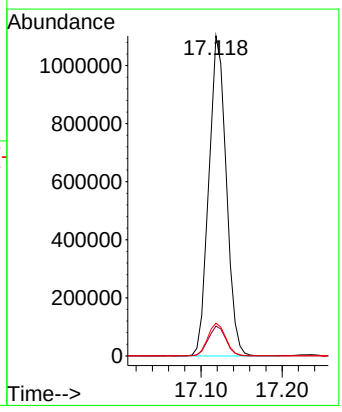


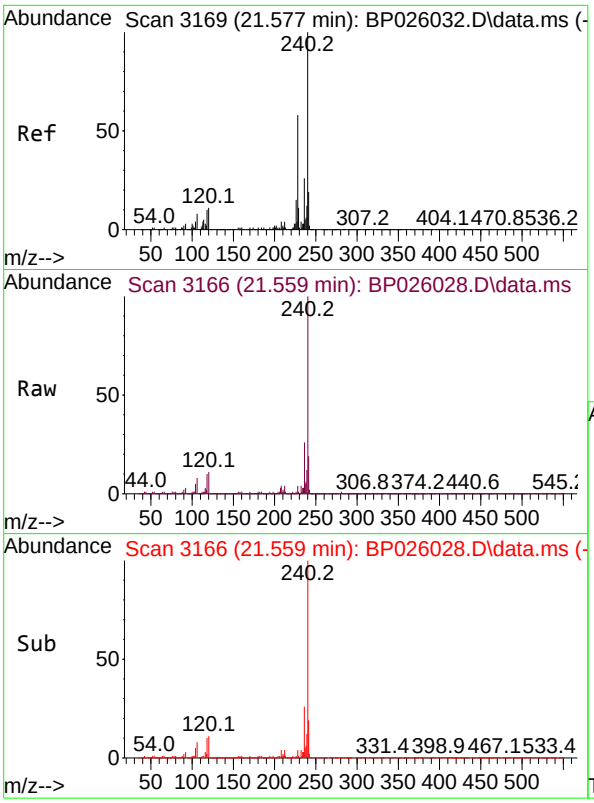


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.118 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion:188 Resp: 1645754

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.2	7.9	11.9



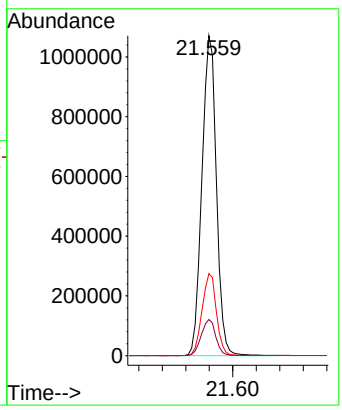


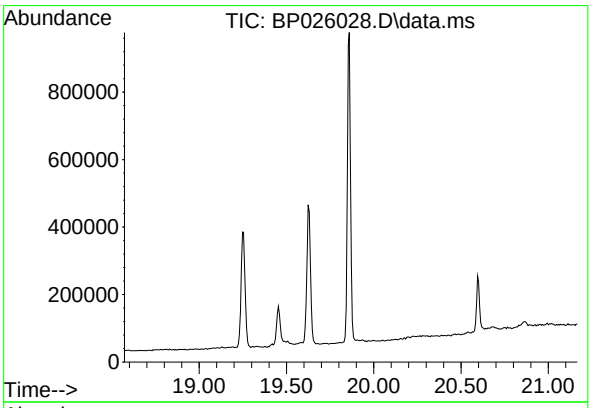
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1828965

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.6	20.6	31.0



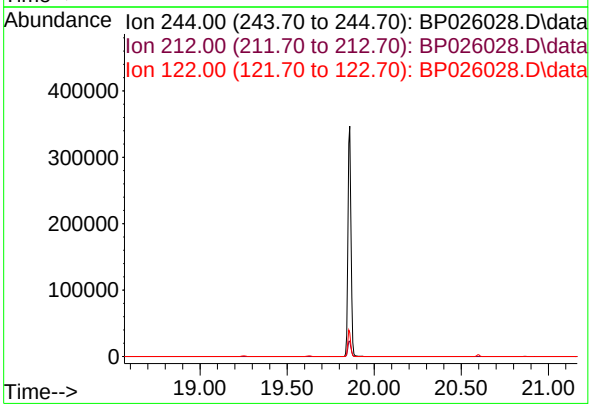


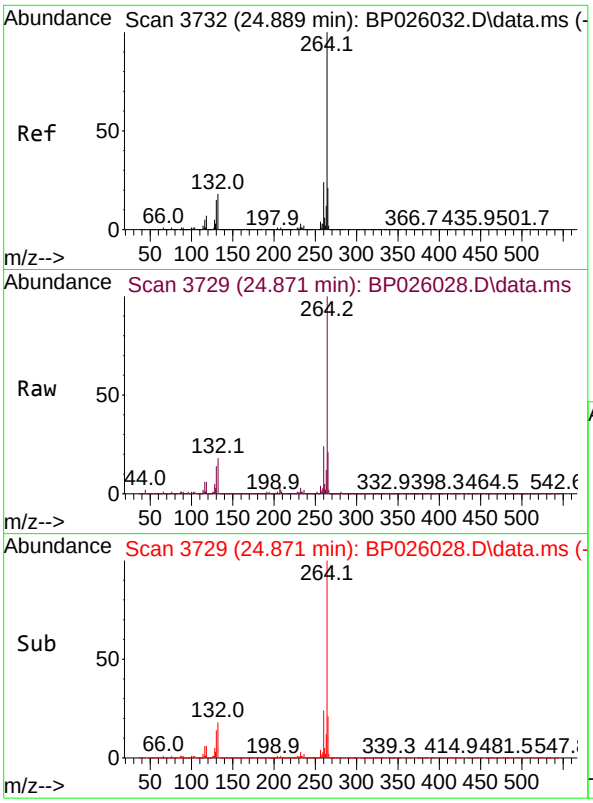
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.87 min

Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	11.3



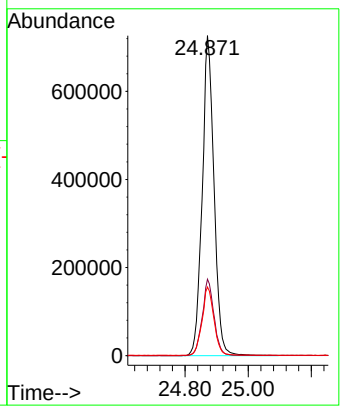


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.871 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP026028.D
Acq: 29 Oct 2025 09:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1886321

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.4	17.2	25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	341461	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1420199	20.000	ng		0.00
39) Acenaphthene-d10	14.313	164	925892	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	1817309	20.000	ng		0.00
76) Chrysene-d12	21.572	240	2025692	20.000	ng		0.00
86) Perylene-d12	24.860	264	2104784	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	180174	8.707	ng		0.00
7) Phenol-d6	6.849	99	233297	8.858	ng		0.00
23) Nitrobenzene-d5	8.819	82	182124	7.994	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	71861	7.179	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	624927	9.698	ng		0.00
79) Terphenyl-d14	19.866	244	964860	9.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	40256	4.615	ng		98
3) Pyridine	3.626	79	113576	4.580	ng		99
6) Aniline	7.014	93	161620	4.598	ng		99
8) 2-Chlorophenol	7.255	128	95293	4.159	ng		95
10) Phenol	6.872	94	131630	4.502	ng		98
11) bis(2-Chloroethyl)ether	7.108	93	108520	4.703	ng		98
12) 1,3-Dichlorobenzene	7.578	146	125141	4.755	ng		98
13) 1,4-Dichlorobenzene	7.719	146	127251	4.783	ng		98
14) 1,2-Dichlorobenzene	8.025	146	120561	4.748	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	168852	4.841	ng		99
17) 2-Methylphenol	8.108	107	81751	4.270	ng		99
18) Hexachloroethane	8.749	117	41029	4.506	ng		98
19) n-Nitroso-di-n-propyla...	8.472	70	76340	4.669	ng		98
22) Acetophenone	8.484	105	170727	4.753	ng	#	98
24) Nitrobenzene	8.861	77	100098	4.161	ng		95
25) Isophorone	9.378	82	215193	4.413	ng		98
26) 2-Nitrophenol	9.566	139	24644	5.305	ng		98
27) 2,4-Dimethylphenol	9.625	122	86372	4.212	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	144278	4.695	ng		100
29) 2,4-Dichlorophenol	10.090	162	85429	3.946	ng		98
30) 1,2,4-Trichlorobenzene	10.313	180	108660	4.617	ng		98
31) Naphthalene	10.502	128	368922	4.764	ng		99
33) 4-Chloroaniline	10.602	127	132749	4.461	ng		98
34) Hexachlorobutadiene	10.796	225	70220	4.696	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	91199	4.018	ng		99
37) 2-Methylnaphthalene	12.113	142	254416	4.694	ng		99
38) 1-Methylnaphthalene	12.343	142	251883	4.783	ng		97
40) 1,2,4,5-Tetrachloroben...	12.484	216	132759	4.615	ng		99
43) 2,4,6-Trichlorophenol	12.731	196	59158	3.479	ng		99
44) 2,4,5-Trichlorophenol	12.796	196	71602	3.690	ng		97
46) 1,1'-Biphenyl	13.137	154	336536	4.747	ng		99
47) 2-Chloronaphthalene	13.178	162	261657	4.691	ng		97
48) 2-Nitroaniline	13.372	65	38315	5.289	ng		96
49) Acenaphthylene	14.031	152	358129	4.405	ng		100
50) Dimethylphthalate	13.772	163	296661	4.405	ng		100
51) 2,6-Dinitrotoluene	13.878	165	32784	5.334	ng		89

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

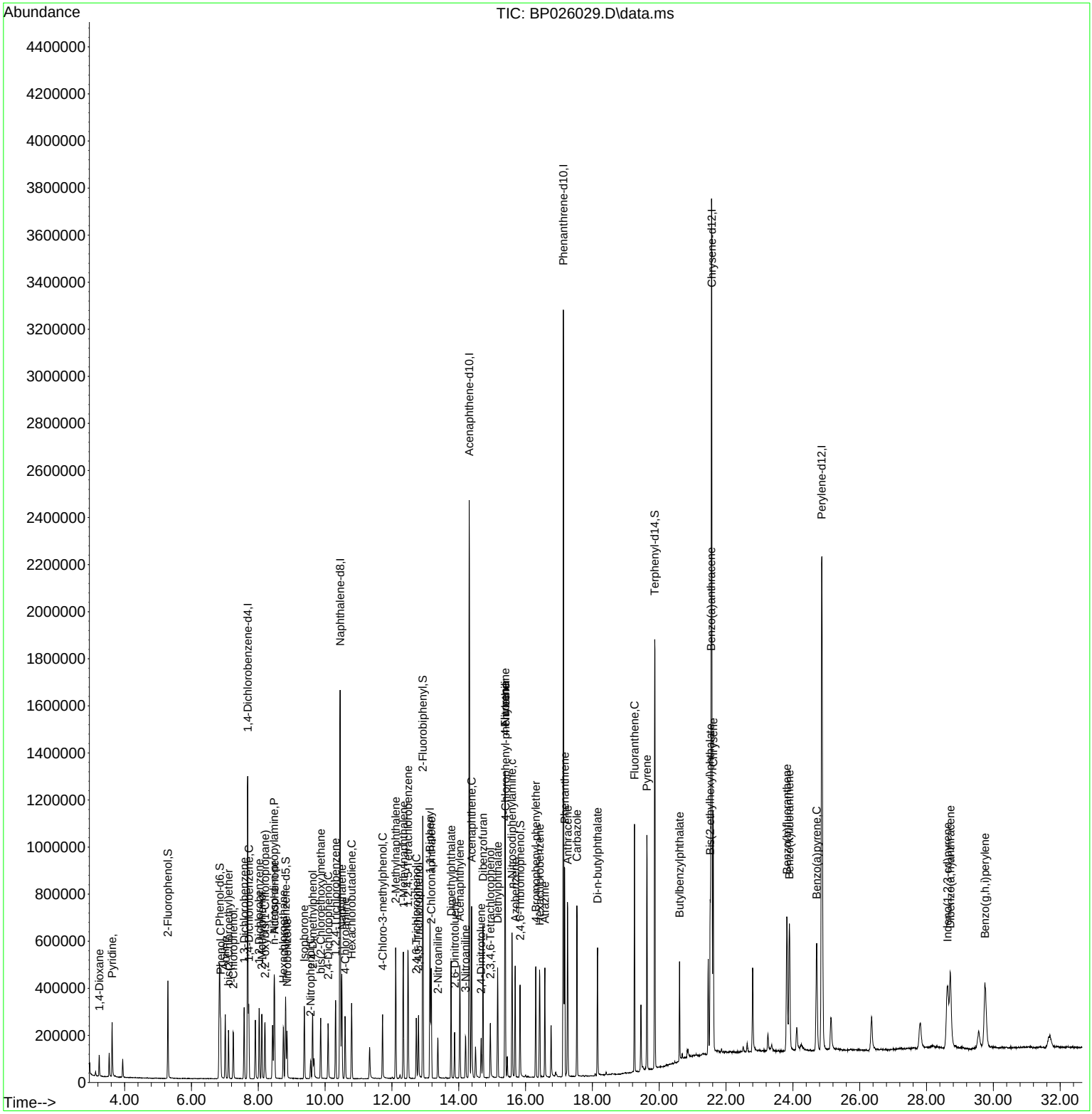
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.384	154	254758	4.564	ng		97
53) 3-Nitroaniline	14.201	138	40998	5.191	ng	#	90
55) Dibenzofuran	14.725	168	399319	4.735	ng		99
57) 2,4-Dinitrotoluene	14.672	165	45113	5.098	ng		98
58) Fluorene	15.384	166	311704	4.718	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.948	232	51676	3.387	ng		96
60) Diethylphthalate	15.166	149	287071	4.240	ng		98
61) 4-Chlorophenyl-phenyle...	15.396	204	161882	4.907	ng		96
62) 4-Nitroaniline	15.390	138	47887	3.327	ng		90
63) Azobenzene	15.690	77	279169	4.550	ng		99
66) n-Nitrosodiphenylamine	15.595	169	260751	4.589	ng		99
67) 4-Bromophenyl-phenylether	16.307	248	93744	4.650	ng		97
68) Hexachlorobenzene	16.419	284	108797	4.741	ng		99
69) Atrazine	16.578	200	80346	4.192	ng		99
71) Phenanthrene	17.172	178	514616	4.865	ng		99
72) Anthracene	17.260	178	483312	4.609	ng		99
73) Carbazole	17.537	167	447699	4.511	ng		99
74) Di-n-butylphthalate	18.154	149	425656	3.833	ng		99
75) Fluoranthene	19.260	202	572045	4.636	ng		98
78) Pyrene	19.631	202	608386	4.441	ng		99
80) Butylbenzylphthalate	20.607	149	118757	5.554	ng		97
81) Benzo(a)anthracene	21.548	228	647742	4.653	ng		99
83) Chrysene	21.613	228	612715	4.647	ng		100
84) Bis(2-ethylhexyl)phtha...	21.525	149	229182	5.327	ng		99
87) Indeno(1,2,3-cd)pyrene	28.630	276	626036	4.030	ng		97
88) Benzo(b)fluoranthene	23.824	252	565252	4.326	ng		98
89) Benzo(k)fluoranthene	23.895	252	588563	4.411	ng		97
90) Benzo(a)pyrene	24.713	252	495105	4.124	ng		99
91) Dibenzo(a,h)anthracene	28.712	278	514485	4.069	ng		97
92) Benzo(g,h,i)perylene	29.748	276	508408	4.178	ng		98

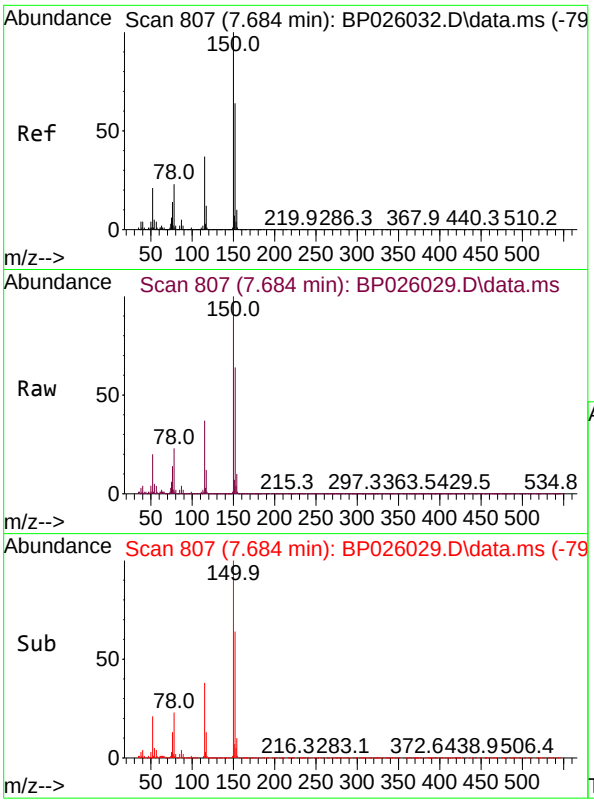
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



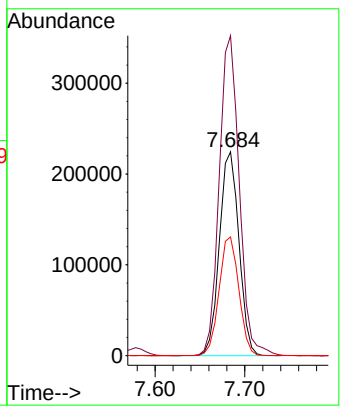


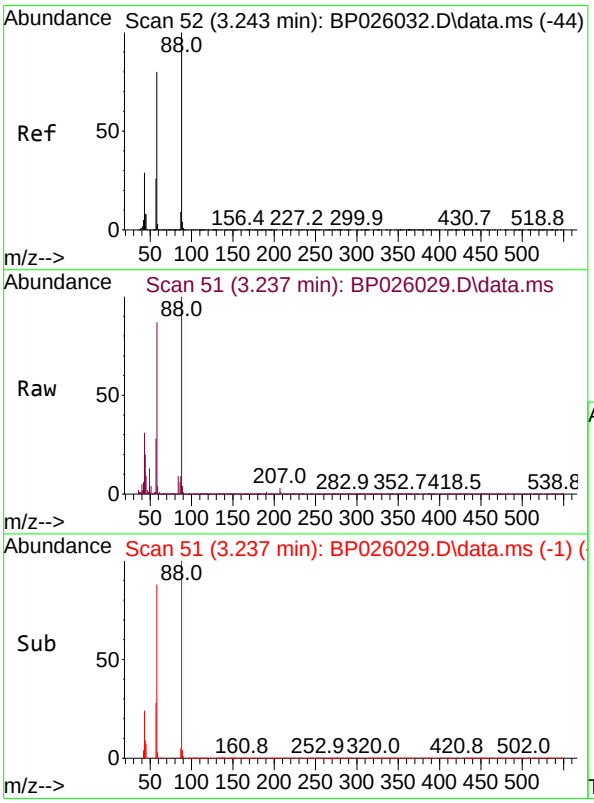
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 341461

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.7	188.5
115	58.3	46.4	69.6

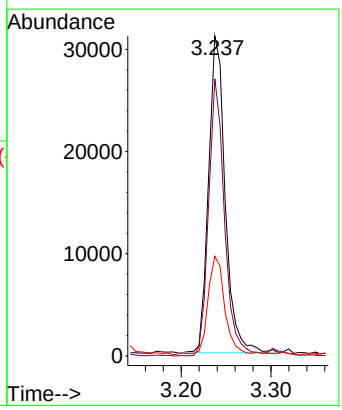


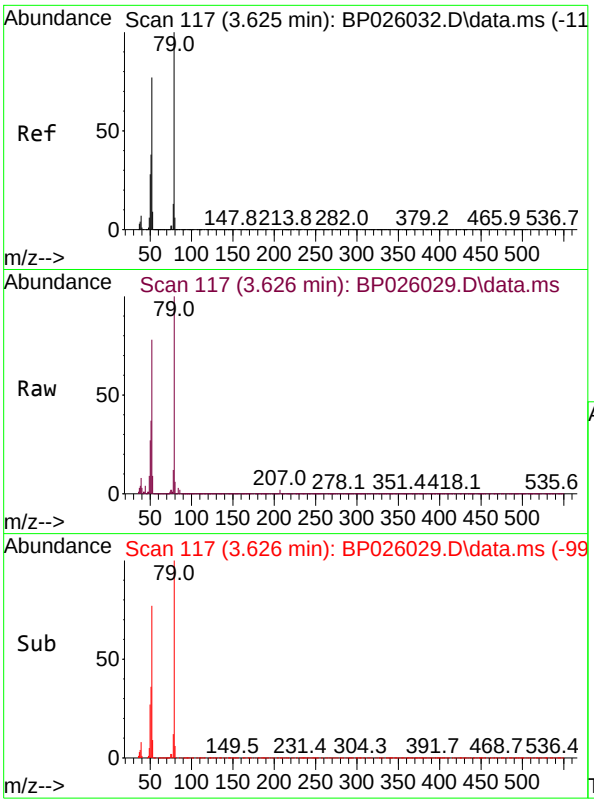


#2
1,4-Dioxane
Concen: 4.615 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 88 Resp: 40256

Ion	Ratio	Lower	Upper
88	100		
58	83.2	65.4	98.0
43	31.1	23.1	34.7



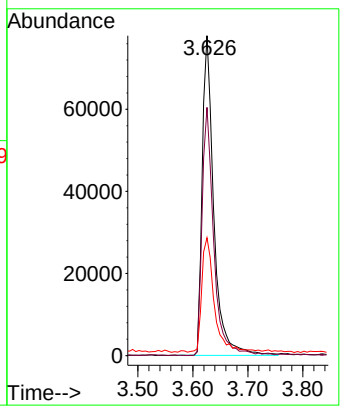


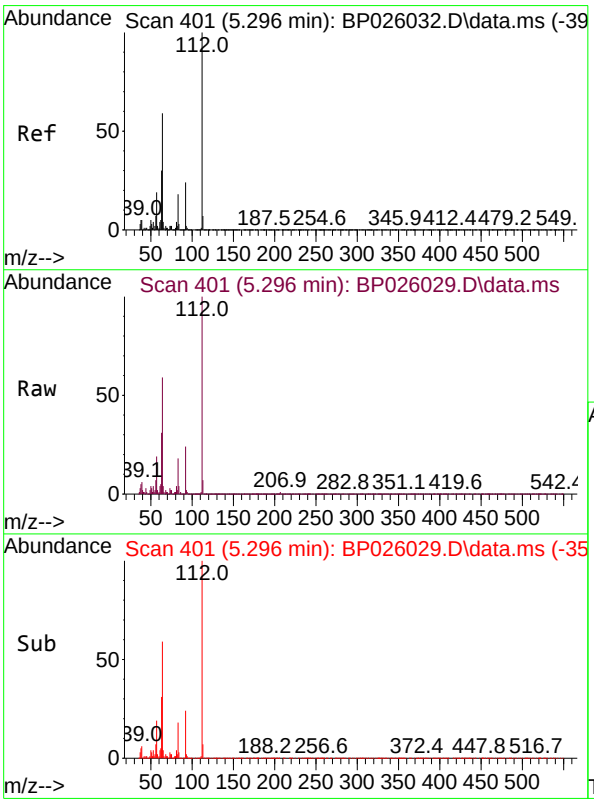
#3
Pyridine
Concen: 4.580 ng
RT: 3.626 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 113576

Ion	Ratio	Lower	Upper
79	100		
52	77.6	62.0	93.0
51	36.8	30.6	46.0

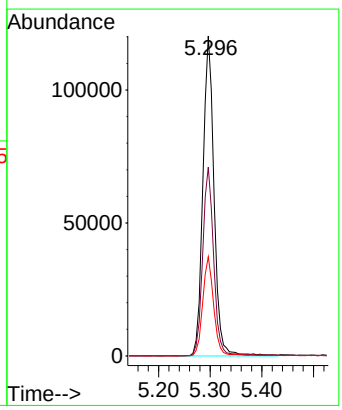


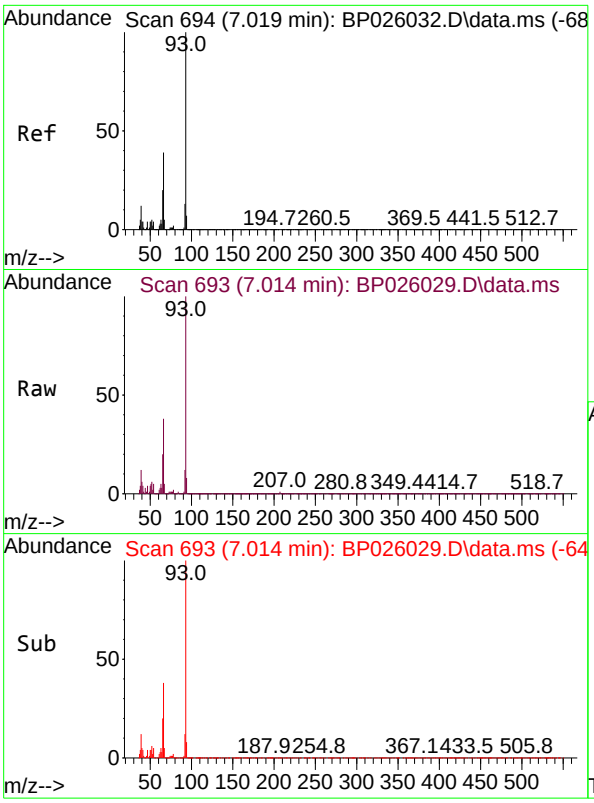


#5
2-Fluorophenol
Concen: 8.707 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:112 Resp: 180174

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.4	71.2
63	31.0	24.2	36.4



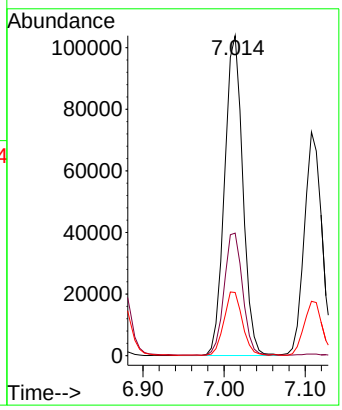


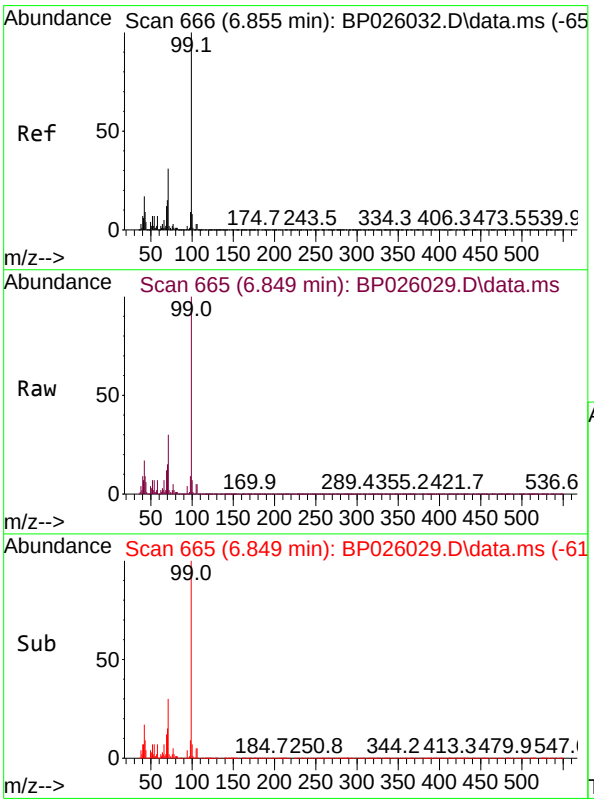
#6
Aniline
Concen: 4.598 ng
RT: 7.014 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 161620

Ion	Ratio	Lower	Upper
93	100		
66	38.3	31.2	46.8
65	19.7	16.1	24.1

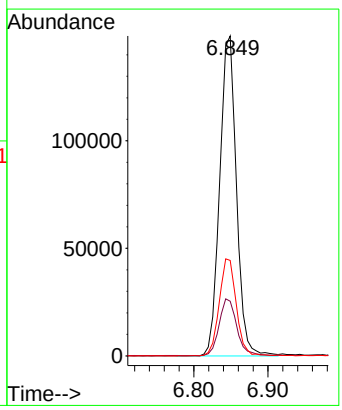


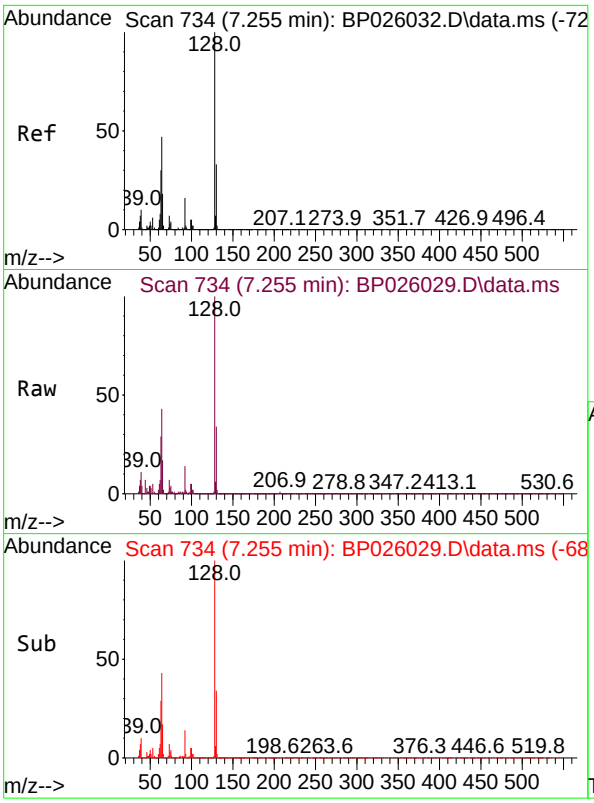


#7
Phenol-d6
Concen: 8.858 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 99 Resp: 233297

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	29.8	24.4	36.6



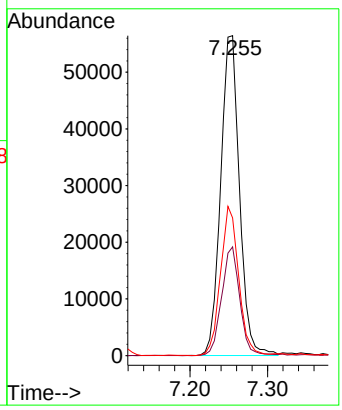


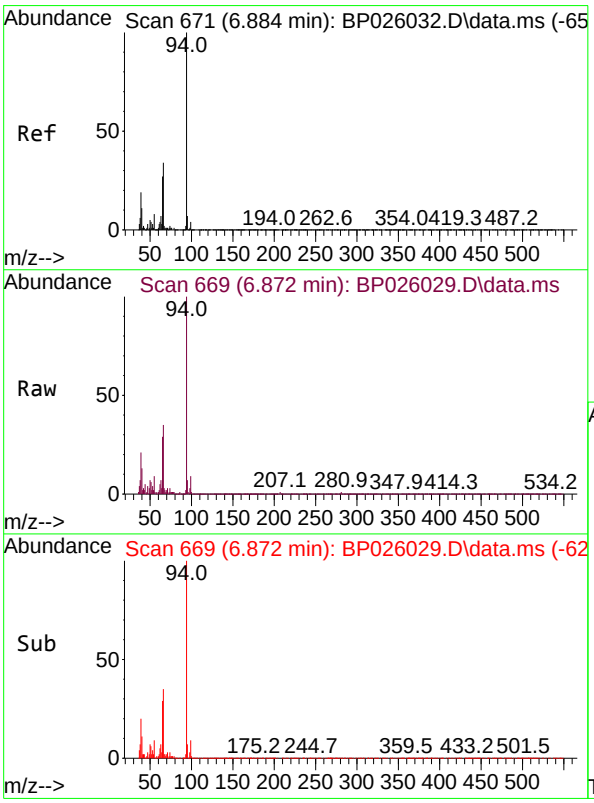
#8
2-Chlorophenol
Concen: 4.159 ng
RT: 7.255 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 95293

Ion	Ratio	Lower	Upper
128	100		
130	34.0	12.7	52.7
64	43.0	27.4	67.4

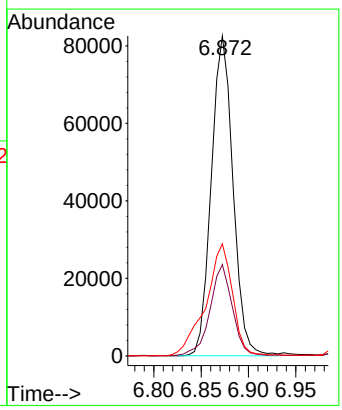


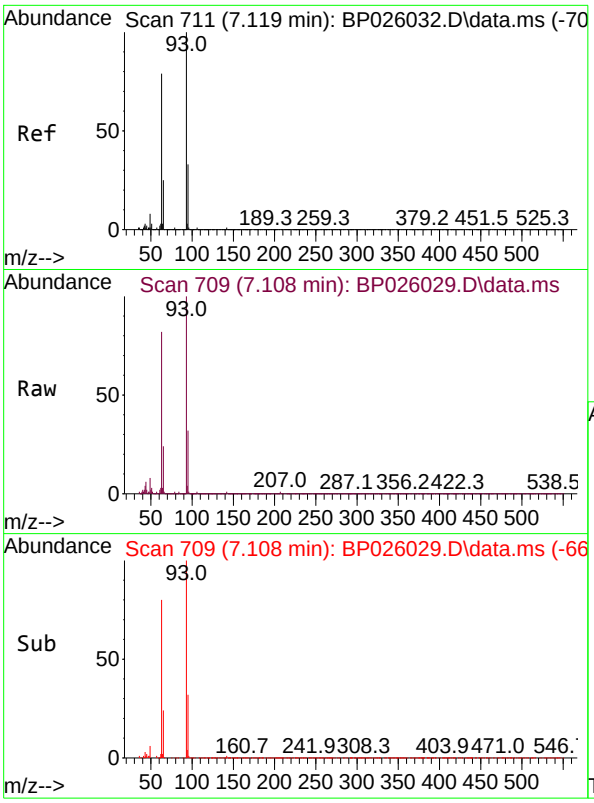


#10
Phenol
Concen: 4.502 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 94 Resp: 131630

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.1	47.1
66	35.0	14.4	54.4



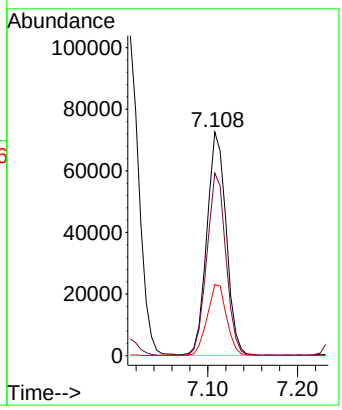


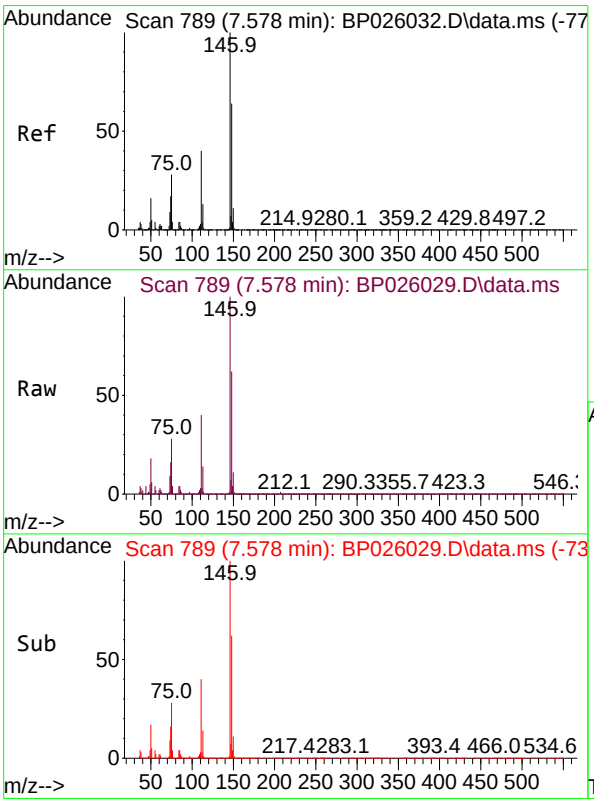
#11
bis(2-Chloroethyl)ether
Concen: 4.703 ng
RT: 7.108 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 108520

Ion	Ratio	Lower	Upper
93	100		
63	81.6	59.1	99.1
95	31.7	12.6	52.6

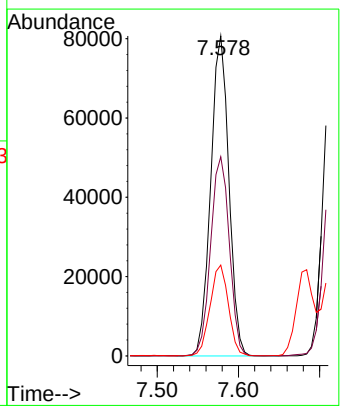


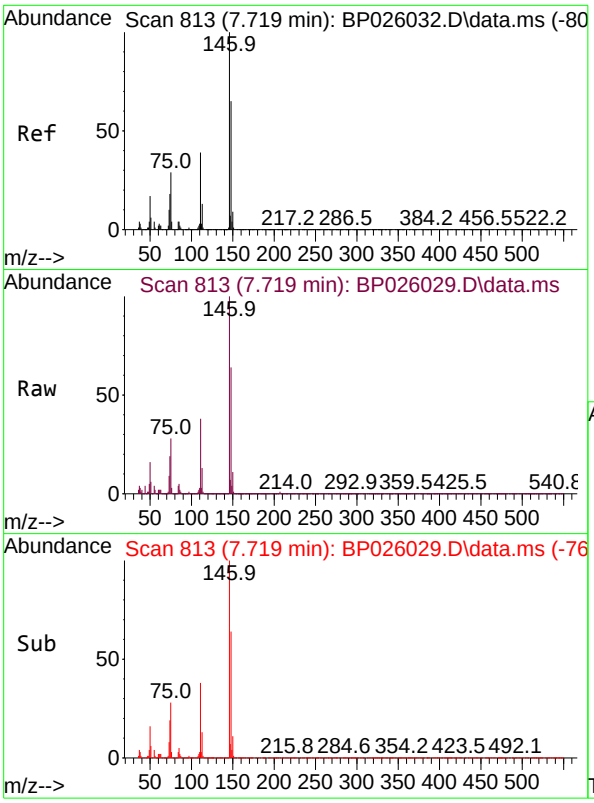


#12
1,3-Dichlorobenzene
Concen: 4.755 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:146 Resp: 125141

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.6	77.4
75	28.4	22.6	33.8



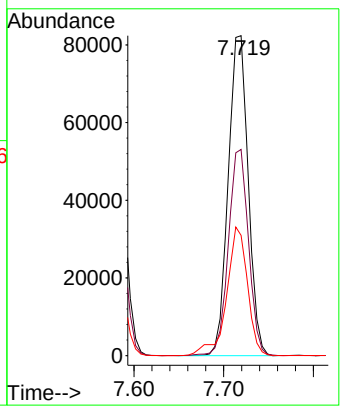


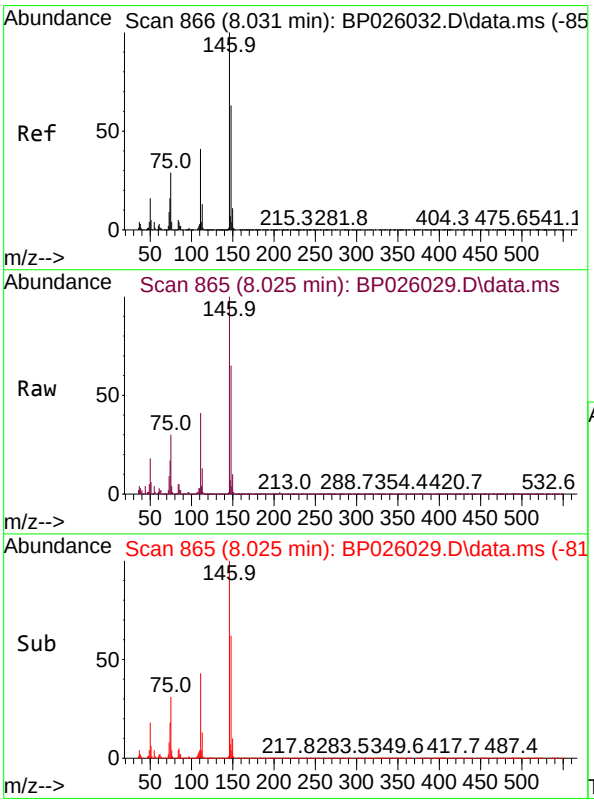
#13
1,4-Dichlorobenzene
Concen: 4.783 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 127251

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	37.6	31.3	46.9

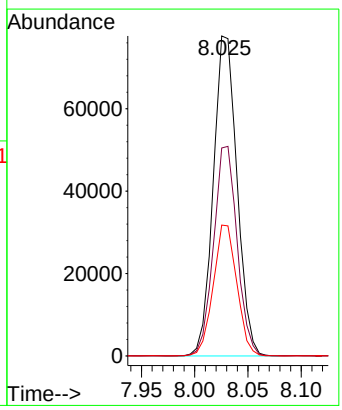


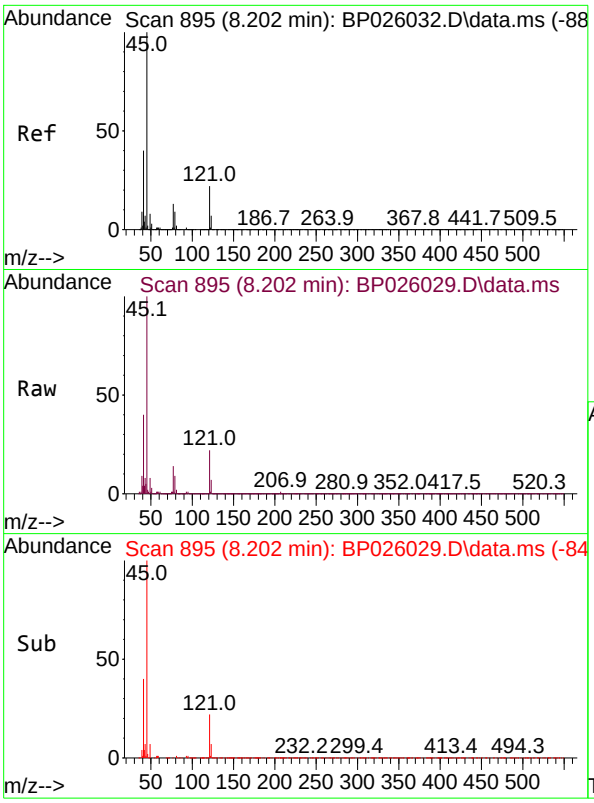


#14
1,2-Dichlorobenzene
Concen: 4.748 ng
RT: 8.025 min Scan# 865
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:146 Resp: 120561

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.9	33.0	49.4



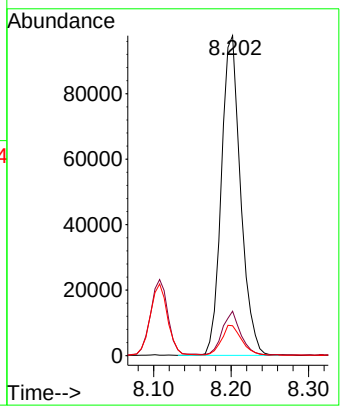


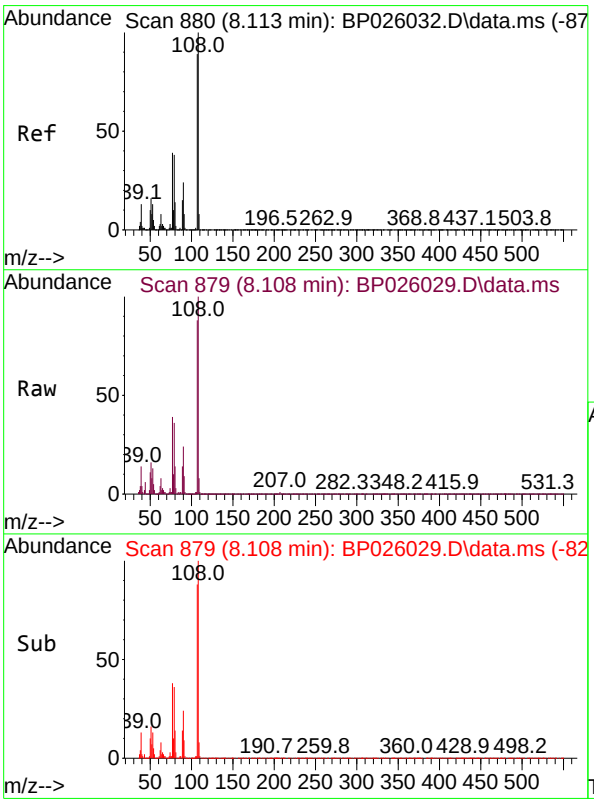
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.841 ng
RT: 8.202 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 168852

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.2
79	9.3	0.0	29.5

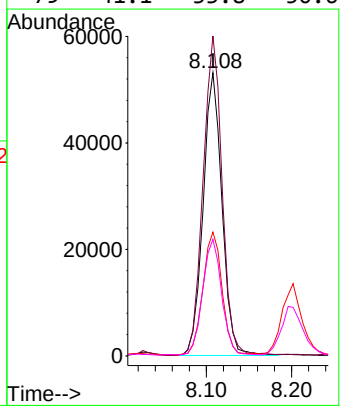


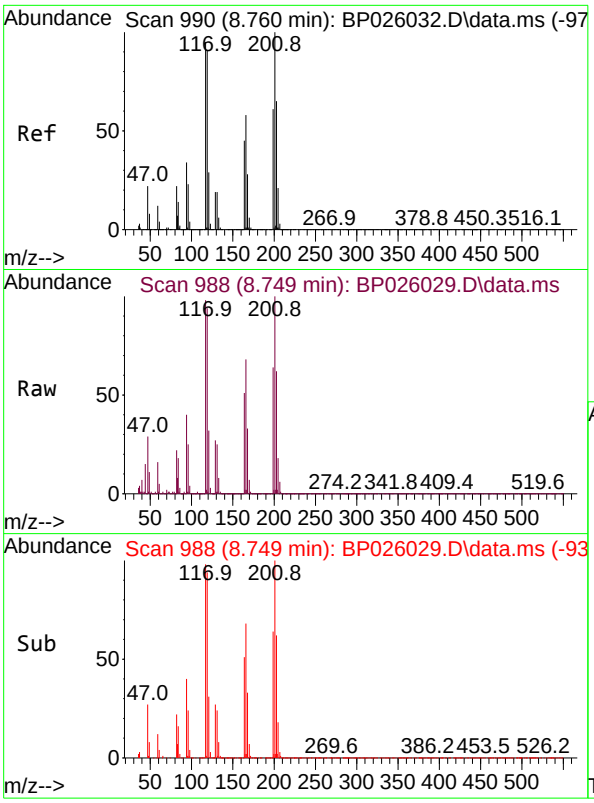


#17
2-Methylphenol
Concen: 4.270 ng
RT: 8.108 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:107 Resp: 81751

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.8	134.8
77	43.7	34.8	52.2
79	41.1	33.8	50.6



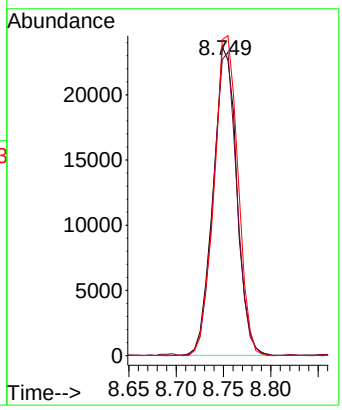


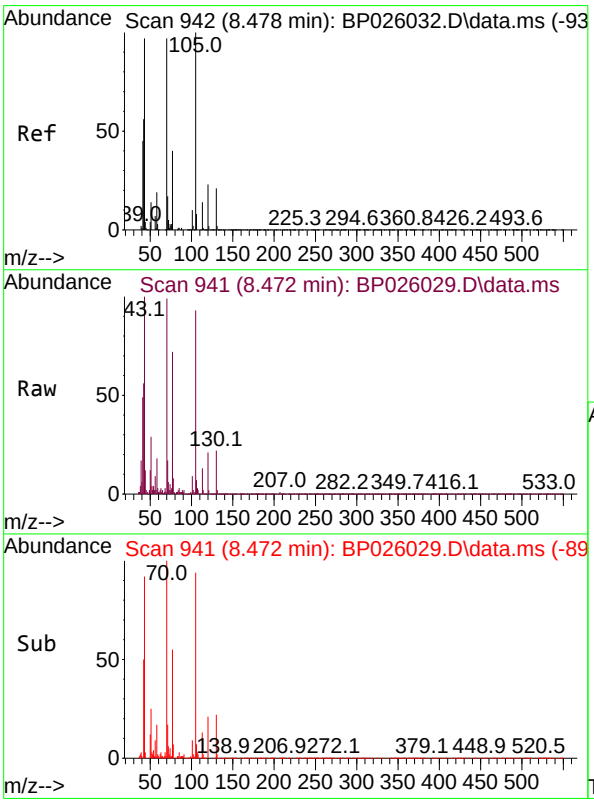
#18
Hexachloroethane
Concen: 4.506 ng
RT: 8.749 min Scan# 98
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 41029

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	102.3	84.2	126.4

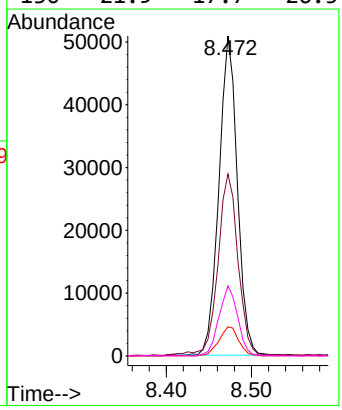


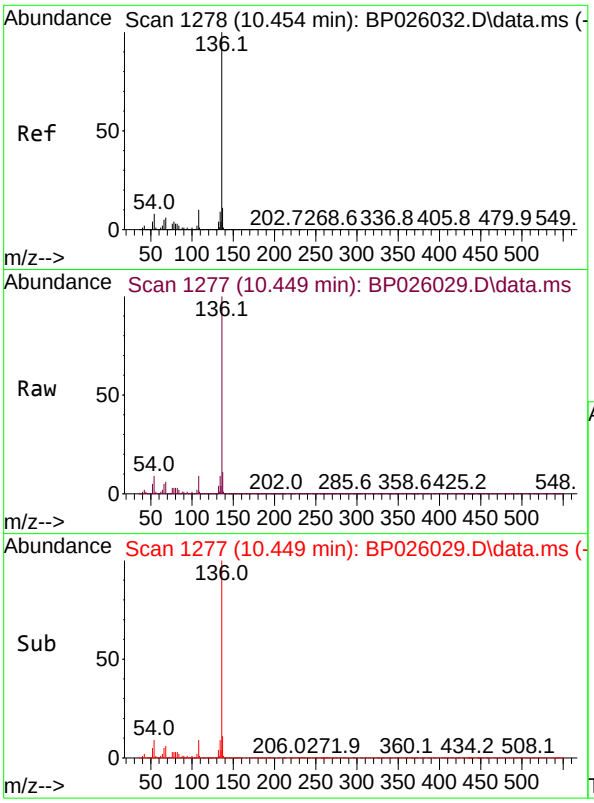


#19
n-Nitroso-di-n-propylamine
Concen: 4.669 ng
RT: 8.472 min Scan# 941
Delta R.T. -0.017 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 70 Resp: 76340

Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.2	70.8
101	9.1	8.2	12.2
130	21.9	17.7	26.5



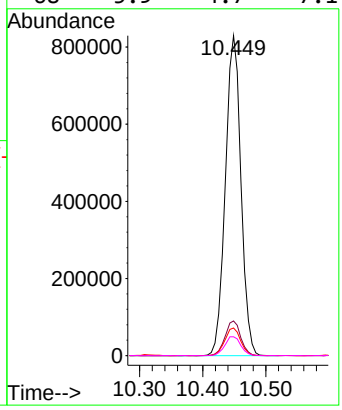


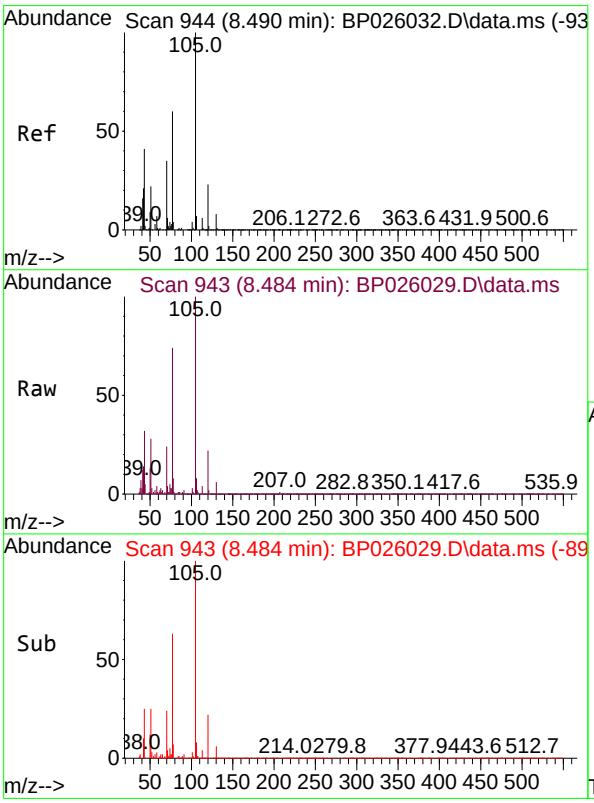
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 1420199

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.6	6.6	10.0
68	5.9	4.7	7.1

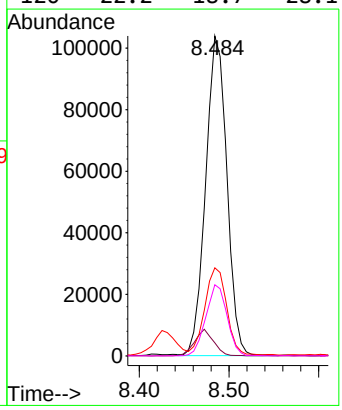


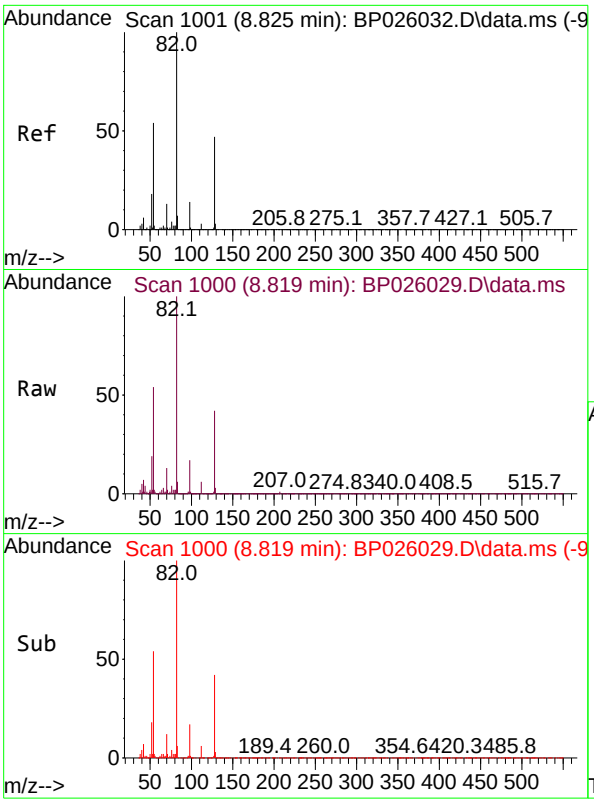


#22
Acetophenone
Concen: 4.753 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:105 Resp: 170727

Ion	Ratio	Lower	Upper
105	100		
71	4.1	4.7	7.1#
51	27.5	21.8	32.8
120	22.2	18.7	28.1



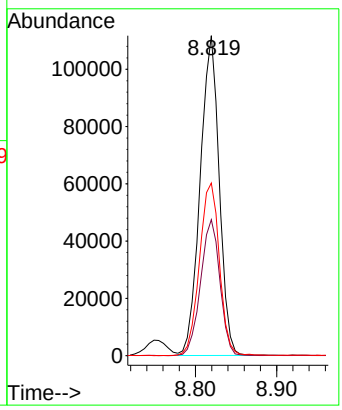


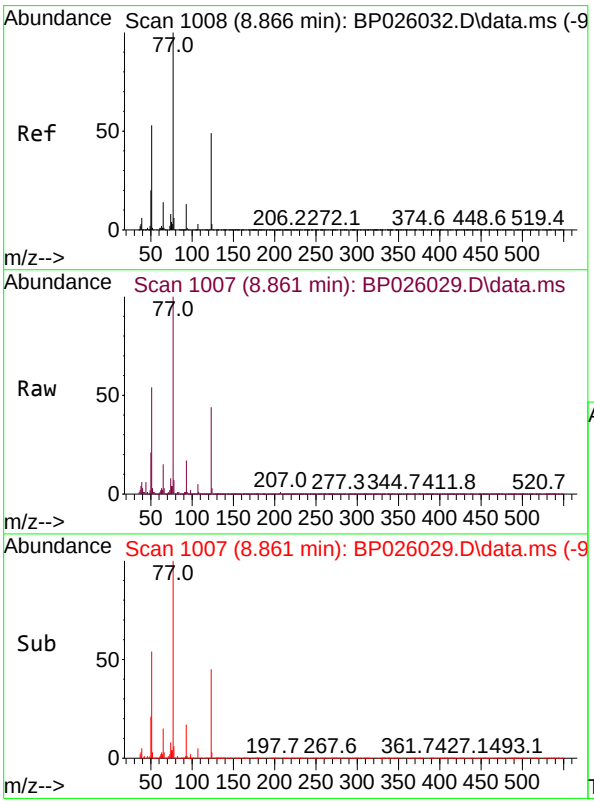
#23
Nitrobenzene-d5
Concen: 7.994 ng
RT: 8.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 182124

Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.4	56.0
54	53.9	42.7	64.1

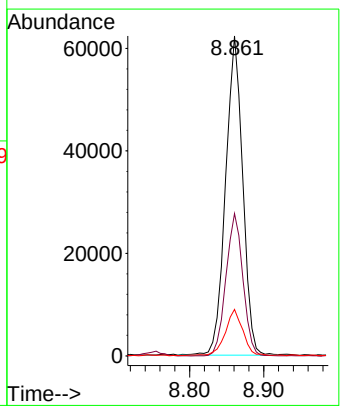


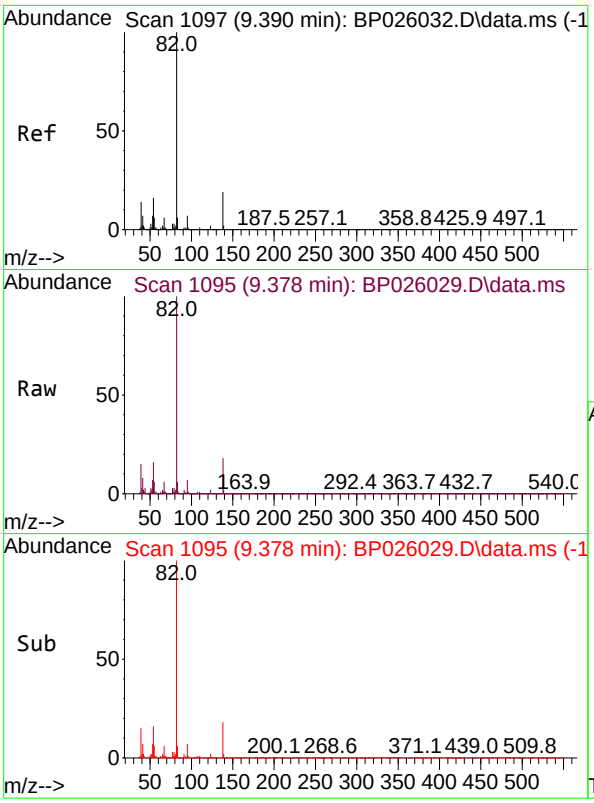


#24
Nitrobenzene
Concen: 4.161 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 77 Resp: 100098

Ion	Ratio	Lower	Upper
77	100		
123	44.5	39.0	58.4
65	14.5	10.9	16.3



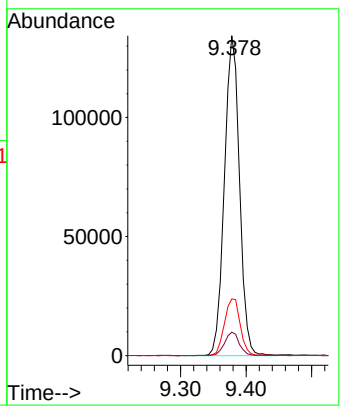


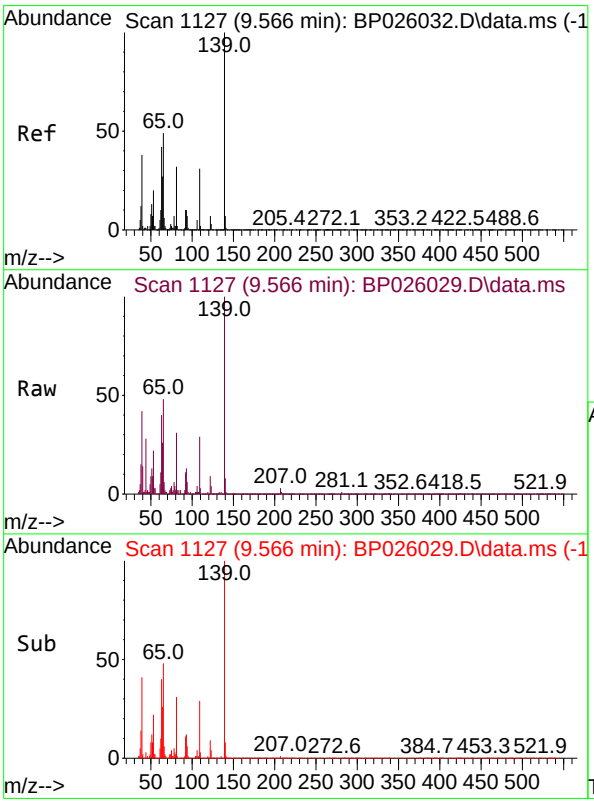
#25
Isophorone
Concen: 4.413 ng
RT: 9.378 min Scan# 10
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 215193

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.6
138	17.8	15.0	22.6

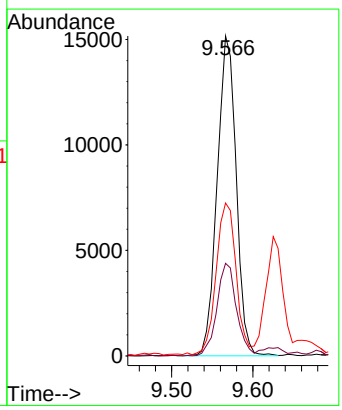


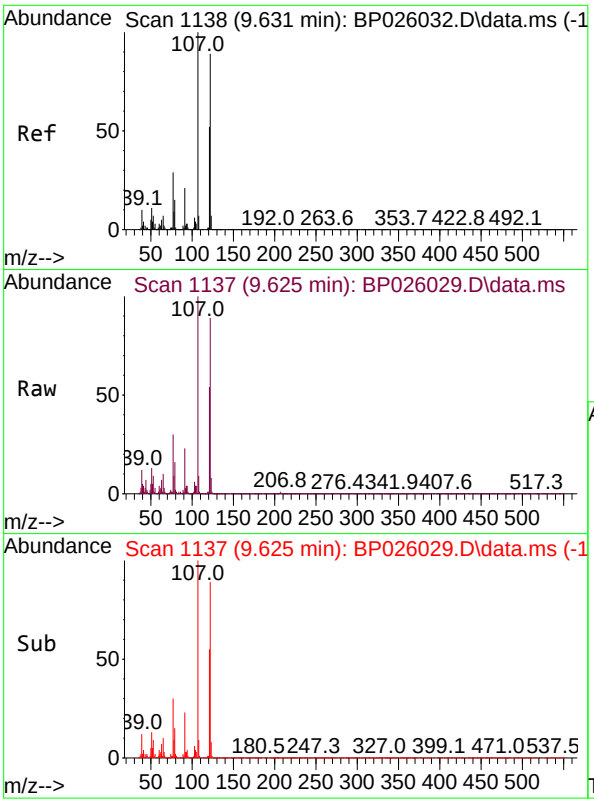


#26
2-Nitrophenol
Concen: 5.305 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:139 Resp: 24644

Ion	Ratio	Lower	Upper
139	100		
109	28.9	24.8	37.2
65	47.8	39.0	58.4



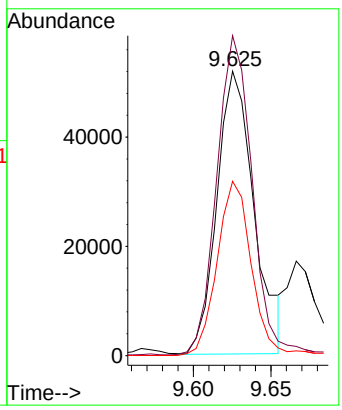


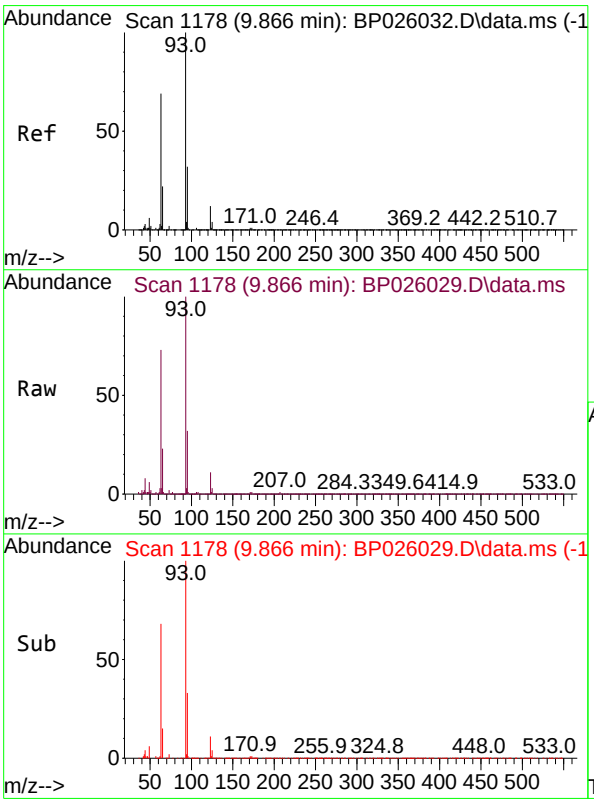
#27
2,4-Dimethylphenol
Concen: 4.212 ng
RT: 9.625 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 86372

Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.2	133.8
121	61.3	46.3	69.5

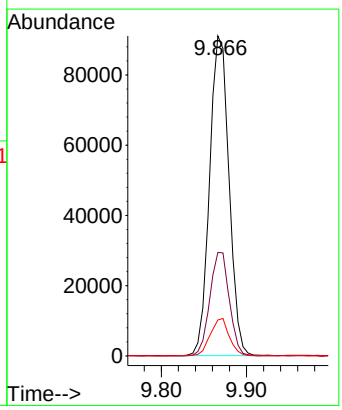


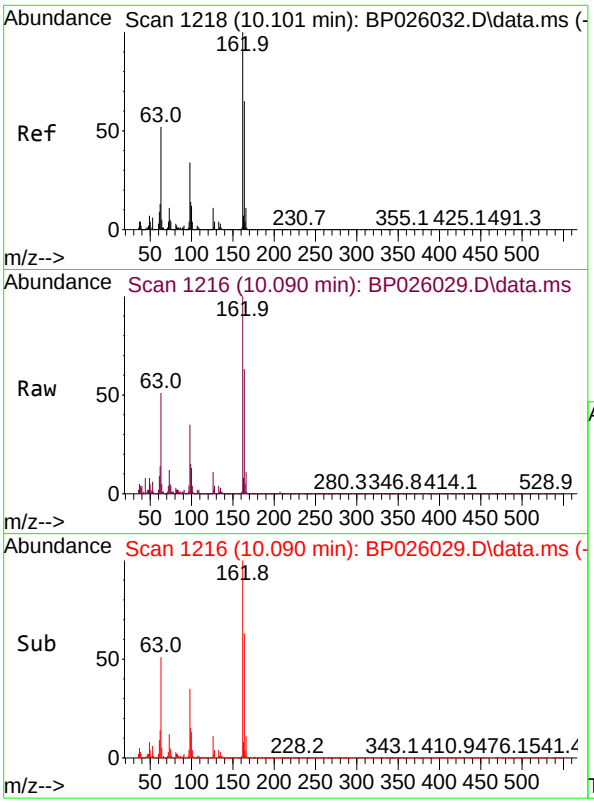


#28
bis(2-Chloroethoxy)methane
Concen: 4.695 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 93 Resp: 144278

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.6
123	11.2	9.3	13.9



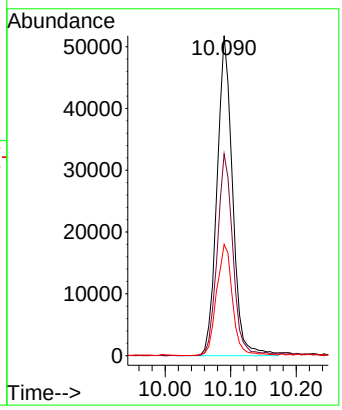


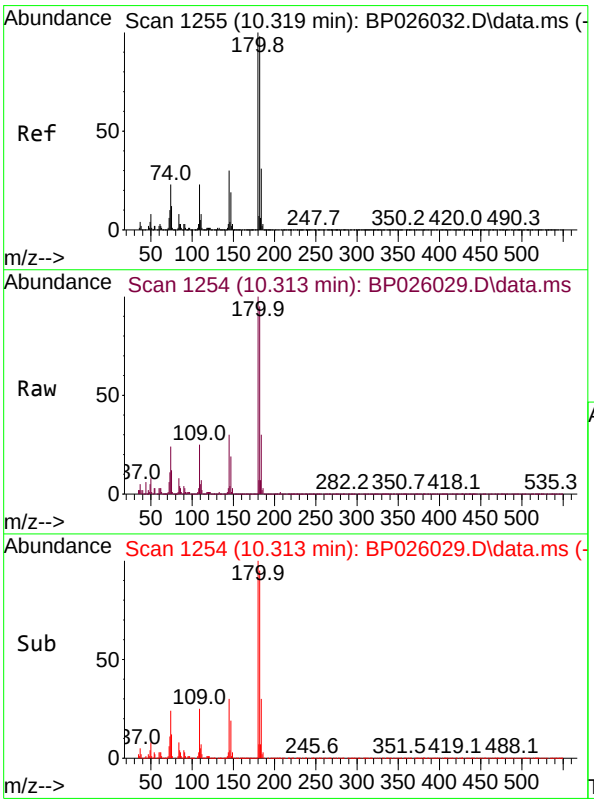
#29
2,4-Dichlorophenol
Concen: 3.946 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 85429

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	34.7	14.0	54.0

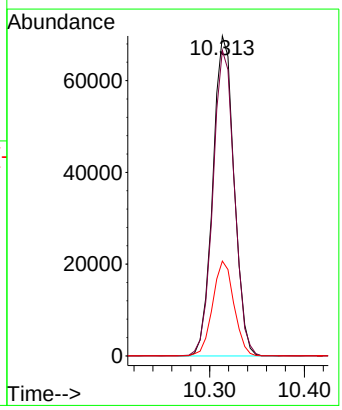


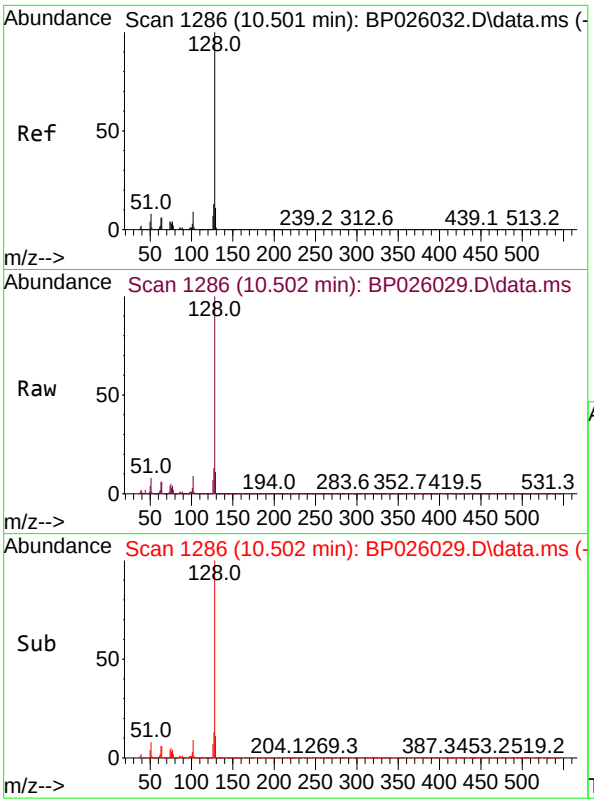


#30
1,2,4-Trichlorobenzene
Concen: 4.617 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:180 Resp: 108660

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.6	117.8
145	29.6	24.2	36.4



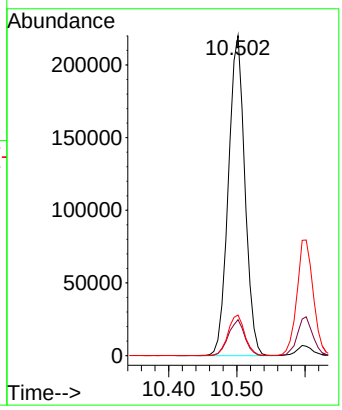


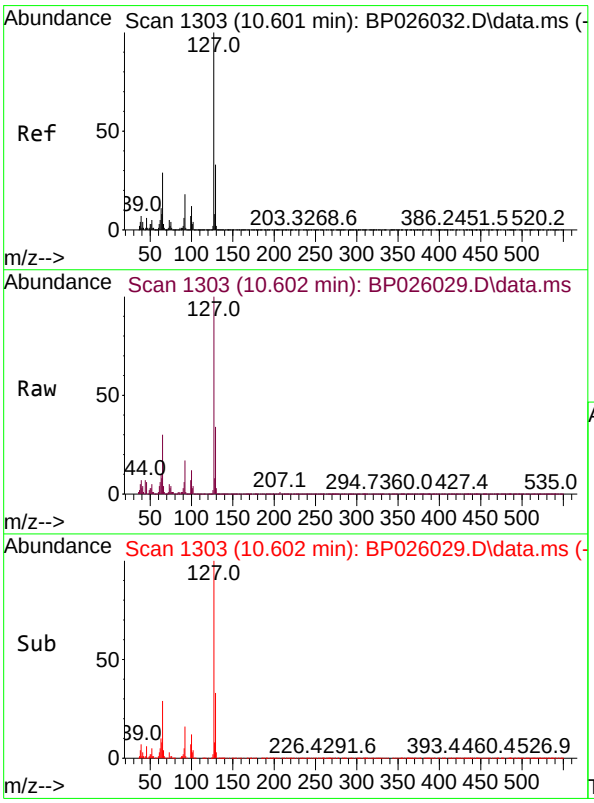
#31
Naphthalene
Concen: 4.764 ng
RT: 10.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 368922

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.7	10.5	15.7

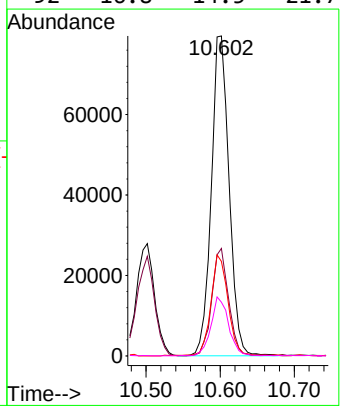


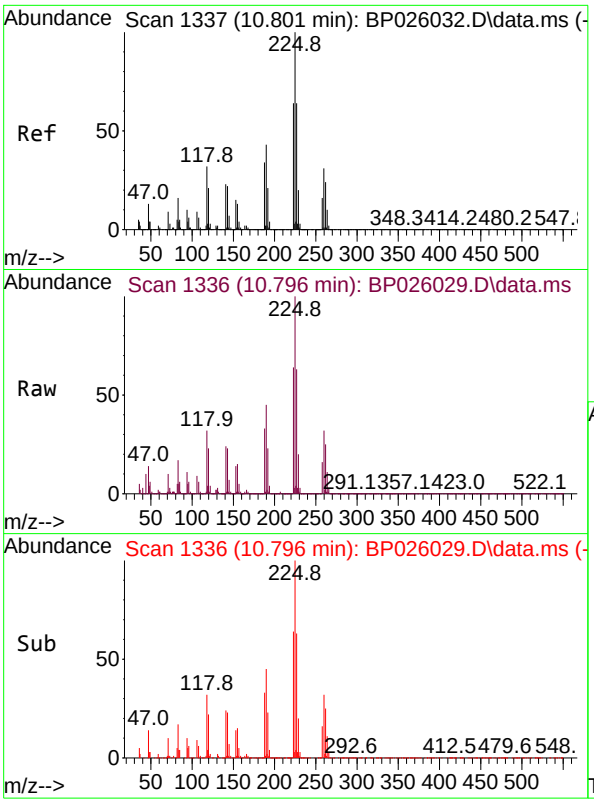


#33
4-Chloroaniline
Concen: 4.461 ng
RT: 10.602 min Scan# 1303
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:127 Resp: 132749

Ion	Ratio	Lower	Upper
127	100		
129	33.6	26.0	39.0
65	29.5	23.2	34.8
92	16.8	14.5	21.7



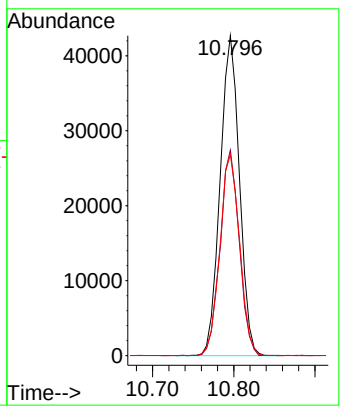


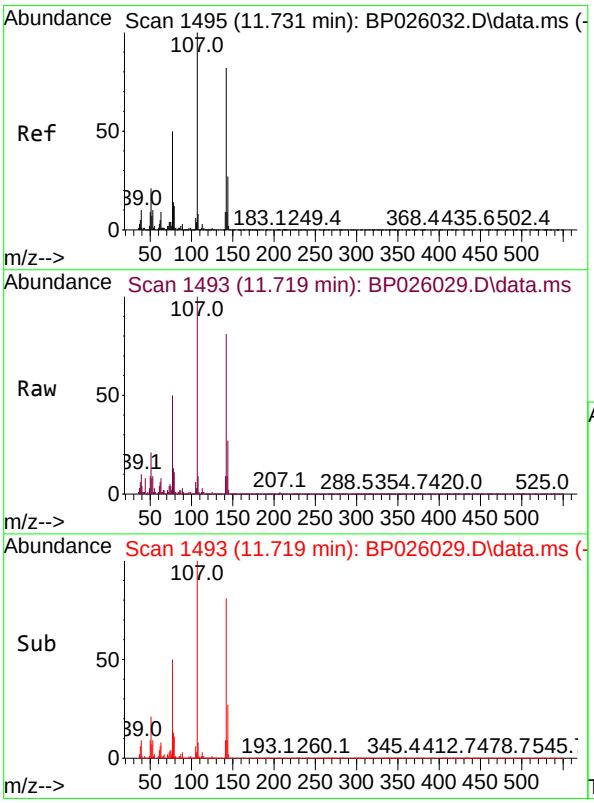
#34
Hexachlorobutadiene
Concen: 4.696 ng
RT: 10.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 70220

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.9	76.3
227	62.9	51.0	76.4

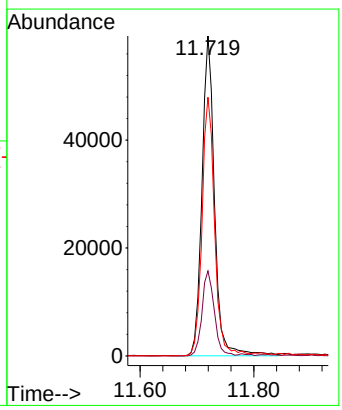


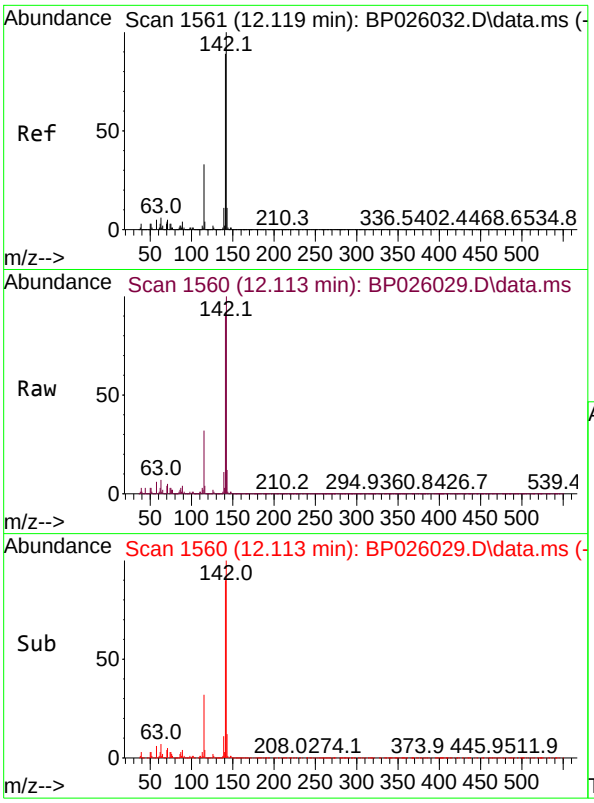


#36
4-Chloro-3-methylphenol
Concen: 4.018 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:107 Resp: 91199

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.3	31.9
142	80.8	65.2	97.8



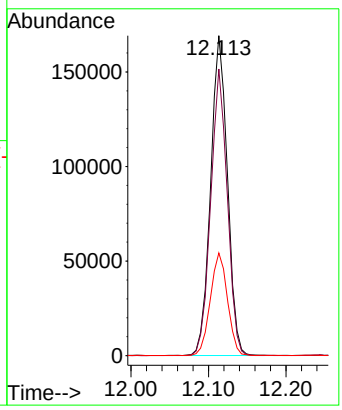


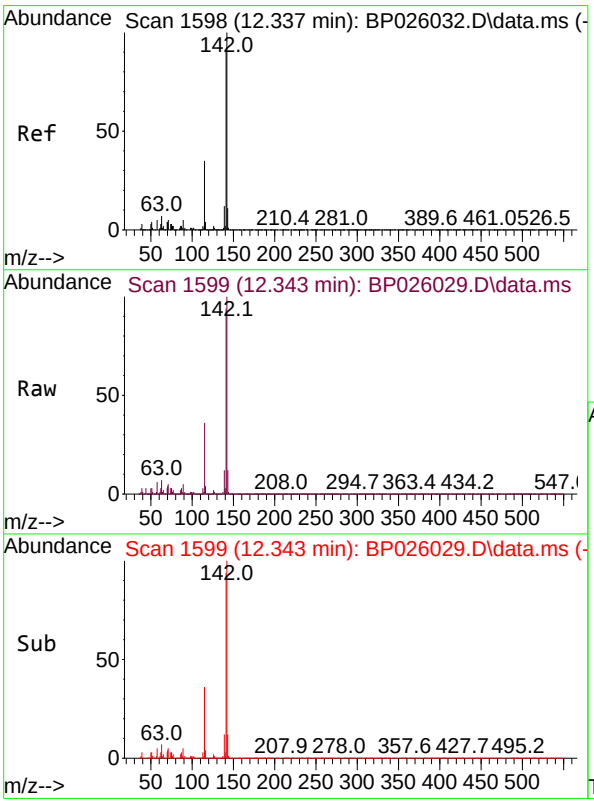
#37
2-Methylnaphthalene
Concen: 4.694 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 254416

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	32.1	26.6	39.8

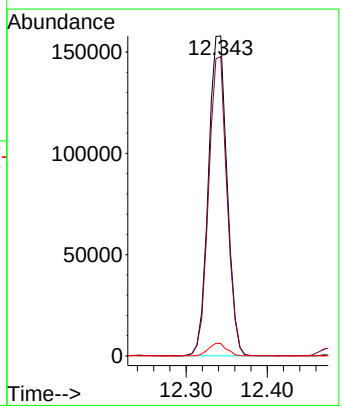


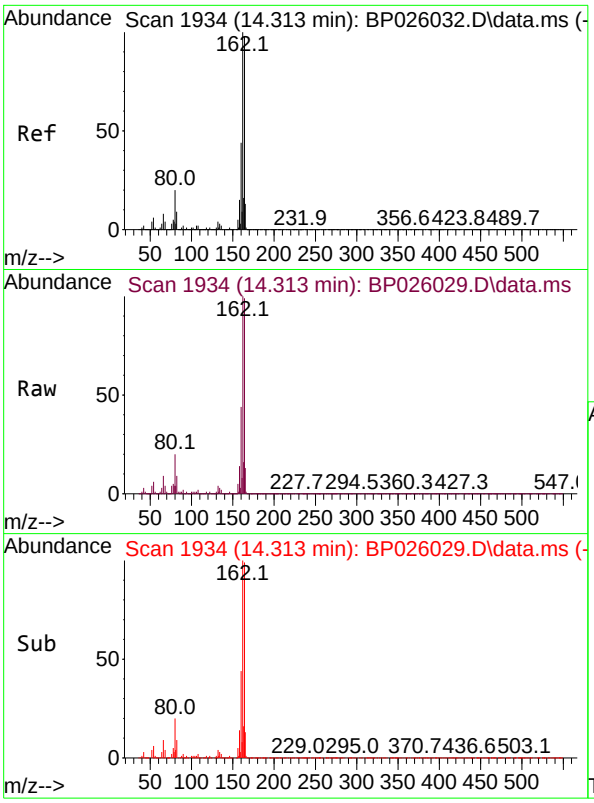


#38
1-Methylnaphthalene
Concen: 4.783 ng
RT: 12.343 min Scan# 1599
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:142 Resp: 251883

Ion	Ratio	Lower	Upper
142	100		
141	93.5	72.7	109.1
116	3.9	2.9	4.3



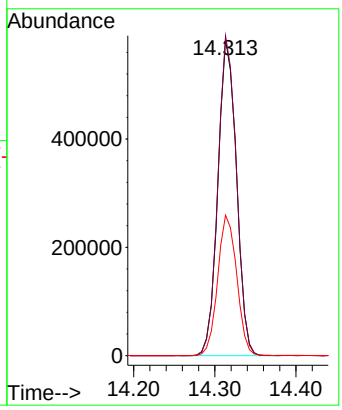


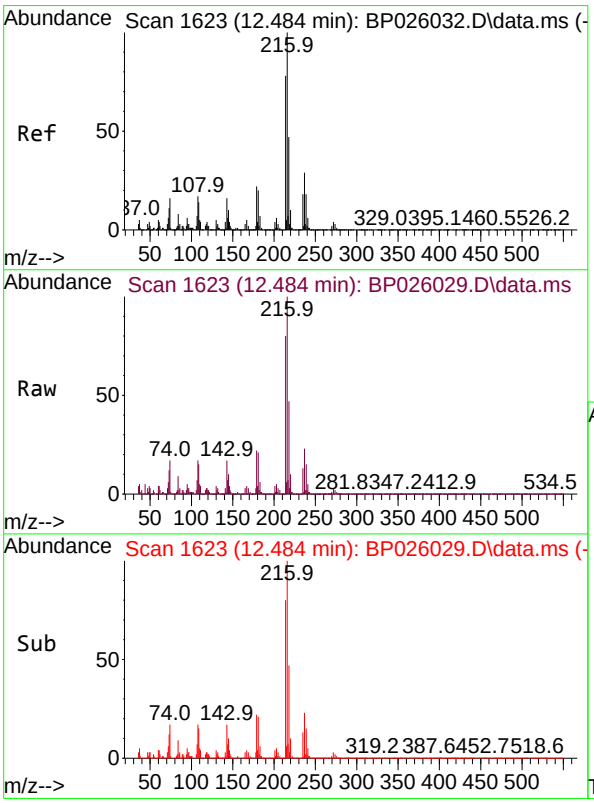
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 925892

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.5	122.3
160	44.5	36.2	54.4

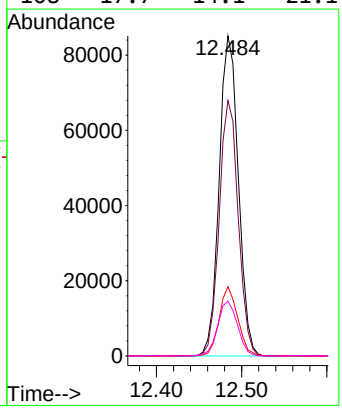


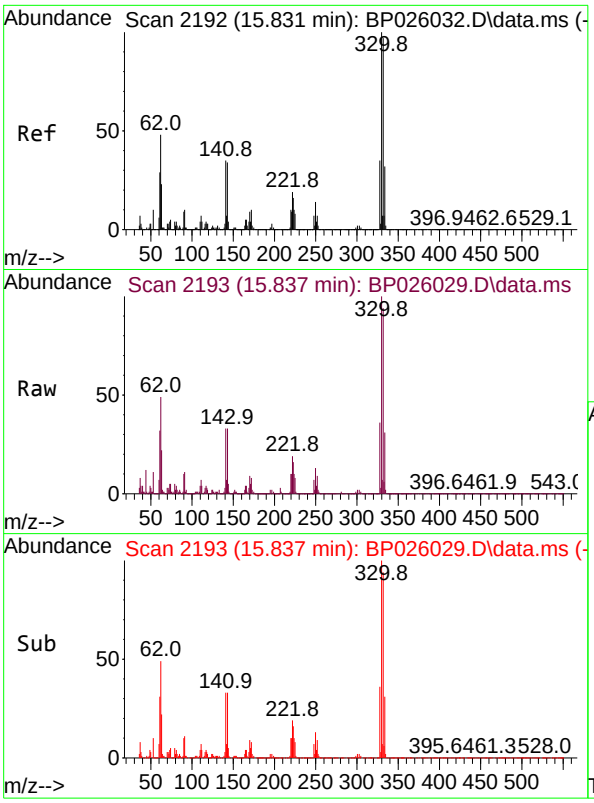


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.615 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:216 Resp: 132759

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.9	94.3
179	20.8	16.9	25.3
108	17.7	14.1	21.1



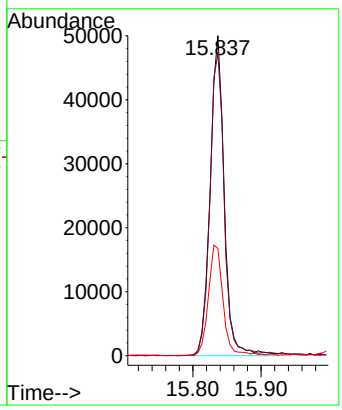


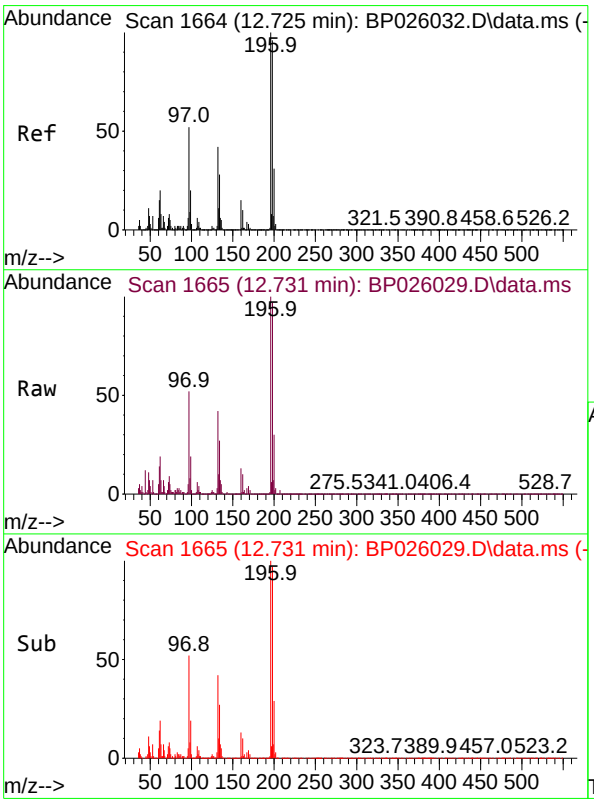
#42
2,4,6-Tribromophenol
Concen: 7.179 ng
RT: 15.837 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71861

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	35.9	28.6	42.8

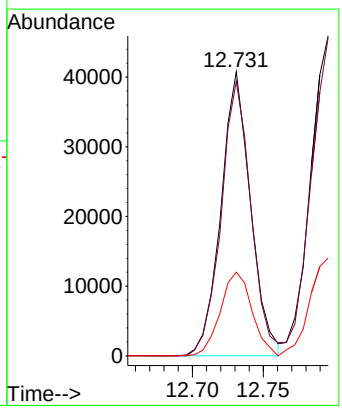


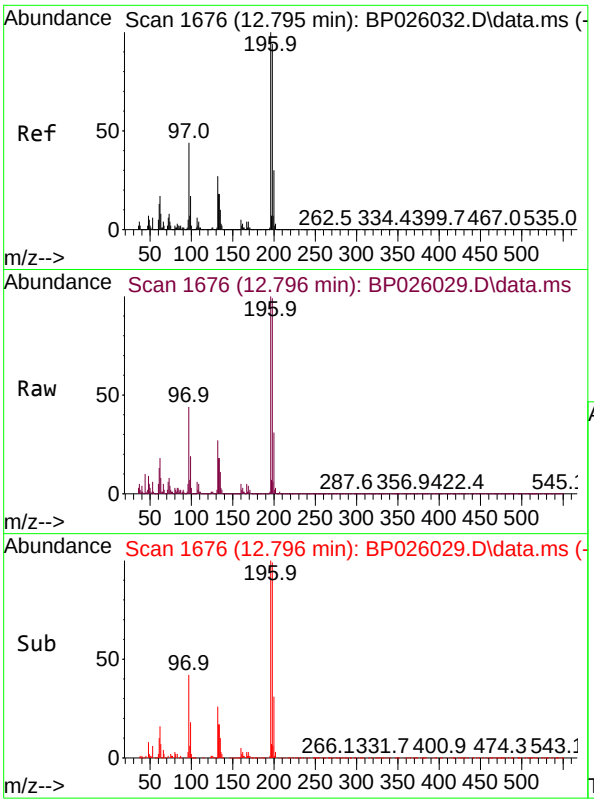


#43
2,4,6-Trichlorophenol
Concen: 3.479 ng
RT: 12.731 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:196 Resp: 59158

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.5	114.7
200	29.5	24.4	36.6



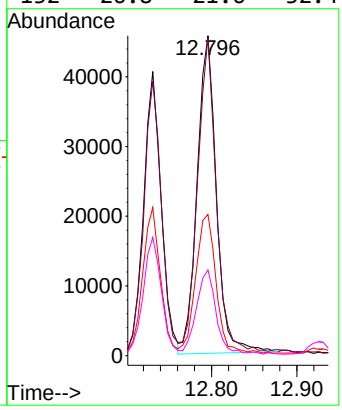


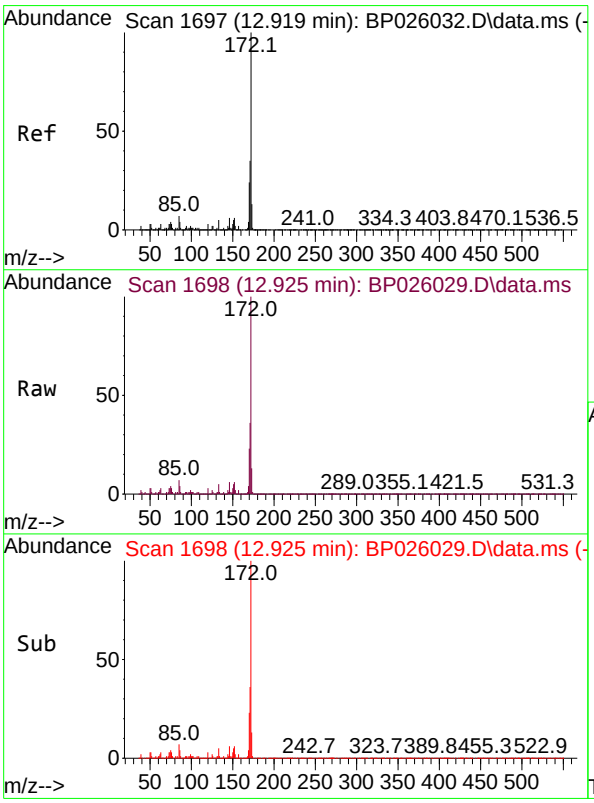
#44
2,4,5-Trichlorophenol
Concen: 3.690 ng
RT: 12.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 71602

Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.1	112.7
97	44.1	35.5	53.3
132	26.8	21.6	32.4

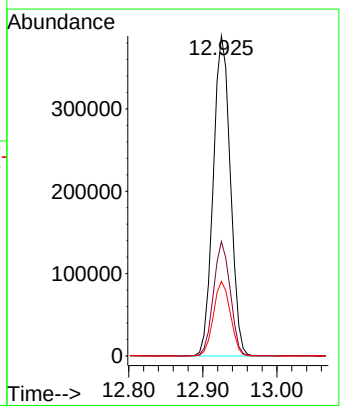


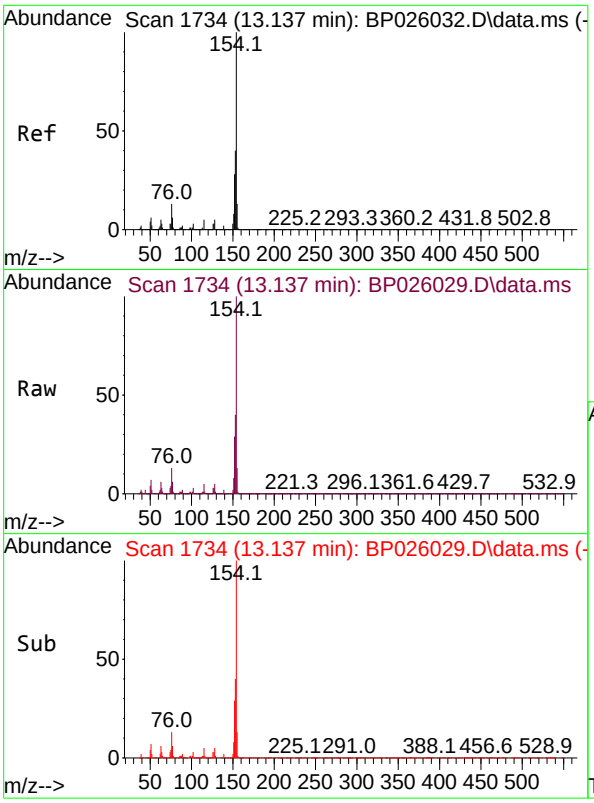


#45
2-Fluorobiphenyl
Concen: 9.698 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:172 Resp: 624927

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.9	41.9
170	23.3	19.0	28.4



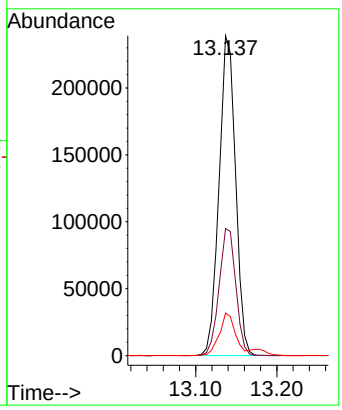


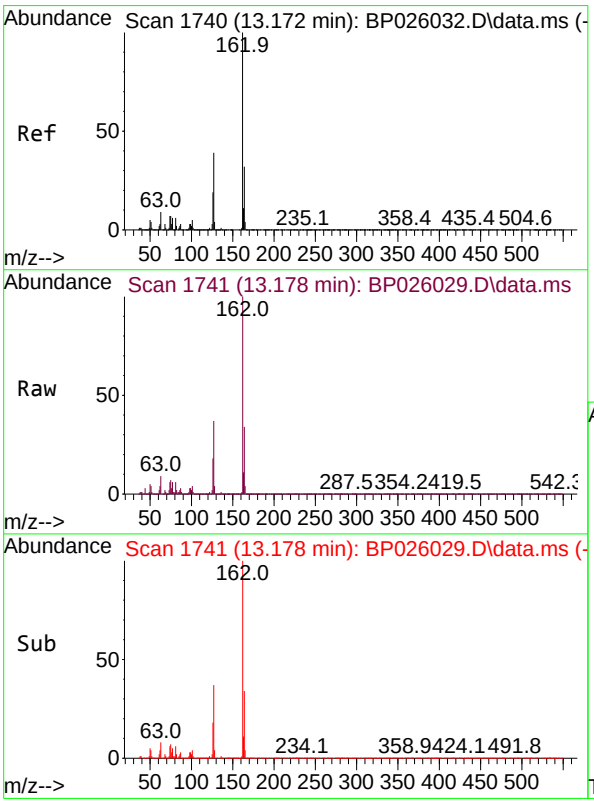
#46
1,1'-Biphenyl
Concen: 4.747 ng
RT: 13.137 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 336536

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.2	60.2
76	13.3	0.0	32.8

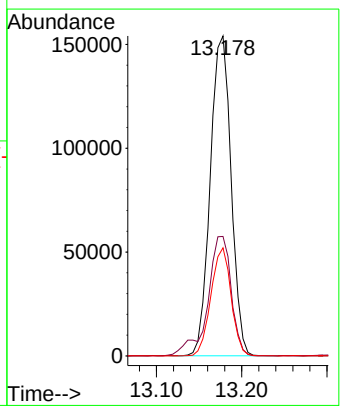


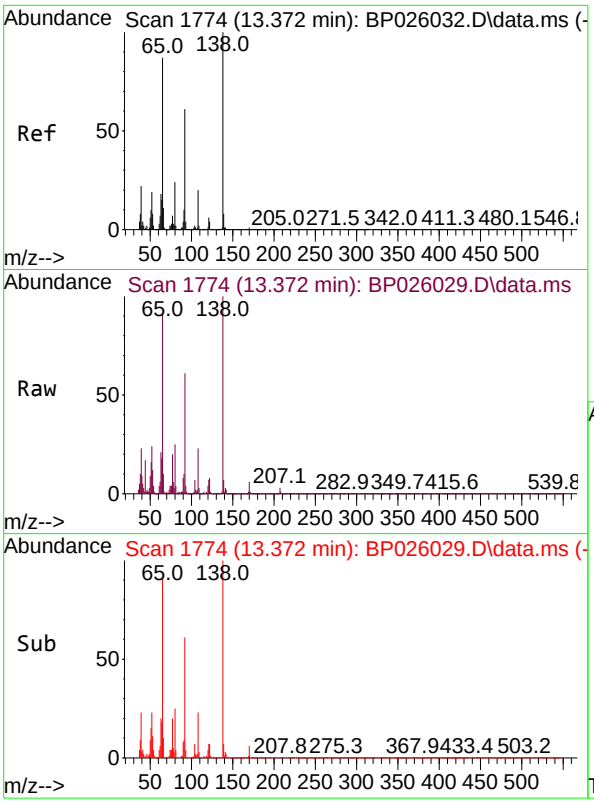


#47
2-Chloronaphthalene
Concen: 4.691 ng
RT: 13.178 min Scan# 1741
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:162 Resp: 261657

Ion	Ratio	Lower	Upper
162	100		
127	37.3	31.4	47.2
164	33.8	25.9	38.9



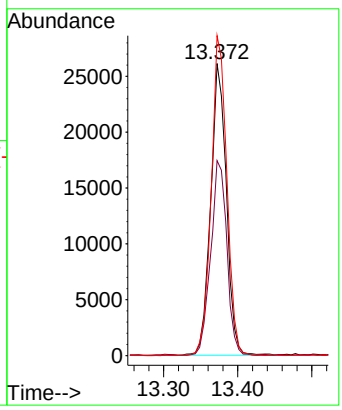


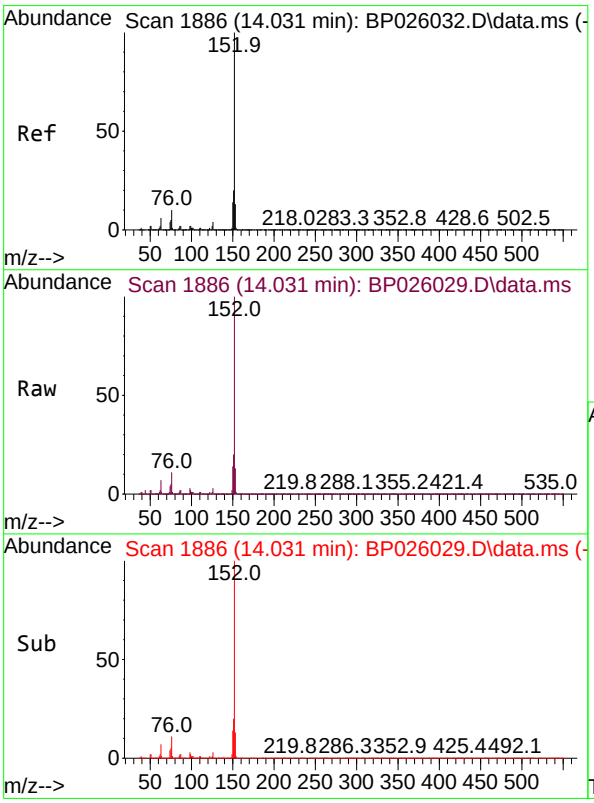
#48
2-Nitroaniline
Concen: 5.289 ng
RT: 13.372 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38315

Ion	Ratio	Lower	Upper
65	100		
92	66.7	55.5	83.3
138	109.5	91.7	137.5

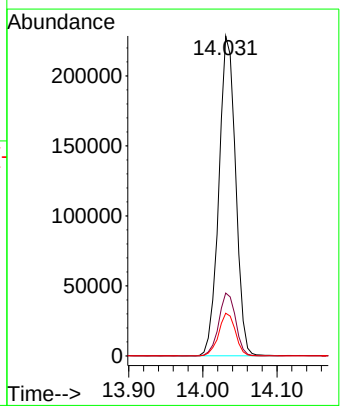


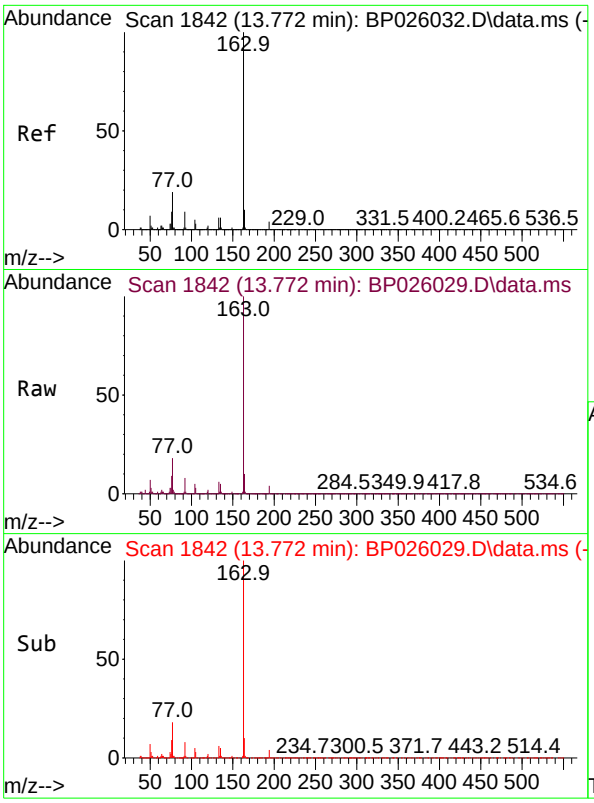


#49
Acenaphthylene
Concen: 4.405 ng
RT: 14.031 min Scan# 1886
Delta R.T. -0.005 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:152 Resp: 358129

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.3	10.6	16.0



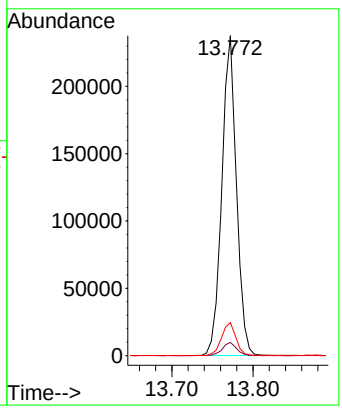


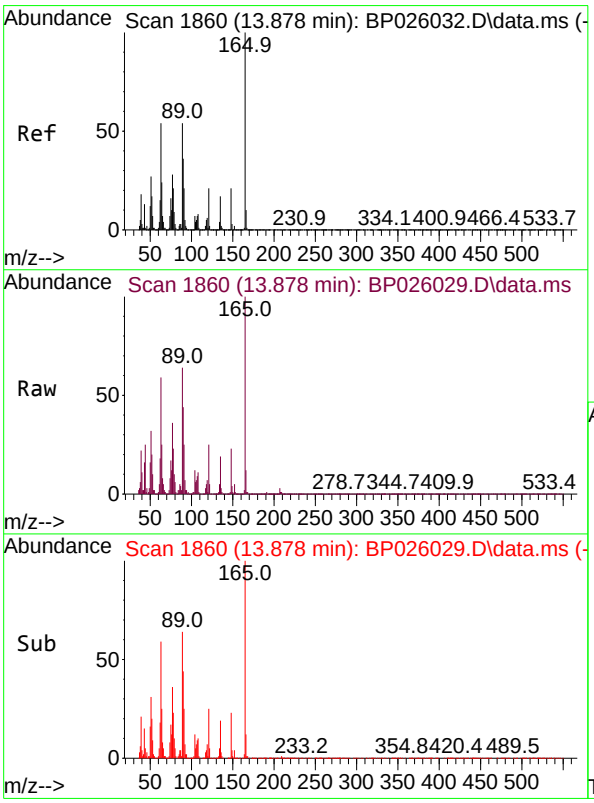
#50
Dimethylphthalate
Concen: 4.405 ng
RT: 13.772 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 296661

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.2	12.2

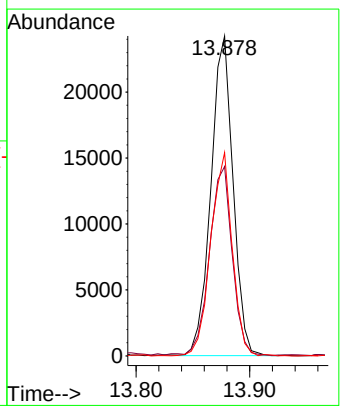


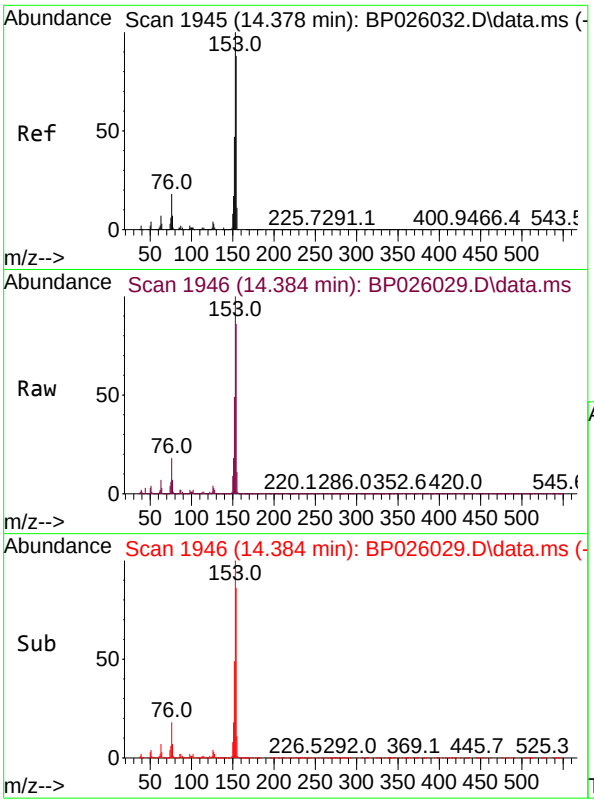


#51
2,6-Dinitrotoluene
Concen: 5.334 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:165 Resp: 32784

Ion	Ratio	Lower	Upper
165	100		
63	59.2	43.0	64.4
89	63.6	43.0	64.4



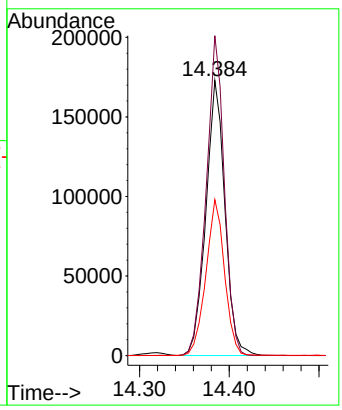


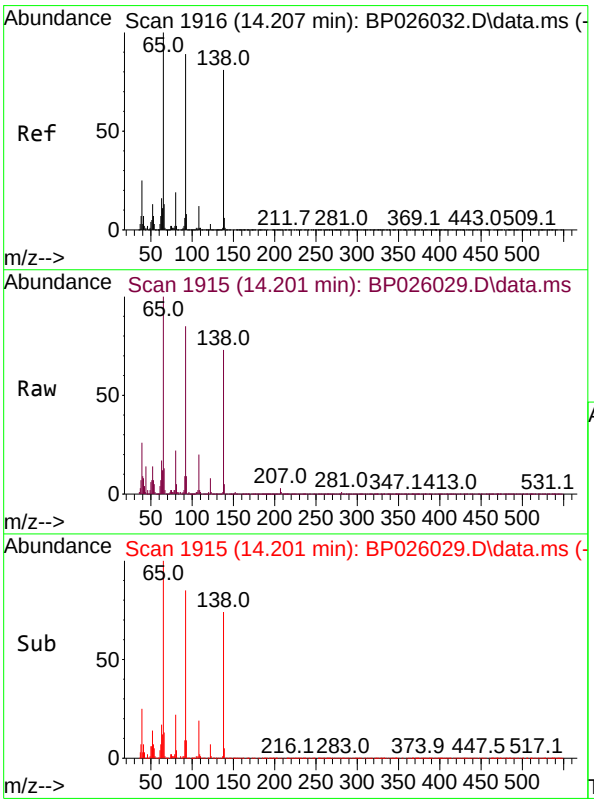
#52
Acenaphthene
Concen: 4.564 ng
RT: 14.384 min Scan# 19
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 254758

Ion	Ratio	Lower	Upper
154	100		
153	116.3	91.0	136.4
152	56.7	42.7	64.1

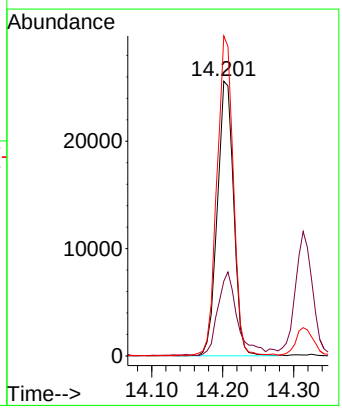


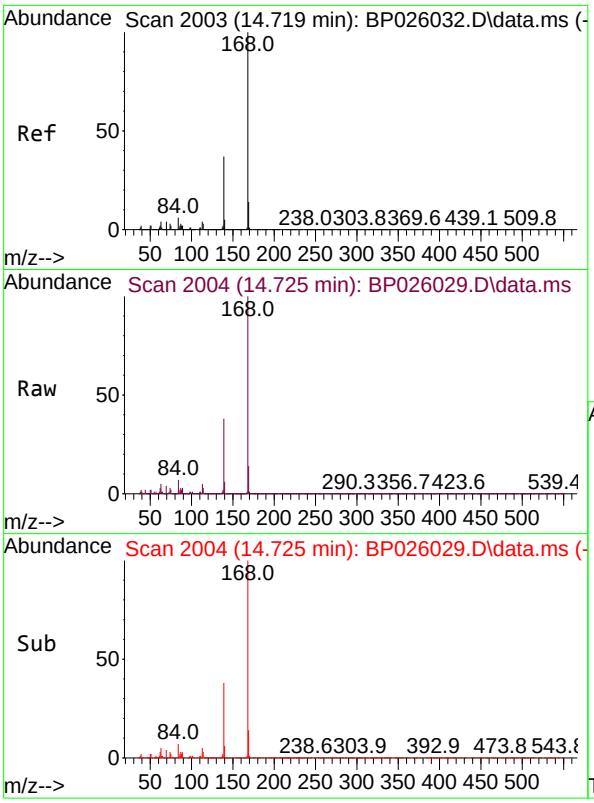


#53
3-Nitroaniline
Concen: 5.191 ng
RT: 14.201 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:138 Resp: 40998

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	116.5	87.1	130.7



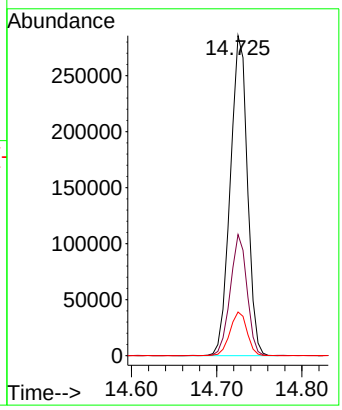


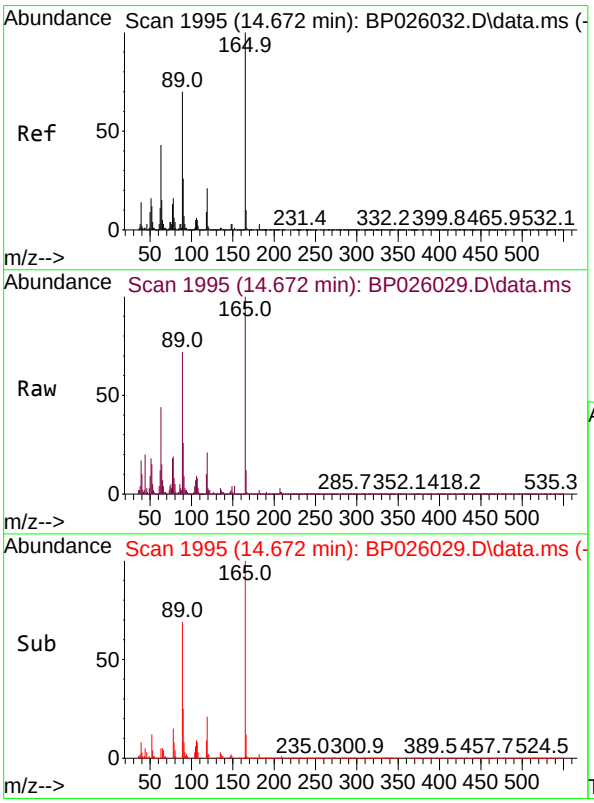
#55
Dibenzofuran
Concen: 4.735 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 399319

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.7	44.5
169	13.6	11.0	16.4

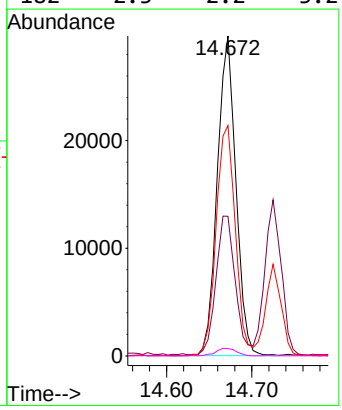


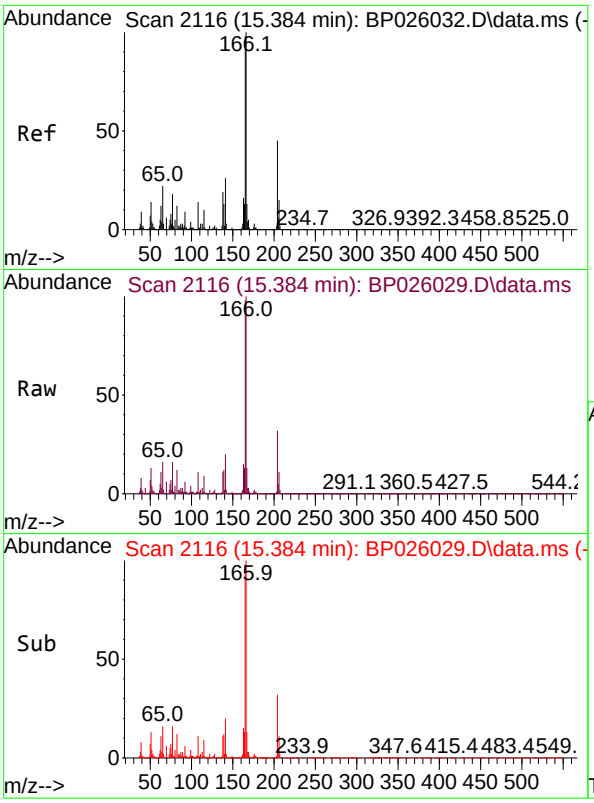


#57
2,4-Dinitrotoluene
Concen: 5.098 ng
RT: 14.672 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:165 Resp: 45113

Ion	Ratio	Lower	Upper
165	100		
63	43.6	34.2	51.2
89	72.0	56.0	84.0
182	2.3	2.2	3.2



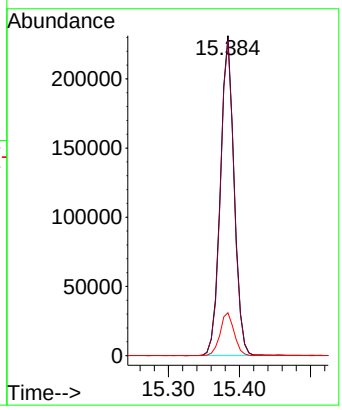


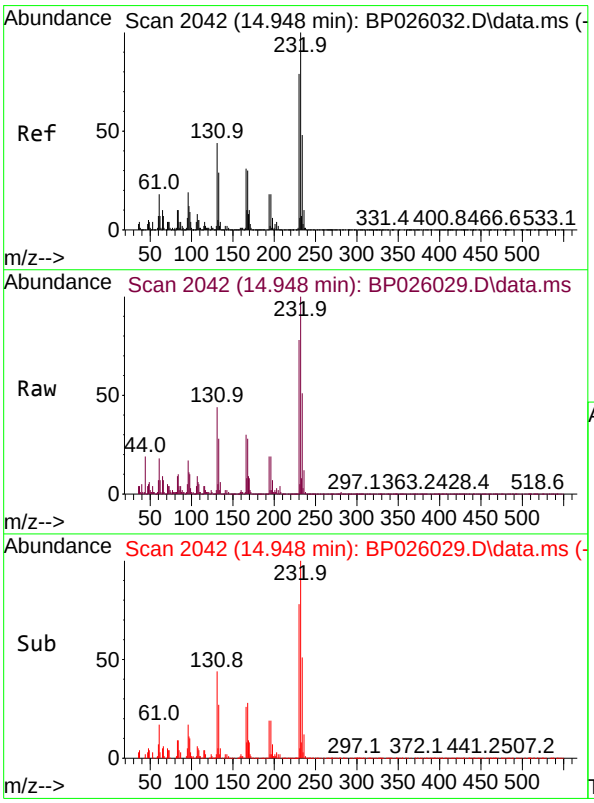
#58
Fluorene
Concen: 4.718 ng
RT: 15.384 min Scan# 21
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 311704

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.1	117.1
167	13.4	10.6	16.0

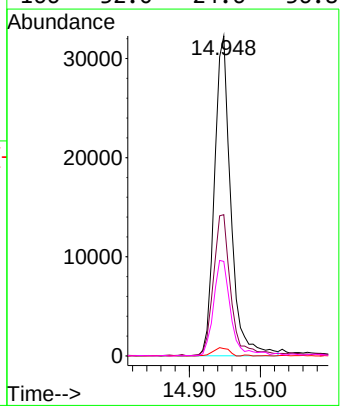


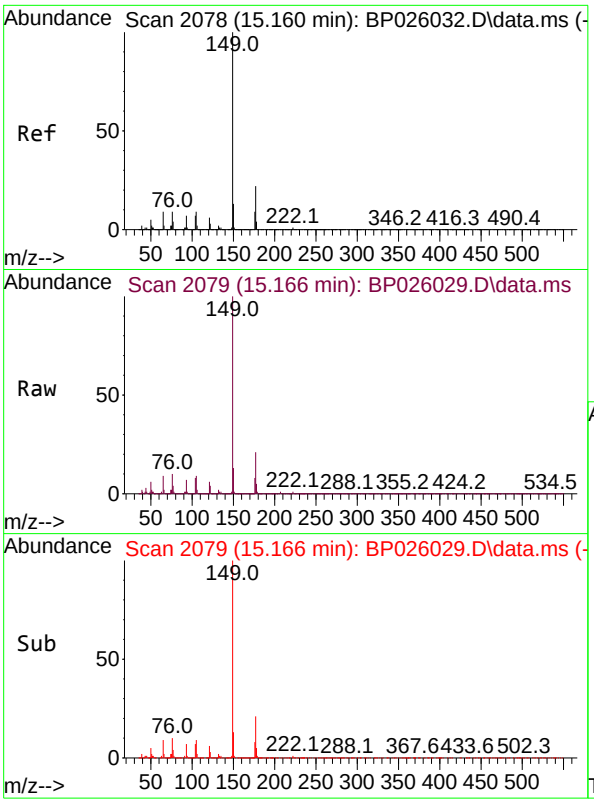


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.387 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:232 Resp: 51676

Ion	Ratio	Lower	Upper
232	100		
131	47.0	35.2	52.8
130	2.5	1.7	2.5
166	32.0	24.6	36.8



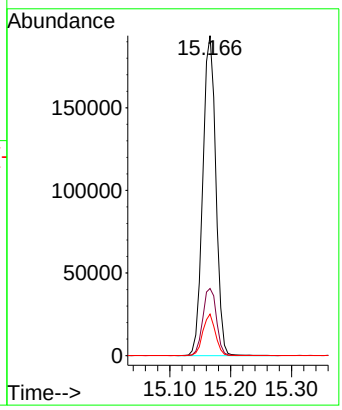


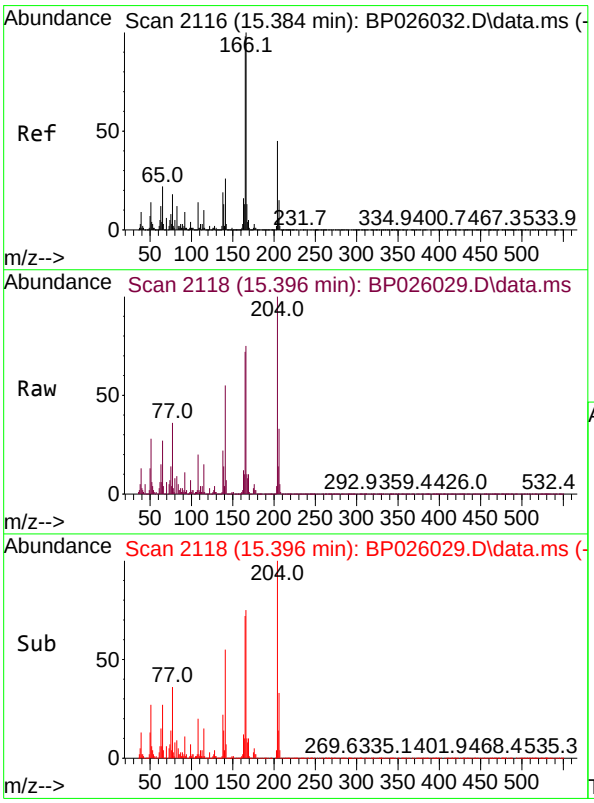
#60
Diethylphthalate
Concen: 4.240 ng
RT: 15.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 287071

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.9	26.9
150	13.0	10.1	15.1

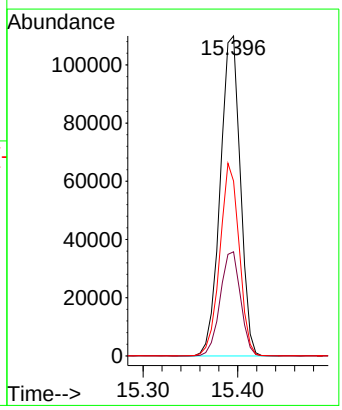


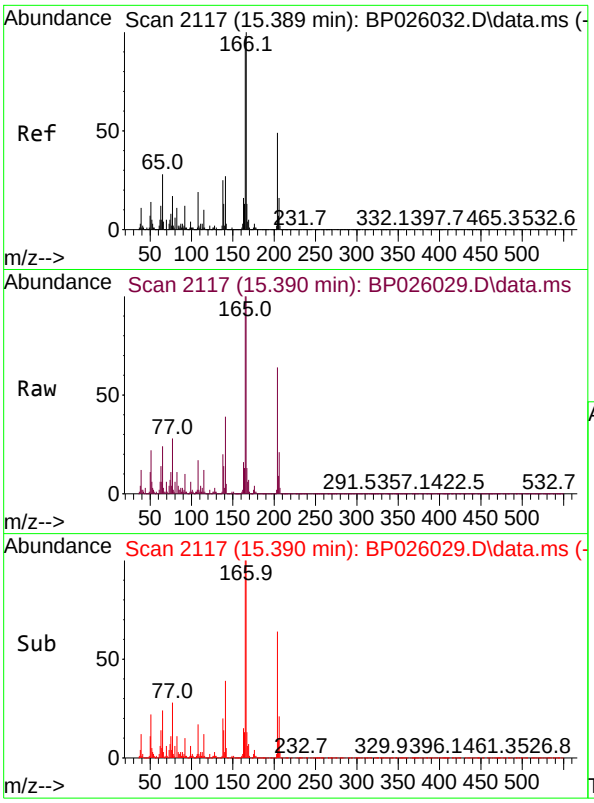


#61
4-Chlorophenyl-phenylether
Concen: 4.907 ng
RT: 15.396 min Scan# 2118
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:204 Resp: 161882

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	54.6	47.0	70.4



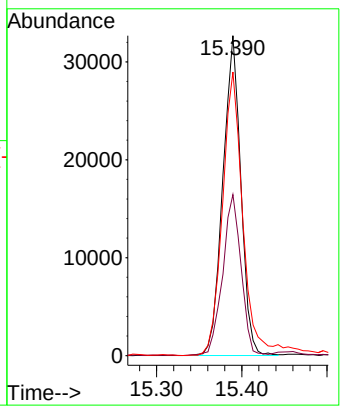


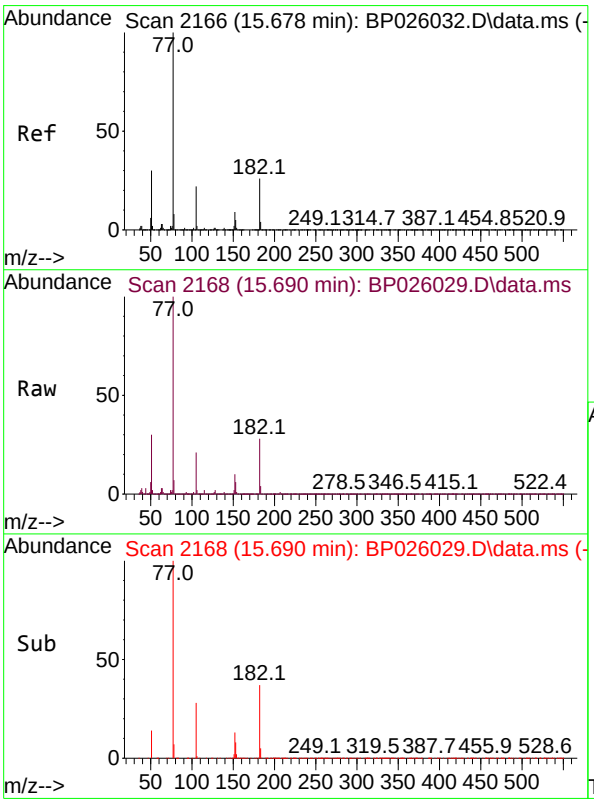
#62
4-Nitroaniline
Concen: 3.327 ng
RT: 15.390 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 47887

Ion	Ratio	Lower	Upper
138	100		
92	50.3	28.2	68.2
108	88.6	56.0	96.0

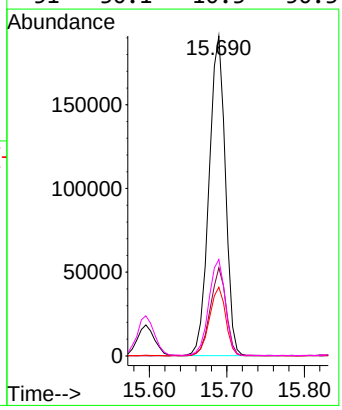


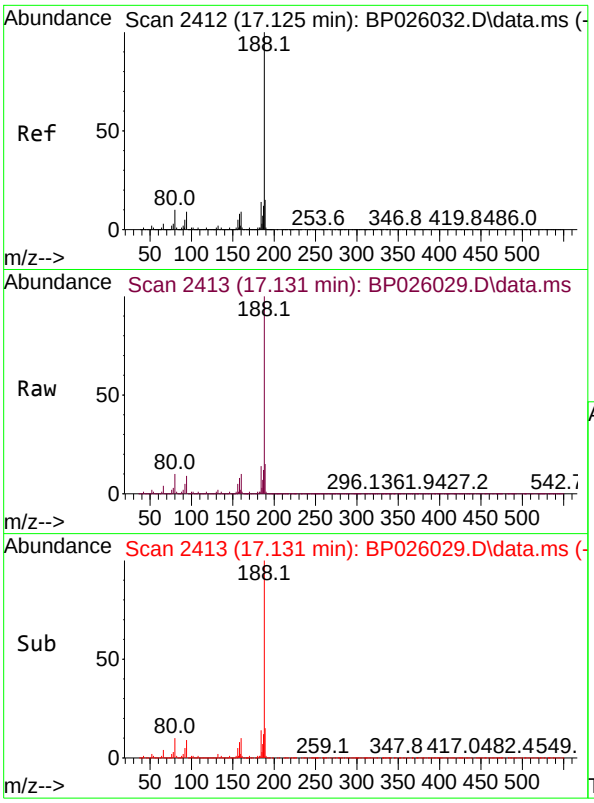


#63
Azobenzene
Concen: 4.550 ng
RT: 15.690 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion: 77 Resp: 279169

Ion	Ratio	Lower	Upper
77	100		
182	27.5	6.4	46.4
105	21.5	2.2	42.2
51	30.1	10.3	50.3



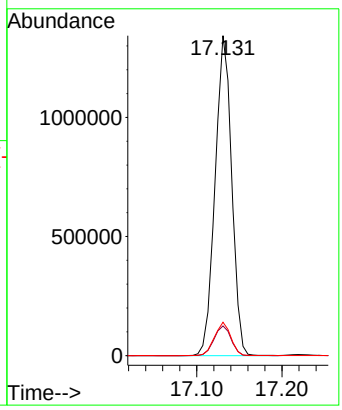


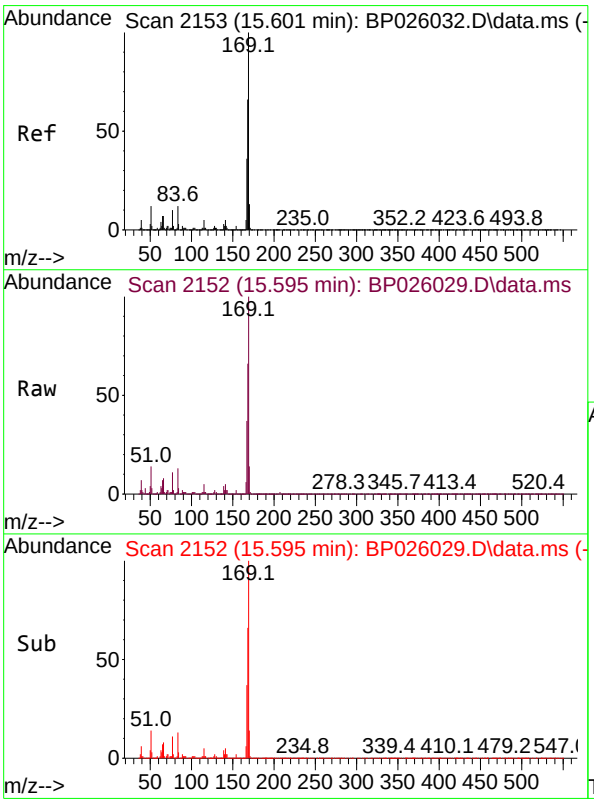
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1817309

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.4	7.9	11.9

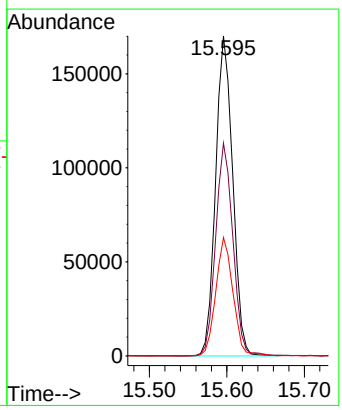


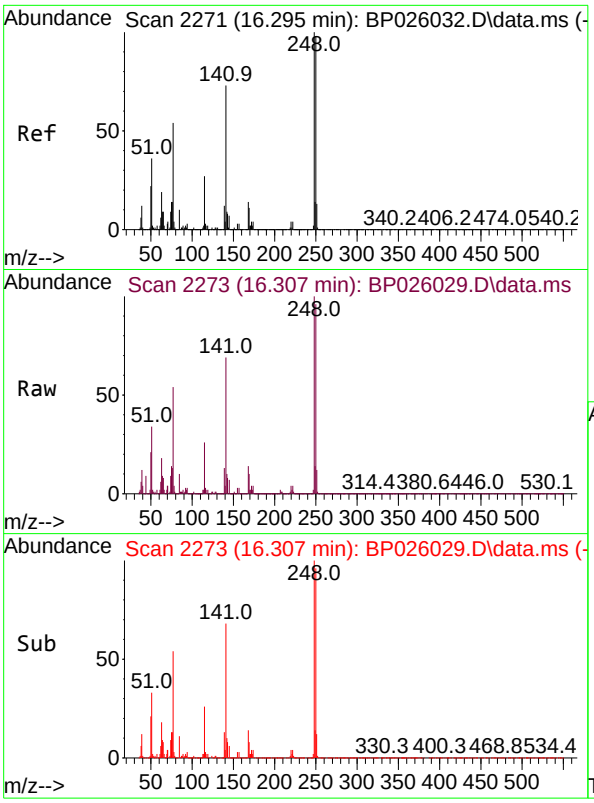


#66
n-Nitrosodiphenylamine
Concen: 4.589 ng
RT: 15.595 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:169 Resp: 260751

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.9	79.3
167	37.0	28.9	43.3



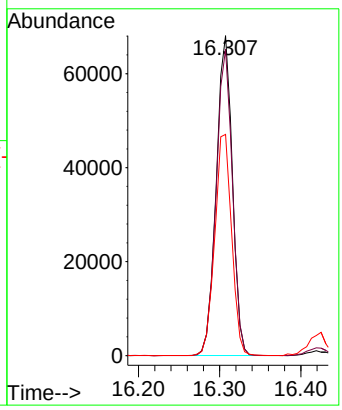


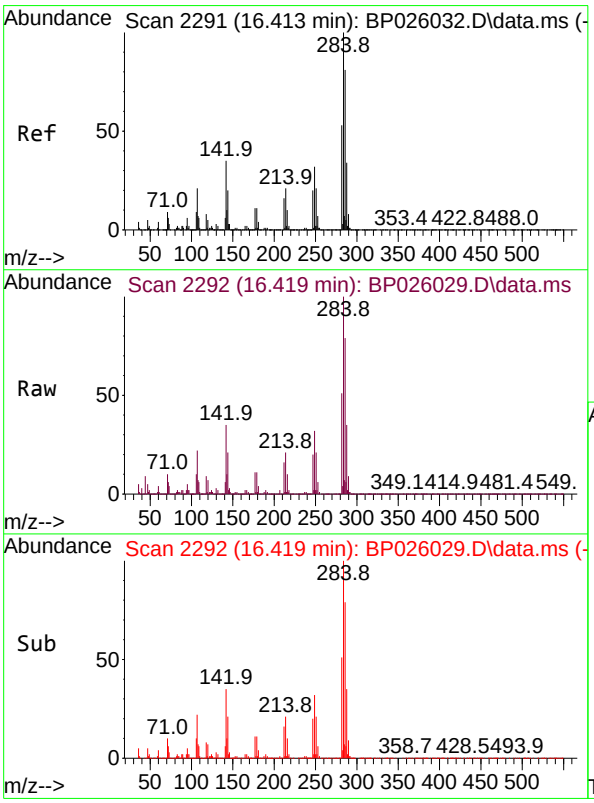
#67
4-Bromophenyl-phenylether
Concen: 4.650 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 93744

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.4	117.6
141	69.1	58.3	87.5

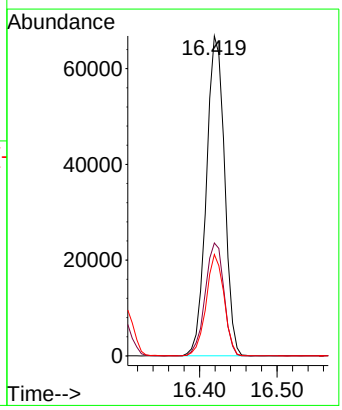


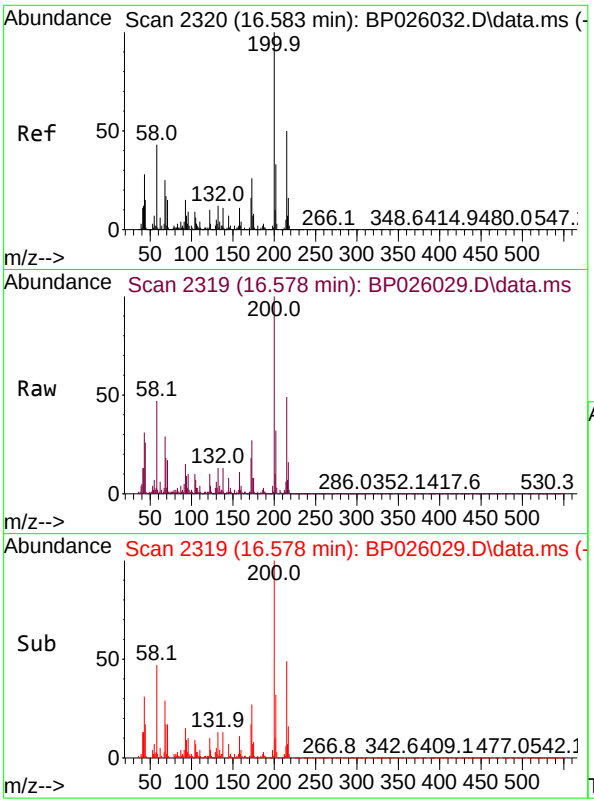


#68
Hexachlorobenzene
Concen: 4.741 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:284 Resp: 108797

Ion	Ratio	Lower	Upper
284	100		
142	35.3	27.7	41.5
249	31.7	25.5	38.3



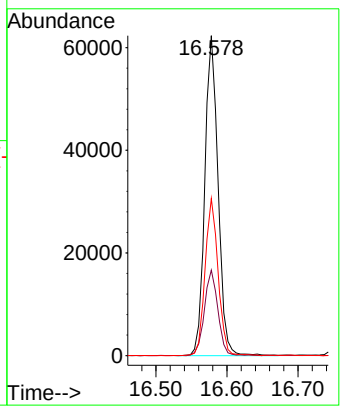


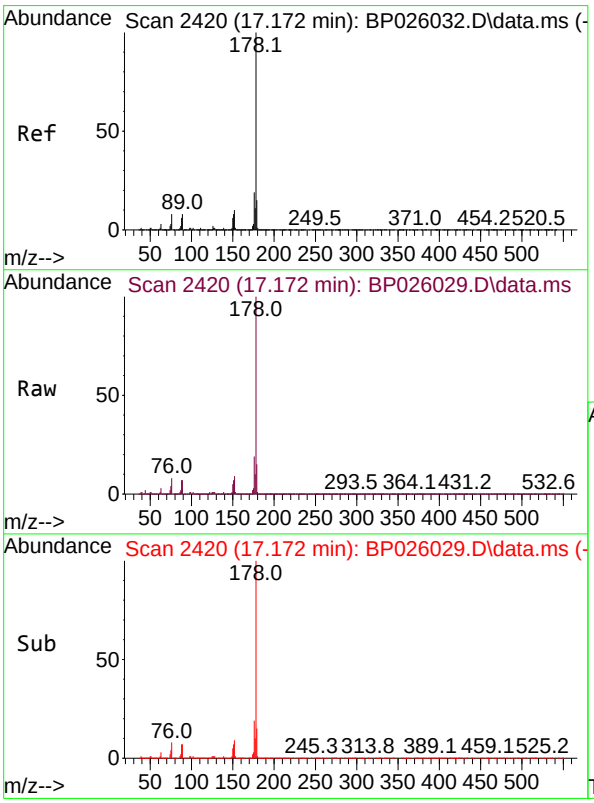
#69
Atrazine
Concen: 4.192 ng
RT: 16.578 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 80346

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.2	46.2
215	49.1	29.8	69.8

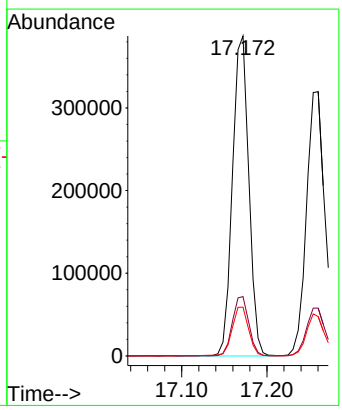


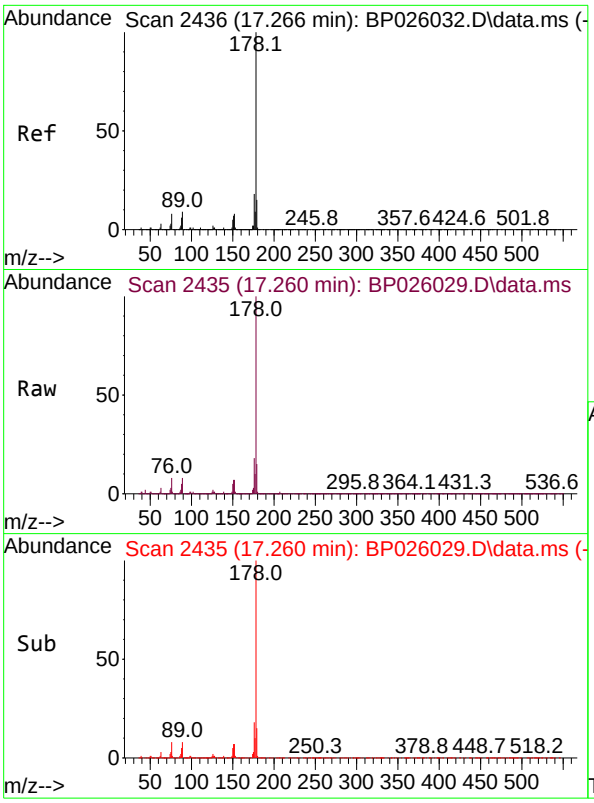


#71
Phenanthrene
Concen: 4.865 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:178 Resp: 514616

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.2	12.3	18.5



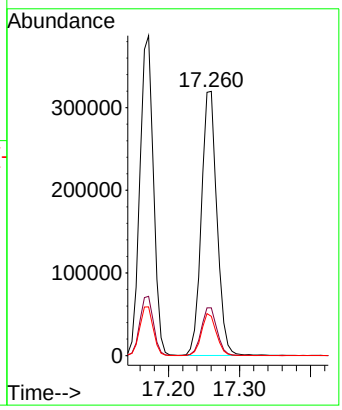


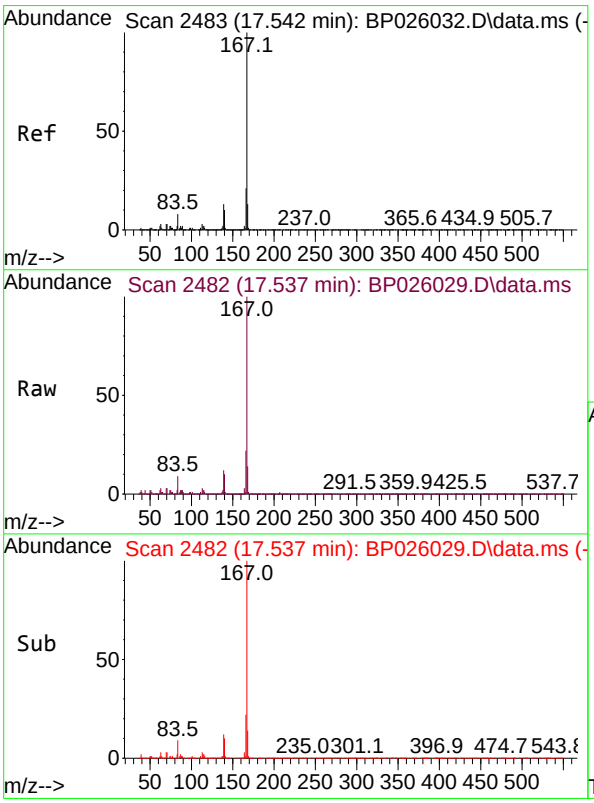
#72
Anthracene
Concen: 4.609 ng
RT: 17.260 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 483312

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	14.9	12.2	18.4

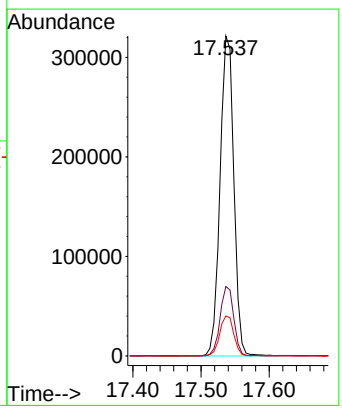


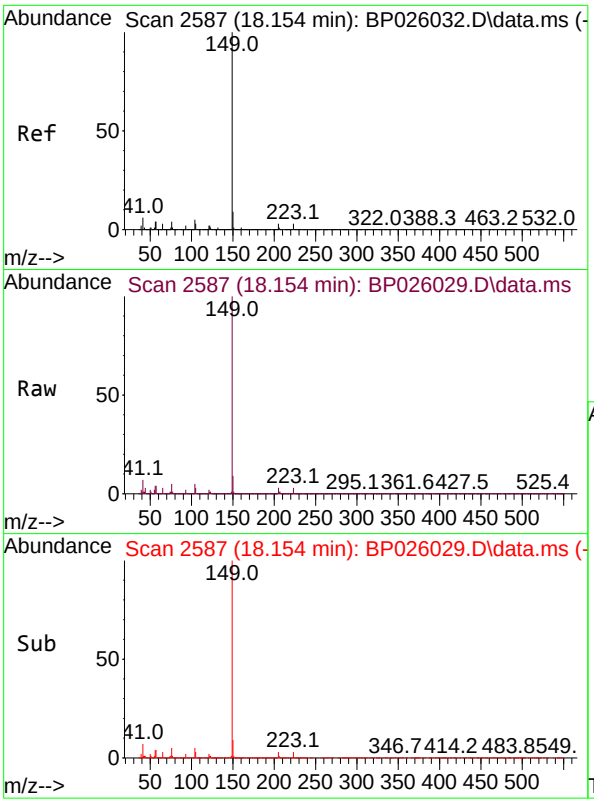


#73
Carbazole
Concen: 4.511 ng
RT: 17.537 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:167 Resp: 447699

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.5	10.2	15.2



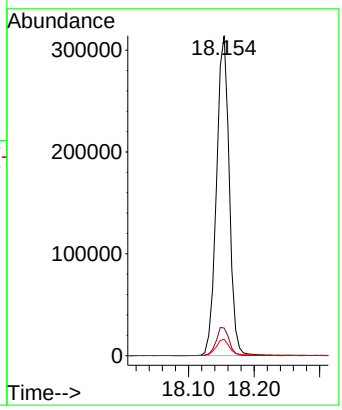


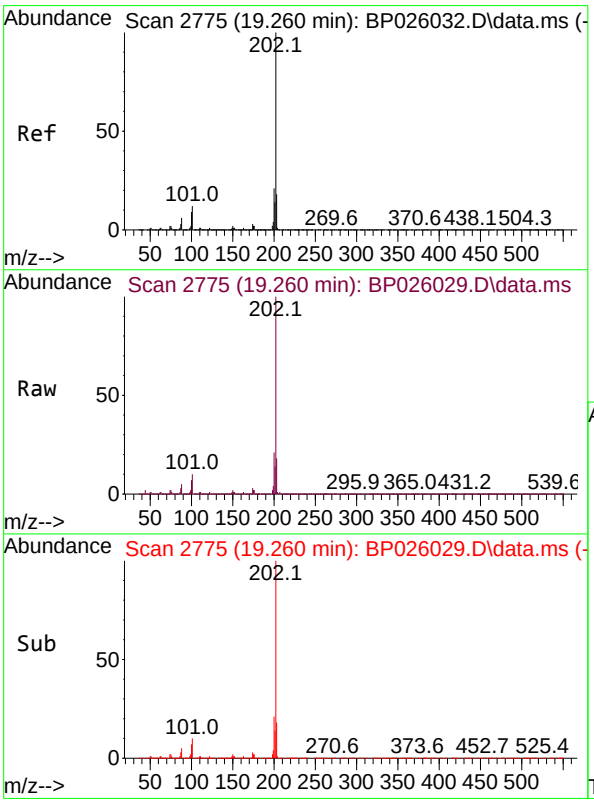
#74
Di-n-butylphthalate
Concen: 3.833 ng
RT: 18.154 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 425656

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.3	10.9
104	5.2	3.8	5.6

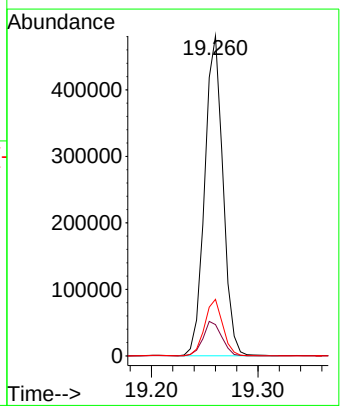


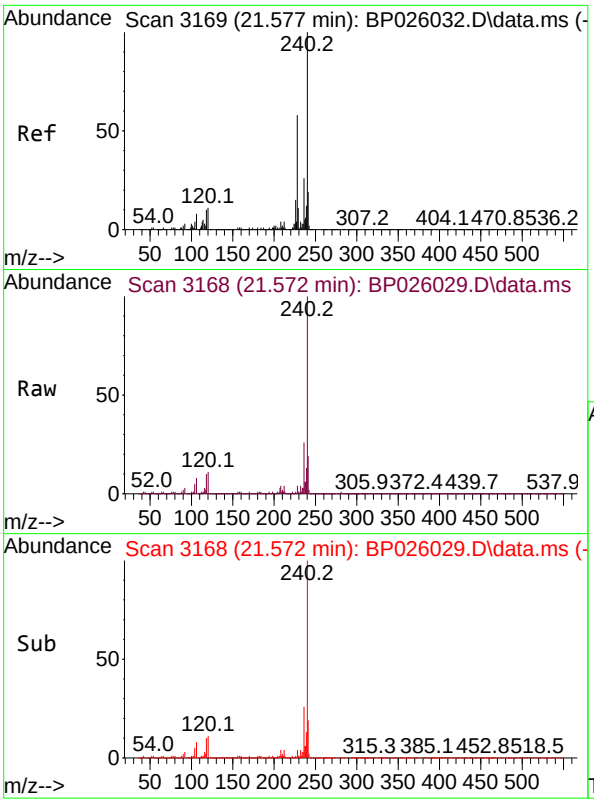


#75
Fluoranthene
Concen: 4.636 ng
RT: 19.260 min Scan# 2775
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:202 Resp: 572045

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.1
203	17.7	0.0	37.6



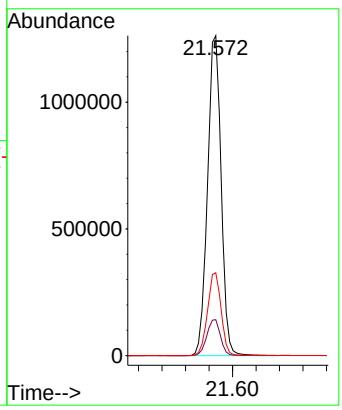


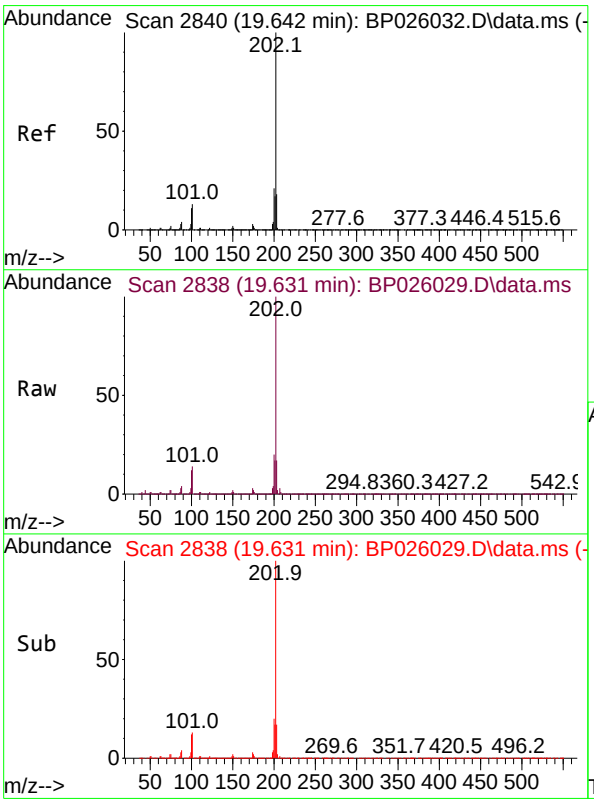
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 2025692

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.9	20.6	31.0

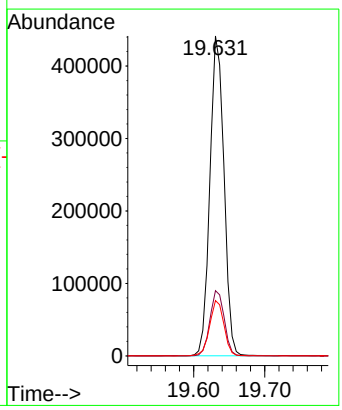


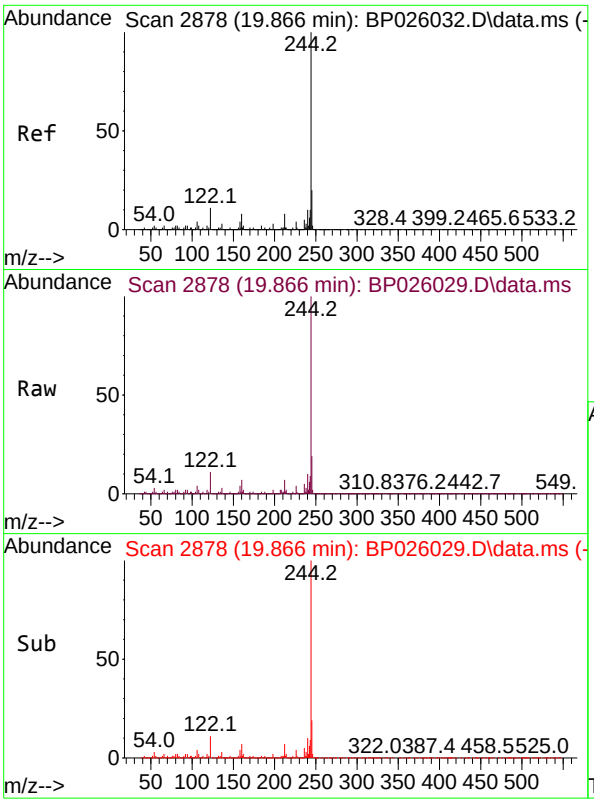


#78
Pyrene
Concen: 4.441 ng
RT: 19.631 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:202 Resp: 608386

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.3	14.0	21.0



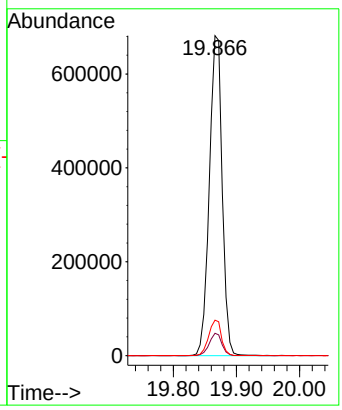


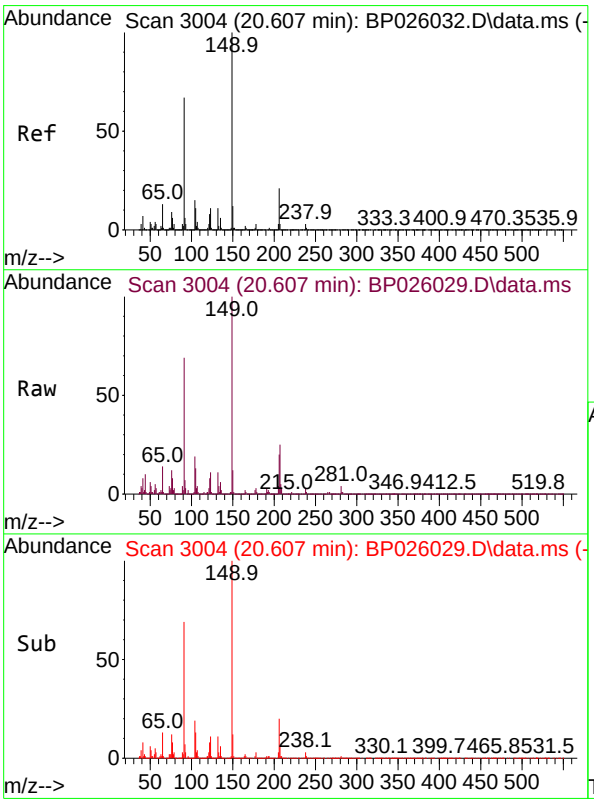
#79
Terphenyl-d14
Concen: 9.677 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 964860

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.1	9.0	13.6

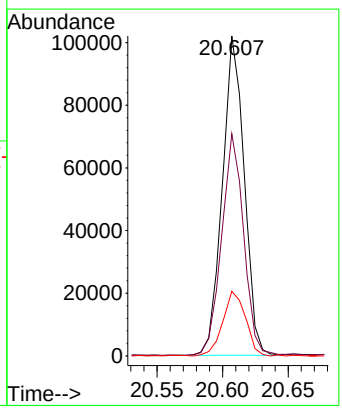


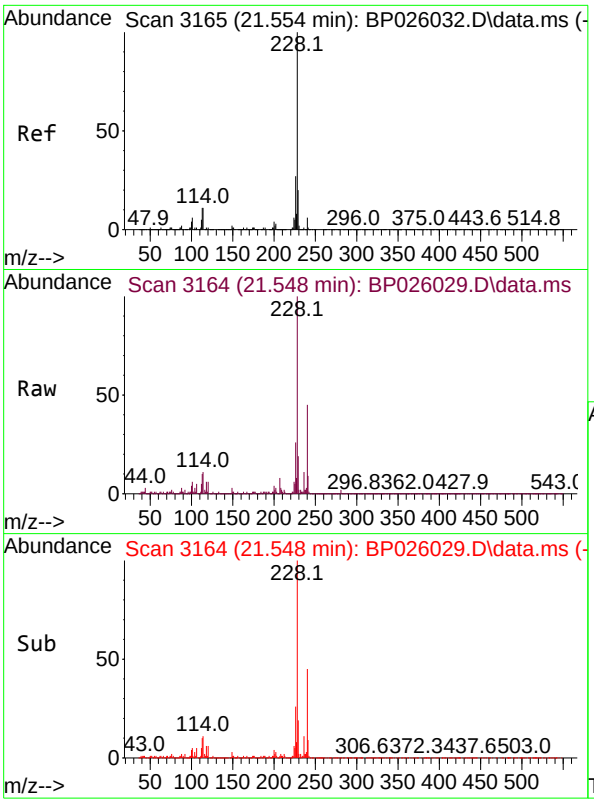


#80
Butylbenzylphthalate
Concen: 5.554 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:149 Resp: 118757

Ion	Ratio	Lower	Upper
149	100		
91	69.4	53.5	80.3
206	20.2	16.6	25.0



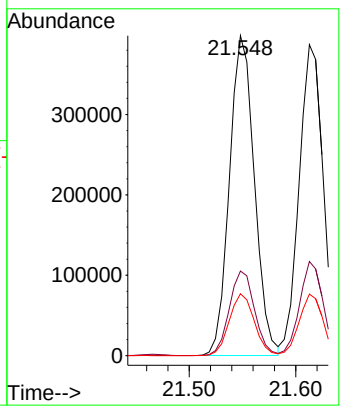


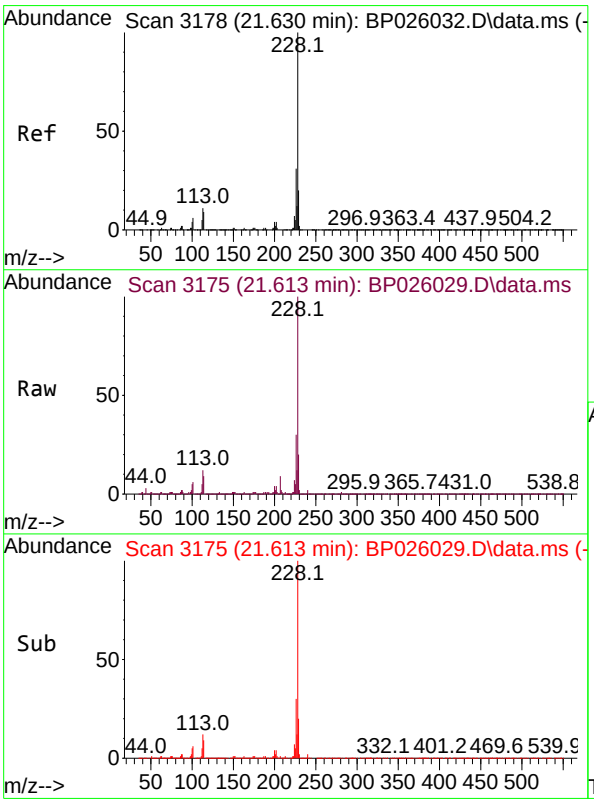
#81
Benzo(a)anthracene
Concen: 4.653 ng
RT: 21.548 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 647742

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.7	32.5
229	19.3	15.8	23.8

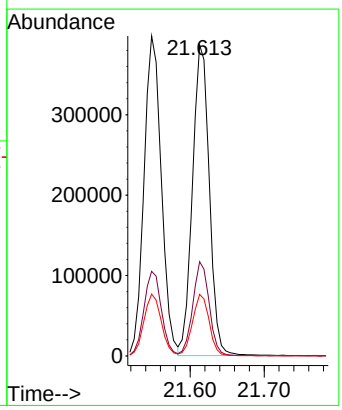


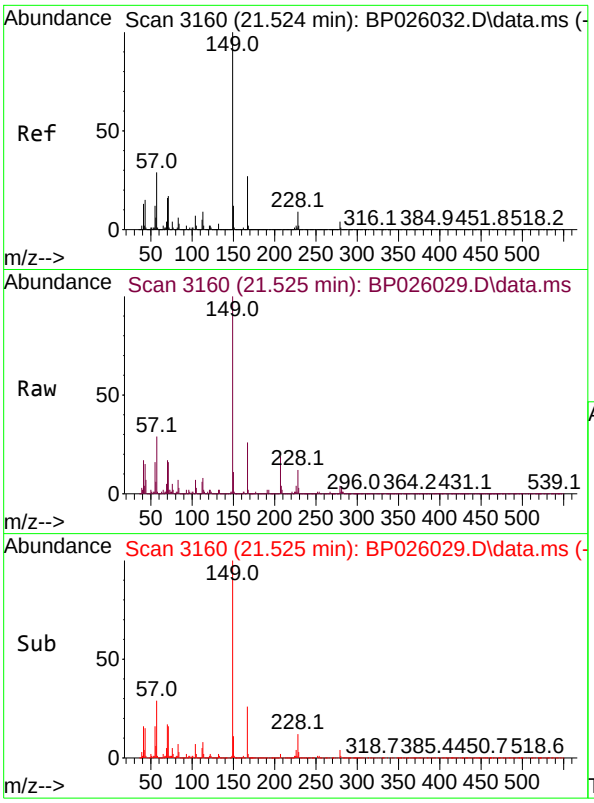


#83
Chrysene
Concen: 4.647 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:228 Resp: 612715

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	19.8	16.0	24.0



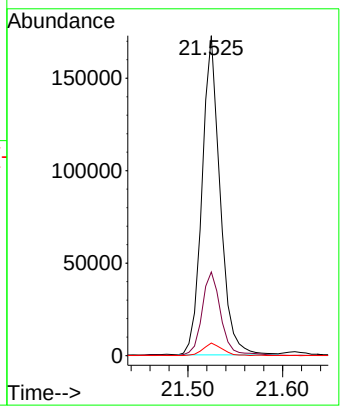


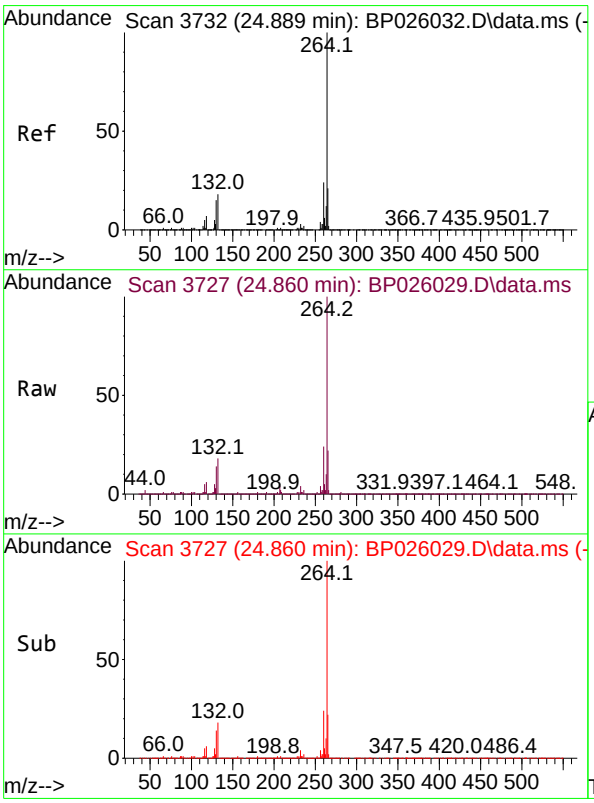
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.327 ng
RT: 21.525 min Scan# 31
Delta R.T. 0.007 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 229182

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.5	32.3
279	3.9	3.0	4.6

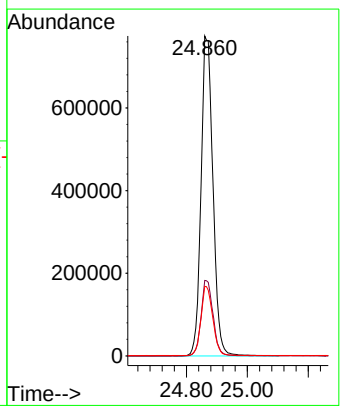


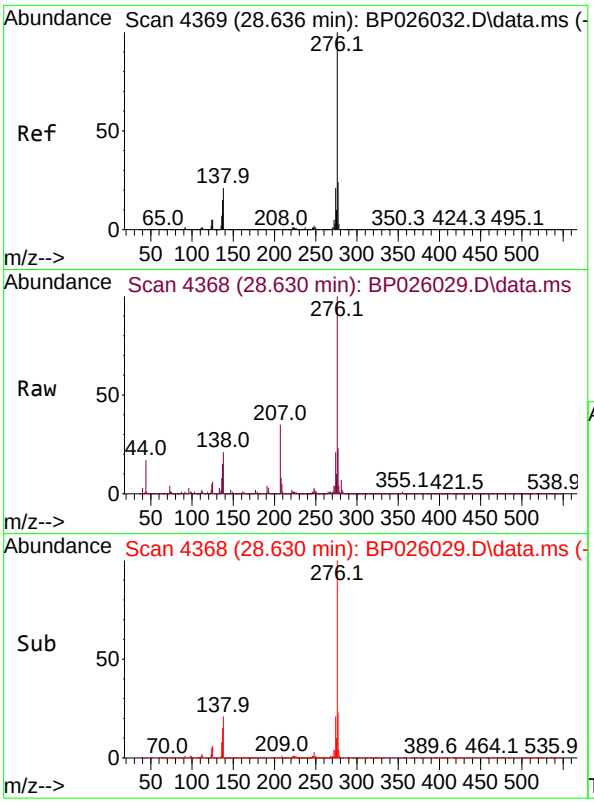


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.860 min Scan# 3727
Delta R.T. -0.023 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:264 Resp: 2104784

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.7	17.2	25.8



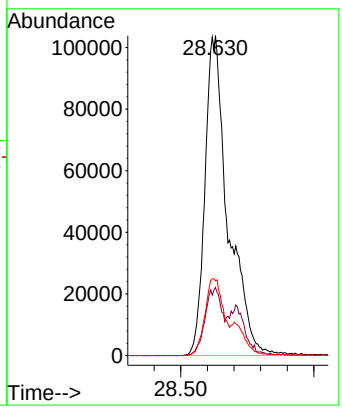


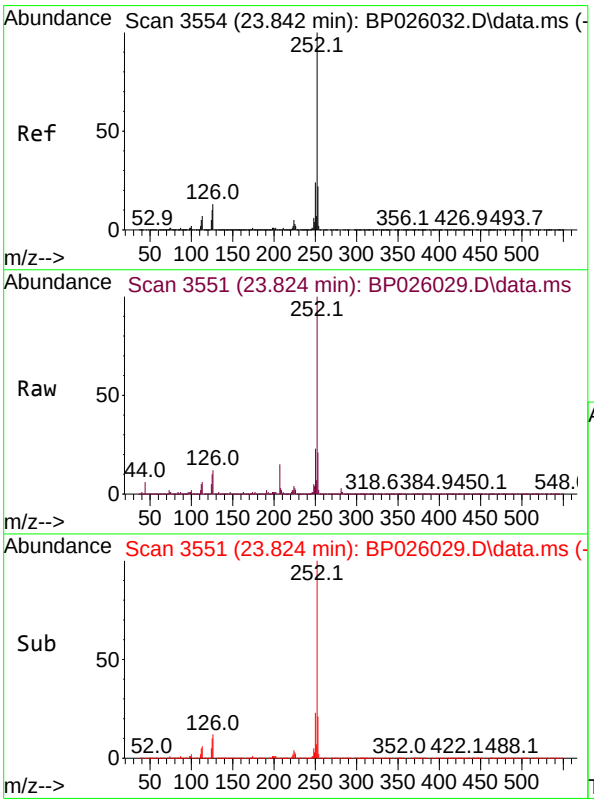
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.030 ng
RT: 28.630 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 626036

Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	19.2	16.3	24.5

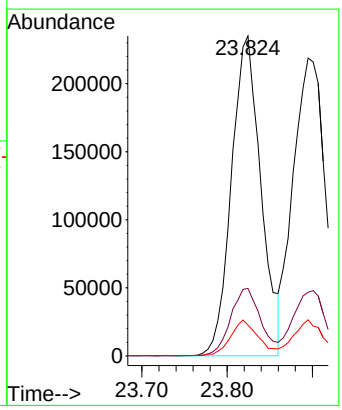


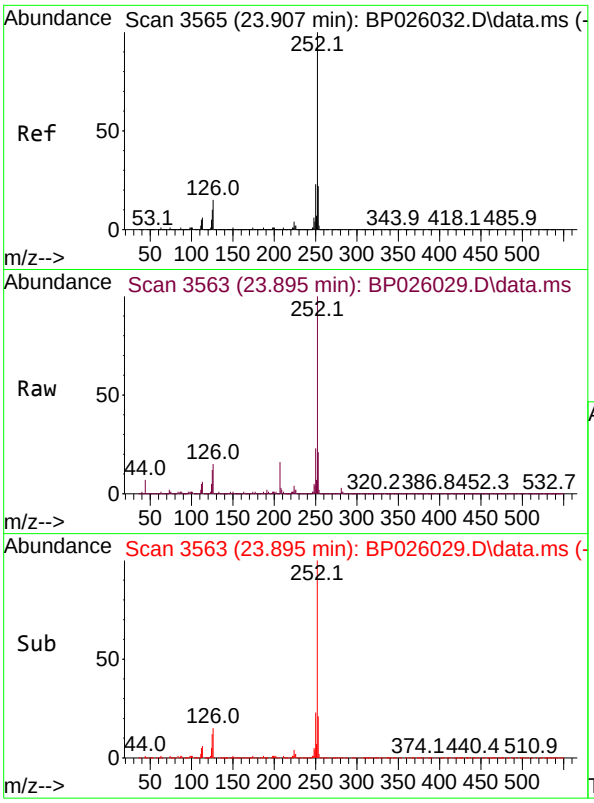


#88
Benzo(b)fluoranthene
Concen: 4.326 ng
RT: 23.824 min Scan# 3551
Delta R.T. -0.023 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:252 Resp: 565252

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	9.7	8.1	12.1



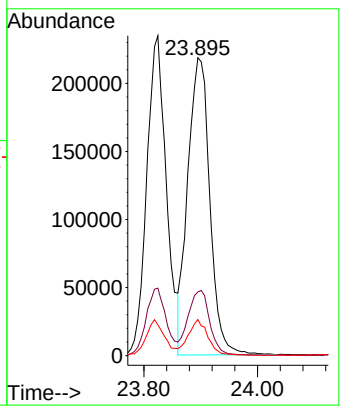


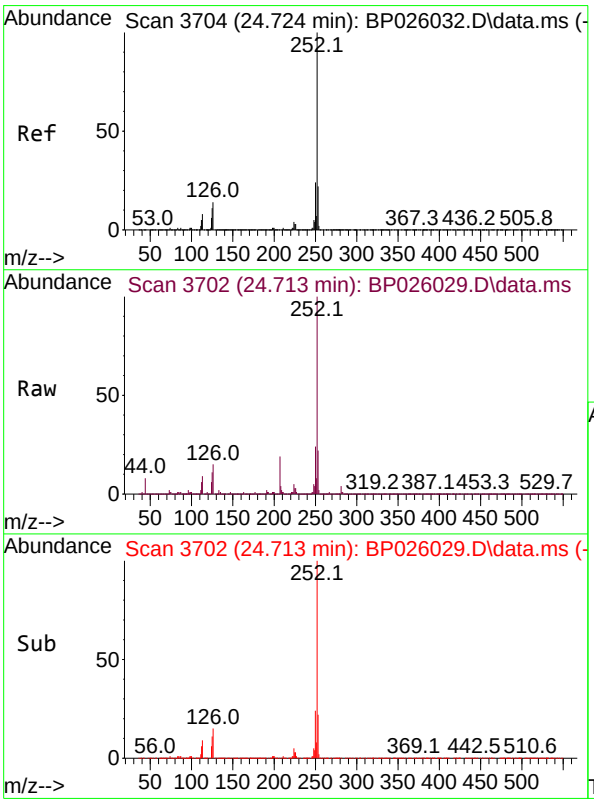
#89
Benzo(k)fluoranthene
Concen: 4.411 ng
RT: 23.895 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 588563

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	12.1	8.1	12.1

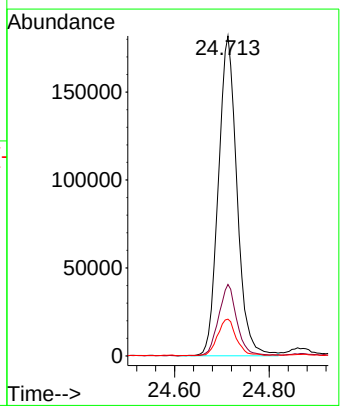


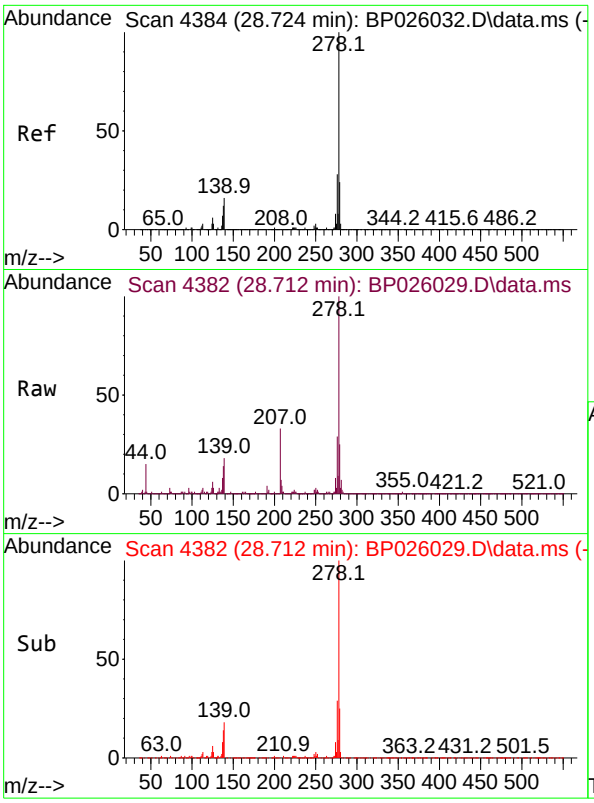


#90
Benzo(a)pyrene
Concen: 4.124 ng
RT: 24.713 min Scan# 3702
Delta R.T. -0.029 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:252 Resp: 495105

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.5	9.1	13.7



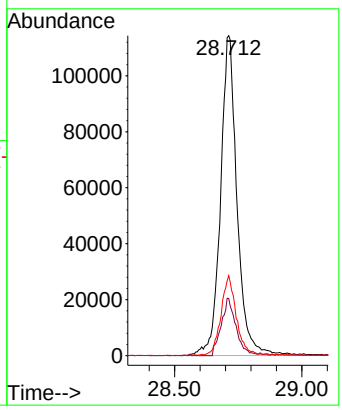


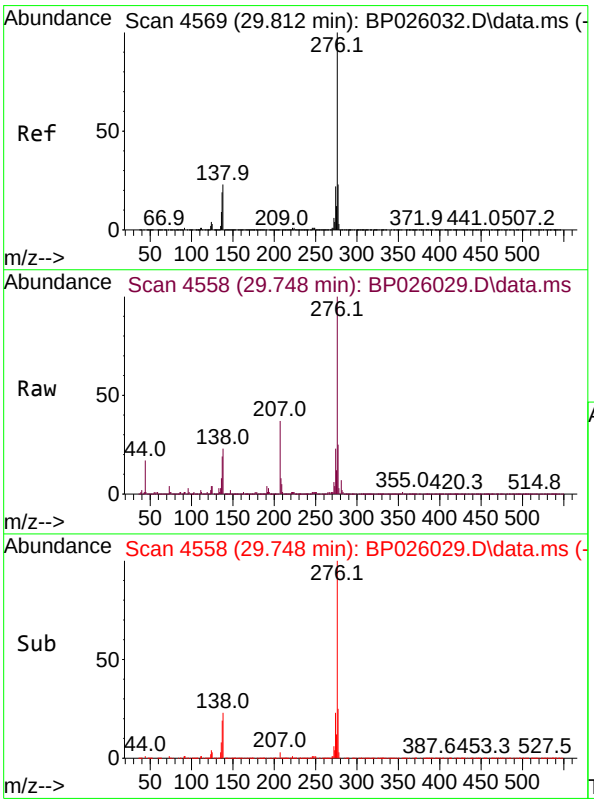
#91
Dibenzo(a,h)anthracene
Concen: 4.069 ng
RT: 28.712 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 514485

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.0	19.6
279	25.0	18.9	28.3

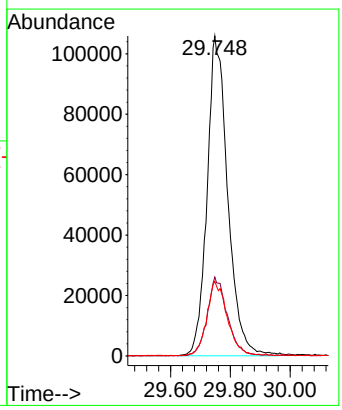




#92
Benzo(g,h,i)perylene
Concen: 4.178 ng
RT: 29.748 min Scan# 4558
Delta R.T. -0.082 min
Lab File: BP026029.D
Acq: 29 Oct 2025 10:07

Tgt Ion:276 Resp: 508408

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	23.3	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	288854	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1158283	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	734566	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1497196	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1590140	20.000	ng		0.00
86) Perylene-d12	24.883	264	1674719	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	362577	20.712	ng		0.00
7) Phenol-d6	6.849	99	456392	20.484	ng		0.00
23) Nitrobenzene-d5	8.819	82	367535	19.781	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	154869	19.502	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	1138070	22.262	ng		0.00
79) Terphenyl-d14	19.860	244	1788115	22.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	81890	11.097	ng		98
3) Pyridine	3.625	79	222154	10.590	ng		98
4) n-Nitrosodimethylamine	3.537	42	86859	10.330	ng	#	96
6) Aniline	7.013	93	311508	10.476	ng		99
8) 2-Chlorophenol	7.249	128	195513	10.086	ng		99
9) Benzaldehyde	6.831	77	123534m	10.666	ng		
10) Phenol	6.878	94	255762	10.340	ng		99
11) bis(2-Chloroethyl)ether	7.114	93	207158	10.612	ng		98
12) 1,3-Dichlorobenzene	7.578	146	239783	10.771	ng		99
13) 1,4-Dichlorobenzene	7.719	146	242788	10.787	ng		99
14) 1,2-Dichlorobenzene	8.031	146	230430	10.729	ng		100
15) Benzyl Alcohol	7.908	79	154491	9.618	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	319172	10.818	ng		99
17) 2-Methylphenol	8.113	107	163076	10.068	ng		99
18) Hexachloroethane	8.755	117	81158	10.537	ng		96
19) n-Nitroso-di-n-propyla...	8.472	70	146354	10.582	ng		99
20) 3+4-Methylphenols	8.431	107	219610	9.746	ng		99
22) Acetophenone	8.490	105	317614	10.842	ng	#	98
24) Nitrobenzene	8.860	77	200078	10.199	ng		98
25) Isophorone	9.378	82	417831	10.506	ng		98
26) 2-Nitrophenol	9.566	139	53200	9.634	ng		96
27) 2,4-Dimethylphenol	9.625	122	177027	10.585	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	269975	10.772	ng		99
29) 2,4-Dichlorophenol	10.096	162	175015	9.911	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	209064	10.893	ng		97
31) Naphthalene	10.502	128	684226	10.833	ng		99
32) Benzoic acid	9.684	122	58000	10.150	ng		90
33) 4-Chloroaniline	10.596	127	255029	10.507	ng		100
34) Hexachlorobutadiene	10.796	225	133883	10.977	ng		99
35) Caprolactam	11.331	113	57604	9.290	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	181561	9.808	ng		99
37) 2-Methylnaphthalene	12.113	142	476697	10.783	ng		99
38) 1-Methylnaphthalene	12.331	142	463905	10.801	ng		99
40) 1,2,4,5-Tetrachloroben...	12.484	216	245958	10.776	ng		100
41) Hexachlorocyclopentadiene	12.472	237	73538	8.806	ng		95
43) 2,4,6-Trichlorophenol	12.719	196	125693	9.317	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	151902	9.868	ng		97
46) 1,1'-Biphenyl	13.131	154	614441	10.924	ng		99
47) 2-Chloronaphthalene	13.172	162	479020	10.824	ng		99
48) 2-Nitroaniline	13.366	65	83149	9.741	ng		92
49) Acenaphthylene	14.031	152	677627	10.506	ng		100
50) Dimethylphthalate	13.766	163	578145	10.820	ng		100
51) 2,6-Dinitrotoluene	13.878	165	71941	9.731	ng		88
52) Acenaphthene	14.384	154	471935	10.658	ng		99
53) 3-Nitroaniline	14.201	138	93292	9.962	ng	#	90
54) 2,4-Dinitrophenol	14.413	184	25388	10.017	ng	#	90
55) Dibenzofuran	14.725	168	733645	10.966	ng		99
56) 4-Nitrophenol	14.513	139	101905	9.565	ng		93
57) 2,4-Dinitrotoluene	14.678	165	105824	9.727	ng		97
58) Fluorene	15.390	166	595481	11.361	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	111275	9.194	ng		99
60) Diethylphthalate	15.166	149	576582	10.734	ng		99
61) 4-Chlorophenyl-phenyle...	15.390	204	294916	11.267	ng		98
62) 4-Nitroaniline	15.390	138	108022	9.461	ng		93
63) Azobenzene	15.690	77	541815	11.130	ng		100
65) 4,6-Dinitro-2-methylph...	15.448	198	39648	10.014	ng		94
66) n-Nitrosodiphenylamine	15.601	169	507903	10.850	ng		99
67) 4-Bromophenyl-phenylether	16.301	248	175158	10.547	ng		96
68) Hexachlorobenzene	16.419	284	204634	10.824	ng		97
69) Atrazine	16.578	200	159536	10.103	ng		99
70) Pentachlorophenol	16.766	266	94142	8.152	ng		97
71) Phenanthrene	17.166	178	964196	11.064	ng		99
72) Anthracene	17.260	178	945078	10.941	ng		100
73) Carbazole	17.536	167	877310	10.729	ng		100
74) Di-n-butylphthalate	18.154	149	912617	9.974	ng		100
75) Fluoranthene	19.254	202	1100035	10.821	ng		99
77) Benzidine	19.454	184	327160	8.106	ng		99
78) Pyrene	19.630	202	1182711	10.997	ng		99
80) Butylbenzylphthalate	20.607	149	267569	9.589	ng		98
81) Benzo(a)anthracene	21.542	228	1190374	10.894	ng		100
82) 3,3'-Dichlorobenzidine	21.472	252	310231	8.812	ng		99
83) Chrysene	21.607	228	1132388	10.940	ng		98
84) Bis(2-ethylhexyl)phtha...	21.525	149	487334	9.805	ng		100
85) Di-n-octyl phthalate	22.795	149	653399	6.903	ng		96
87) Indeno(1,2,3-cd)pyrene	28.618	276	1244503m	10.070	ng		
88) Benzo(b)fluoranthene	23.830	252	1069169	10.284	ng		99
89) Benzo(k)fluoranthene	23.901	252	1143258	10.769	ng		100
90) Benzo(a)pyrene	24.724	252	978750	10.247	ng		99
91) Dibenzo(a,h)anthracene	28.712	278	1020484	10.142	ng		99
92) Benzo(g,h,i)perylene	29.777	276	977235	10.093	ng		98

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

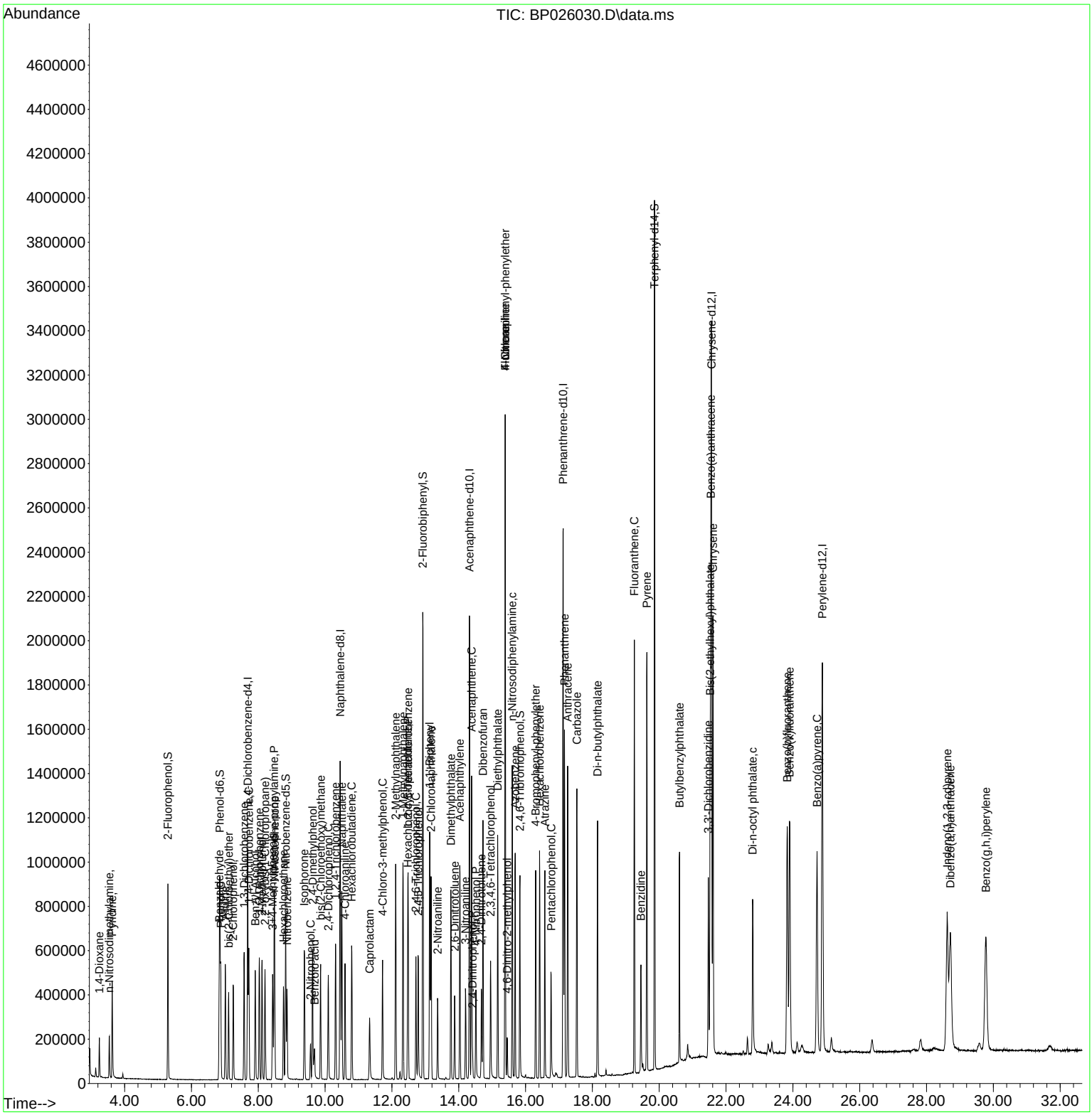
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

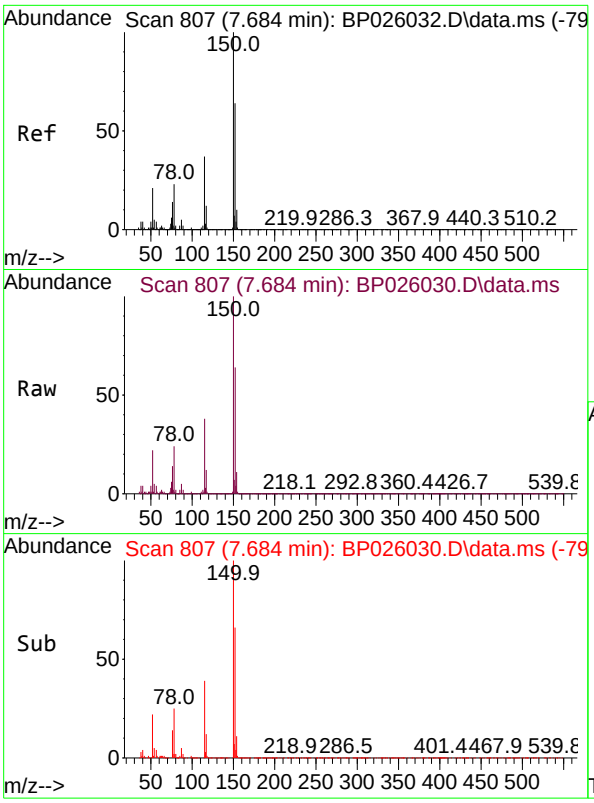
Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

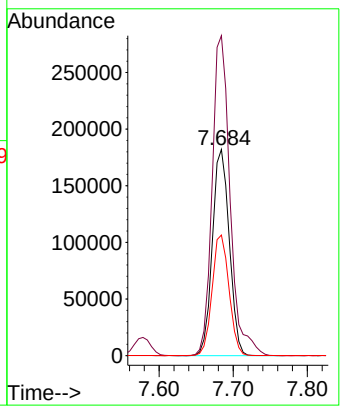




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:152 Resp: 288854

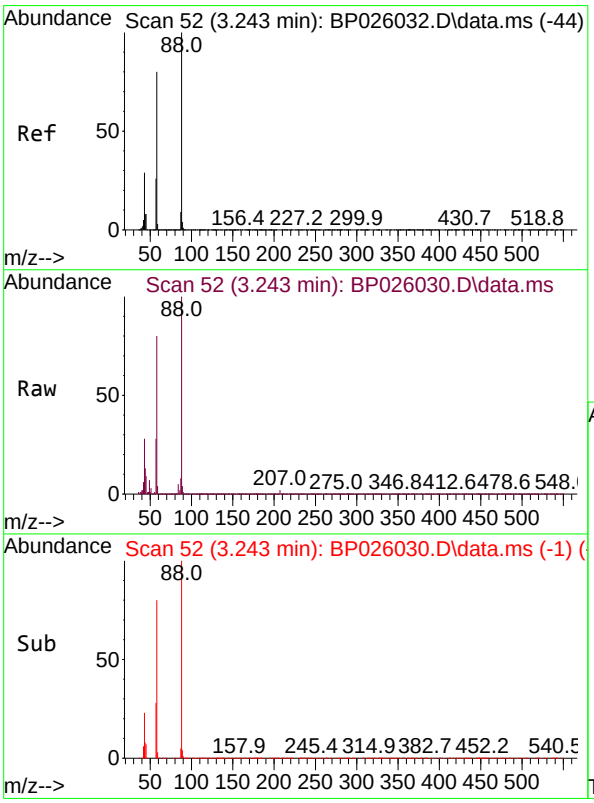
Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.7	188.5
115	58.4	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

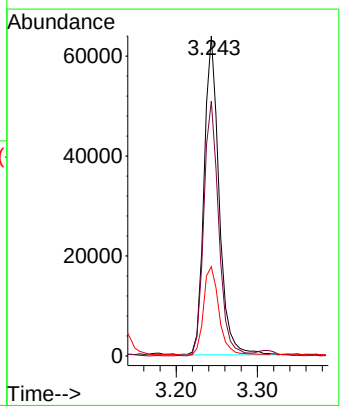
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

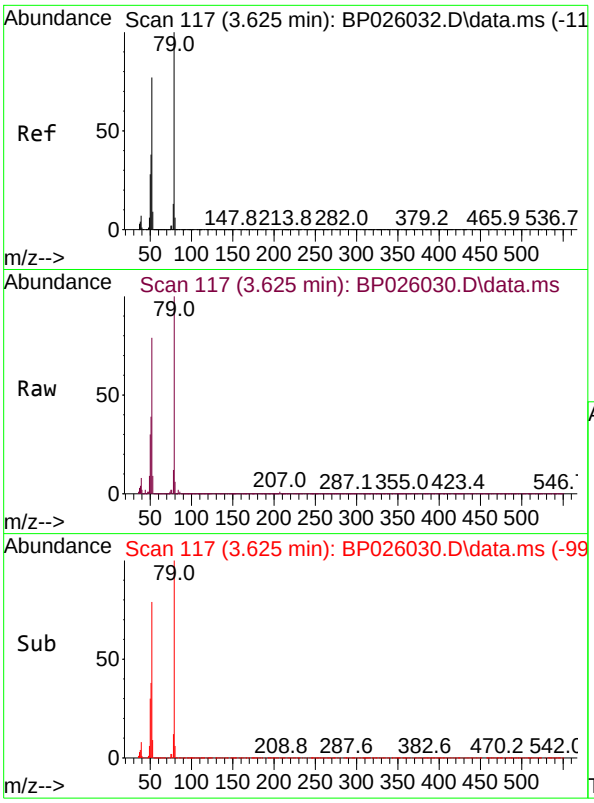


#2
1,4-Dioxane
Concen: 11.097 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 88 Resp: 81890

Ion	Ratio	Lower	Upper
88	100		
58	80.0	65.4	98.0
43	28.6	23.1	34.7

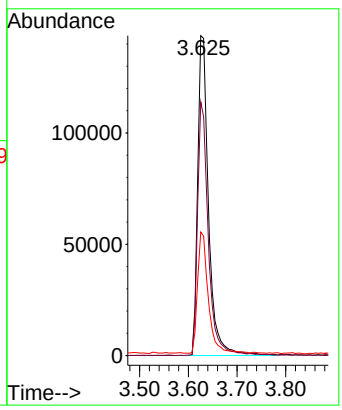




#3
Pyridine
Concen: 10.590 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 79 Resp: 22215

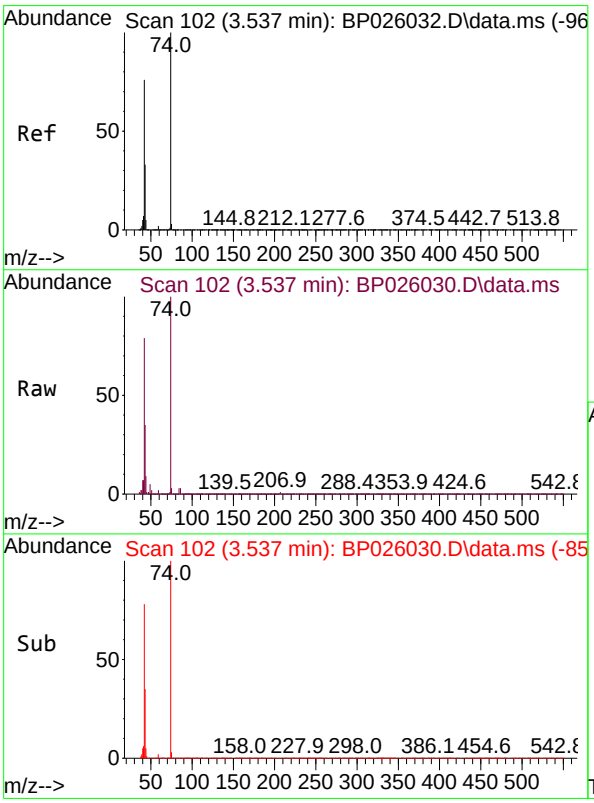
Ion	Ratio	Lower	Upper
79	100		
52	79.3	62.0	93.0
51	38.6	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

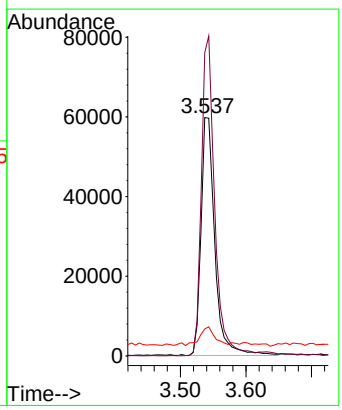
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

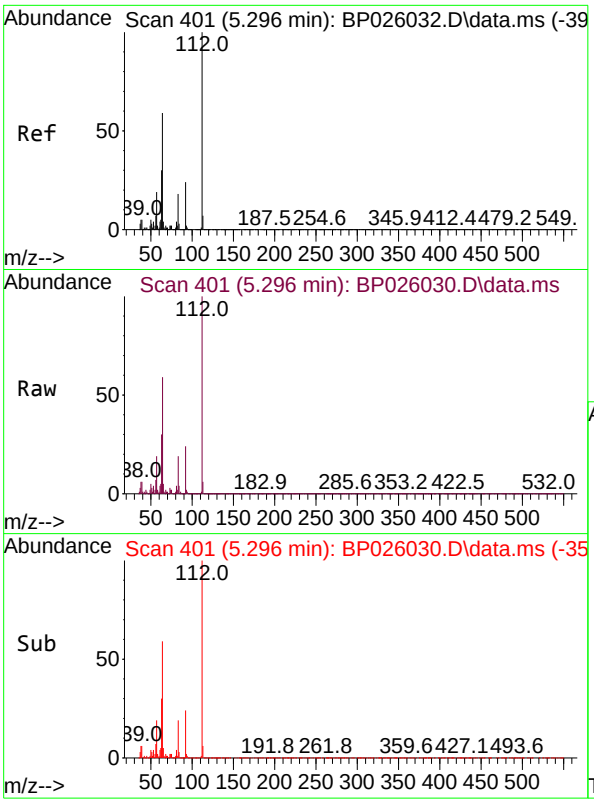


#4
n-Nitrosodimethylamine
Concen: 10.330 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 42 Resp: 86859

Ion	Ratio	Lower	Upper
42	100		
74	127.2	105.7	158.5
44	11.3	6.6	9.8#

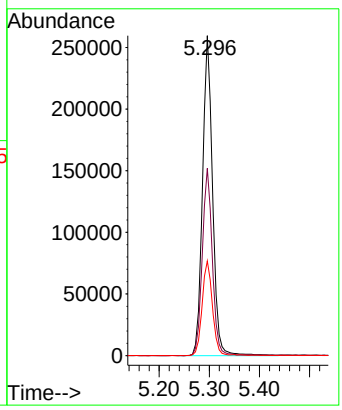




#5
2-Fluorophenol
Concen: 20.712 ng
RT: 5.296 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:112 Resp: 36257

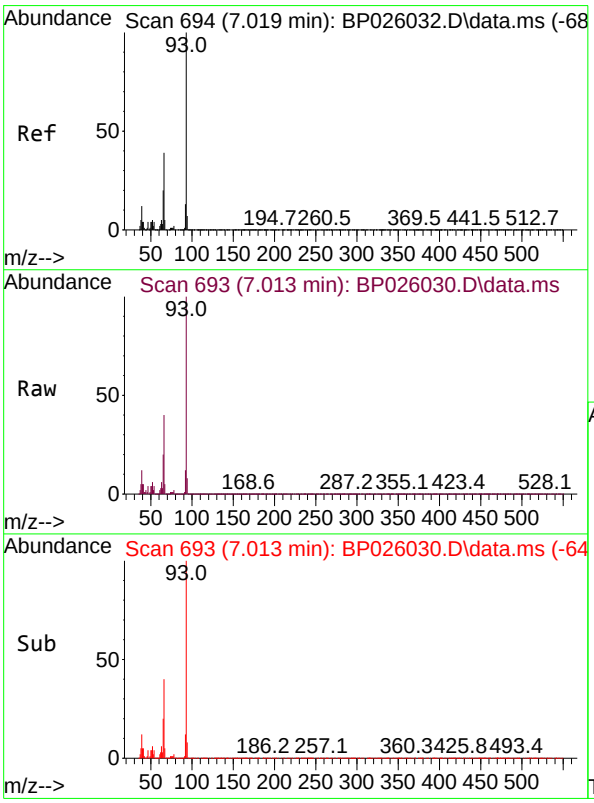
Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.4	71.2
63	29.6	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

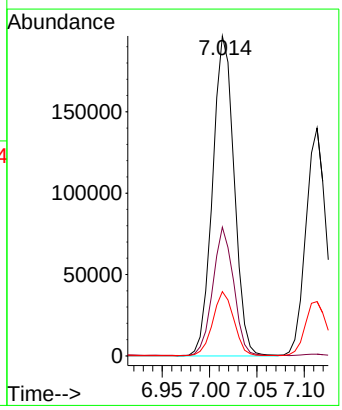
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

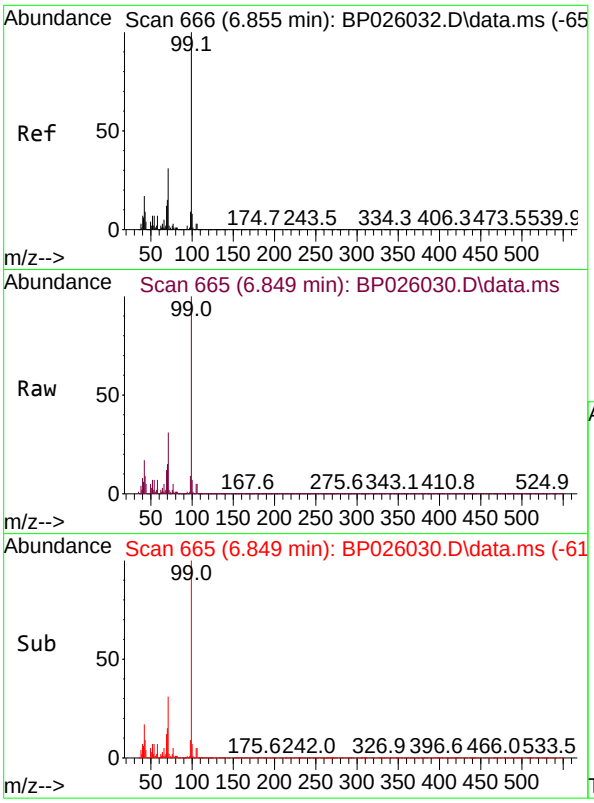


#6
Aniline
Concen: 10.476 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 311508

Ion	Ratio	Lower	Upper
93	100		
66	40.2	31.2	46.8
65	20.1	16.1	24.1

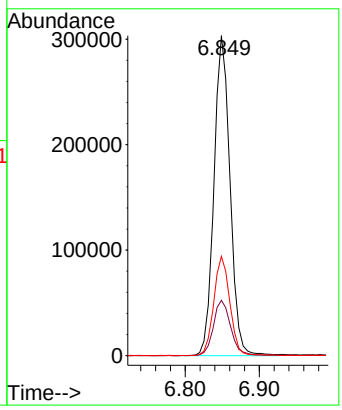




#7
Phenol-d6
Concen: 20.484 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 99 Resp: 45639

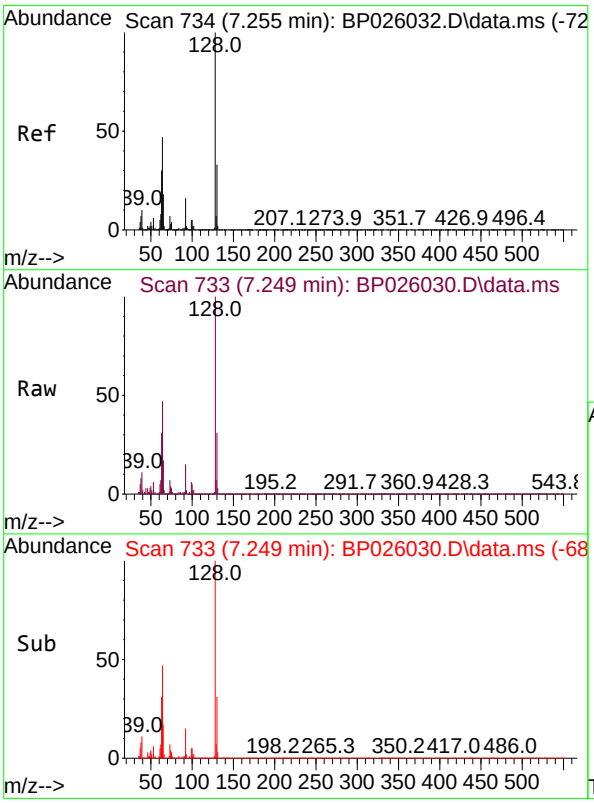
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	31.1	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

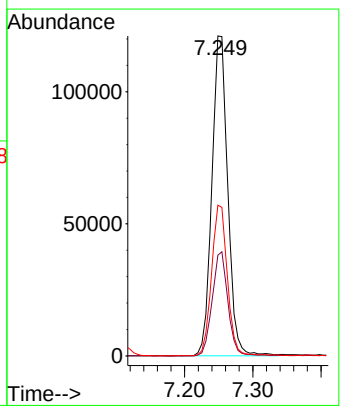
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

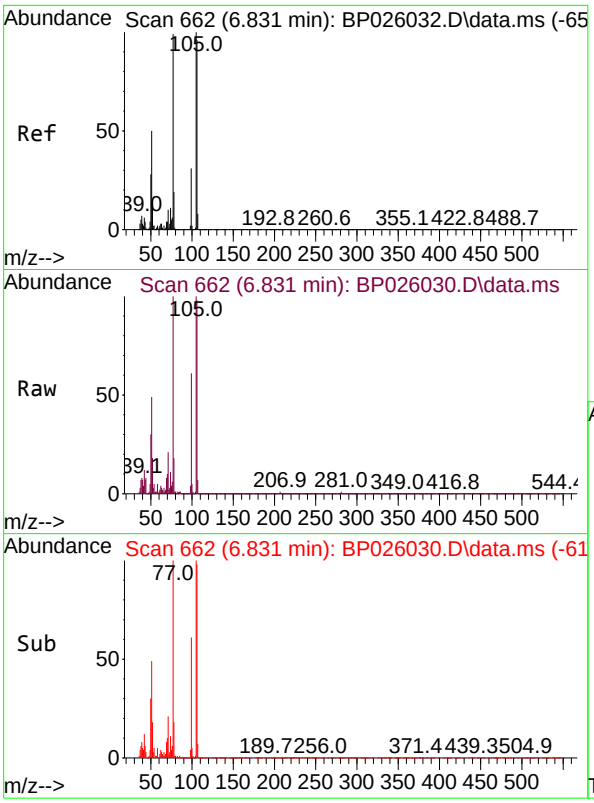


#8
2-Chlorophenol
Concen: 10.086 ng
RT: 7.249 min Scan# 733
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:128 Resp: 195513

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.7	52.7
64	47.1	27.4	67.4

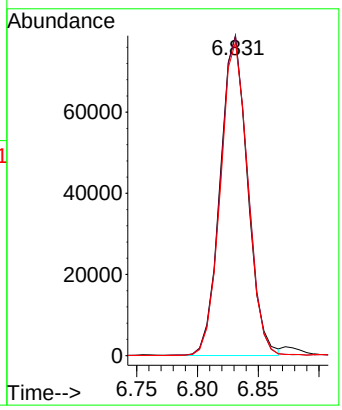




#9
Benzaldehyde
Concen: 10.666 ng m
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 12353

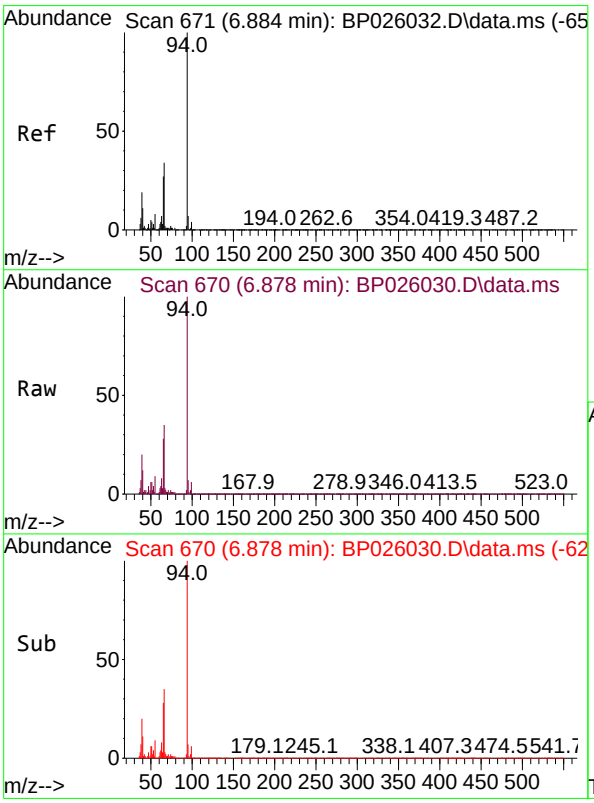
Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.7	120.7
106	98.0	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

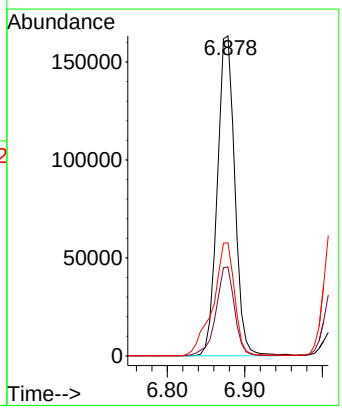
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

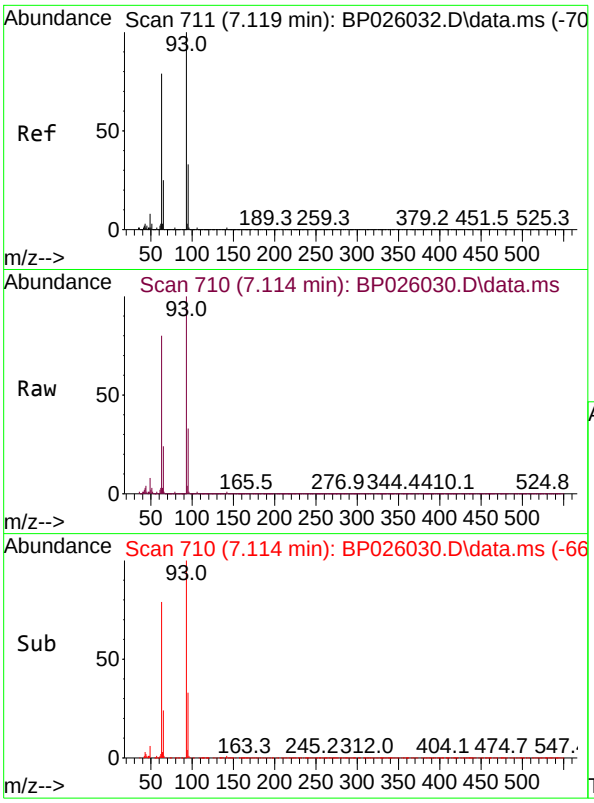


#10
Phenol
Concen: 10.340 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 94 Resp: 255762

Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.1	47.1
66	35.3	14.4	54.4

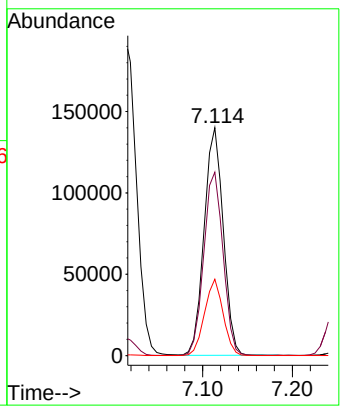




#11
bis(2-Chloroethyl)ether
Concen: 10.612 ng
RT: 7.114 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 20715

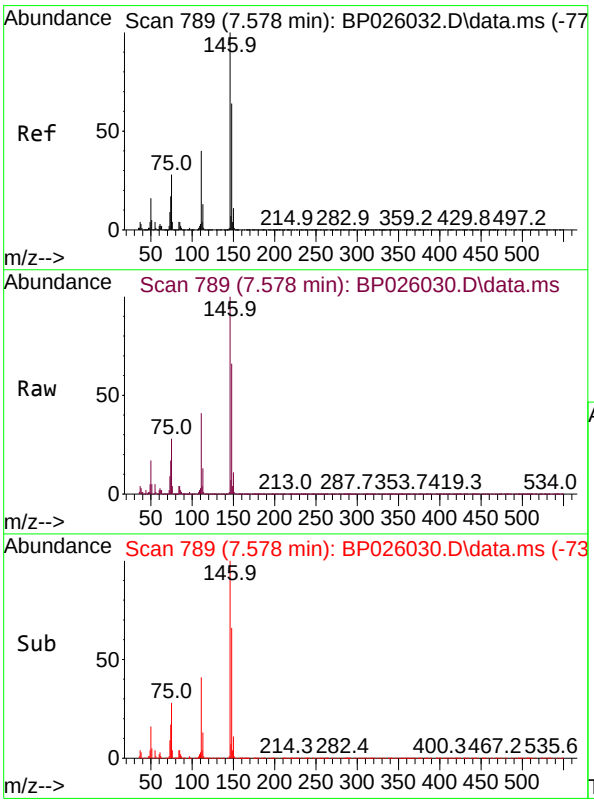
Ion	Ratio	Lower	Upper
93	100		
63	80.5	59.1	99.1
95	33.5	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

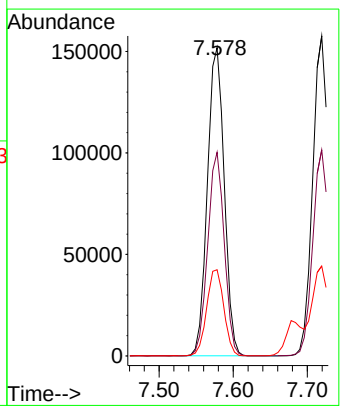
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

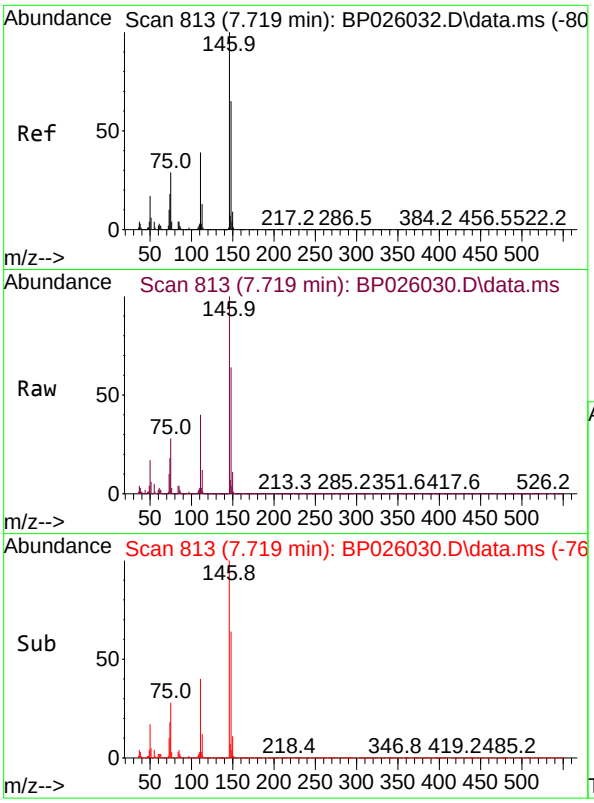


#12
1,3-Dichlorobenzene
Concen: 10.771 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 239783

Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.6	77.4
75	28.0	22.6	33.8

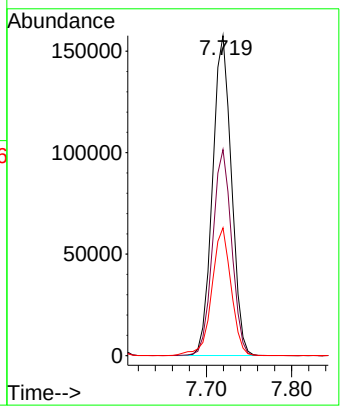




#13
1,4-Dichlorobenzene
Concen: 10.787 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 24278

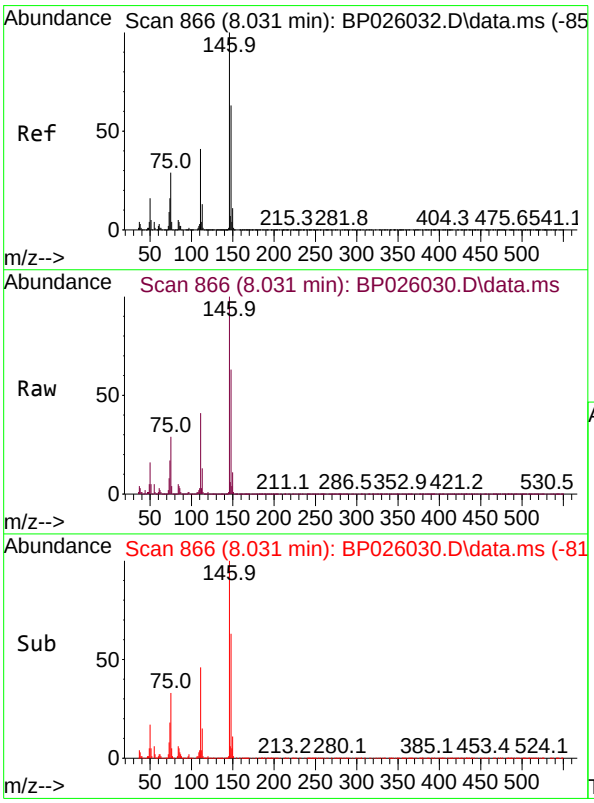
Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	39.9	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

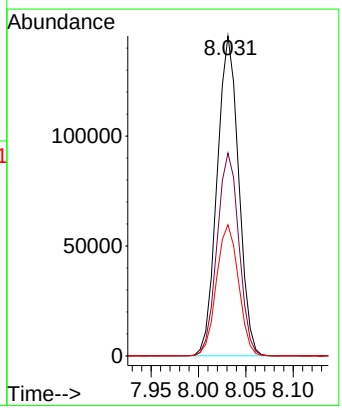
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

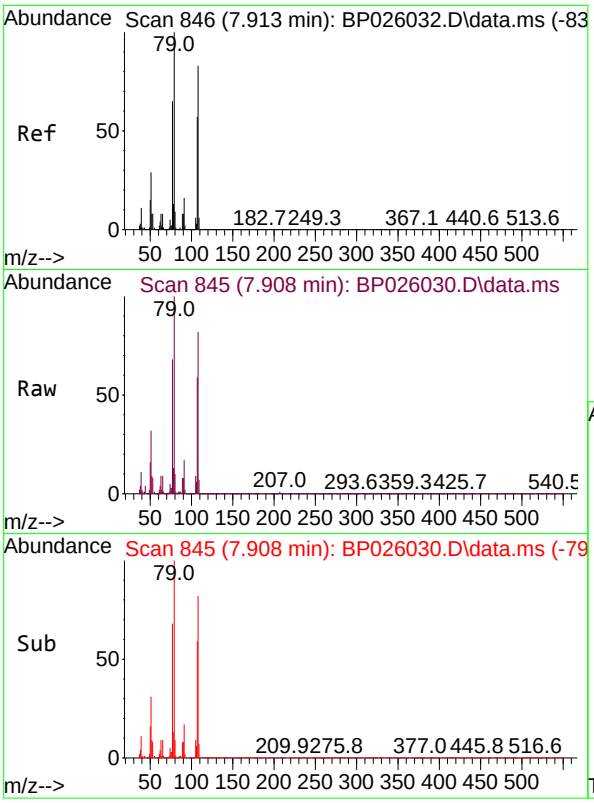


#14
1,2-Dichlorobenzene
Concen: 10.729 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:146 Resp: 230430

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	41.0	33.0	49.4

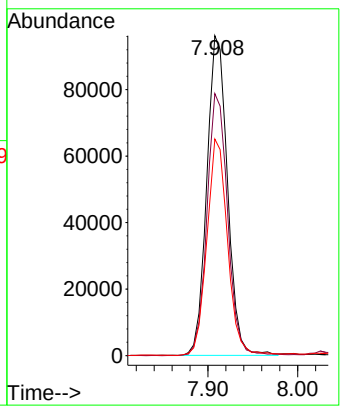




#15
Benzyl Alcohol
Concen: 9.618 ng
RT: 7.908 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 79 Resp: 15449

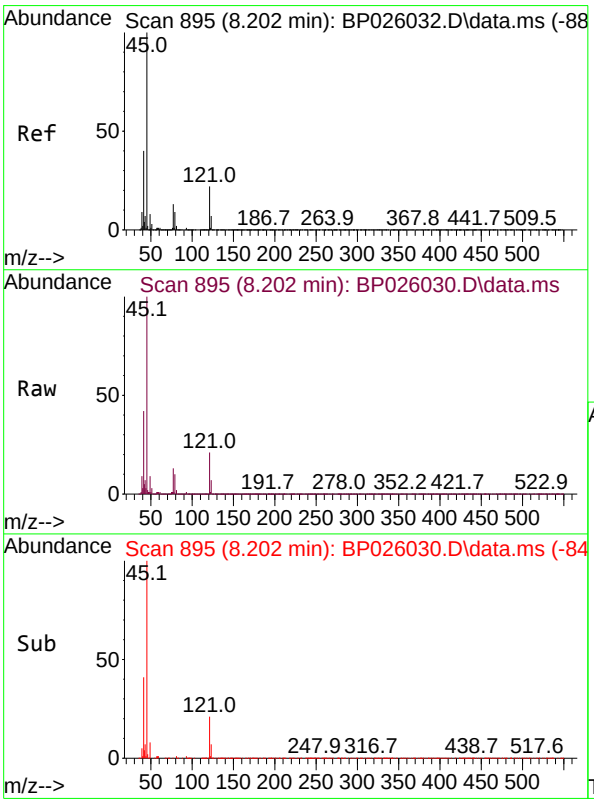
Ion	Ratio	Lower	Upper
79	100		
108	81.9	66.0	99.0
77	67.7	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

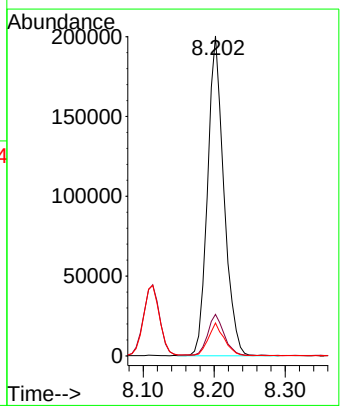
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

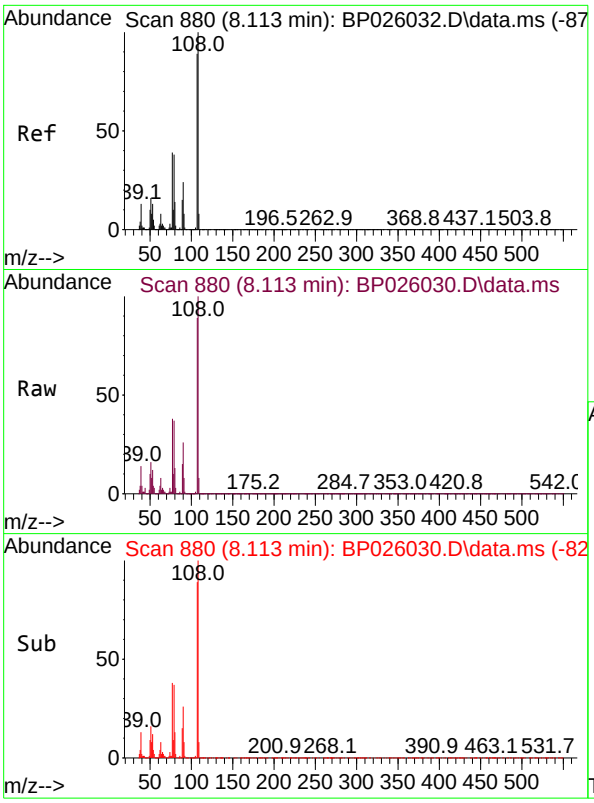


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.818 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 45 Resp: 319172

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.2
79	10.3	0.0	29.5

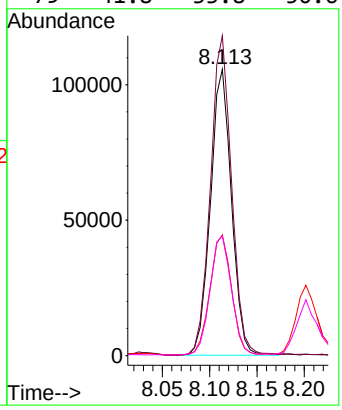




#17
2-Methylphenol
Concen: 10.068 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 16307

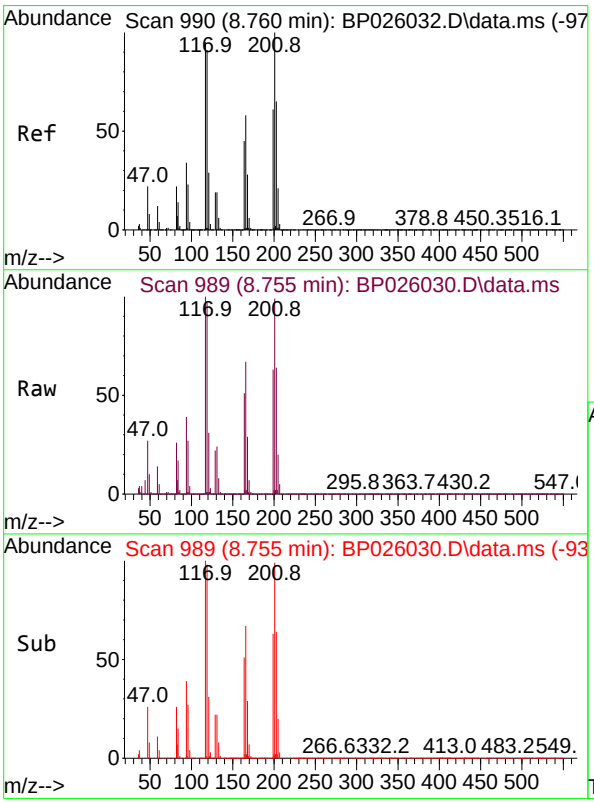
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.8	134.8
77	42.2	34.8	52.2
79	41.8	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

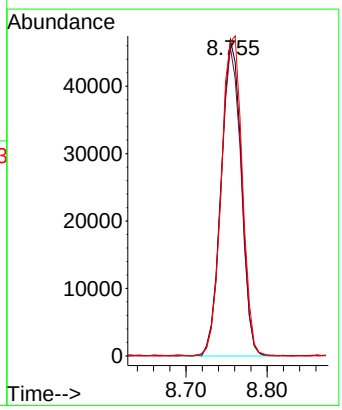
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

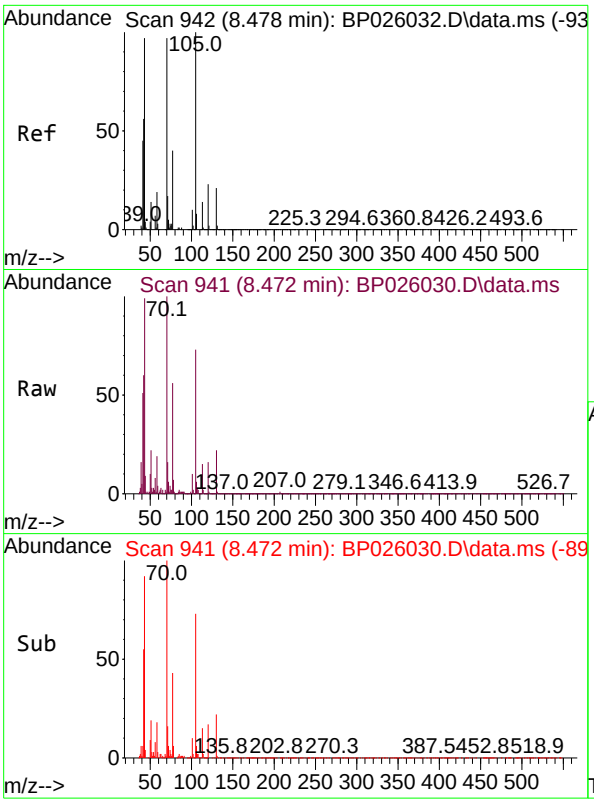


#18
Hexachloroethane
Concen: 10.537 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:117 Resp: 81158

Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
201	99.3	84.2	126.4

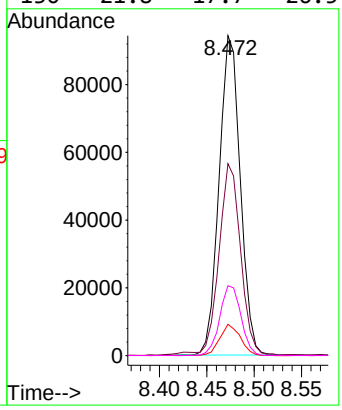




#19
n-Nitroso-di-n-propylamine
Concen: 10.582 ng
RT: 8.472 min Scan# 94
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 70 Resp: 14635

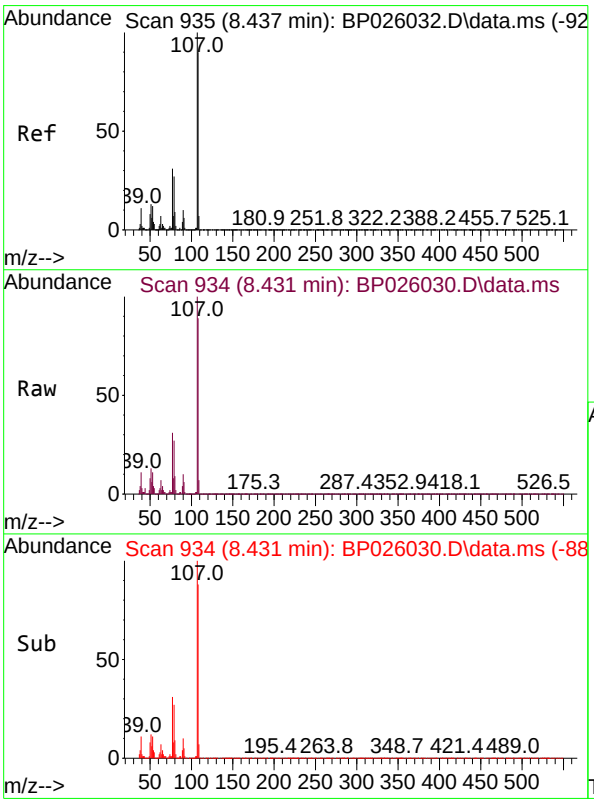
Ion	Ratio	Lower	Upper
70	100		
42	60.0	47.2	70.8
101	9.8	8.2	12.2
130	21.8	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

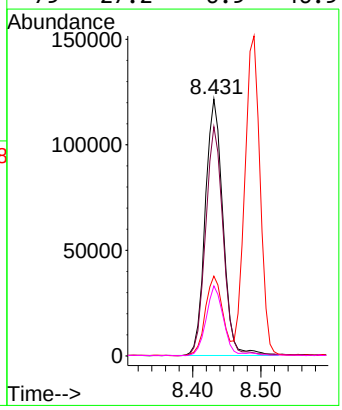
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

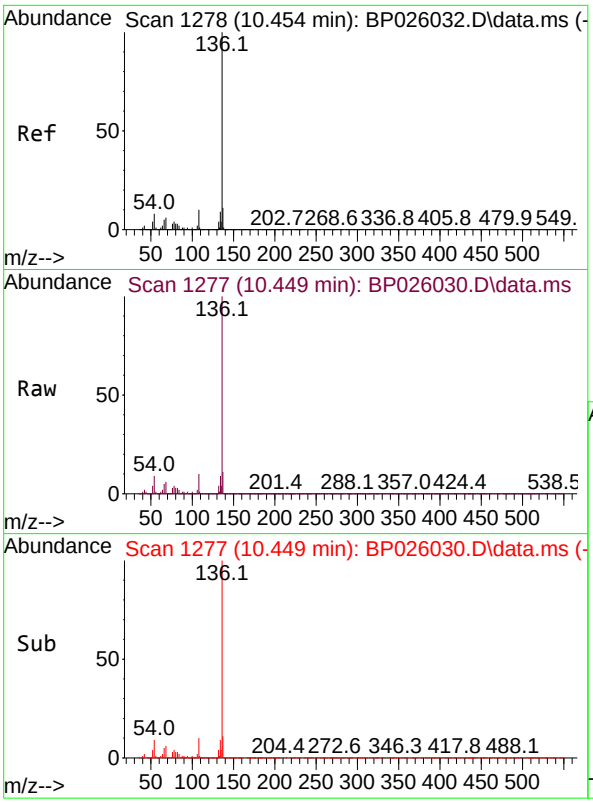


#20
3+4-Methylphenols
Concen: 9.746 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 219610

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.1	110.1
77	31.0	10.7	50.7
79	27.2	6.9	46.9

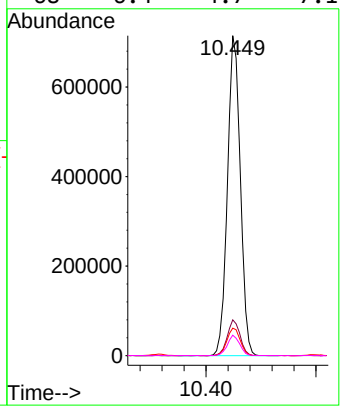




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:136 Resp: 115828

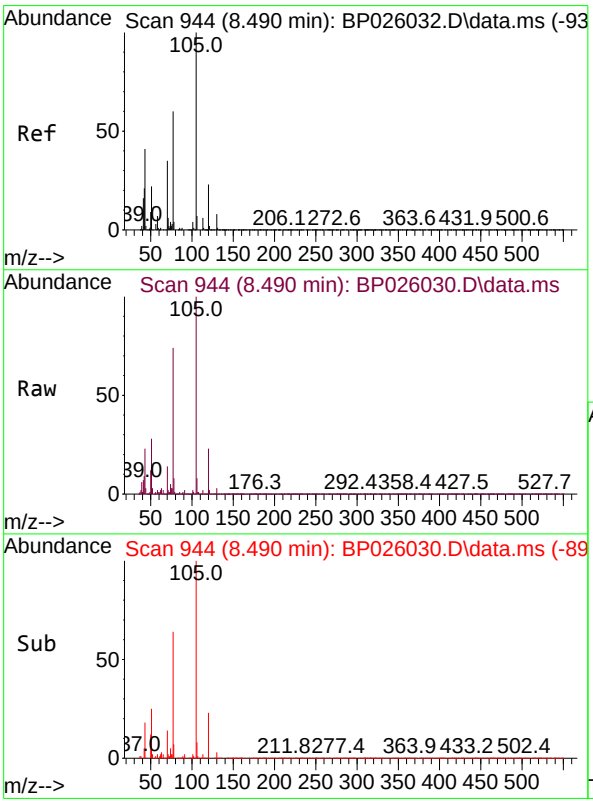
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	6.6	10.0
68	6.4	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

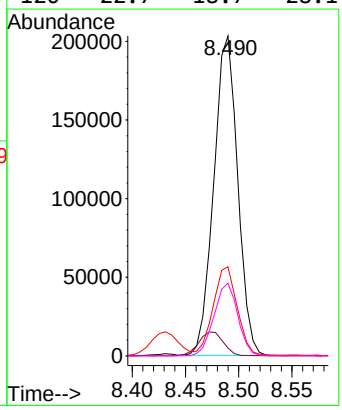
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

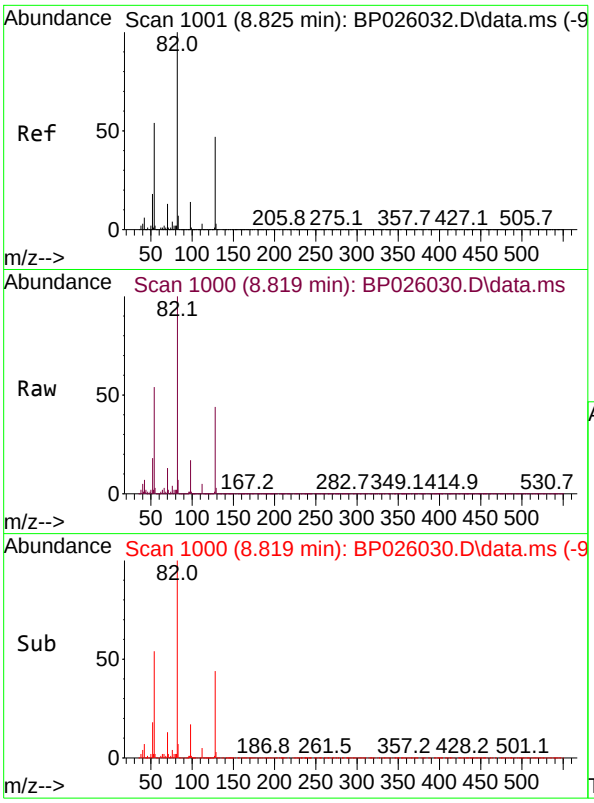


#22
Acetophenone
Concen: 10.842 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:105 Resp: 317614

Ion	Ratio	Lower	Upper
105	100		
71	2.5	4.7	7.1#
51	27.9	21.8	32.8
120	22.7	18.7	28.1

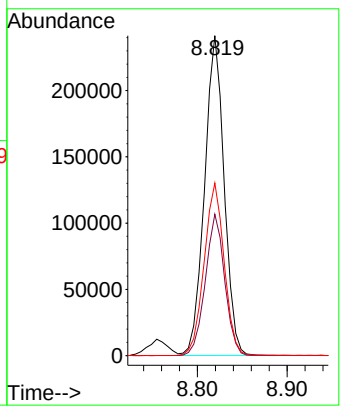




#23
Nitrobenzene-d5
Concen: 19.781 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 82 Resp: 36753

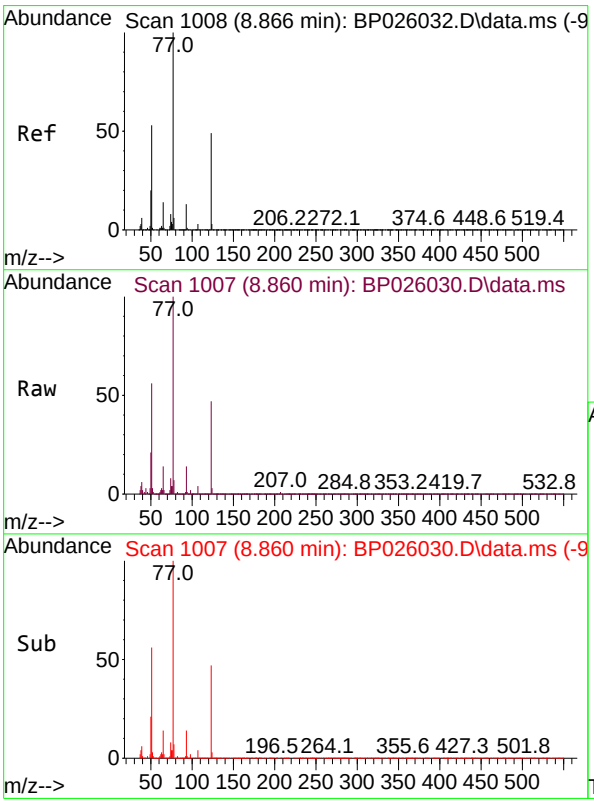
Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.4	56.0
54	53.9	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

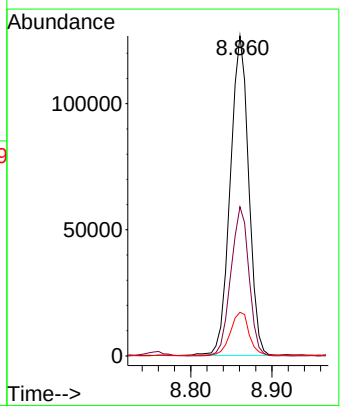
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

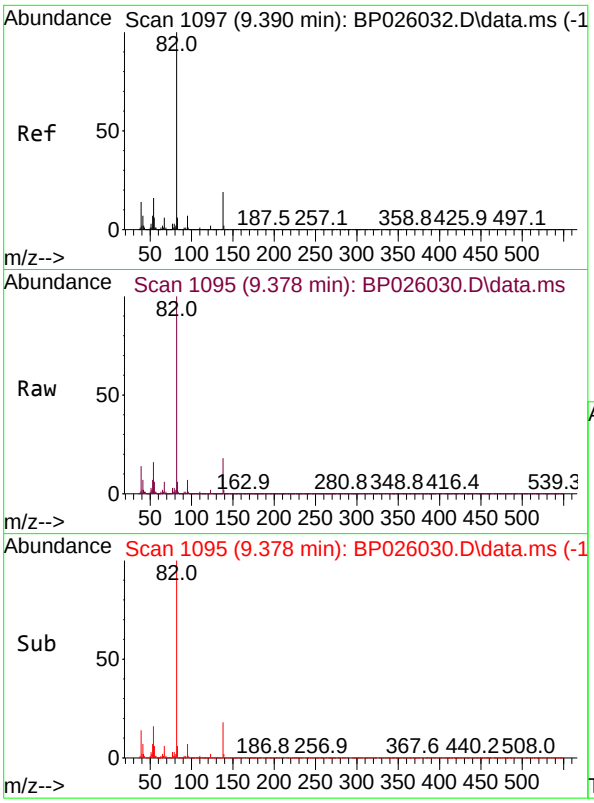


#24
Nitrobenzene
Concen: 10.199 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 200078

Ion	Ratio	Lower	Upper
77	100		
123	46.6	39.0	58.4
65	13.6	10.9	16.3

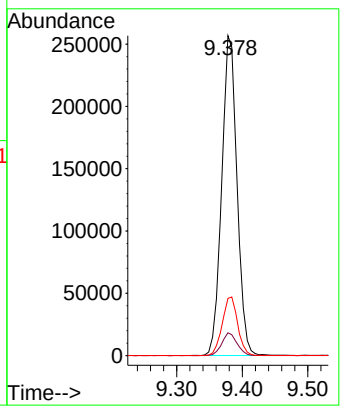




#25
Isophorone
Concen: 10.506 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 82 Resp: 41783

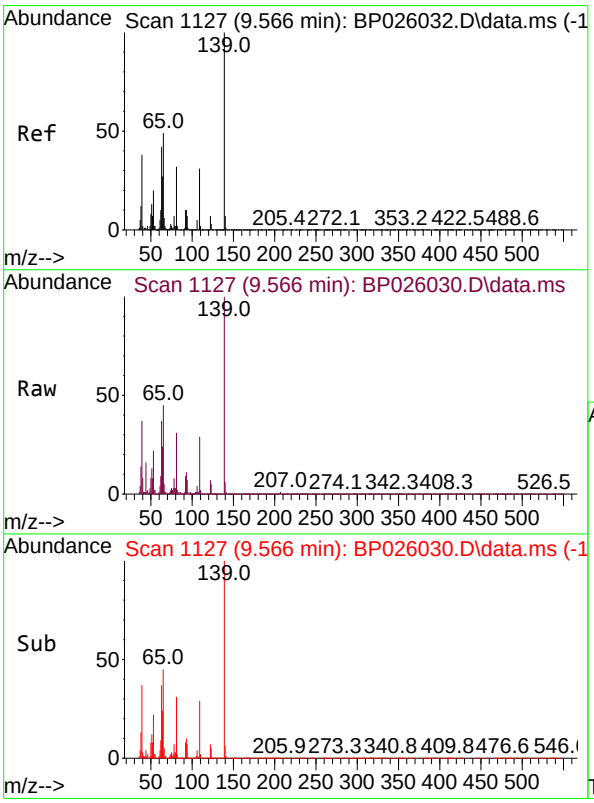
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	17.9	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

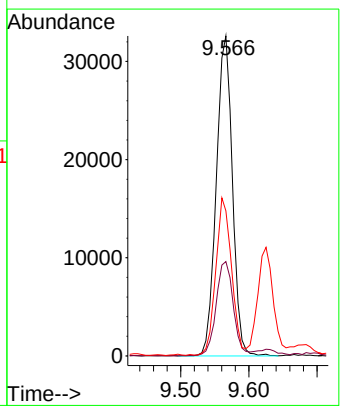
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

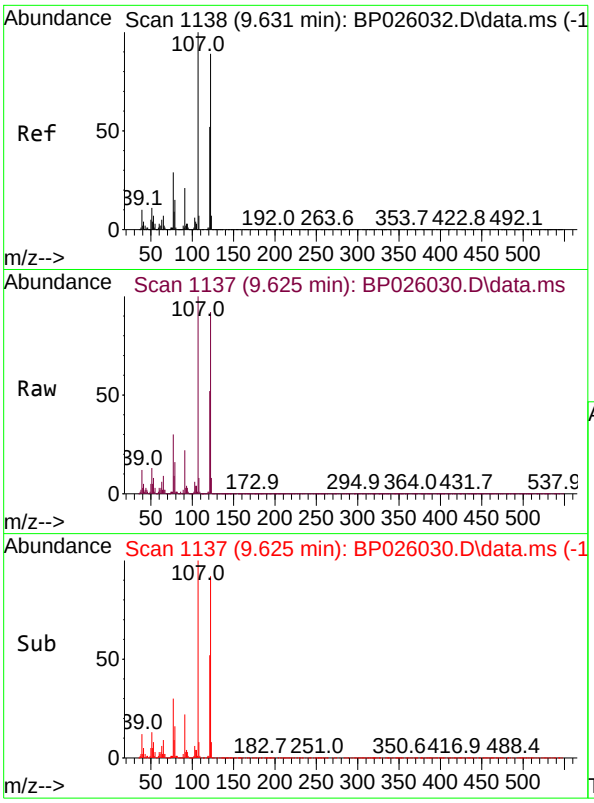


#26
2-Nitrophenol
Concen: 9.634 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:139 Resp: 53200

Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.8	37.2
65	45.3	39.0	58.4

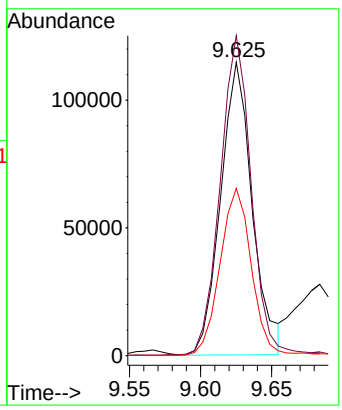




#27
2,4-Dimethylphenol
Concen: 10.585 ng
RT: 9.625 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:122 Resp: 17702

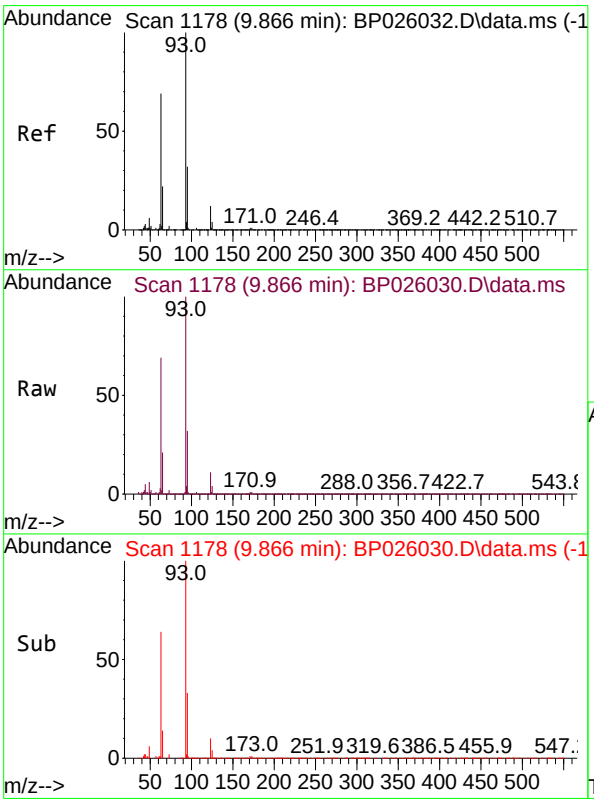
Ion	Ratio	Lower	Upper
122	100		
107	109.1	89.2	133.8
121	57.0	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

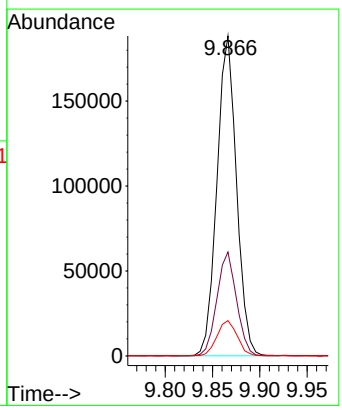
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

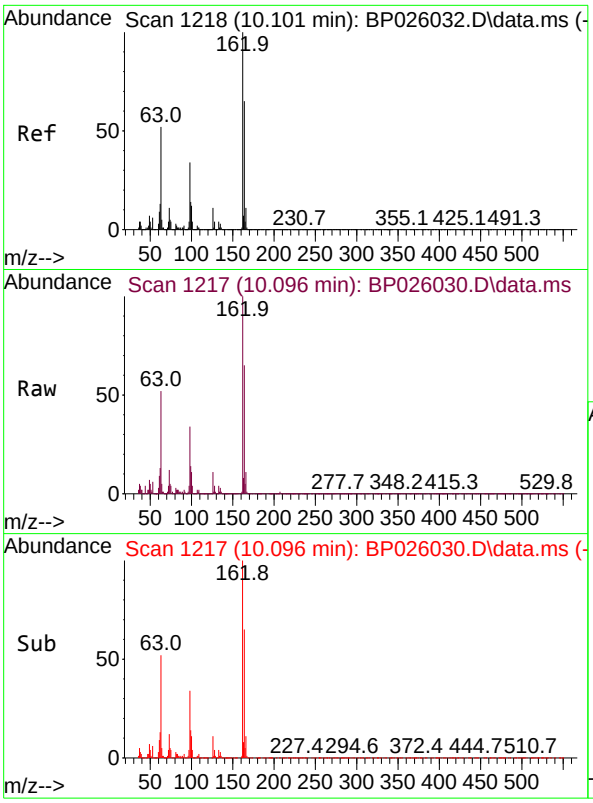


#28
bis(2-Chloroethoxy)methane
Concen: 10.772 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 93 Resp: 269975

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.6
123	11.0	9.3	13.9

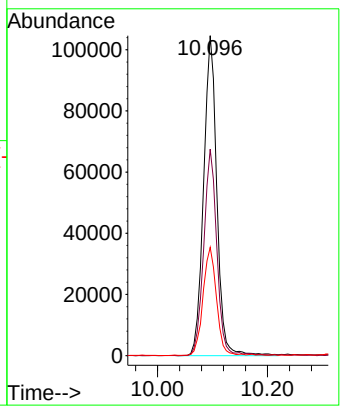




#29
2,4-Dichlorophenol
Concen: 9.911 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:162 Resp: 17501

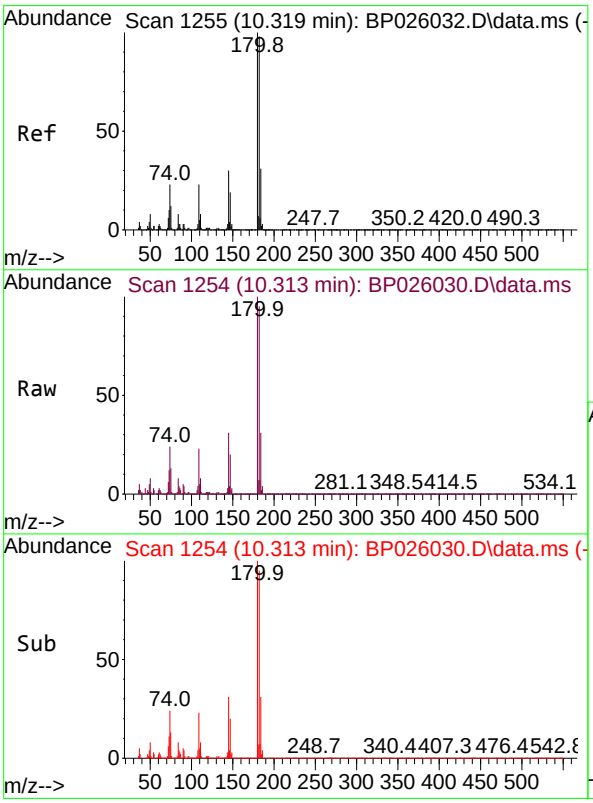
Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	33.8	14.0	54.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

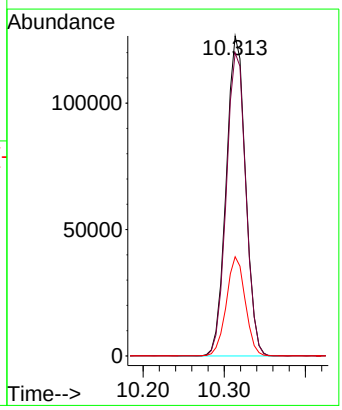
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

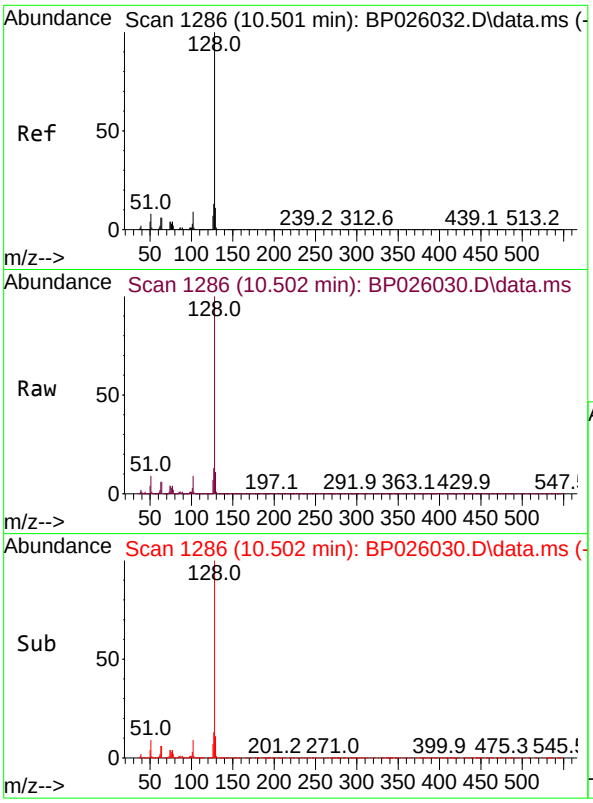


#30
1,2,4-Trichlorobenzene
Concen: 10.893 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:180 Resp: 209064

Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.6	117.8
145	31.0	24.2	36.4

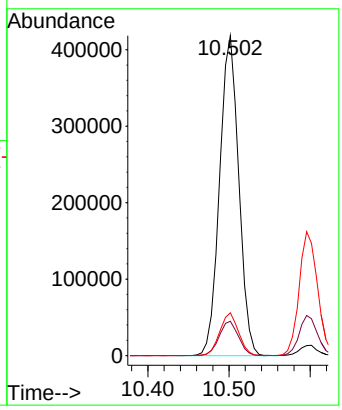




#31
Naphthalene
Concen: 10.833 ng
RT: 10.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:128 Resp: 68422

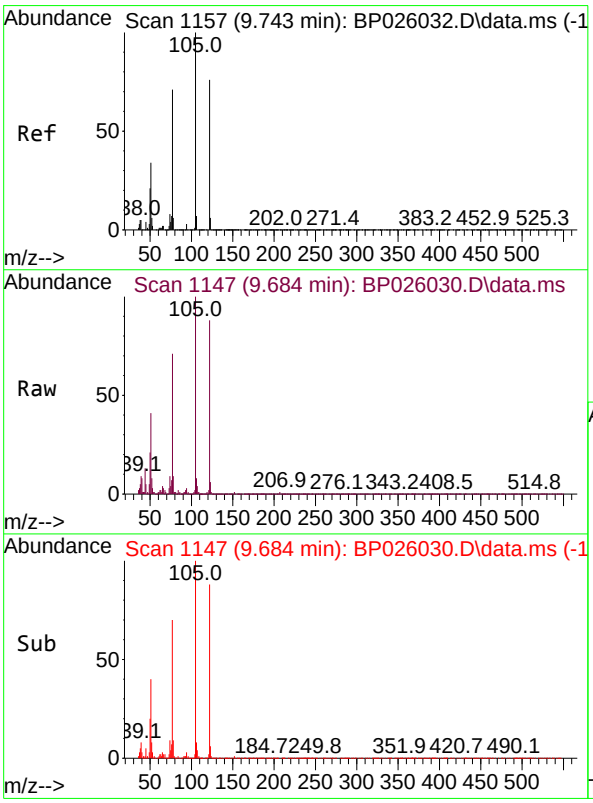
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.4	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

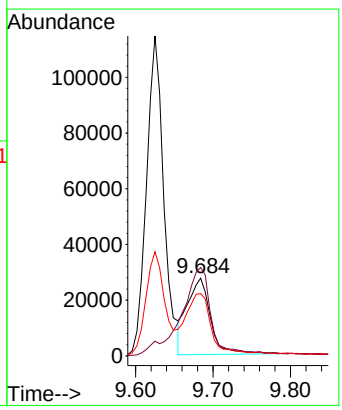
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

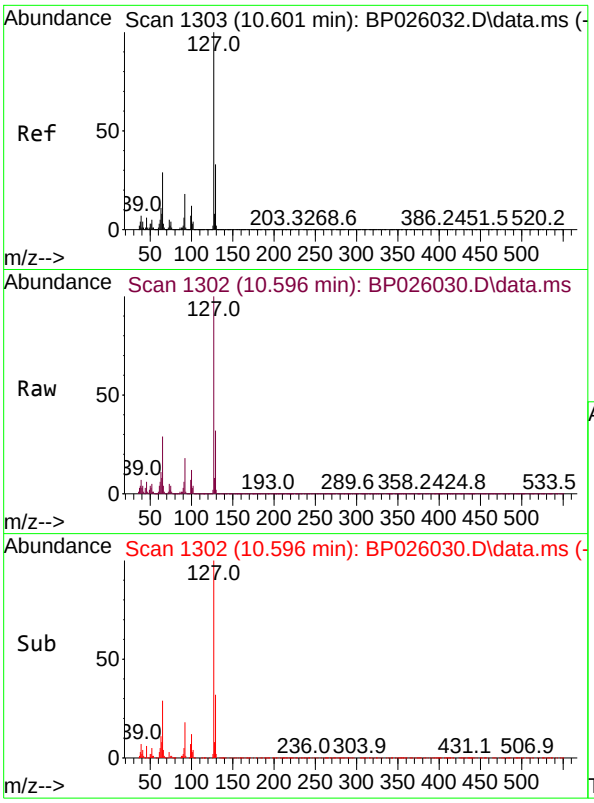


#32
Benzoic acid
Concen: 10.150 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.094 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:122 Resp: 58000

Ion	Ratio	Lower	Upper
122	100		
105	113.7	104.8	144.8
77	80.2	70.9	110.9

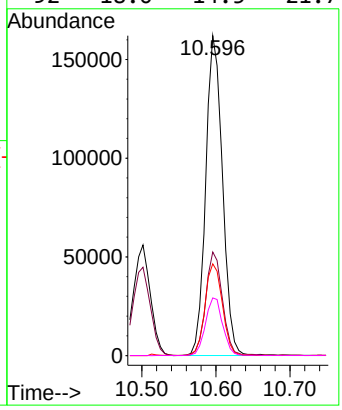




#33
4-Chloroaniline
Concen: 10.507 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:127 Resp: 25502

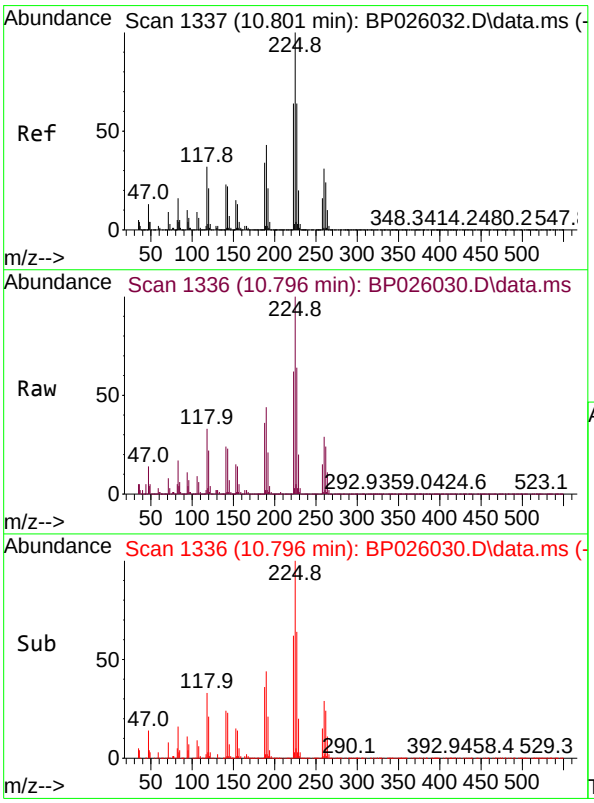
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	28.7	23.2	34.8
92	18.0	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

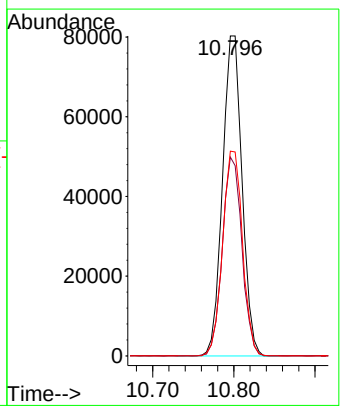
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

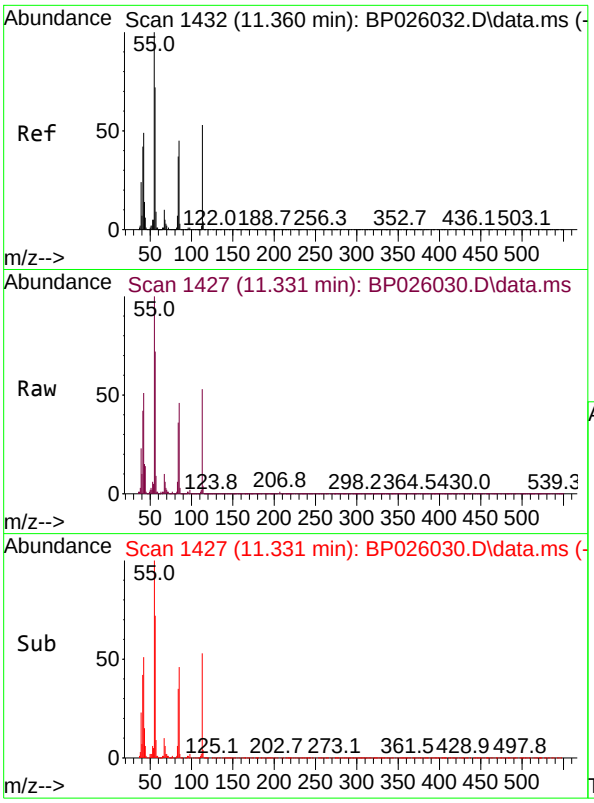


#34
Hexachlorobutadiene
Concen: 10.977 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:225 Resp: 133883

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.9	76.3
227	64.0	51.0	76.4

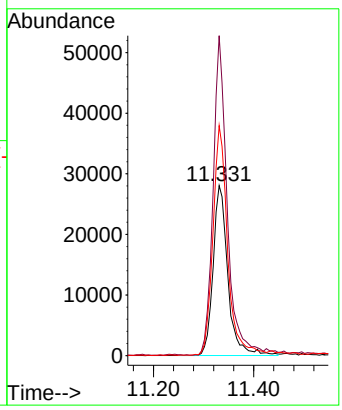




#35
Caprolactam
Concen: 9.290 ng
RT: 11.331 min Scan# 14
Delta R.T. -0.053 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:113 Resp: 5760

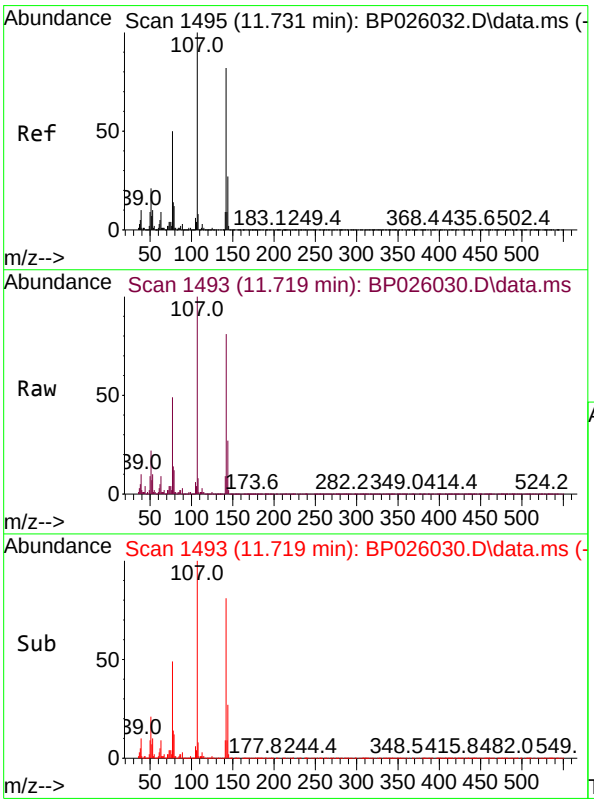
Ion	Ratio	Lower	Upper
113	100		
55	188.3	169.9	209.9
56	135.3	116.7	156.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

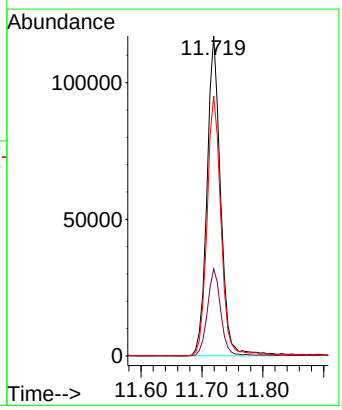
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

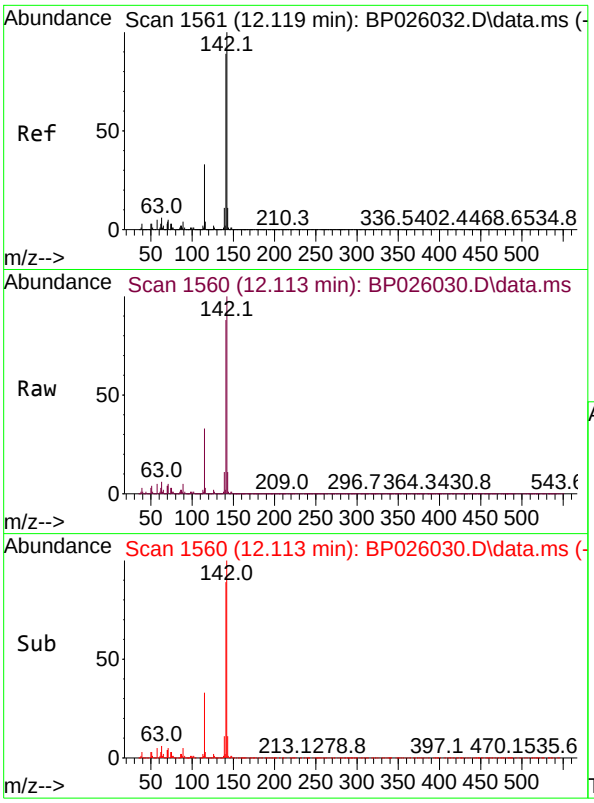


#36
4-Chloro-3-methylphenol
Concen: 9.808 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:107 Resp: 181561

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.3	31.9
142	81.2	65.2	97.8

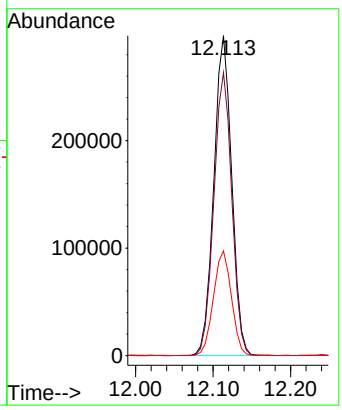




#37
2-Methylnaphthalene
Concen: 10.783 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:142 Resp: 47669

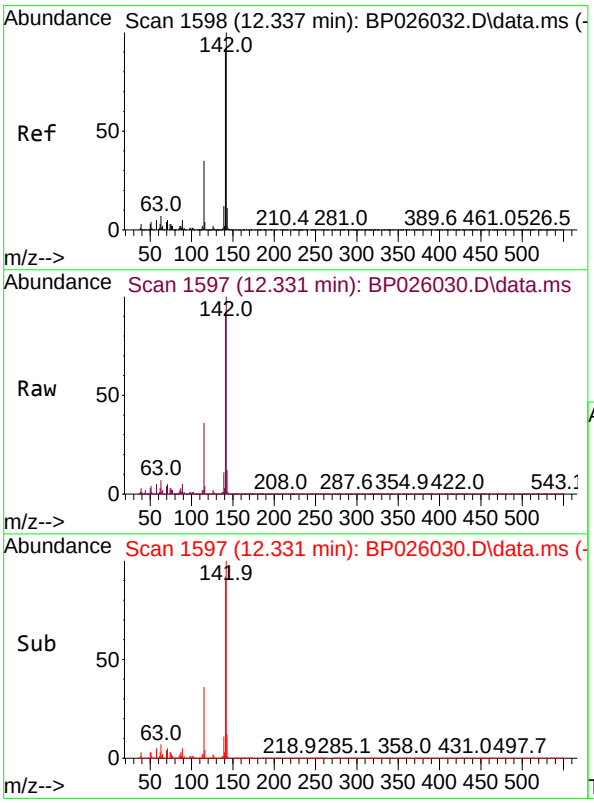
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.6	107.4
115	32.8	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

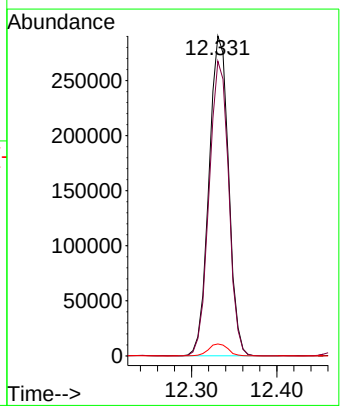
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

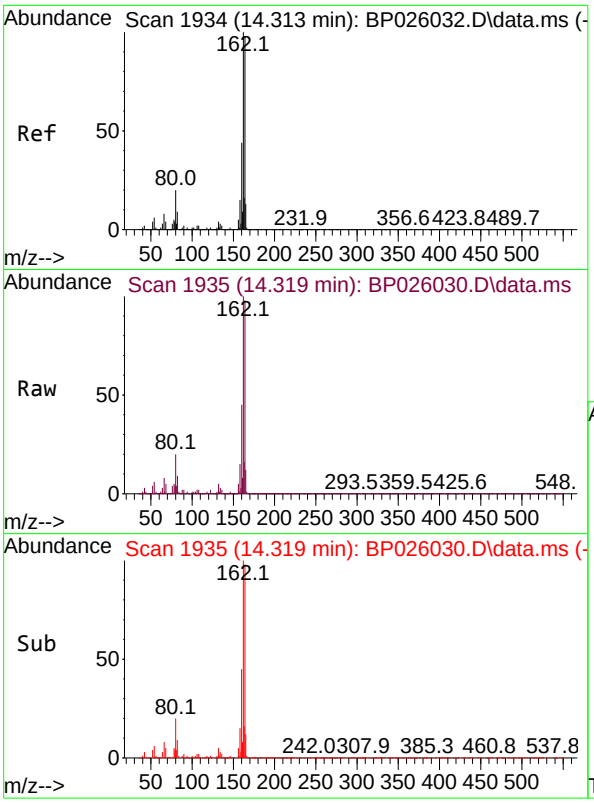


#38
1-Methylnaphthalene
Concen: 10.801 ng
RT: 12.331 min Scan# 1597
Delta R.T. -0.005 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:142 Resp: 463905

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.7	109.1
116	3.7	2.9	4.3

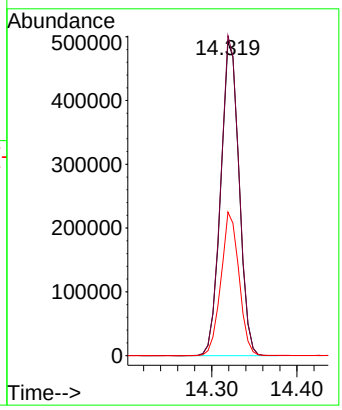




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:164 Resp: 73456

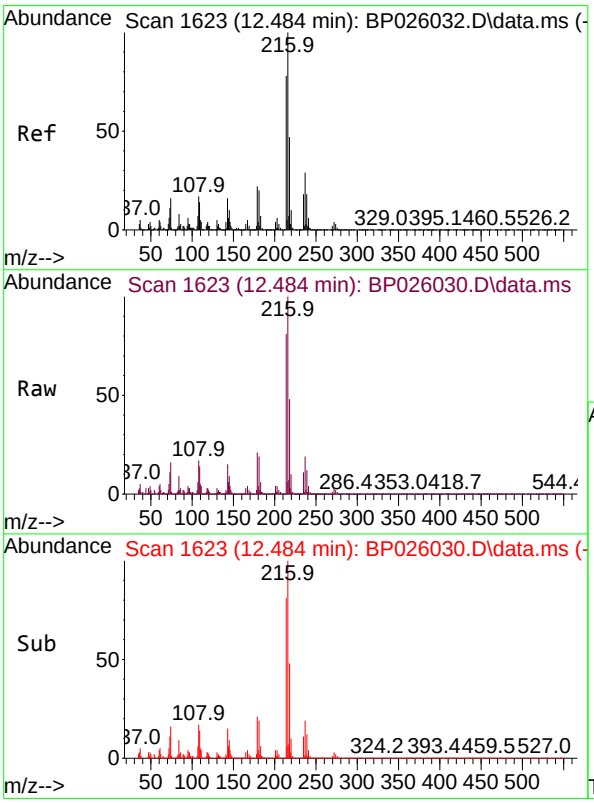
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	45.7	36.2	54.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

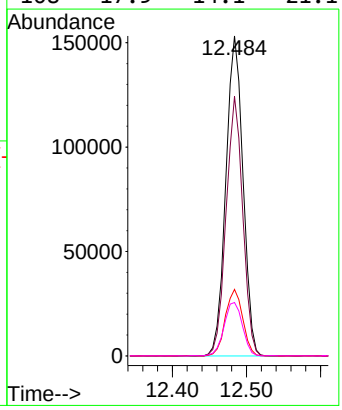
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

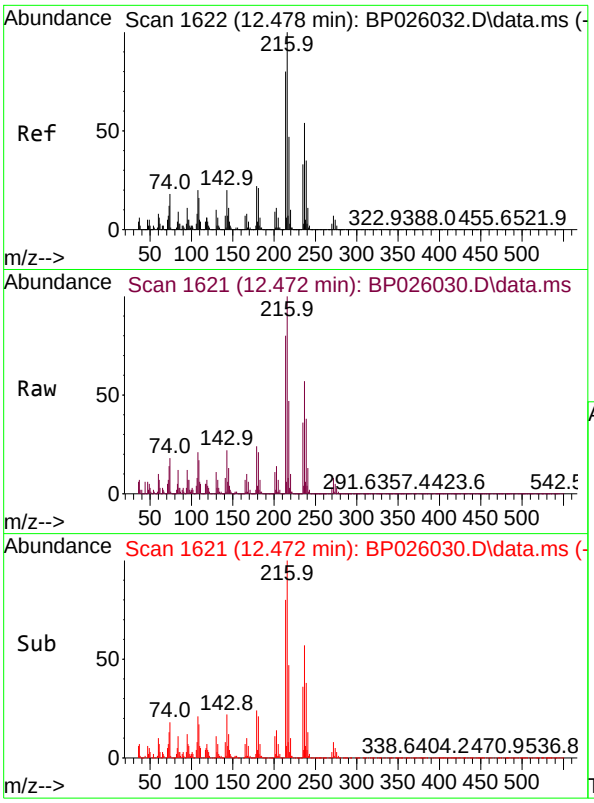


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.776 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:216 Resp: 245958

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	17.9	14.1	21.1

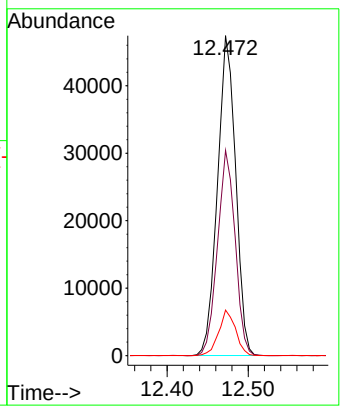




#41
Hexachlorocyclopentadiene
Concen: 8.806 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:237 Resp: 7353

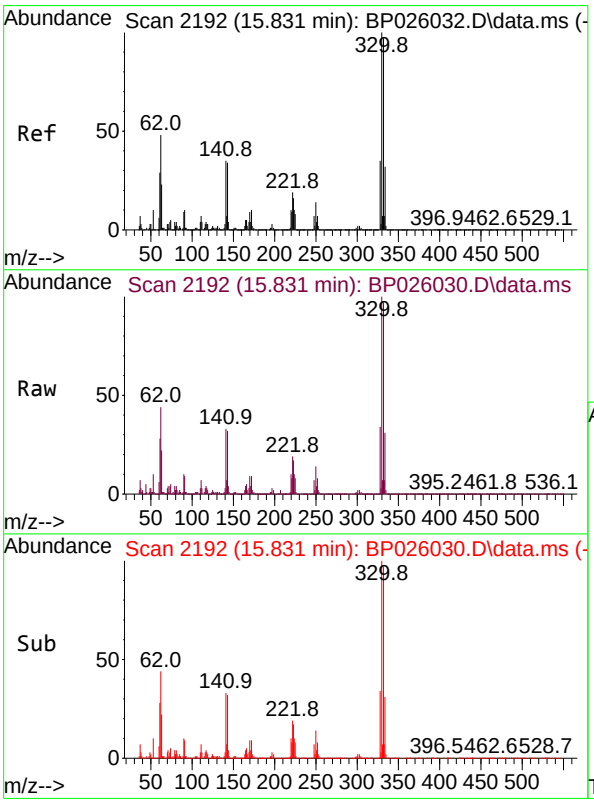
Ion	Ratio	Lower	Upper
237	100		
235	64.1	40.4	80.4
272	14.2	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

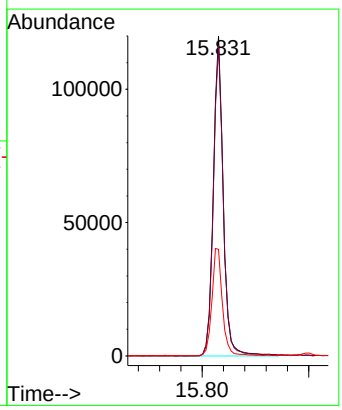
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

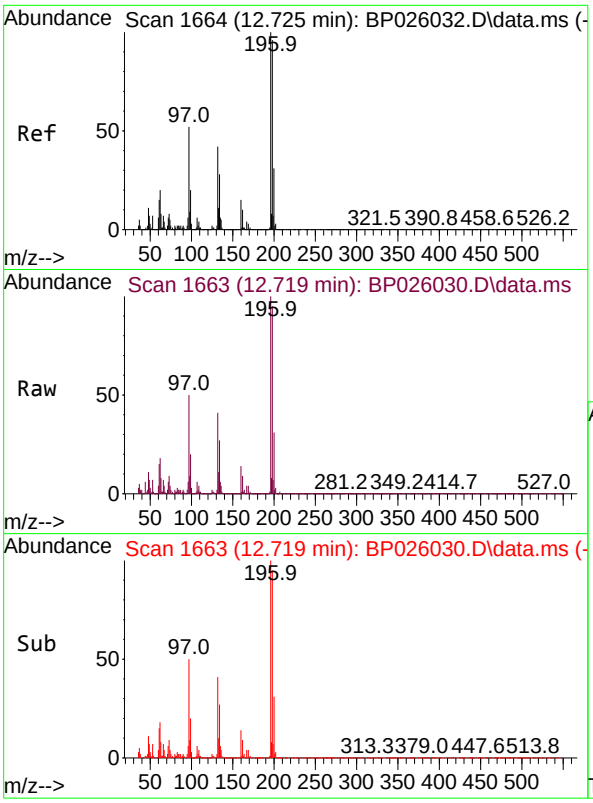


#42
2,4,6-Tribromophenol
Concen: 19.502 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:330 Resp: 154869

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	35.8	28.6	42.8





#43
2,4,6-Trichlorophenol
Concen: 9.317 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

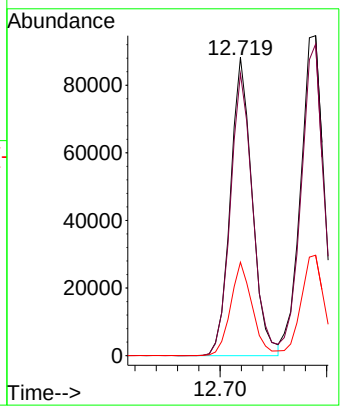
Tgt Ion:196 Resp: 12569

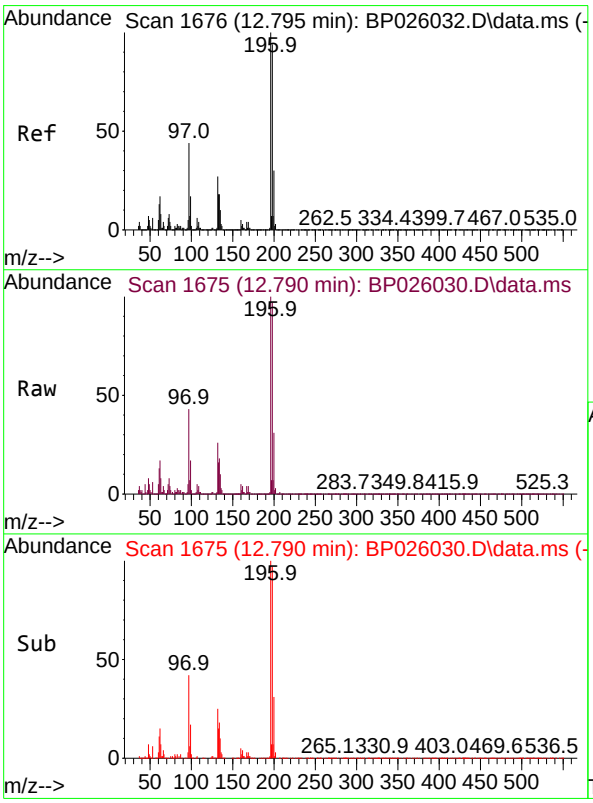
Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.5	114.7
200	31.3	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

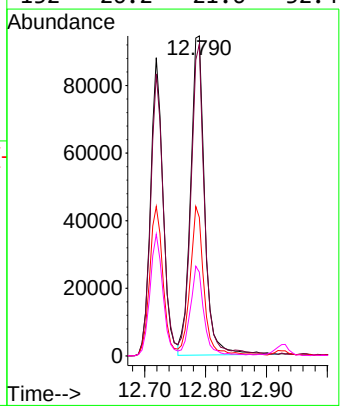


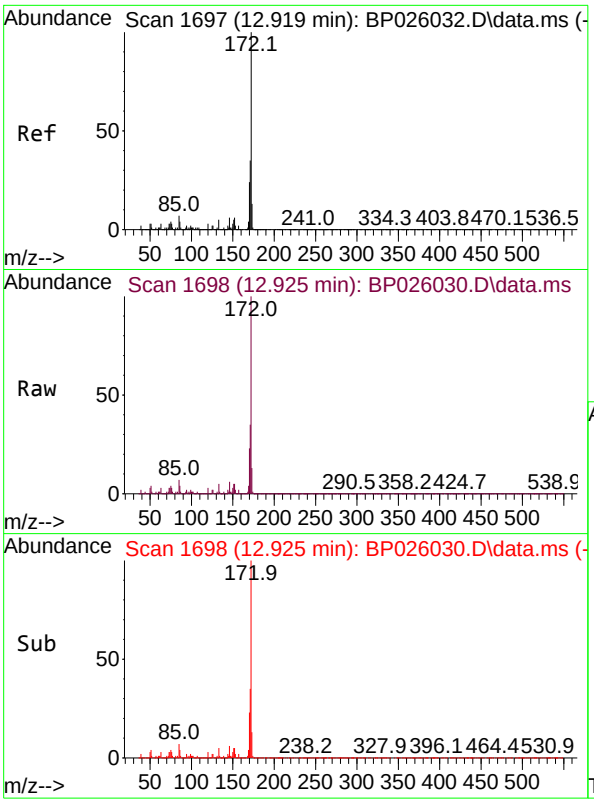


#44
2,4,5-Trichlorophenol
Concen: 9.868 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:196 Resp: 151902

Ion	Ratio	Lower	Upper
196	100		
198	97.4	75.1	112.7
97	43.3	35.5	53.3
132	26.2	21.6	32.4

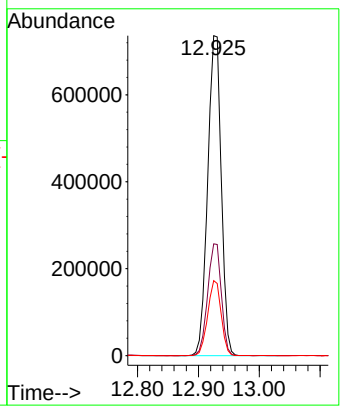




#45
2-Fluorobiphenyl
Concen: 22.262 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:172 Resp: 113807

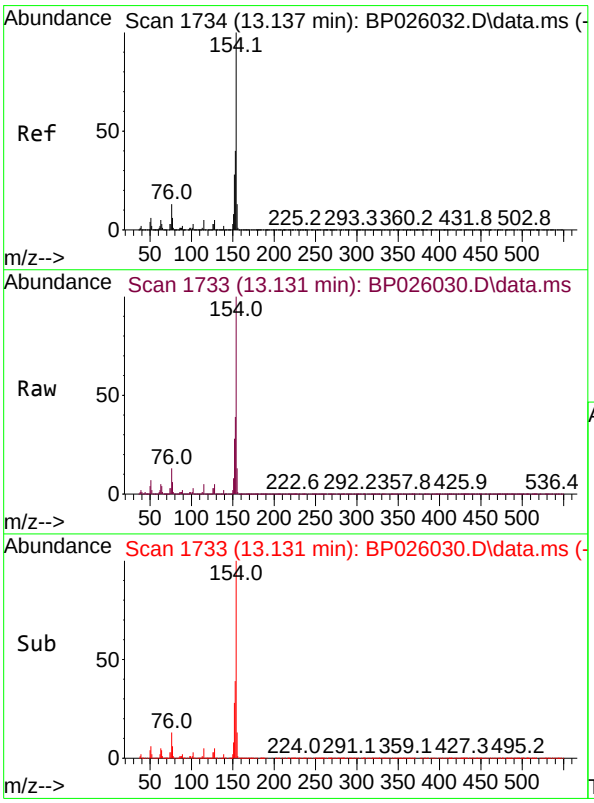
Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.4	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

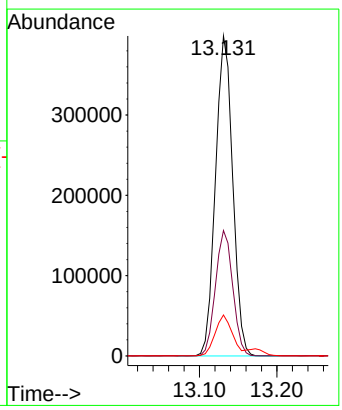
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

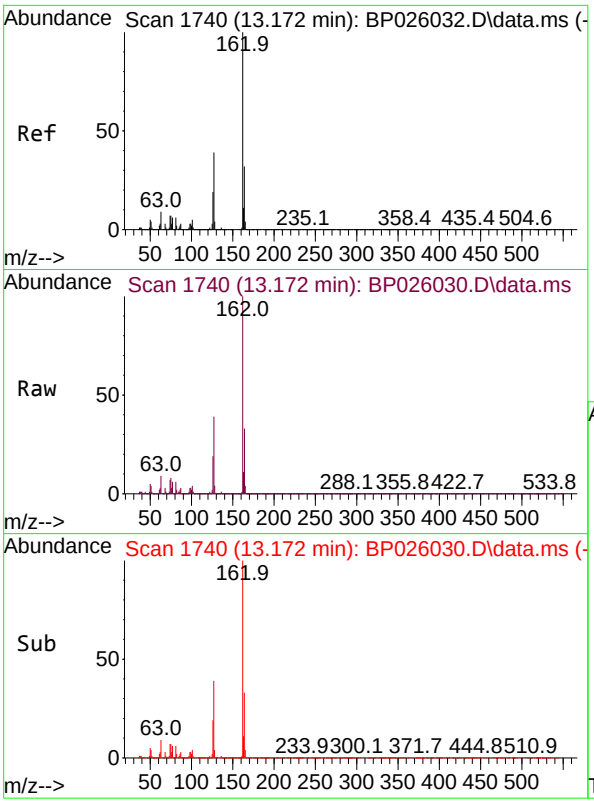


#46
1,1'-Biphenyl
Concen: 10.924 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:154 Resp: 614441

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.2	60.2
76	12.8	0.0	32.8

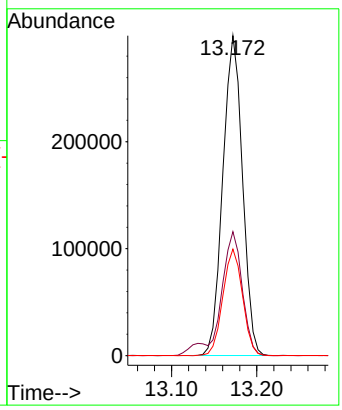




#47
2-Chloronaphthalene
Concen: 10.824 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:162 Resp: 47902

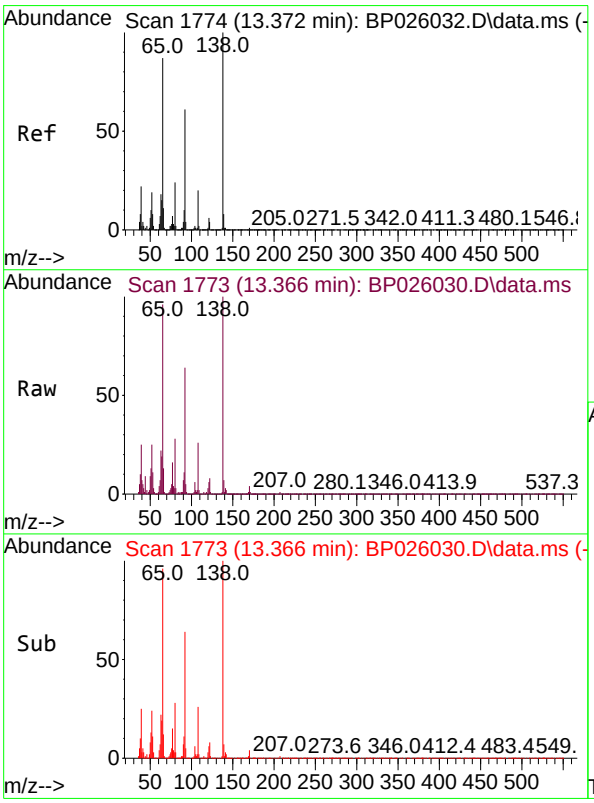
Ion	Ratio	Lower	Upper
162	100		
127	38.7	31.4	47.2
164	33.3	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

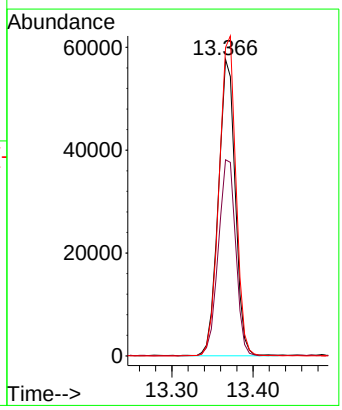
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

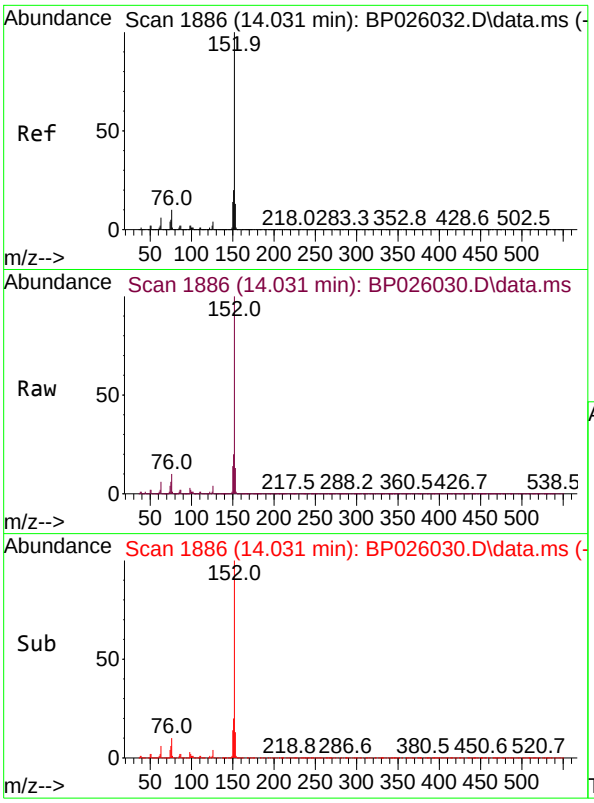


#48
2-Nitroaniline
Concen: 9.741 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 65 Resp: 83149

Ion	Ratio	Lower	Upper
65	100		
92	66.2	55.5	83.3
138	104.1	91.7	137.5

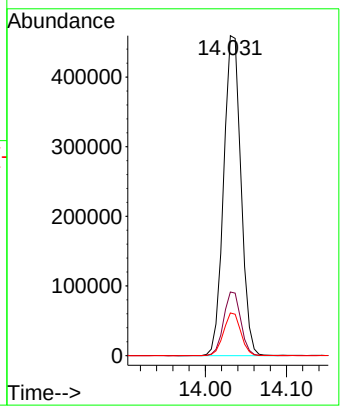




#49
Acenaphthylene
Concen: 10.506 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:152 Resp: 67762

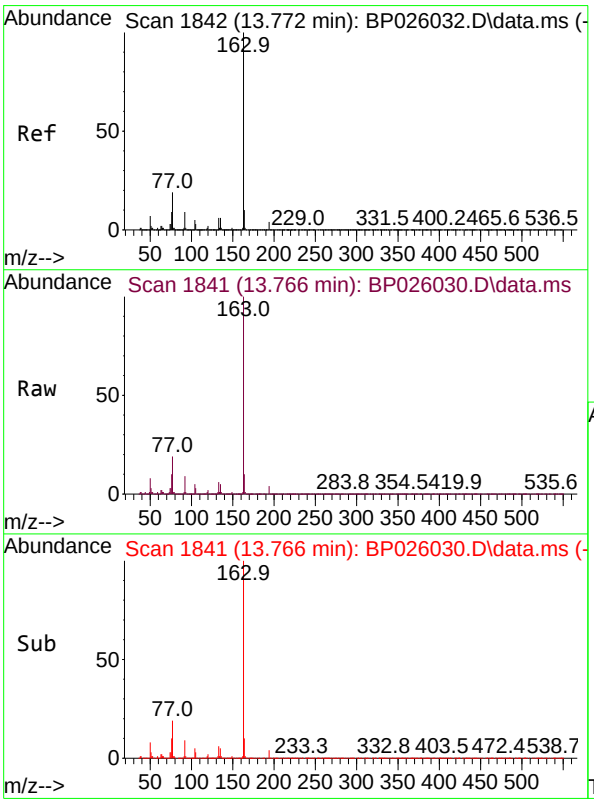
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

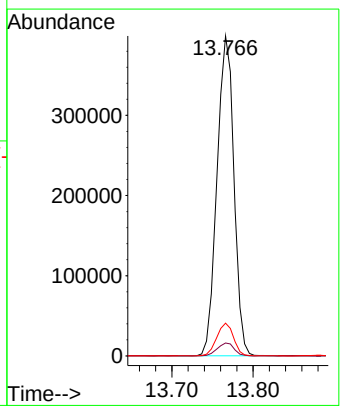
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

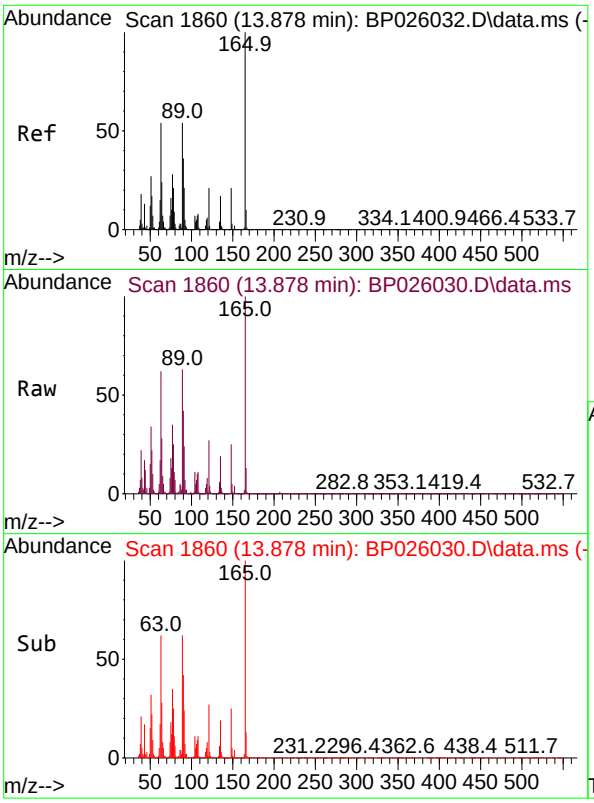


#50
Dimethylphthalate
Concen: 10.820 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:163 Resp: 578145

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2

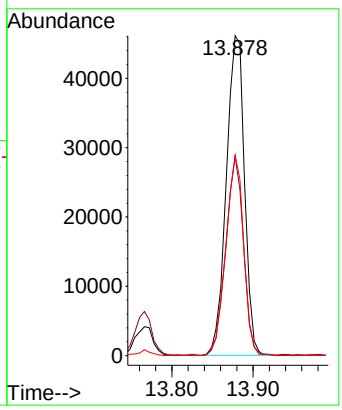




#51
2,6-Dinitrotoluene
Concen: 9.731 ng
RT: 13.878 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:165 Resp: 7194

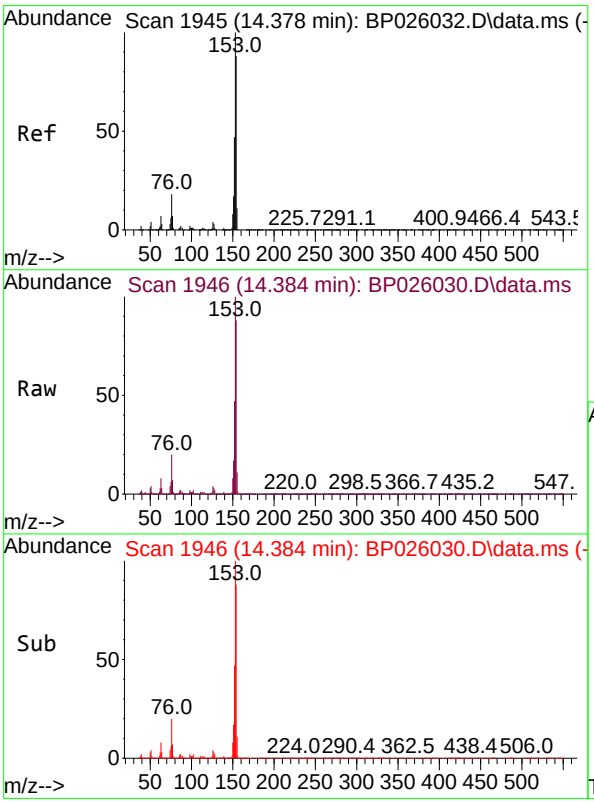
Ion	Ratio	Lower	Upper
165	100		
63	62.2	43.0	64.4
89	62.6	43.0	64.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

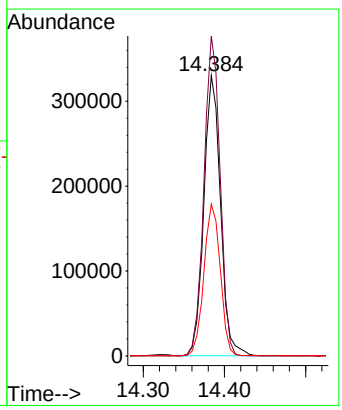
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

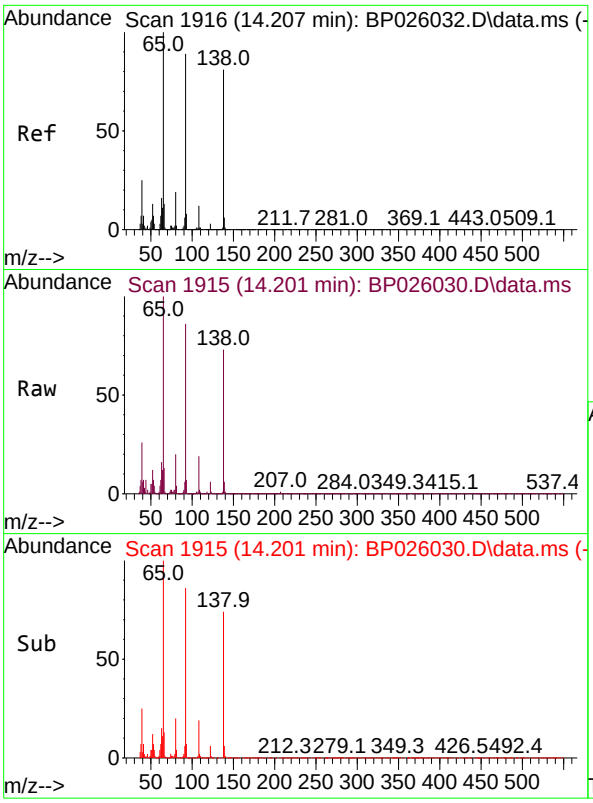


#52
Acenaphthene
Concen: 10.658 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:154 Resp: 471935

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.0	136.4
152	54.1	42.7	64.1





#53
3-Nitroaniline
Concen: 9.962 ng
RT: 14.201 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

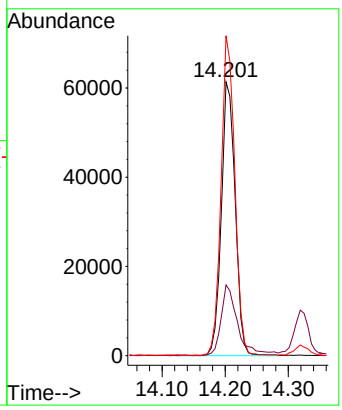
Tgt Ion:138 Resp: 9329

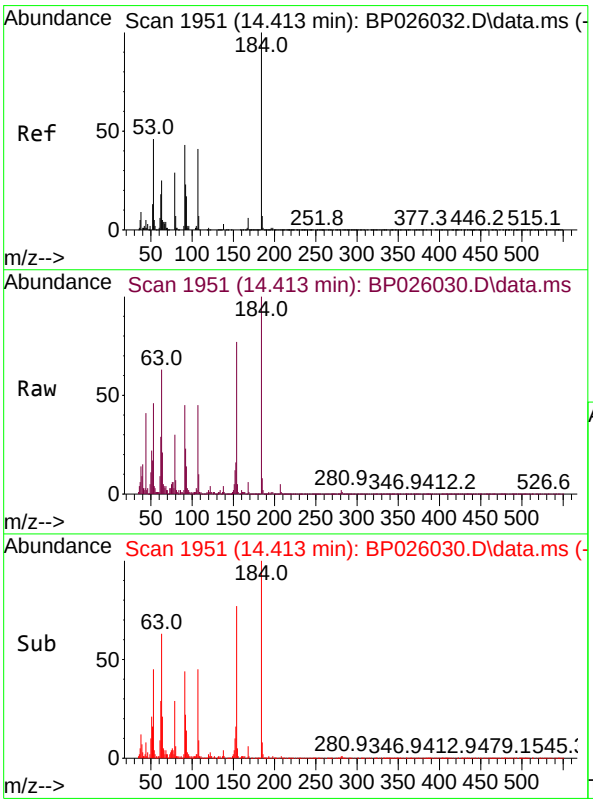
Ion	Ratio	Lower	Upper
138	100		
108	25.8	11.4	17.0#
92	116.9	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

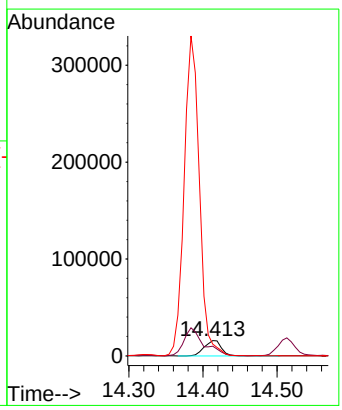


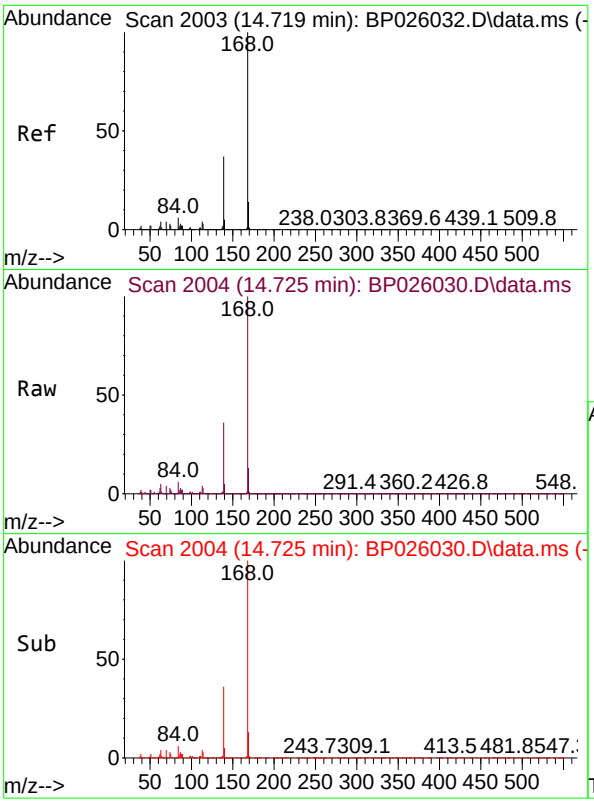


#54
2,4-Dinitrophenol
Concen: 10.017 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:184 Resp: 25388

Ion	Ratio	Lower	Upper
184	100		
63	63.5	49.0	73.4
154	77.0	51.0	76.6#

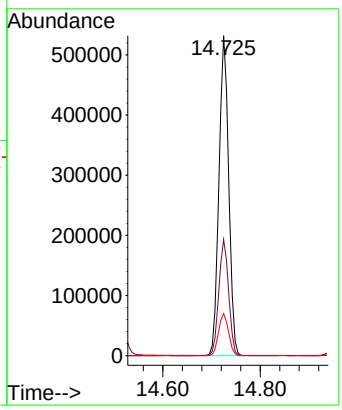




#55
Dibenzofuran
Concen: 10.966 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:168 Resp: 73364

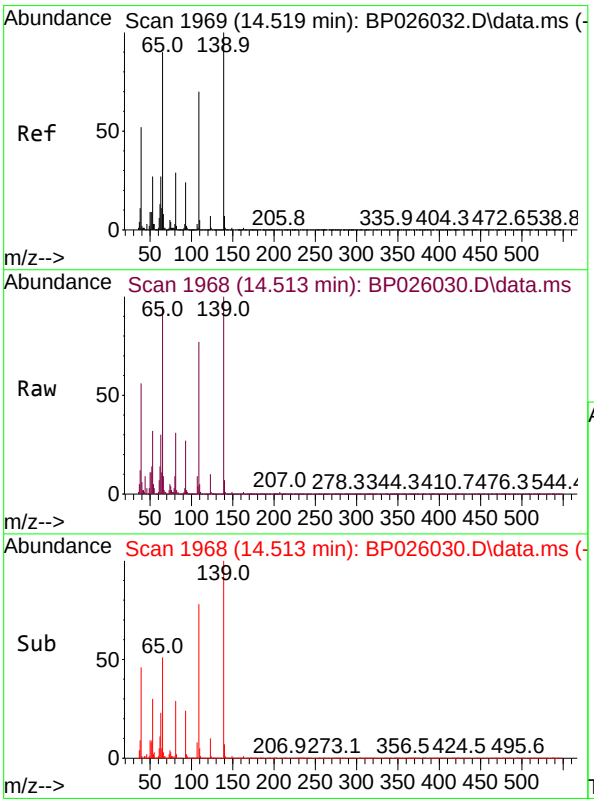
Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.7	44.5
169	13.1	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

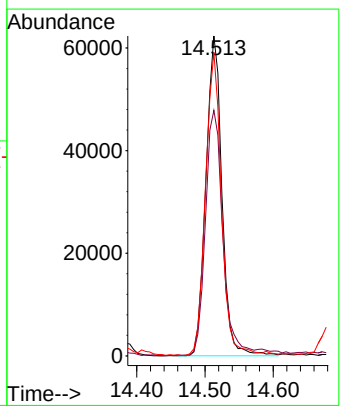
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

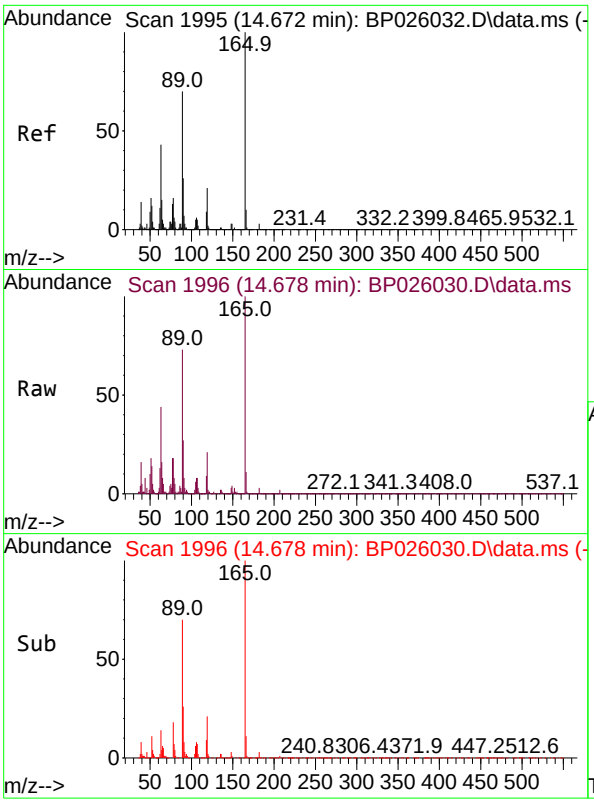


#56
4-Nitrophenol
Concen: 9.565 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:139 Resp: 101905

Ion	Ratio	Lower	Upper
139	100		
109	76.7	50.0	90.0
65	94.9	69.6	109.6

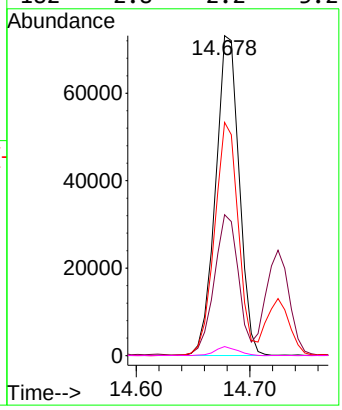




#57
2,4-Dinitrotoluene
Concen: 9.727 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:165 Resp: 10582

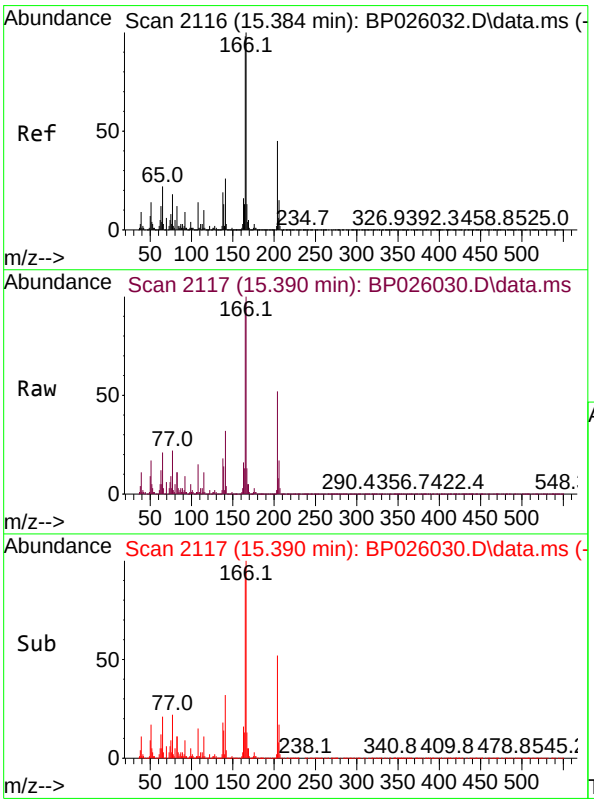
Ion	Ratio	Lower	Upper
165	100		
63	44.0	34.2	51.2
89	72.9	56.0	84.0
182	2.8	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

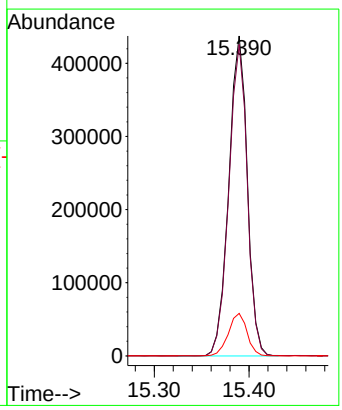
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

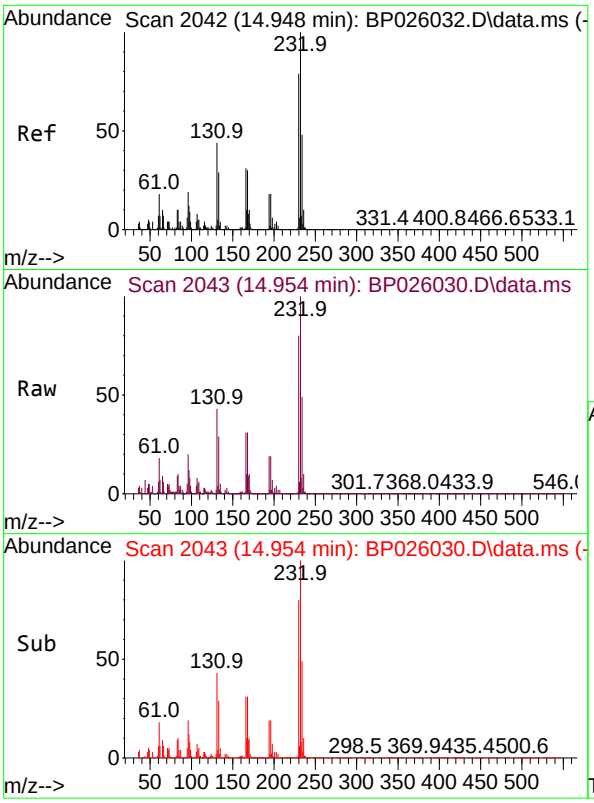


#58
Fluorene
Concen: 11.361 ng
RT: 15.390 min Scan# 2117
Delta R.T. 0.007 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:166 Resp: 595481

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	10.6	16.0

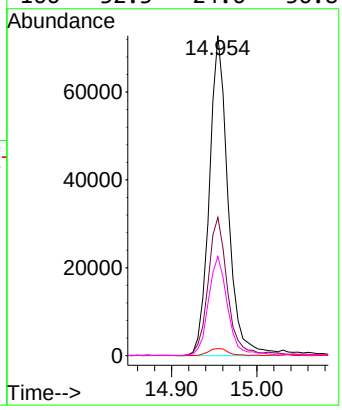




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.194 ng
RT: 14.954 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:232 Resp: 11127

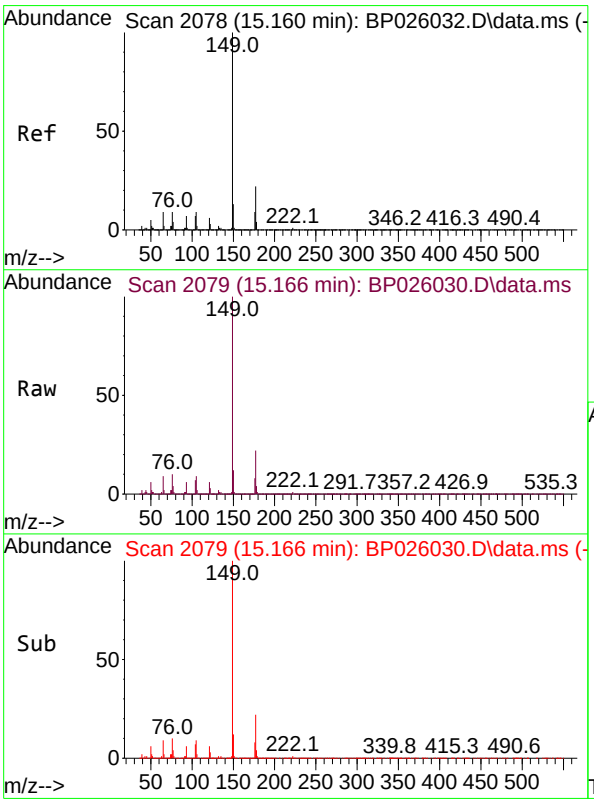
Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.2	52.8
130	2.4	1.7	2.5
166	32.3	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

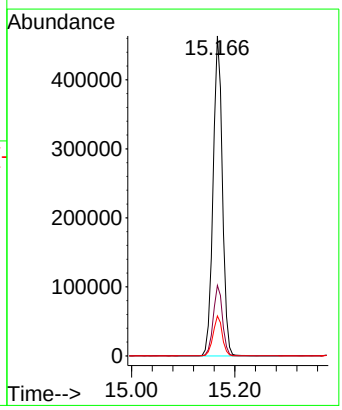
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

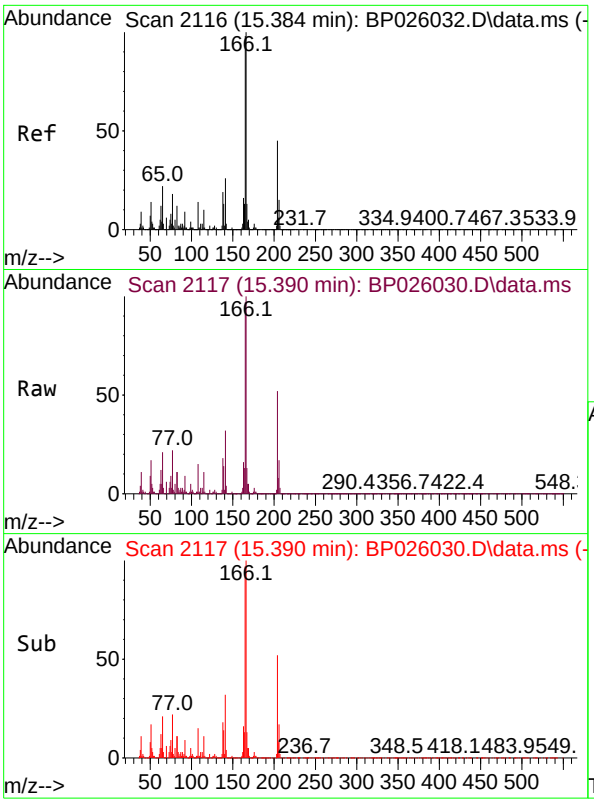


#60
Diethylphthalate
Concen: 10.734 ng
RT: 15.166 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 576582

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.5	10.1	15.1

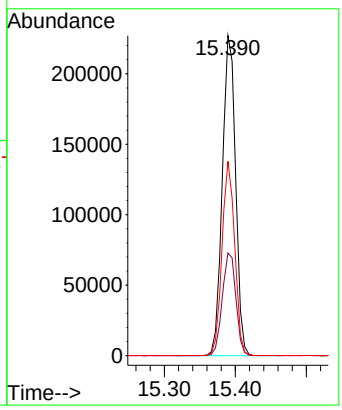




#61
4-Chlorophenyl-phenylether
Concen: 11.267 ng
RT: 15.390 min Scan# 21
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:204 Resp: 29491

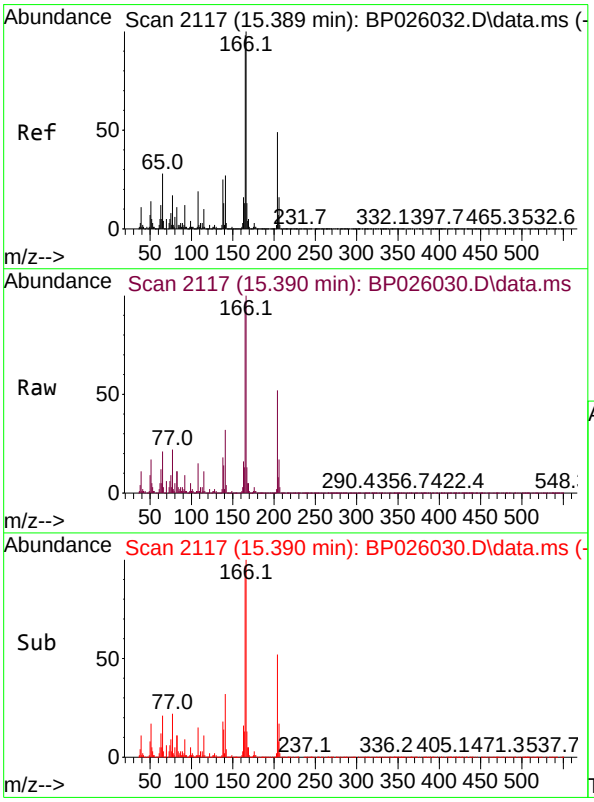
Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.2	39.2
141	60.7	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

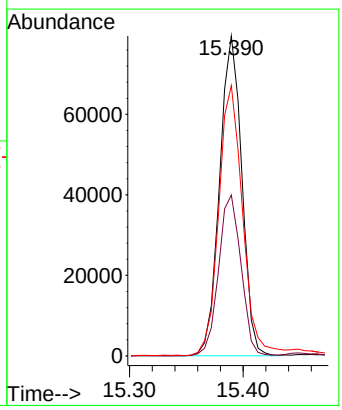
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

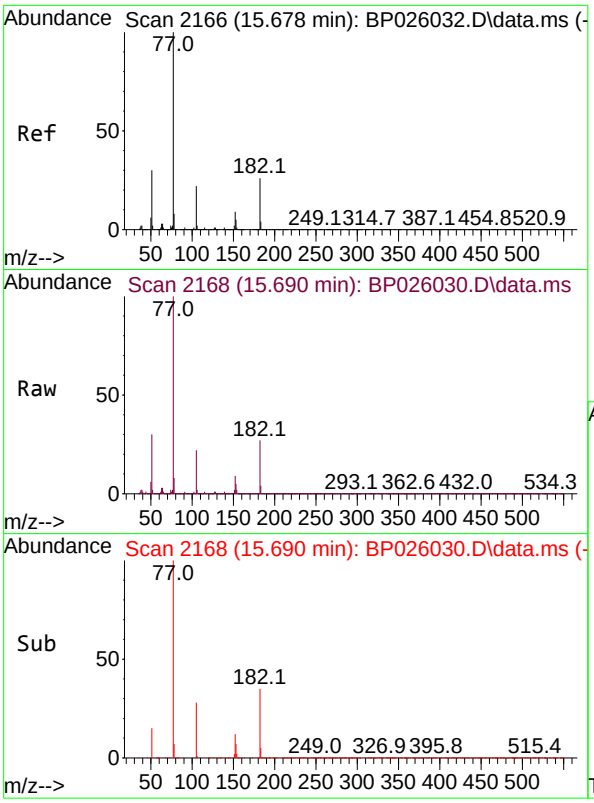


#62
4-Nitroaniline
Concen: 9.461 ng
RT: 15.390 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:138 Resp: 108022

Ion	Ratio	Lower	Upper
138	100		
92	50.3	28.2	68.2
108	84.5	56.0	96.0

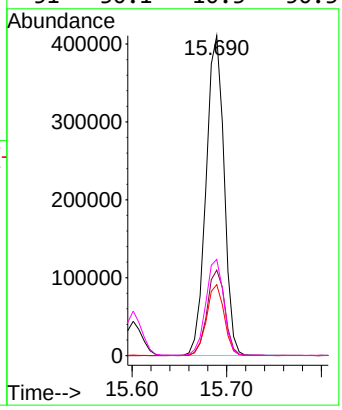




#63
Azobenzene
Concen: 11.130 ng
RT: 15.690 min Scan# 21
Delta R.T. 0.001 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion: 77 Resp: 54181

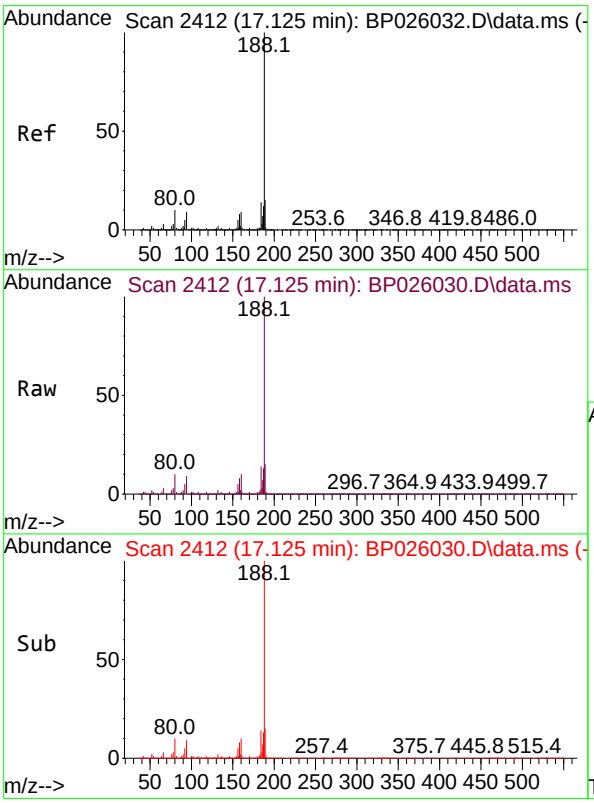
Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.4	46.4
105	22.2	2.2	42.2
51	30.1	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

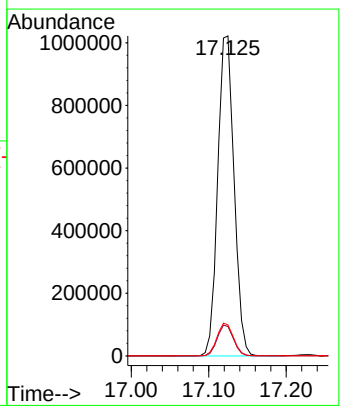
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

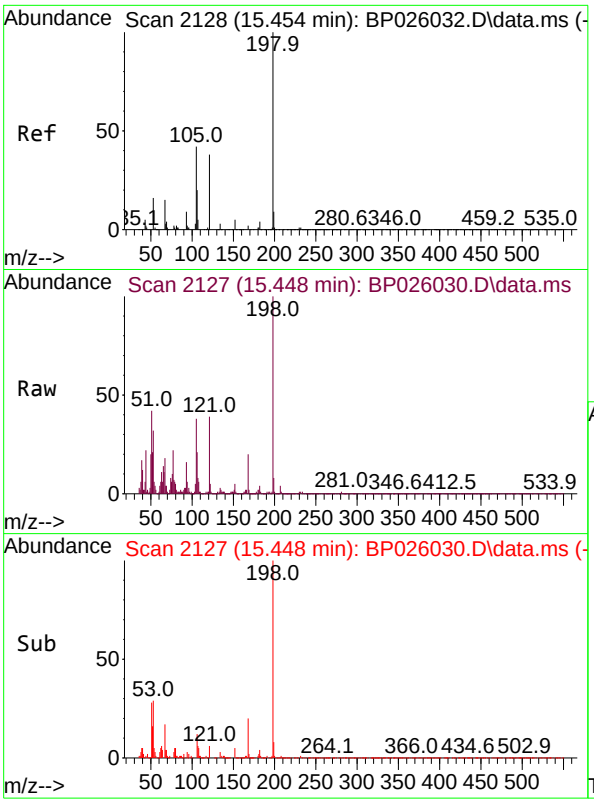


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:188 Resp: 1497196

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.1	10.7
80	9.7	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 15.448 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

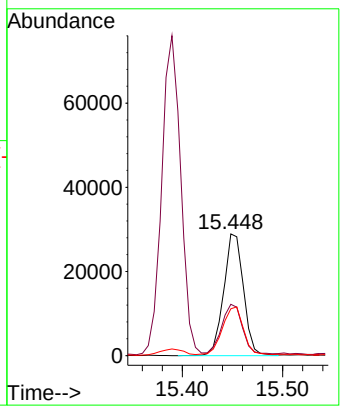
Tgt Ion:198 Resp: 3964

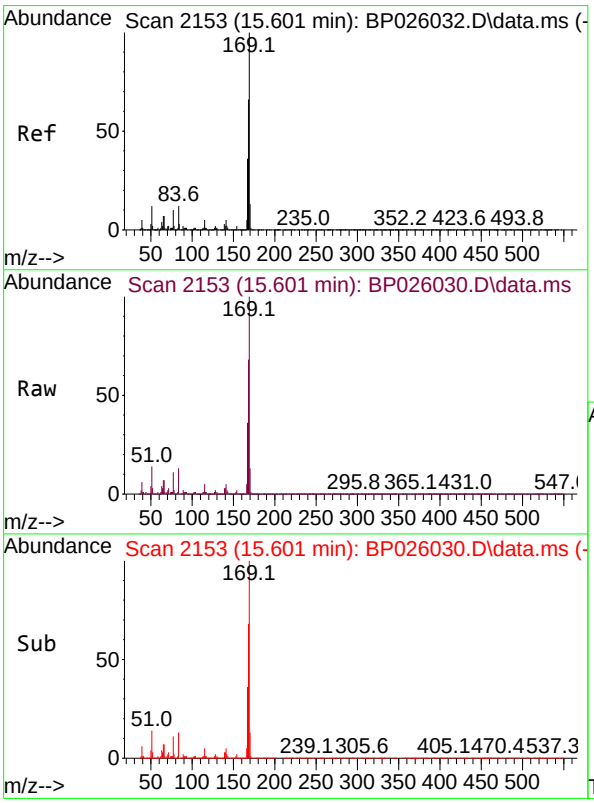
Ion	Ratio	Lower	Upper
198	100		
51	42.2	25.2	65.2
105	38.4	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

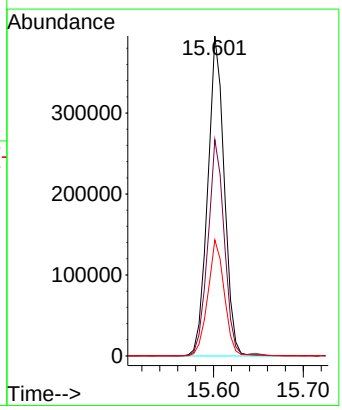


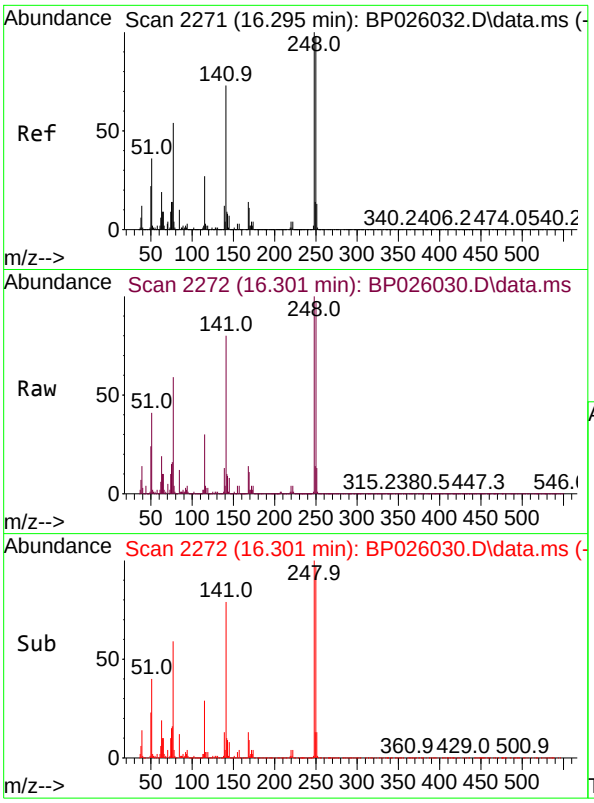


#66
n-Nitrosodiphenylamine
Concen: 10.850 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:169 Resp: 507903

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.9	79.3
167	36.3	28.9	43.3

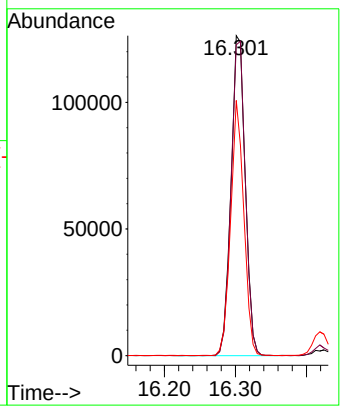




#67
4-Bromophenyl-phenylether
Concen: 10.547 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:248 Resp: 17515

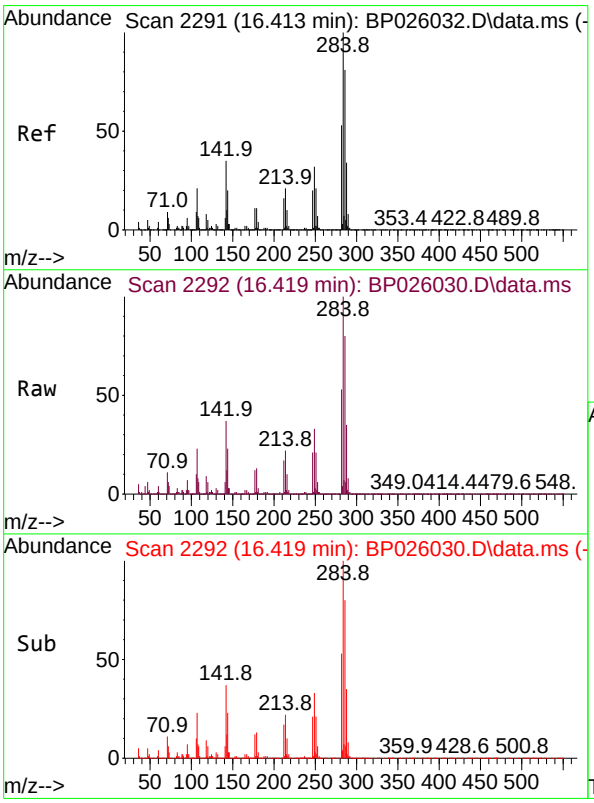
Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.4	117.6
141	79.7	58.3	87.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

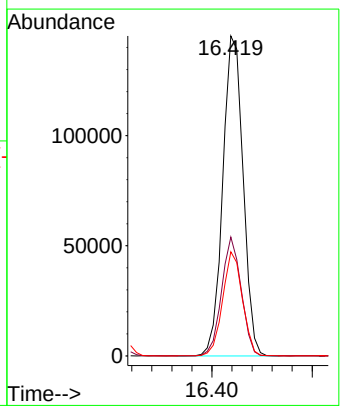
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

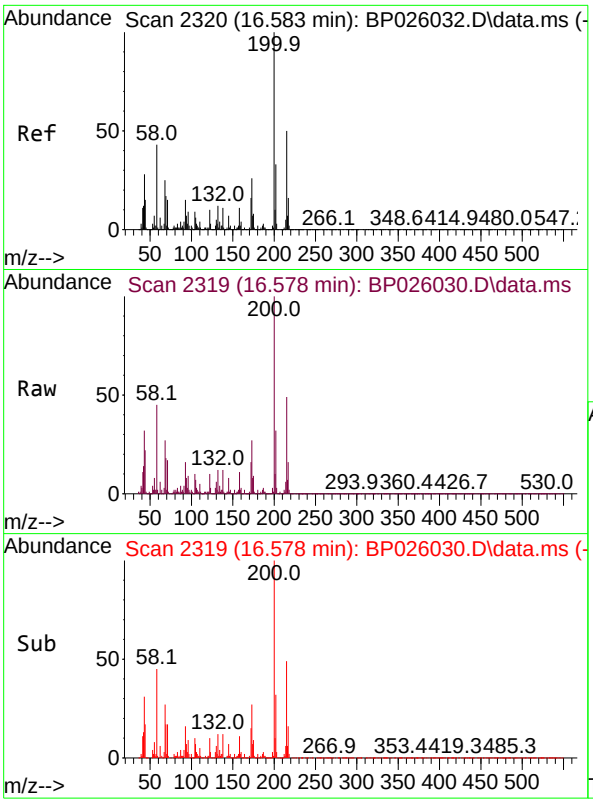


#68
Hexachlorobenzene
Concen: 10.824 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:284 Resp: 204634

Ion	Ratio	Lower	Upper
284	100		
142	37.1	27.7	41.5
249	32.5	25.5	38.3

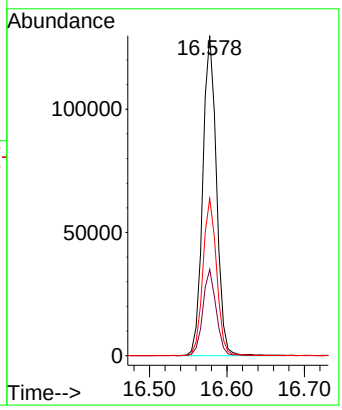




#69
Atrazine
Concen: 10.103 ng
RT: 16.578 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:200 Resp: 15953

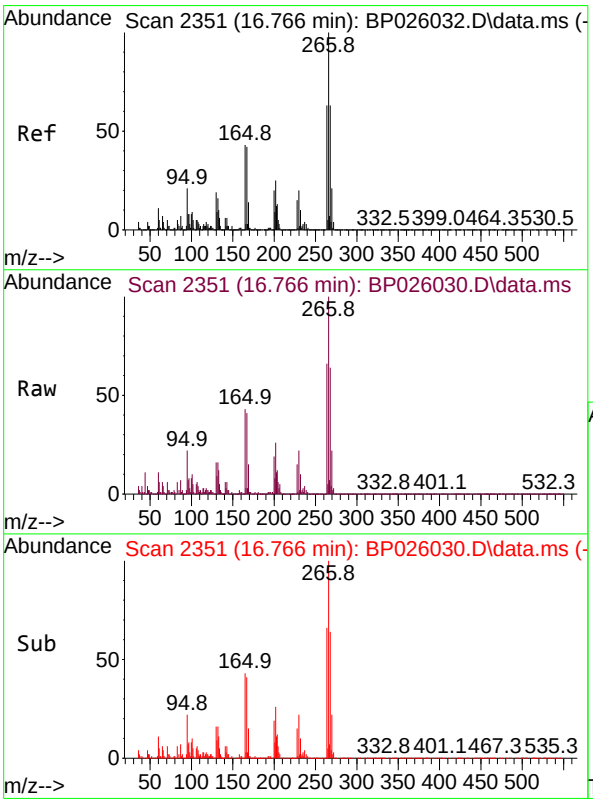
Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.2	46.2
215	49.1	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

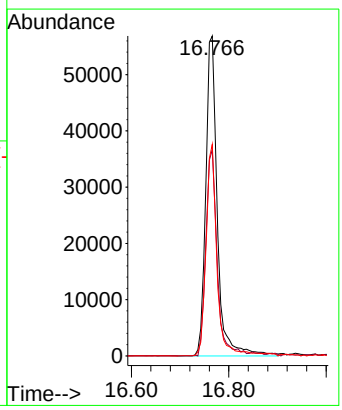
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

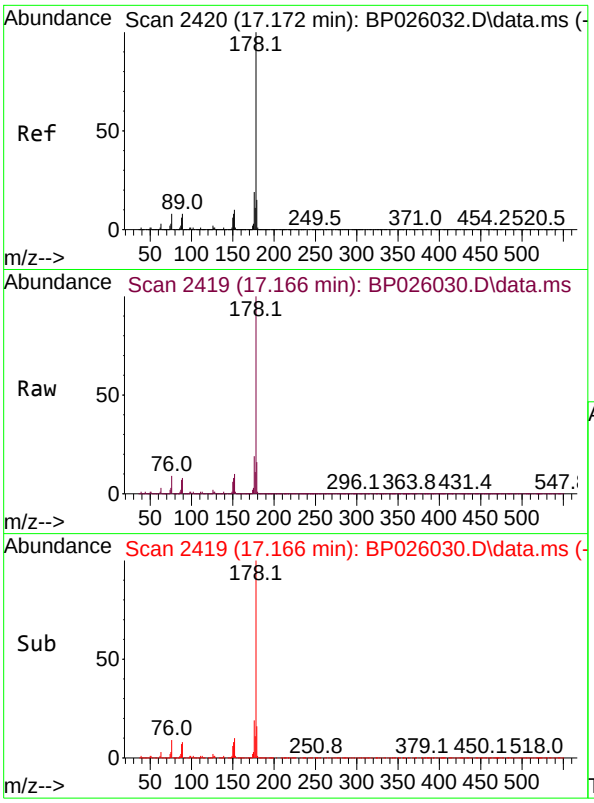


#70
Pentachlorophenol
Concen: 8.152 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:266 Resp: 94142

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.6	76.0
264	66.1	50.2	75.4

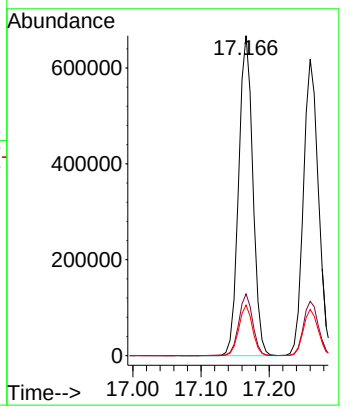




#71
Phenanthrene
Concen: 11.064 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:178 Resp: 96419

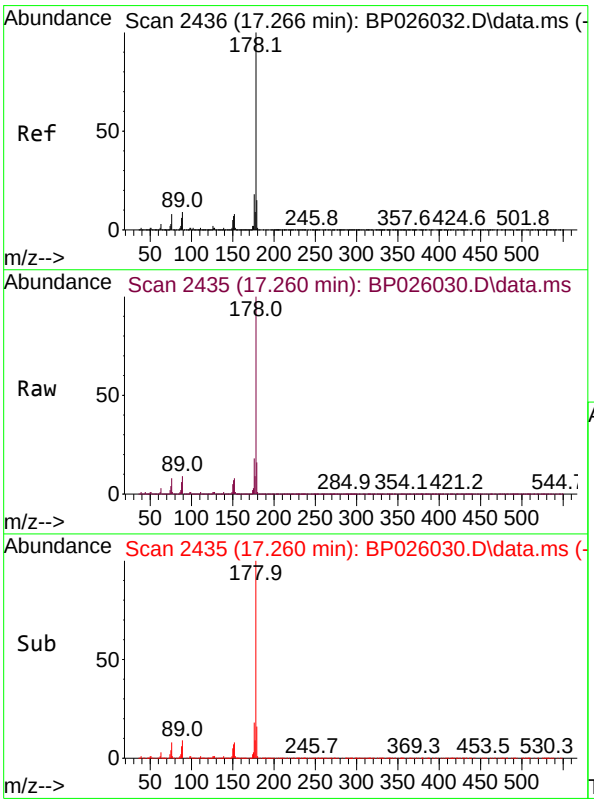
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

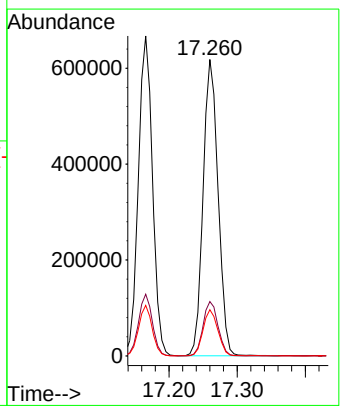
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

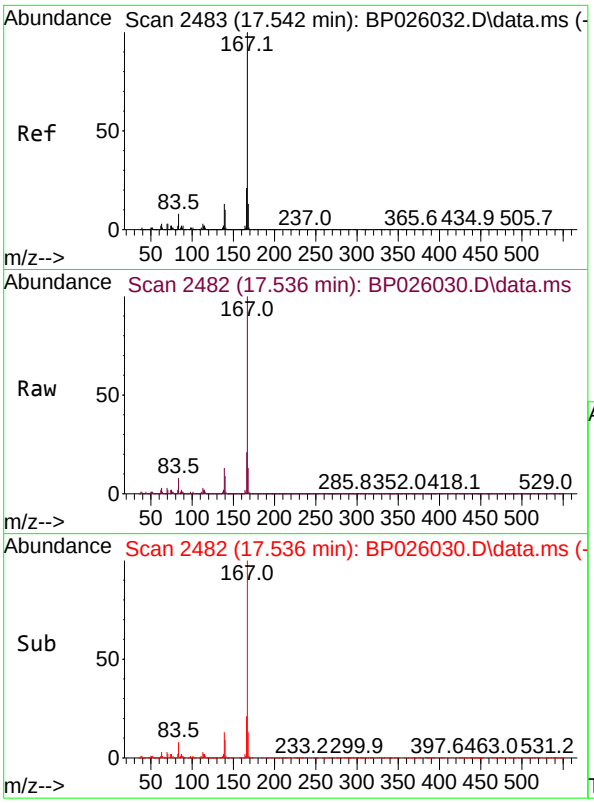


#72
Anthracene
Concen: 10.941 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:178 Resp: 945078

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.6	12.2	18.4

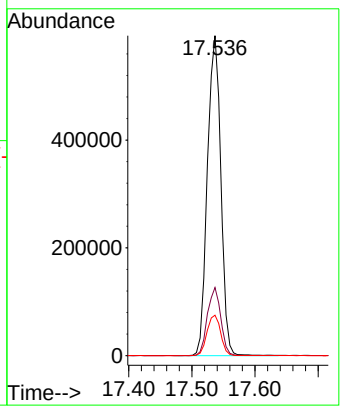




#73
Carbazole
Concen: 10.729 ng
RT: 17.536 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:167 Resp: 87731

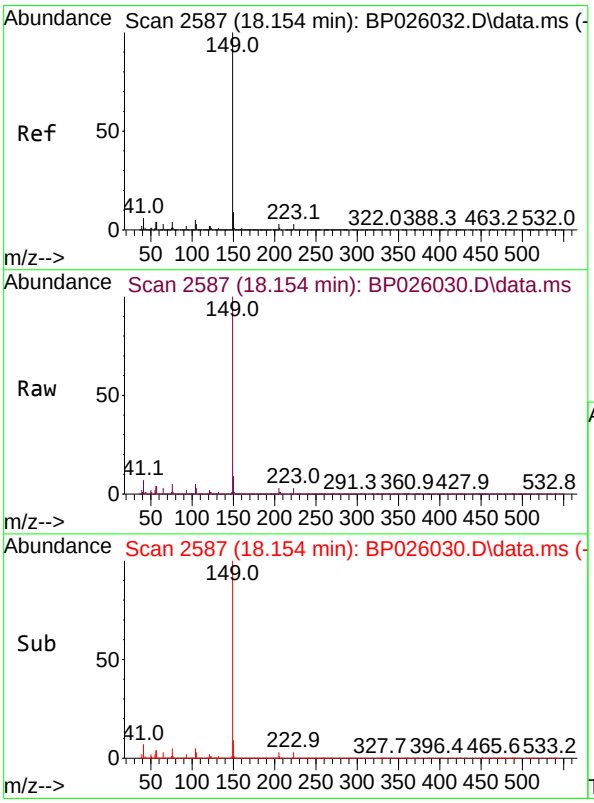
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.6	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

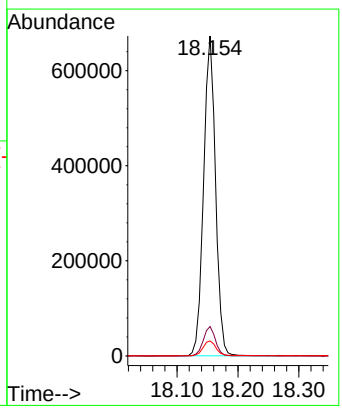
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

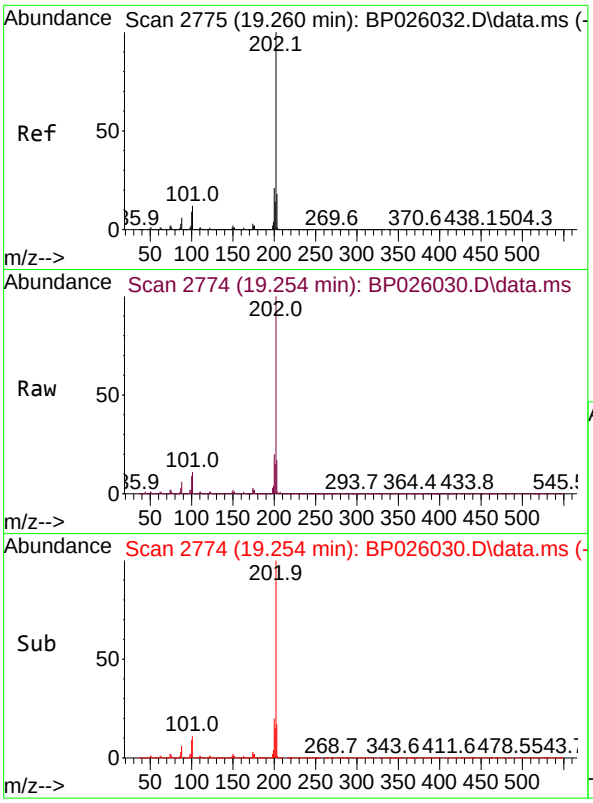


#74
Di-n-butylphthalate
Concen: 9.974 ng
RT: 18.154 min Scan# 2587
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 912617

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6

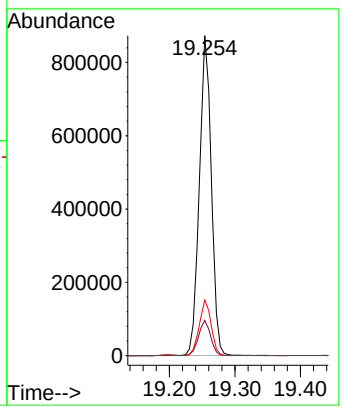




#75
Fluoranthene
Concen: 10.821 ng
RT: 19.254 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:202 Resp: 110003

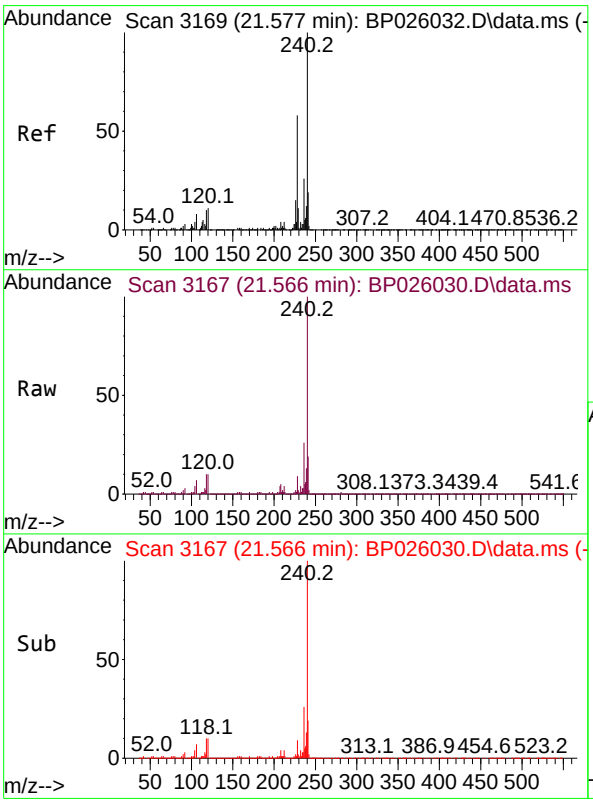
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.1
203	17.4	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

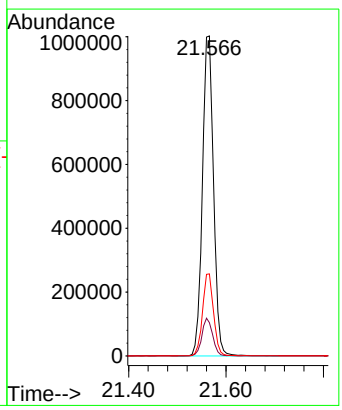
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

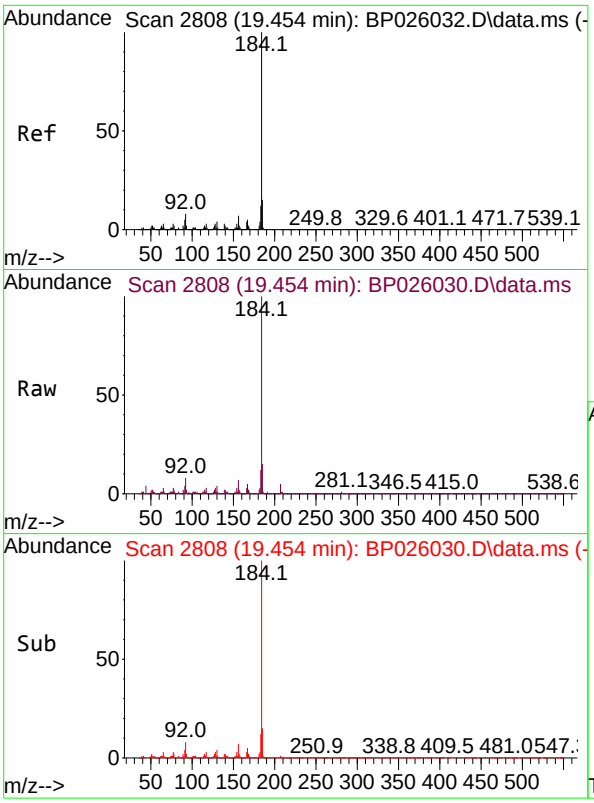


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:240 Resp: 1590140

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	25.6	20.6	31.0

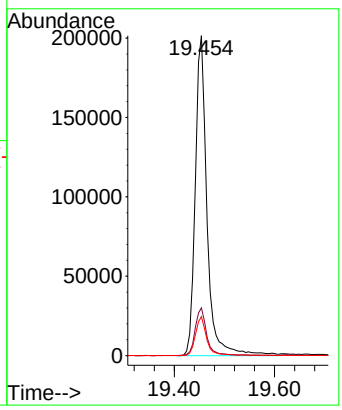




#77
Benzidine
Concen: 8.106 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:184 Resp: 32716

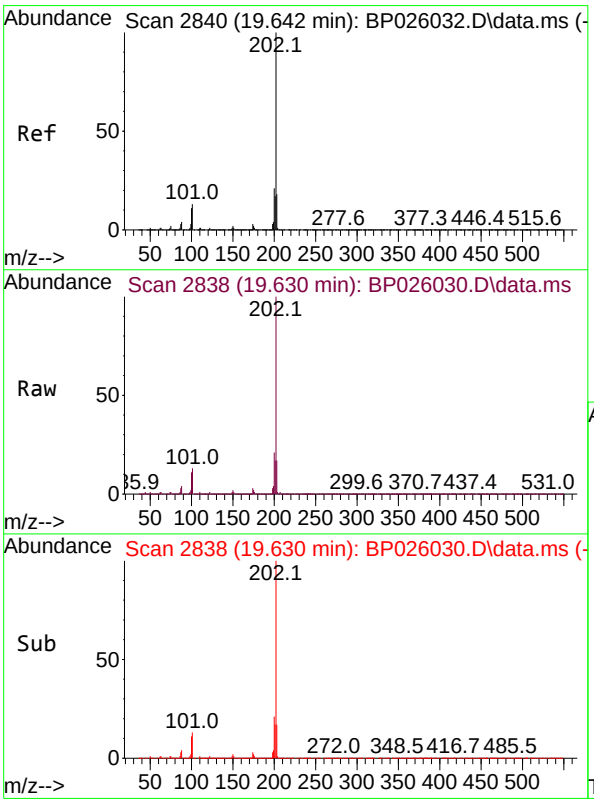
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	12.2	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

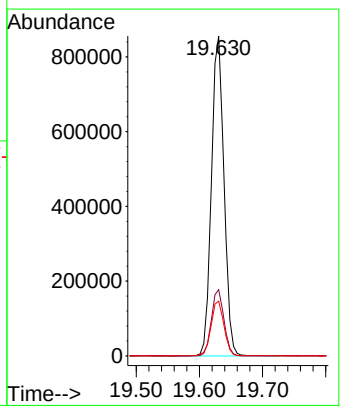
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

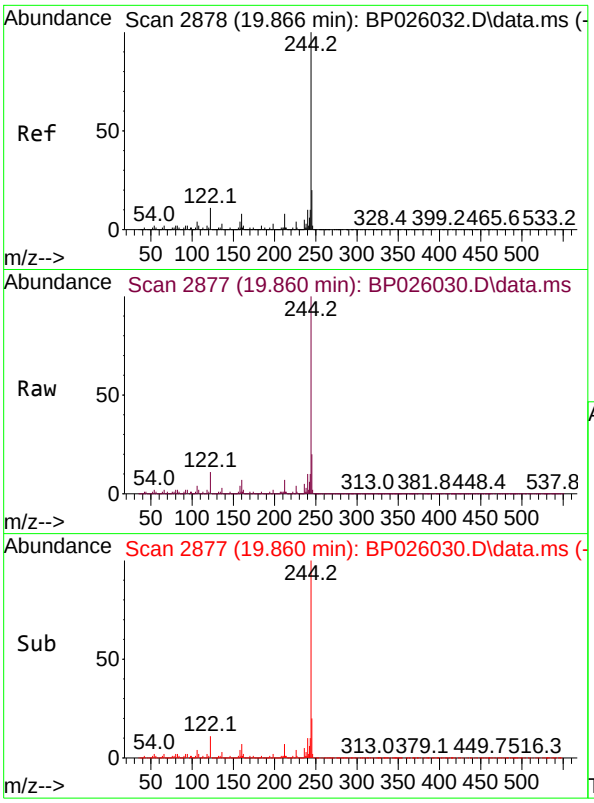


#78
Pyrene
Concen: 10.997 ng
RT: 19.630 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:202 Resp: 1182711

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.2	14.0	21.0

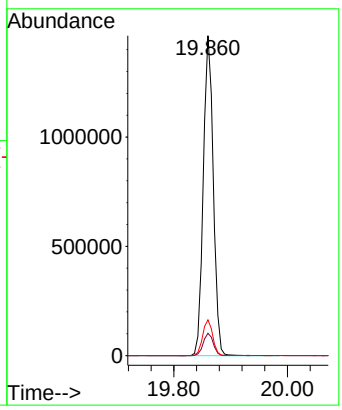




#79
Terphenyl-d14
Concen: 22.846 ng
RT: 19.860 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:244 Resp: 178811

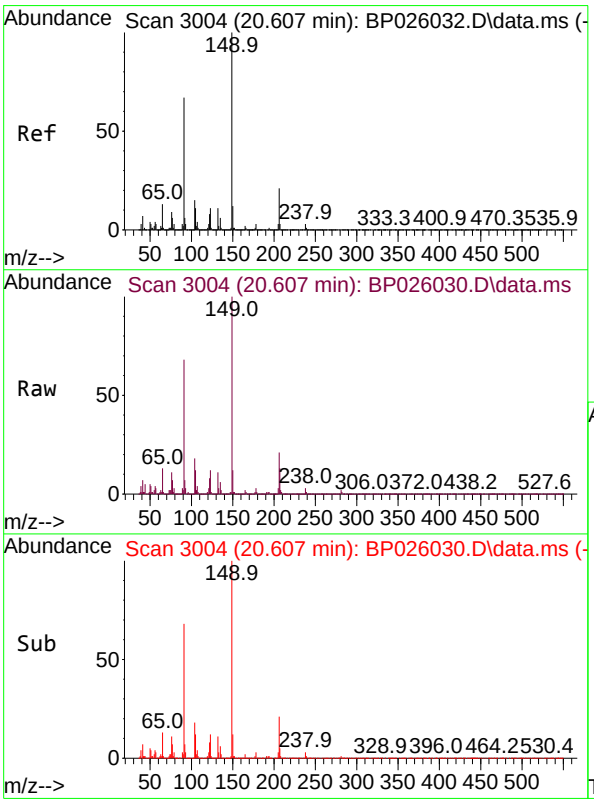
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.2	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

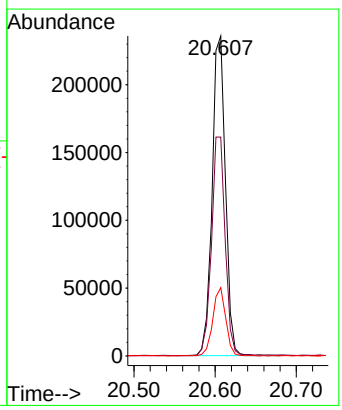
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

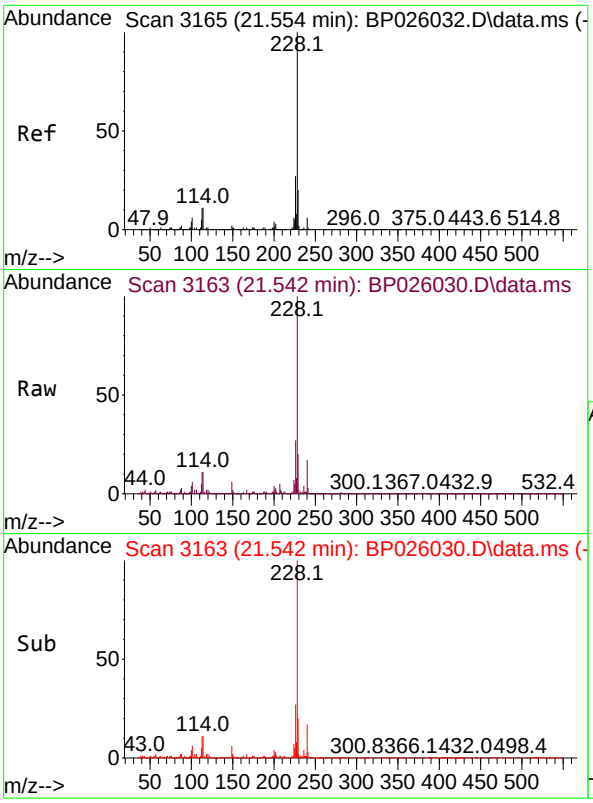


#80
Butylbenzylphthalate
Concen: 9.589 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 267569

Ion	Ratio	Lower	Upper
149	100		
91	68.4	53.5	80.3
206	21.3	16.6	25.0

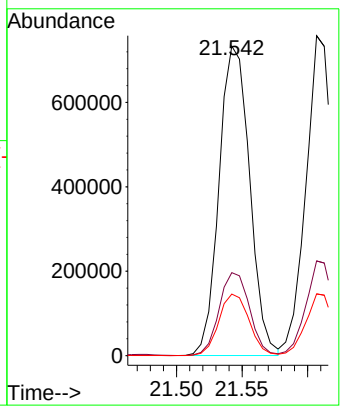




#81
Benzo(a)anthracene
Concen: 10.894 ng
RT: 21.542 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:228 Resp: 119037

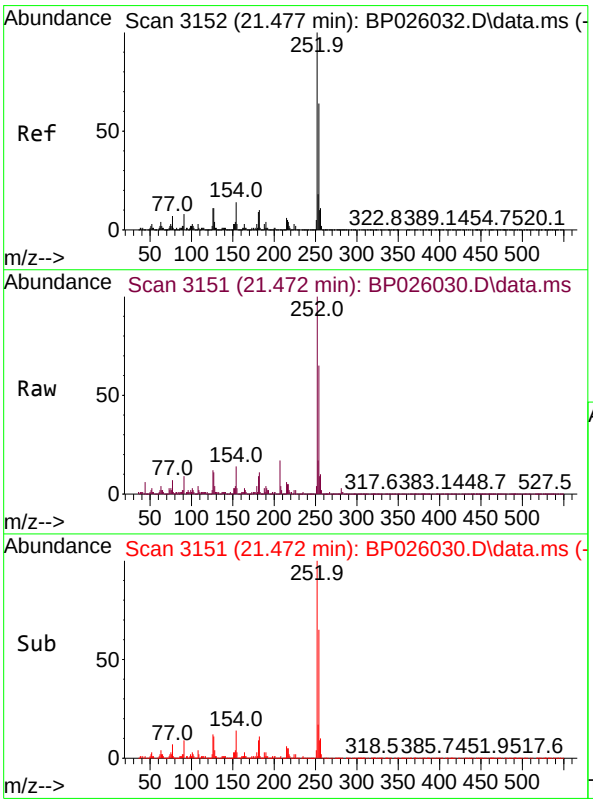
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

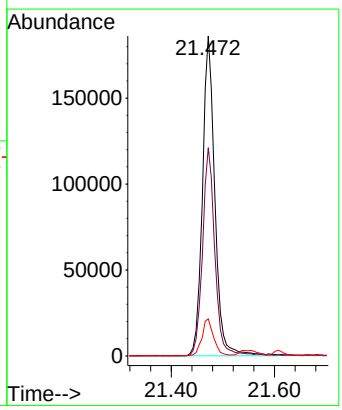
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

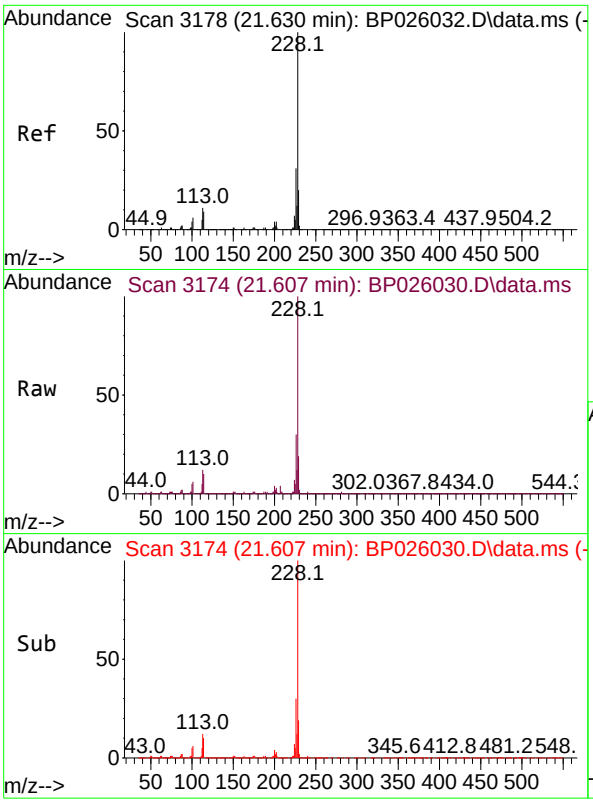


#82
3,3'-Dichlorobenzidine
Concen: 8.812 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 310231

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.3	76.9
126	11.6	9.1	13.7

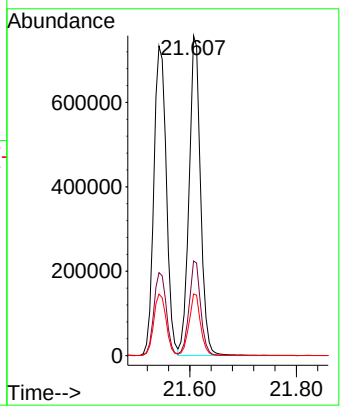




#83
Chrysene
Concen: 10.940 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.011 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:228 Resp: 113238

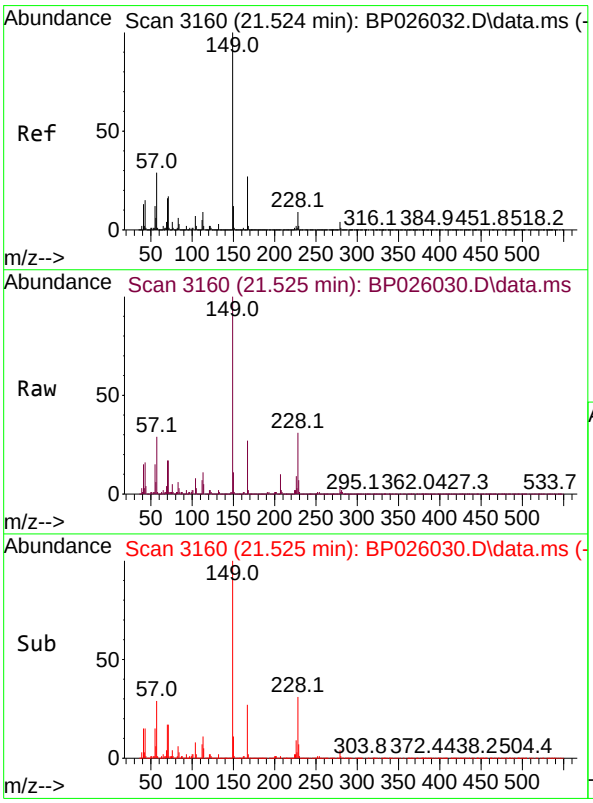
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.3	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

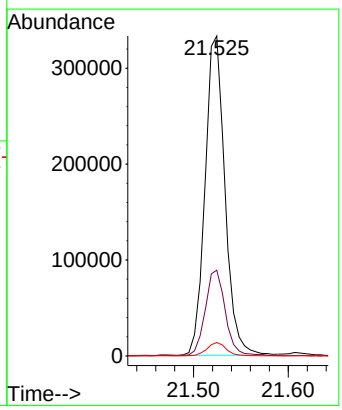
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

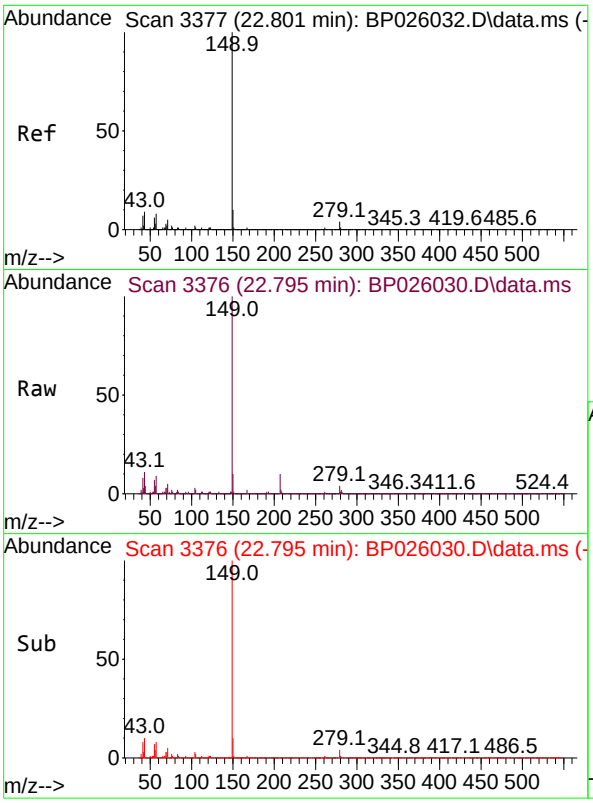


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.805 ng
RT: 21.525 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 487334

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.5	32.3
279	4.2	3.0	4.6

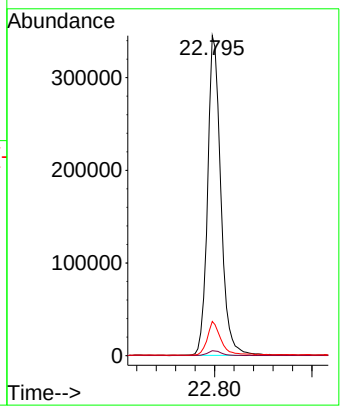




#85
Di-n-octyl phthalate
Concen: 6.903 ng
RT: 22.795 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:149 Resp: 653399

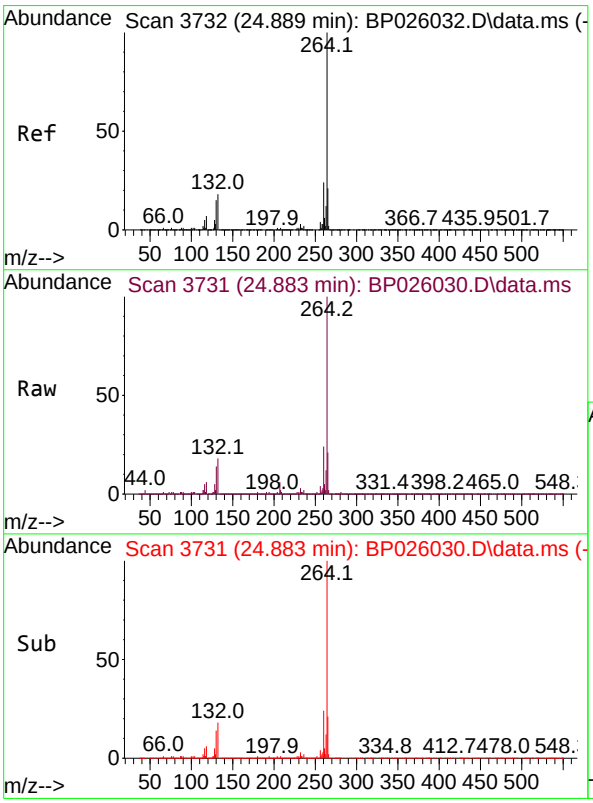
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.3	7.6	11.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

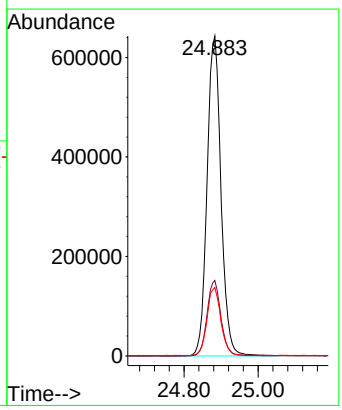
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

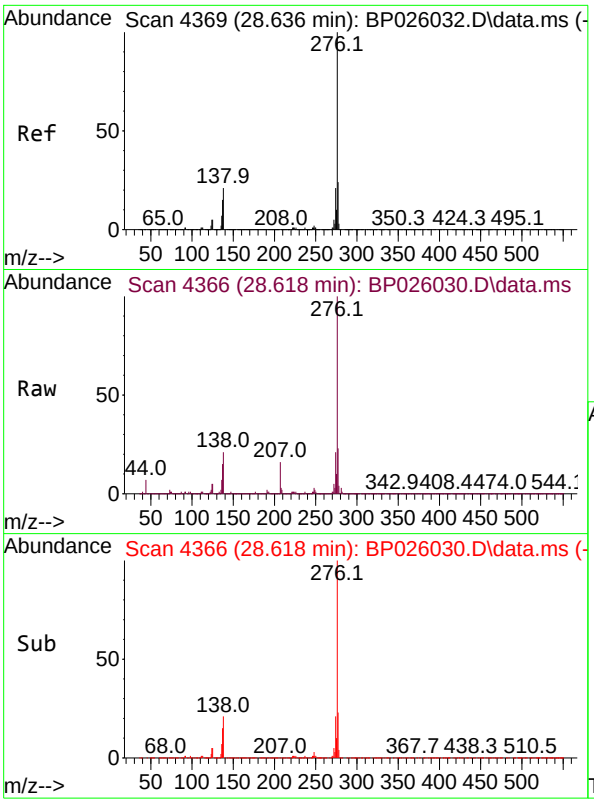


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:264 Resp: 1674719

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.4	17.2	25.8

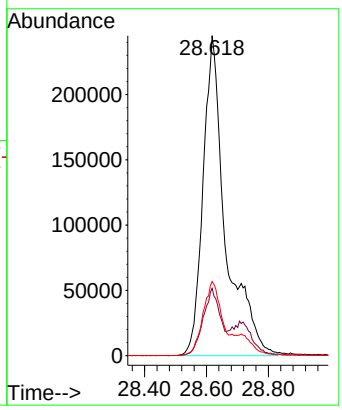




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.070 ng m
RT: 28.618 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:276 Resp: 124450

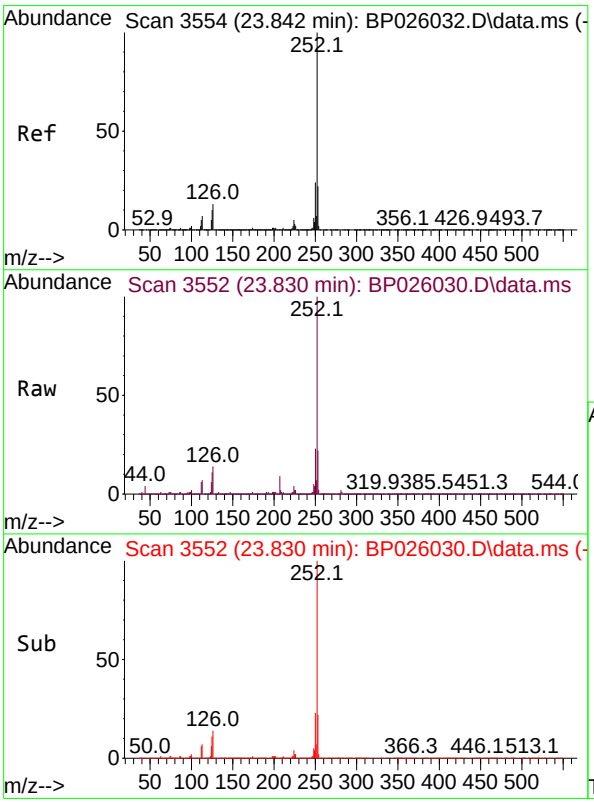
Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.2	19.8
277	20.8	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

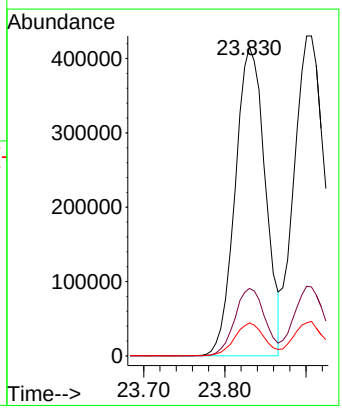
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

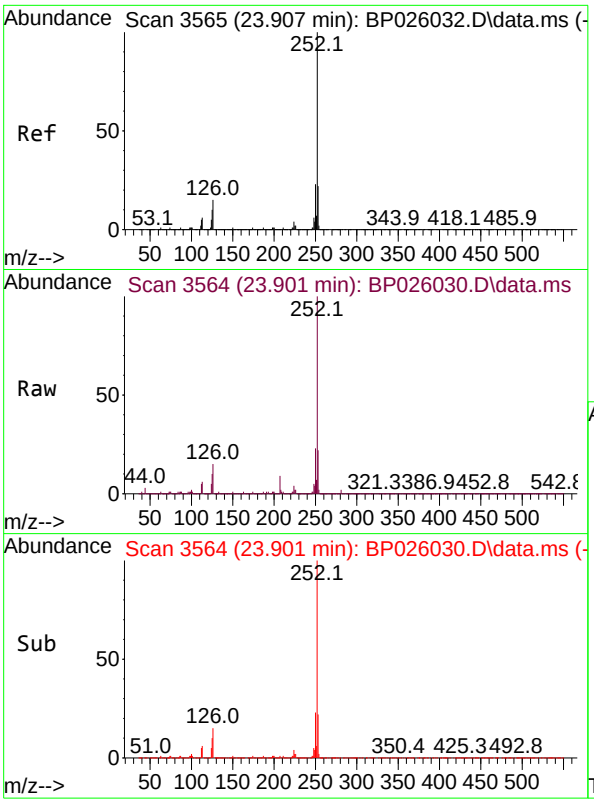


#88
Benzo(b)fluoranthene
Concen: 10.284 ng
RT: 23.830 min Scan# 3552
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 1069169

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.6	8.1	12.1

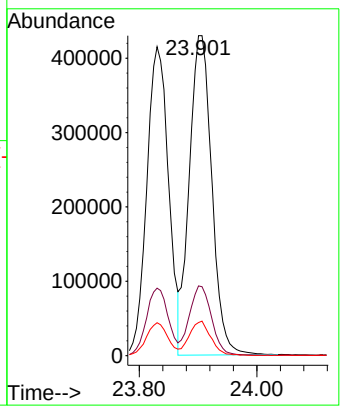




#89
Benzo(k)fluoranthene
Concen: 10.769 ng
RT: 23.901 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 114325

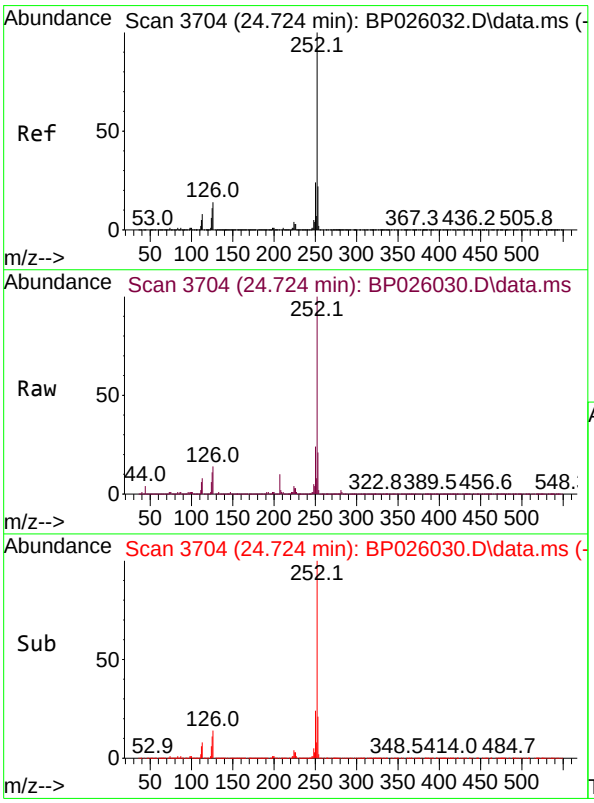
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.3	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

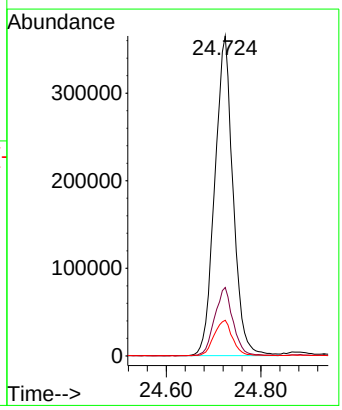
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

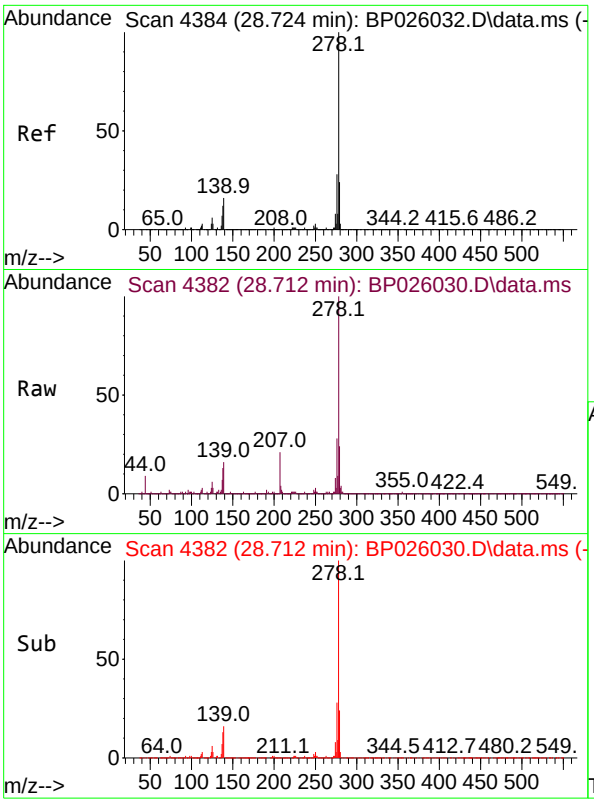


#90
Benzo(a)pyrene
Concen: 10.247 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:252 Resp: 978750

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	11.2	9.1	13.7

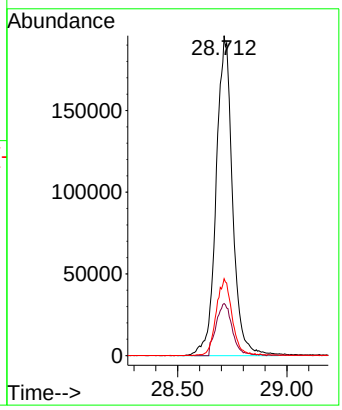




#91
Dibenzo(a,h)anthracene
Concen: 10.142 ng
RT: 28.712 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:278 Resp: 102048

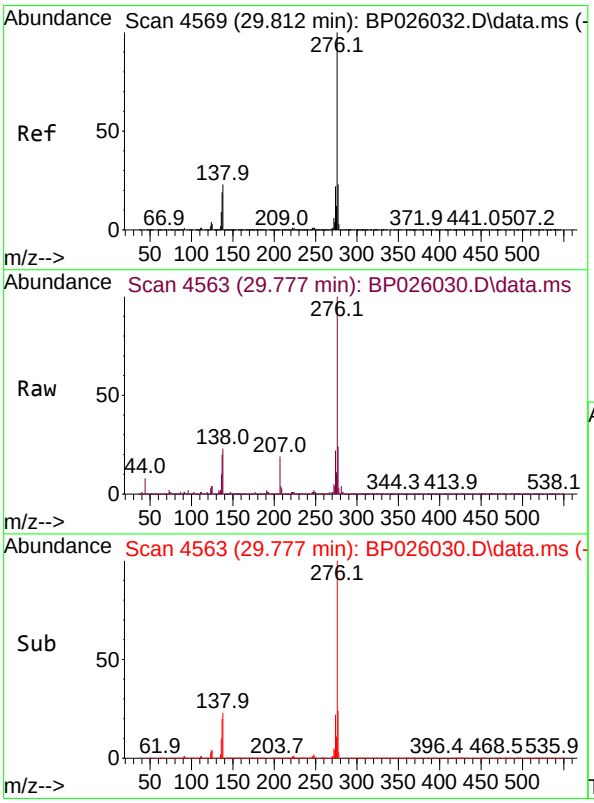
Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.6
279	24.0	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

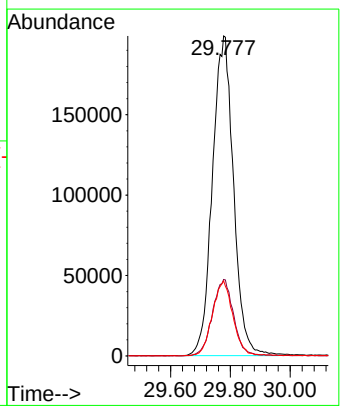
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025



#92
Benzo(g,h,i)perylene
Concen: 10.093 ng
RT: 29.777 min Scan# 4563
Delta R.T. -0.053 min
Lab File: BP026030.D
Acq: 29 Oct 2025 10:48

Tgt Ion:276 Resp: 977235

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	23.4	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	347170	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1426046	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	884189	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1764983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1935916	20.000	ng	0.01
86) Perylene-d12	24.889	264	2082873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	856596	40.714	ng	0.00
7) Phenol-d6	6.849	99	1092661	40.803	ng	0.00
23) Nitrobenzene-d5	8.819	82	931308	40.712	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	385788	40.359	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	2570497	41.774	ng	-0.01
79) Terphenyl-d14	19.860	244	3920732	41.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	180212	20.318	ng	100
3) Pyridine	3.625	79	516467	20.483	ng	99
4) n-Nitrosodimethylamine	3.537	42	205014	20.287	ng	99
6) Aniline	7.013	93	735067	20.567	ng	100
8) 2-Chlorophenol	7.255	128	470651	20.201	ng	97
9) Benzaldehyde	6.831	77	325513m	23.383	ng	
10) Phenol	6.878	94	607568	20.436	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	476458	20.308	ng	99
12) 1,3-Dichlorobenzene	7.578	146	545717	20.396	ng	100
13) 1,4-Dichlorobenzene	7.719	146	550164	20.337	ng	100
14) 1,2-Dichlorobenzene	8.031	146	526607	20.400	ng	98
15) Benzyl Alcohol	7.913	79	381569	19.765	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	729715	20.579	ng	100
17) 2-Methylphenol	8.113	107	397383	20.413	ng	99
18) Hexachloroethane	8.760	117	185631	20.053	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	352850	21.226	ng	99
20) 3+4-Methylphenols	8.437	107	540688	19.965	ng	99
22) Acetophenone	8.484	105	739513	20.505	ng	99
24) Nitrobenzene	8.860	77	492888	20.407	ng	98
25) Isophorone	9.378	82	1005233	20.531	ng	99
26) 2-Nitrophenol	9.566	139	152813	18.908	ng	99
27) 2,4-Dimethylphenol	9.625	122	401111	19.481	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	622000	20.157	ng	99
29) 2,4-Dichlorophenol	10.090	162	438904	20.189	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	480041	20.315	ng	98
31) Naphthalene	10.496	128	1598863	20.560	ng	100
32) Benzoic acid	9.713	122	181442	19.682	ng	97
33) 4-Chloroaniline	10.596	127	609114	20.383	ng	99
34) Hexachlorobutadiene	10.796	225	298535	19.881	ng	98
35) Caprolactam	11.343	113	146841	19.234	ng	97
36) 4-Chloro-3-methylphenol	11.719	107	464170	20.367	ng	99
37) 2-Methylnaphthalene	12.107	142	1100141	20.213	ng	99
38) 1-Methylnaphthalene	12.331	142	1075202	20.334	ng	98
40) 1,2,4,5-Tetrachloroben...	12.484	216	562803	20.486	ng	100
41) Hexachlorocyclopentadiene	12.472	237	175347	17.444	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	328962	20.258	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	375399	20.260	ng	97
46) 1,1'-Biphenyl	13.137	154	1394592	20.599	ng	100
47) 2-Chloronaphthalene	13.172	162	1103115	20.709	ng	99
48) 2-Nitroaniline	13.366	65	237733	19.391	ng	98
49) Acenaphthylene	14.031	152	1619778	20.863	ng	100
50) Dimethylphthalate	13.766	163	1318220	20.496	ng	100
51) 2,6-Dinitrotoluene	13.872	165	206491	19.266	ng	96
52) Acenaphthene	14.372	154	1102148	20.678	ng	100
53) 3-Nitroaniline	14.201	138	261900	19.720	ng	99
54) 2,4-Dinitrophenol	14.407	184	72866	20.106	ng	93
55) Dibenzofuran	14.713	168	1667180	20.703	ng	99
56) 4-Nitrophenol	14.507	139	273512	21.327	ng	97
57) 2,4-Dinitrotoluene	14.666	165	300694	19.242	ng	99
58) Fluorene	15.378	166	1326773	21.030	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	293495	20.145	ng	99
60) Diethylphthalate	15.154	149	1311790	20.288	ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	650778	20.656	ng	100
62) 4-Nitroaniline	15.378	138	290147	21.112	ng	98
63) Azobenzene	15.678	77	1206973	20.597	ng	98
65) 4,6-Dinitro-2-methylph...	15.448	198	113887	20.196	ng	99
66) n-Nitrosodiphenylamine	15.590	169	1131476	20.503	ng	100
67) 4-Bromophenyl-phenylether	16.295	248	391458	19.995	ng	99
68) Hexachlorobenzene	16.407	284	452701	20.312	ng	98
69) Atrazine	16.572	200	389382	20.916	ng	96
70) Pentachlorophenol	16.754	266	252504	18.548	ng	99
71) Phenanthrene	17.166	178	2134410	20.777	ng	100
72) Anthracene	17.254	178	2109900	20.719	ng	100
73) Carbazole	17.536	167	2054988	21.318	ng	99
74) Di-n-butylphthalate	18.148	149	2189917	20.303	ng	100
75) Fluoranthene	19.254	202	2516802	21.002	ng	99
77) Benzidine	19.454	184	984237	20.030	ng	99
78) Pyrene	19.630	202	2700976	20.628	ng	100
80) Butylbenzylphthalate	20.607	149	787044	18.358	ng	98
81) Benzo(a)anthracene	21.554	228	2723711	20.474	ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	821245	19.160	ng	100
83) Chrysene	21.624	228	2610441	20.715	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	1336224	18.694	ng	100
85) Di-n-octyl phthalate	22.807	149	1984874	17.224	ng	99
87) Indeno(1,2,3-cd)pyrene	28.648	276	3205879m	20.856	ng	
88) Benzo(b)fluoranthene	23.836	252	2661543	20.584	ng	100
89) Benzo(k)fluoranthene	23.907	252	2720350	20.602	ng	99
90) Benzo(a)pyrene	24.724	252	2440075	20.541	ng	100
91) Dibenzo(a,h)anthracene	28.730	278	2601046	20.785	ng	99
92) Benzo(g,h,i)perylene	29.806	276	2538211	21.078	ng	99

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

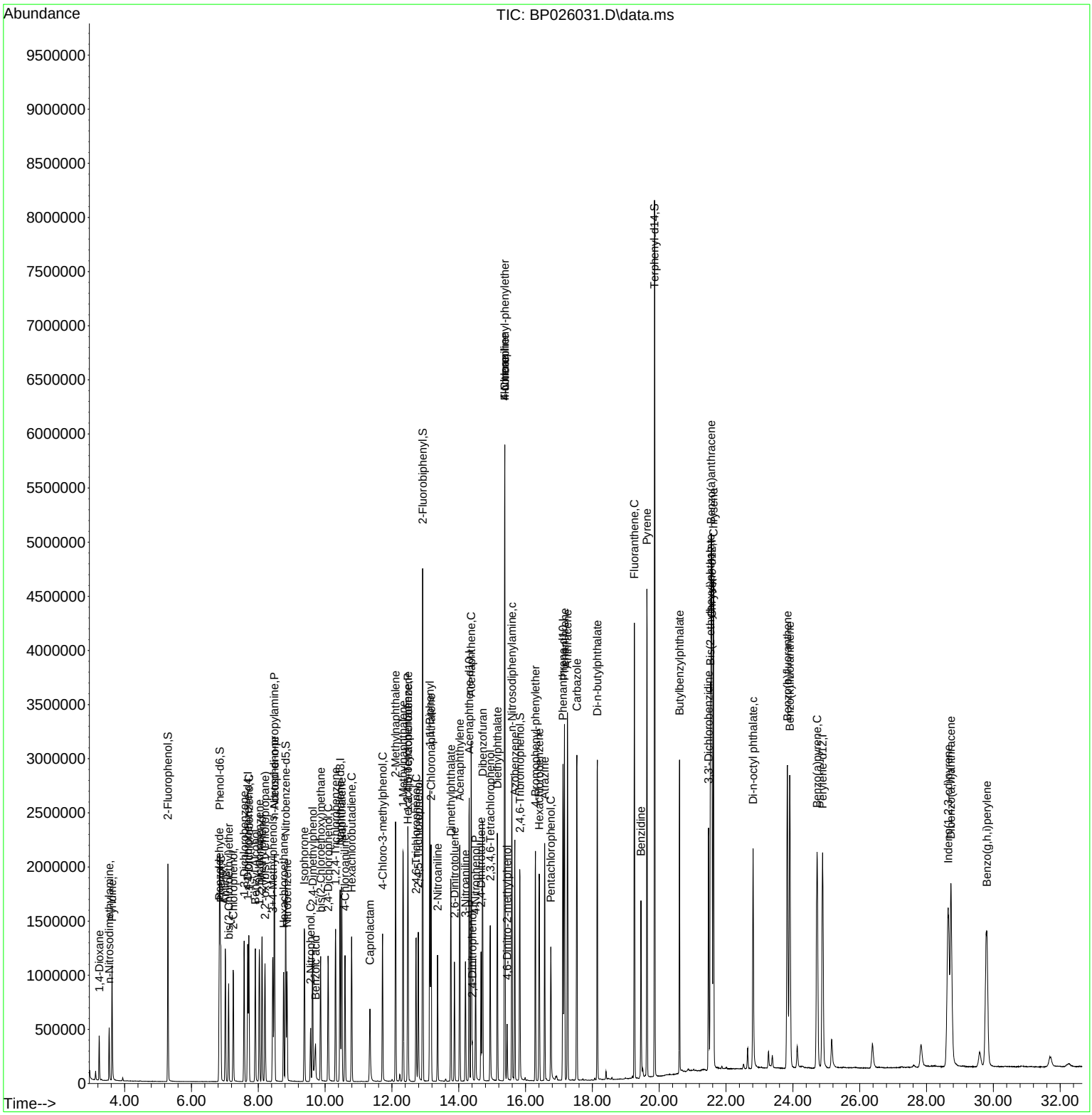
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

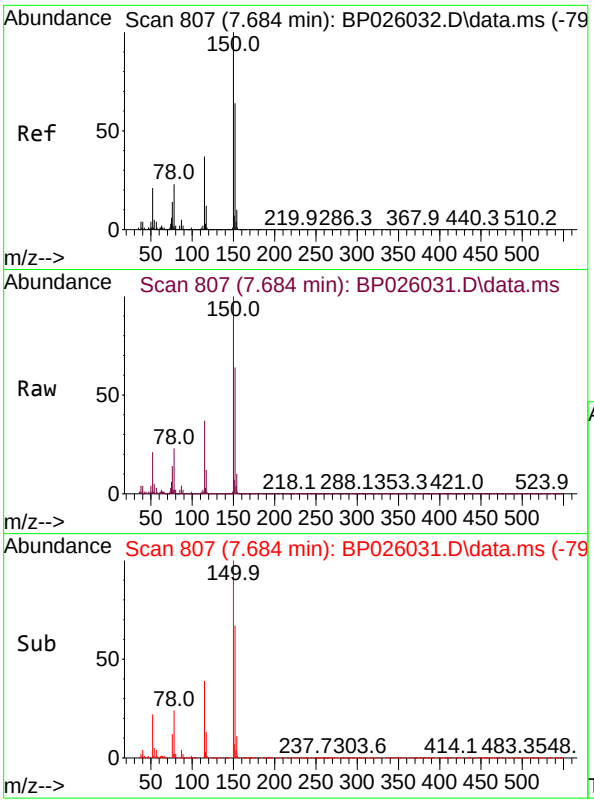
Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

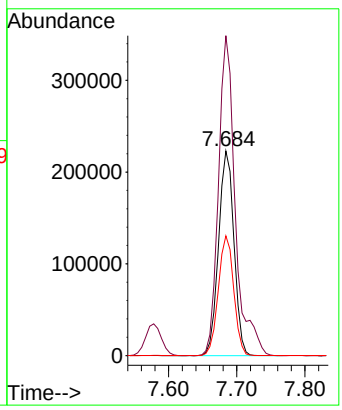




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:152 Resp: 34717

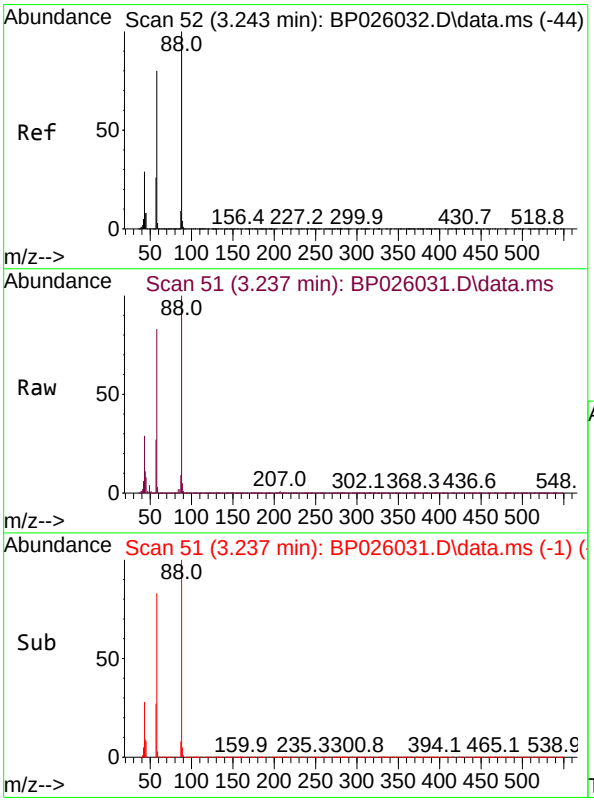
Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.7	188.5
115	58.6	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

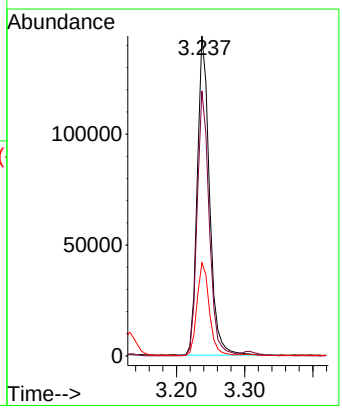
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

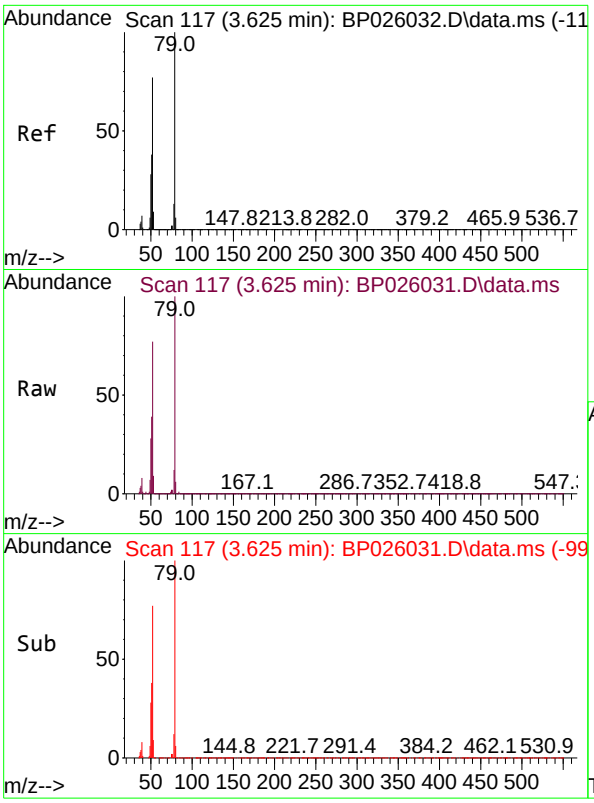


#2
1,4-Dioxane
Concen: 20.318 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 88 Resp: 180212

Ion	Ratio	Lower	Upper
88	100		
58	81.6	65.4	98.0
43	29.2	23.1	34.7

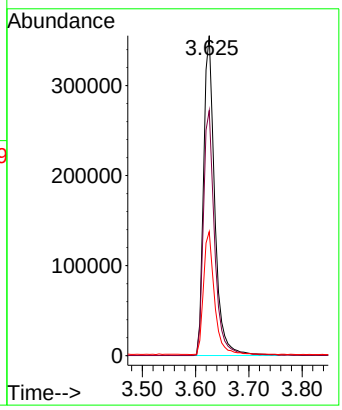




#3
Pyridine
Concen: 20.483 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 79 Resp: 51646

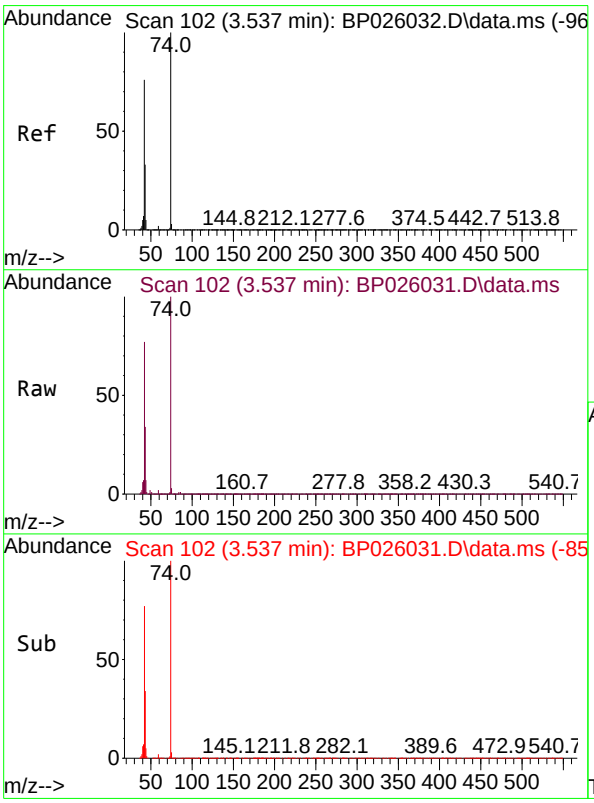
Ion	Ratio	Lower	Upper
79	100		
52	76.6	62.0	93.0
51	38.7	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

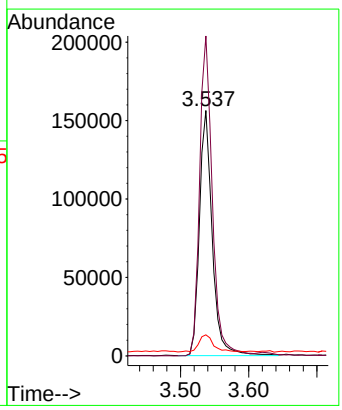
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

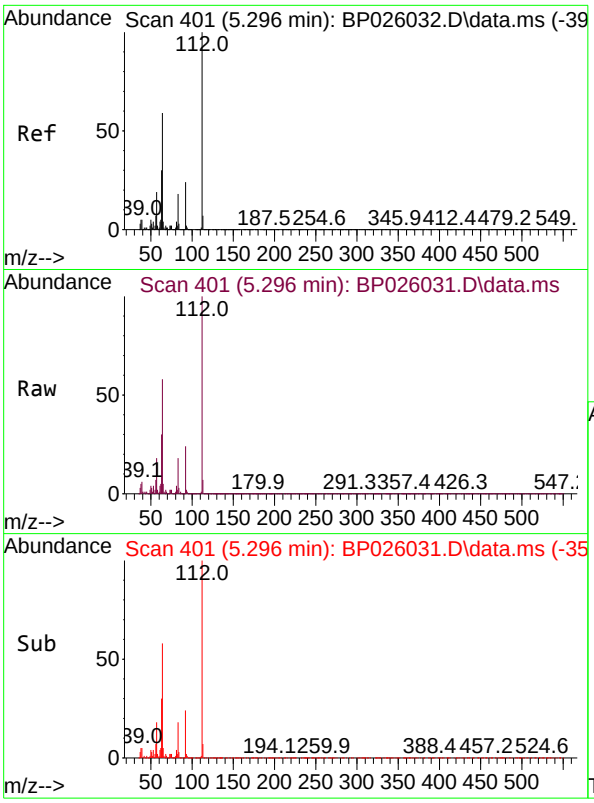


#4
n-Nitrosodimethylamine
Concen: 20.287 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 42 Resp: 205014

Ion	Ratio	Lower	Upper
42	100		
74	130.4	105.7	158.5
44	8.6	6.6	9.8

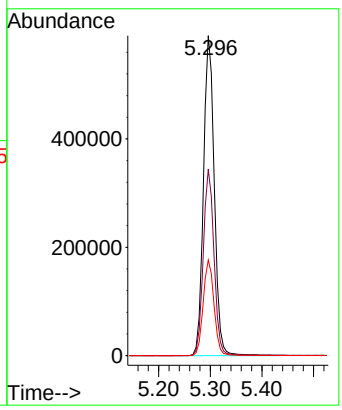




#5
2-Fluorophenol
Concen: 40.714 ng
RT: 5.296 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:112 Resp: 85659

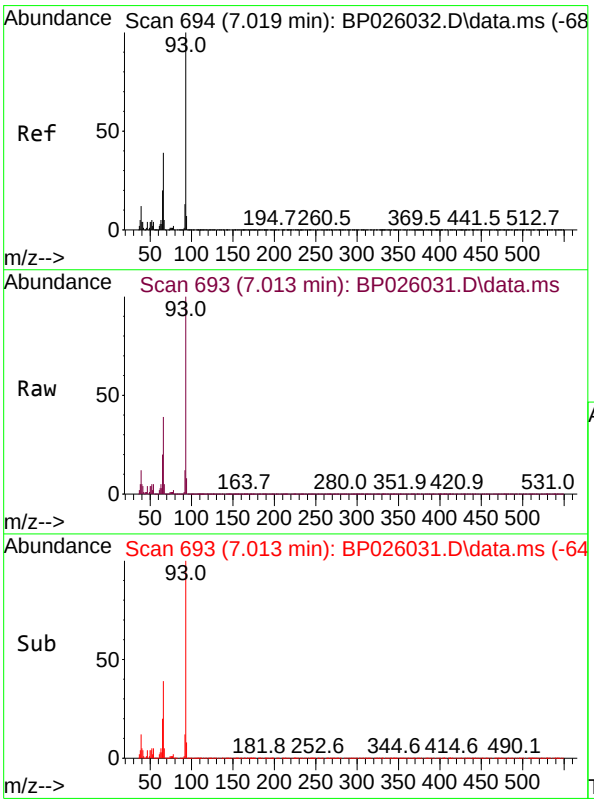
Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.4	71.2
63	29.9	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

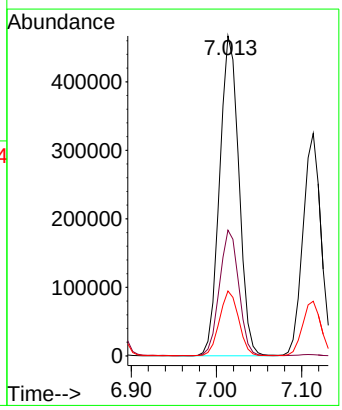
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

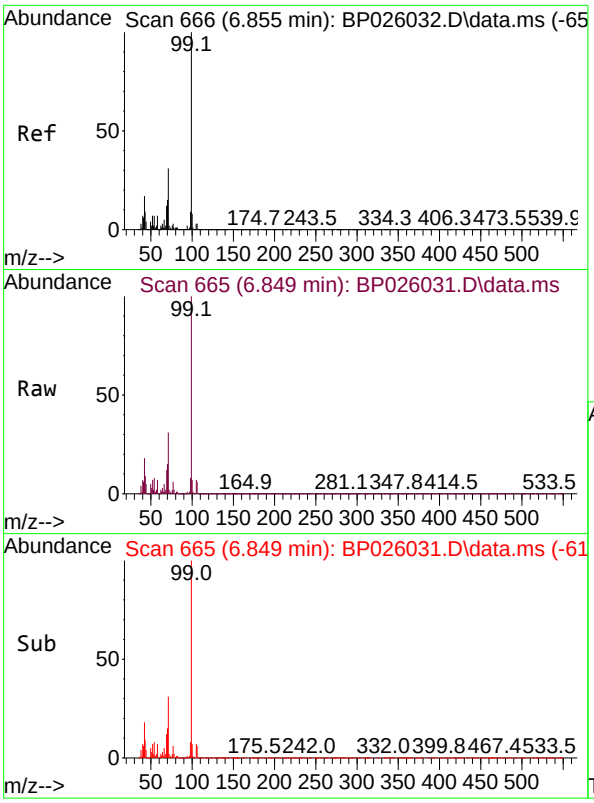


#6
Aniline
Concen: 20.567 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 735067

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.2	46.8
65	20.3	16.1	24.1

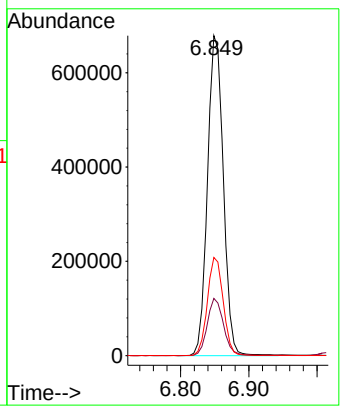




#7
Phenol-d6
Concen: 40.803 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 99 Resp: 109266

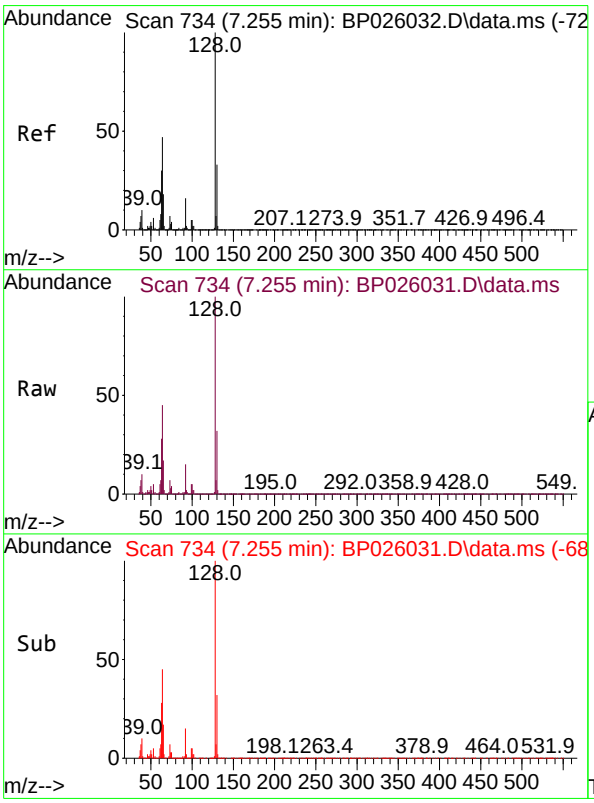
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	30.7	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

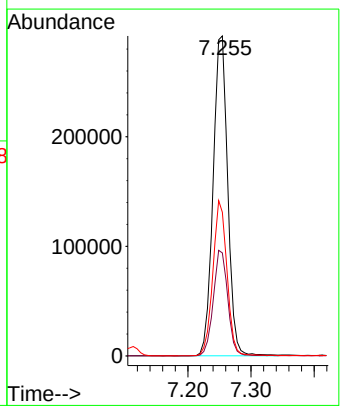
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

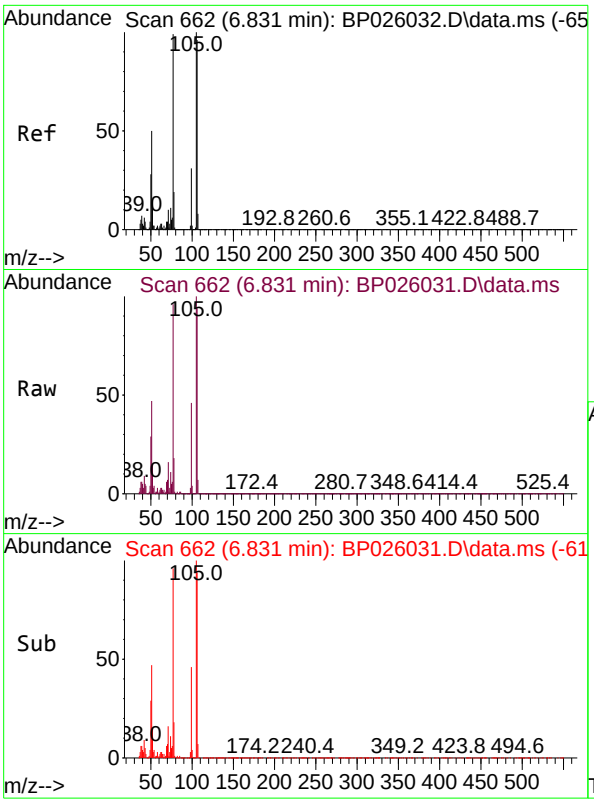


#8
2-Chlorophenol
Concen: 20.201 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:128 Resp: 470651

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	44.9	27.4	67.4

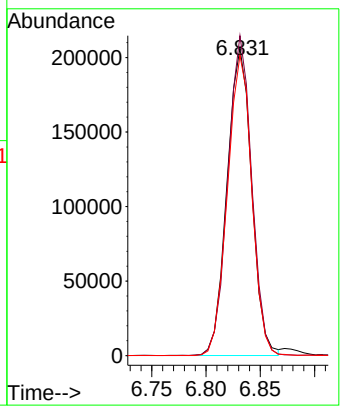




#9
Benzaldehyde
Concen: 23.383 ng m
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 32551

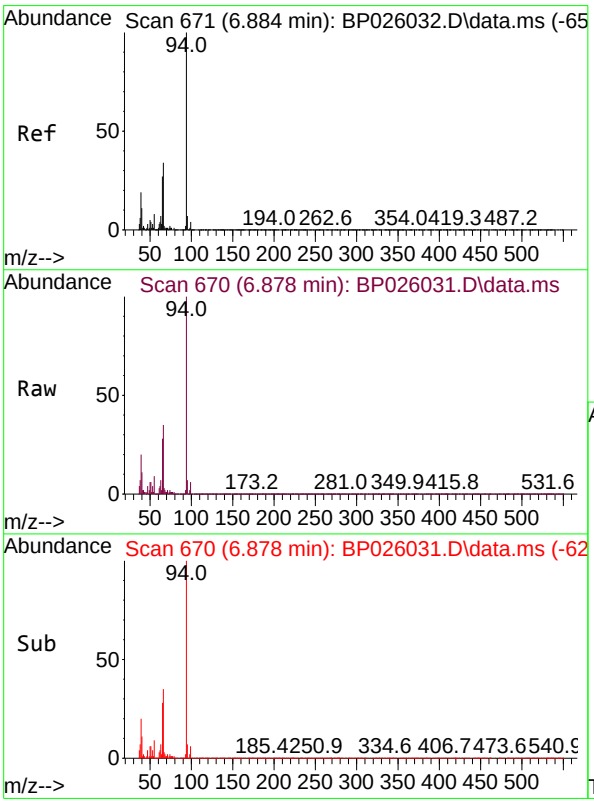
Ion	Ratio	Lower	Upper
77	100		
105	104.1	80.7	120.7
106	97.6	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

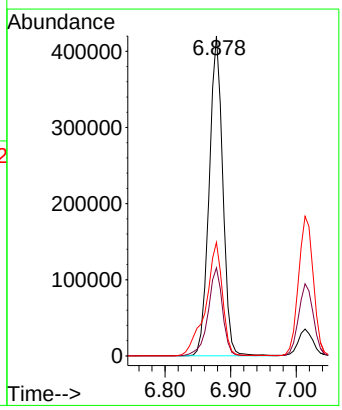
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

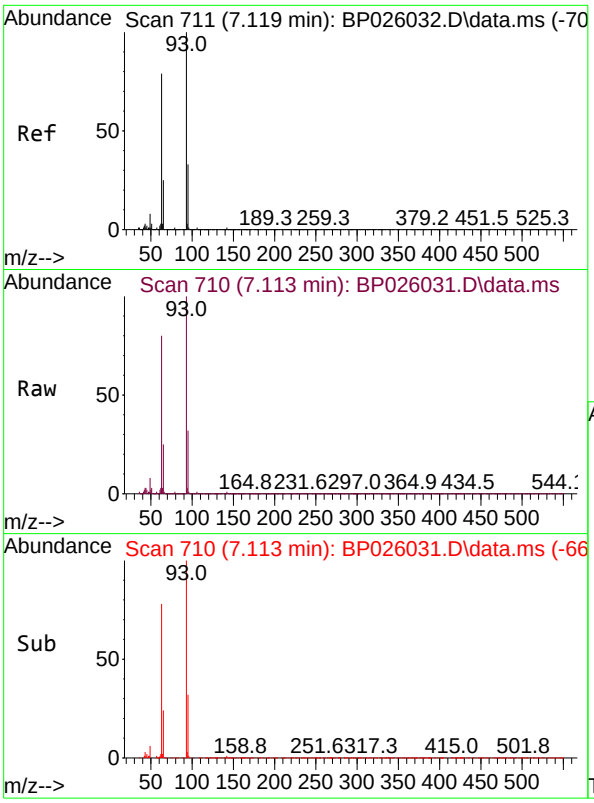


#10
Phenol
Concen: 20.436 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 94 Resp: 607568

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.1	47.1
66	35.5	14.4	54.4

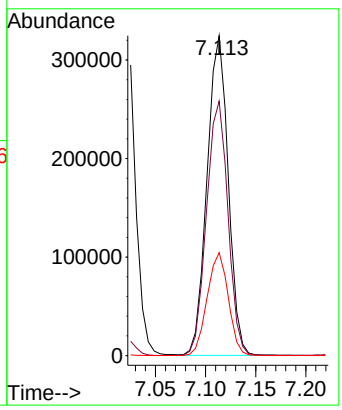




#11
bis(2-Chloroethyl)ether
Concen: 20.308 ng
RT: 7.113 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 476458

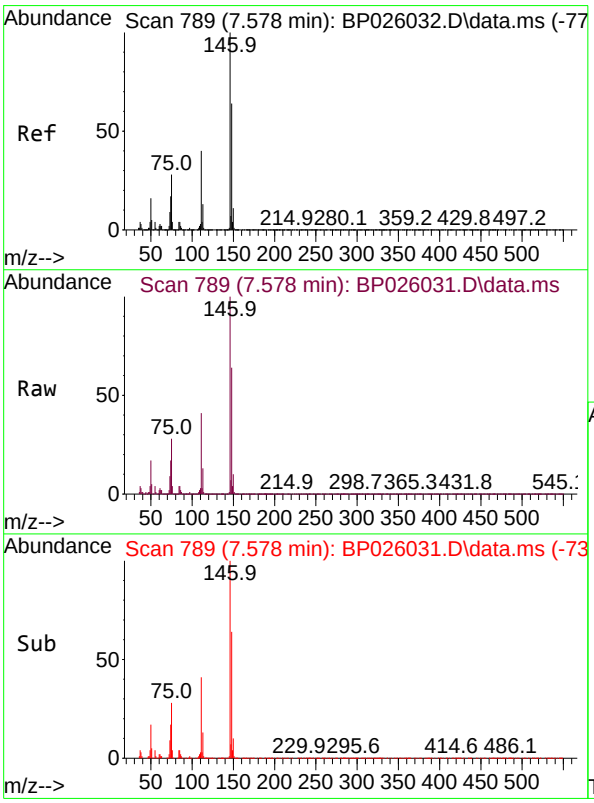
Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.1	99.1
95	32.2	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

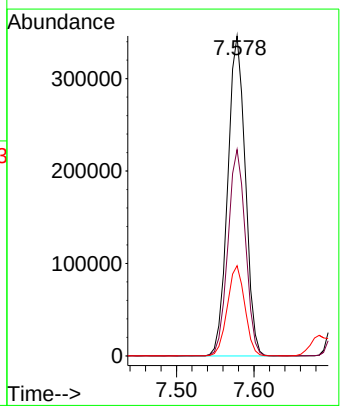
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

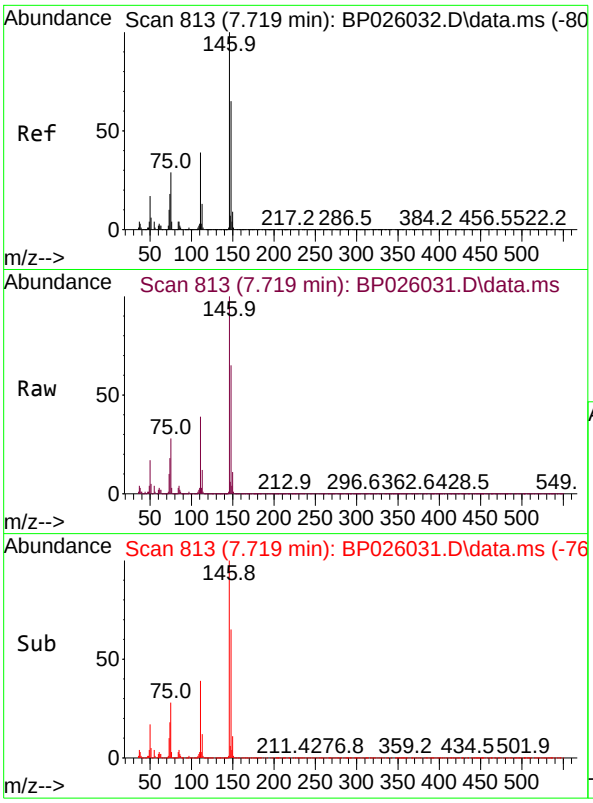


#12
1,3-Dichlorobenzene
Concen: 20.396 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 545717

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	28.2	22.6	33.8

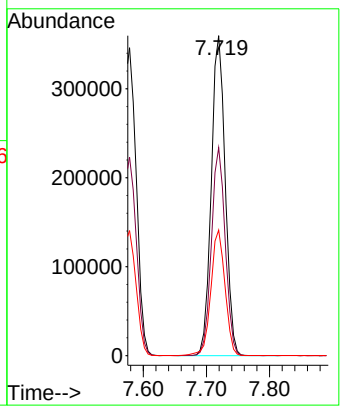




#13
1,4-Dichlorobenzene
Concen: 20.337 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 550164

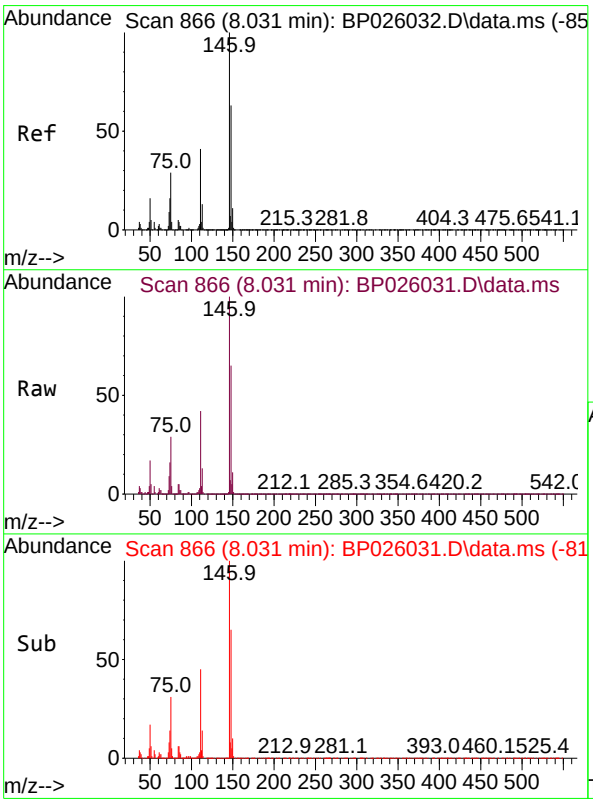
Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	39.2	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

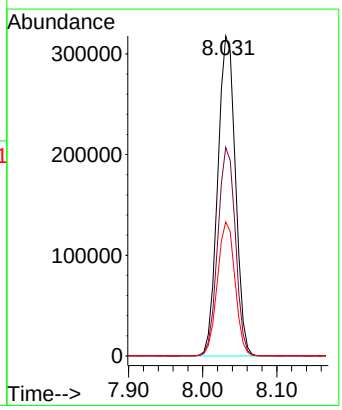
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

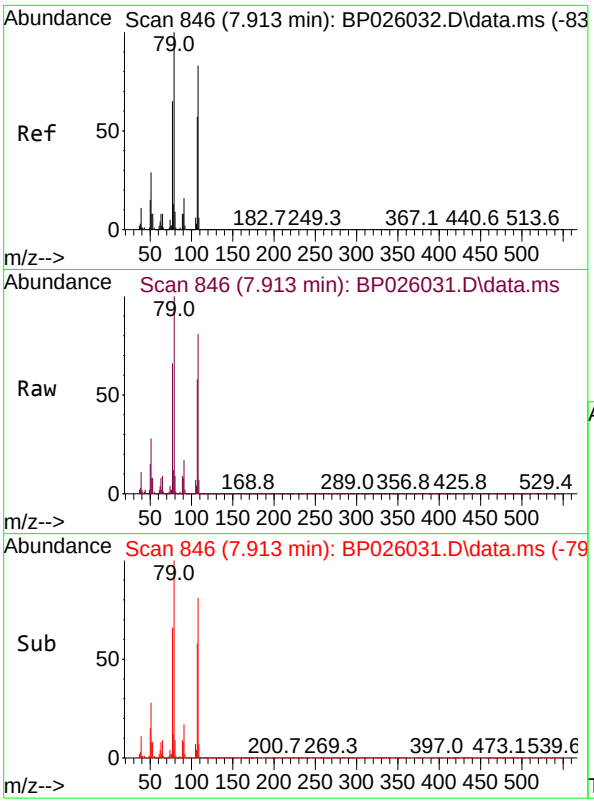


#14
1,2-Dichlorobenzene
Concen: 20.400 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:146 Resp: 526607

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.8	76.2
111	41.9	33.0	49.4

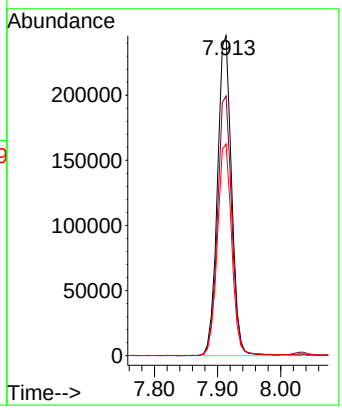




#15
Benzyl Alcohol
Concen: 19.765 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 79 Resp: 381569

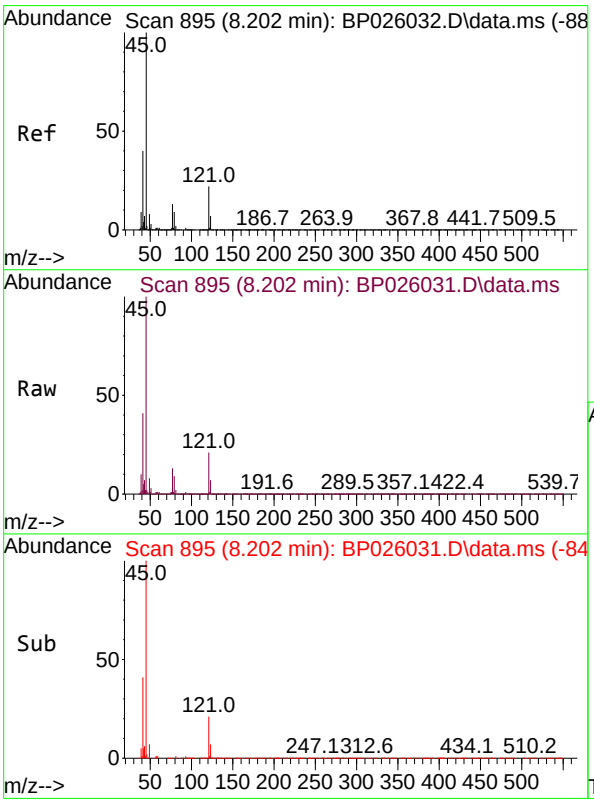
Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.0	99.0
77	66.2	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

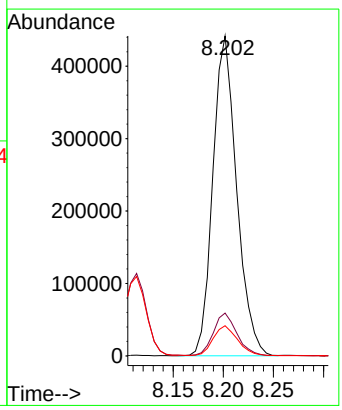
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

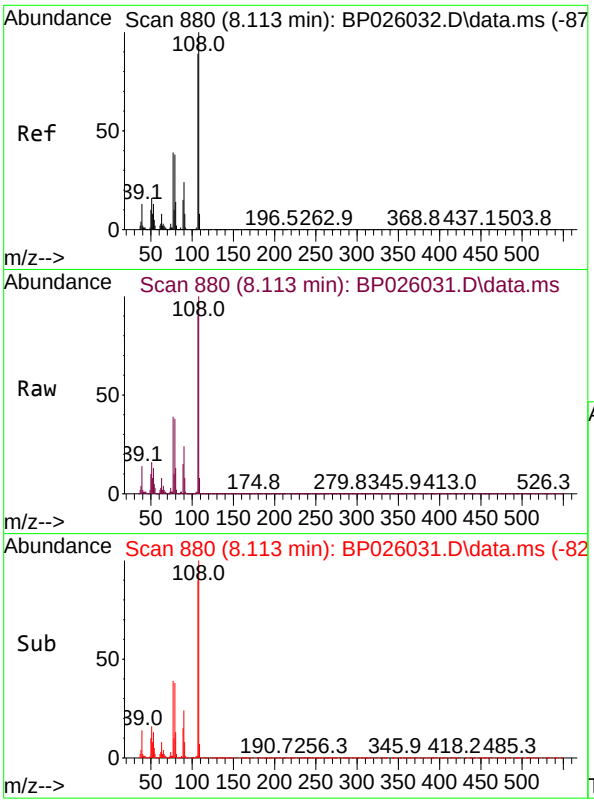


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.579 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 45 Resp: 729715

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.2
79	9.4	0.0	29.5

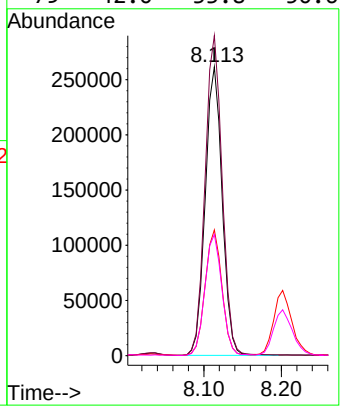




#17
2-Methylphenol
Concen: 20.413 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 39738

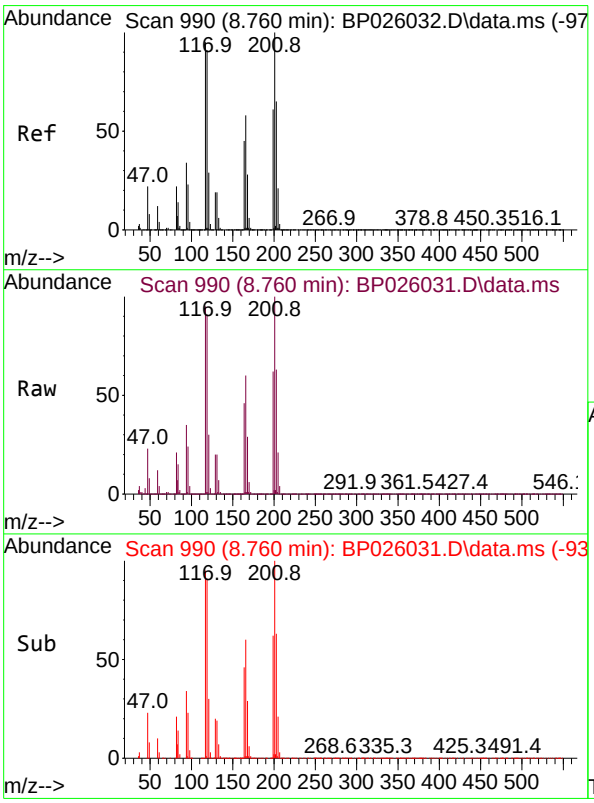
Ion	Ratio	Lower	Upper
107	100		
108	110.8	89.8	134.8
77	43.5	34.8	52.2
79	42.0	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

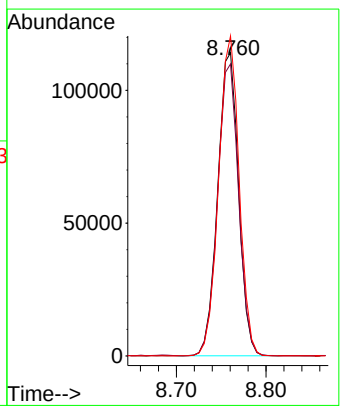
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

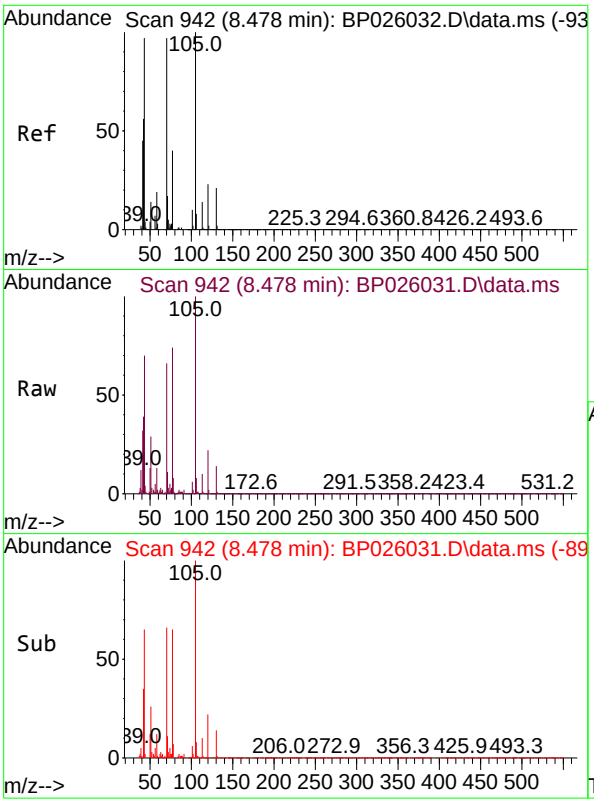


#18
Hexachloroethane
Concen: 20.053 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:117 Resp: 185631

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
201	105.6	84.2	126.4

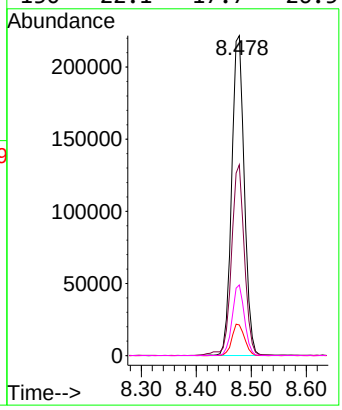




#19
n-Nitroso-di-n-propylamine
Concen: 21.226 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 70 Resp: 35285

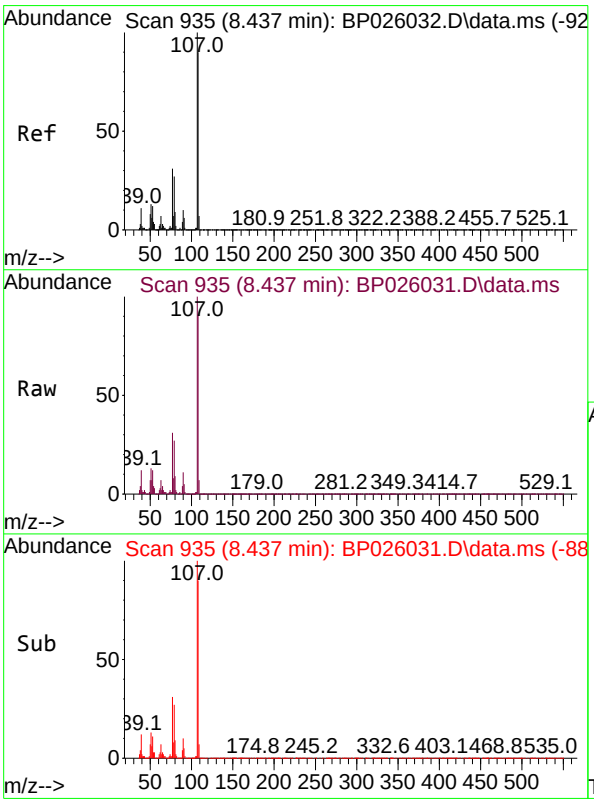
Ion	Ratio	Lower	Upper
70	100		
42	59.6	47.2	70.8
101	9.6	8.2	12.2
130	22.1	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

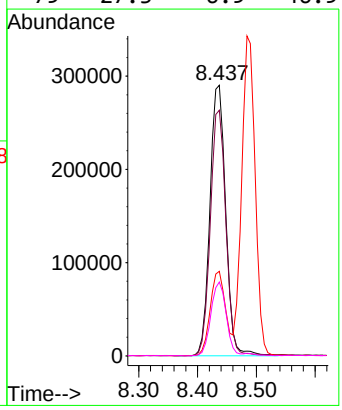
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

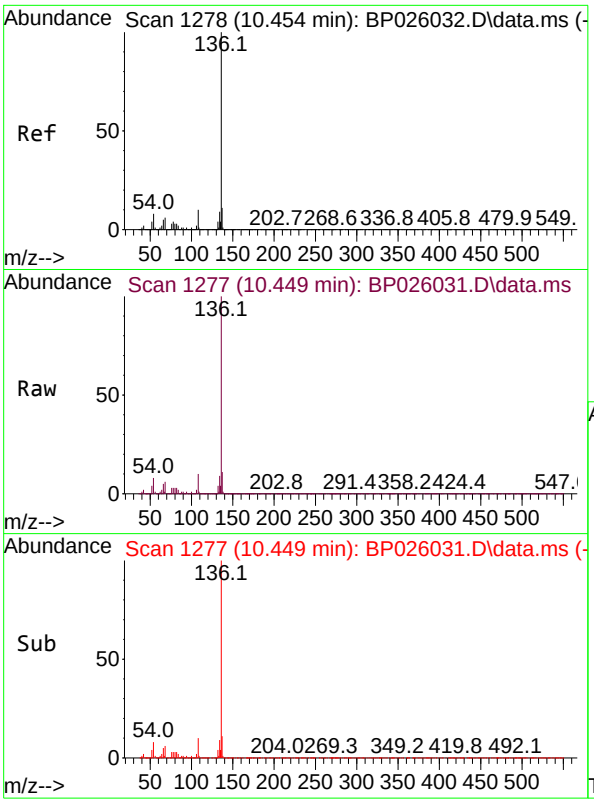


#20
3+4-Methylphenols
Concen: 19.965 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 540688

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.1	110.1
77	31.3	10.7	50.7
79	27.3	6.9	46.9

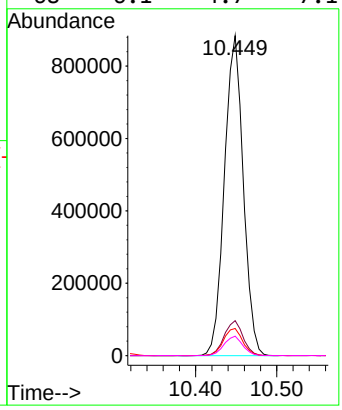




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:136 Resp: 142604

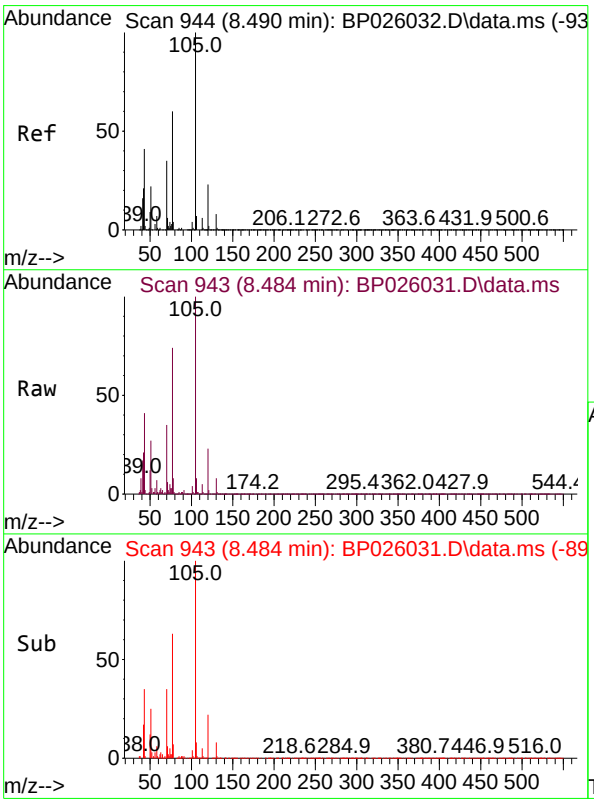
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	6.6	10.0
68	6.1	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

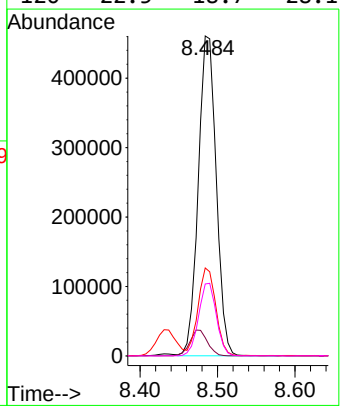
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

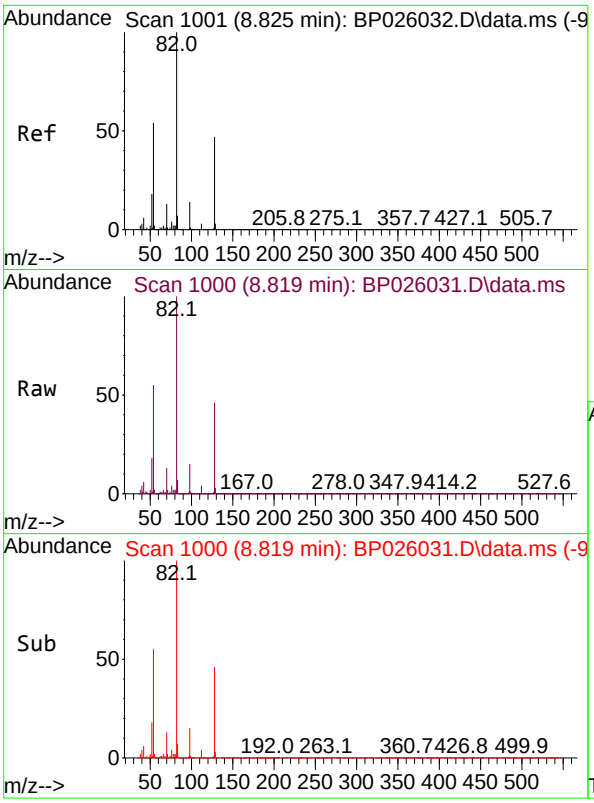


#22
Acetophenone
Concen: 20.505 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:105 Resp: 739513

Ion	Ratio	Lower	Upper
105	100		
71	5.7	4.7	7.1
51	27.5	21.8	32.8
120	22.5	18.7	28.1

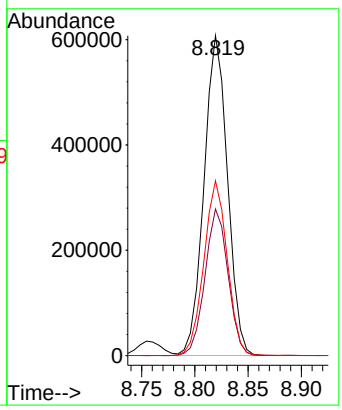




#23
Nitrobenzene-d5
Concen: 40.712 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 82 Resp: 93130

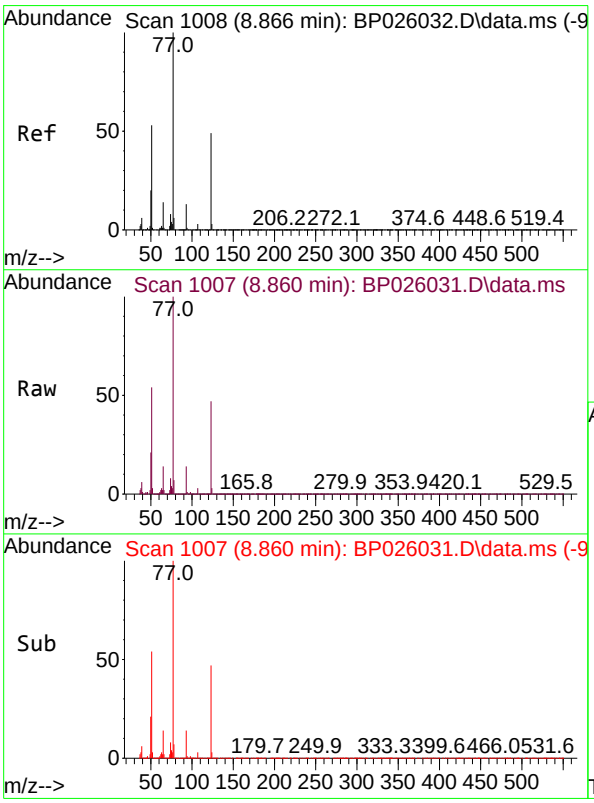
Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.4	56.0
54	54.6	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

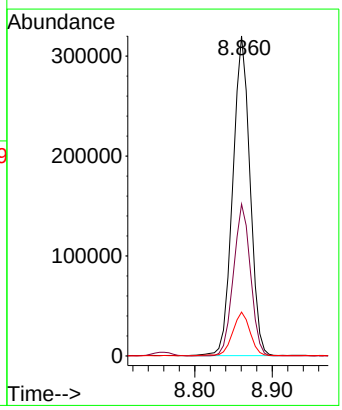
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

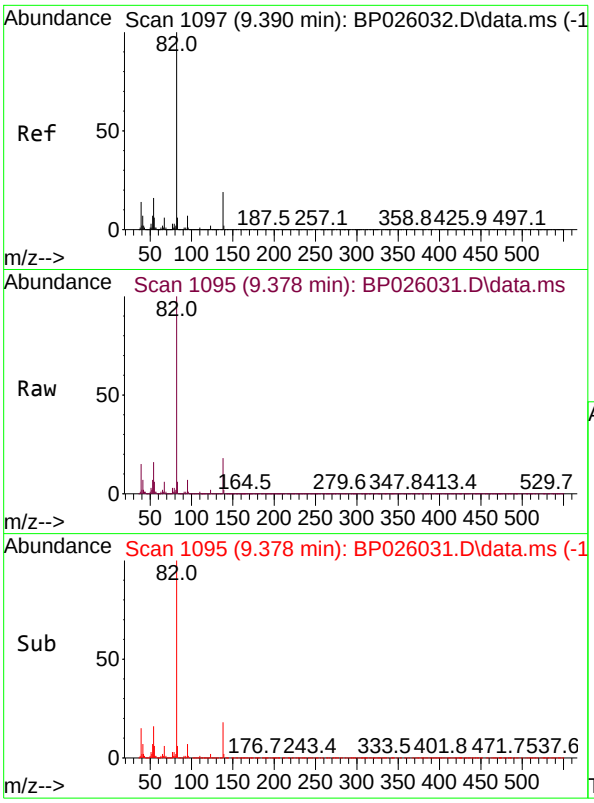


#24
Nitrobenzene
Concen: 20.407 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 492888

Ion	Ratio	Lower	Upper
77	100		
123	47.4	39.0	58.4
65	13.7	10.9	16.3

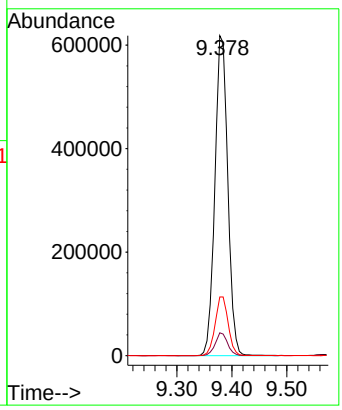




#25
Isophorone
Concen: 20.531 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 82 Resp: 100523

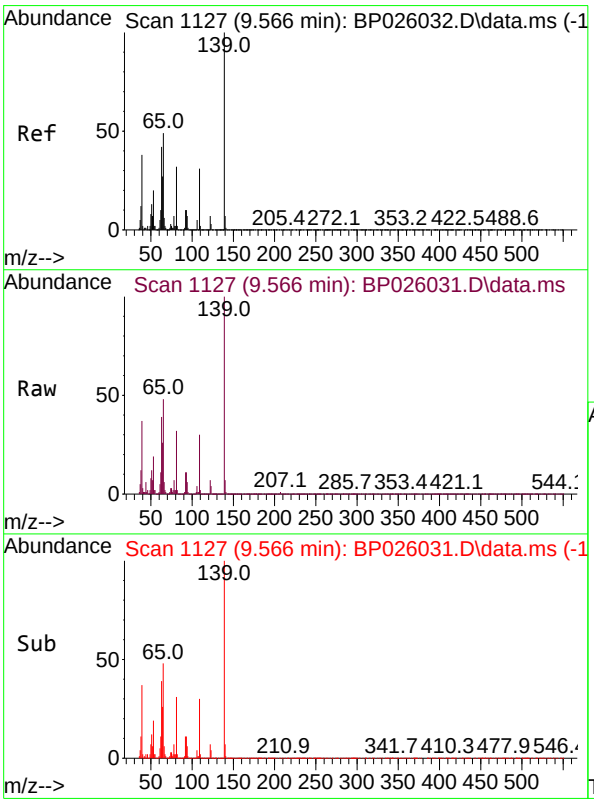
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.3	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

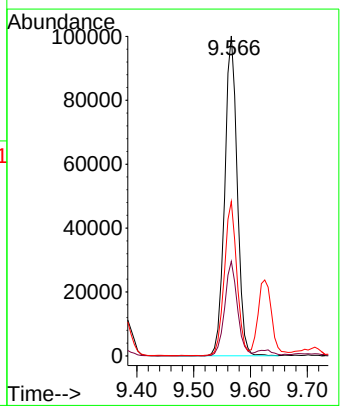
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

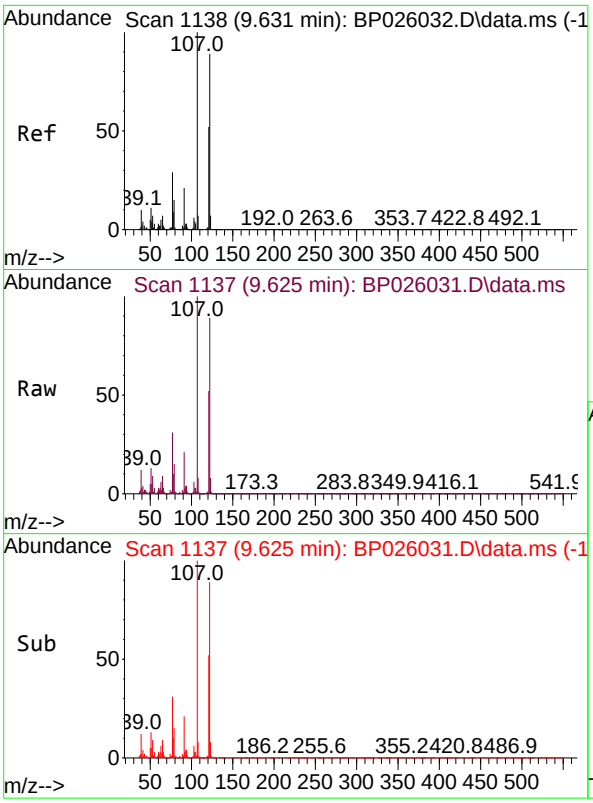


#26
2-Nitrophenol
Concen: 18.908 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:139 Resp: 152813

Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.8	37.2
65	48.2	39.0	58.4

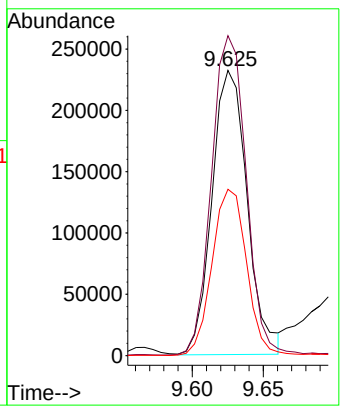




#27
2,4-Dimethylphenol
Concen: 19.481 ng
RT: 9.625 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:122 Resp: 401111

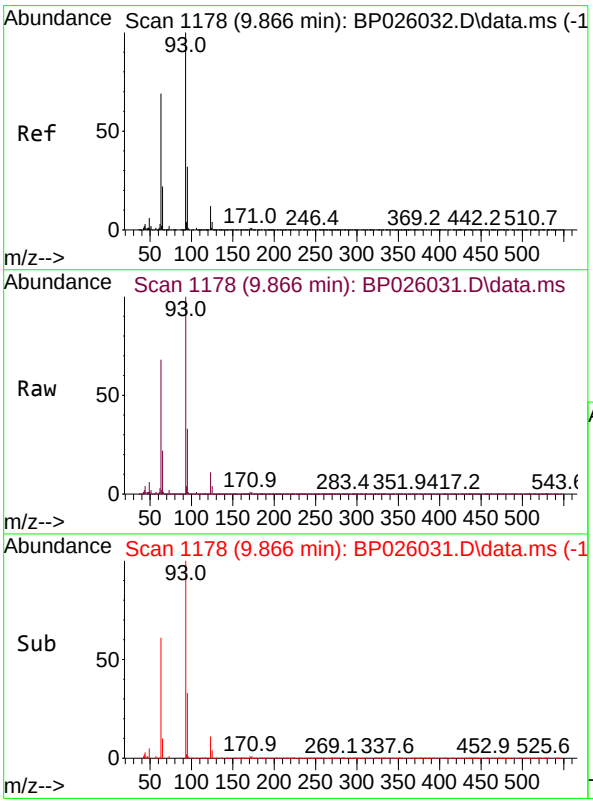
Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.2	133.8
121	58.3	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

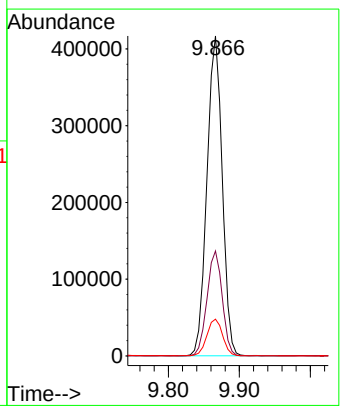
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

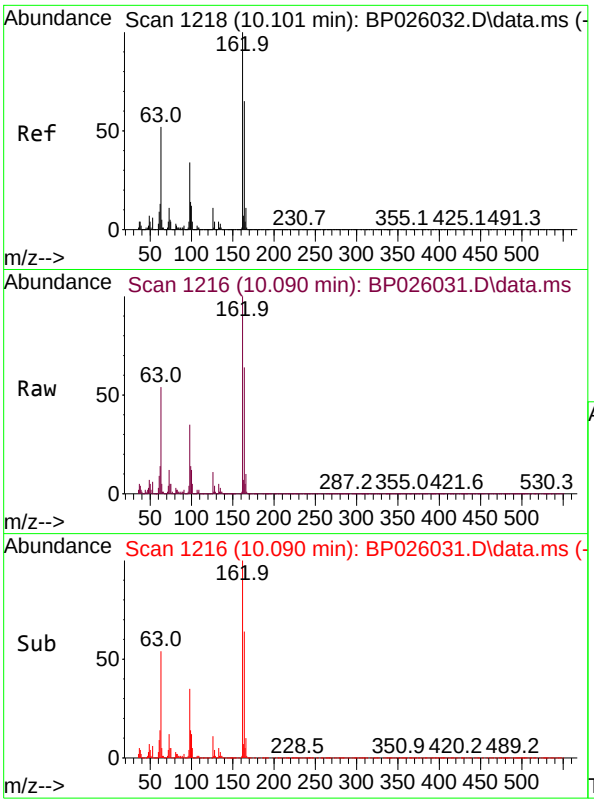


#28
bis(2-Chloroethoxy)methane
Concen: 20.157 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 93 Resp: 622000

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.5	9.3	13.9

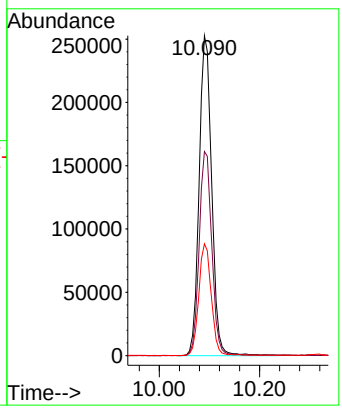




#29
2,4-Dichlorophenol
Concen: 20.189 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:162 Resp: 43890

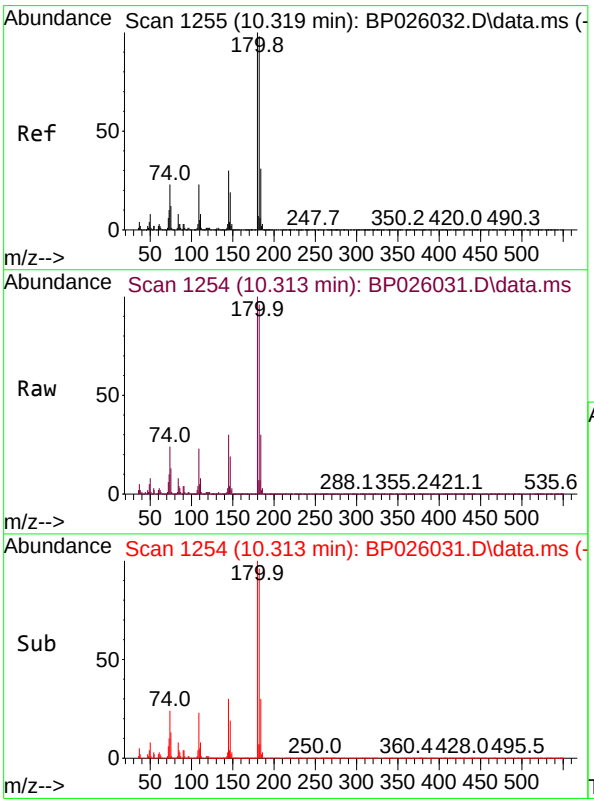
Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.6	84.6
98	34.9	14.0	54.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

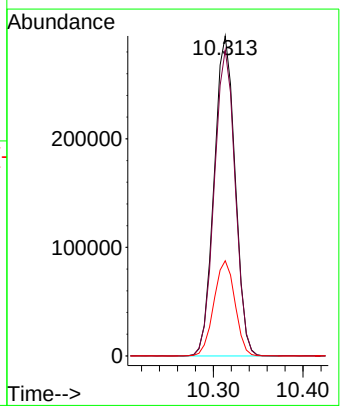
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

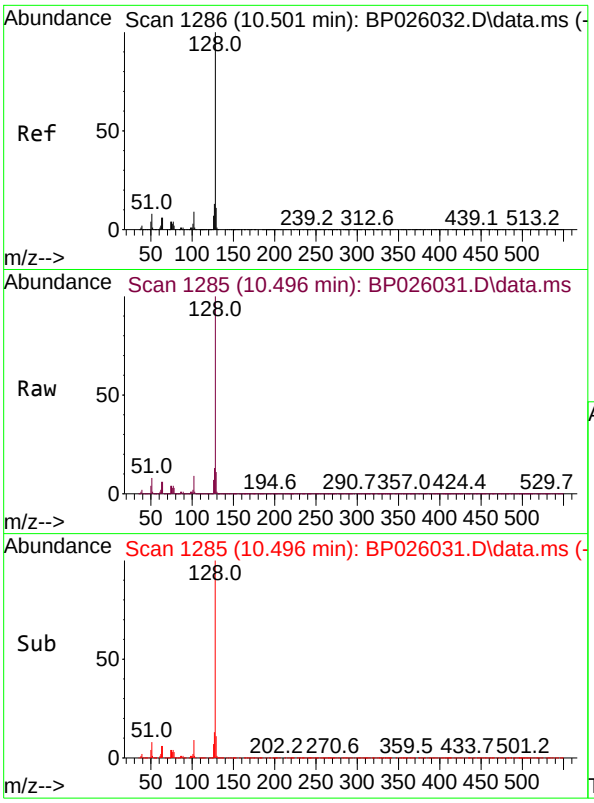


#30
1,2,4-Trichlorobenzene
Concen: 20.315 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:180 Resp: 480041

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.6	117.8
145	29.7	24.2	36.4

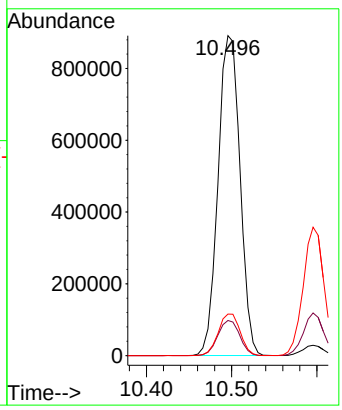




#31
Naphthalene
Concen: 20.560 ng
RT: 10.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:128 Resp: 159886

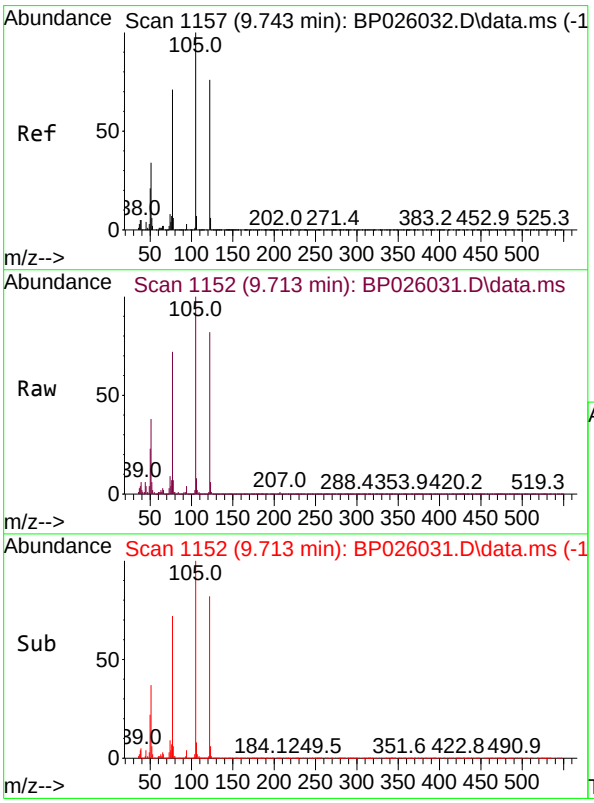
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

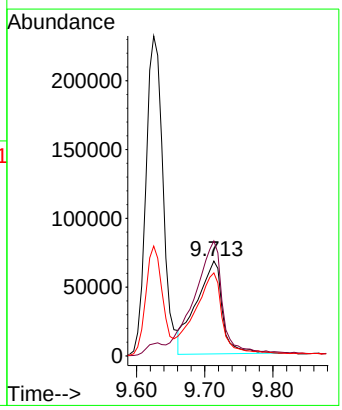
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

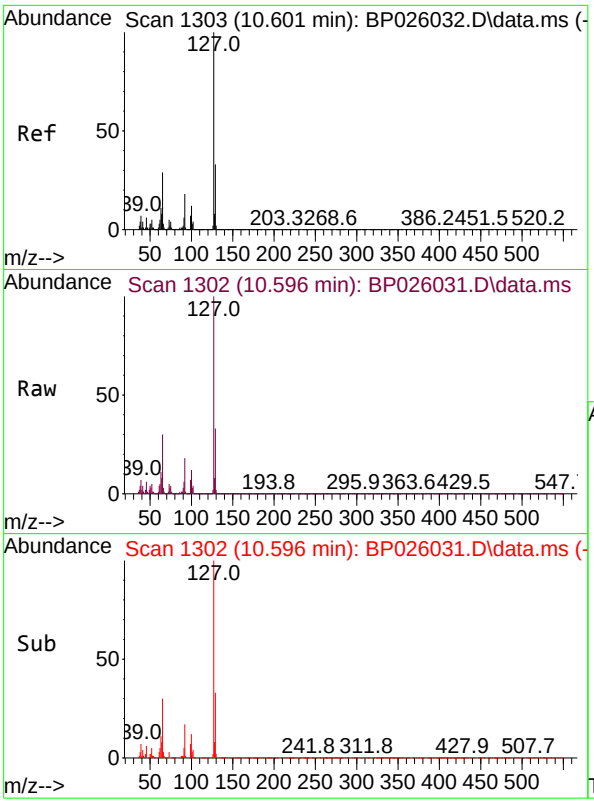


#32
Benzoic acid
Concen: 19.682 ng
RT: 9.713 min Scan# 1152
Delta R.T. -0.065 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:122 Resp: 181442

Ion	Ratio	Lower	Upper
122	100		
105	121.3	104.8	144.8
77	87.6	70.9	110.9

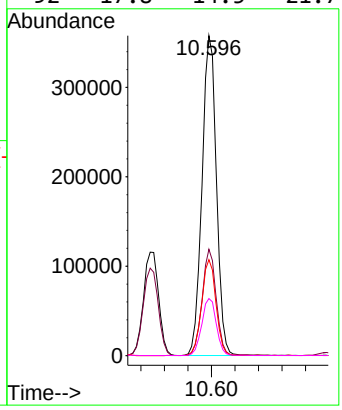




#33
4-Chloroaniline
Concen: 20.383 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:127 Resp: 60911

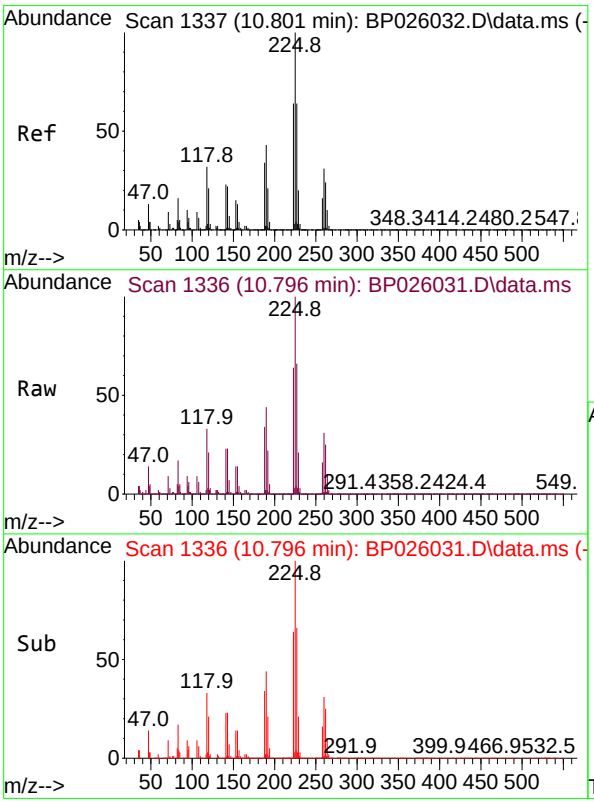
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.0	39.0
65	30.0	23.2	34.8
92	17.8	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

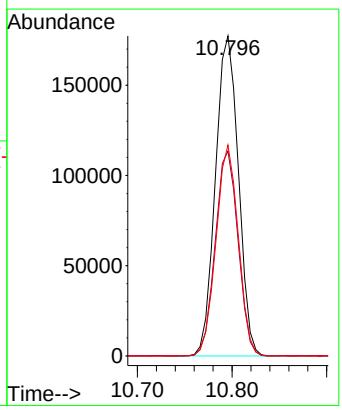
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

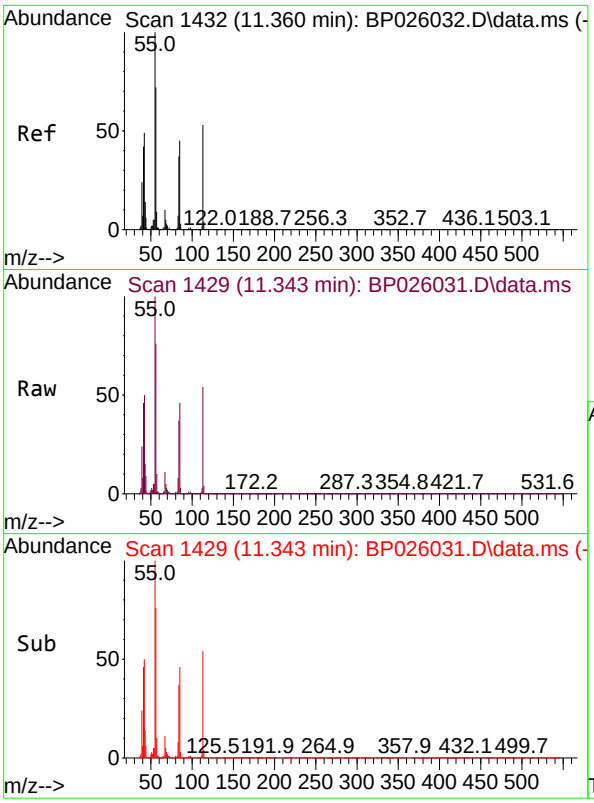


#34
Hexachlorobutadiene
Concen: 19.881 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:225 Resp: 298535

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.9	76.3
227	65.9	51.0	76.4

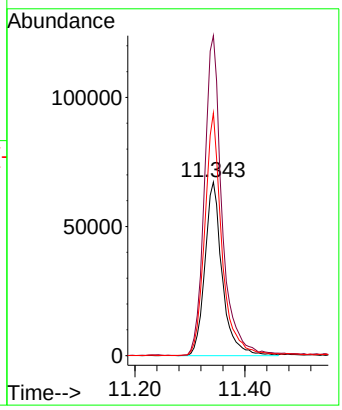




#35
Caprolactam
Concen: 19.234 ng
RT: 11.343 min Scan# 14
Delta R.T. -0.041 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:113 Resp: 14684

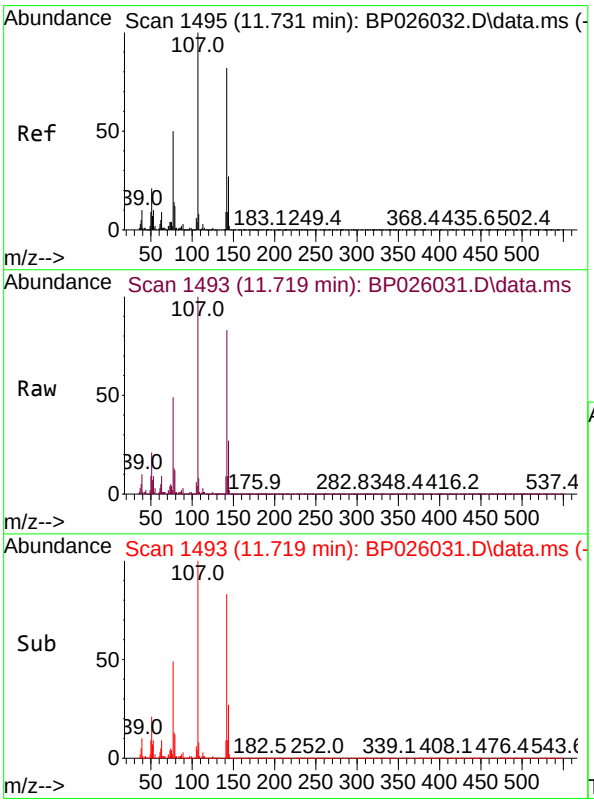
Ion	Ratio	Lower	Upper
113	100		
55	184.5	169.9	209.9
56	139.9	116.7	156.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

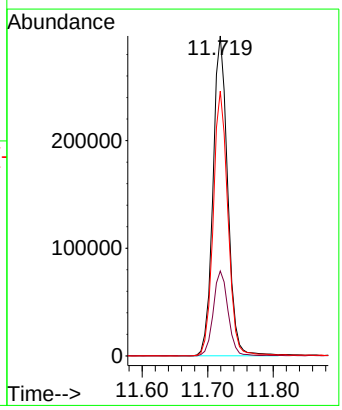
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

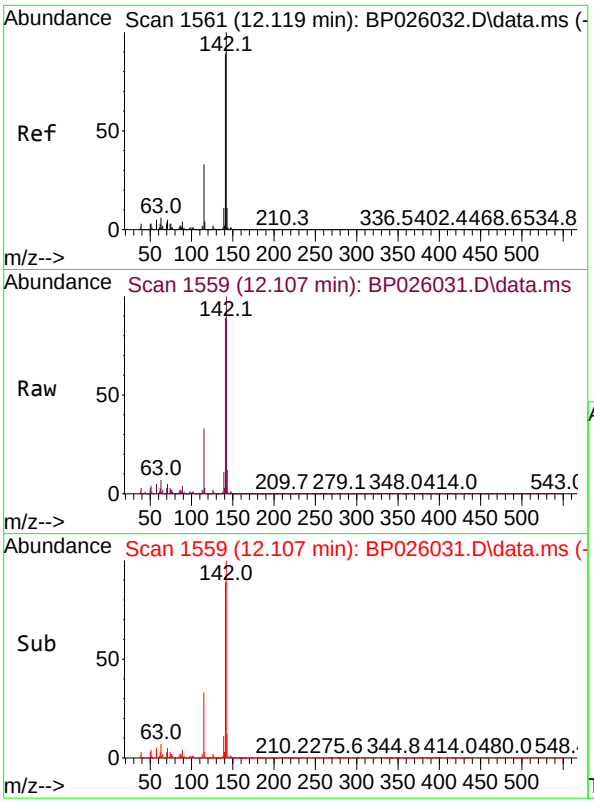


#36
4-Chloro-3-methylphenol
Concen: 20.367 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:107 Resp: 464170

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	82.7	65.2	97.8

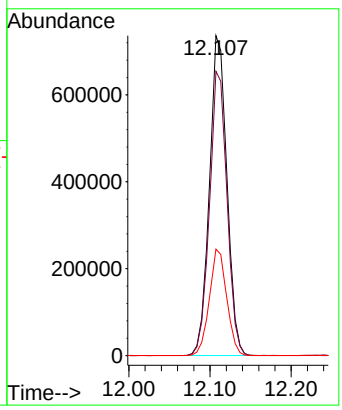




#37
2-Methylnaphthalene
Concen: 20.213 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:142 Resp: 110014

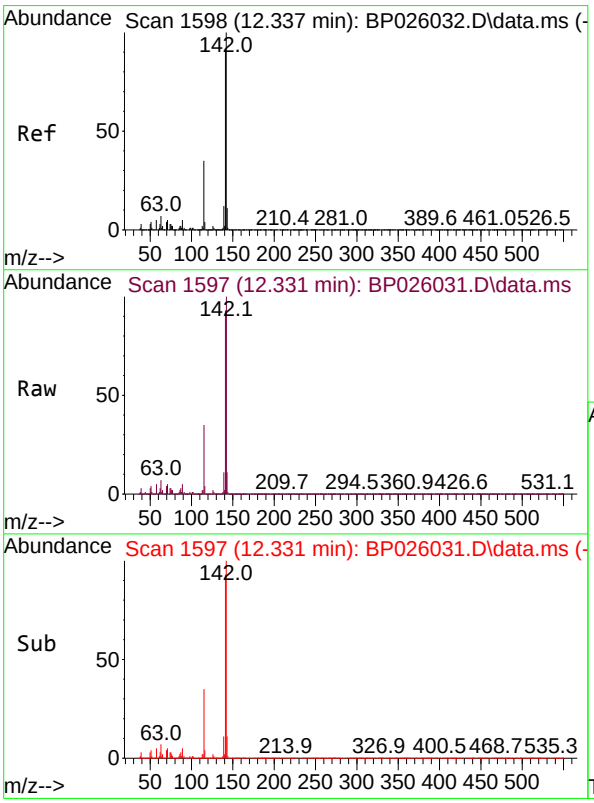
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.6	107.4
115	33.3	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

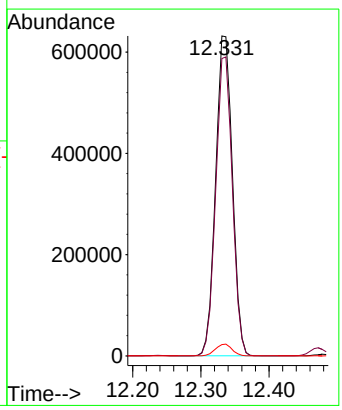
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

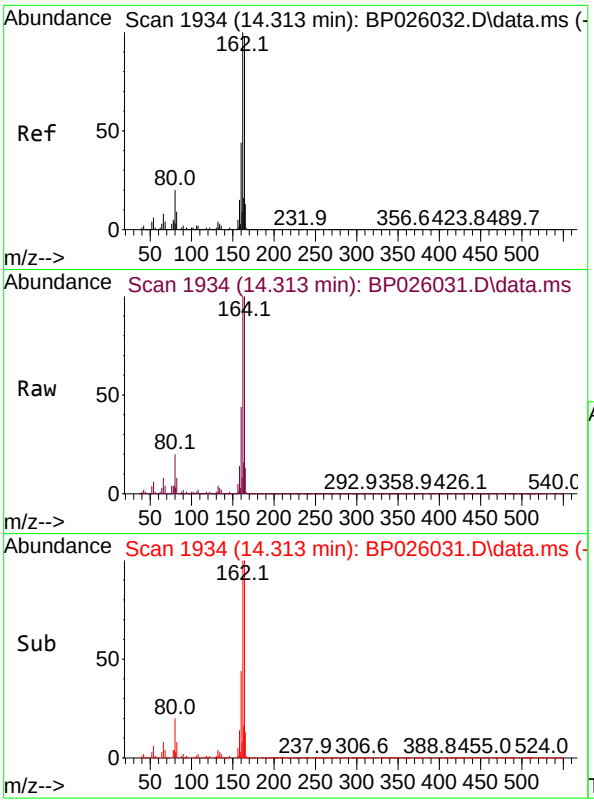


#38
1-Methylnaphthalene
Concen: 20.334 ng
RT: 12.331 min Scan# 1597
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:142 Resp: 1075202

Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.7	109.1
116	3.5	2.9	4.3

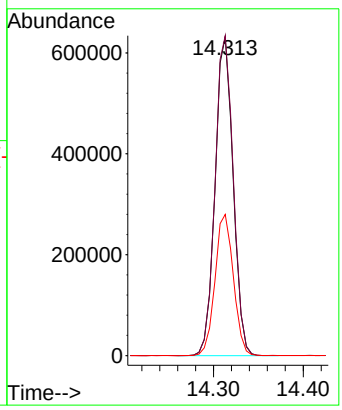




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:164 Resp: 884189

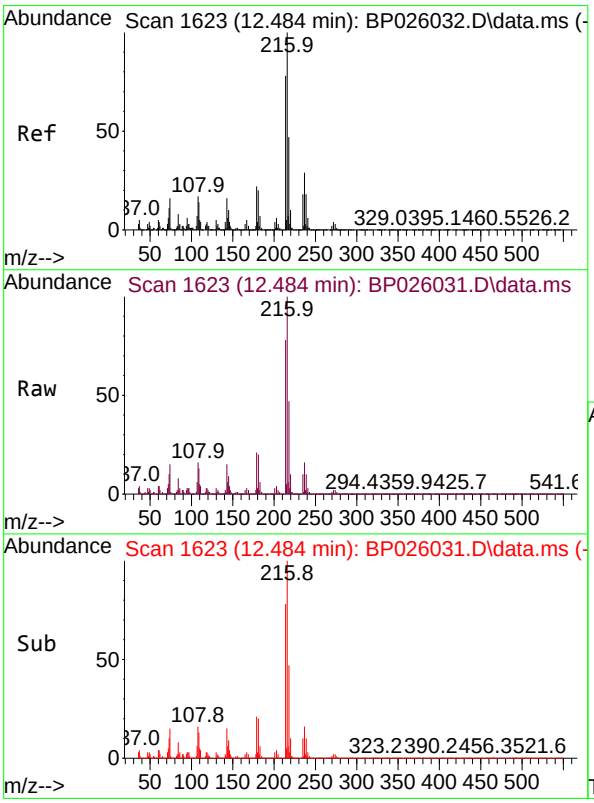
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.5	122.3
160	44.3	36.2	54.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

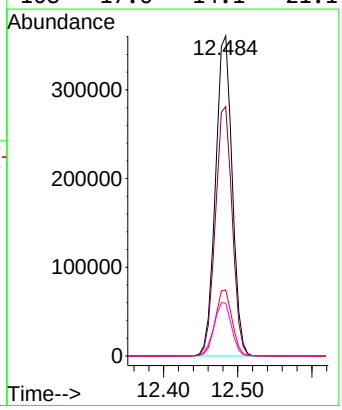
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

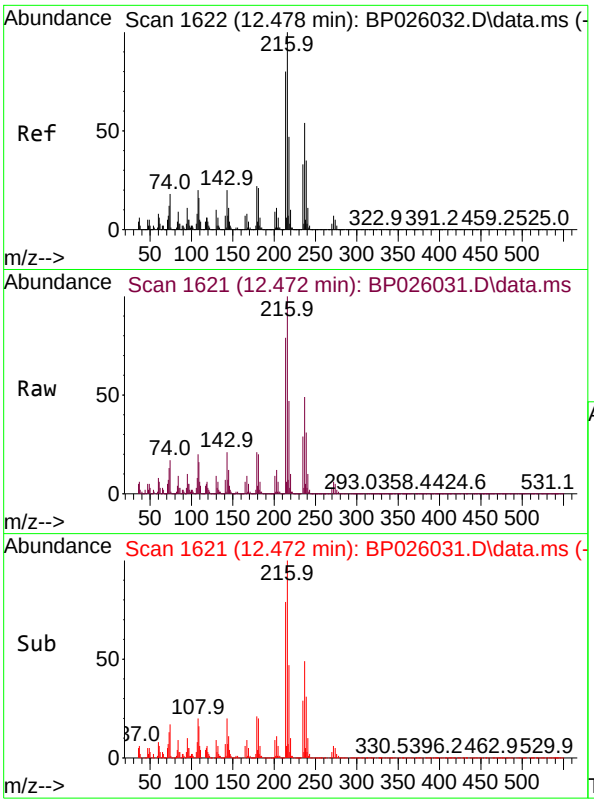


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.486 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:216 Resp: 562803

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.9	94.3
179	20.8	16.9	25.3
108	17.6	14.1	21.1

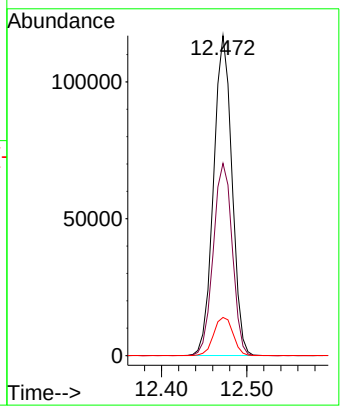




#41
Hexachlorocyclopentadiene
Concen: 17.444 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:237 Resp: 17534

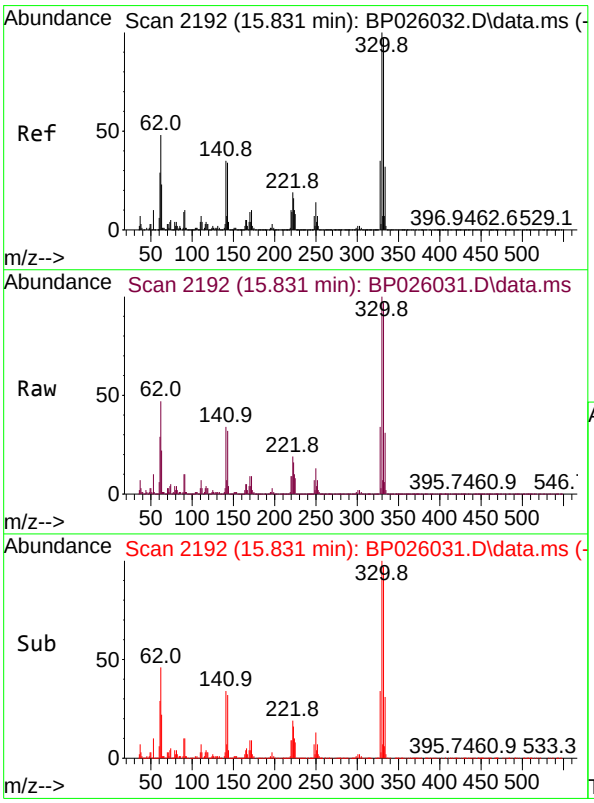
Ion	Ratio	Lower	Upper
237	100		
235	60.1	40.4	80.4
272	11.9	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

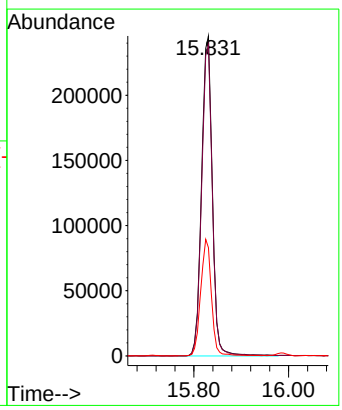
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

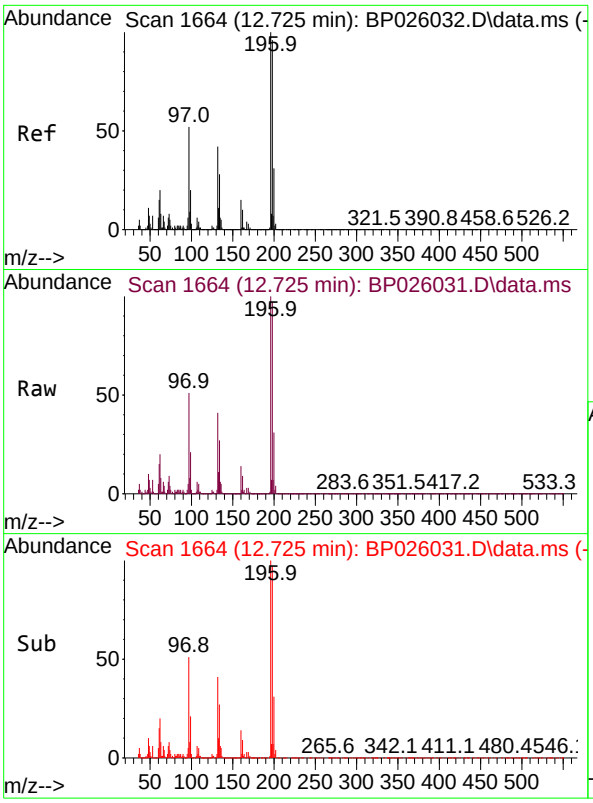


#42
2,4,6-Tribromophenol
Concen: 40.359 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:330 Resp: 385788

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	36.3	28.6	42.8

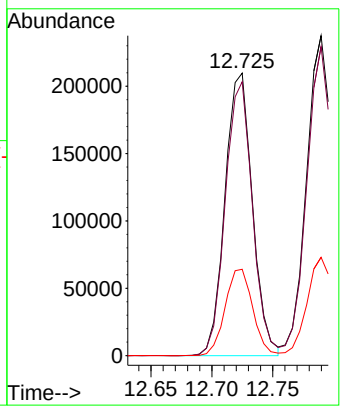




#43
2,4,6-Trichlorophenol
Concen: 20.258 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:196 Resp: 32896

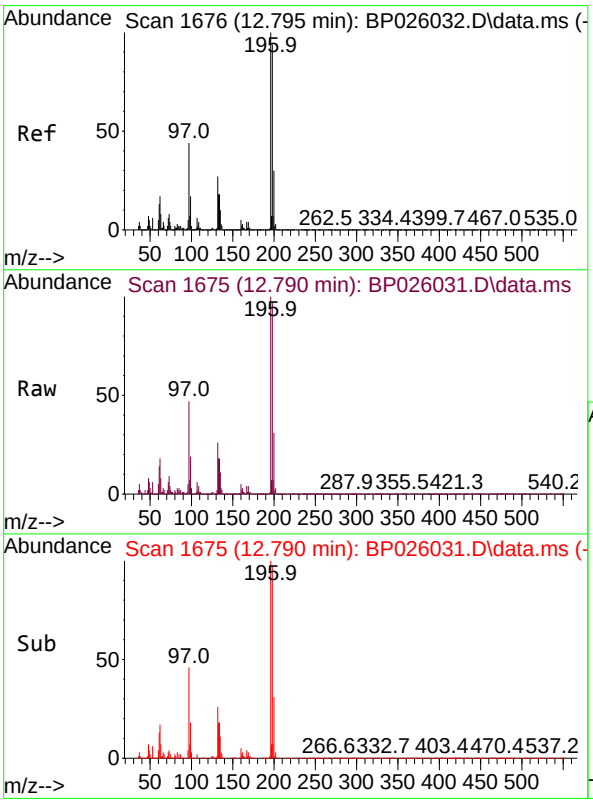
Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.5	114.7
200	30.6	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

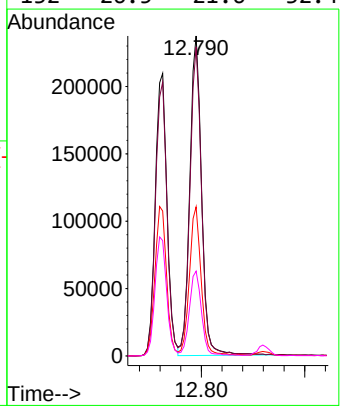
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

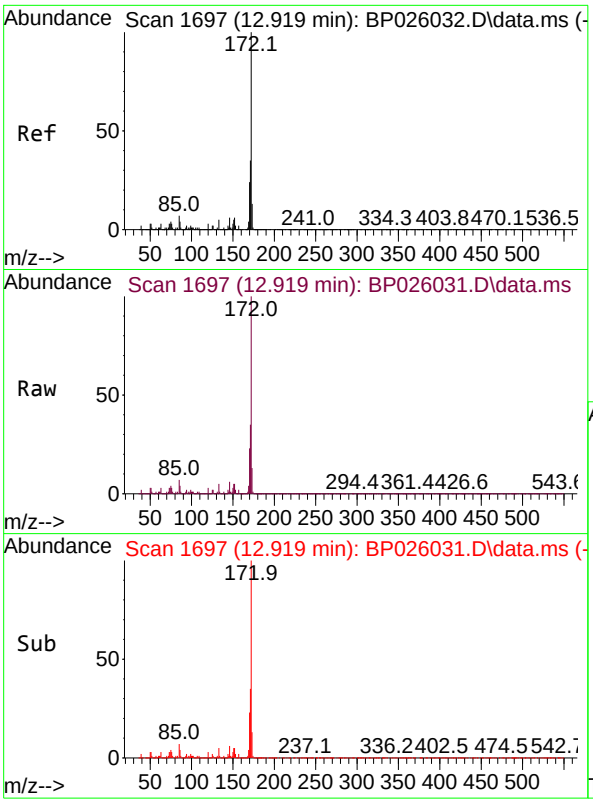


#44
2,4,5-Trichlorophenol
Concen: 20.260 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:196 Resp: 375399

Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.1	112.7
97	46.6	35.5	53.3
132	26.5	21.6	32.4





#45
2-Fluorobiphenyl
Concen: 41.774 ng
RT: 12.919 min Scan# 1(
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

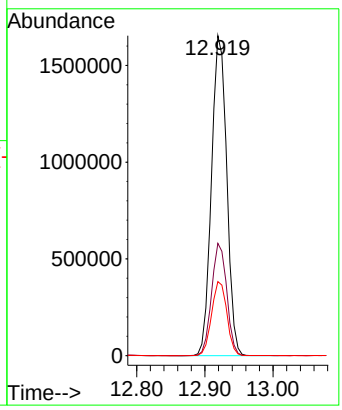
Tgt Ion:172 Resp: 257049

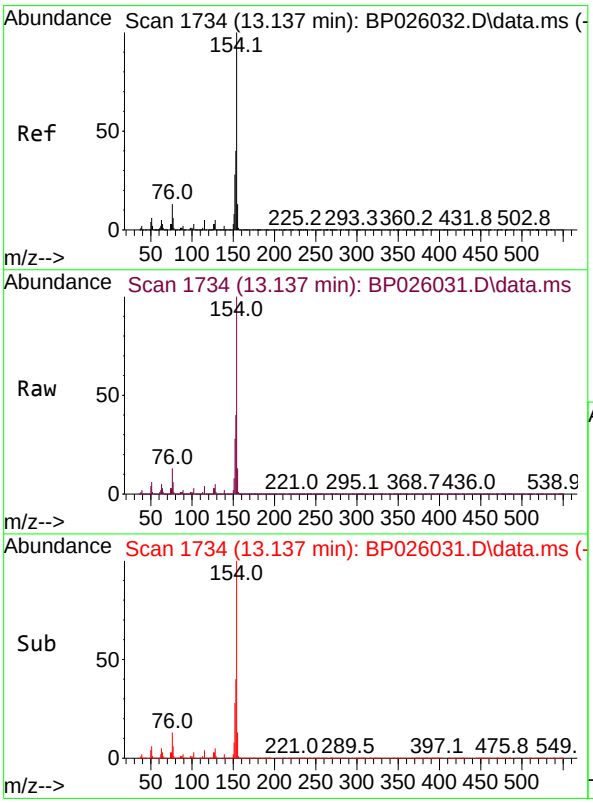
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.1	19.0	28.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

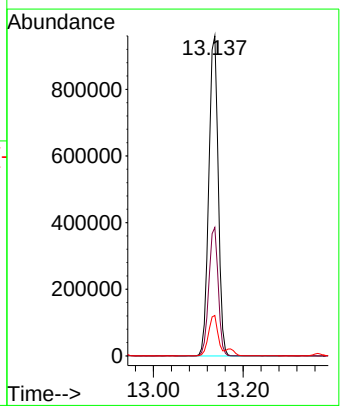


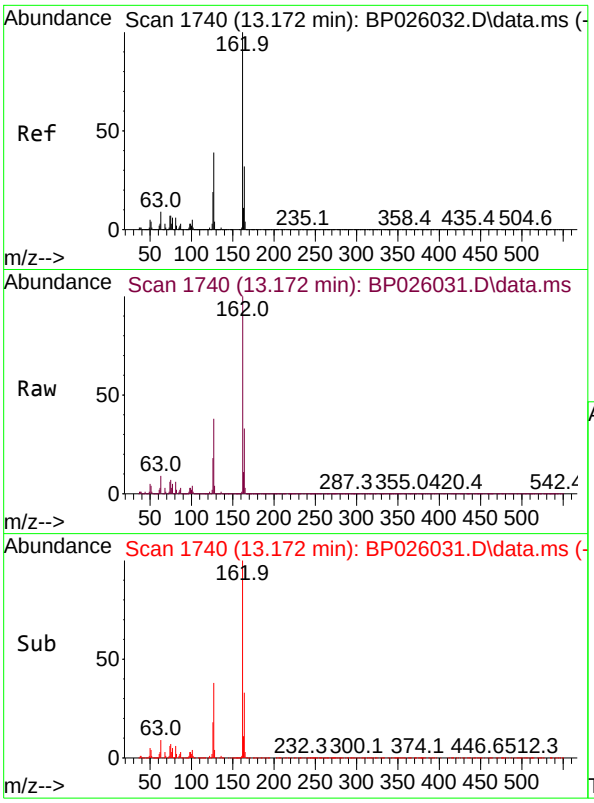


#46
1,1'-Biphenyl
Concen: 20.599 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:154 Resp: 1394592

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.6	0.0	32.8

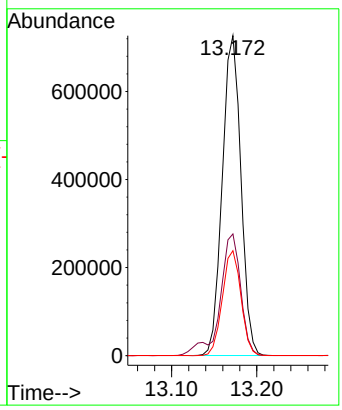




#47
2-Chloronaphthalene
Concen: 20.709 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:162 Resp: 110311

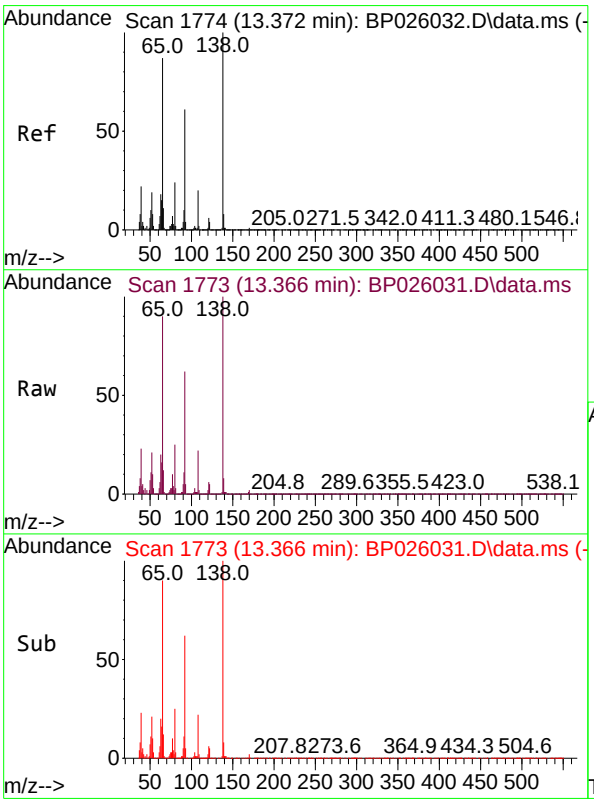
Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.4	47.2
164	32.8	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

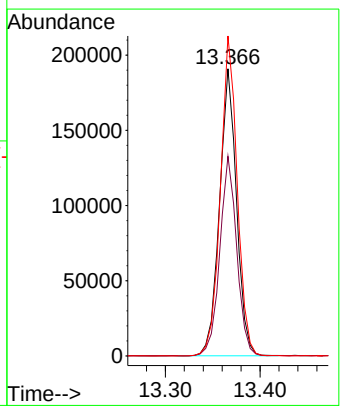
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

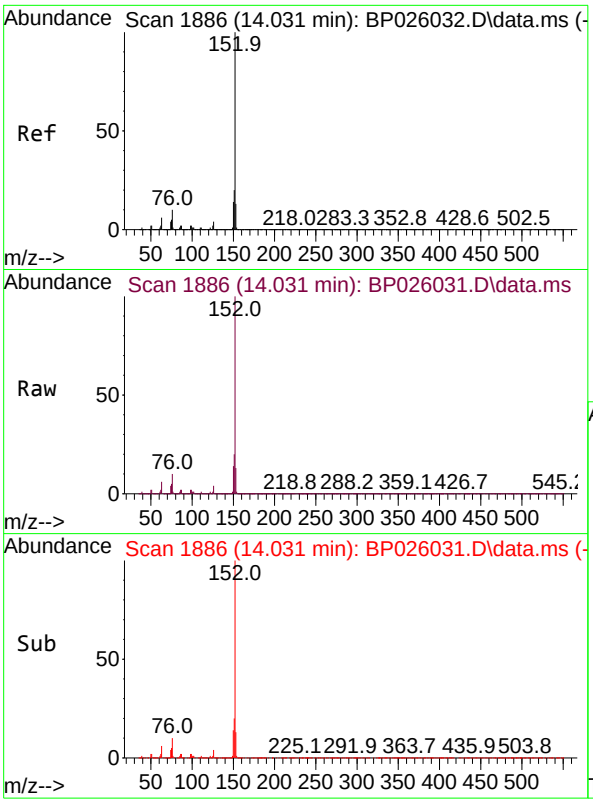


#48
2-Nitroaniline
Concen: 19.391 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 65 Resp: 237733

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.5	83.3
138	111.5	91.7	137.5

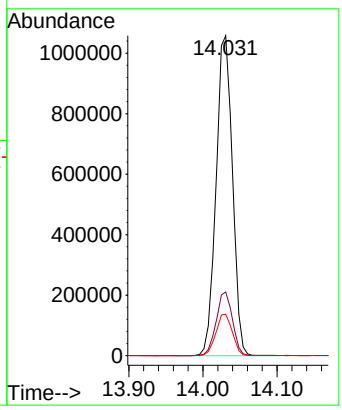




#49
Acenaphthylene
Concen: 20.863 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:152 Resp: 161977

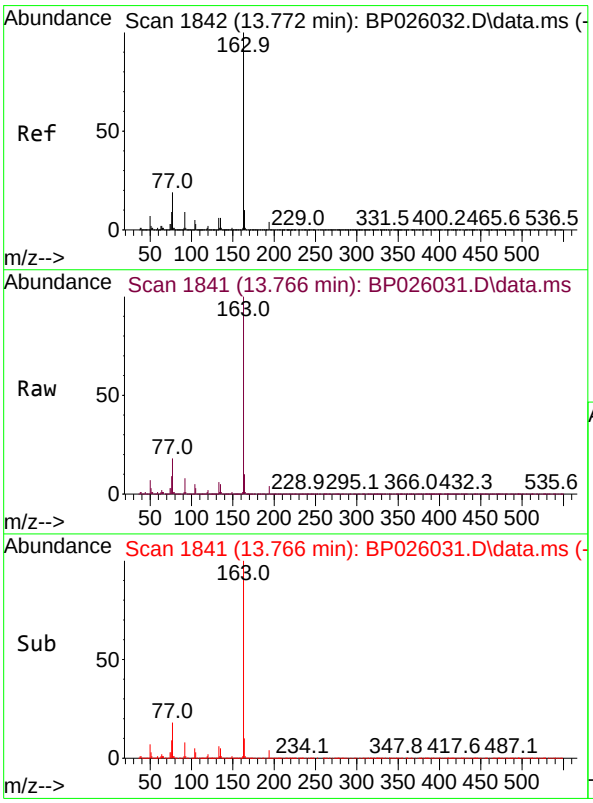
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

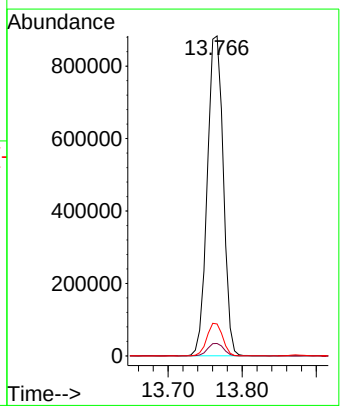
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

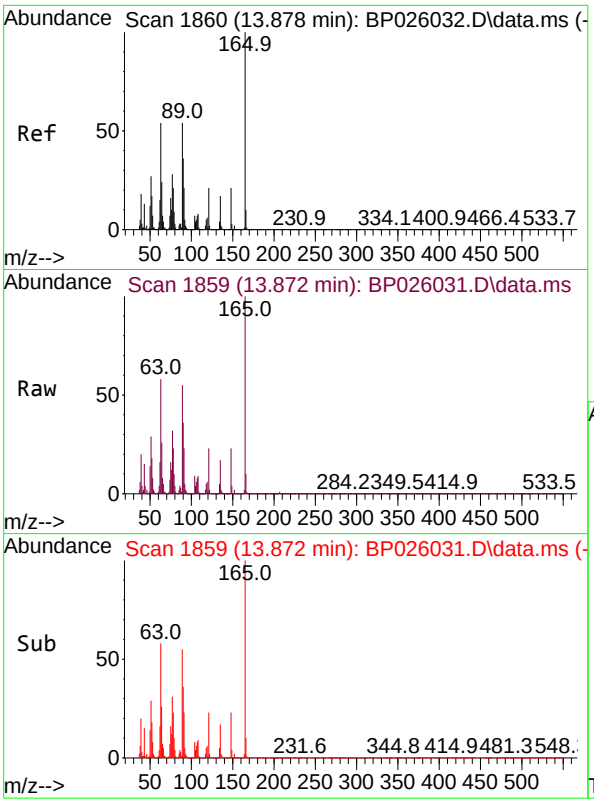


#50
Dimethylphthalate
Concen: 20.496 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:163 Resp: 1318220

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	8.2	12.2

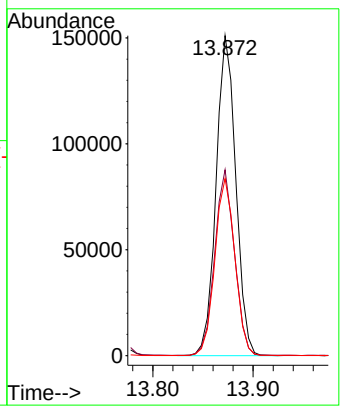




#51
2,6-Dinitrotoluene
Concen: 19.266 ng
RT: 13.872 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:165 Resp: 206491

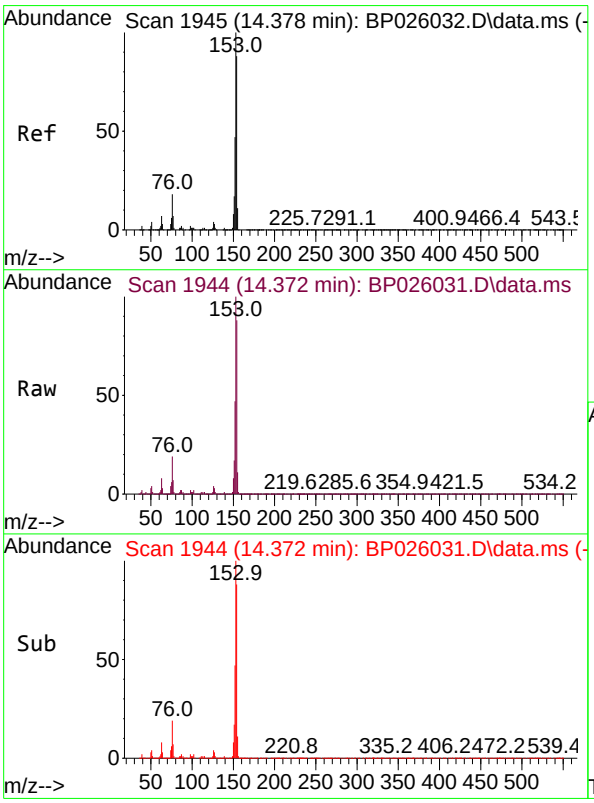
Ion	Ratio	Lower	Upper
165	100		
63	58.1	43.0	64.4
89	55.3	43.0	64.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

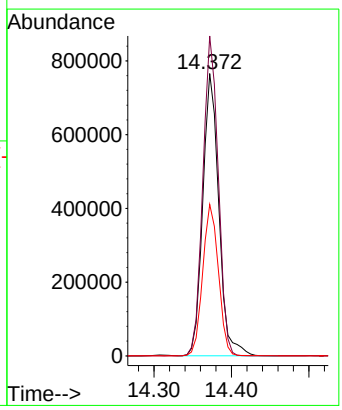
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

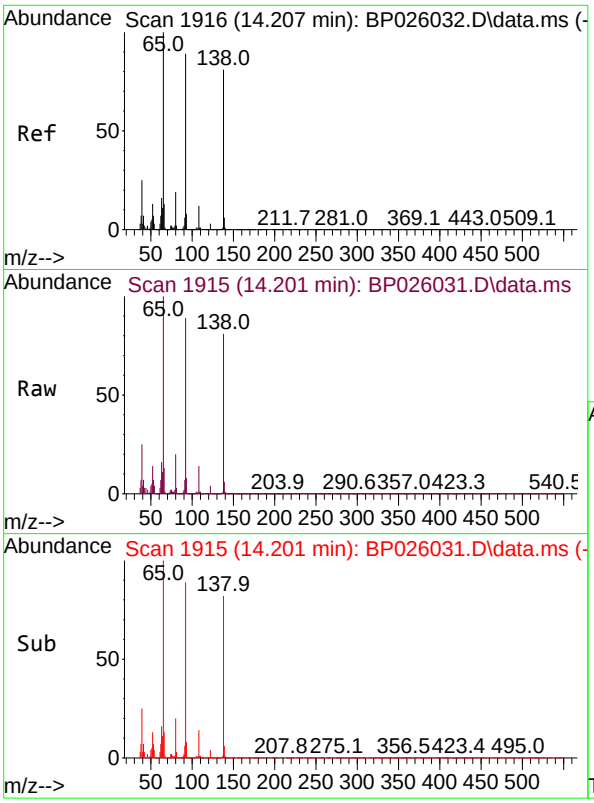


#52
Acenaphthene
Concen: 20.678 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:154 Resp: 1102148

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.0	136.4
152	53.7	42.7	64.1

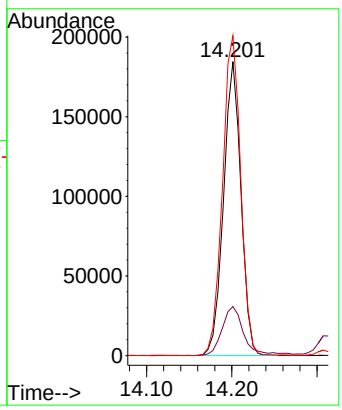




#53
3-Nitroaniline
Concen: 19.720 ng
RT: 14.201 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:138 Resp: 261900

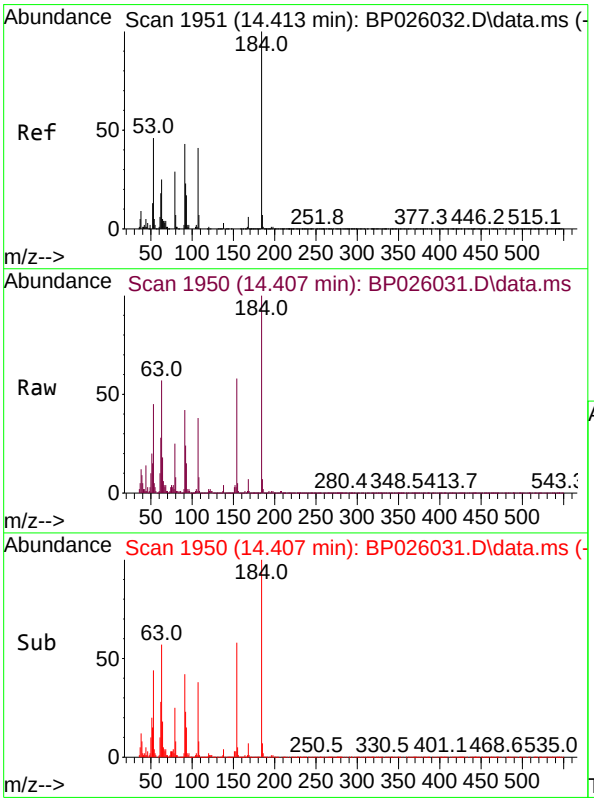
Ion	Ratio	Lower	Upper
138	100		
108	16.7	11.4	17.0
92	108.8	87.1	130.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

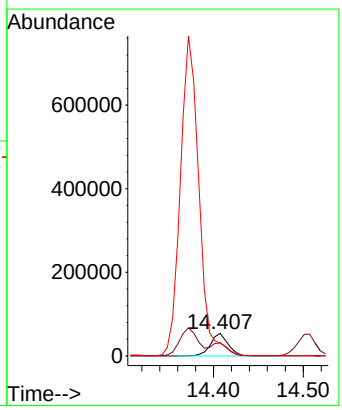
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

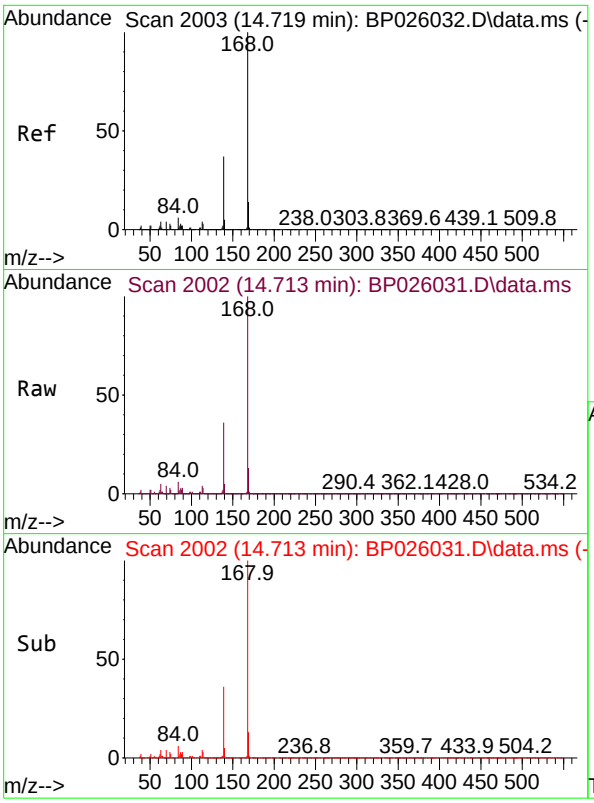


#54
2,4-Dinitrophenol
Concen: 20.106 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:184 Resp: 72866

Ion	Ratio	Lower	Upper
184	100		
63	57.3	49.0	73.4
154	57.6	51.0	76.6

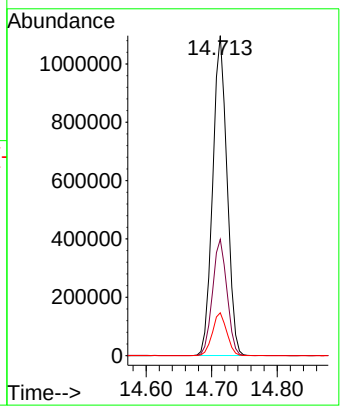




#55
Dibenzofuran
Concen: 20.703 ng
RT: 14.713 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:168 Resp: 166718

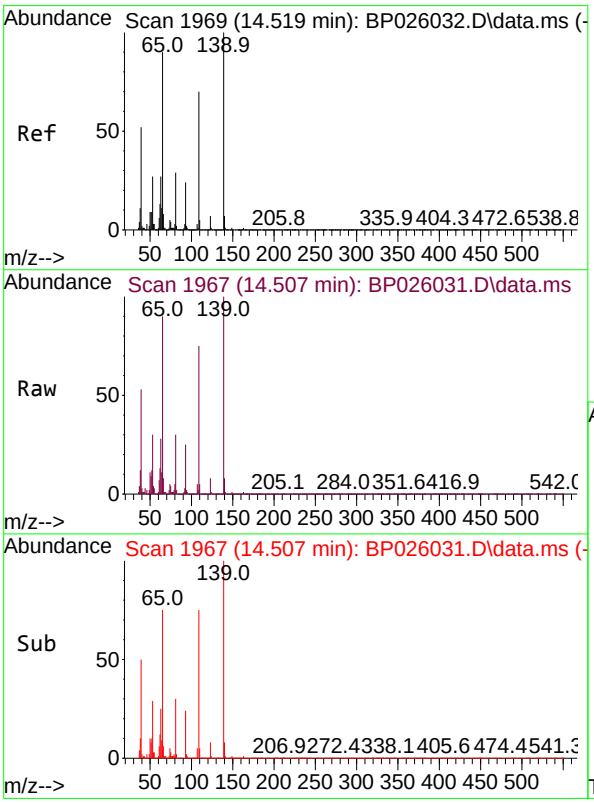
Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.7	44.5
169	13.4	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

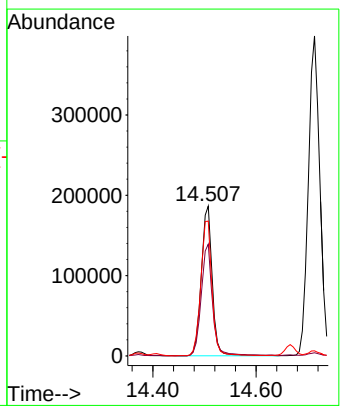
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

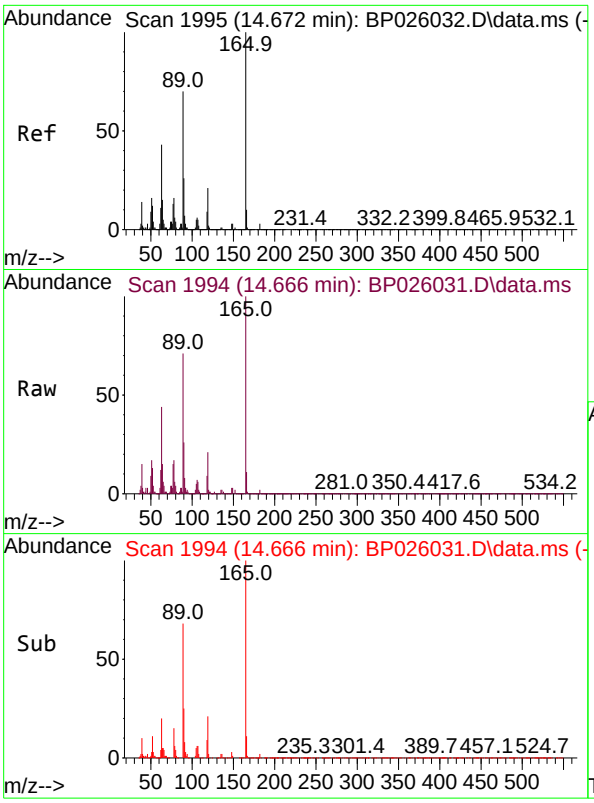


#56
4-Nitrophenol
Concen: 21.327 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:139 Resp: 273512

Ion	Ratio	Lower	Upper
139	100		
109	74.6	50.0	90.0
65	90.0	69.6	109.6

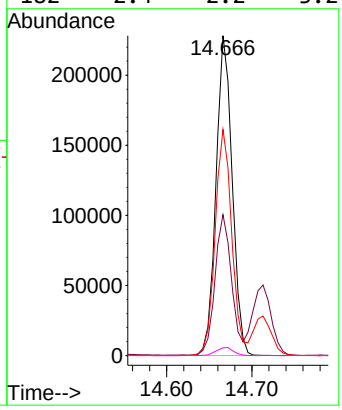




#57
2,4-Dinitrotoluene
Concen: 19.242 ng
RT: 14.666 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:165 Resp: 30069

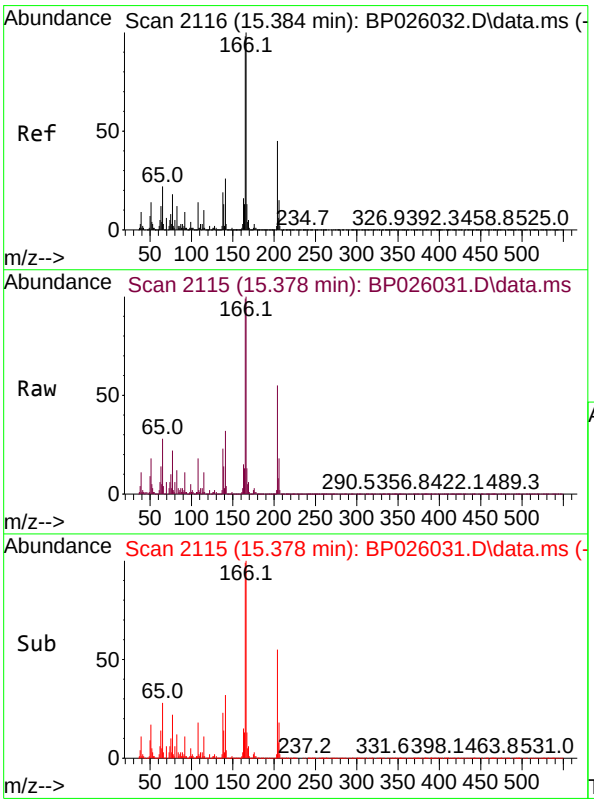
Ion	Ratio	Lower	Upper
165	100		
63	44.0	34.2	51.2
89	70.7	56.0	84.0
182	2.4	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

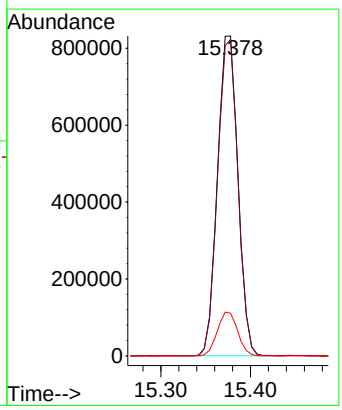
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

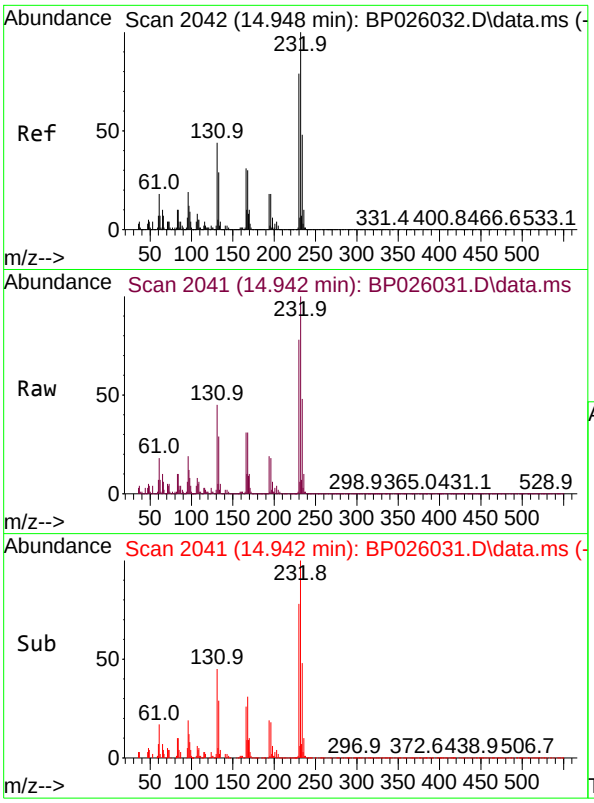


#58
Fluorene
Concen: 21.030 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:166 Resp: 1326773

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.1	117.1
167	13.3	10.6	16.0

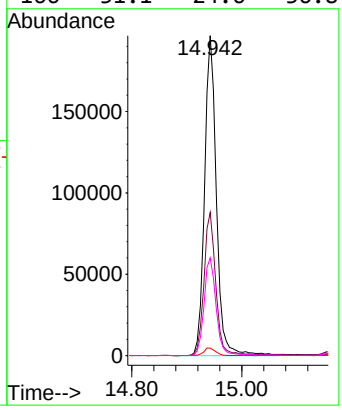




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.145 ng
RT: 14.942 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:232 Resp: 29349

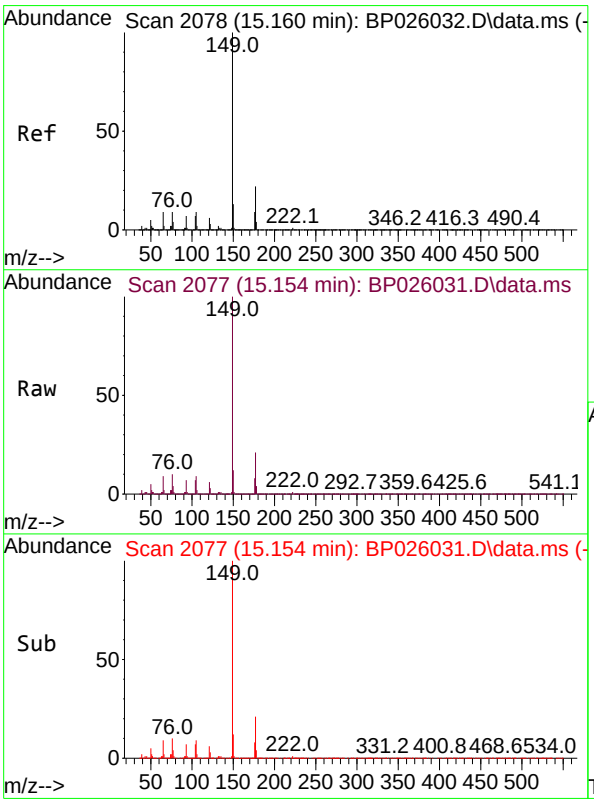
Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.2	52.8
130	2.4	1.7	2.5
166	31.1	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

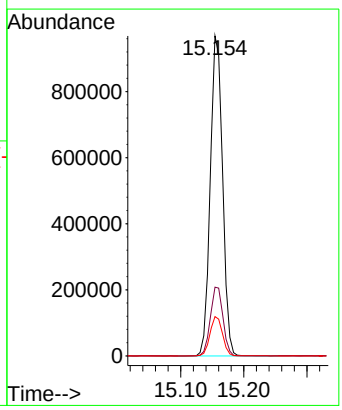
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

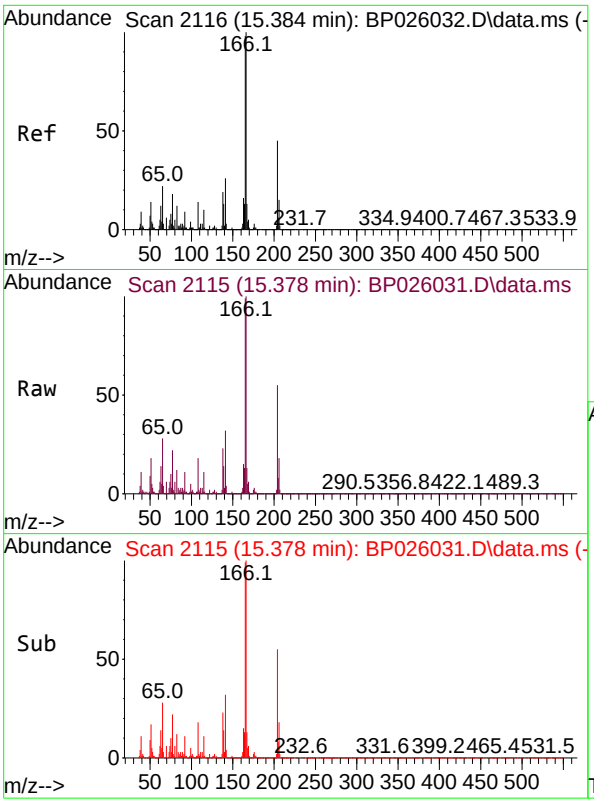


#60
Diethylphthalate
Concen: 20.288 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 1311790

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.3	10.1	15.1

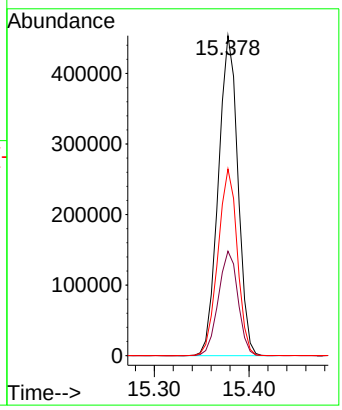




#61
4-Chlorophenyl-phenylether
Concen: 20.656 ng
RT: 15.378 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:204 Resp: 65077

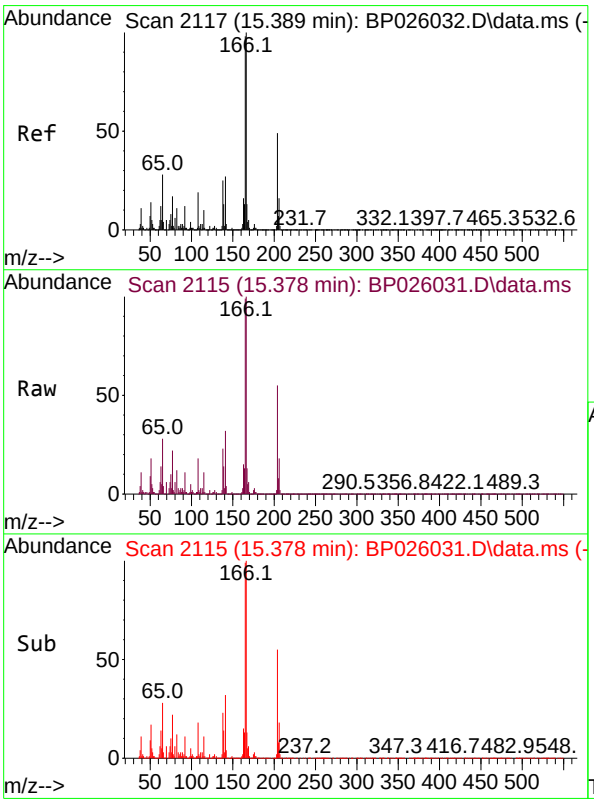
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	58.3	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

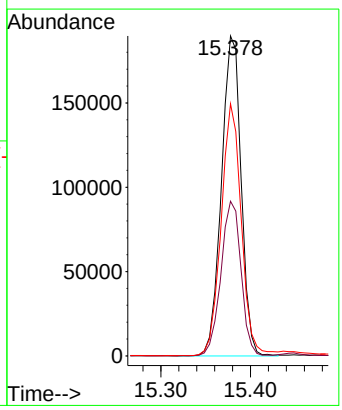
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

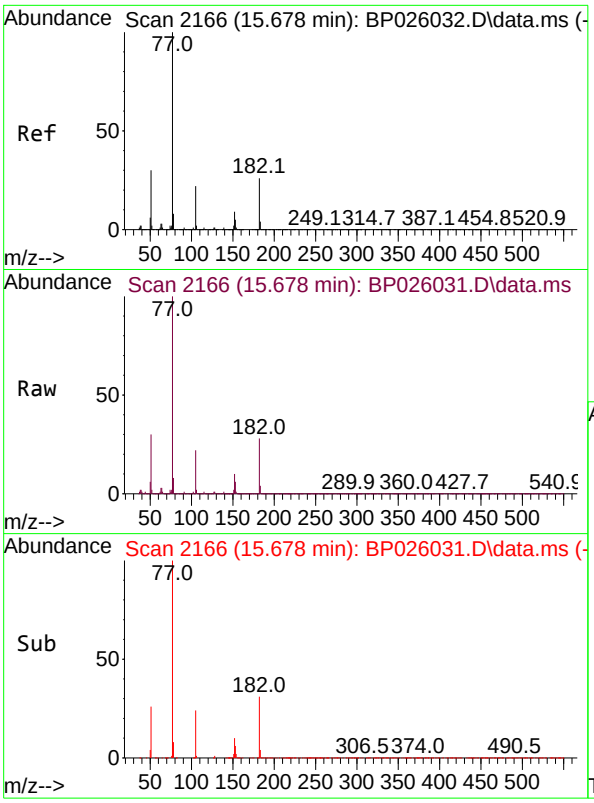


#62
4-Nitroaniline
Concen: 21.112 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.023 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:138 Resp: 290147

Ion	Ratio	Lower	Upper
138	100		
92	48.3	28.2	68.2
108	78.8	56.0	96.0

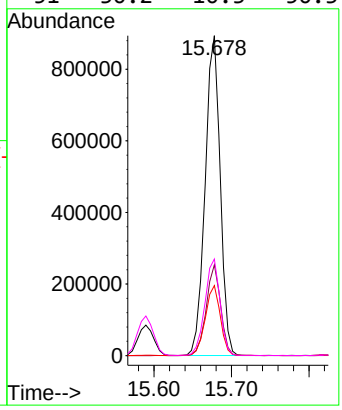




#63
Azobenzene
Concen: 20.597 ng
RT: 15.678 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion: 77 Resp: 120697

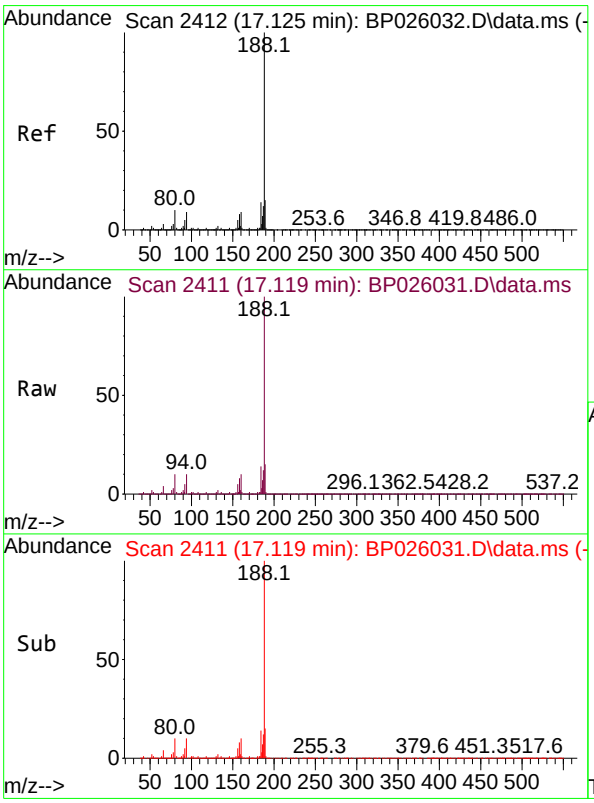
Ion	Ratio	Lower	Upper
77	100		
182	28.4	6.4	46.4
105	21.9	2.2	42.2
51	30.2	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

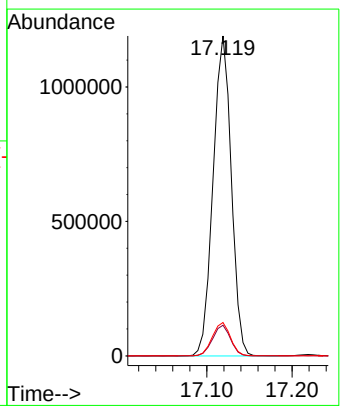
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

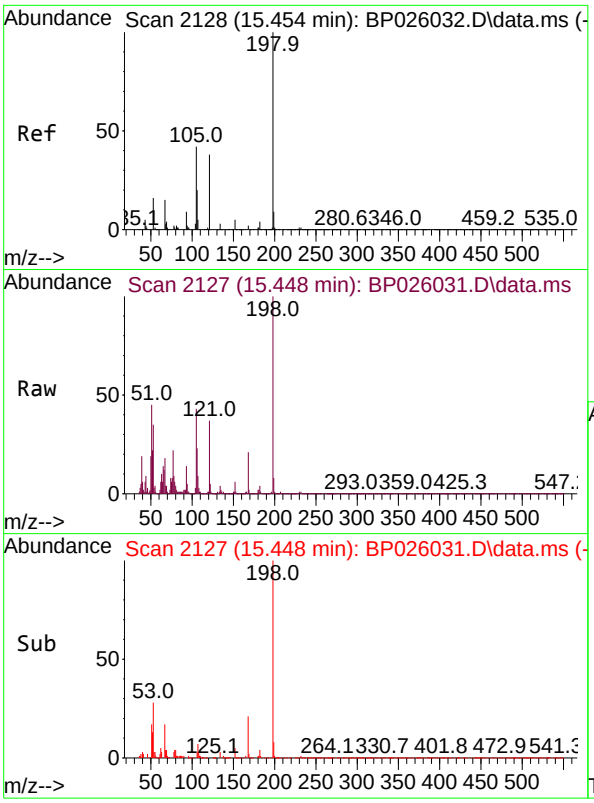


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:188 Resp: 1764983

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.4	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 20.196 ng
RT: 15.448 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

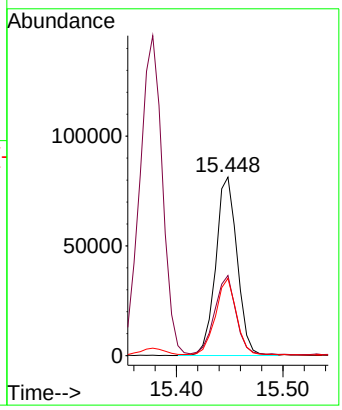
Tgt Ion:198 Resp: 11388

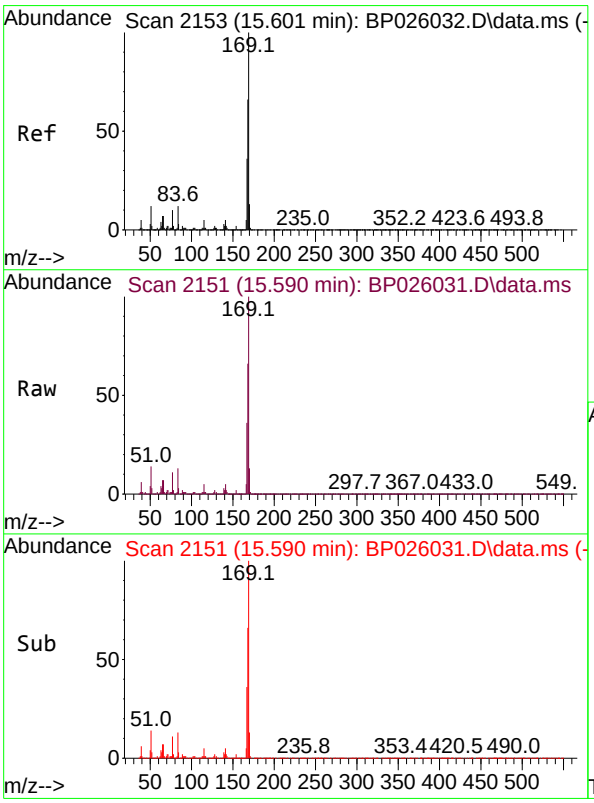
Ion	Ratio	Lower	Upper
198	100		
51	44.8	25.2	65.2
105	43.2	23.7	63.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

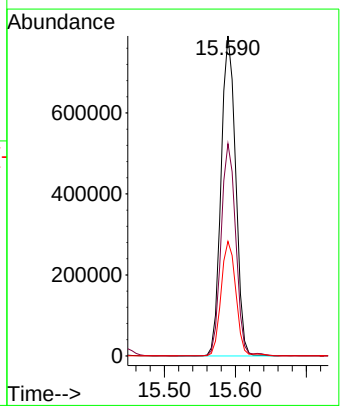


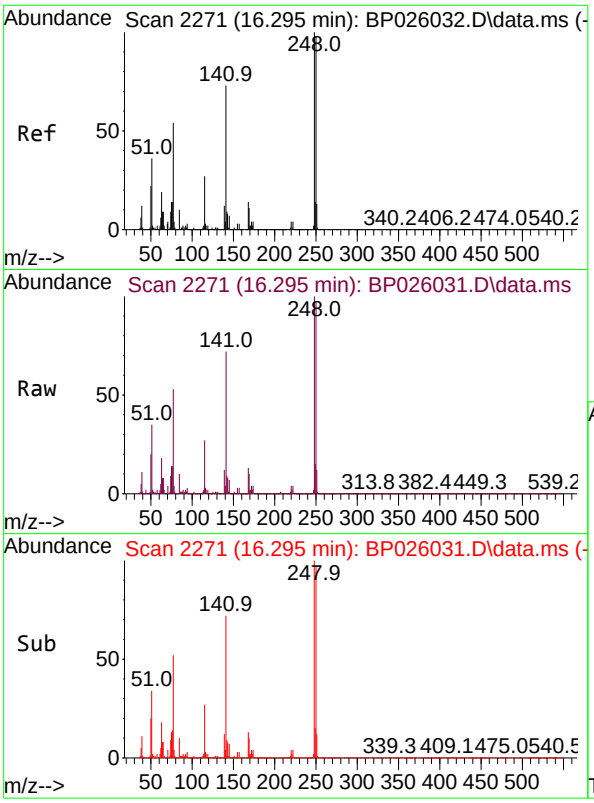


#66
n-Nitrosodiphenylamine
Concen: 20.503 ng
RT: 15.590 min Scan# 2151
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:169 Resp: 1131476

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.9	79.3
167	35.8	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 19.995 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

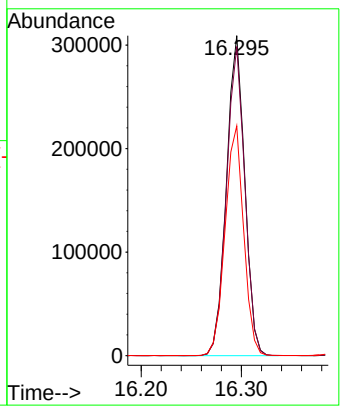
Tgt Ion:248 Resp: 39145

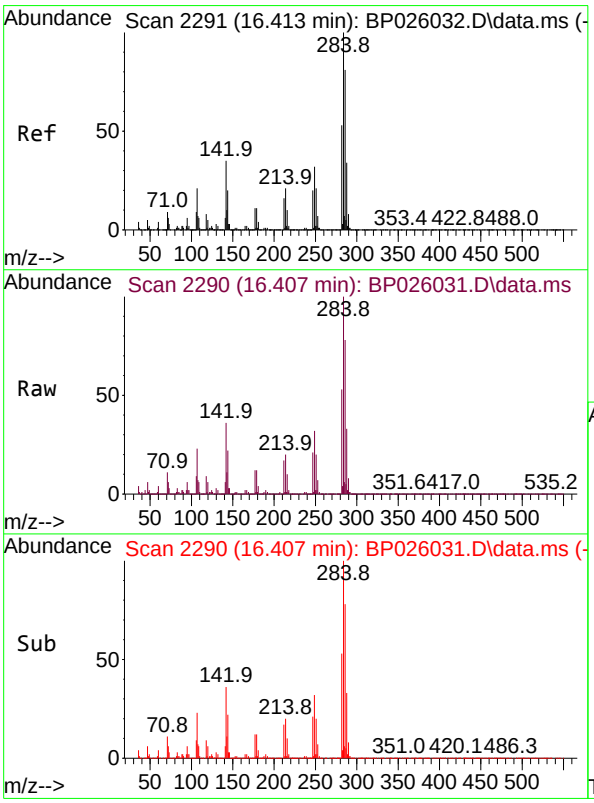
Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.4	117.6
141	71.8	58.3	87.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

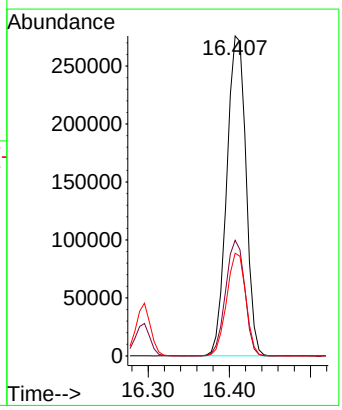


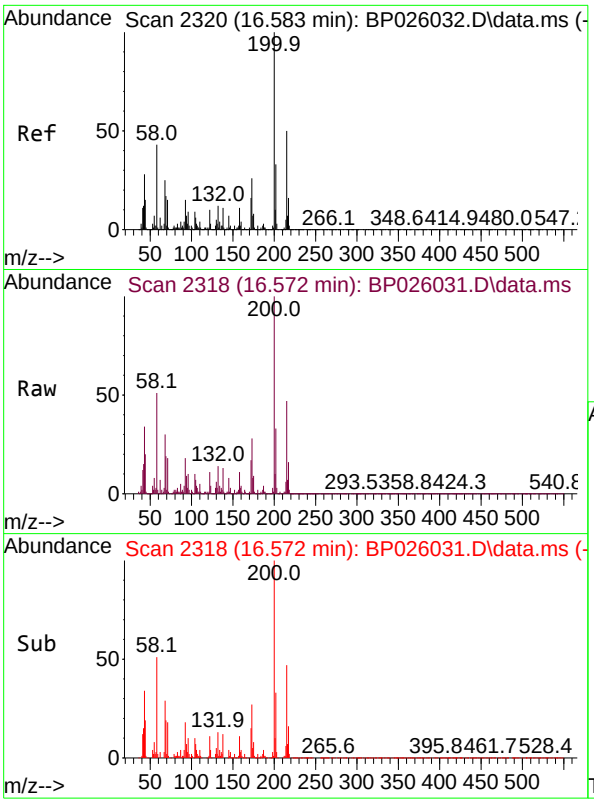


#68
Hexachlorobenzene
Concen: 20.312 ng
RT: 16.407 min Scan# 2290
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:284 Resp: 452701

Ion	Ratio	Lower	Upper
284	100		
142	36.1	27.7	41.5
249	32.1	25.5	38.3

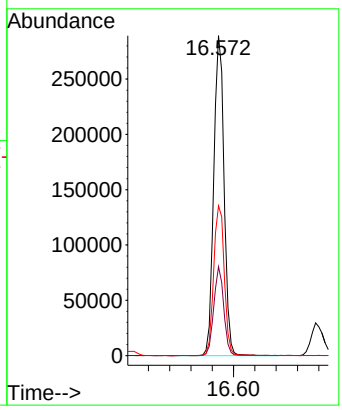




#69
Atrazine
Concen: 20.916 ng
RT: 16.572 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:200 Resp: 38938

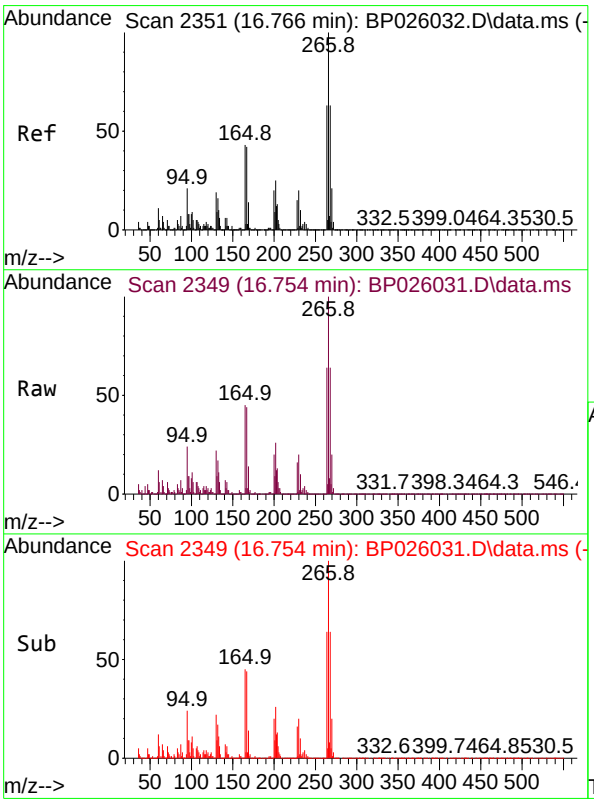
Ion	Ratio	Lower	Upper
200	100		
173	27.8	6.2	46.2
215	46.8	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

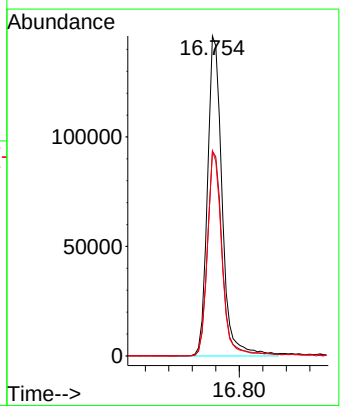
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

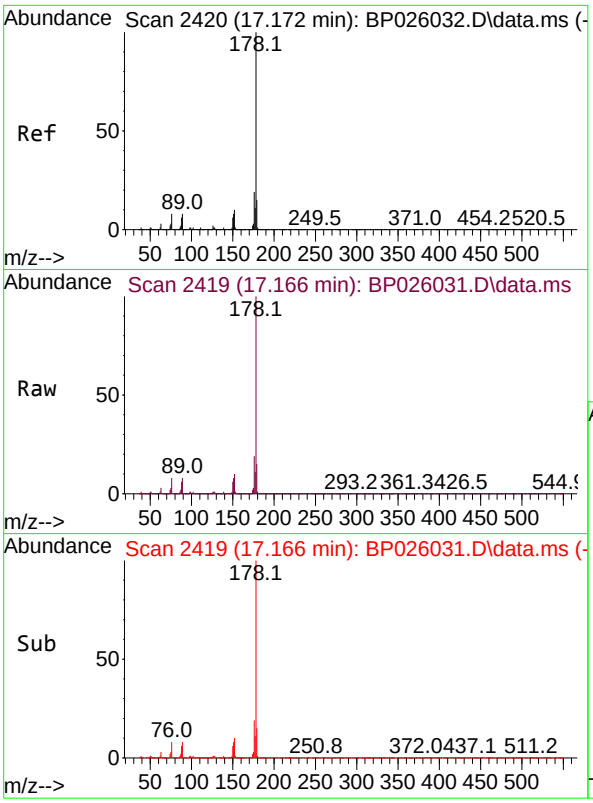


#70
Pentachlorophenol
Concen: 18.548 ng
RT: 16.754 min Scan# 2349
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:266 Resp: 252504

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.6	76.0
264	64.0	50.2	75.4

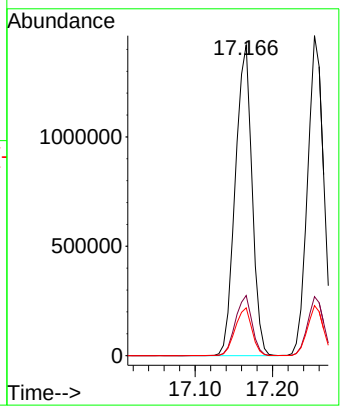




#71
Phenanthrene
Concen: 20.777 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:178 Resp: 213441

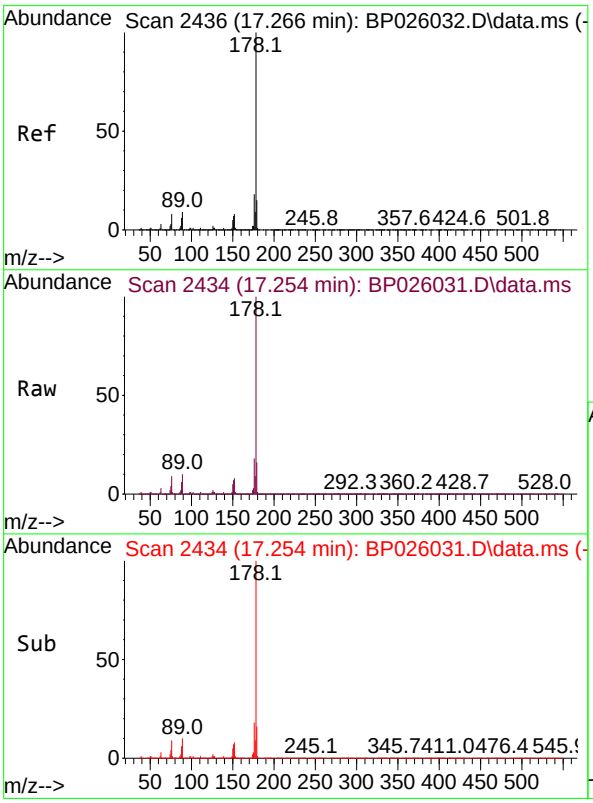
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

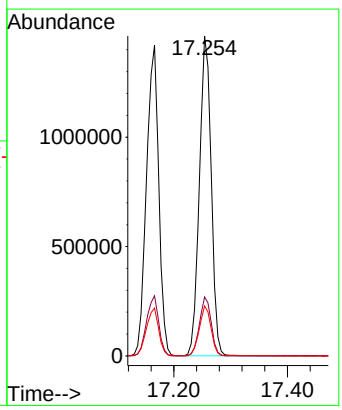
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

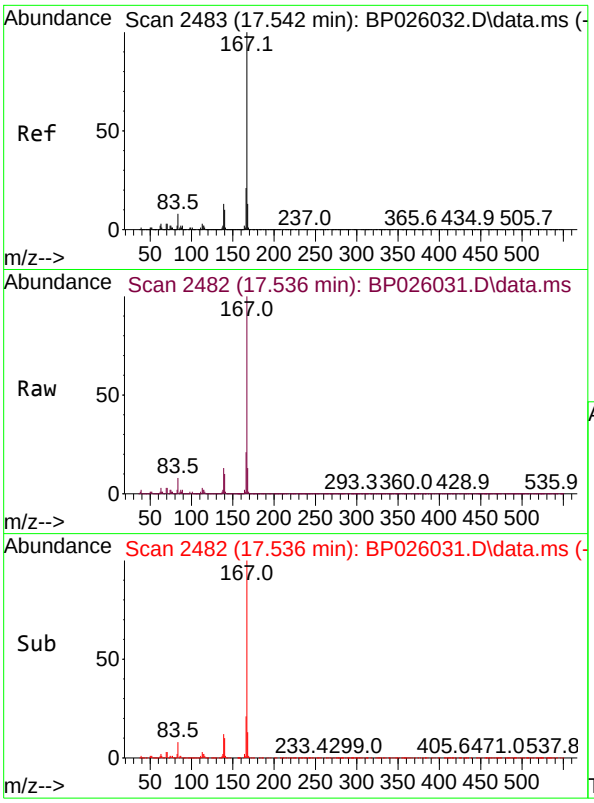


#72
Anthracene
Concen: 20.719 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:178 Resp: 2109900

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.6	12.2	18.4

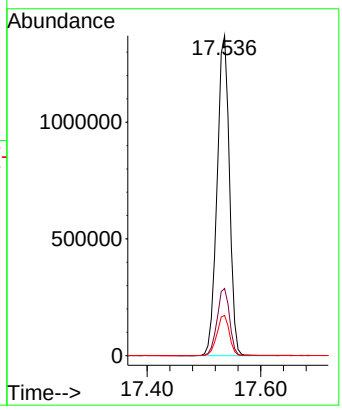




#73
Carbazole
Concen: 21.318 ng
RT: 17.536 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:167 Resp: 205498

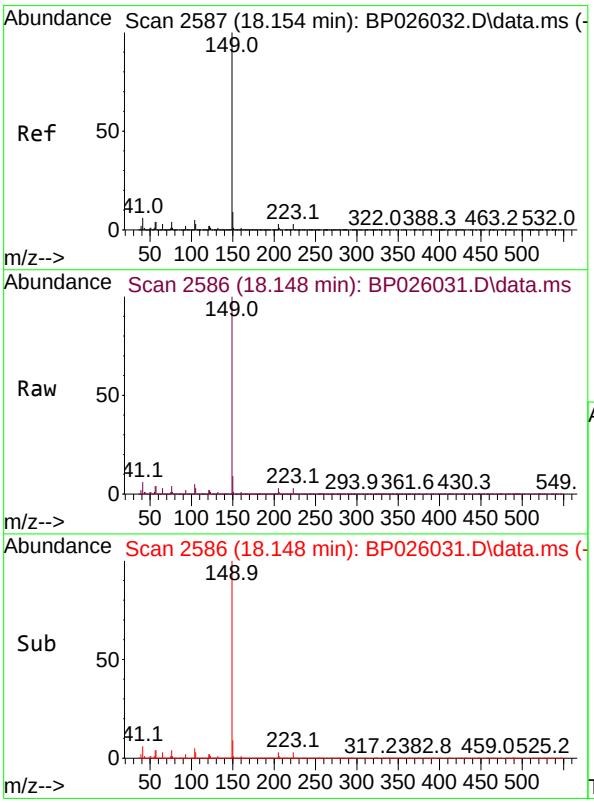
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.5	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

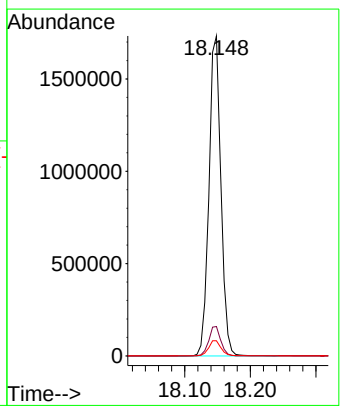
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

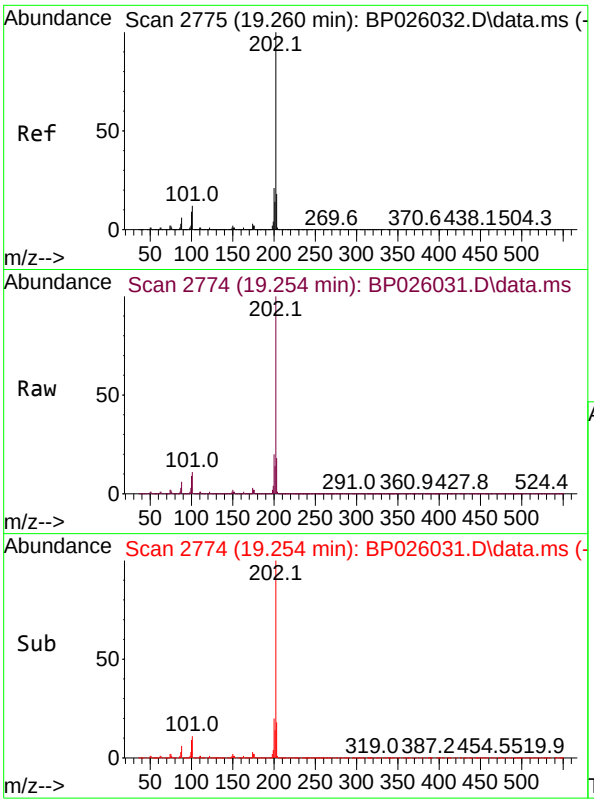


#74
Di-n-butylphthalate
Concen: 20.303 ng
RT: 18.148 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 2189917

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6

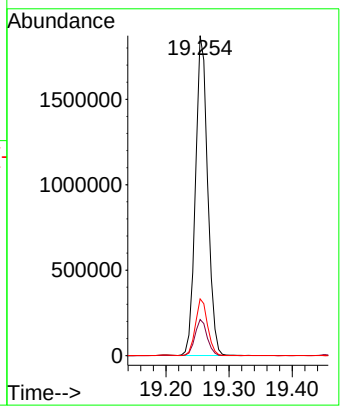




#75
Fluoranthene
Concen: 21.002 ng
RT: 19.254 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:202 Resp: 251680

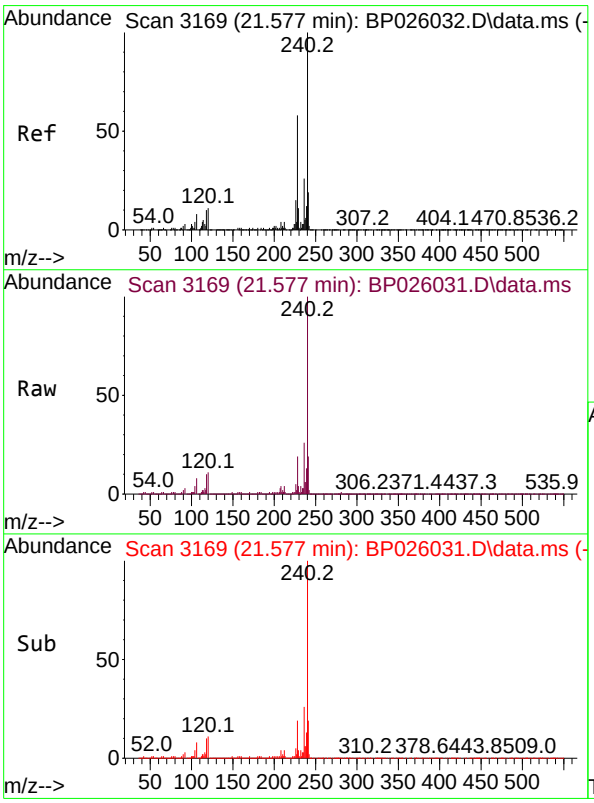
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.1
203	17.7	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

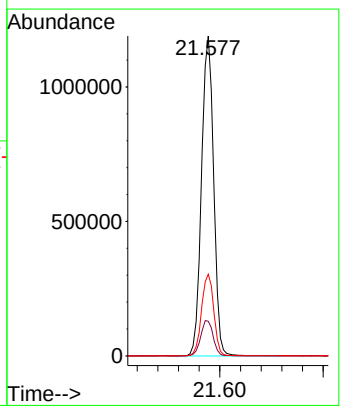
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

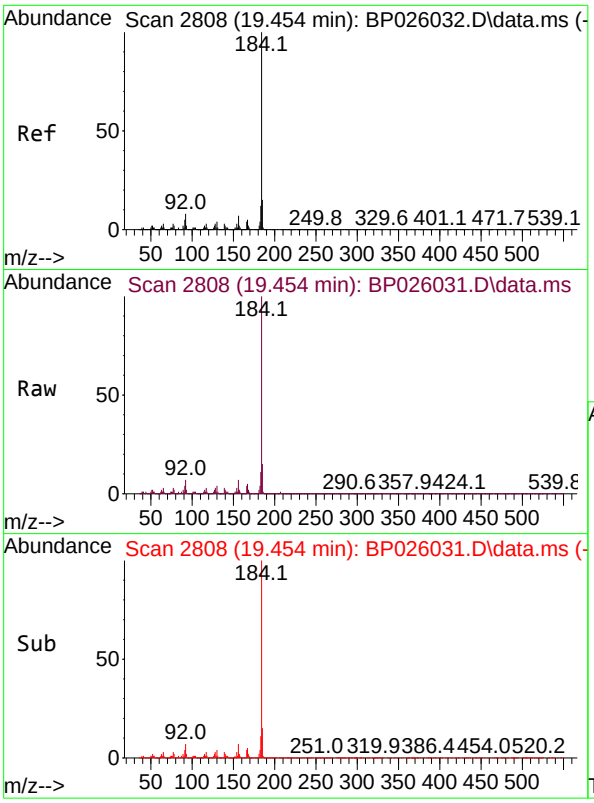


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:240 Resp: 1935916

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	25.5	20.6	31.0

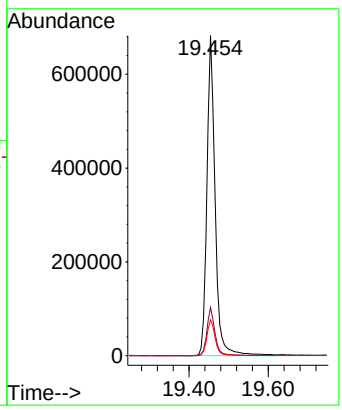




#77
Benzidine
Concen: 20.030 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:184 Resp: 98423

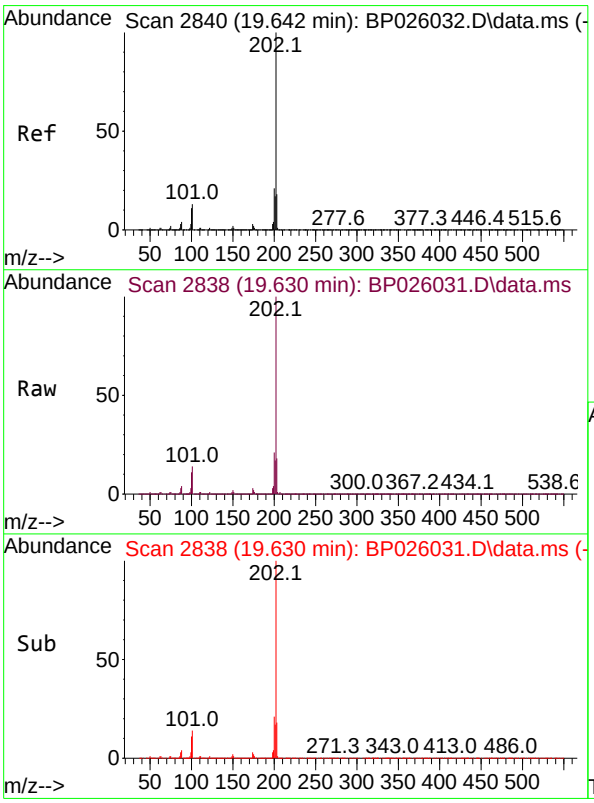
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.9	17.9
183	11.2	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

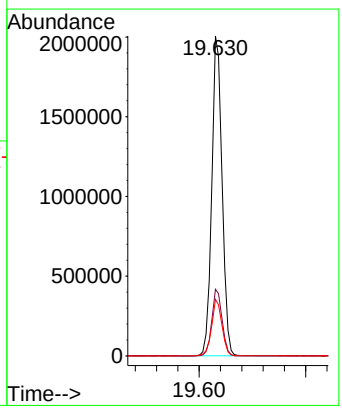
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

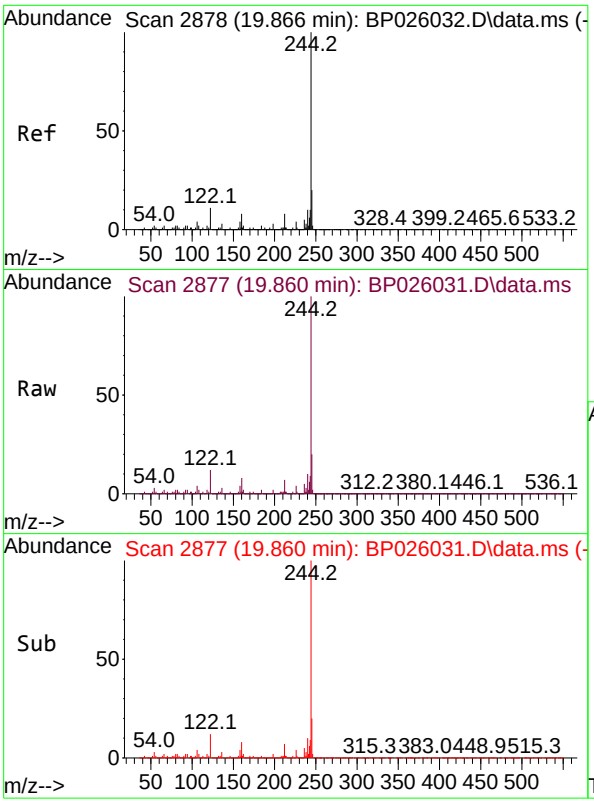


#78
Pyrene
Concen: 20.628 ng
RT: 19.630 min Scan# 2838
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:202 Resp: 2700976

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.7	14.0	21.0

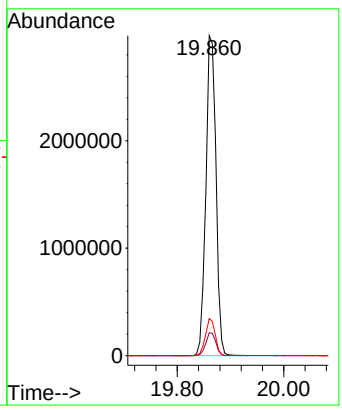




#79
Terphenyl-d14
Concen: 41.147 ng
RT: 19.860 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:244 Resp: 392073

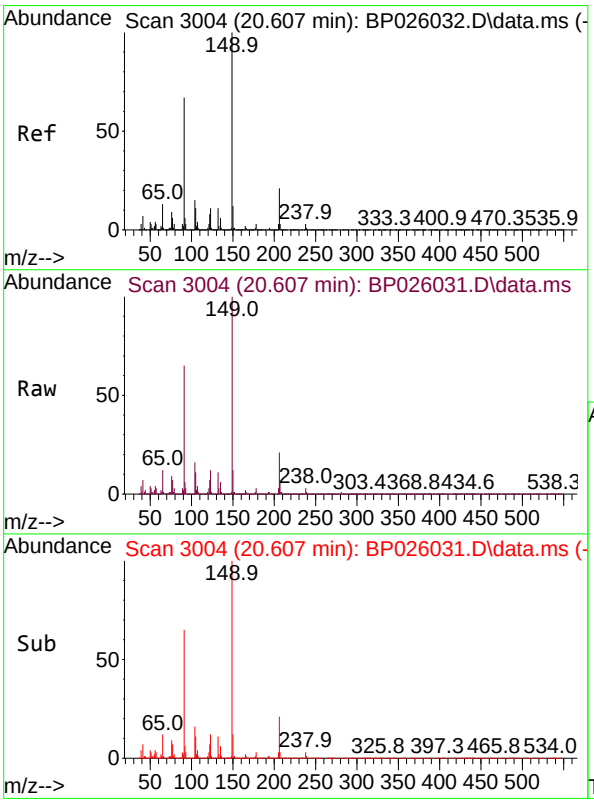
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.6	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

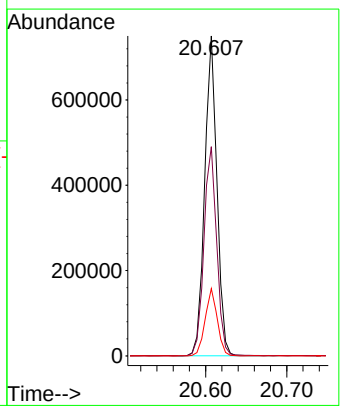
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

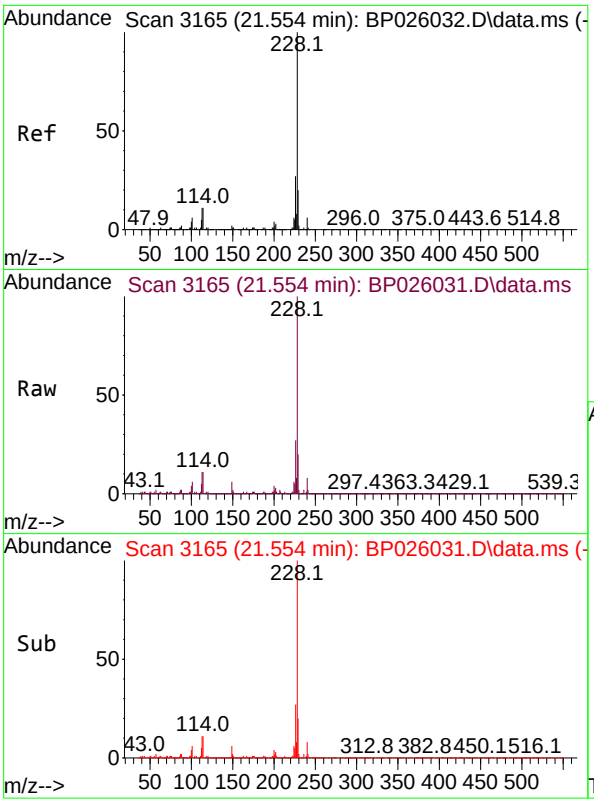


#80
Butylbenzylphthalate
Concen: 18.358 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 787044

Ion	Ratio	Lower	Upper
149	100		
91	65.4	53.5	80.3
206	21.0	16.6	25.0

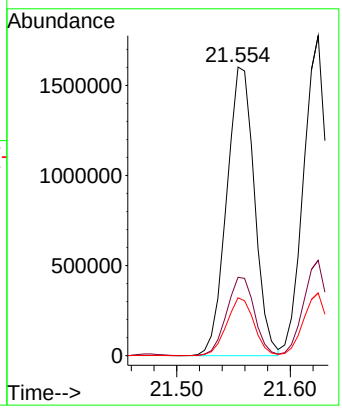




#81
Benzo(a)anthracene
Concen: 20.474 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:228 Resp: 272371

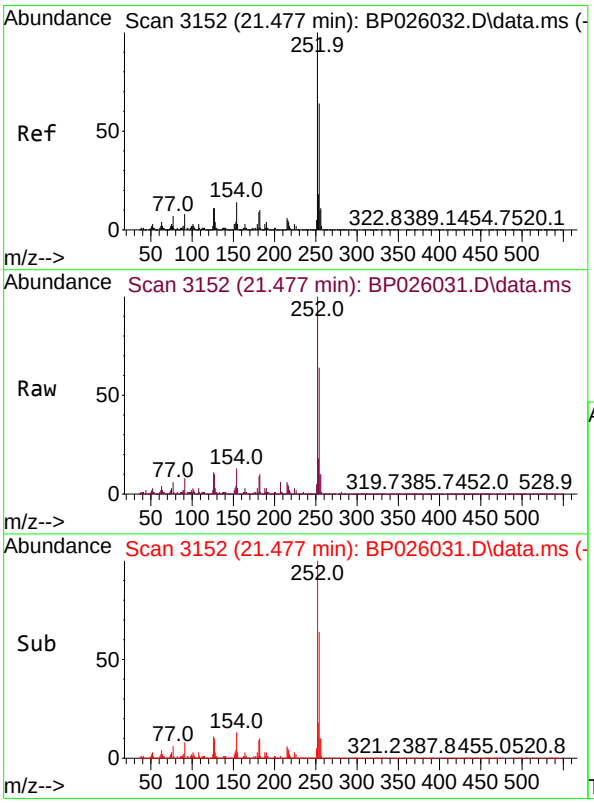
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.1	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

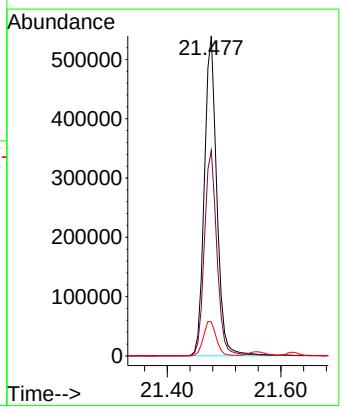
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

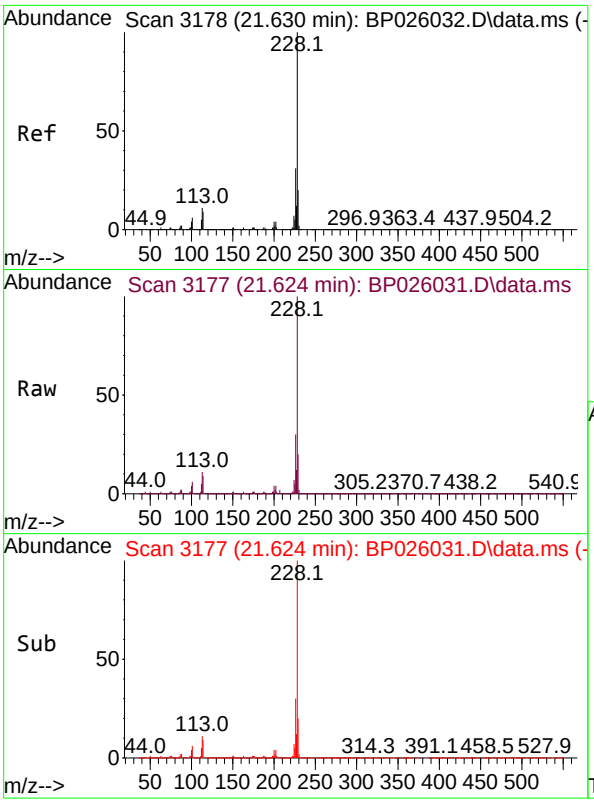


#82
3,3'-Dichlorobenzidine
Concen: 19.160 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 821245

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.3	76.9
126	10.6	9.1	13.7

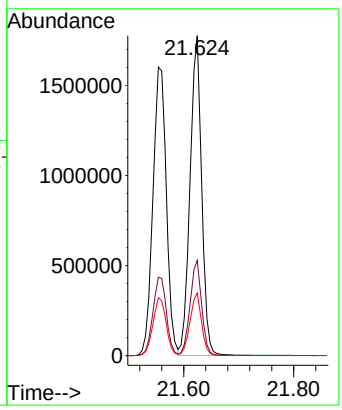




#83
Chrysene
Concen: 20.715 ng
RT: 21.624 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:228 Resp: 261044

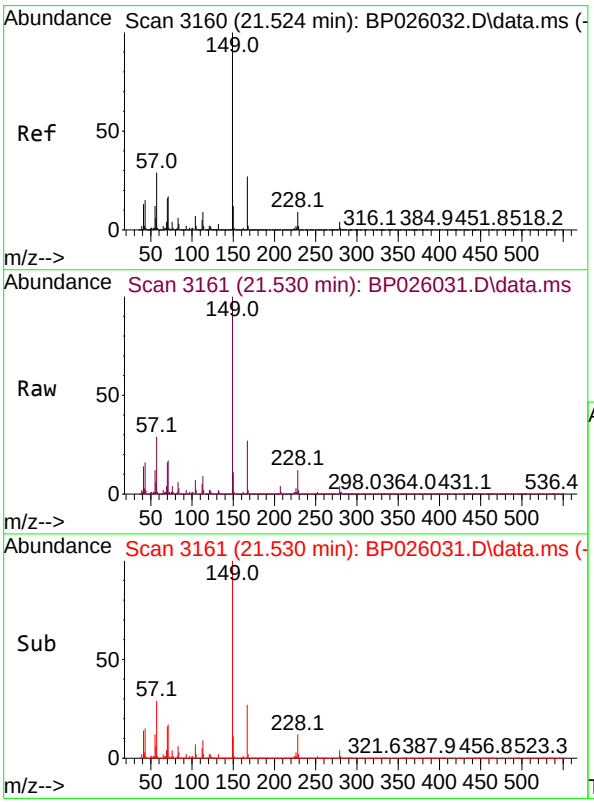
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.6	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

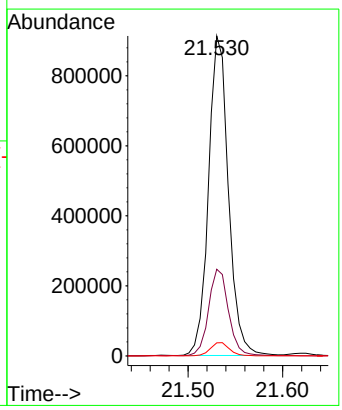
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

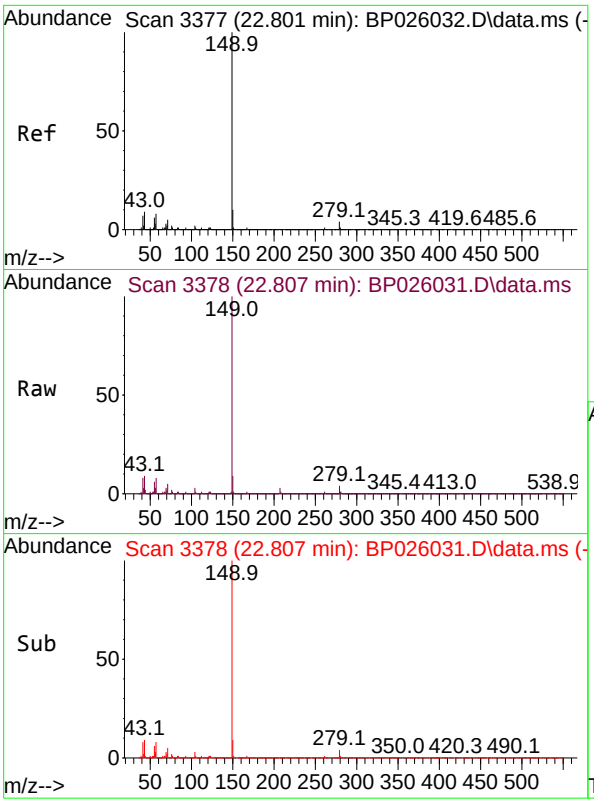


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.694 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 1336224

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.5	32.3
279	4.1	3.0	4.6

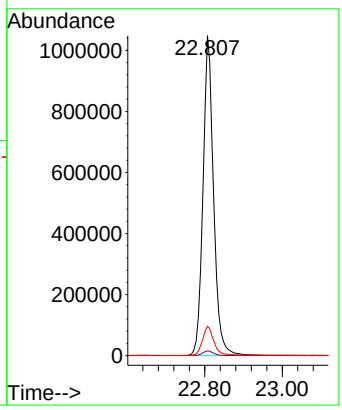




#85
Di-n-octyl phthalate
Concen: 17.224 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:149 Resp: 198487

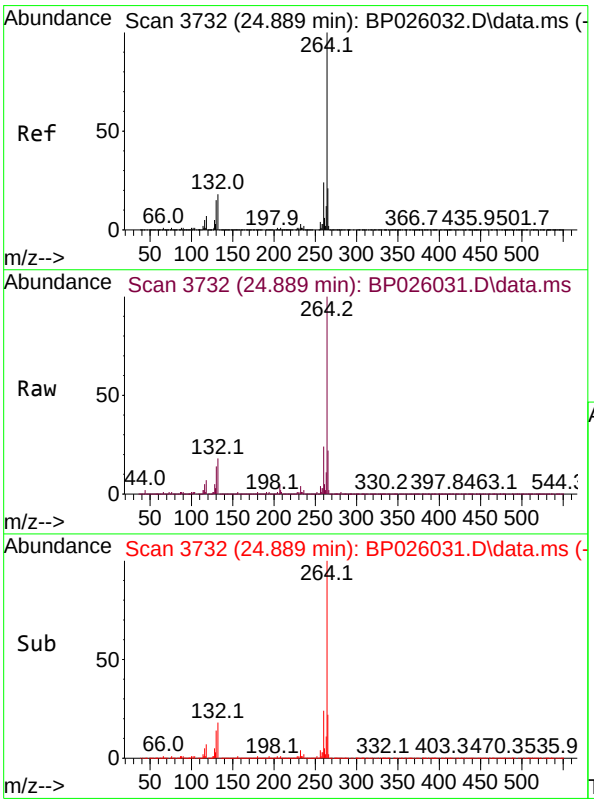
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.1	7.6	11.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

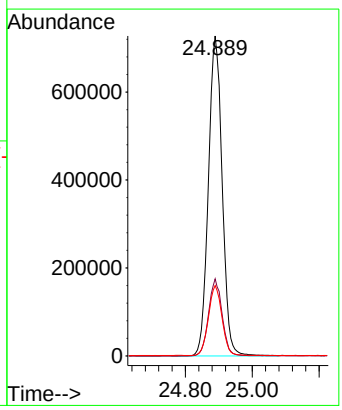
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

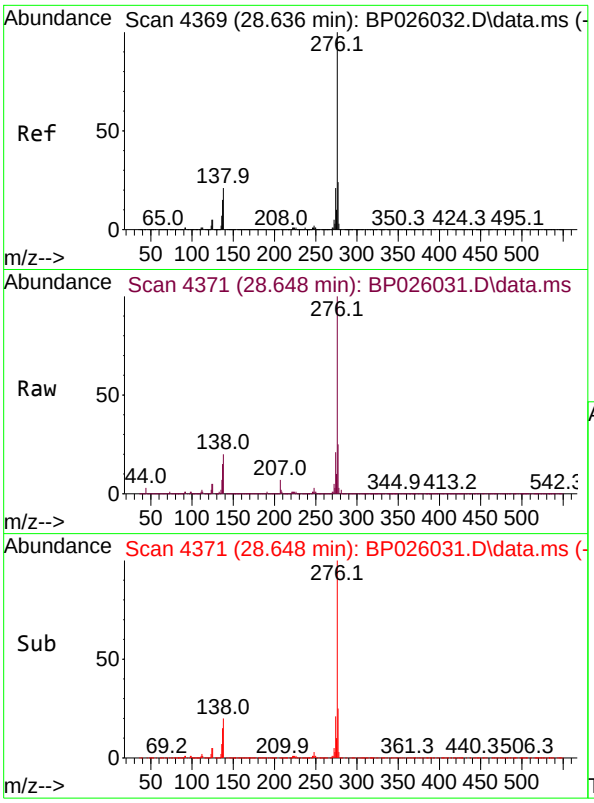


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:264 Resp: 2082873

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.0	17.2	25.8

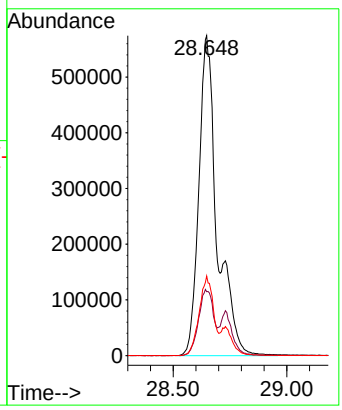




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.856 ng m
RT: 28.648 min Scan# 4
Delta R.T. -0.011 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:276 Resp: 320587

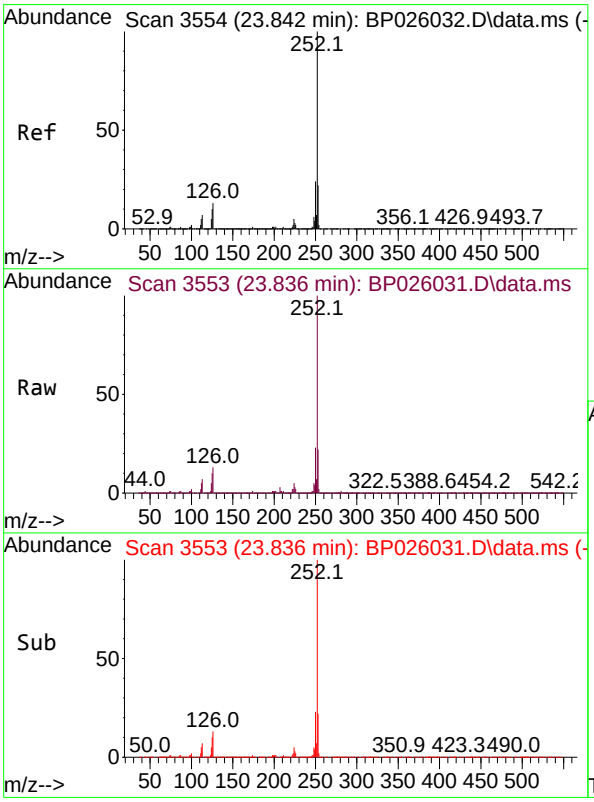
Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.2	19.8
277	19.4	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

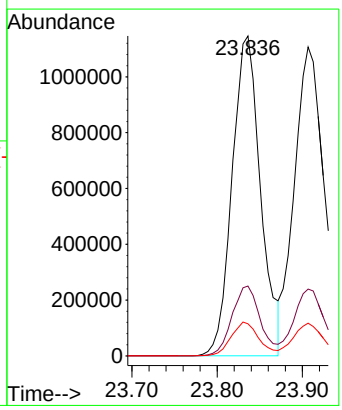
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

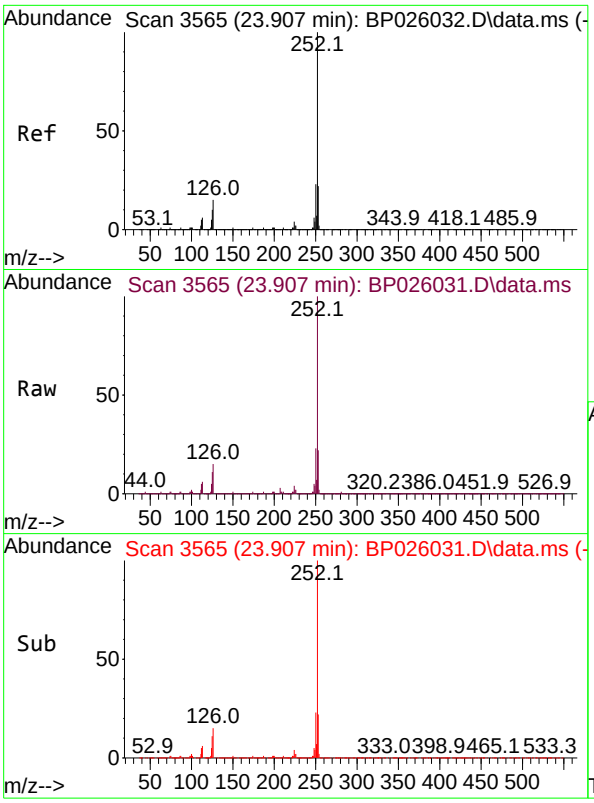


#88
Benzo(b)fluoranthene
Concen: 20.584 ng
RT: 23.836 min Scan# 3553
Delta R.T. -0.012 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 2661543

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.0	8.1	12.1

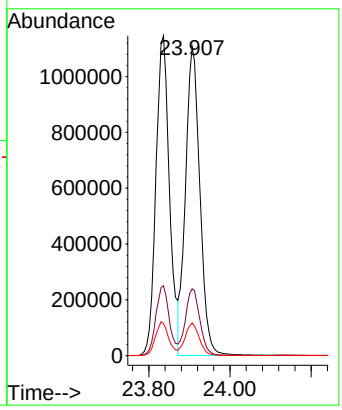




#89
Benzo(k)fluoranthene
Concen: 20.602 ng
RT: 23.907 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 272035

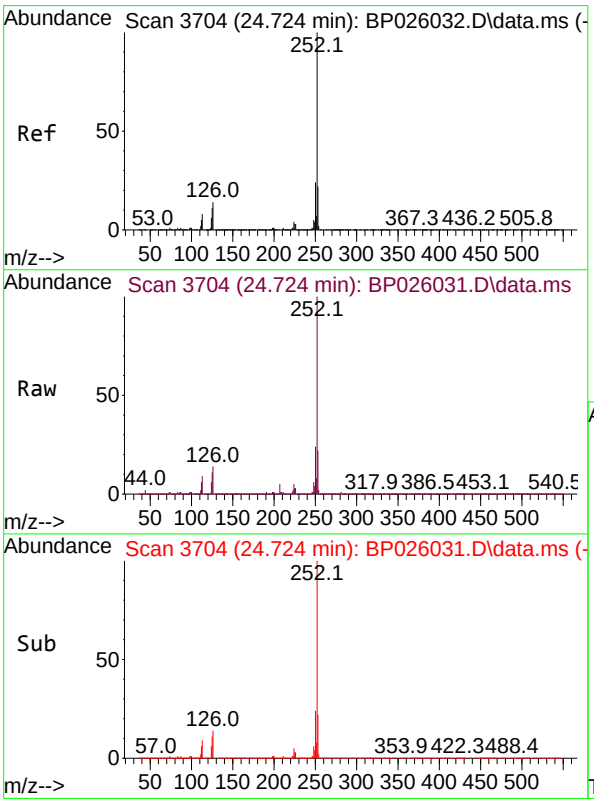
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.6	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

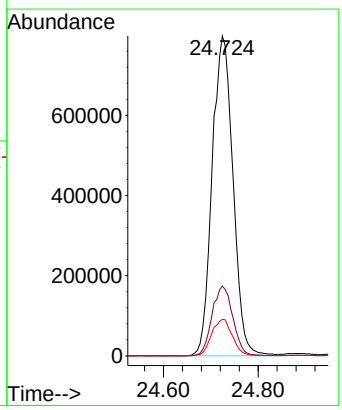
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

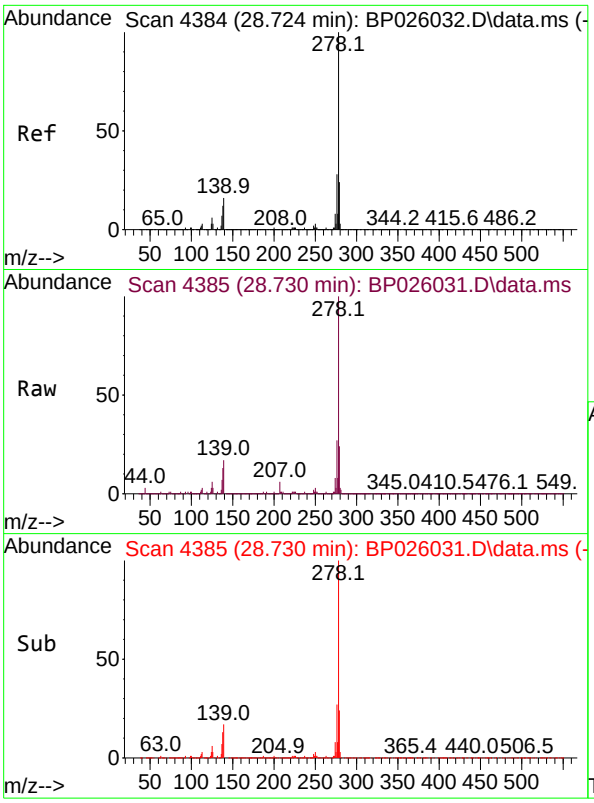


#90
Benzo(a)pyrene
Concen: 20.541 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:252 Resp: 2440075

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.4	9.1	13.7

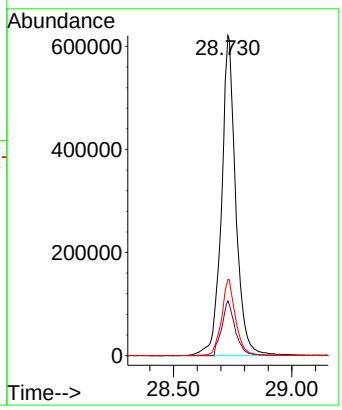




#91
Dibenzo(a,h)anthracene
Concen: 20.785 ng
RT: 28.730 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:278 Resp: 260104

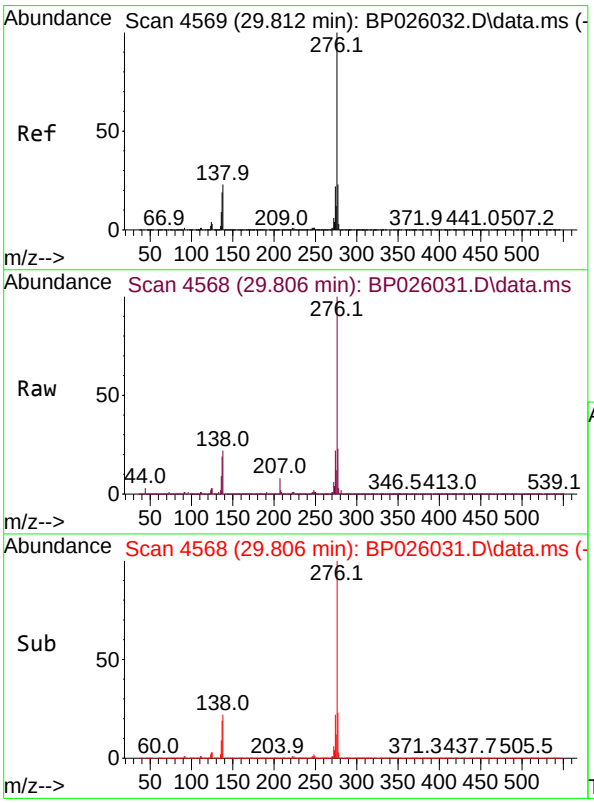
Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.6
279	23.8	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

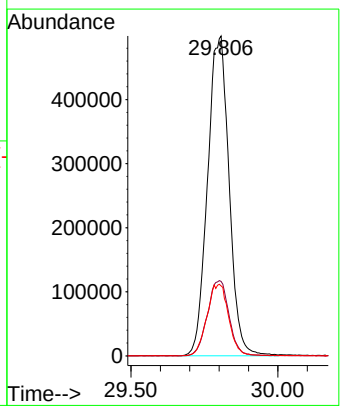
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025



#92
Benzo(g,h,i)perylene
Concen: 21.078 ng
RT: 29.806 min Scan# 4568
Delta R.T. -0.023 min
Lab File: BP026031.D
Acq: 29 Oct 2025 11:29

Tgt Ion:276 Resp: 2538211

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	21.9	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	293060	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1204929	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	764236	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1555861	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1646604	20.000	ng	0.01
86) Perylene-d12	24.889	264	1760712	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1464250	82.445	ng	0.00
7) Phenol-d6	6.855	99	1882712	83.286	ng	0.00
23) Nitrobenzene-d5	8.825	82	1630132	84.339	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	722838	87.488	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4342634	81.651	ng	-0.01
79) Terphenyl-d14	19.866	244	6676375	82.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	302066	40.344	ng	100
3) Pyridine	3.625	79	867862	40.775	ng	100
4) n-Nitrosodimethylamine	3.537	42	342452	40.144	ng	100
6) Aniline	7.019	93	1237729	41.026	ng	100
8) 2-Chlorophenol	7.255	128	822579	41.826	ng	100
9) Benzaldehyde	6.831	77	474239	40.357	ng	100
10) Phenol	6.884	94	1039468	41.420	ng	100
11) bis(2-Chloroethyl)ether	7.119	93	804729	40.632	ng	100
12) 1,3-Dichlorobenzene	7.578	146	921791	40.813	ng	100
13) 1,4-Dichlorobenzene	7.719	146	925177	40.514	ng	100
14) 1,2-Dichlorobenzene	8.031	146	888039	40.753	ng	100
15) Benzyl Alcohol	7.913	79	668211	41.003	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1230074	41.095	ng	100
17) 2-Methylphenol	8.113	107	688795	41.915	ng	100
18) Hexachloroethane	8.760	117	323386	41.385	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	601712	42.881	ng	100
20) 3+4-Methylphenols	8.437	107	945490	41.358	ng	100
22) Acetophenone	8.490	105	1247543	40.939	ng	100
24) Nitrobenzene	8.866	77	859810	42.132	ng	100
25) Isophorone	9.390	82	1734781	41.932	ng	100
26) 2-Nitrophenol	9.566	139	308209	41.419	ng	100
27) 2,4-Dimethylphenol	9.631	122	728530	41.876	ng	100
28) bis(2-Chloroethoxy)met...	9.866	93	1076336	41.282	ng	100
29) 2,4-Dichlorophenol	10.101	162	788938	42.949	ng	100
30) 1,2,4-Trichlorobenzene	10.319	180	817950	40.968	ng	100
31) Naphthalene	10.501	128	2686976	40.893	ng	100
32) Benzoic acid	9.743	122	404584	40.754	ng	100
33) 4-Chloroaniline	10.601	127	1052918	41.701	ng	100
34) Hexachlorobutadiene	10.801	225	520749	41.043	ng	100
35) Caprolactam	11.360	113	271877	42.147	ng	100
36) 4-Chloro-3-methylphenol	11.731	107	831835	43.198	ng	100
37) 2-Methylnaphthalene	12.119	142	1916037	41.663	ng	100
38) 1-Methylnaphthalene	12.337	142	1850373	41.416	ng	100
40) 1,2,4,5-Tetrachloroben...	12.484	216	966620	40.707	ng	100
41) Hexachlorocyclopentadiene	12.478	237	361557	41.615	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	614032	43.748	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

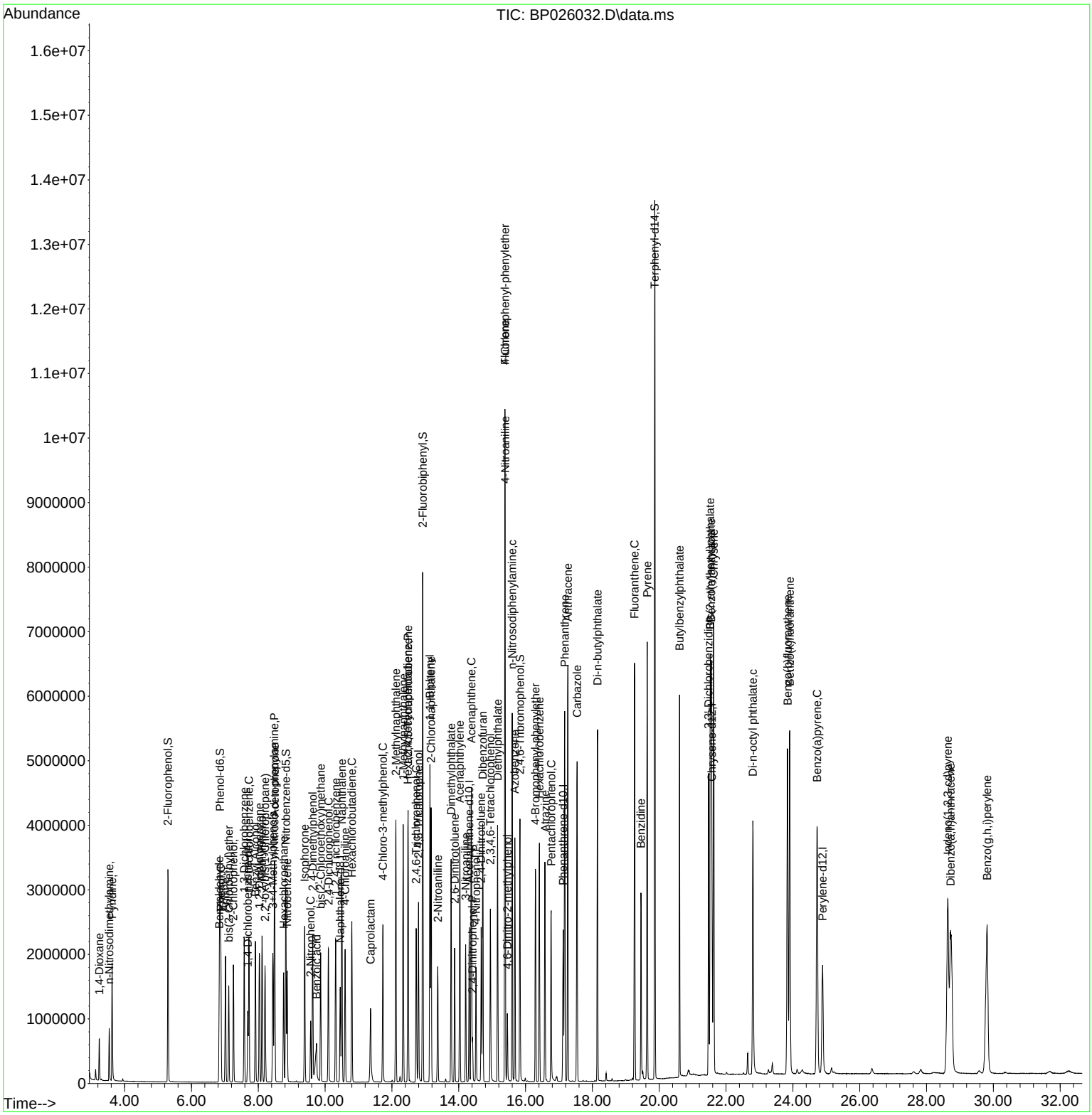
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	697254	43.536	ng	100
46) 1,1'-Biphenyl	13.137	154	2384975	40.756	ng	100
47) 2-Chloronaphthalene	13.172	162	1878852	40.808	ng	100
48) 2-Nitroaniline	13.372	65	464490	40.401	ng	100
49) Acenaphthylene	14.031	152	2800152	41.727	ng	100
50) Dimethylphthalate	13.772	163	2326622	41.854	ng	100
51) 2,6-Dinitrotoluene	13.878	165	402854	39.911	ng	100
52) Acenaphthene	14.378	154	1909071	41.440	ng	100
53) 3-Nitroaniline	14.207	138	495409	40.022	ng	100
54) 2,4-Dinitrophenol	14.413	184	153212	40.475	ng	100
55) Dibenzofuran	14.719	168	2856737	41.043	ng	100
56) 4-Nitrophenol	14.519	139	436072	39.340	ng	100
57) 2,4-Dinitrotoluene	14.672	165	600497	40.877	ng	100
58) Fluorene	15.384	166	2216283	40.643	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	556750	44.213	ng	100
60) Diethylphthalate	15.160	149	2367180	42.357	ng	100
61) 4-Chlorophenyl-phenyle...	15.384	204	1116700	41.008	ng	100
62) 4-Nitroaniline	15.389	138	522724	44.005	ng	100
63) Azobenzene	15.678	77	2107059	41.601	ng	100
65) 4,6-Dinitro-2-methylph...	15.454	198	237899	39.981	ng	100
66) n-Nitrosodiphenylamine	15.601	169	2012448	41.369	ng	100
67) 4-Bromophenyl-phenylether	16.295	248	710184	41.150	ng	100
68) Hexachlorobenzene	16.413	284	801740	40.808	ng	100
69) Atrazine	16.583	200	681323	41.518	ng	100
70) Pentachlorophenol	16.766	266	499791	41.647	ng	100
71) Phenanthrene	17.172	178	3699137	40.848	ng	100
72) Anthracene	17.266	178	3661573	40.790	ng	100
73) Carbazole	17.542	167	3513761	41.351	ng	100
74) Di-n-butylphthalate	18.154	149	4146570	43.610	ng	100
75) Fluoranthene	19.260	202	4389430	41.552	ng	100
77) Benzidine	19.454	184	1702883	40.744	ng	100
78) Pyrene	19.642	202	4699012	42.194	ng	100
80) Butylbenzylphthalate	20.607	149	1633601	39.905	ng	100
81) Benzo(a)anthracene	21.554	228	4675082	41.317	ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	1520065	41.695	ng	100
83) Chrysene	21.630	228	4430345	41.334	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	2729269	41.098	ng	100
85) Di-n-octyl phthalate	22.801	149	4237623	43.233	ng	100
87) Indeno(1,2,3-cd)pyrene	28.636	276	5507457	42.386	ng	100
88) Benzo(b)fluoranthene	23.842	252	4599800	42.083	ng	100
89) Benzo(k)fluoranthene	23.907	252	4686005	41.983	ng	100
90) Benzo(a)pyrene	24.724	252	4261972	42.443	ng	100
91) Dibenzo(a,h)anthracene	28.724	278	4484851	42.397	ng	100
92) Benzo(g,h,i)perylene	29.812	276	4266684	41.915	ng	100

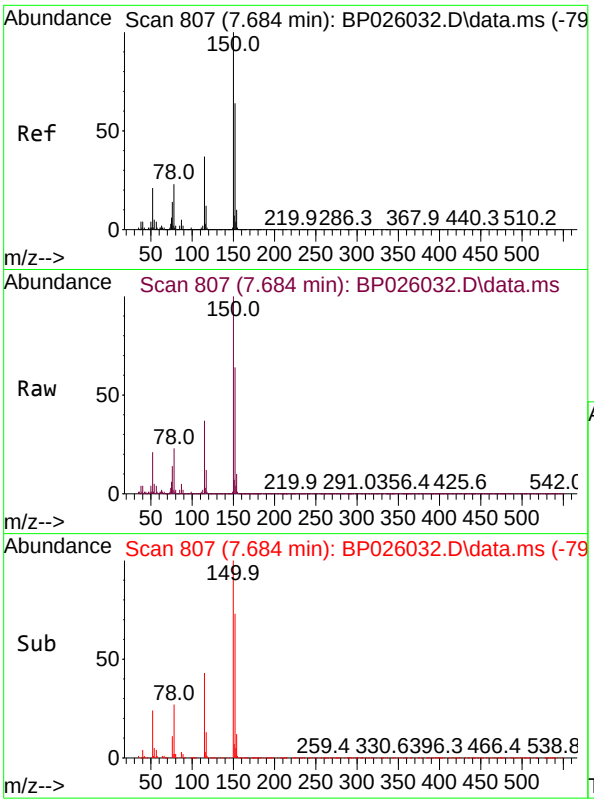
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026032.D
Acq On : 29 Oct 2025 12:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



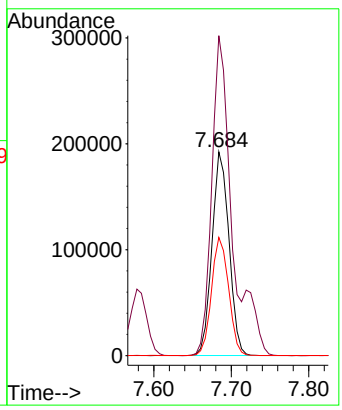


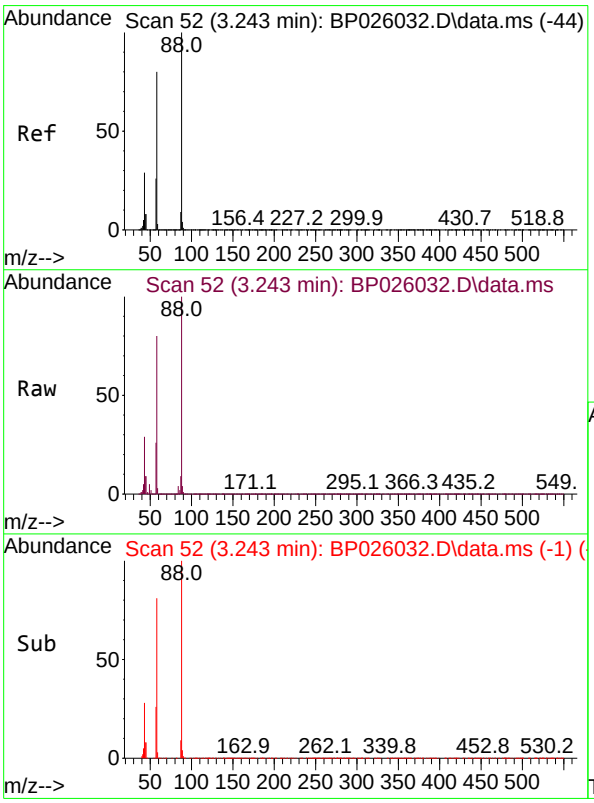
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 293060

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.7	188.5
115	58.0	46.4	69.6

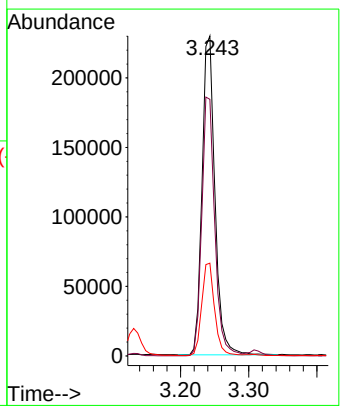


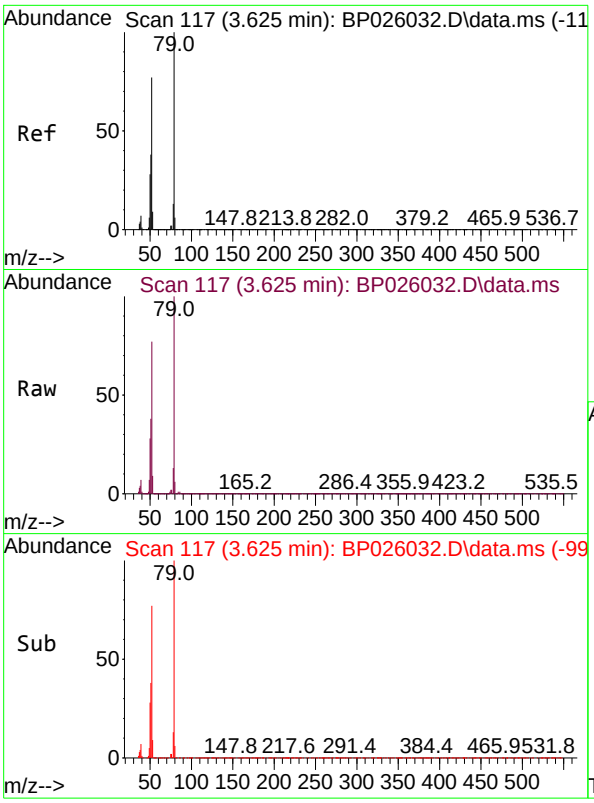


#2
1,4-Dioxane
Concen: 40.344 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 88 Resp: 302066

Ion	Ratio	Lower	Upper
88	100		
58	81.7	65.4	98.0
43	28.9	23.1	34.7



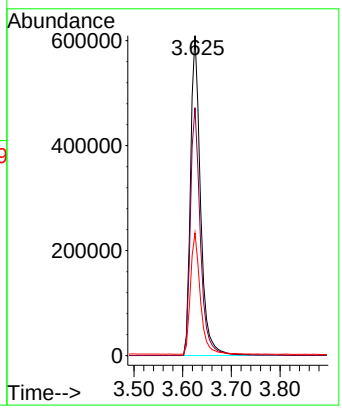


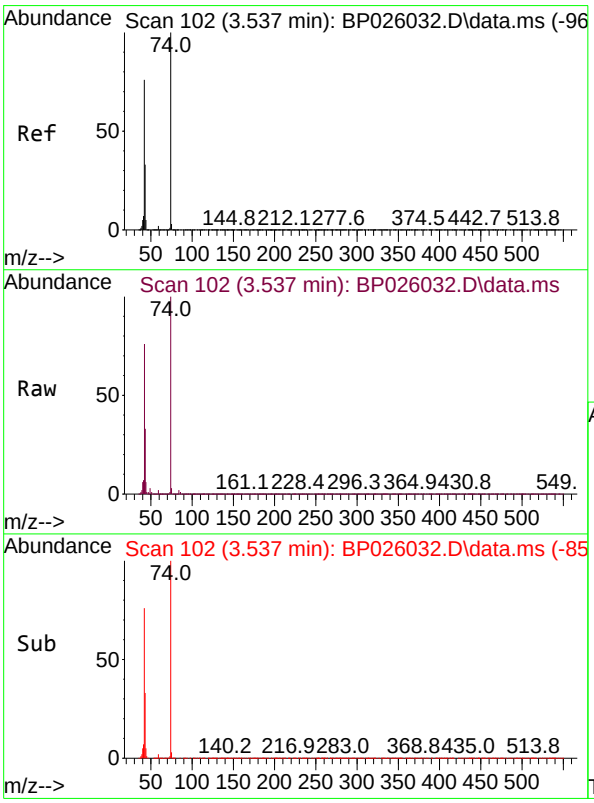
#3
Pyridine
Concen: 40.775 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 867862

Ion	Ratio	Lower	Upper
79	100		
52	77.5	62.0	93.0
51	38.3	30.6	46.0

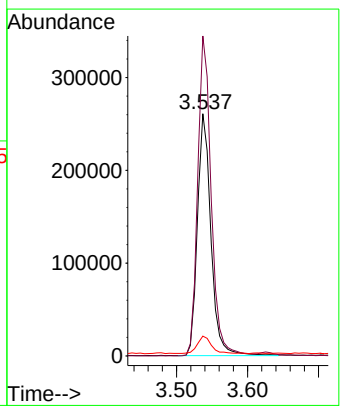


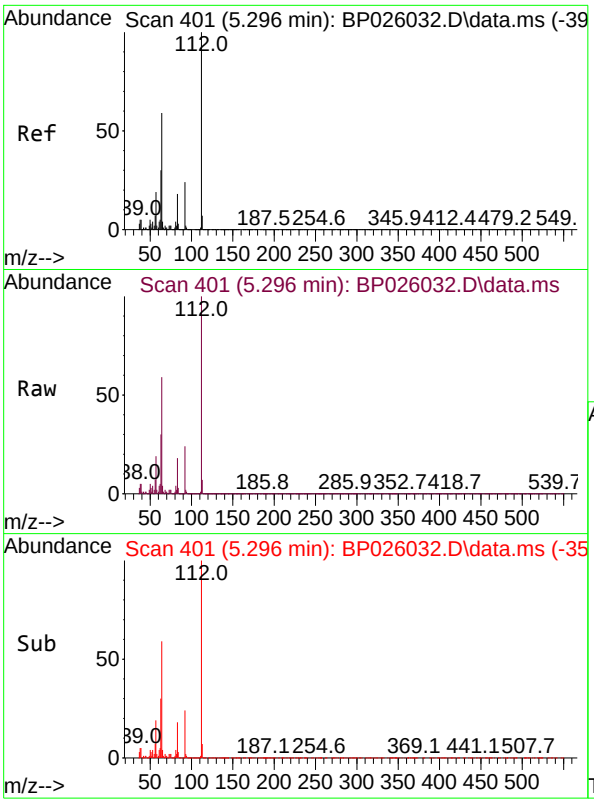


#4
n-Nitrosodimethylamine
Concen: 40.144 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 42 Resp: 342452

Ion	Ratio	Lower	Upper
42	100		
74	132.1	105.7	158.5
44	8.2	6.6	9.8



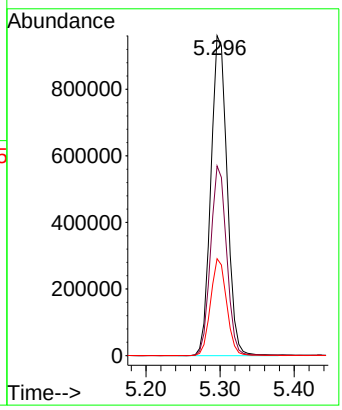


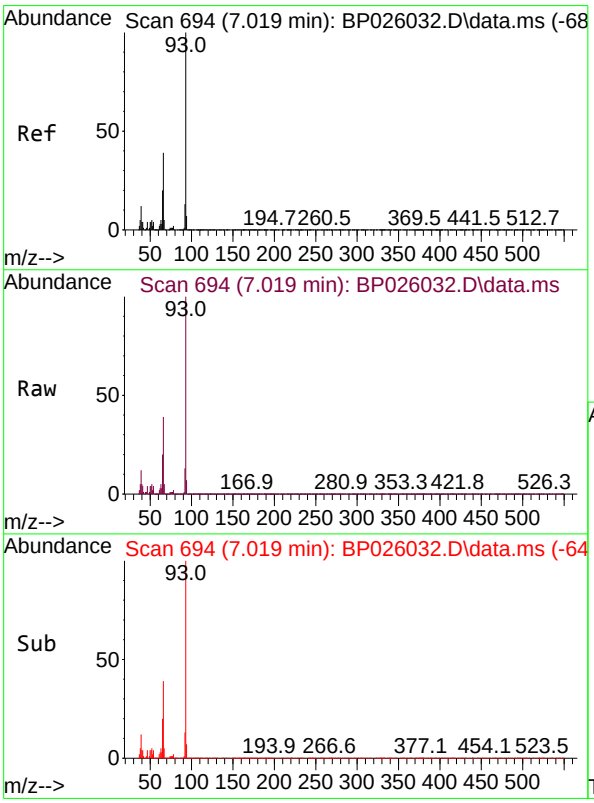
#5
2-Fluorophenol
Concen: 82.445 ng
RT: 5.296 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1464250

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.4	71.2
63	30.3	24.2	36.4

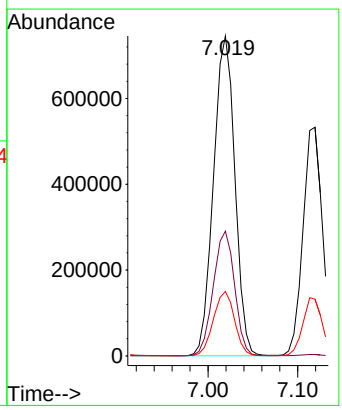


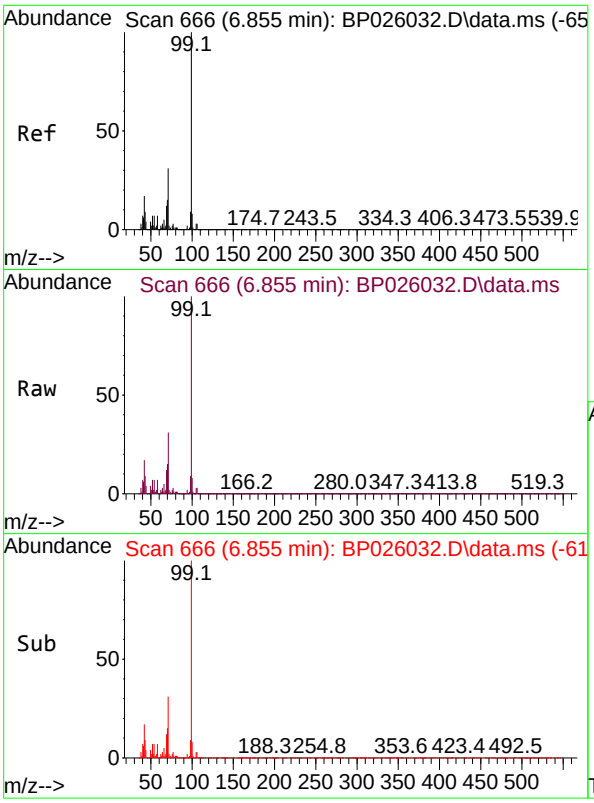


#6
Aniline
Concen: 41.026 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 93 Resp: 1237729

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.2	46.8
65	20.1	16.1	24.1



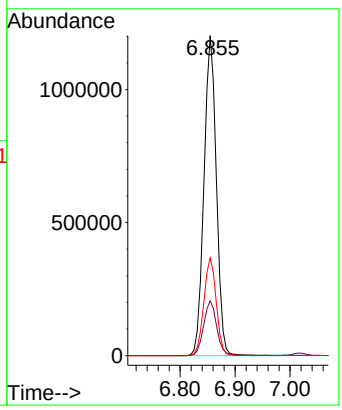


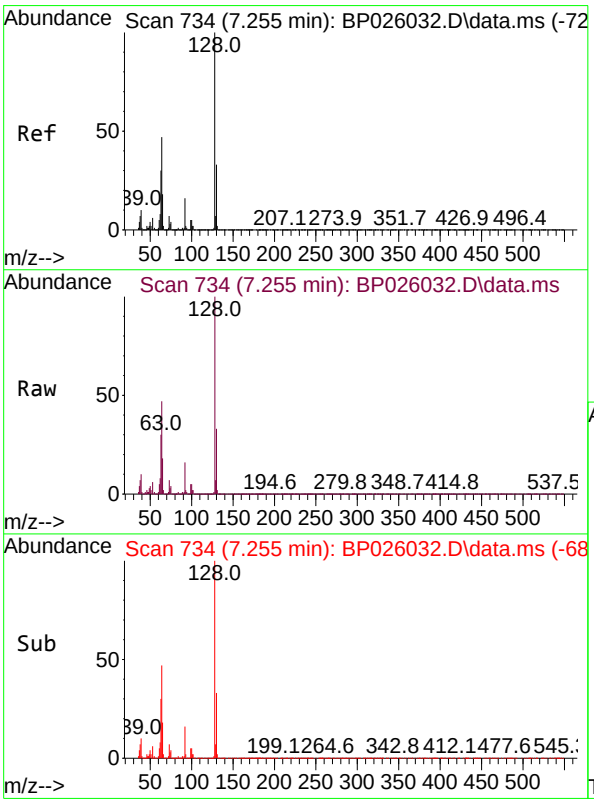
#7
Phenol-d6
Concen: 83.286 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1882712

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	30.5	24.4	36.6

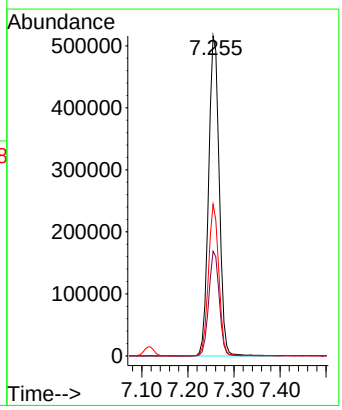


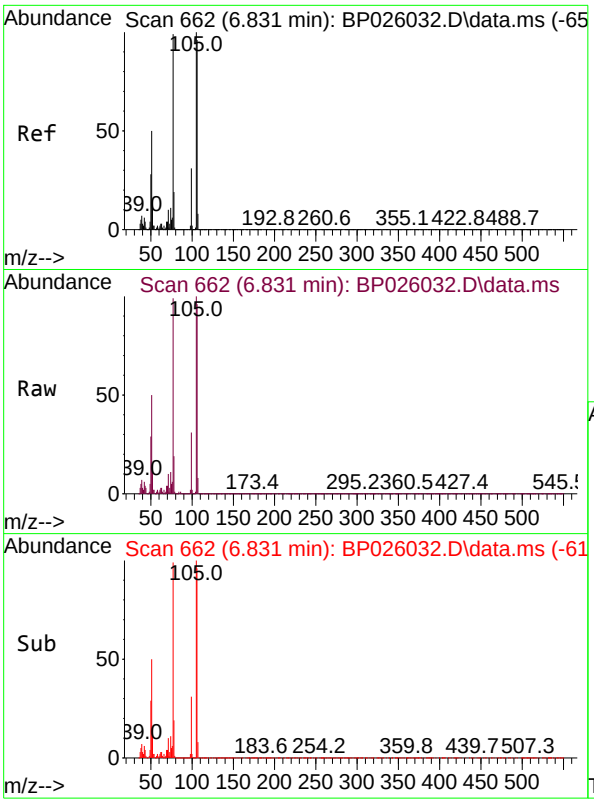


#8
2-Chlorophenol
Concen: 41.826 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:128 Resp: 822579

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	47.4	27.4	67.4



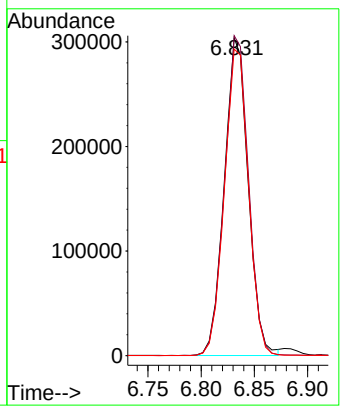


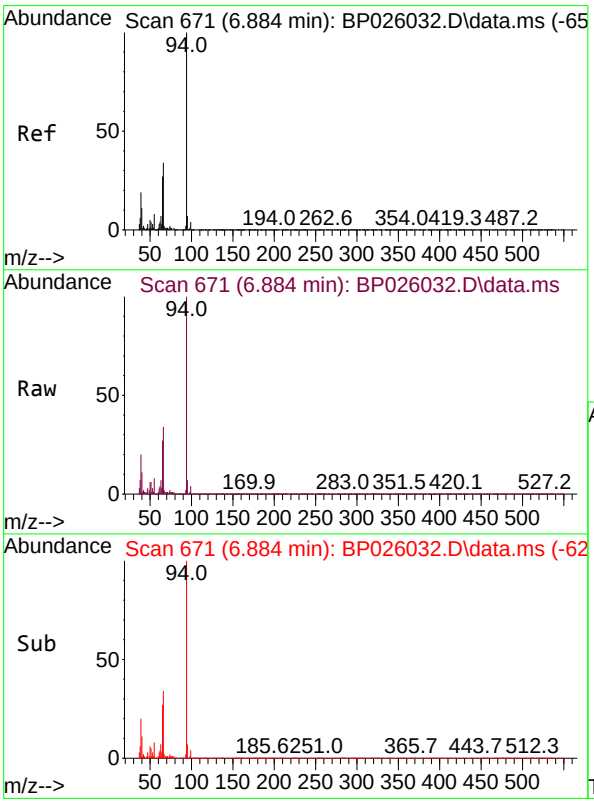
#9
Benzaldehyde
Concen: 40.357 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 474239

Ion	Ratio	Lower	Upper
77	100		
105	100.7	80.7	120.7
106	96.5	76.5	116.5

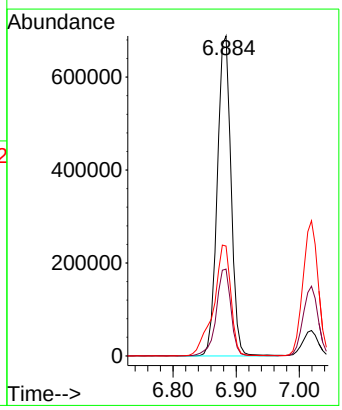


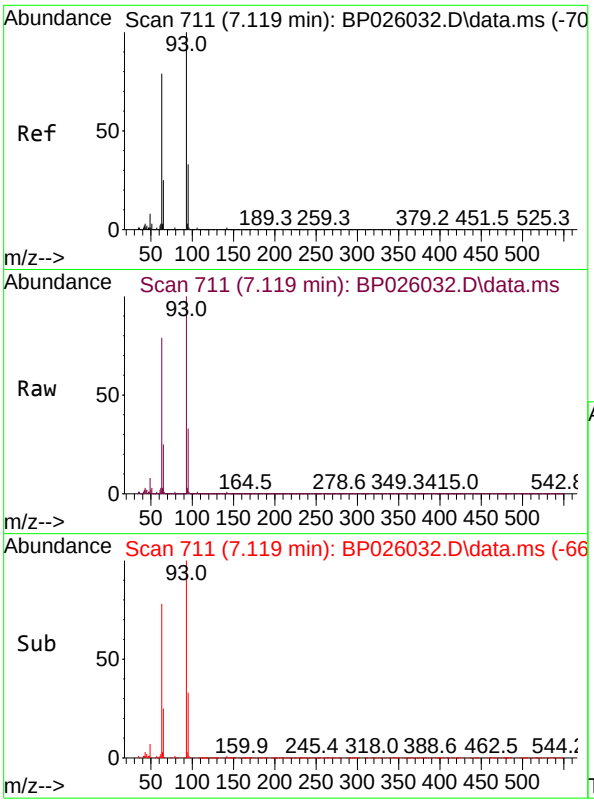


#10
Phenol
Concen: 41.420 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 94 Resp: 1039468

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.1	47.1
66	34.4	14.4	54.4



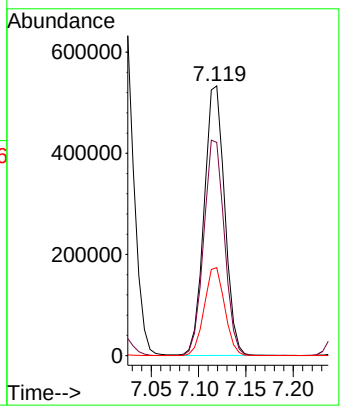


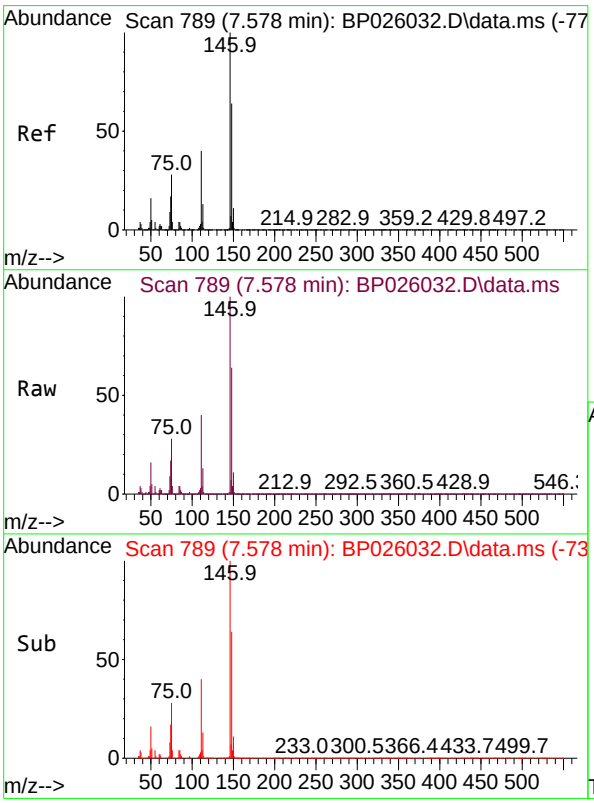
#11
bis(2-Chloroethyl)ether
Concen: 40.632 ng
RT: 7.119 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 804729

Ion	Ratio	Lower	Upper
93	100		
63	79.1	59.1	99.1
95	32.6	12.6	52.6

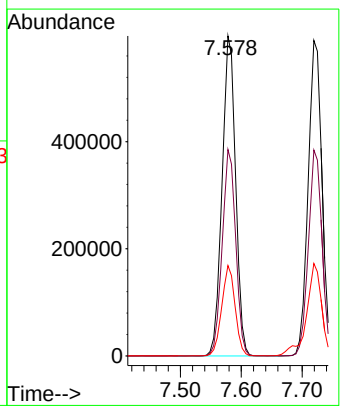


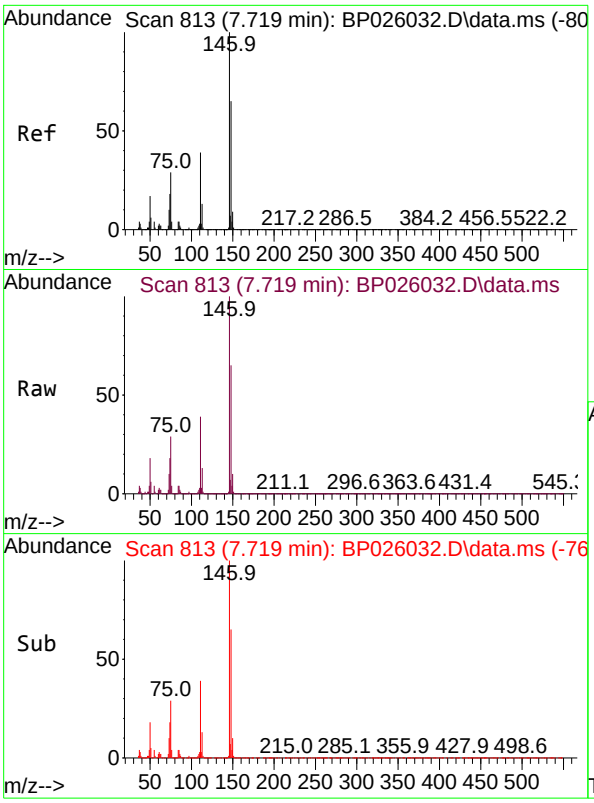


#12
1,3-Dichlorobenzene
Concen: 40.813 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:146 Resp: 921791

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	28.2	22.6	33.8



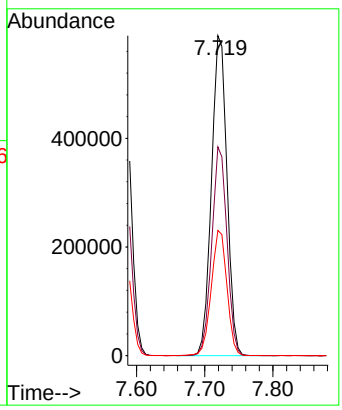


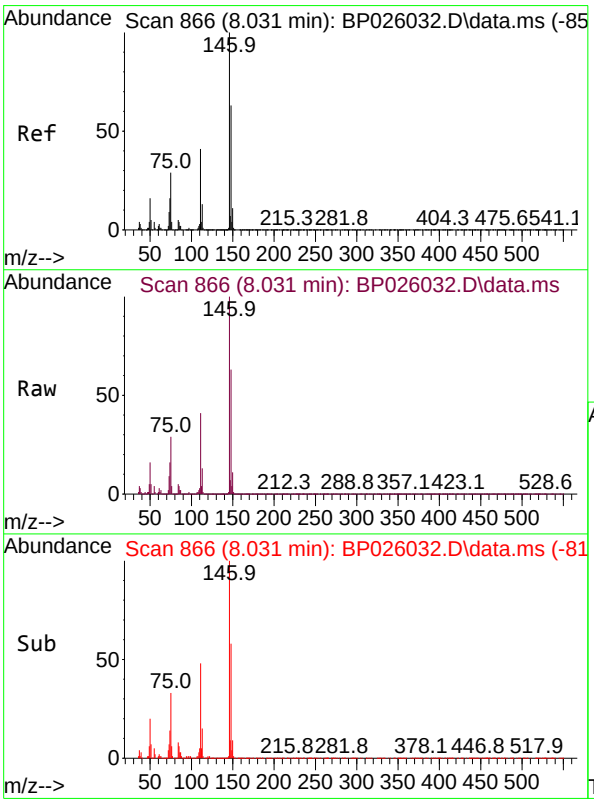
#13
1,4-Dichlorobenzene
Concen: 40.514 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 925177

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	39.1	31.3	46.9

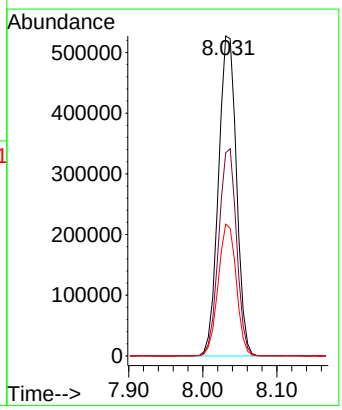


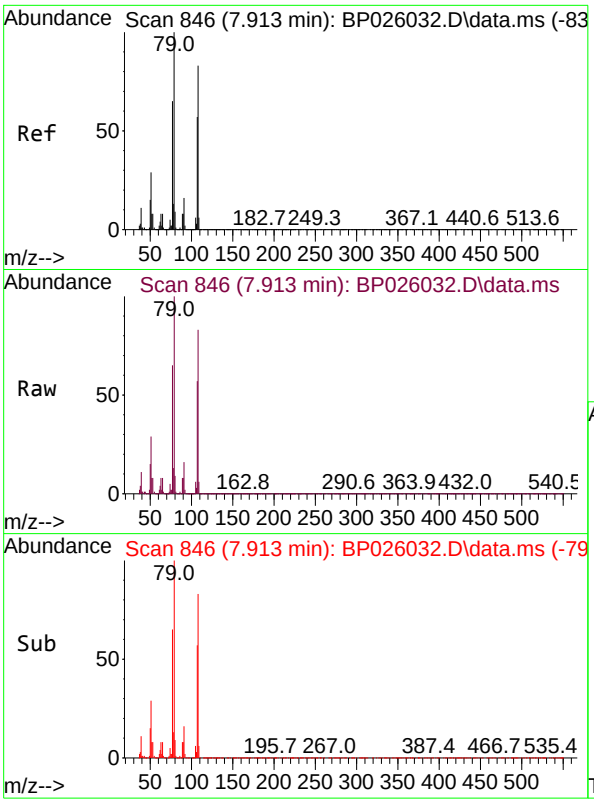


#14
1,2-Dichlorobenzene
Concen: 40.753 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:146 Resp: 888039

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	41.2	33.0	49.4



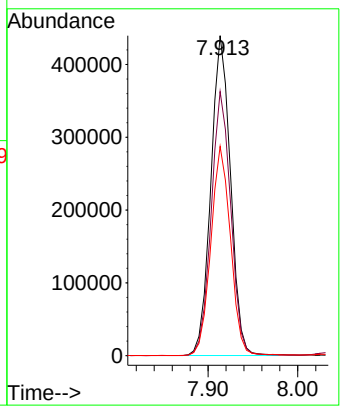


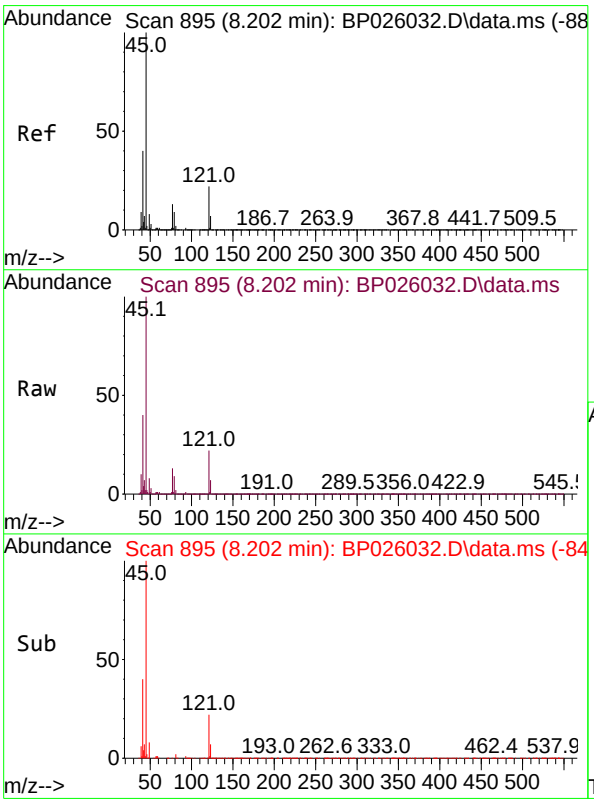
#15
Benzyl Alcohol
Concen: 41.003 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 668211

Ion	Ratio	Lower	Upper
79	100		
108	82.5	66.0	99.0
77	65.4	52.3	78.5

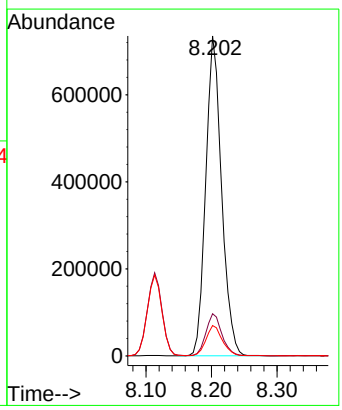


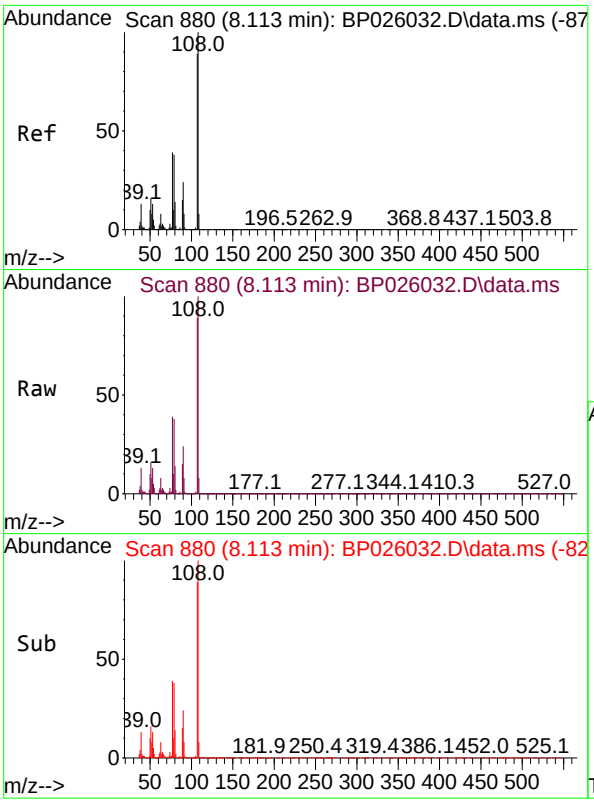


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.095 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 45 Resp: 1230074

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.2
79	9.5	0.0	29.5



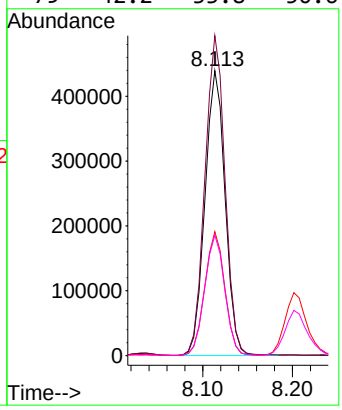


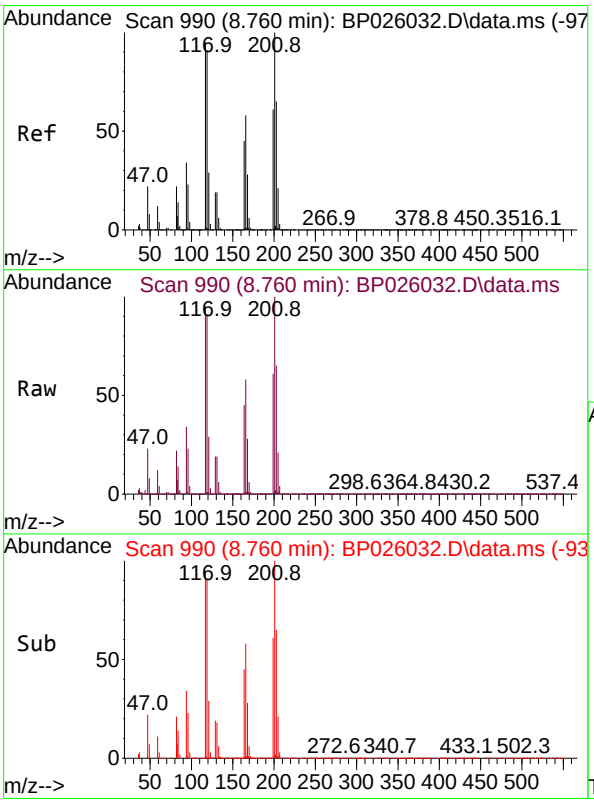
#17
2-Methylphenol
Concen: 41.915 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 688795

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.8
77	43.5	34.8	52.2
79	42.2	33.8	50.6

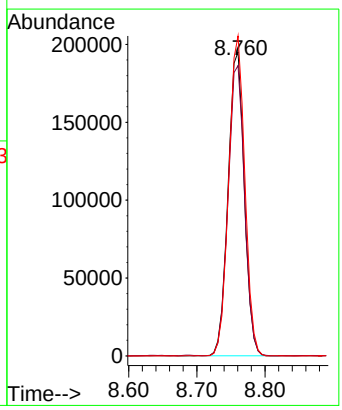


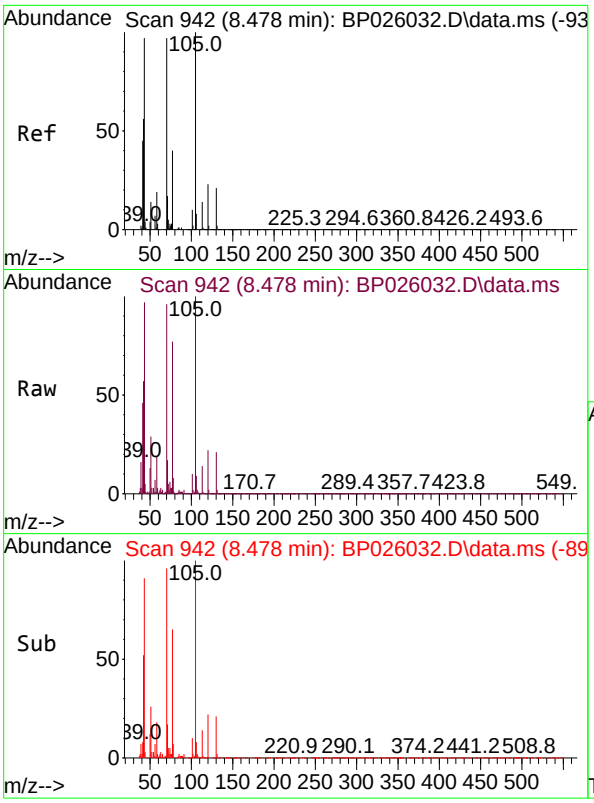


#18
Hexachloroethane
Concen: 41.385 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:117 Resp: 323386

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	105.3	84.2	126.4



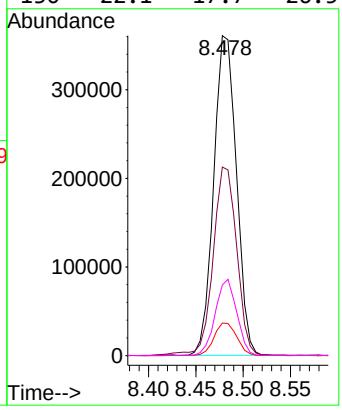


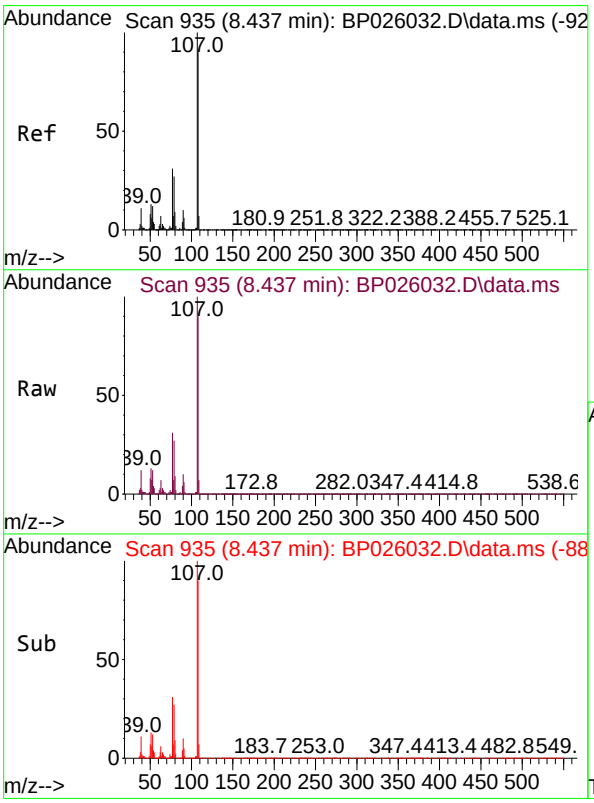
#19
n-Nitroso-di-n-propylamine
Concen: 42.881 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 601712

Ion	Ratio	Lower	Upper
70	100		
42	59.0	47.2	70.8
101	10.2	8.2	12.2
130	22.1	17.7	26.5

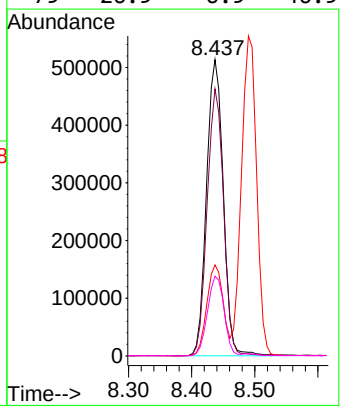


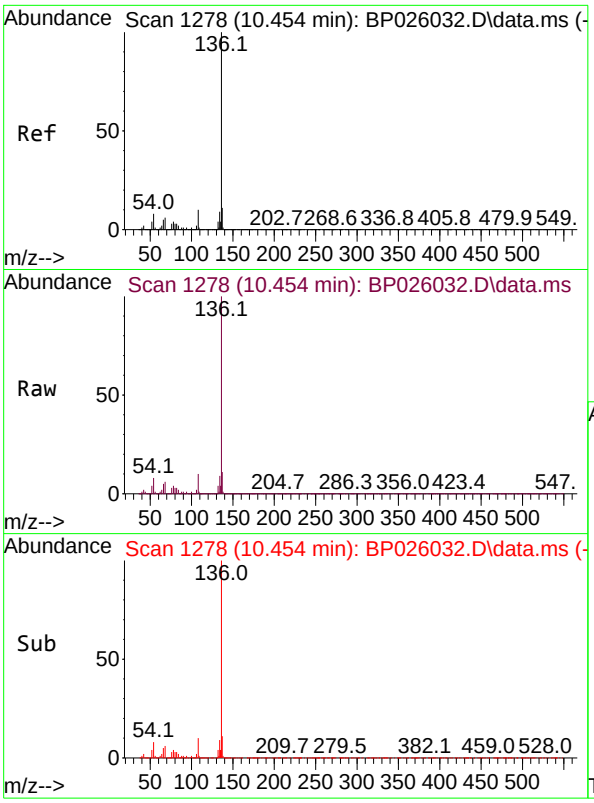


#20
3+4-Methylphenols
Concen: 41.358 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:107 Resp: 945490

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.1	110.1
77	30.7	10.7	50.7
79	26.9	6.9	46.9



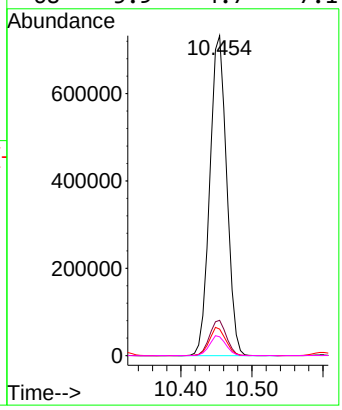


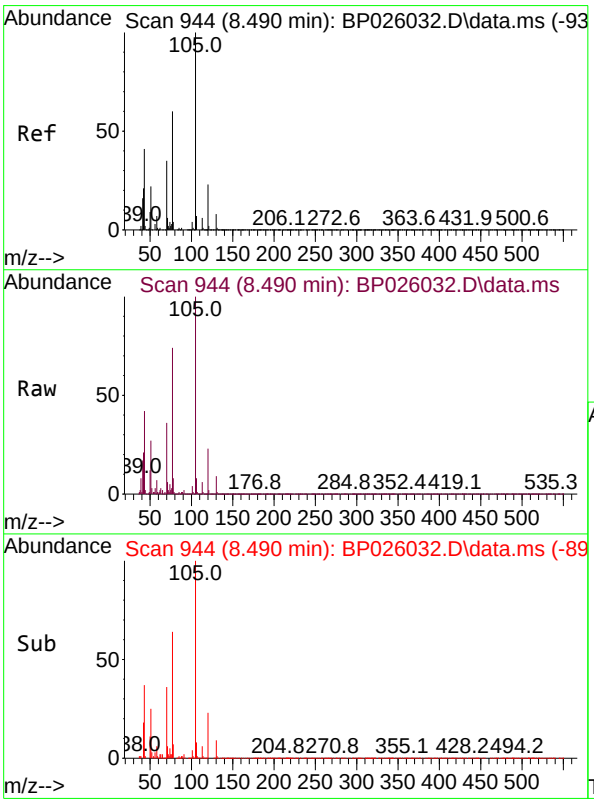
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1204929

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.6	10.0
68	5.9	4.7	7.1

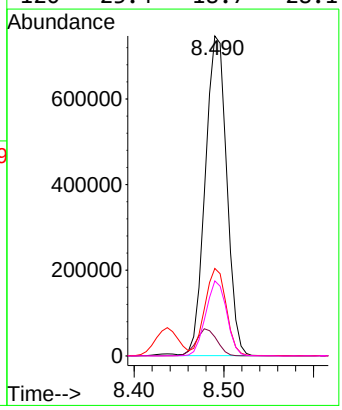


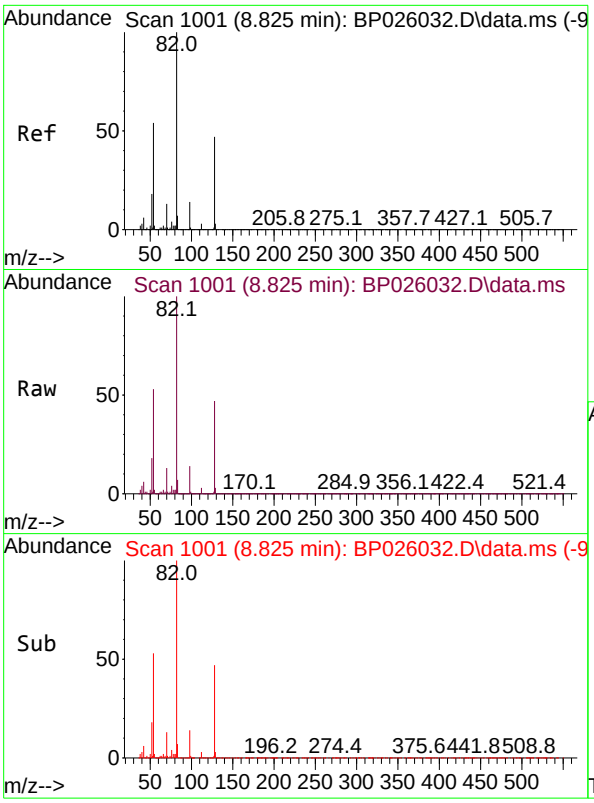


#22
Acetophenone
Concen: 40.939 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:105 Resp: 1247543

Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.7	7.1
51	27.3	21.8	32.8
120	23.4	18.7	28.1



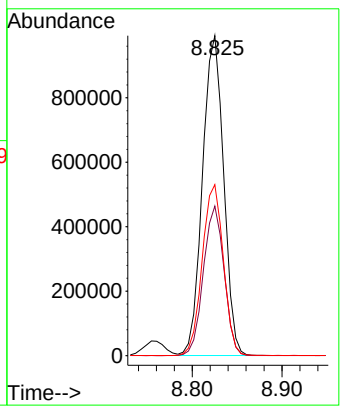


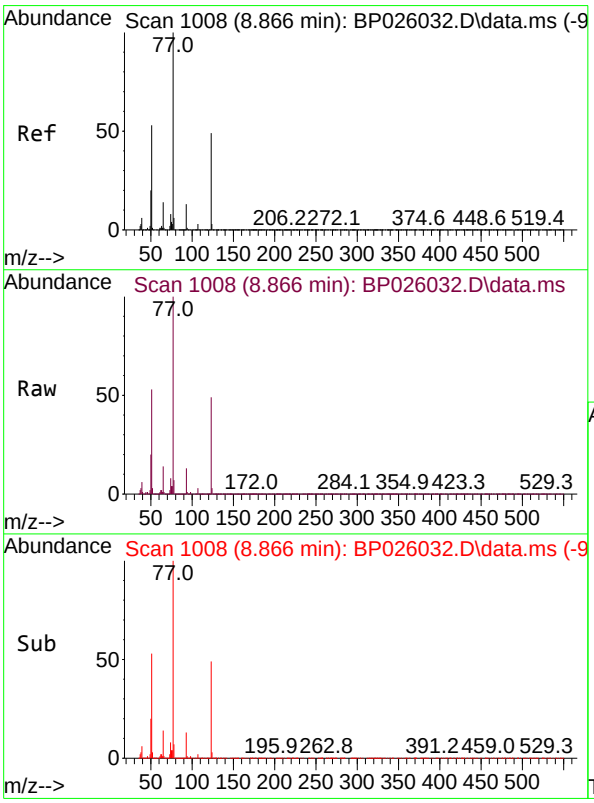
#23
Nitrobenzene-d5
Concen: 84.339 ng
RT: 8.825 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1630132

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	53.4	42.7	64.1

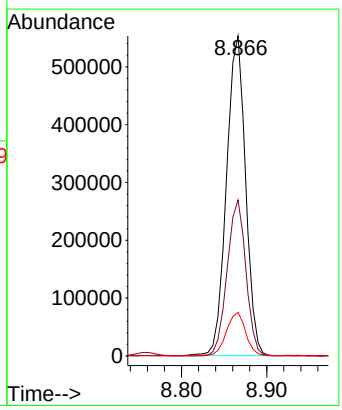


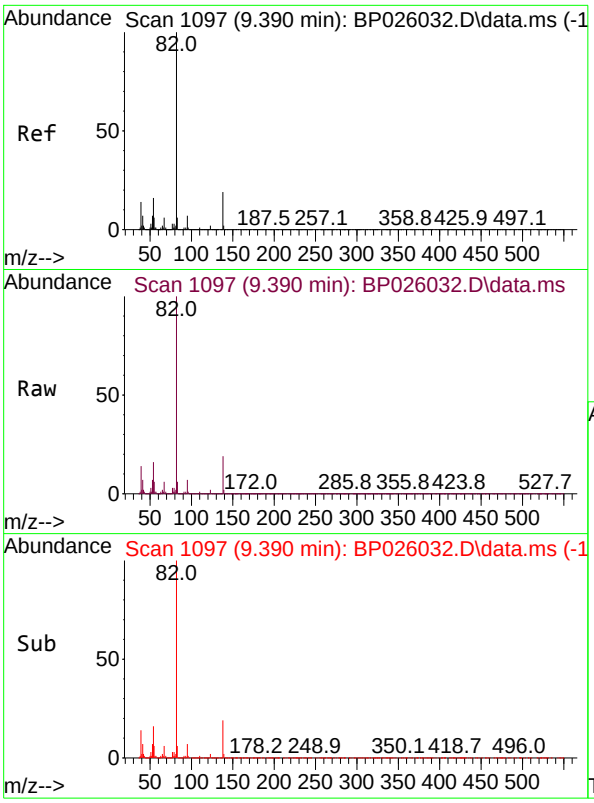


#24
Nitrobenzene
Concen: 42.132 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 77 Resp: 859810

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.0	58.4
65	13.6	10.9	16.3



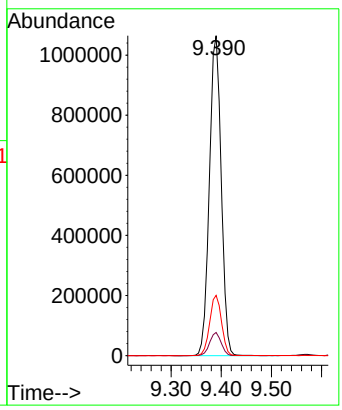


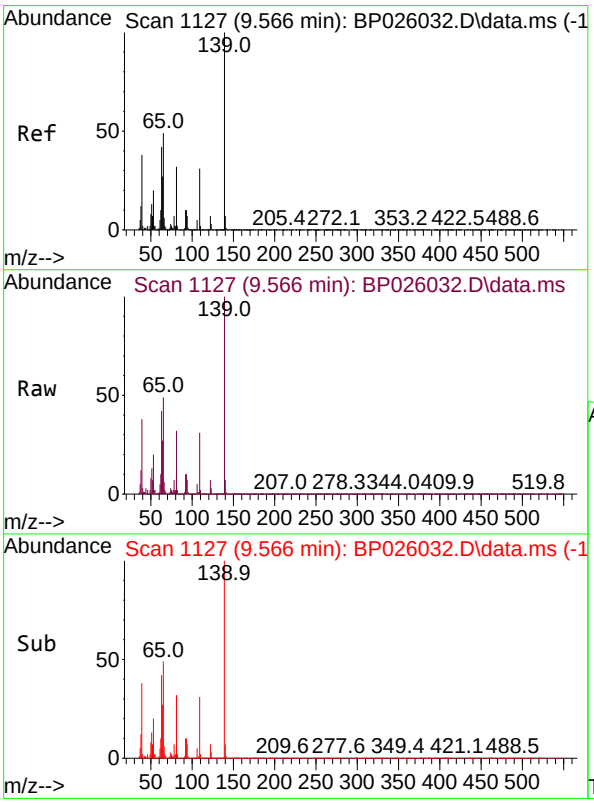
#25
Isophorone
Concen: 41.932 ng
RT: 9.390 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1734781

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.8	15.0	22.6

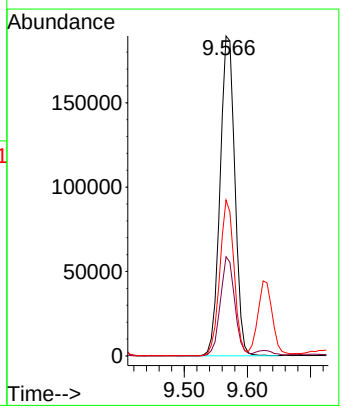


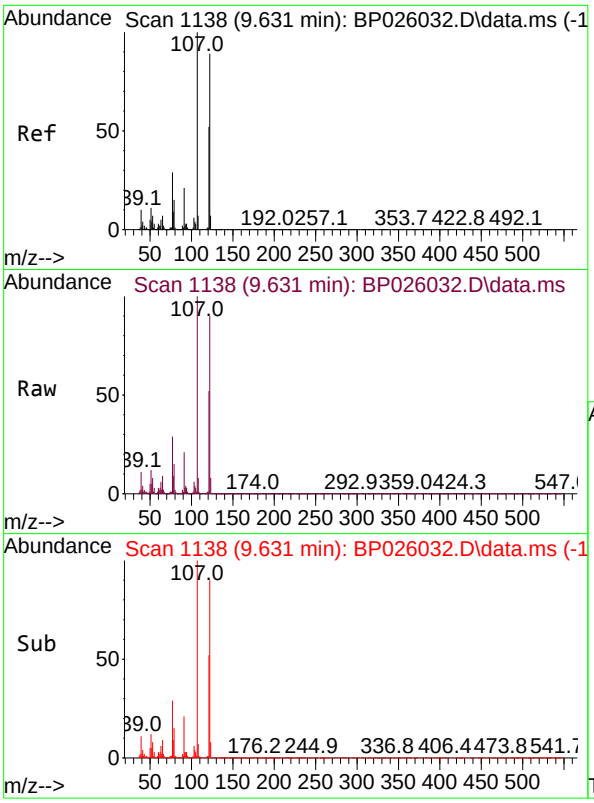


#26
2-Nitrophenol
Concen: 41.419 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:139 Resp: 308209

Ion	Ratio	Lower	Upper
139	100		
109	31.0	24.8	37.2
65	48.7	39.0	58.4



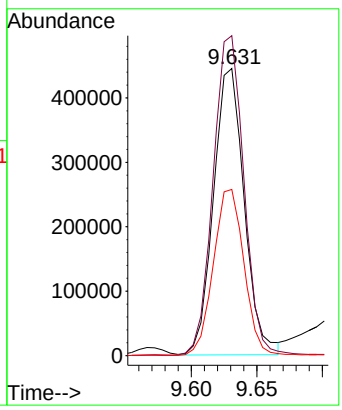


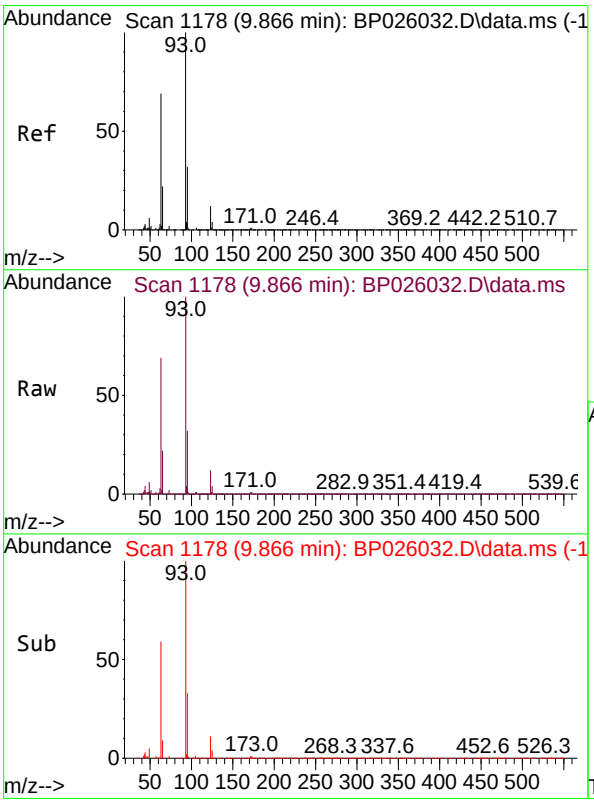
#27
2,4-Dimethylphenol
Concen: 41.876 ng
RT: 9.631 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 728530

Ion	Ratio	Lower	Upper
122	100		
107	111.5	89.2	133.8
121	57.9	46.3	69.5

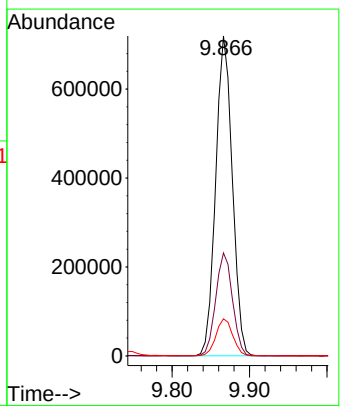


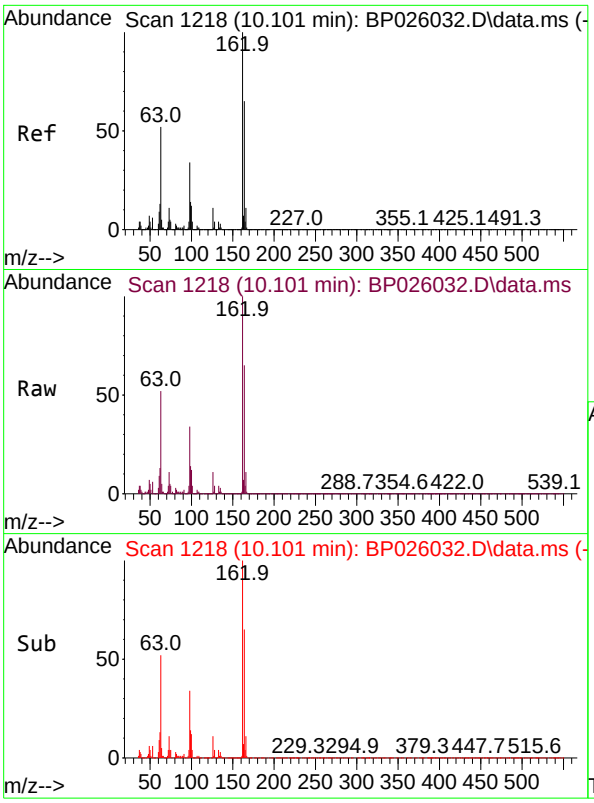


#28
bis(2-Chloroethoxy)methane
Concen: 41.282 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 93 Resp: 1076336

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	11.6	9.3	13.9



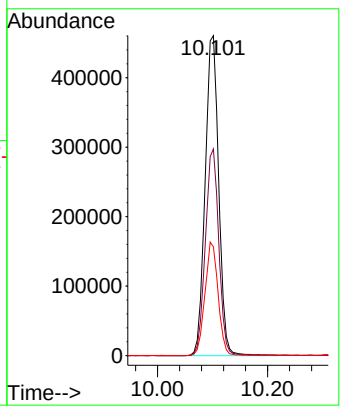


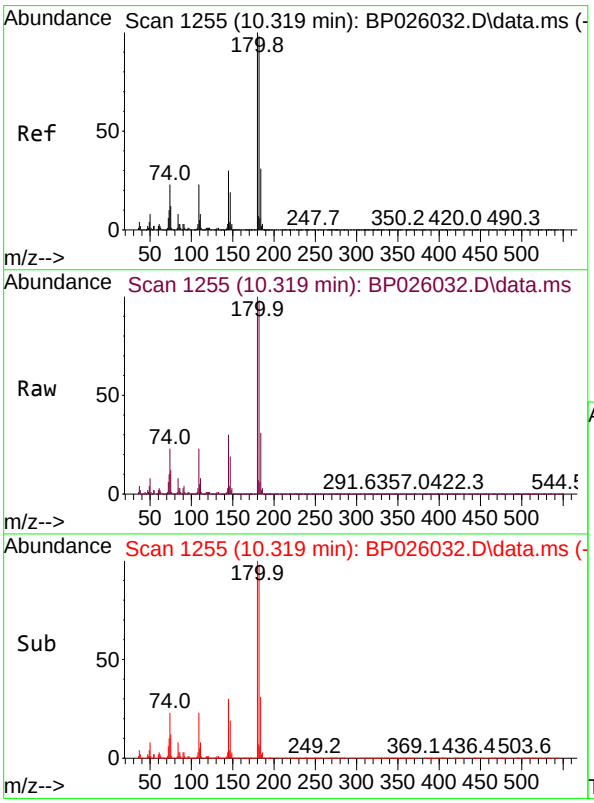
#29
2,4-Dichlorophenol
Concen: 42.949 ng
RT: 10.101 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 788938

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	34.0	14.0	54.0

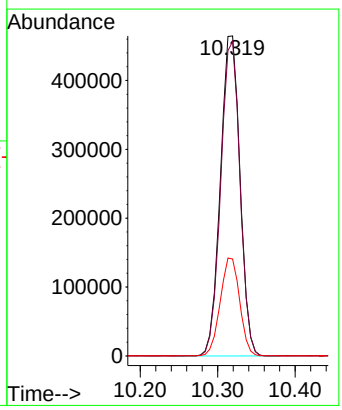


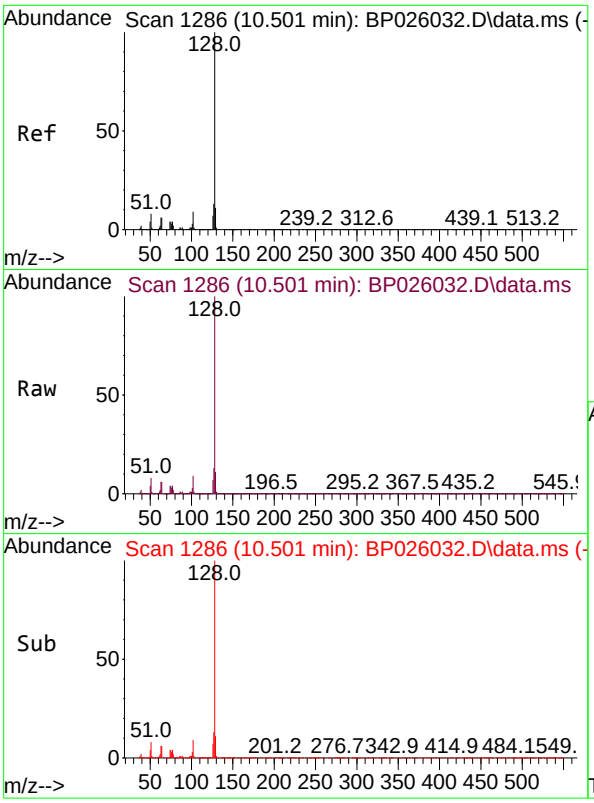


#30
1,2,4-Trichlorobenzene
Concen: 40.968 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:180 Resp: 817950

Ion	Ratio	Lower	Upper
180	100		
182	98.2	78.6	117.8
145	30.3	24.2	36.4



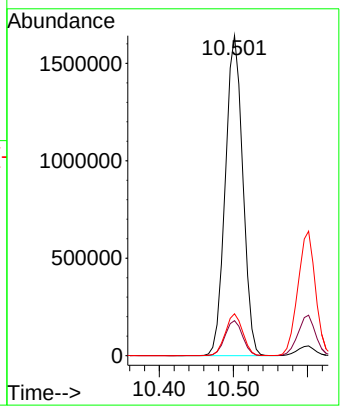


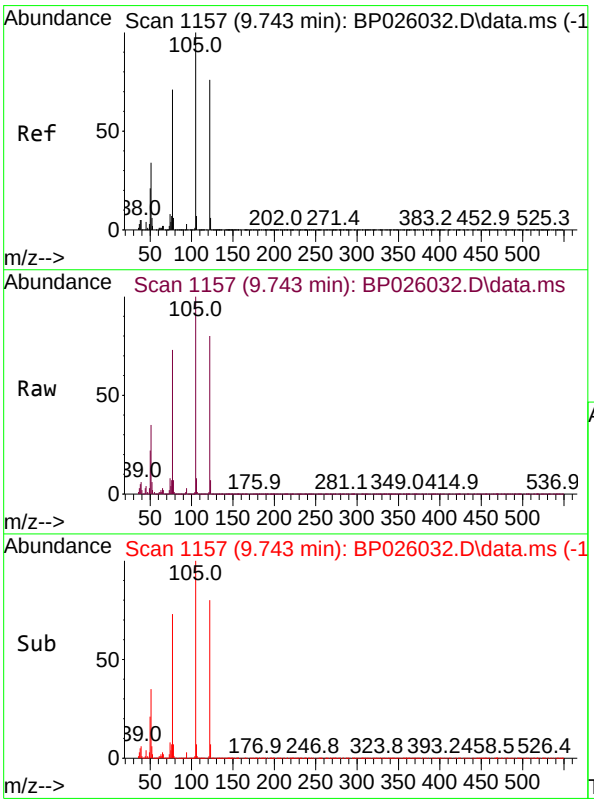
#31
Naphthalene
Concen: 40.893 ng
RT: 10.501 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2686976

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7

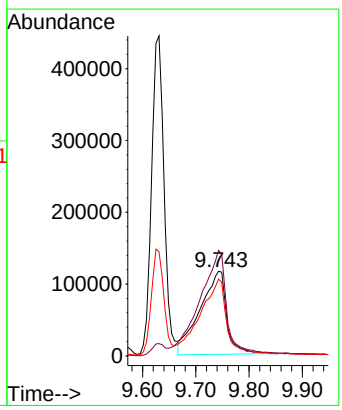


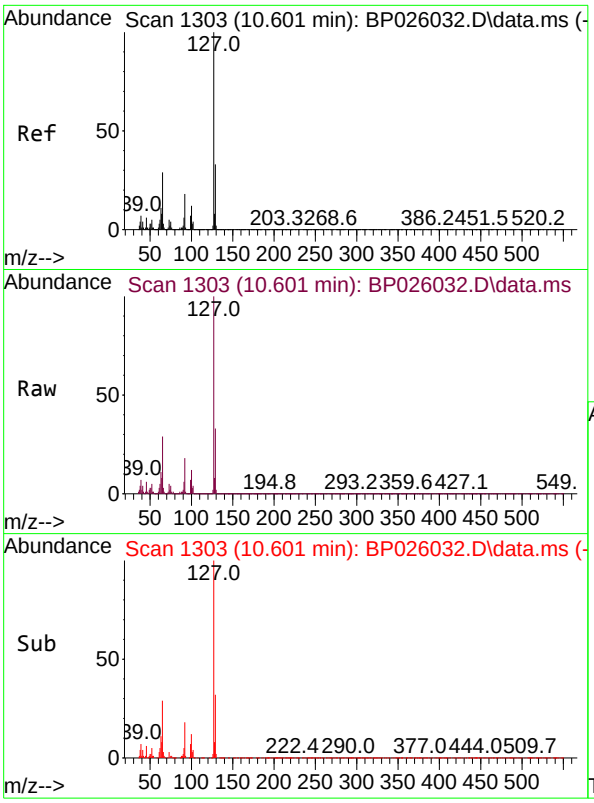


#32
Benzoic acid
Concen: 40.754 ng
RT: 9.743 min Scan# 1157
Delta R.T. -0.035 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:122 Resp: 404584

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	90.9	70.9	110.9



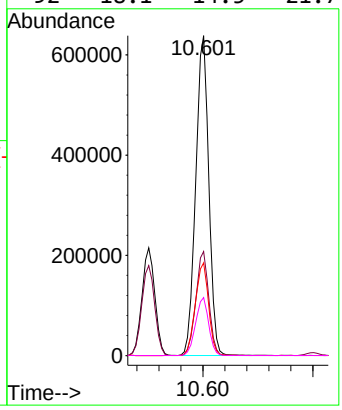


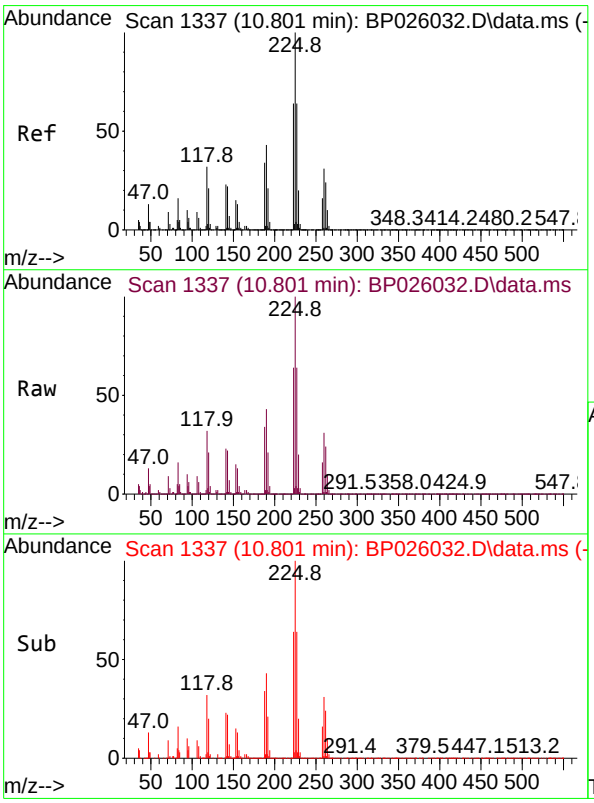
#33
4-Chloroaniline
Concen: 41.701 ng
RT: 10.601 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1052918

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	29.0	23.2	34.8
92	18.1	14.5	21.7

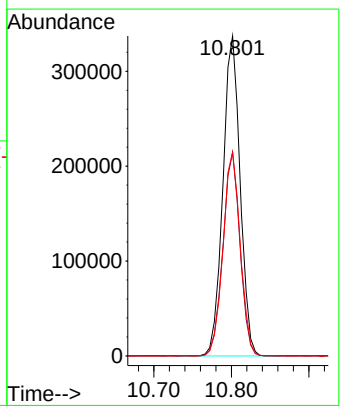


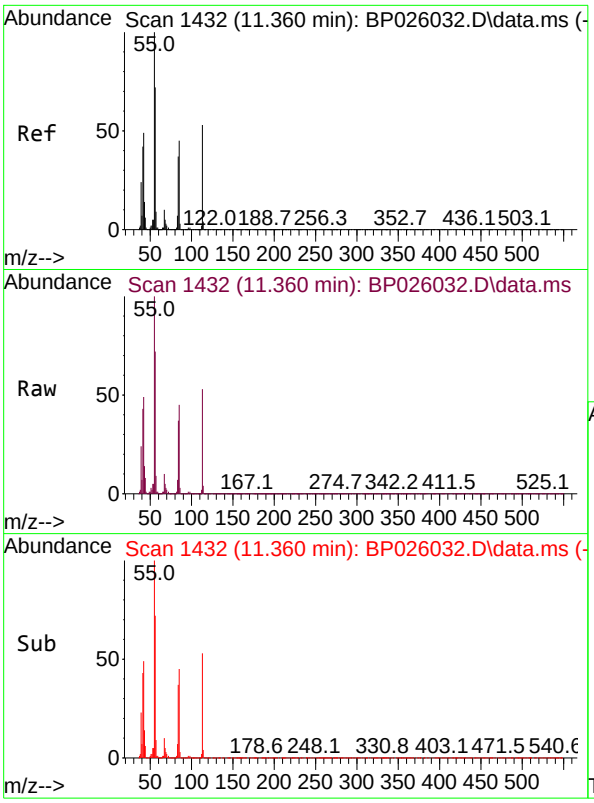


#34
Hexachlorobutadiene
Concen: 41.043 ng
RT: 10.801 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:225 Resp: 520749

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.9	76.3
227	63.7	51.0	76.4



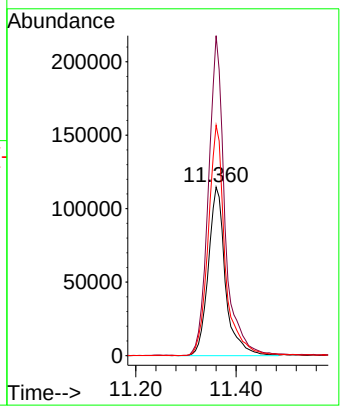


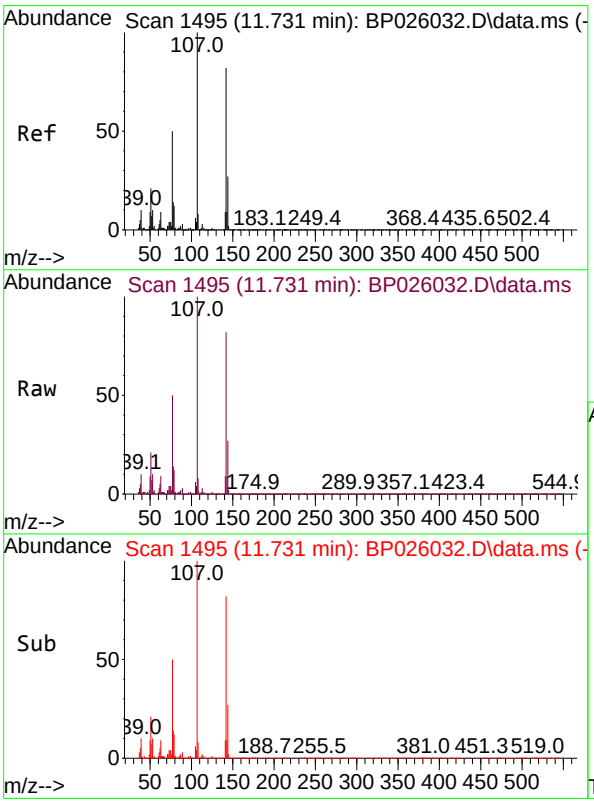
#35
Caprolactam
Concen: 42.147 ng
RT: 11.360 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 271877

Ion	Ratio	Lower	Upper
113	100		
55	189.9	169.9	209.9
56	136.7	116.7	156.7

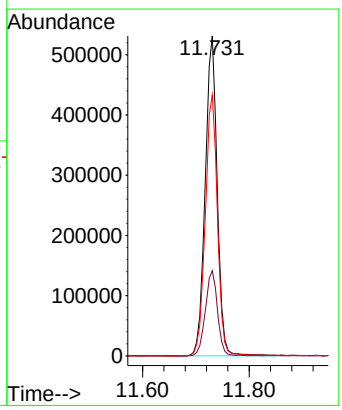


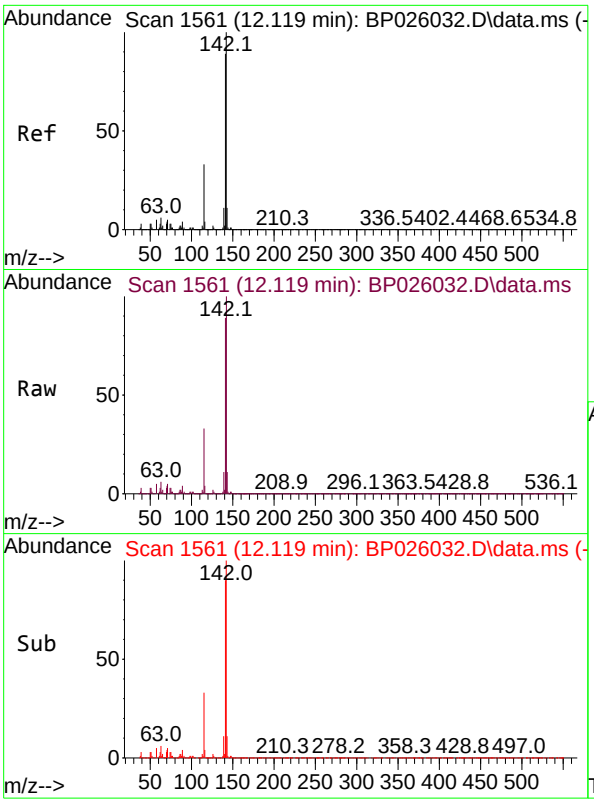


#36
4-Chloro-3-methylphenol
Concen: 43.198 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:107 Resp: 831835

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.5	65.2	97.8



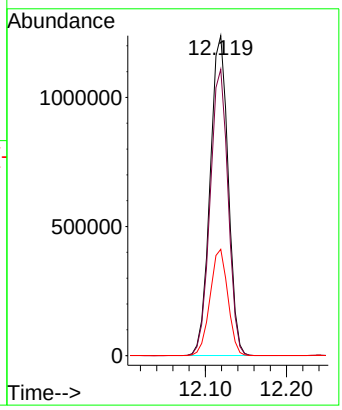


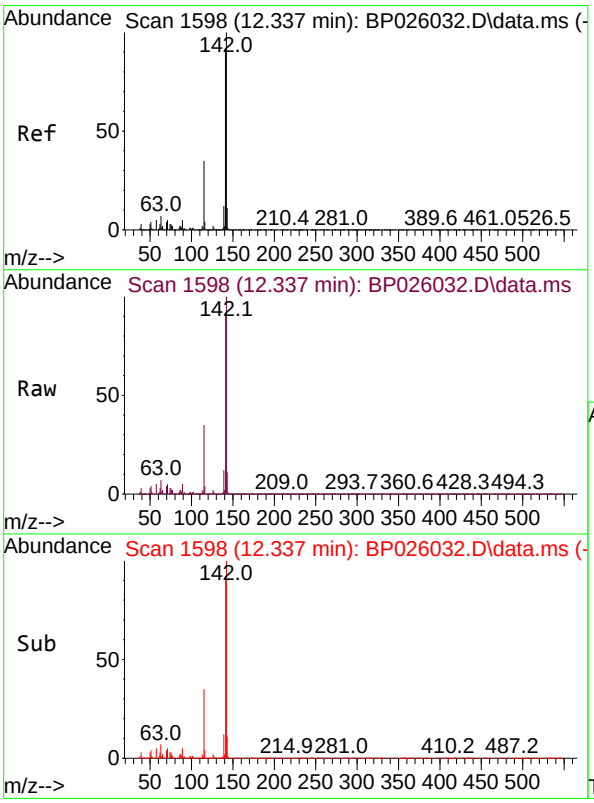
#37
2-Methylnaphthalene
Concen: 41.663 ng
RT: 12.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1916037

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	33.2	26.6	39.8

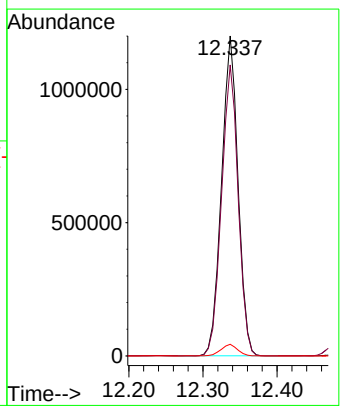


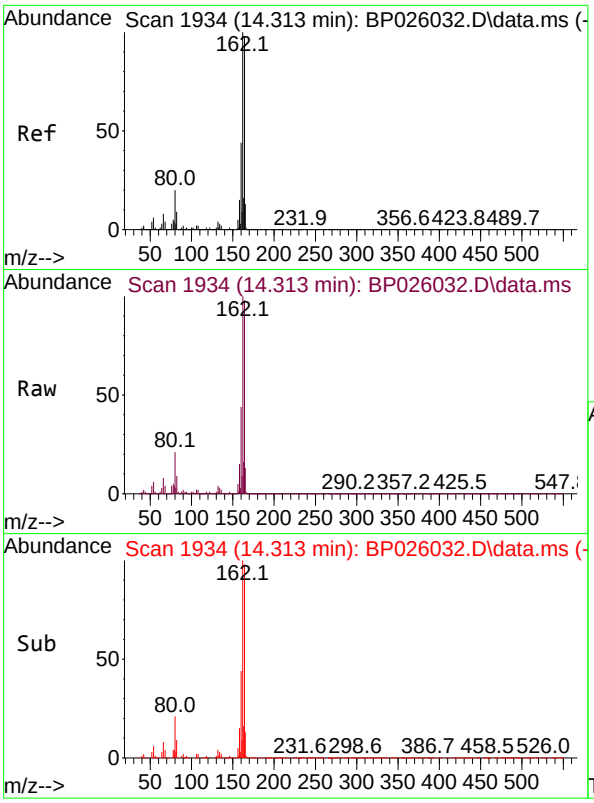


#38
1-Methylnaphthalene
Concen: 41.416 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.001 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:142 Resp: 1850373

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
116	3.6	2.9	4.3



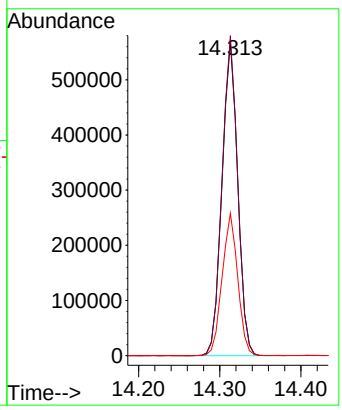


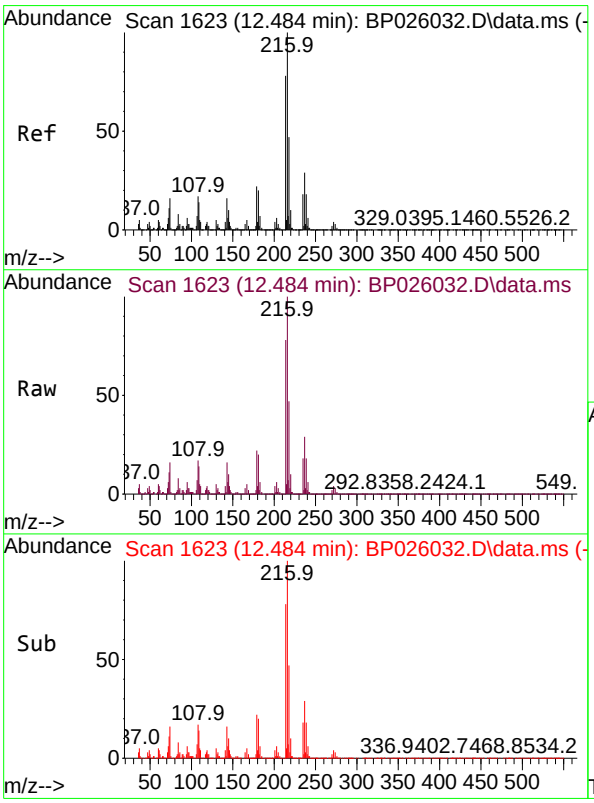
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 764236

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	45.3	36.2	54.4

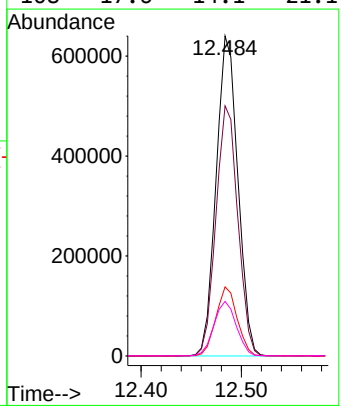


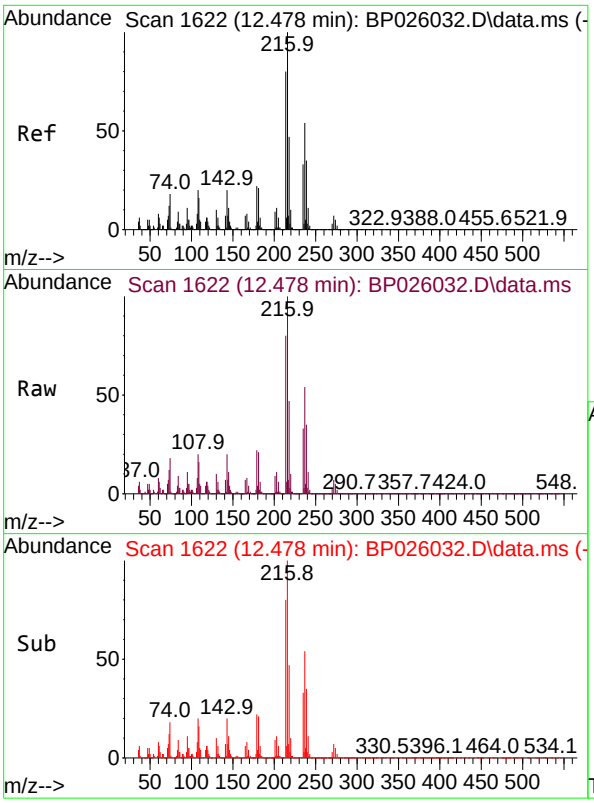


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.707 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:216 Resp: 966620

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	17.6	14.1	21.1



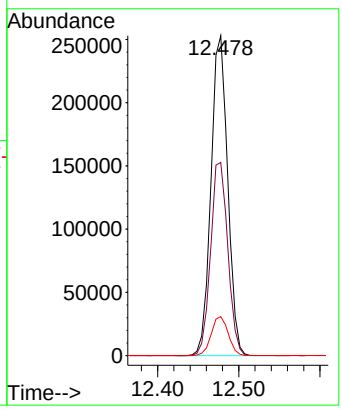


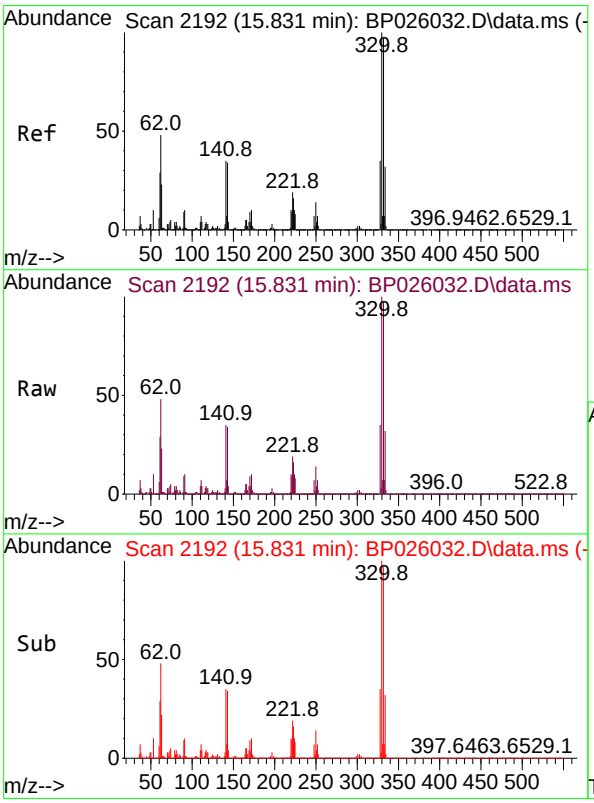
#41
Hexachlorocyclopentadiene
Concen: 41.615 ng
RT: 12.478 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 361557

Ion	Ratio	Lower	Upper
237	100		
235	60.4	40.4	80.4
272	12.2	0.0	32.2

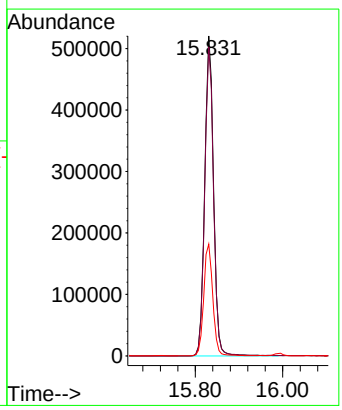


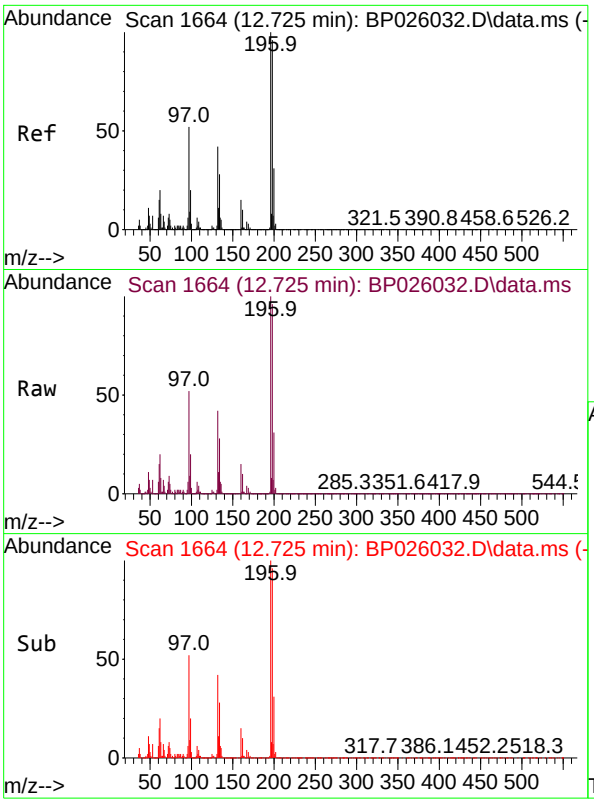


#42
2,4,6-Tribromophenol
Concen: 87.488 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:330 Resp: 722838

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	35.7	28.6	42.8



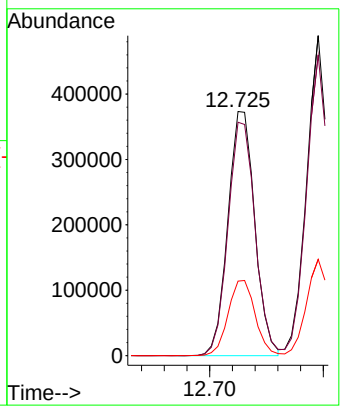


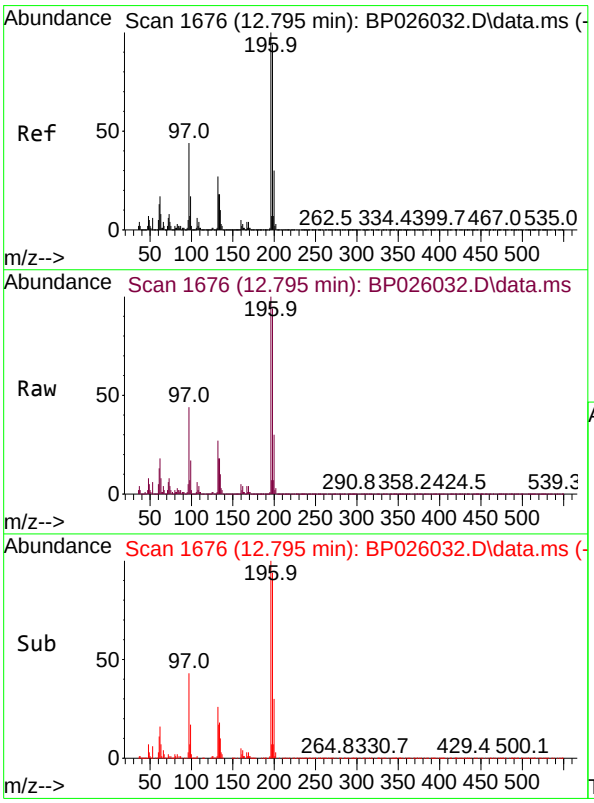
#43
2,4,6-Trichlorophenol
Concen: 43.748 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 614032

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.5	114.7
200	30.5	24.4	36.6

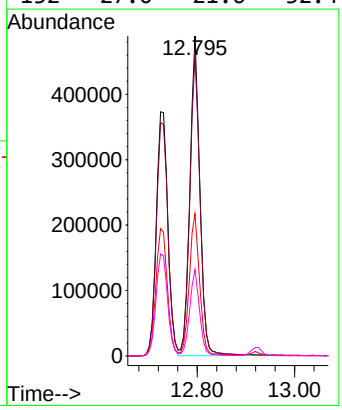


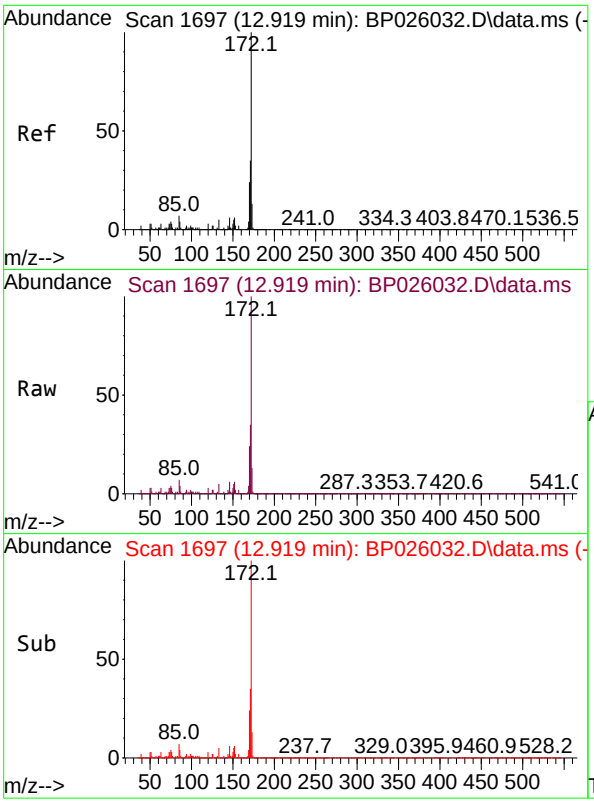


#44
2,4,5-Trichlorophenol
Concen: 43.536 ng
RT: 12.795 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:196 Resp: 697254

Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.1	112.7
97	44.4	35.5	53.3
132	27.0	21.6	32.4



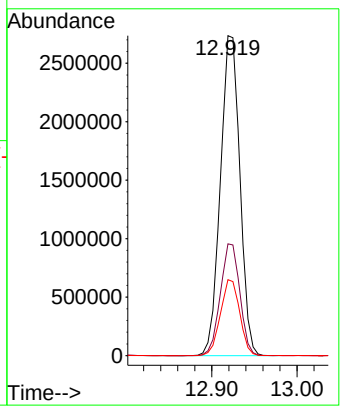


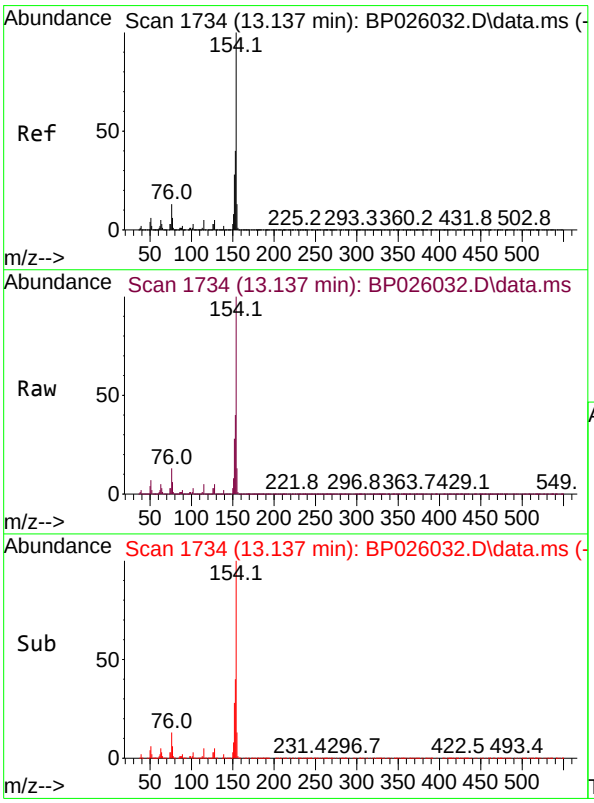
#45
2-Fluorobiphenyl
Concen: 81.651 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4342634

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.7	19.0	28.4

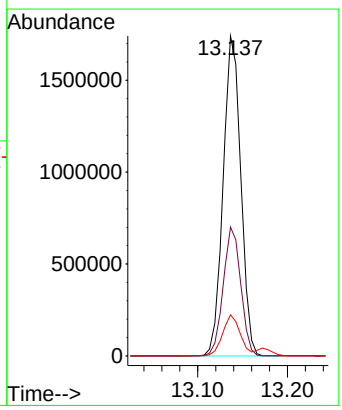


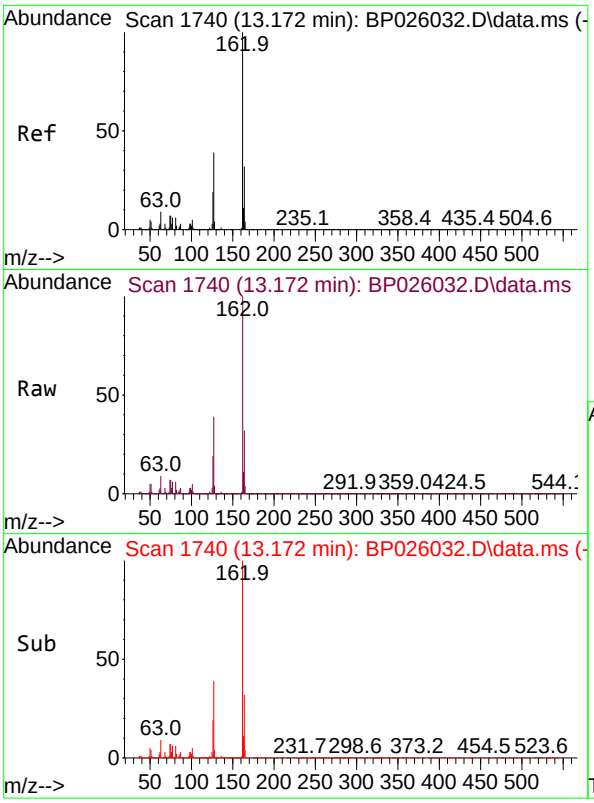


#46
1,1'-Biphenyl
Concen: 40.756 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:154 Resp: 2384975

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	12.8	0.0	32.8



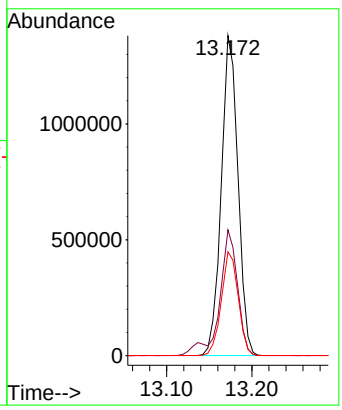


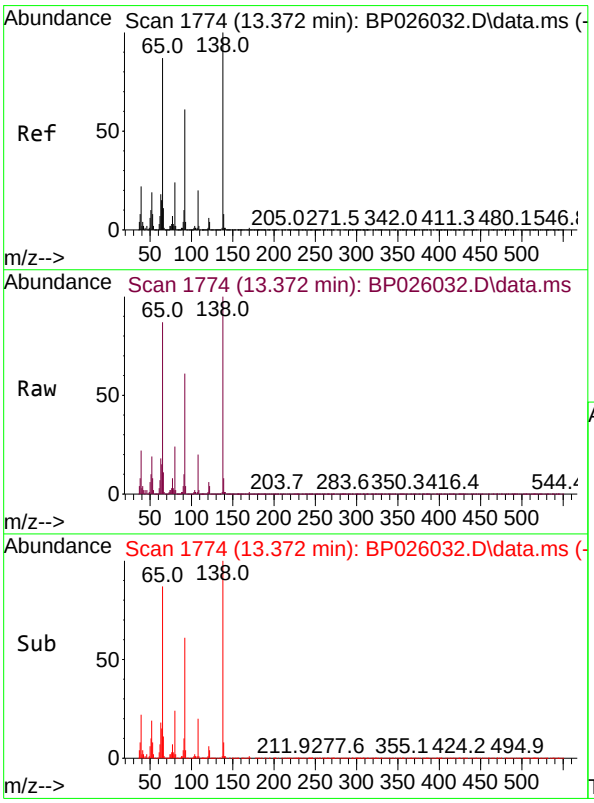
#47
2-Chloronaphthalene
Concen: 40.808 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1878852

Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.4	47.2
164	32.4	25.9	38.9

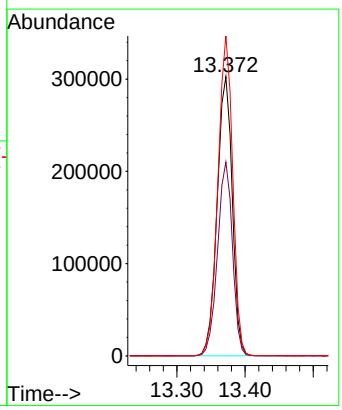


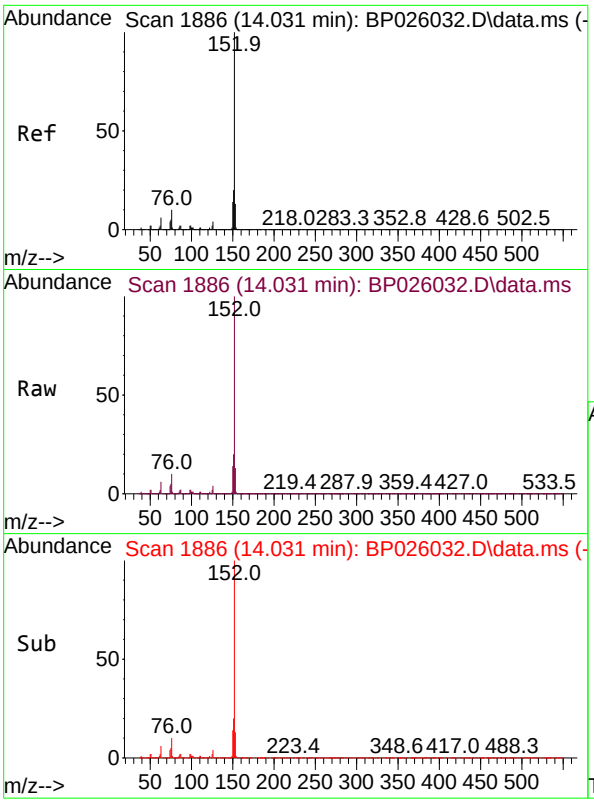


#48
2-Nitroaniline
Concen: 40.401 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion: 65 Resp: 464490

Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.5	83.3
138	114.6	91.7	137.5



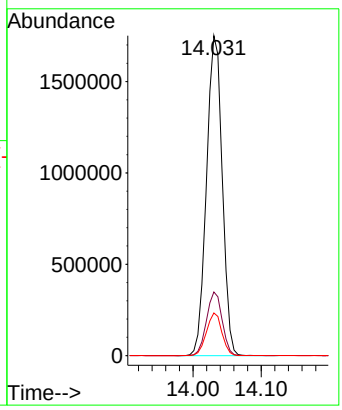


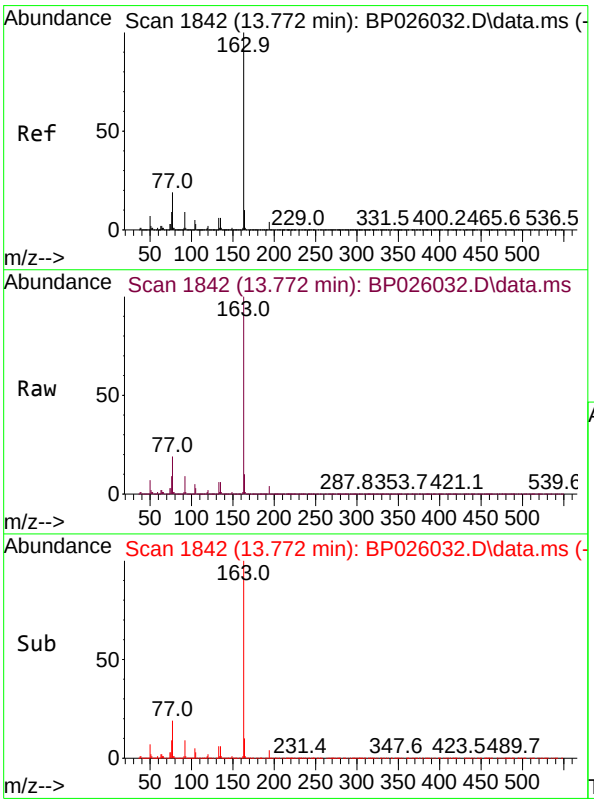
#49
Acenaphthylene
Concen: 41.727 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2800152

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

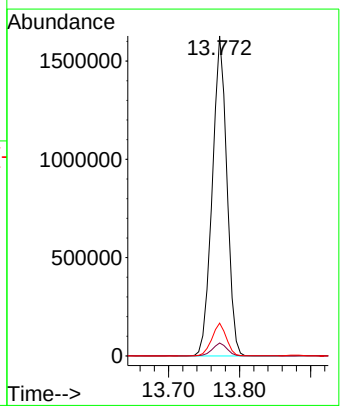


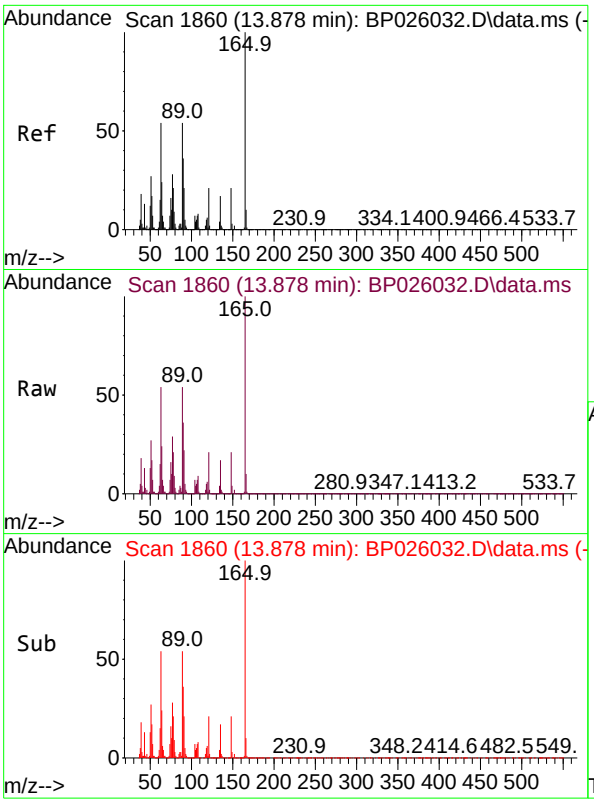


#50
Dimethylphthalate
Concen: 41.854 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:163 Resp: 2326622

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2



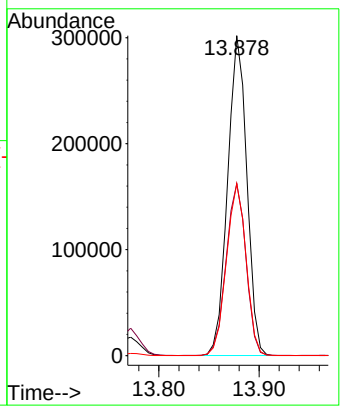


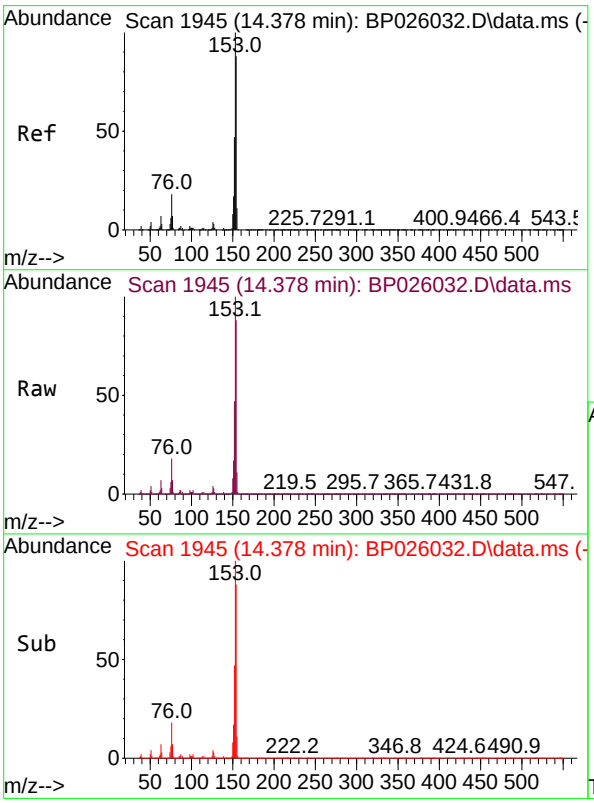
#51
2,6-Dinitrotoluene
Concen: 39.911 ng
RT: 13.878 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 402854

Ion	Ratio	Lower	Upper
165	100		
63	53.7	43.0	64.4
89	53.7	43.0	64.4

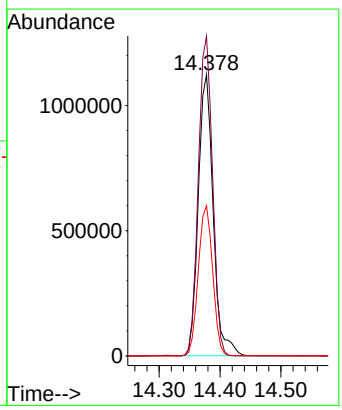


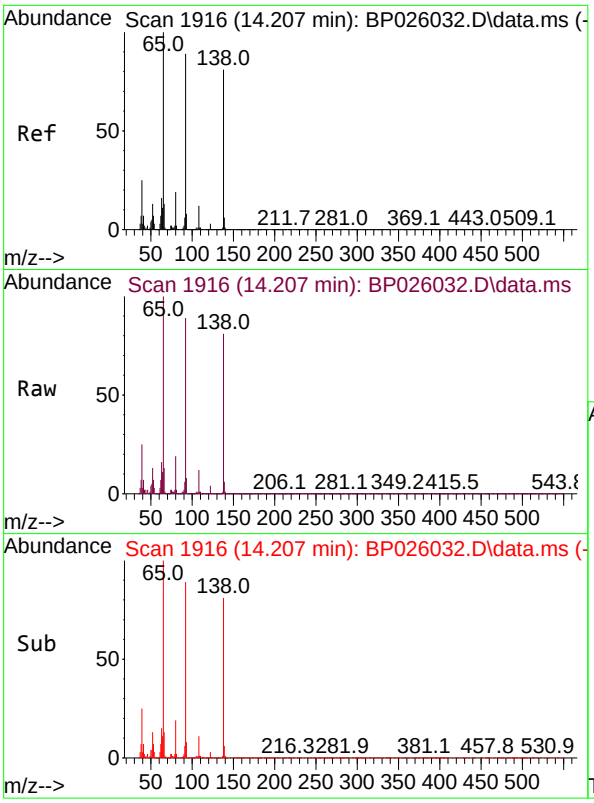


#52
Acenaphthene
Concen: 41.440 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:154 Resp: 1909071

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	53.4	42.7	64.1



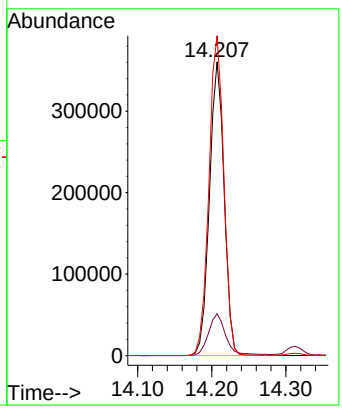


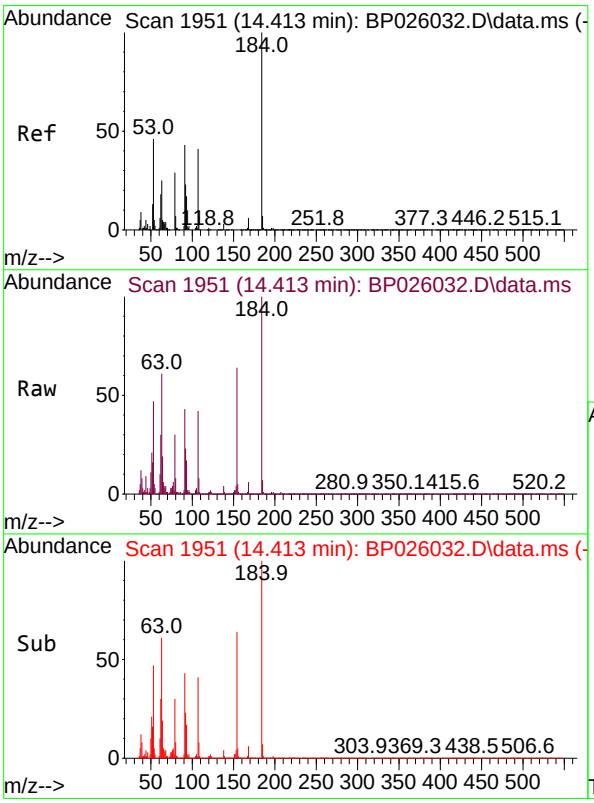
#53
3-Nitroaniline
Concen: 40.022 ng
RT: 14.207 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 495409

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	108.9	87.1	130.7

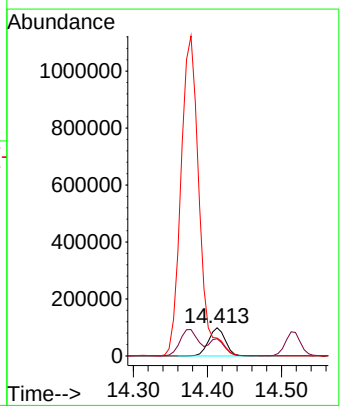


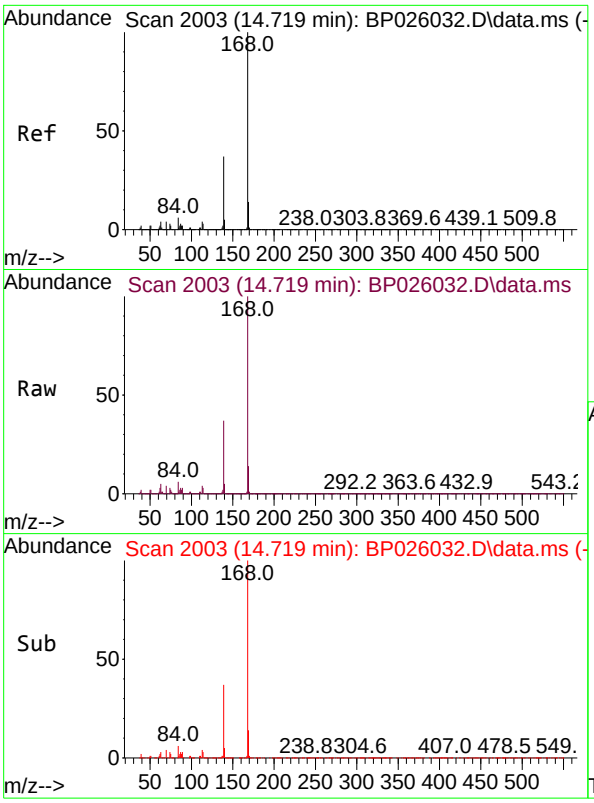


#54
2,4-Dinitrophenol
Concen: 40.475 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:184 Resp: 153212

Ion	Ratio	Lower	Upper
184	100		
63	61.2	49.0	73.4
154	63.8	51.0	76.6



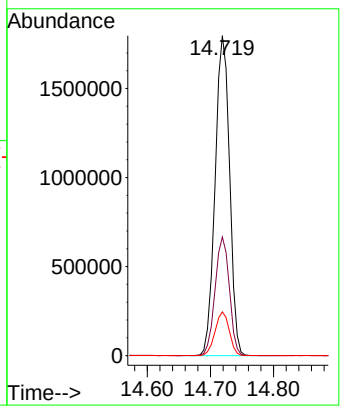


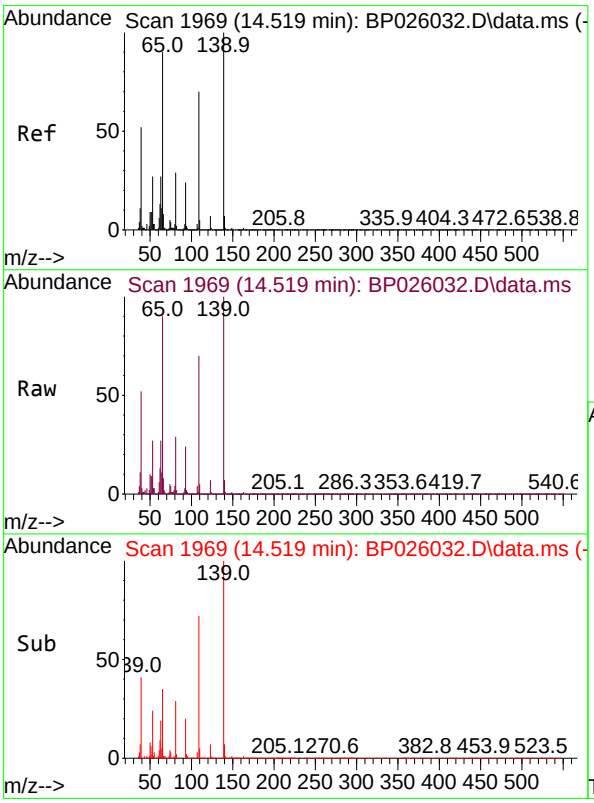
#55
Dibenzofuran
Concen: 41.043 ng
RT: 14.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2856737

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.7	44.5
169	13.7	11.0	16.4

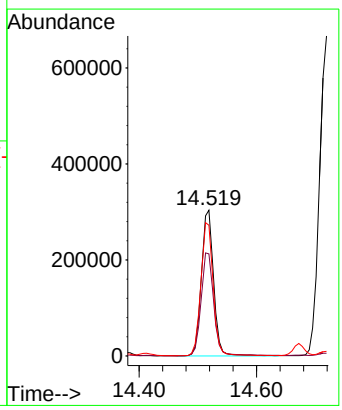


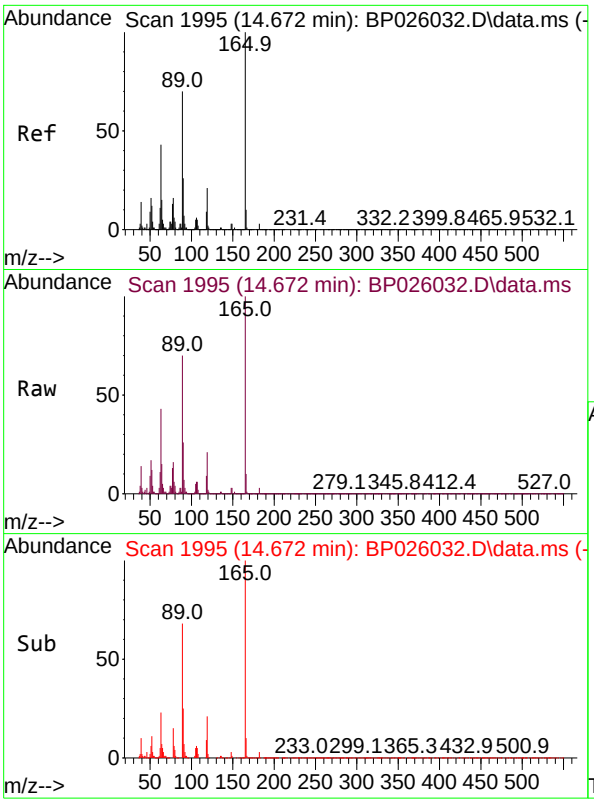


#56
4-Nitrophenol
Concen: 39.340 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:139 Resp: 436072

Ion	Ratio	Lower	Upper
139	100		
109	70.0	50.0	90.0
65	89.6	69.6	109.6



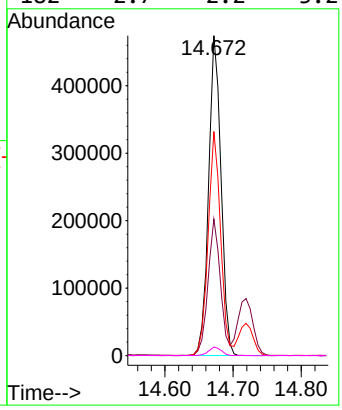


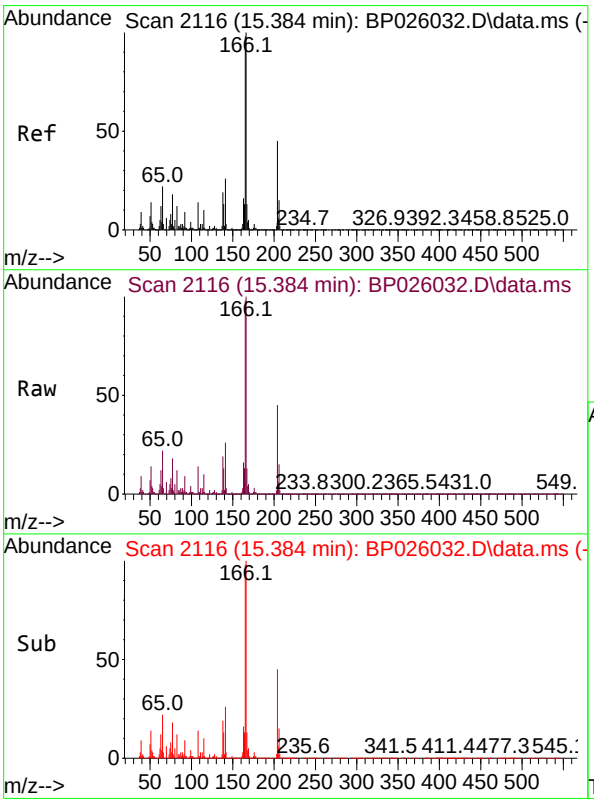
#57
2,4-Dinitrotoluene
Concen: 40.877 ng
RT: 14.672 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 600497

Ion	Ratio	Lower	Upper
165	100		
63	42.7	34.2	51.2
89	70.0	56.0	84.0
182	2.7	2.2	3.2

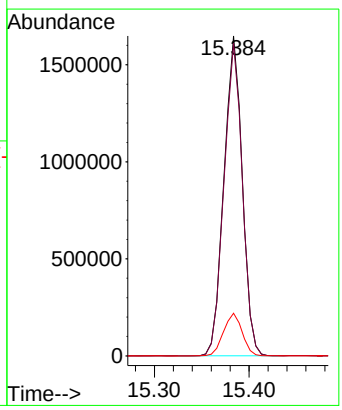


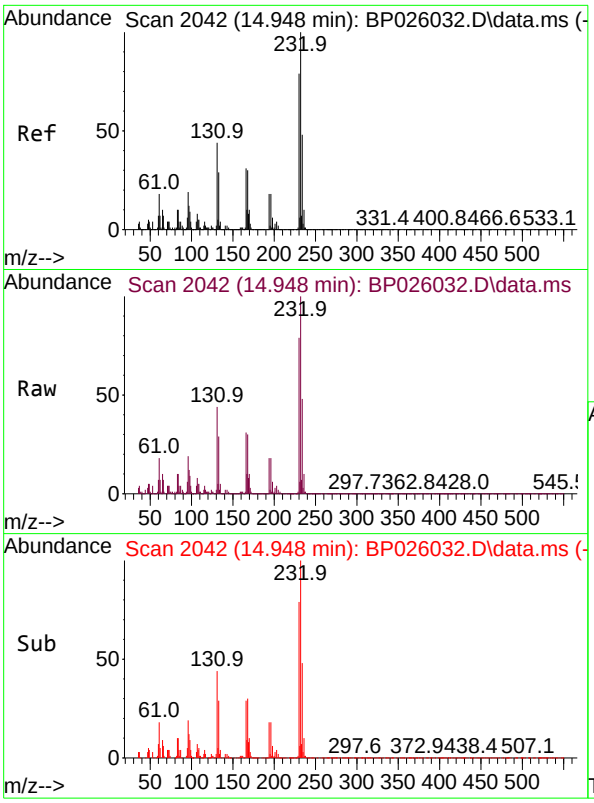


#58
Fluorene
Concen: 40.643 ng
RT: 15.384 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:166 Resp: 2216283

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.3	10.6	16.0



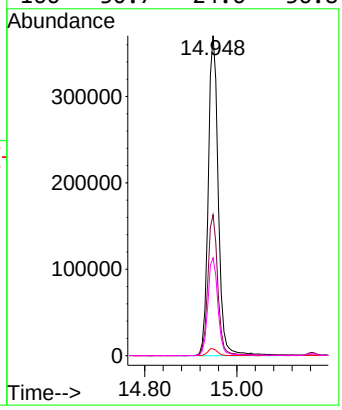


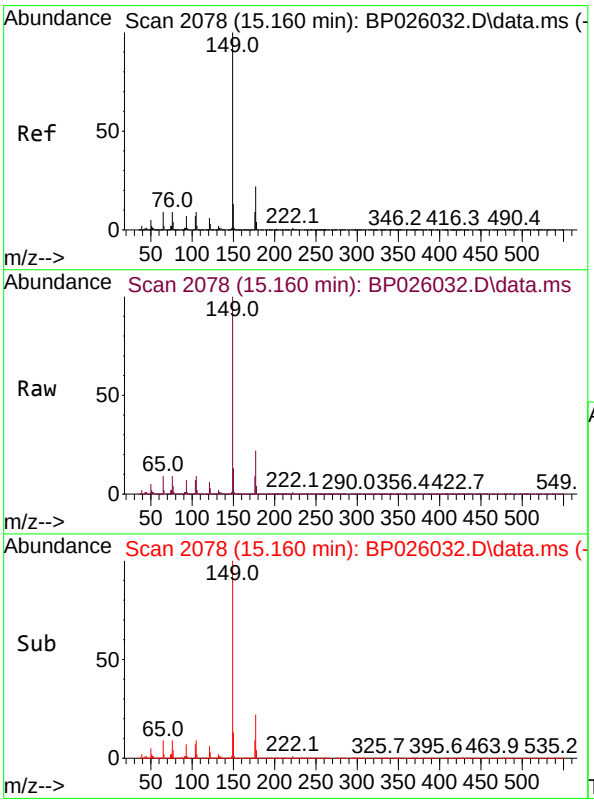
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.213 ng
RT: 14.948 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 556750

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.2	52.8
130	2.1	1.7	2.5
166	30.7	24.6	36.8

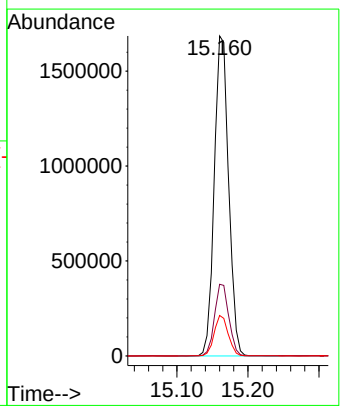


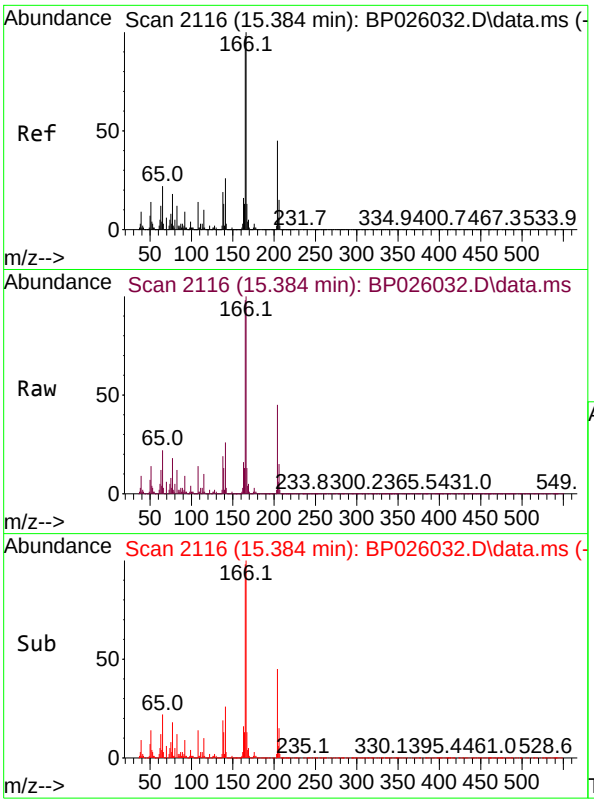


#60
Diethylphthalate
Concen: 42.357 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 2367180

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.6	10.1	15.1



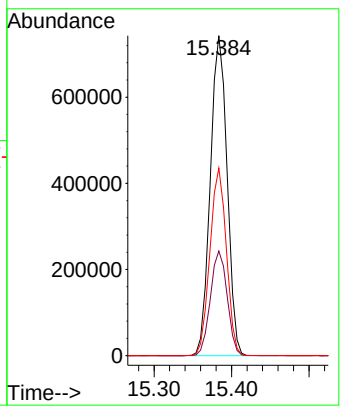


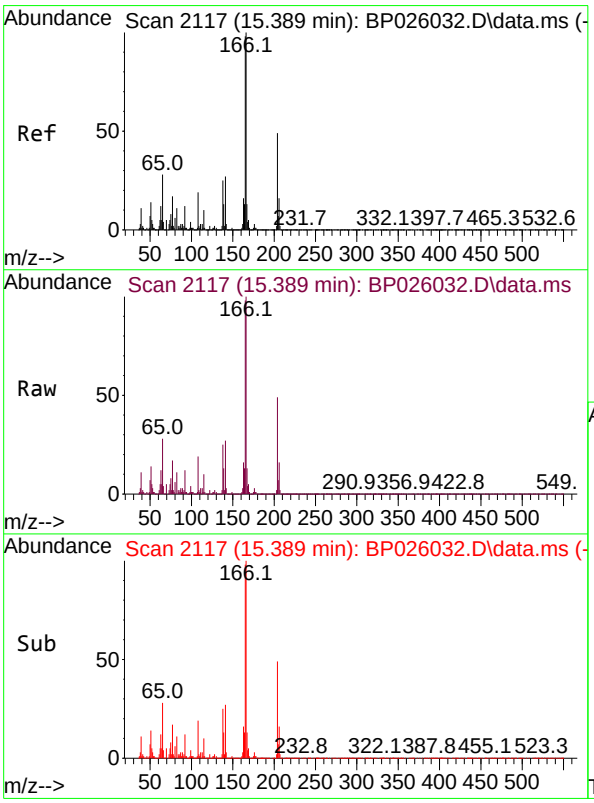
#61
4-Chlorophenyl-phenylether
Concen: 41.008 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1116700

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	58.7	47.0	70.4

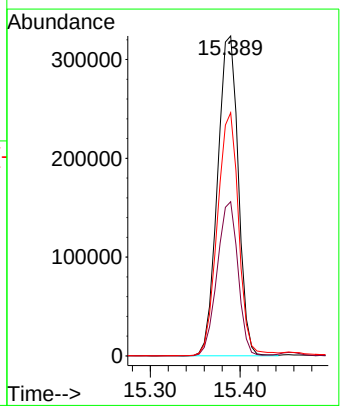


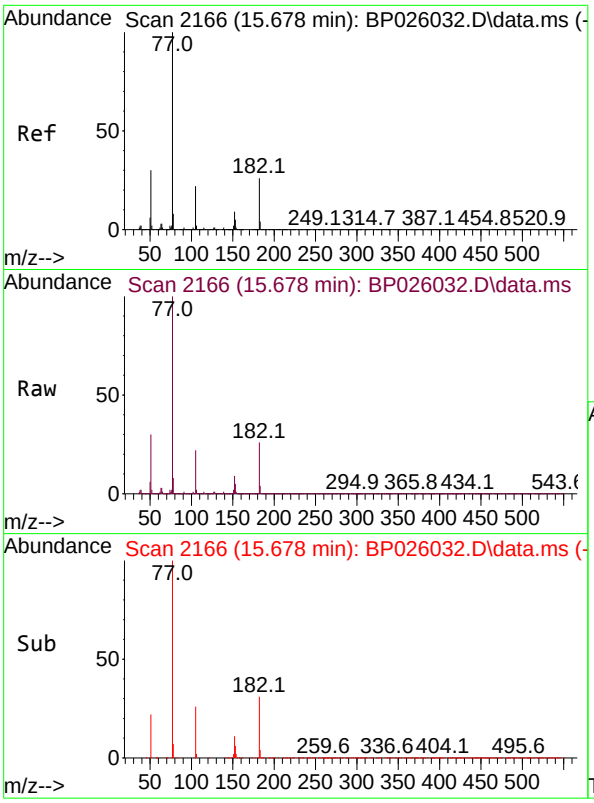


#62
4-Nitroaniline
Concen: 44.005 ng
RT: 15.389 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:138 Resp: 522724

Ion	Ratio	Lower	Upper
138	100		
92	48.2	28.2	68.2
108	76.0	56.0	96.0



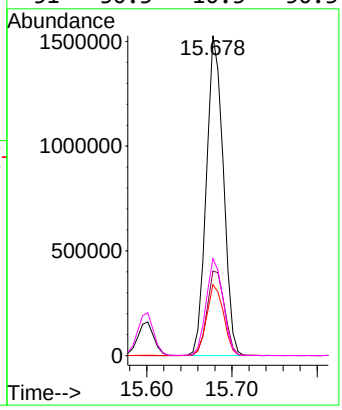


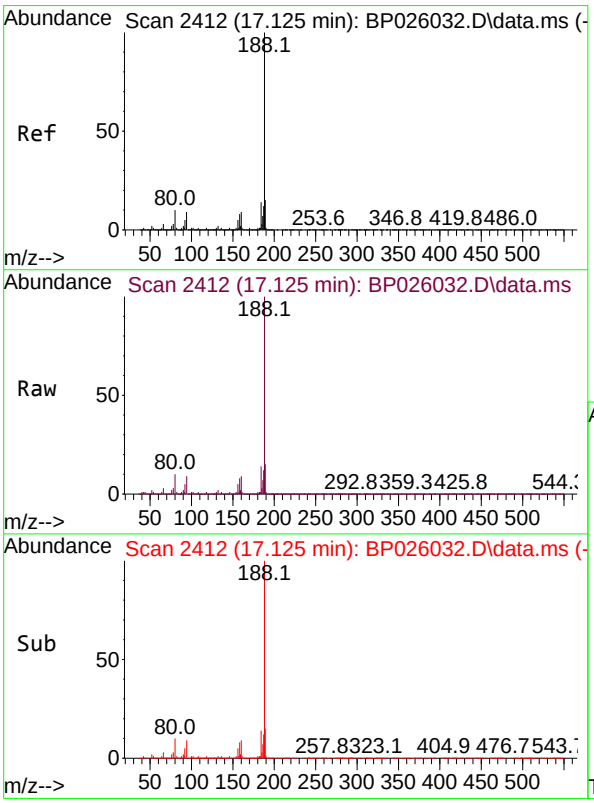
#63
Azobenzene
Concen: 41.601 ng
RT: 15.678 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 2107059

Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.4	46.4
105	22.2	2.2	42.2
51	30.3	10.3	50.3

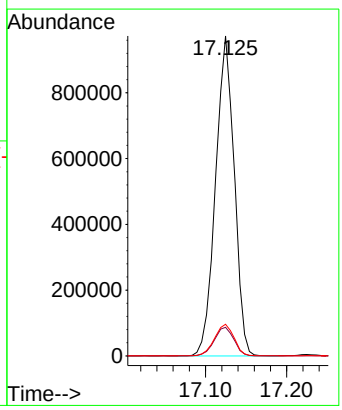


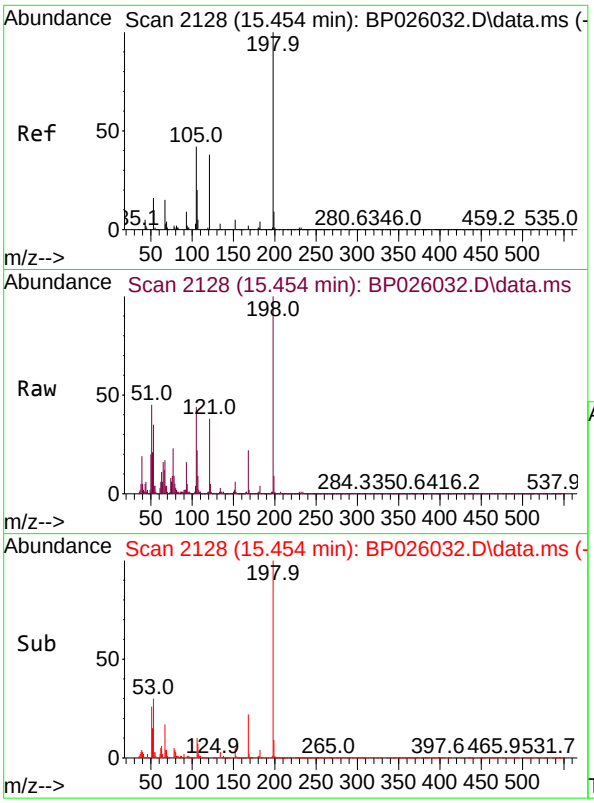


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:188 Resp: 1555861

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.1	10.7
80	9.9	7.9	11.9



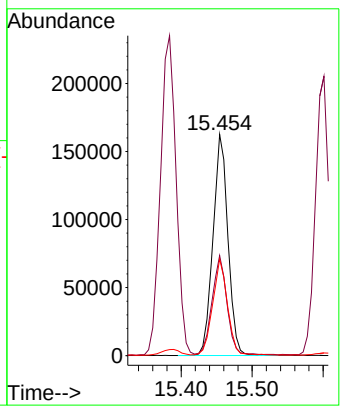


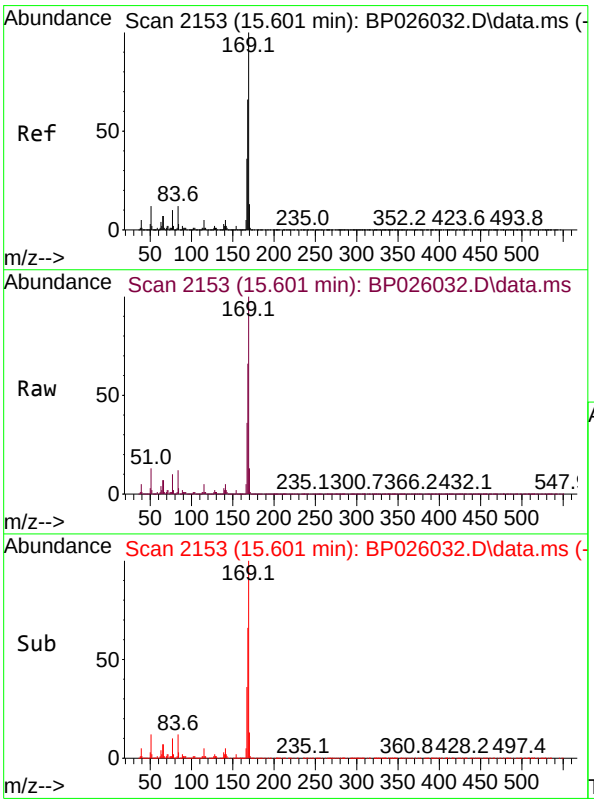
#65
4,6-Dinitro-2-methylphenol
Concen: 39.981 ng
RT: 15.454 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 237899

Ion	Ratio	Lower	Upper
198	100		
51	45.2	25.2	65.2
105	43.7	23.7	63.7

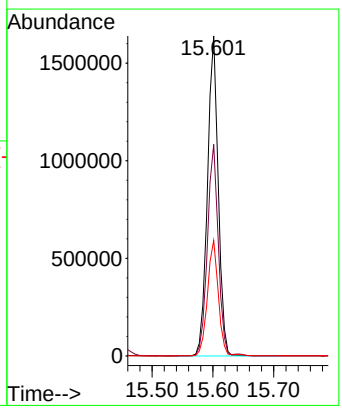


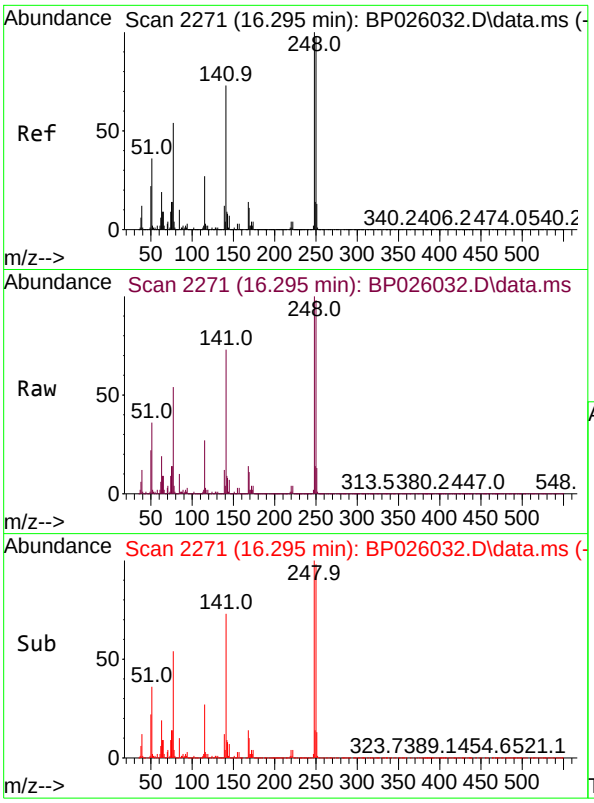


#66
n-Nitrosodiphenylamine
Concen: 41.369 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:169 Resp: 2012448

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.9	79.3
167	36.1	28.9	43.3



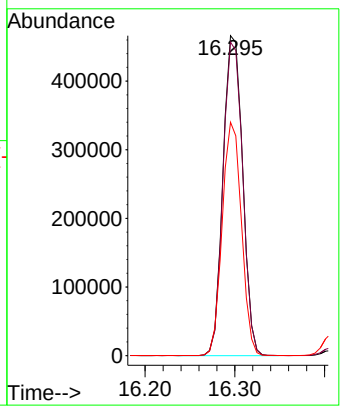


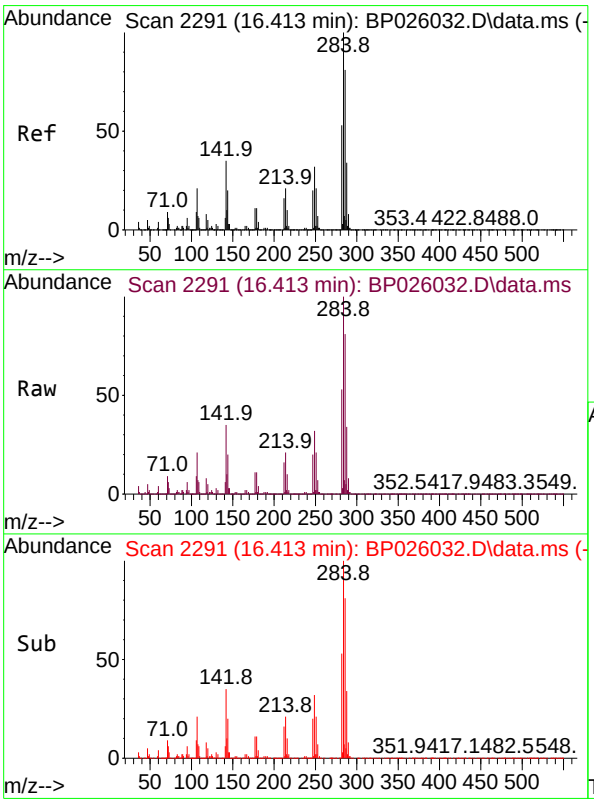
#67
4-Bromophenyl-phenylether
Concen: 41.150 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 710184

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.4	117.6
141	72.9	58.3	87.5

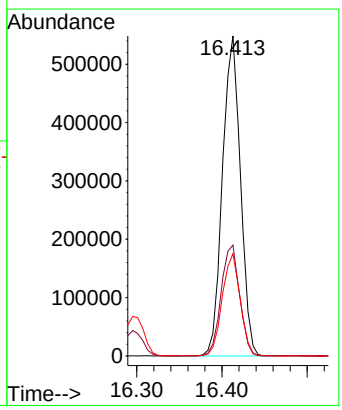


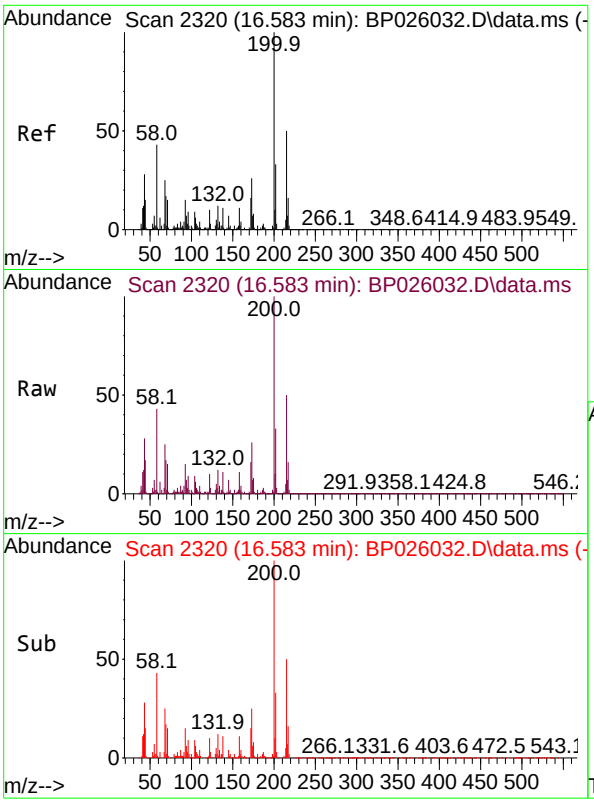


#68
Hexachlorobenzene
Concen: 40.808 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:284 Resp: 801740

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.7	41.5
249	31.9	25.5	38.3



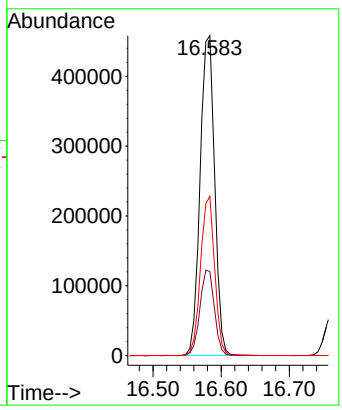


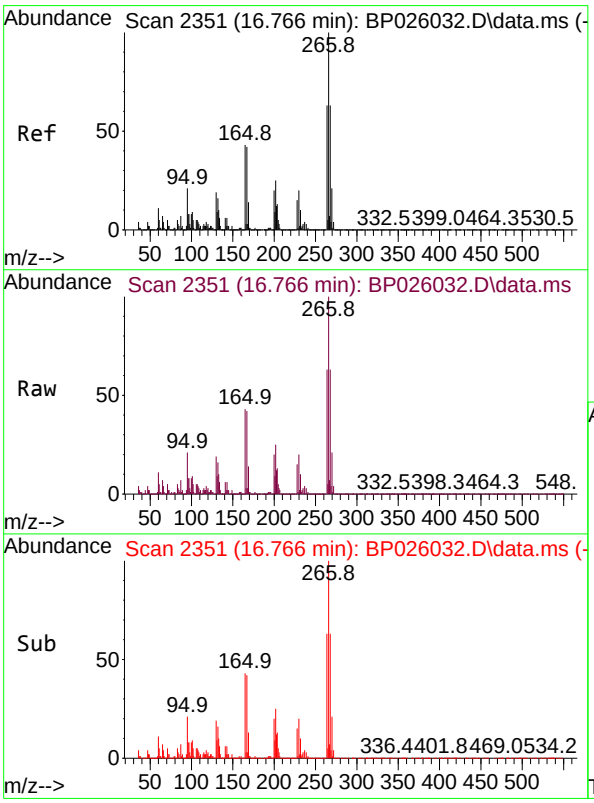
#69
Atrazine
Concen: 41.518 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 681323

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	49.8	29.8	69.8

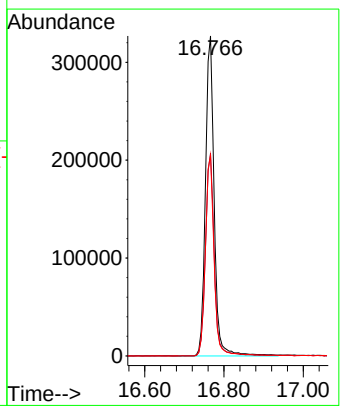


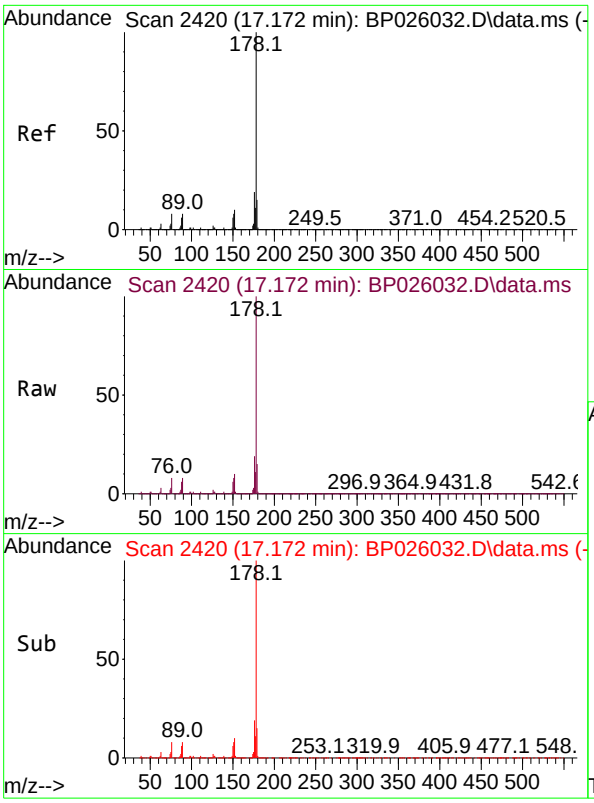


#70
Pentachlorophenol
Concen: 41.647 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:266 Resp: 499791

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	76.0
264	62.8	50.2	75.4



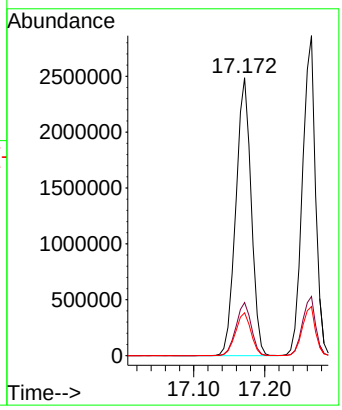


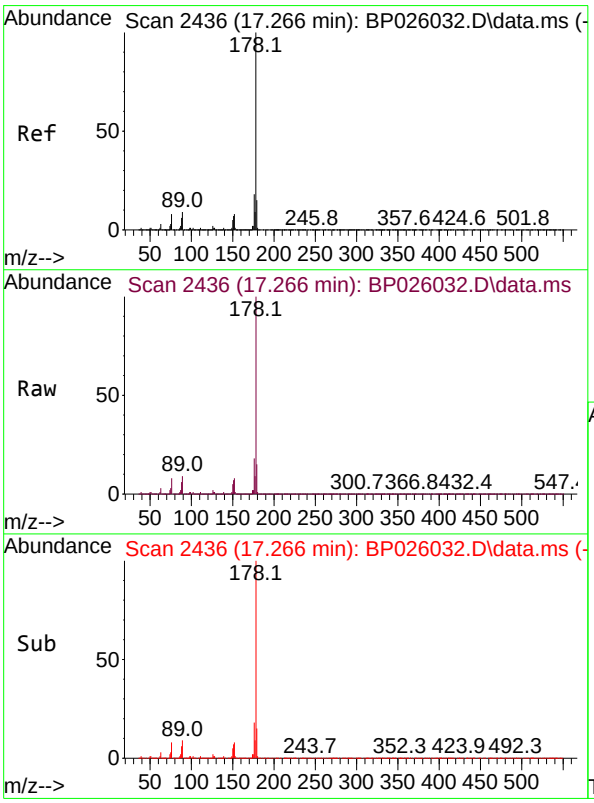
#71
Phenanthrene
Concen: 40.848 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 3699137

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.3	18.5

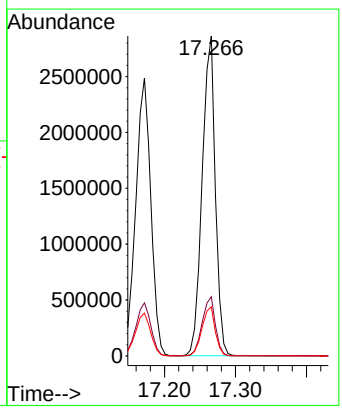


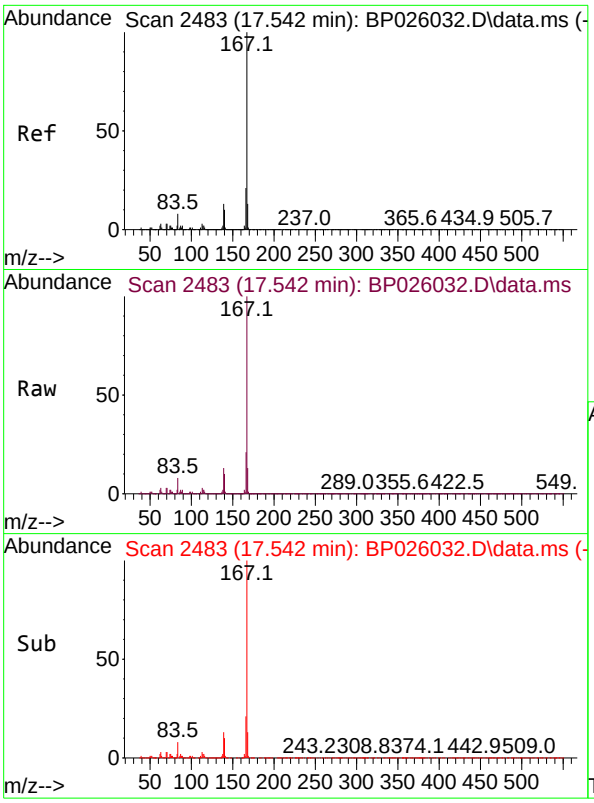


#72
Anthracene
Concen: 40.790 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:178 Resp: 3661573

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



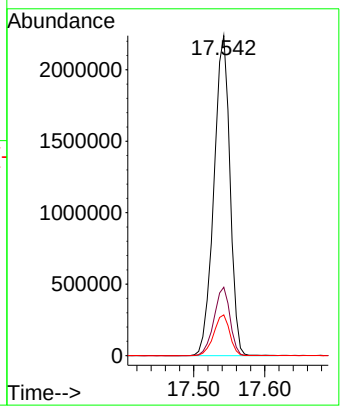


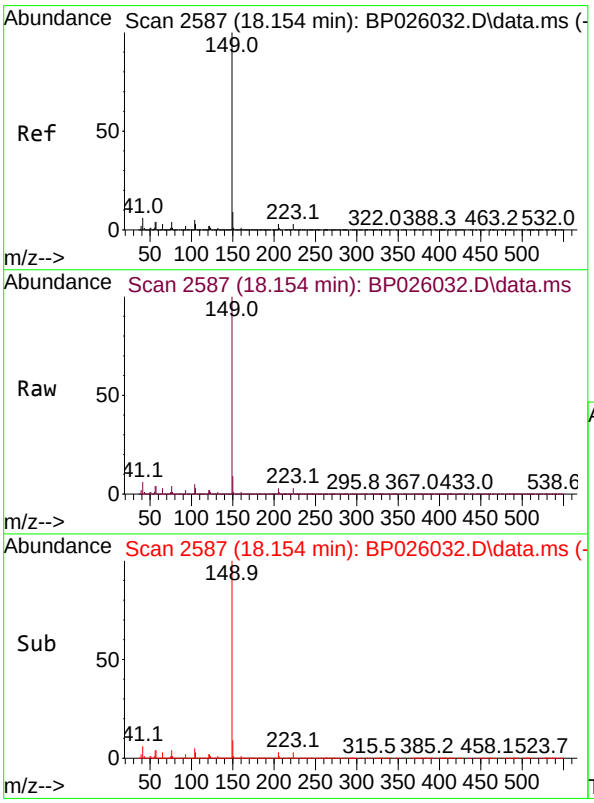
#73
Carbazole
Concen: 41.351 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 3513761

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.7	10.2	15.2

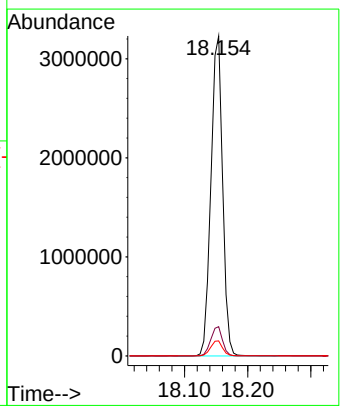


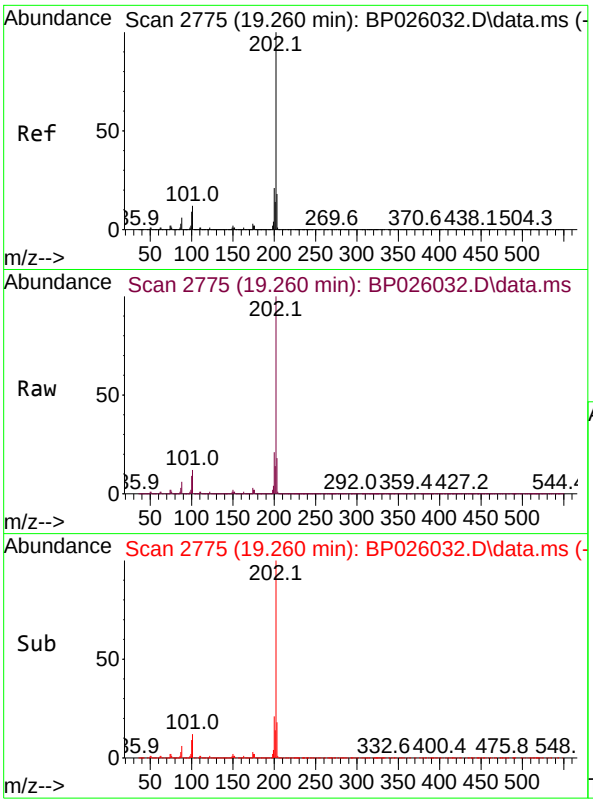


#74
Di-n-butylphthalate
Concen: 43.610 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 4146570

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



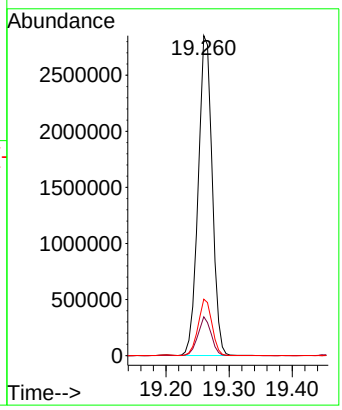


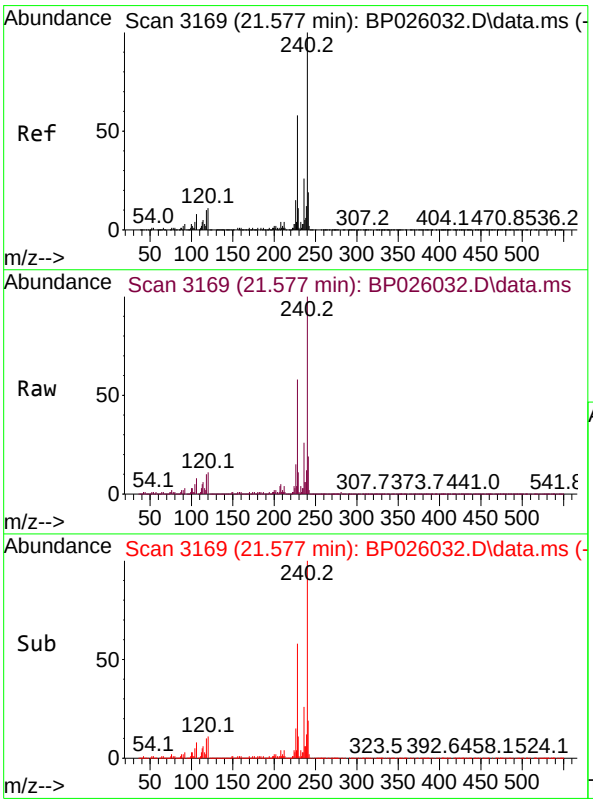
#75
Fluoranthene
Concen: 41.552 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 4389430

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.1
203	17.6	0.0	37.6

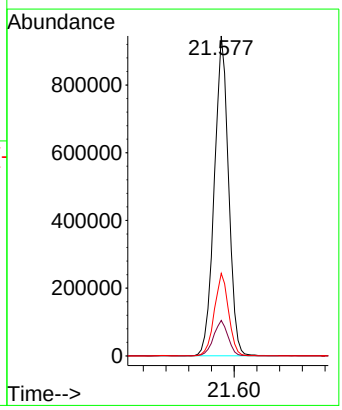


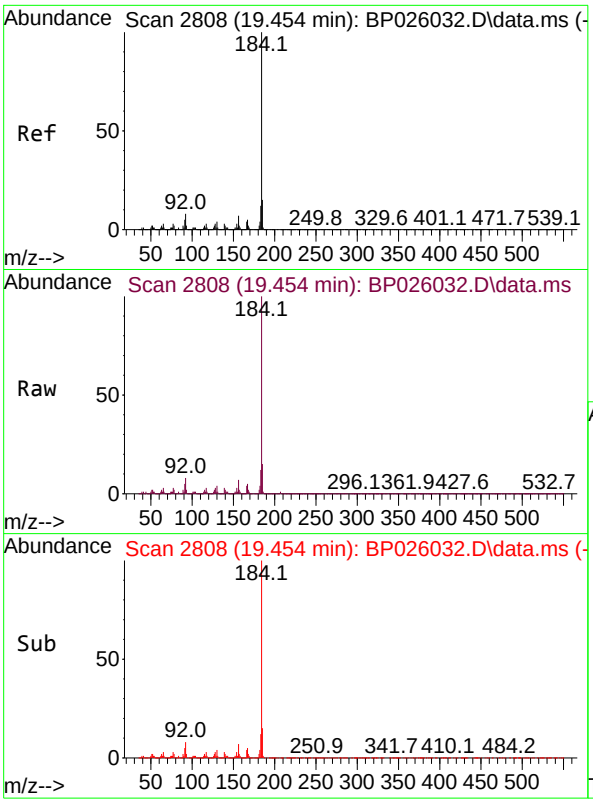


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:240 Resp: 1646604

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.8	20.6	31.0



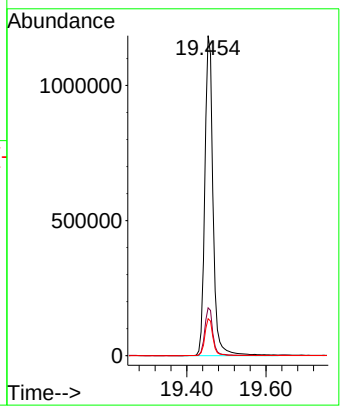


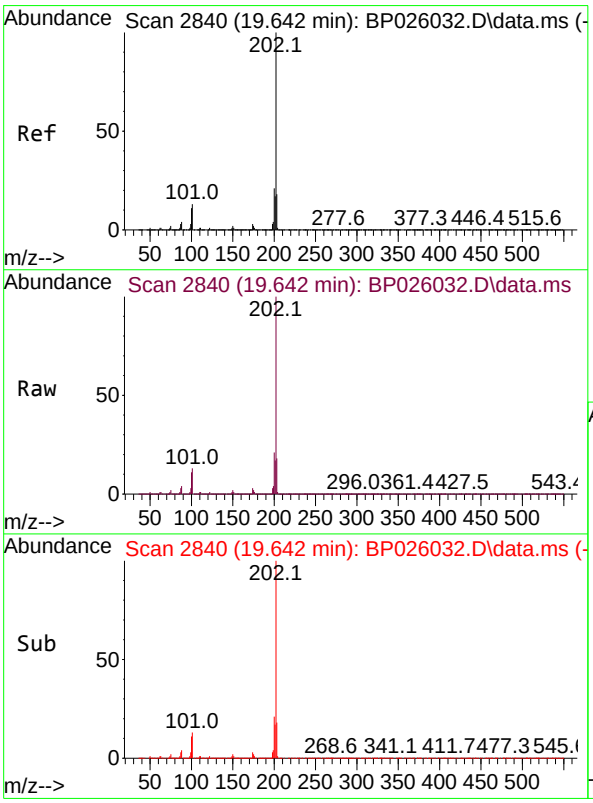
#77
Benzidine
Concen: 40.744 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1702883

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.5	9.2	13.8

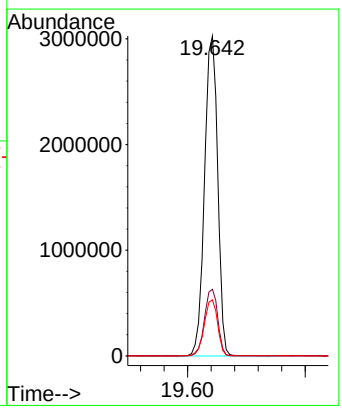


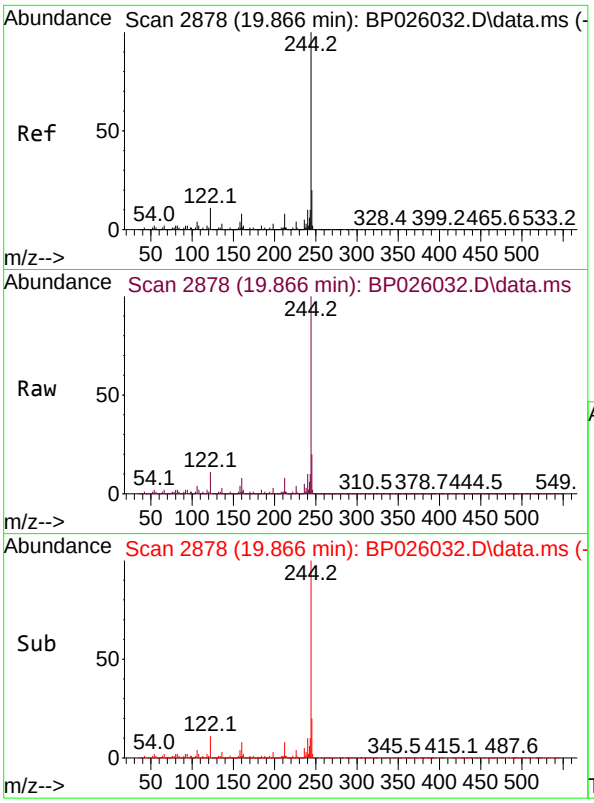


#78
Pyrene
Concen: 42.194 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:202 Resp: 4699012

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.5	14.0	21.0



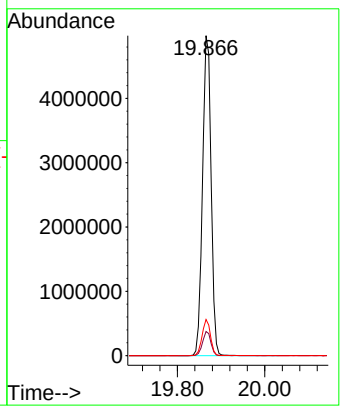


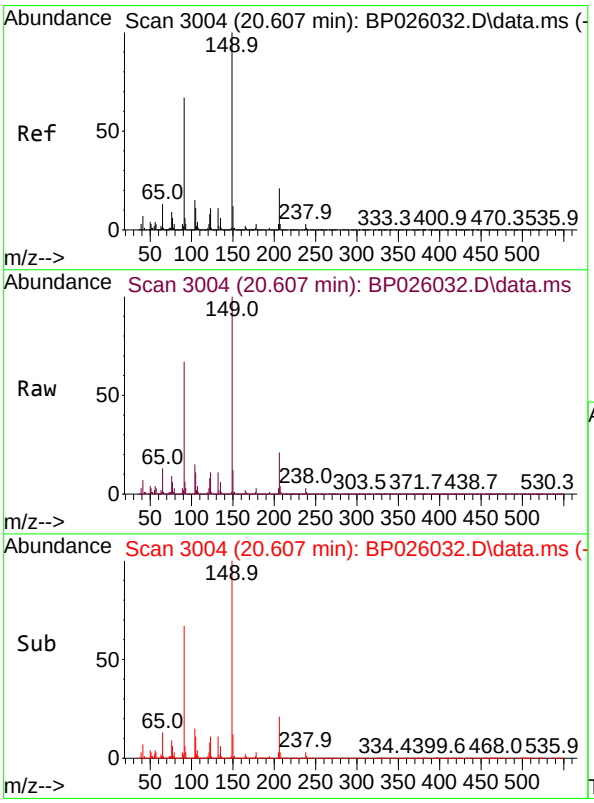
#79
Terphenyl-d14
Concen: 82.377 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6676375

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6

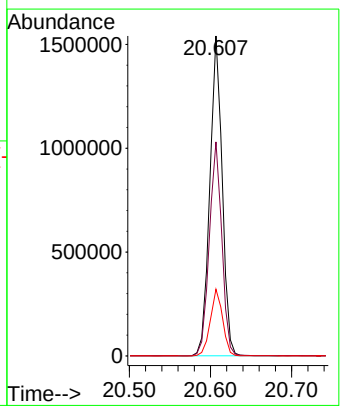


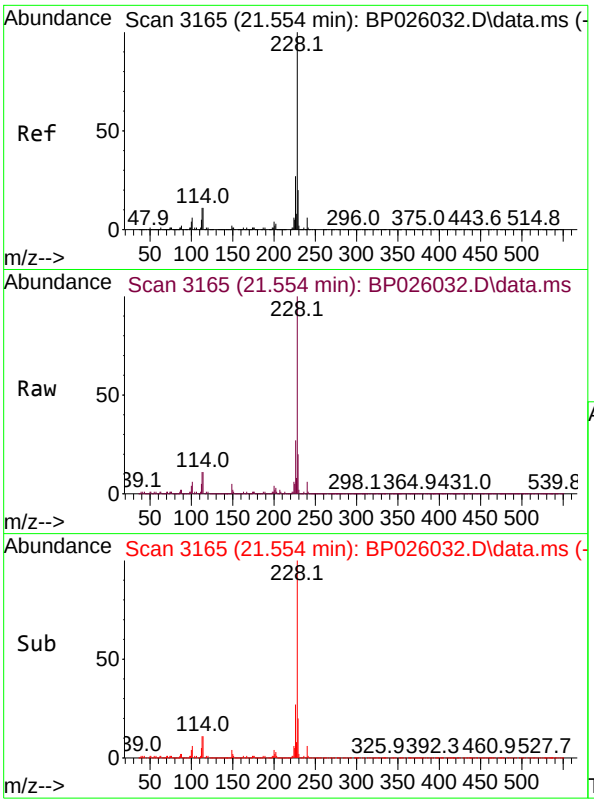


#80
Butylbenzylphthalate
Concen: 39.905 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 1633601

Ion	Ratio	Lower	Upper
149	100		
91	66.9	53.5	80.3
206	20.8	16.6	25.0



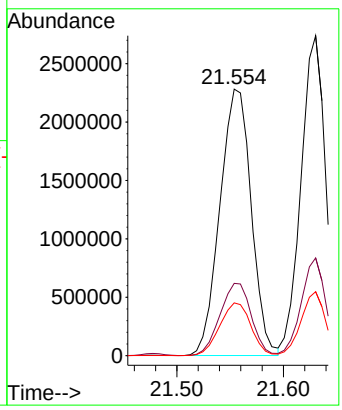


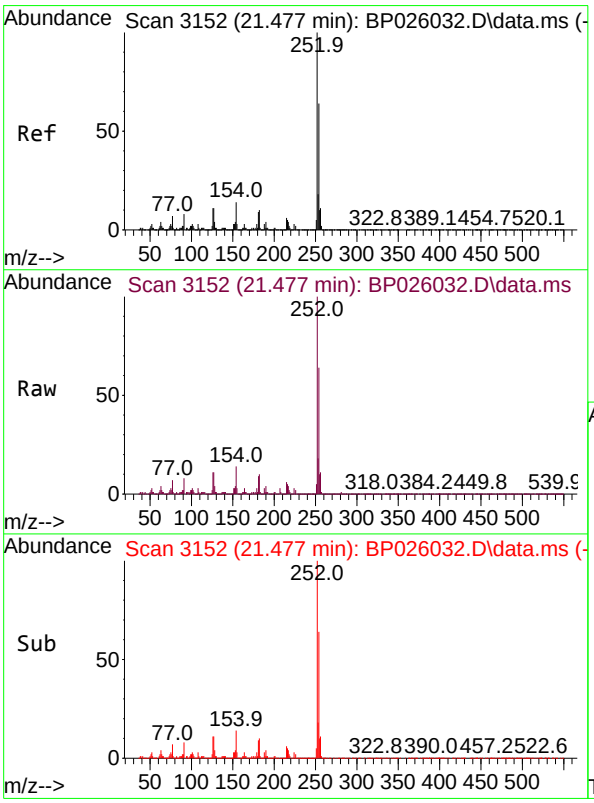
#81
Benzo(a)anthracene
Concen: 41.317 ng
RT: 21.554 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4675082

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.8	23.8

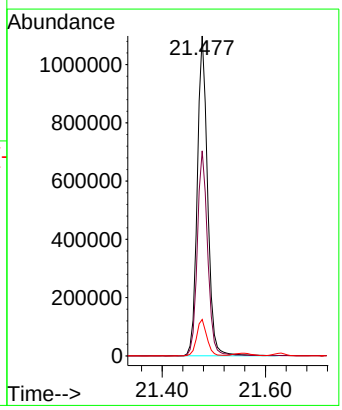


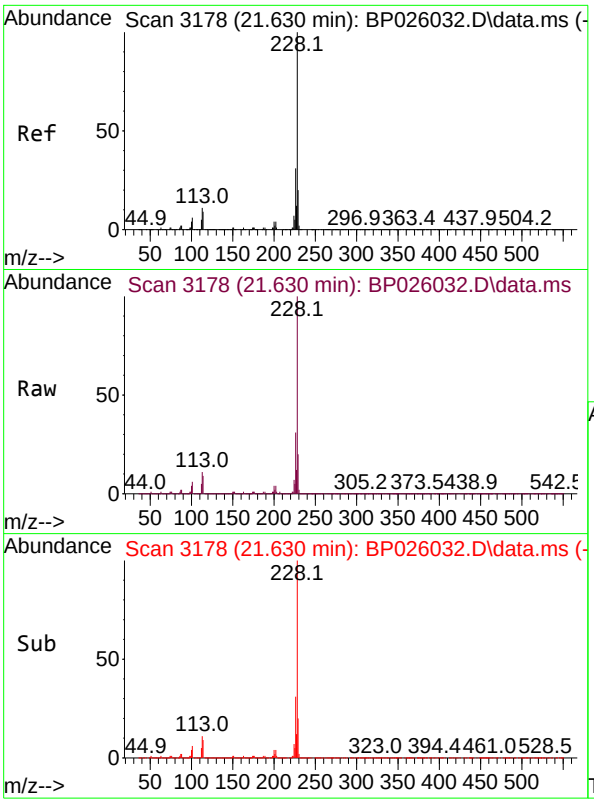


#82
3,3'-Dichlorobenzidine
Concen: 41.695 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 1520065

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	11.4	9.1	13.7



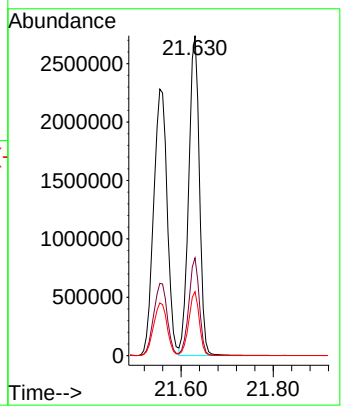


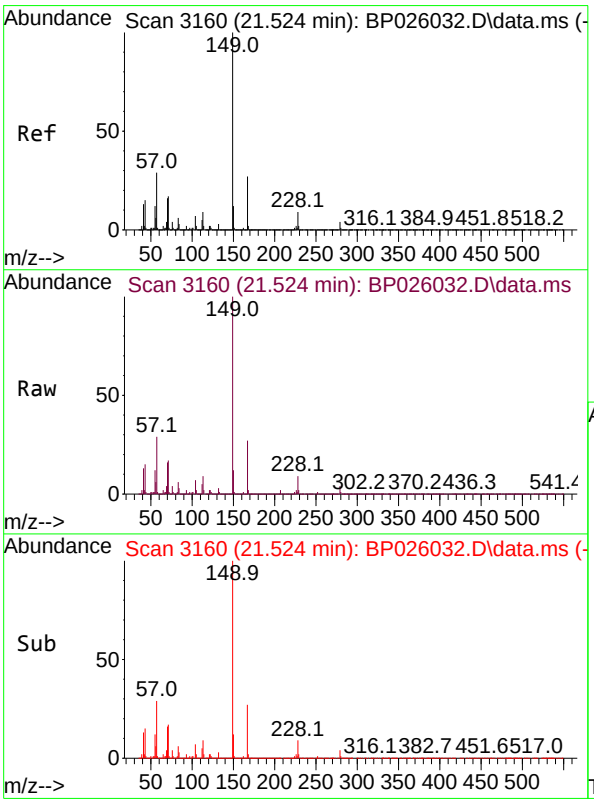
#83
Chrysene
Concen: 41.334 ng
RT: 21.630 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4430345

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	20.0	16.0	24.0

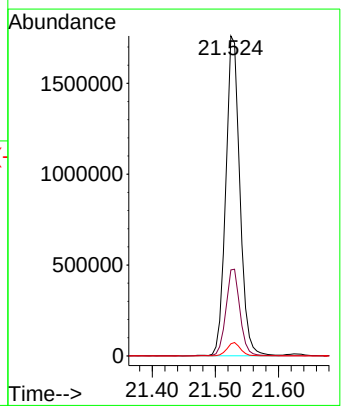


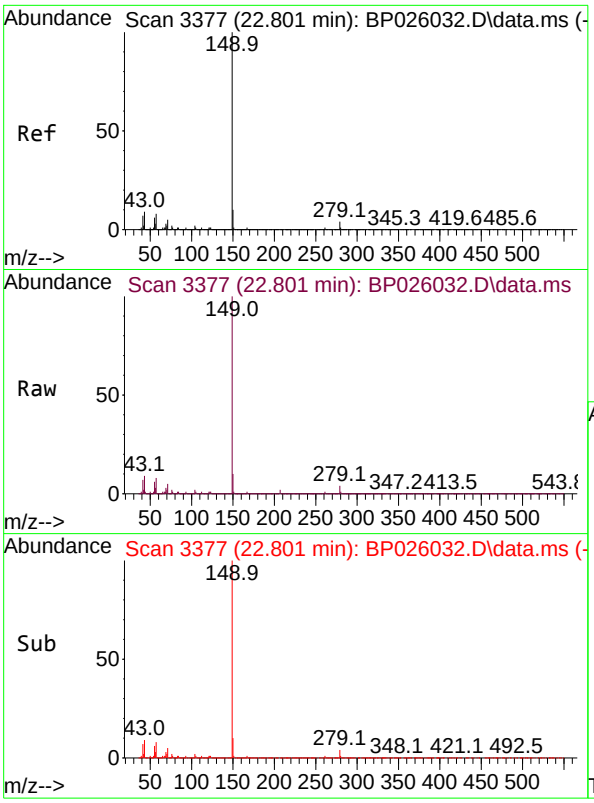


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.098 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:149 Resp: 2729269

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.5	32.3
279	3.8	3.0	4.6



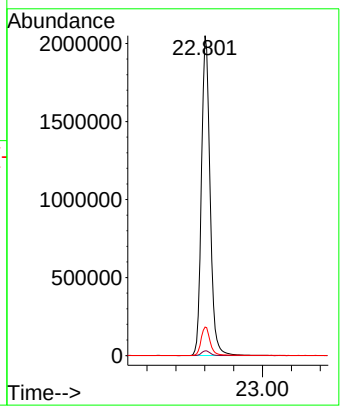


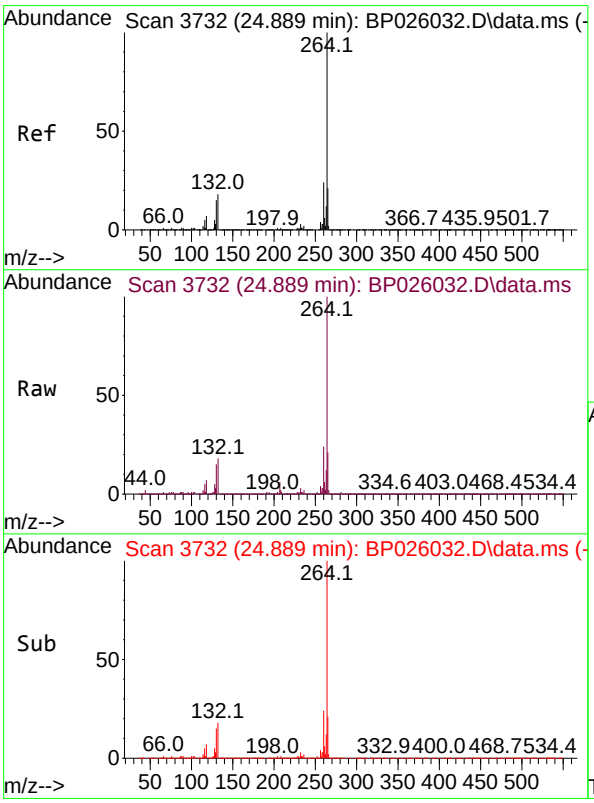
#85
Di-n-octyl phthalate
Concen: 43.233 ng
RT: 22.801 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 4237623

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	7.6	11.4

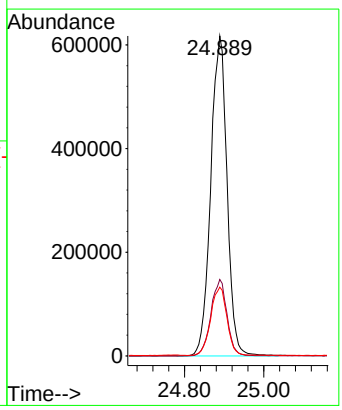


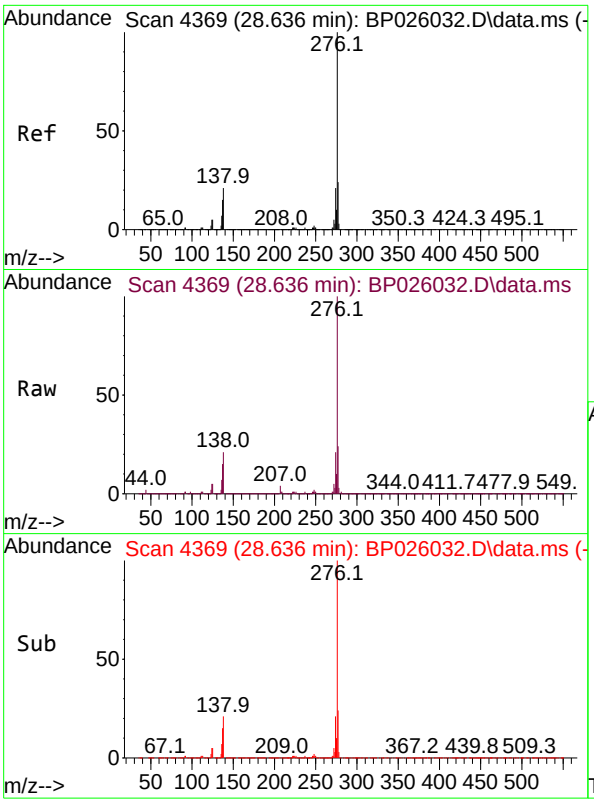


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:264 Resp: 1760712

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.5	17.2	25.8



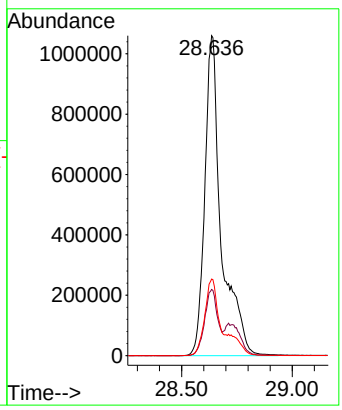


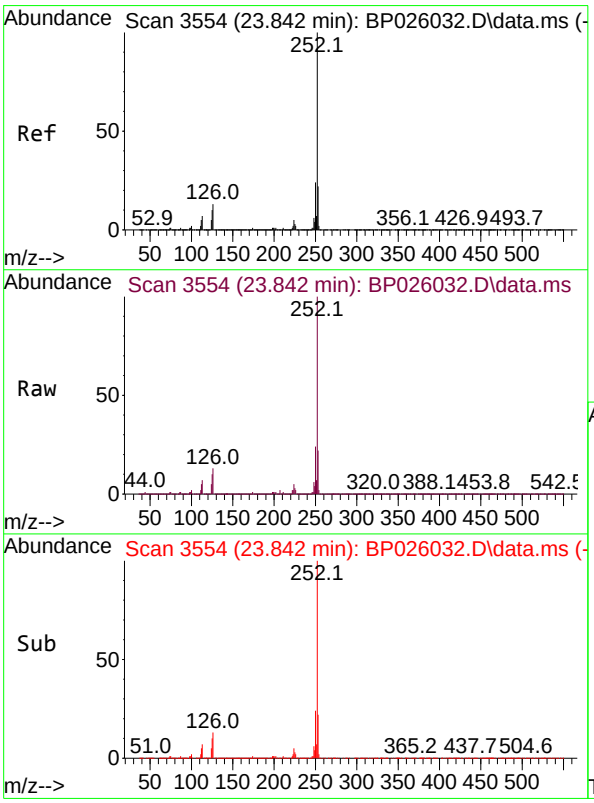
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.386 ng
RT: 28.636 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 5507457

Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.2	19.8
277	20.4	16.3	24.5

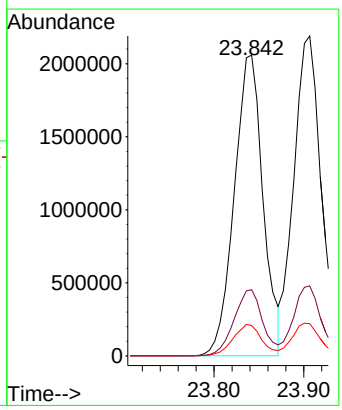


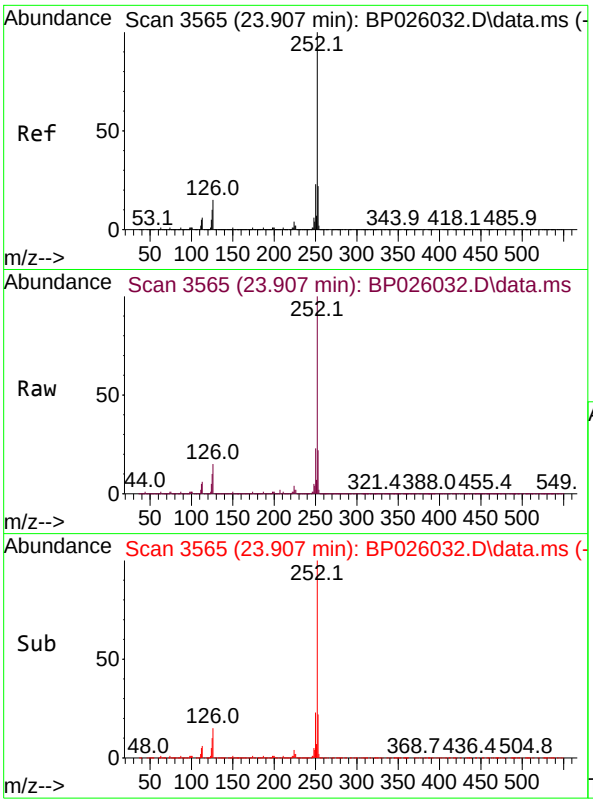


#88
Benzo(b)fluoranthene
Concen: 42.083 ng
RT: 23.842 min Scan# 3554
Delta R.T. -0.006 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 4599800

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.1	12.1



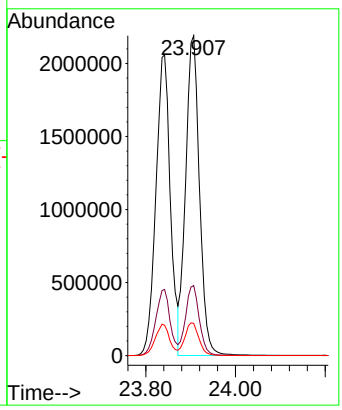


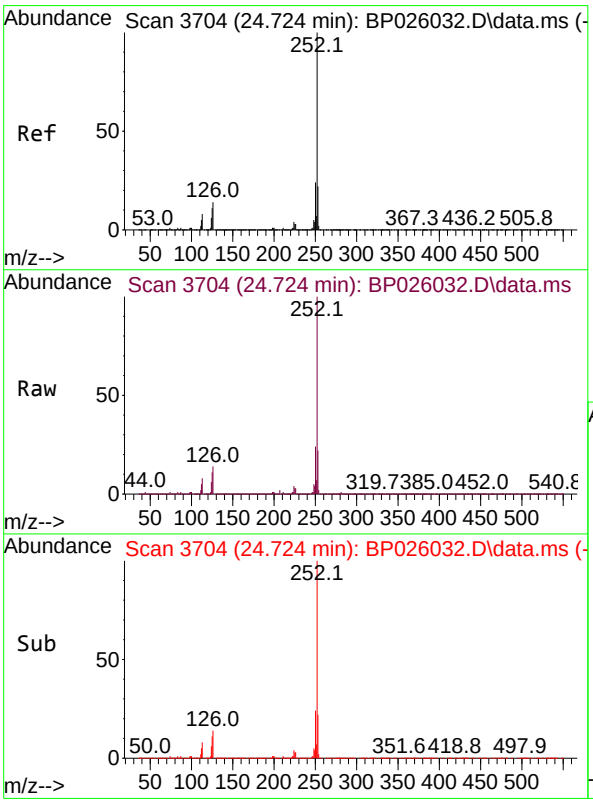
#89
Benzo(k)fluoranthene
Concen: 41.983 ng
RT: 23.907 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 4686005

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.1	8.1	12.1

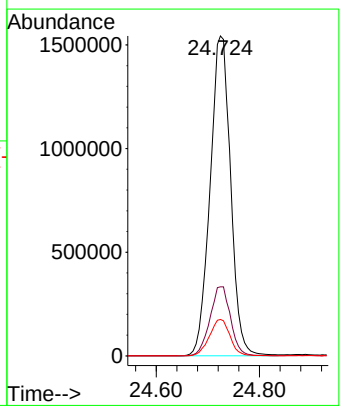


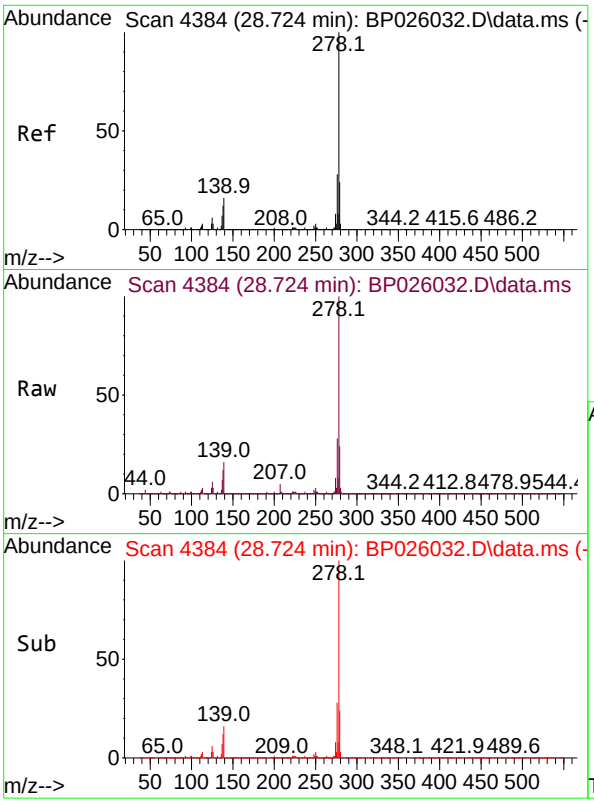


#90
Benzo(a)pyrene
Concen: 42.443 ng
RT: 24.724 min Scan# 3704
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:252 Resp: 4261972

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.4	9.1	13.7



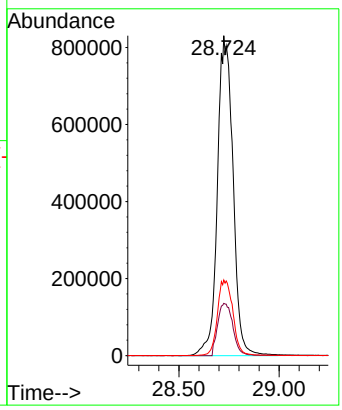


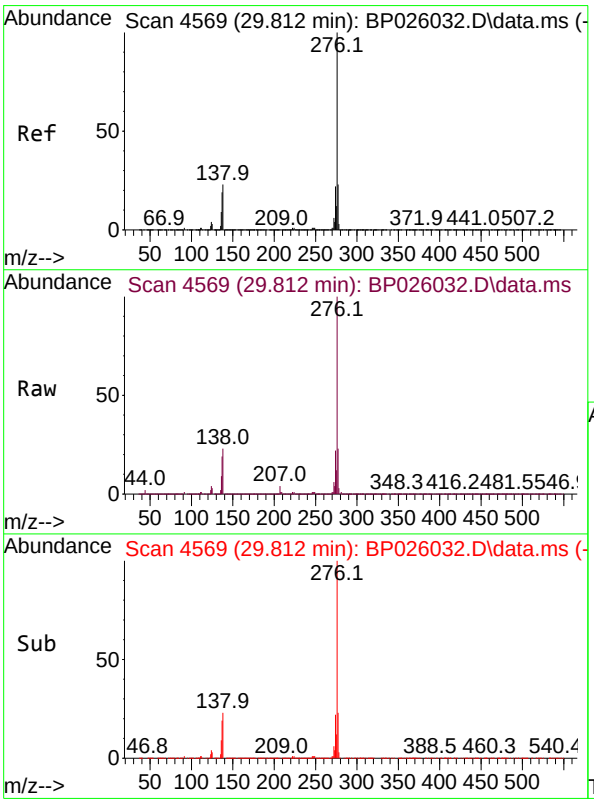
#91
Dibenzo(a,h)anthracene
Concen: 42.397 ng
RT: 28.724 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4484851

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.6
279	23.6	18.9	28.3

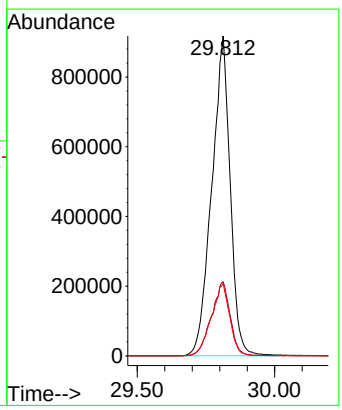




#92
Benzo(g,h,i)perylene
Concen: 41.915 ng
RT: 29.812 min Scan# 4569
Delta R.T. -0.017 min
Lab File: BP026032.D
Acq: 29 Oct 2025 12:10

Tgt Ion:276 Resp: 4266684

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	22.6	18.1	27.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.690	152	349214	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1438966	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	904273	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1803155	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1902632	20.000	ng		0.00
86) Perylene-d12	24.883	264	2091380	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	1961372	92.678	ng		0.00
7) Phenol-d6	6.855	99	2487382	92.341	ng		0.00
23) Nitrobenzene-d5	8.825	82	2201797	95.388	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	946601	96.828	ng		0.00
45) 2-Fluorobiphenyl	12.937	172	5564834	88.427	ng		0.00
79) Terphenyl-d14	19.866	244	8183730	87.388	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	395783	44.361	ng		99
3) Pyridine	3.625	79	1138611	44.894	ng		100
4) n-Nitrosodimethylamine	3.537	42	455456	44.806	ng		99
6) Aniline	7.019	93	1645368	45.768	ng		99
8) 2-Chlorophenol	7.255	128	1102018	47.024	ng		99
9) Benzaldehyde	6.837	77	584865	41.768	ng		98
10) Phenol	6.884	94	1369223	45.786	ng		99
11) bis(2-Chloroethyl)ether	7.119	93	1072428	45.441	ng		100
12) 1,3-Dichlorobenzene	7.578	146	1208921	44.919	ng		100
13) 1,4-Dichlorobenzene	7.719	146	1221221	44.879	ng		100
14) 1,2-Dichlorobenzene	8.037	146	1168413	44.998	ng		99
15) Benzyl Alcohol	7.919	79	890562	45.860	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1611516	45.181	ng		100
17) 2-Methylphenol	8.113	107	922978	47.134	ng		99
18) Hexachloroethane	8.755	117	427757	45.939	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	789416	47.211	ng		98
20) 3+4-Methylphenols	8.437	107	1248064	45.814	ng		99
22) Acetophenone	8.496	105	1638579	45.025	ng	#	98
24) Nitrobenzene	8.866	77	1139668	46.762	ng		100
25) Isophorone	9.390	82	2274125	46.029	ng		99
26) 2-Nitrophenol	9.572	139	447065	49.734	ng		97
27) 2,4-Dimethylphenol	9.631	122	966770	46.532	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1423542	45.719	ng		99
29) 2,4-Dichlorophenol	10.096	162	1050277	47.877	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	1082702	45.408	ng		98
31) Naphthalene	10.501	128	3517083	44.821	ng		99
32) Benzoic acid	9.760	122	583423	46.816	ng		98
33) 4-Chloroaniline	10.607	127	1380084	45.768	ng		99
34) Hexachlorobutadiene	10.801	225	683383	45.101	ng		99
35) Caprolactam	11.372	113	356316	46.253	ng		95
36) 4-Chloro-3-methylphenol	11.725	107	1091555	47.466	ng		99
37) 2-Methylnaphthalene	12.113	142	2496690	45.460	ng		99
38) 1-Methylnaphthalene	12.343	142	2384802	44.696	ng		98
40) 1,2,4,5-Tetrachloroben...	12.490	216	1276225	45.422	ng		99
41) Hexachlorocyclopentadiene	12.478	237	492338	47.892	ng		97
43) 2,4,6-Trichlorophenol	12.725	196	814315	49.033	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	915816	48.327	ng		98
46) 1,1'-Biphenyl	13.143	154	3114348	44.979	ng		99
47) 2-Chloronaphthalene	13.184	162	2465203	45.251	ng		99
48) 2-Nitroaniline	13.378	65	626496	45.673	ng		100
49) Acenaphthylene	14.037	152	3657970	46.069	ng		99
50) Dimethylphthalate	13.772	163	2990506	45.465	ng		100
51) 2,6-Dinitrotoluene	13.884	165	554294	45.947	ng		100
52) Acenaphthene	14.389	154	2461012	45.148	ng		100
53) 3-Nitroaniline	14.213	138	666202	45.125	ng		98
54) 2,4-Dinitrophenol	14.413	184	217265	46.408	ng	#	85
55) Dibenzofuran	14.725	168	3647999	44.295	ng		98
56) 4-Nitrophenol	14.519	139	583197	44.465	ng		99
57) 2,4-Dinitrotoluene	14.684	165	812960	46.376	ng		96
58) Fluorene	15.395	166	2848597	44.149	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	741007	49.733	ng		100
60) Diethylphthalate	15.178	149	3052331	46.159	ng		99
61) 4-Chlorophenyl-phenyle...	15.389	204	1408511	43.714	ng		99
62) 4-Nitroaniline	15.401	138	673347	47.907	ng		100
63) Azobenzene	15.695	77	2685827	44.816	ng		98
65) 4,6-Dinitro-2-methylph...	15.460	198	336876	46.617	ng		94
66) n-Nitrosodiphenylamine	15.613	169	2556770	45.350	ng		100
67) 4-Bromophenyl-phenylether	16.307	248	918587	45.926	ng		99
68) Hexachlorobenzene	16.419	284	1017148	44.671	ng		98
69) Atrazine	16.583	200	868165	45.648	ng		98
70) Pentachlorophenol	16.766	266	667717	48.009	ng		100
71) Phenanthrene	17.172	178	4646242	44.270	ng		100
72) Anthracene	17.266	178	4704548	45.221	ng		100
73) Carbazole	17.542	167	4367887	44.353	ng		99
74) Di-n-butylphthalate	18.160	149	5391627	48.928	ng		100
75) Fluoranthene	19.260	202	5518479	45.075	ng		99
77) Benzidine	19.460	184	2144466	44.405	ng		100
78) Pyrene	19.636	202	5789133	44.987	ng		99
80) Butylbenzylphthalate	20.607	149	2226346	46.457	ng		99
81) Benzo(a)anthracene	21.548	228	5824139	44.546	ng		99
82) 3,3'-Dichlorobenzidine	21.477	252	1980734	47.020	ng		99
83) Chrysene	21.619	228	5558878	44.884	ng		100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3652585	47.172	ng		98
85) Di-n-octyl phthalate	22.807	149	5887832	51.985	ng		99
87) Indeno(1,2,3-cd)pyrene	28.659	276	7169922m	46.456	ng		
88) Benzo(b)fluoranthene	23.854	252	6008578	46.280	ng		100
89) Benzo(k)fluoranthene	23.924	252	5963953	44.984	ng		100
90) Benzo(a)pyrene	24.742	252	5510203	46.197	ng		99
91) Dibenzo(a,h)anthracene	28.753	278	5841467	46.490	ng		99
92) Benzo(g,h,i)perylene	29.812	276	5581541	46.163	ng		99

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

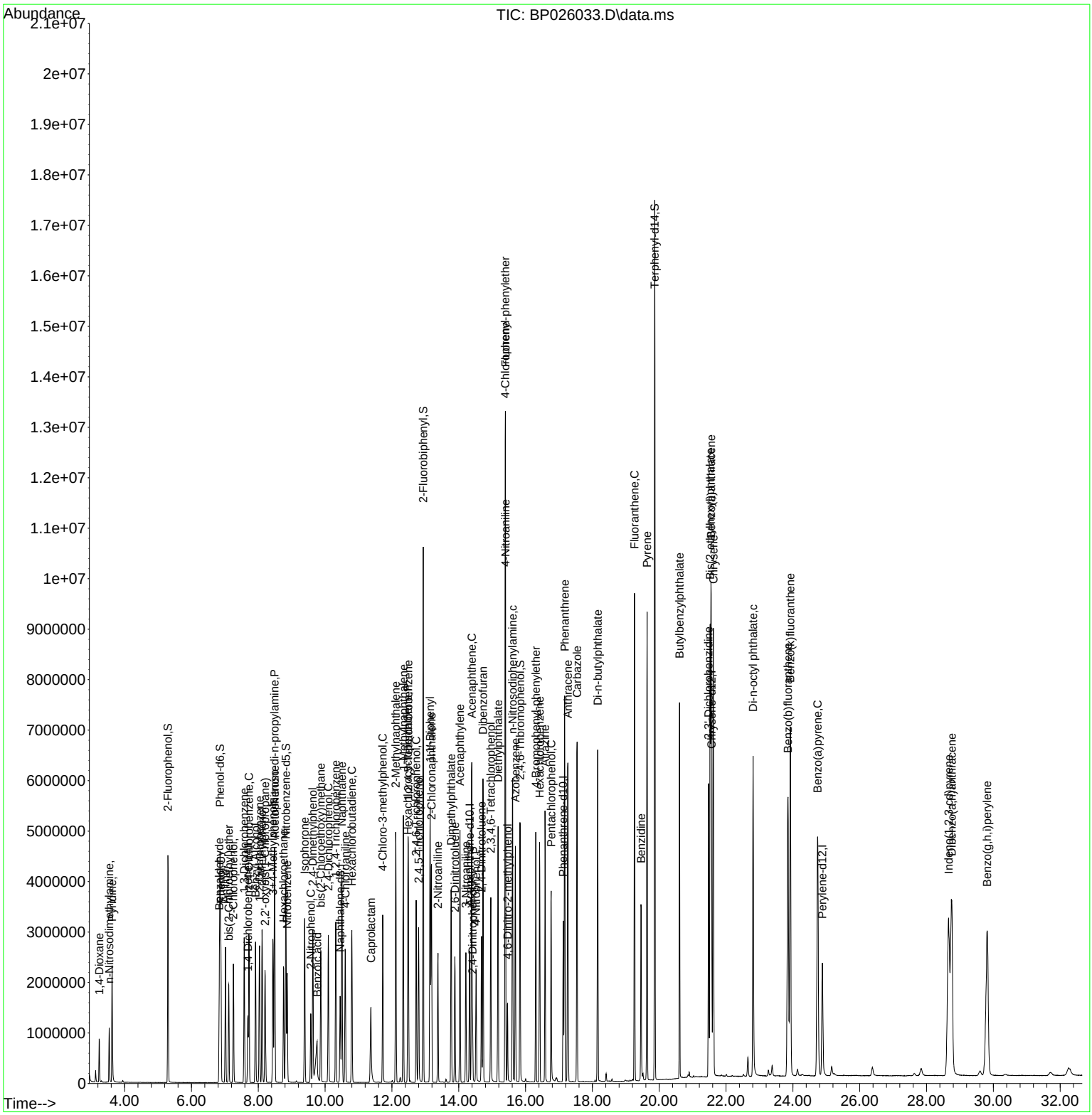
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

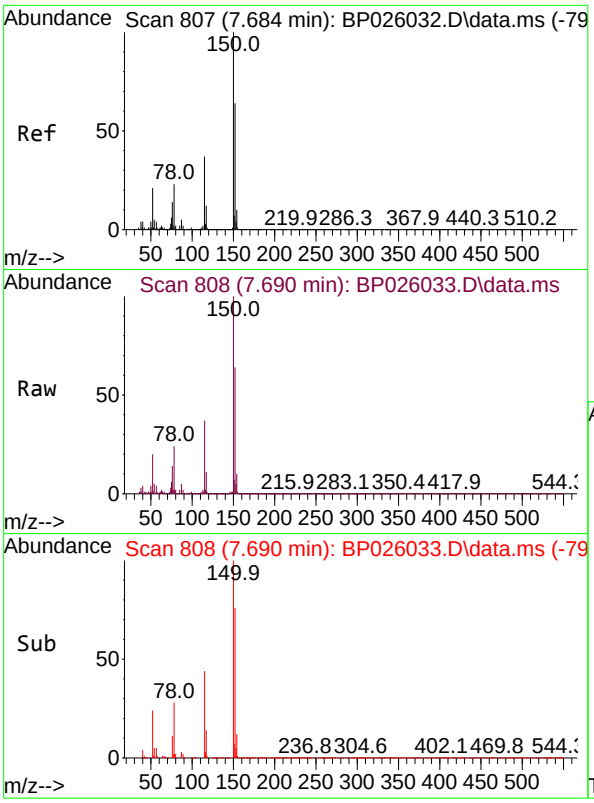
Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

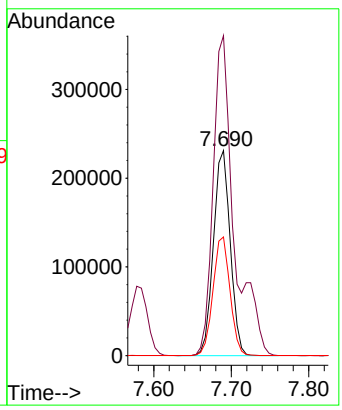




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.690 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:152 Resp: 34921

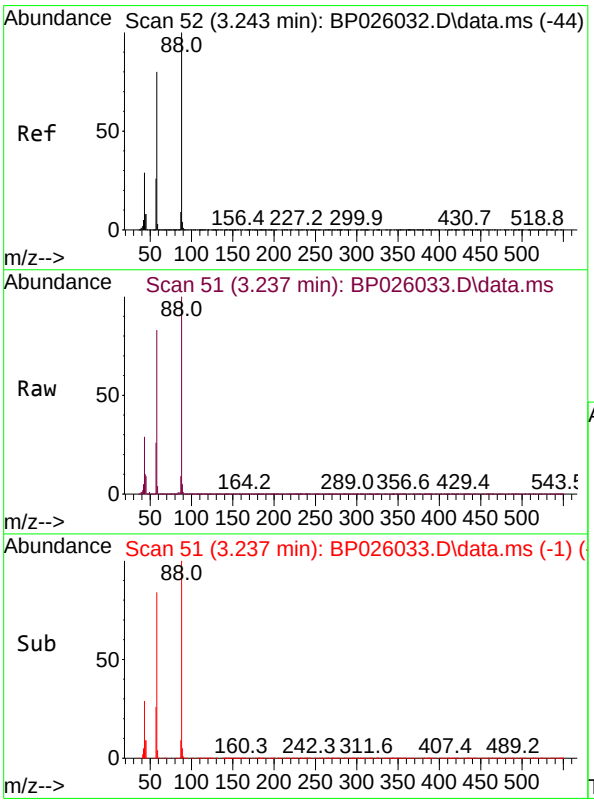
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.7	188.5
115	57.8	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

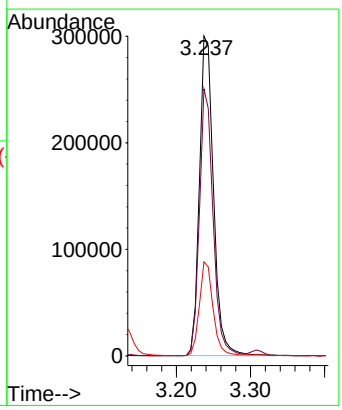
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

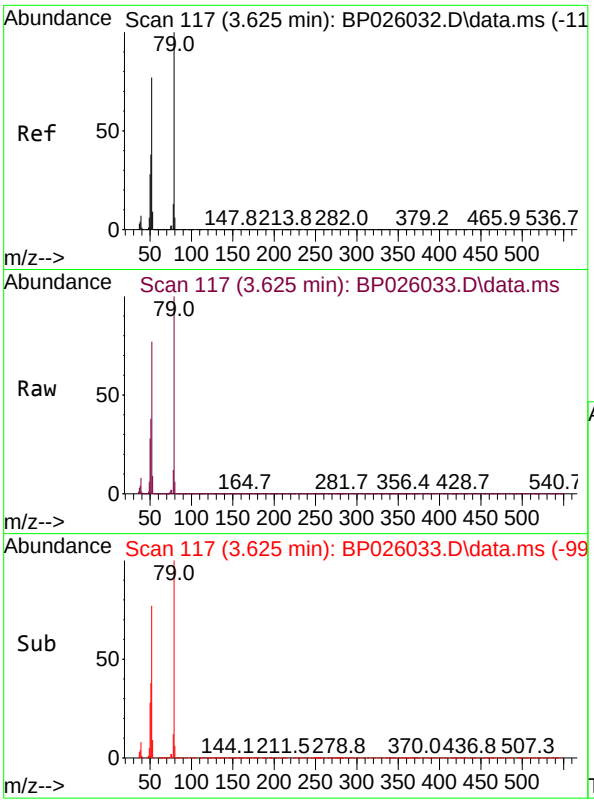


#2
1,4-Dioxane
Concen: 44.361 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 88 Resp: 395783

Ion	Ratio	Lower	Upper
88	100		
58	80.9	65.4	98.0
43	29.0	23.1	34.7

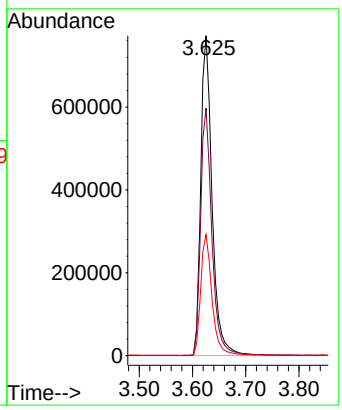




#3
Pyridine
Concen: 44.894 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 79 Resp: 113861

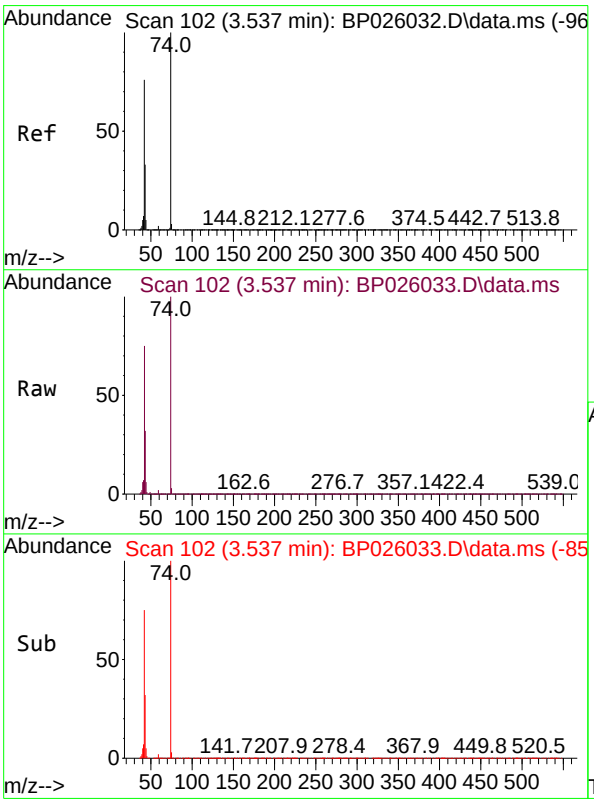
Ion	Ratio	Lower	Upper
79	100		
52	77.3	62.0	93.0
51	37.8	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

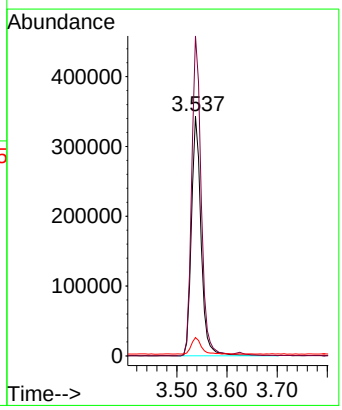
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

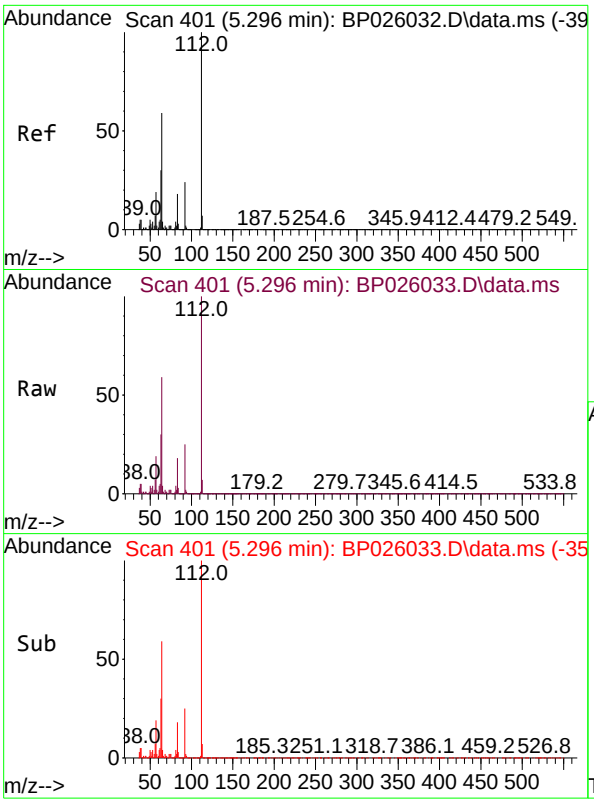


#4
n-Nitrosodimethylamine
Concen: 44.806 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 42 Resp: 455456

Ion	Ratio	Lower	Upper
42	100		
74	133.5	105.7	158.5
44	7.7	6.6	9.8

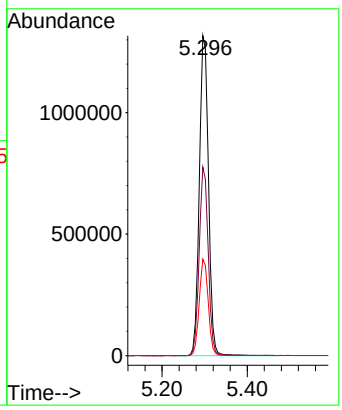




#5
2-Fluorophenol
Concen: 92.678 ng
RT: 5.296 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:112 Resp: 196137

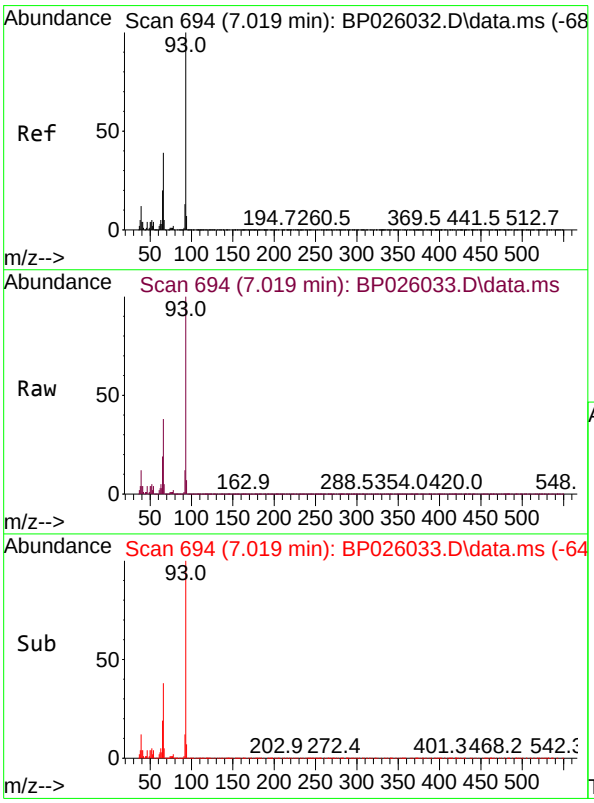
Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.4	71.2
63	30.1	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

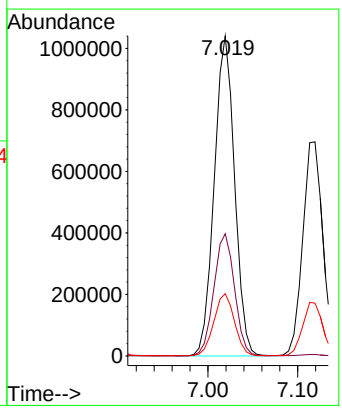
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

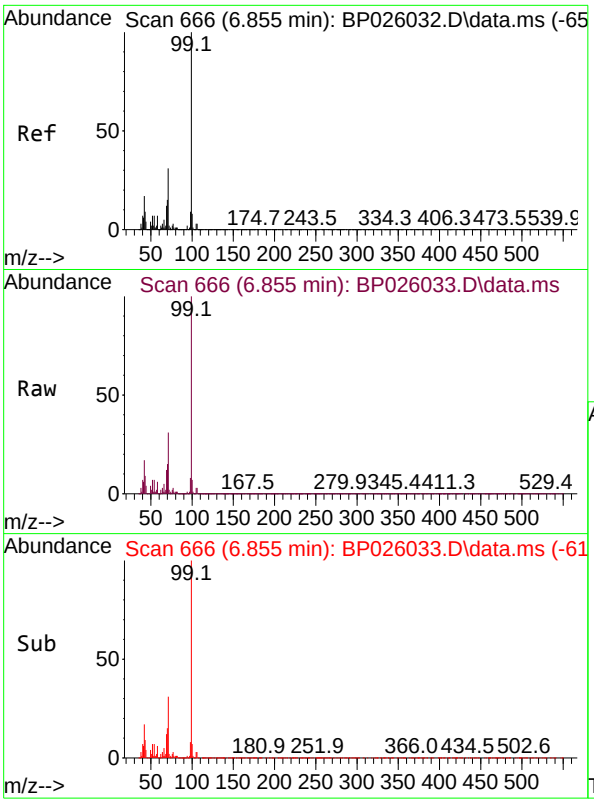


#6
Aniline
Concen: 45.768 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 1645368

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.2	46.8
65	19.4	16.1	24.1

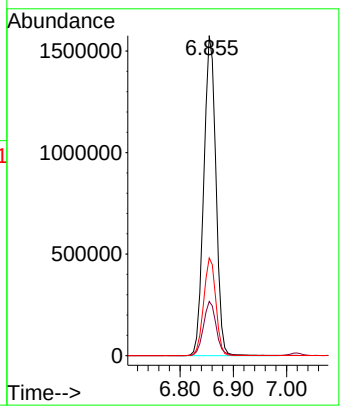




#7
Phenol-d6
Concen: 92.341 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 99 Resp: 248738

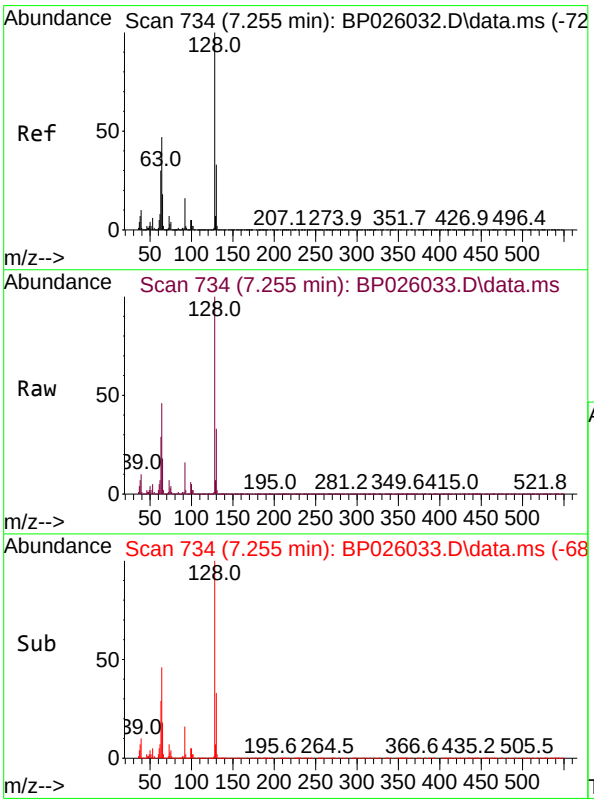
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	30.5	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

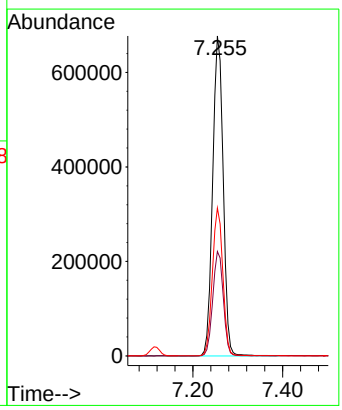
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

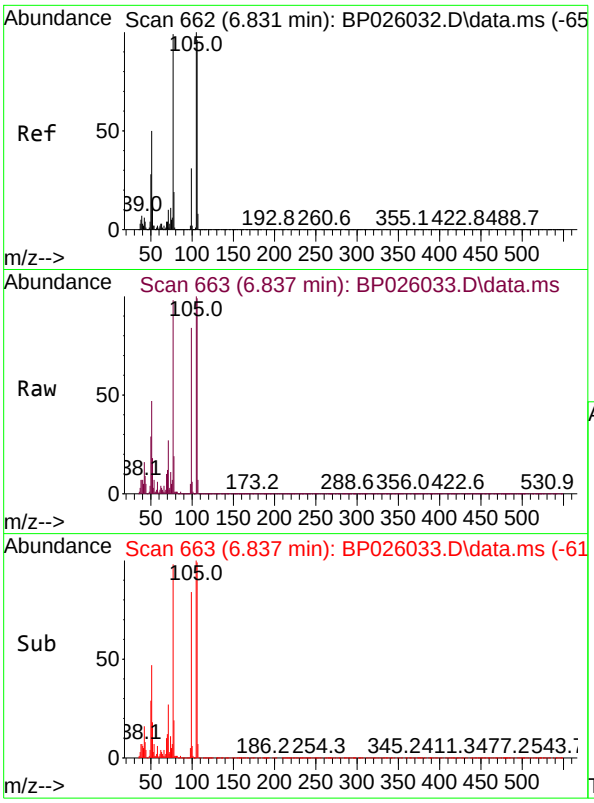


#8
2-Chlorophenol
Concen: 47.024 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:128 Resp: 1102018

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	46.2	27.4	67.4

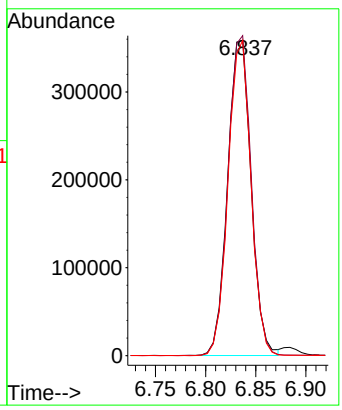




#9
Benzaldehyde
Concen: 41.768 ng
RT: 6.837 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 58486

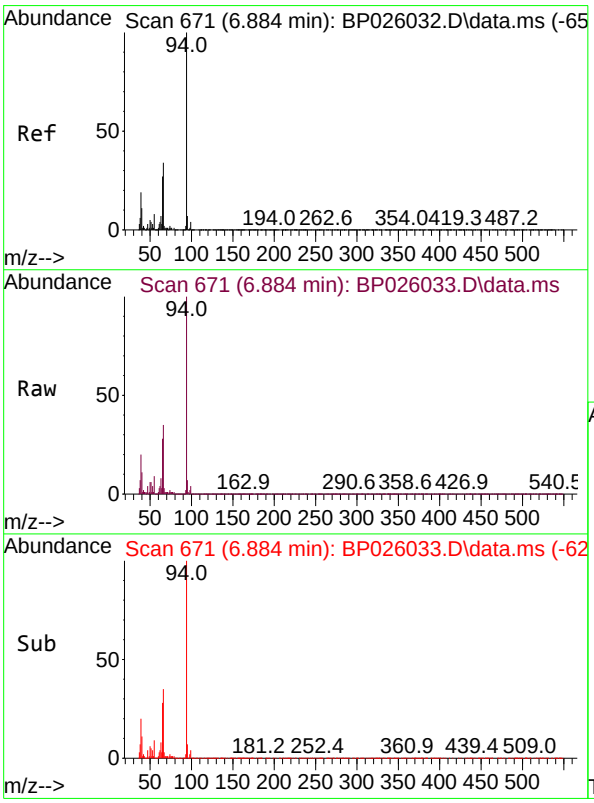
Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.7	120.7
106	100.0	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

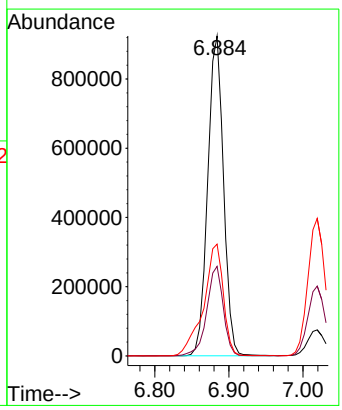
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

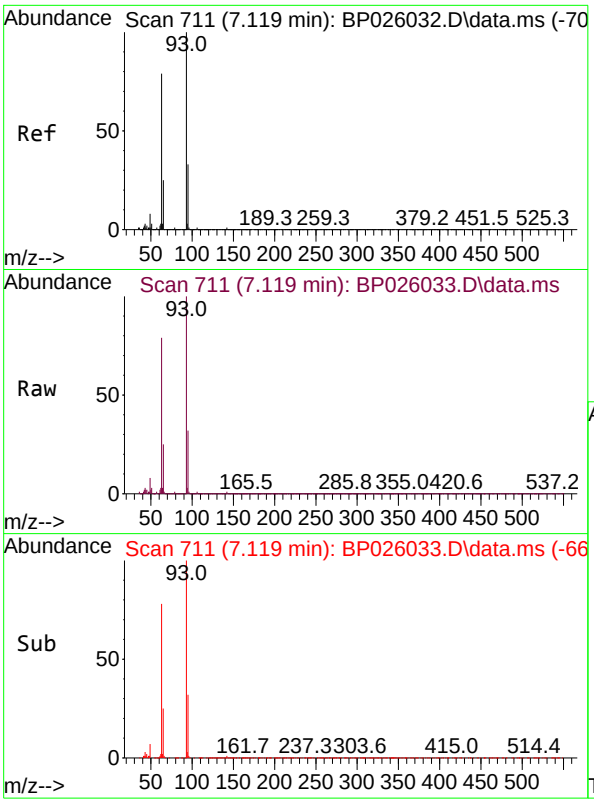


#10
Phenol
Concen: 45.786 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 94 Resp: 1369223

Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.1	47.1
66	34.9	14.4	54.4

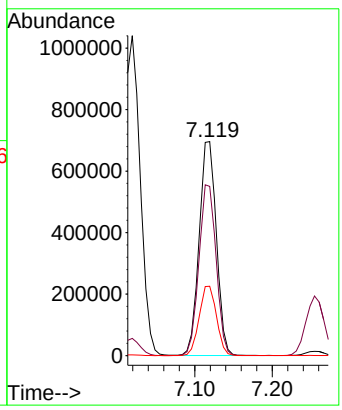




#11
bis(2-Chloroethyl)ether
Concen: 45.441 ng
RT: 7.119 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 107242

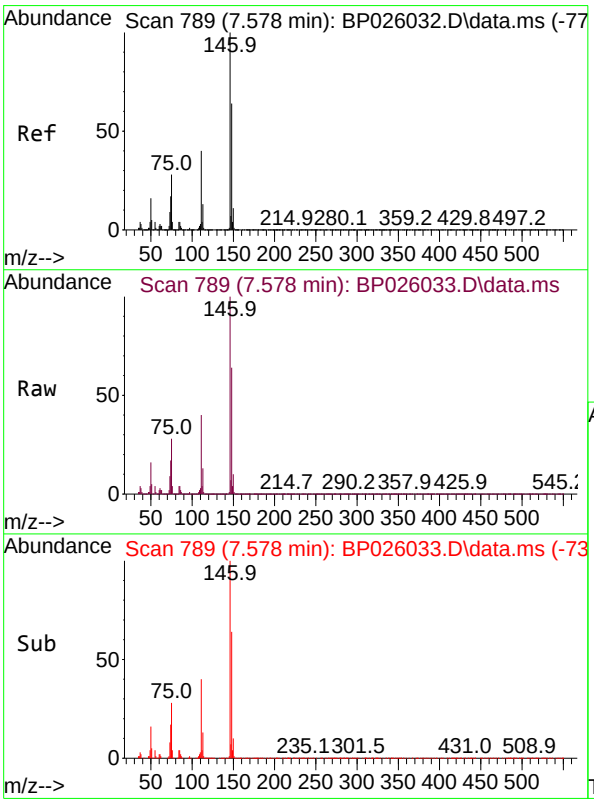
Ion	Ratio	Lower	Upper
93	100		
63	79.0	59.1	99.1
95	32.4	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

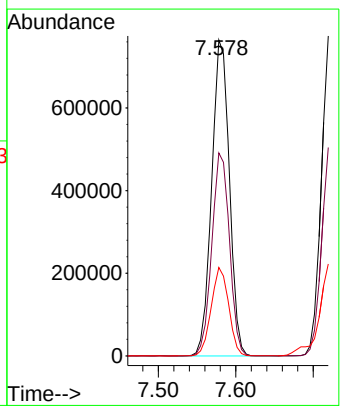
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

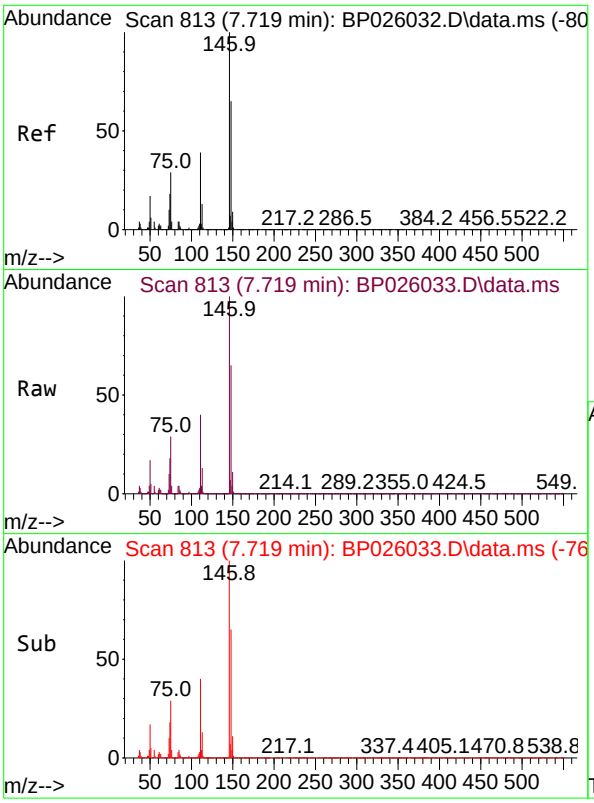


#12
1,3-Dichlorobenzene
Concen: 44.919 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 1208921

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
75	28.0	22.6	33.8

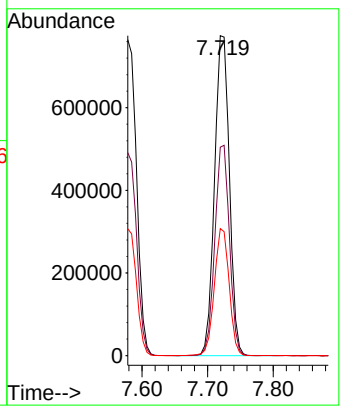




#13
1,4-Dichlorobenzene
Concen: 44.879 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 122122

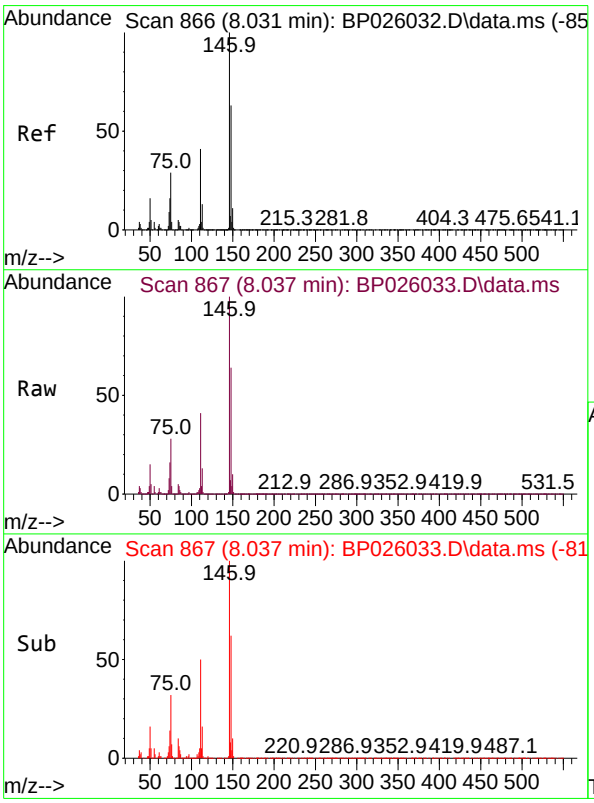
Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.2	78.2
111	39.7	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

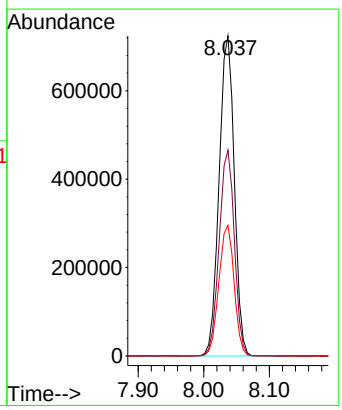
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

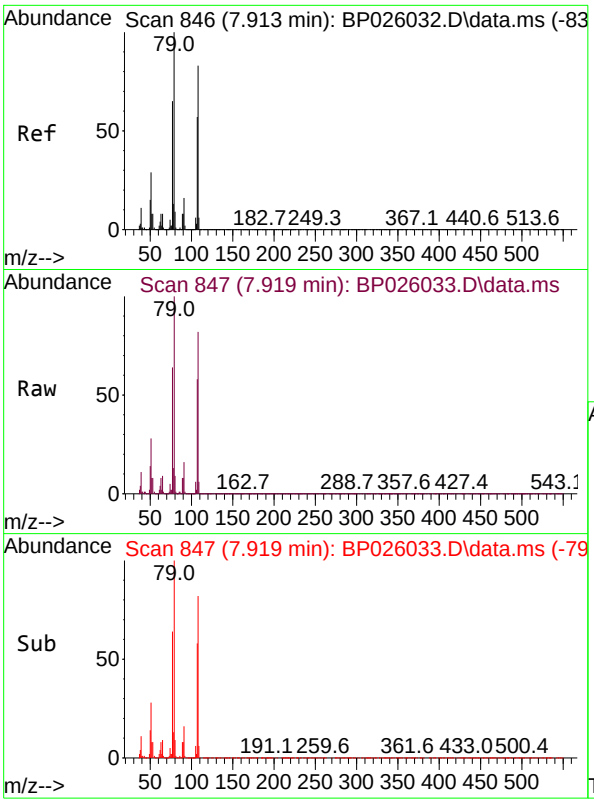


#14
1,2-Dichlorobenzene
Concen: 44.998 ng
RT: 8.037 min Scan# 867
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:146 Resp: 1168413

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	40.8	33.0	49.4

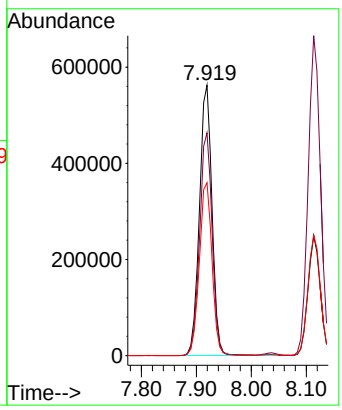




#15
Benzyl Alcohol
Concen: 45.860 ng
RT: 7.919 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 79 Resp: 89056

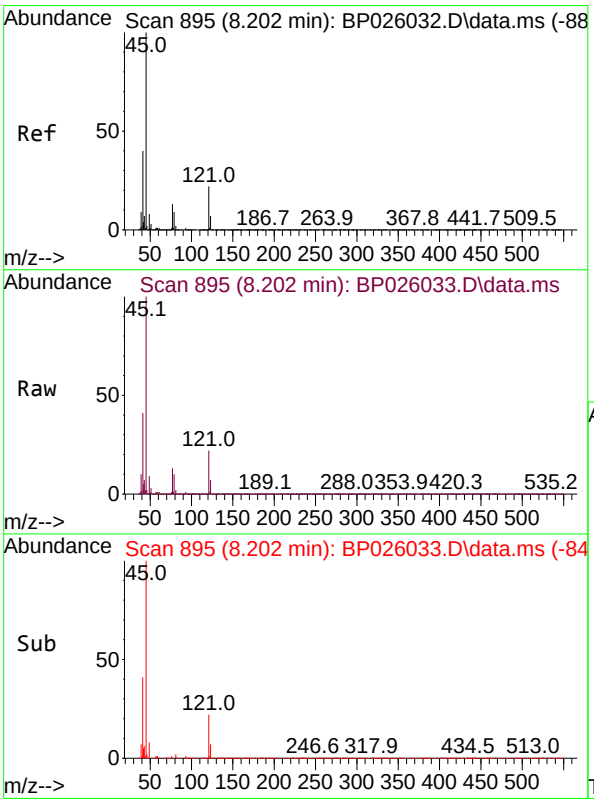
Ion	Ratio	Lower	Upper
79	100		
108	82.4	66.0	99.0
77	63.9	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

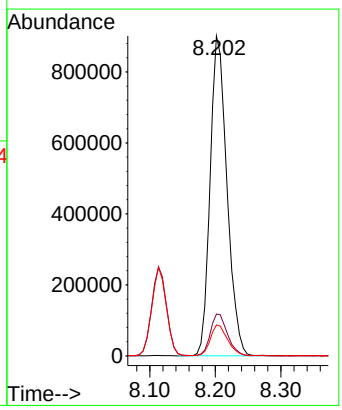
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

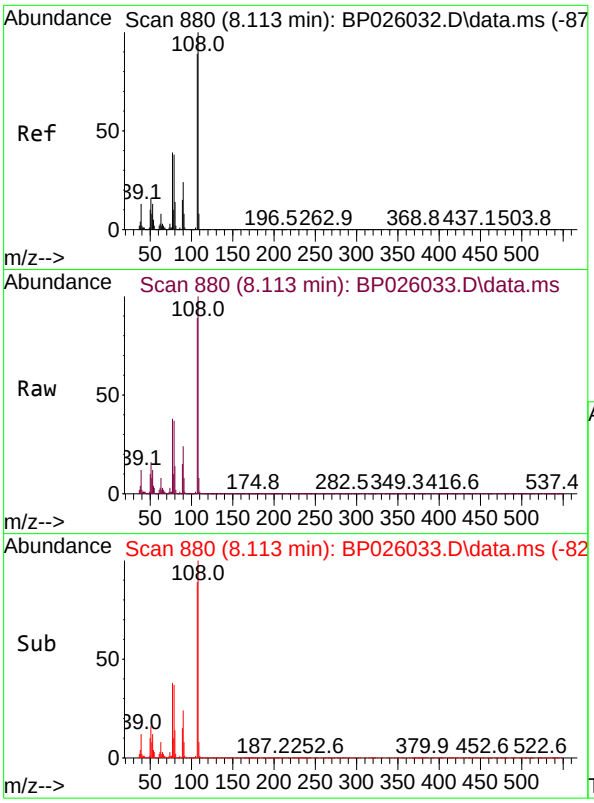


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.181 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 45 Resp: 1611516

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.2
79	9.7	0.0	29.5

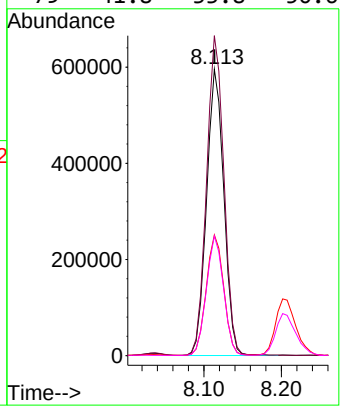




#17
2-Methylphenol
Concen: 47.134 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 92297

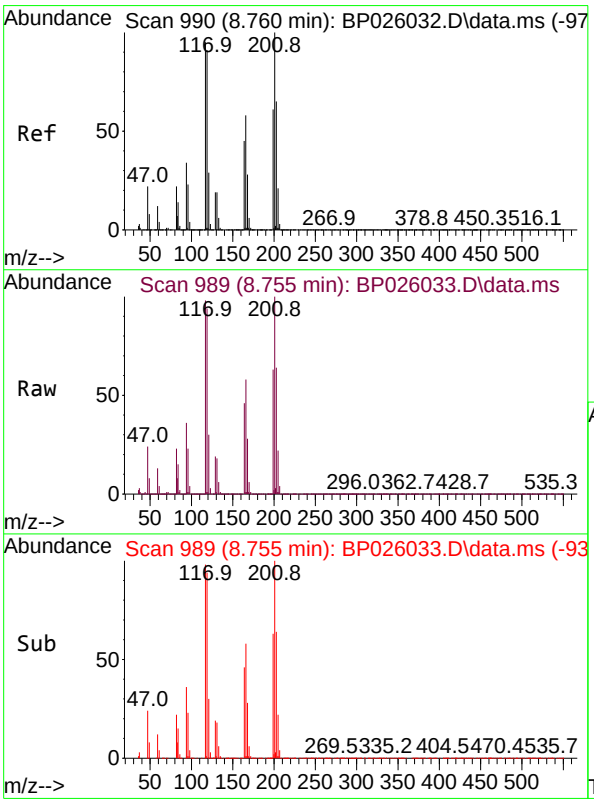
Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.8
77	42.2	34.8	52.2
79	41.8	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

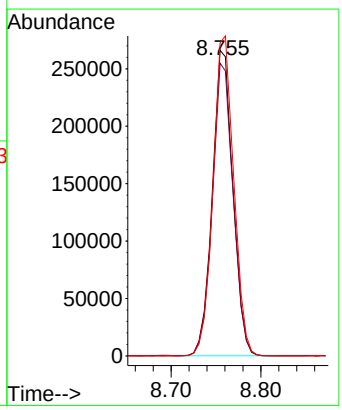
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

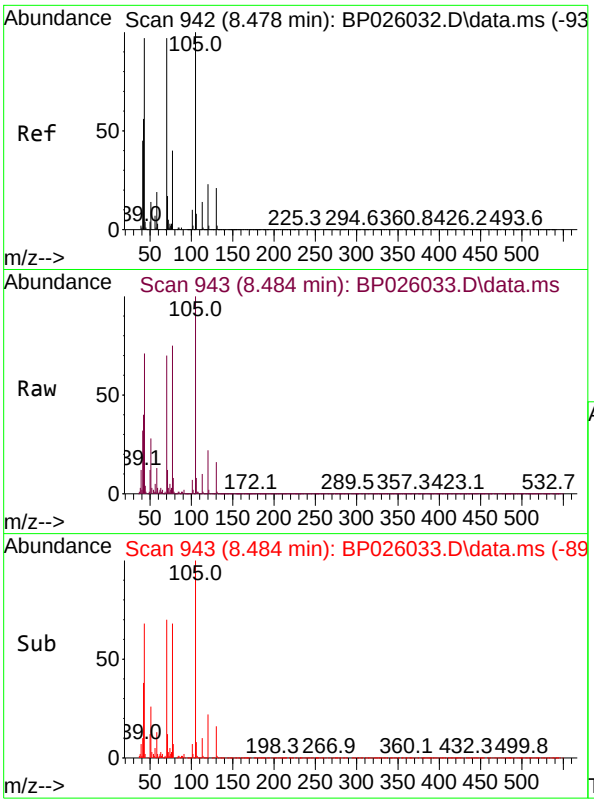


#18
Hexachloroethane
Concen: 45.939 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:117 Resp: 427757

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
201	102.5	84.2	126.4

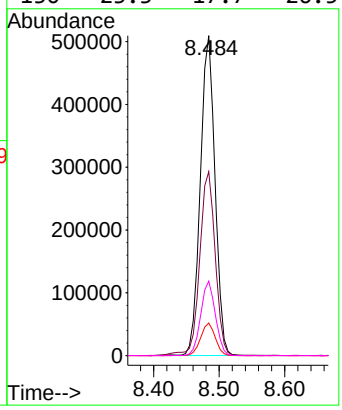




#19
n-Nitroso-di-n-propylamine
Concen: 47.211 ng
RT: 8.484 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 70 Resp: 78941

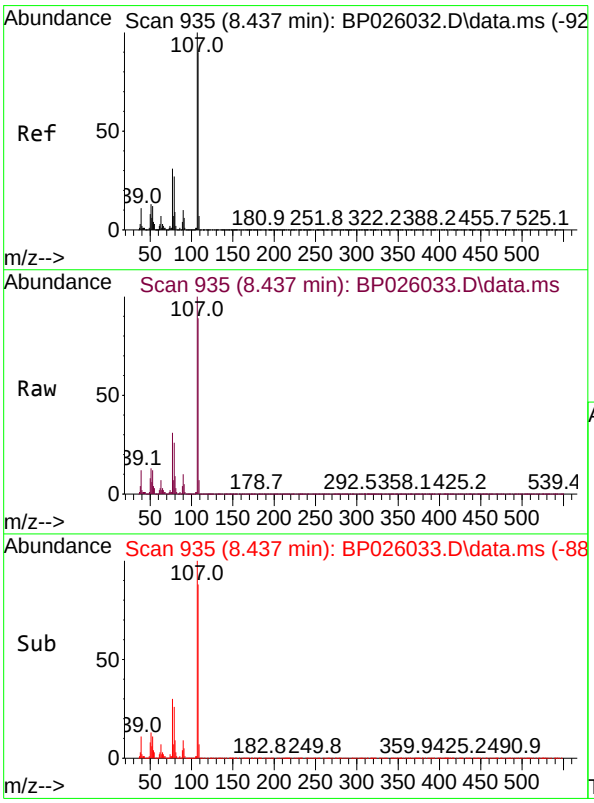
Ion	Ratio	Lower	Upper
70	100		
42	57.5	47.2	70.8
101	10.2	8.2	12.2
130	23.3	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

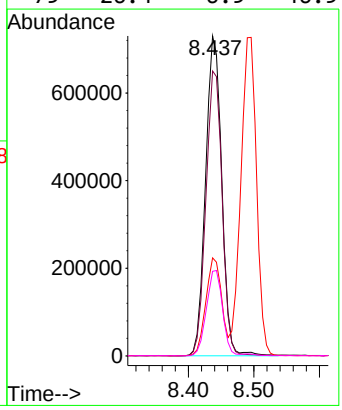
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

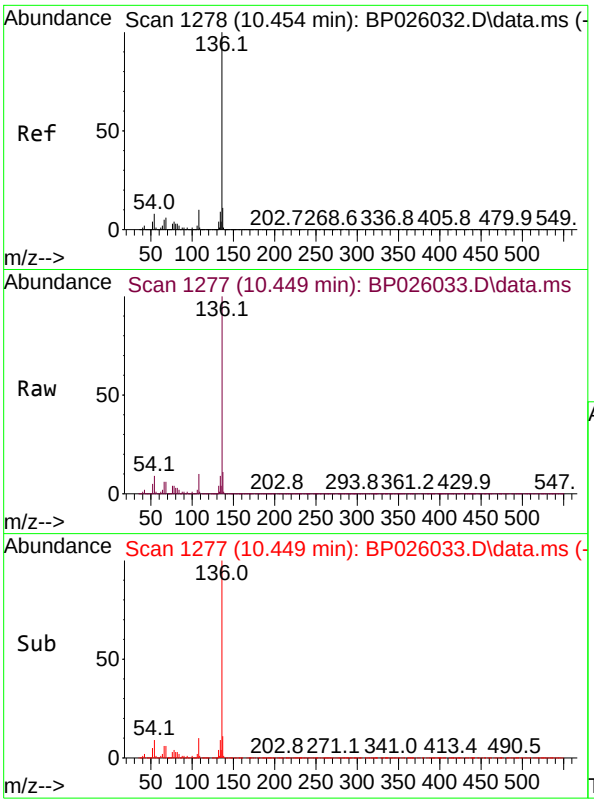


#20
3+4-Methylphenols
Concen: 45.814 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 1248064

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.1	110.1
77	30.6	10.7	50.7
79	26.4	6.9	46.9

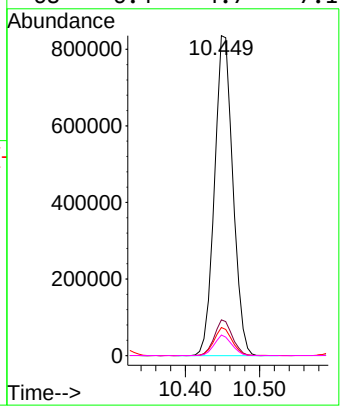




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:136 Resp: 143896

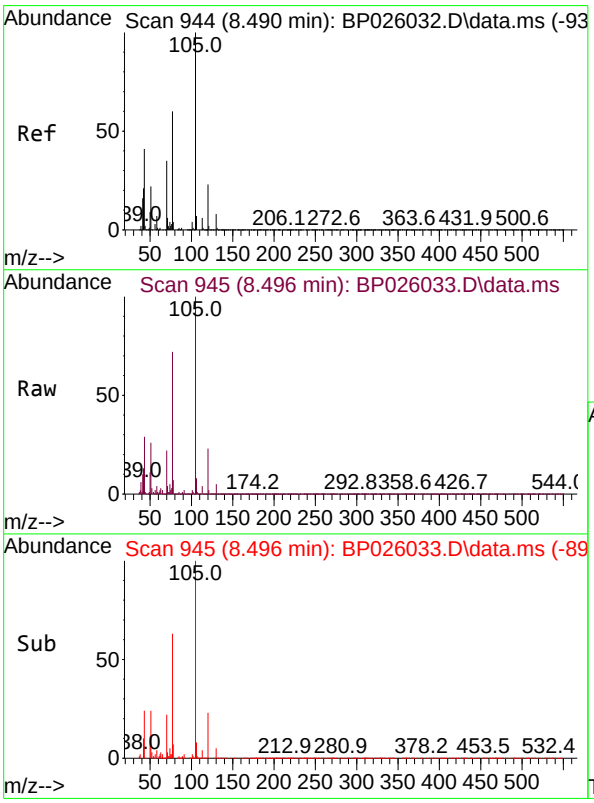
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.8	6.6	10.0
68	6.4	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

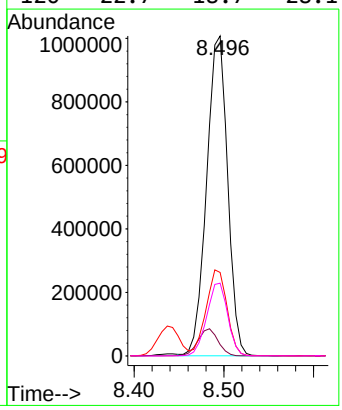
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

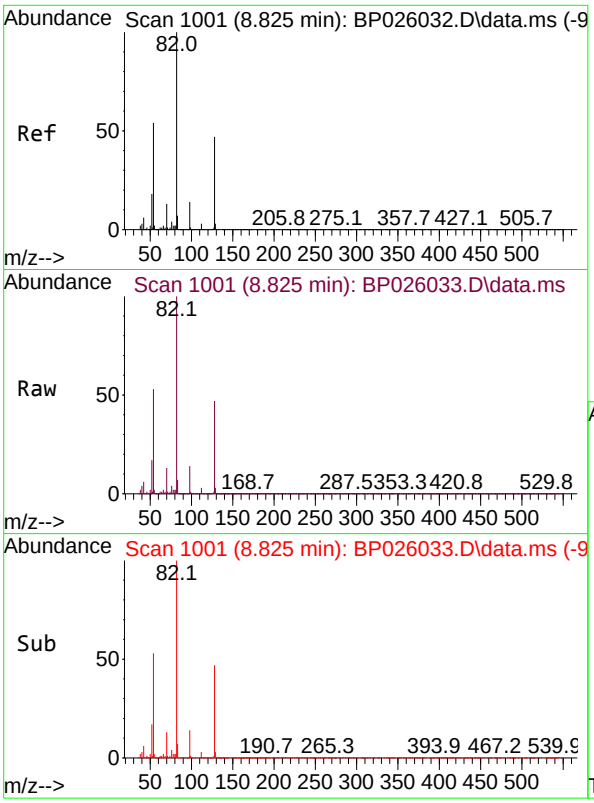


#22
Acetophenone
Concen: 45.025 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:105 Resp: 1638579

Ion	Ratio	Lower	Upper
105	100		
71	3.5	4.7	7.1#
51	26.1	21.8	32.8
120	22.7	18.7	28.1

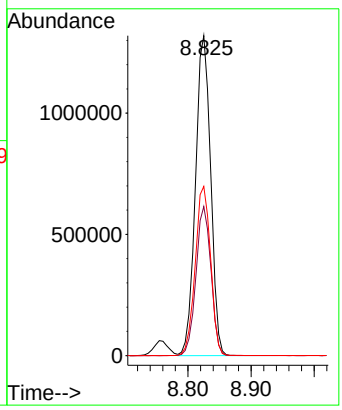




#23
Nitrobenzene-d5
Concen: 95.388 ng
RT: 8.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 82 Resp: 220179

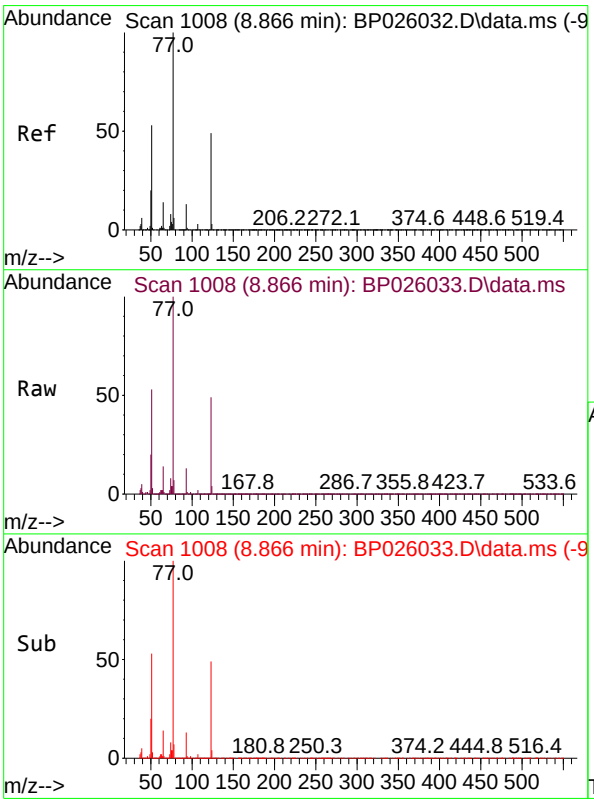
Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.4	56.0
54	52.9	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

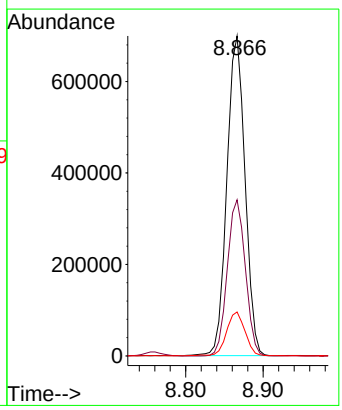
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

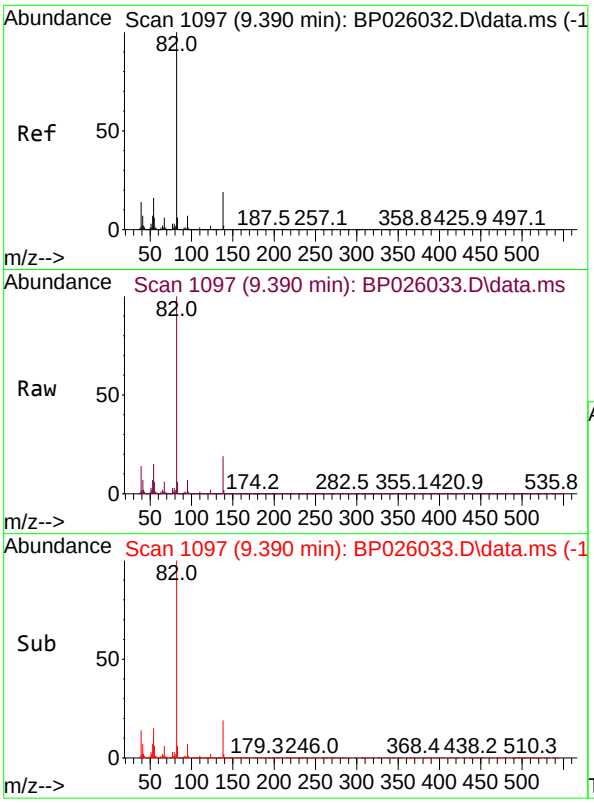


#24
Nitrobenzene
Concen: 46.762 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 1139668

Ion	Ratio	Lower	Upper
77	100		
123	48.8	39.0	58.4
65	13.7	10.9	16.3

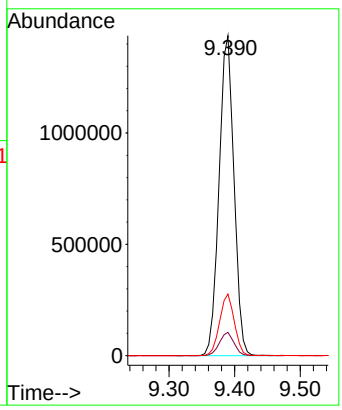




#25
Isophorone
Concen: 46.029 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 82 Resp: 227412

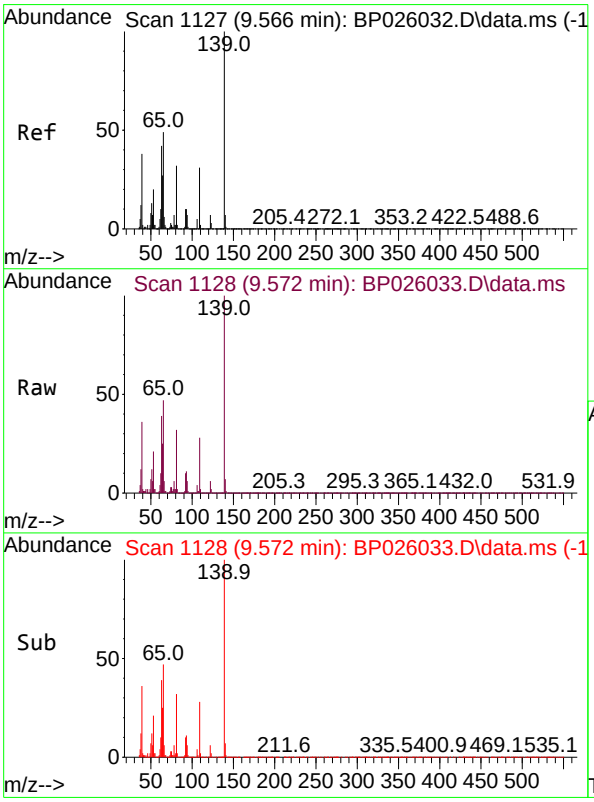
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	19.2	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

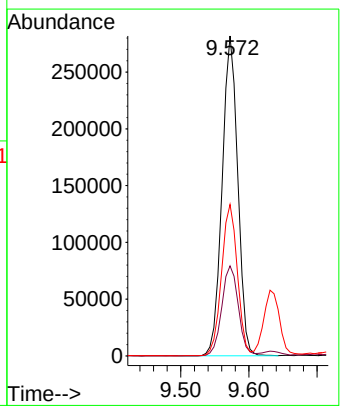
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

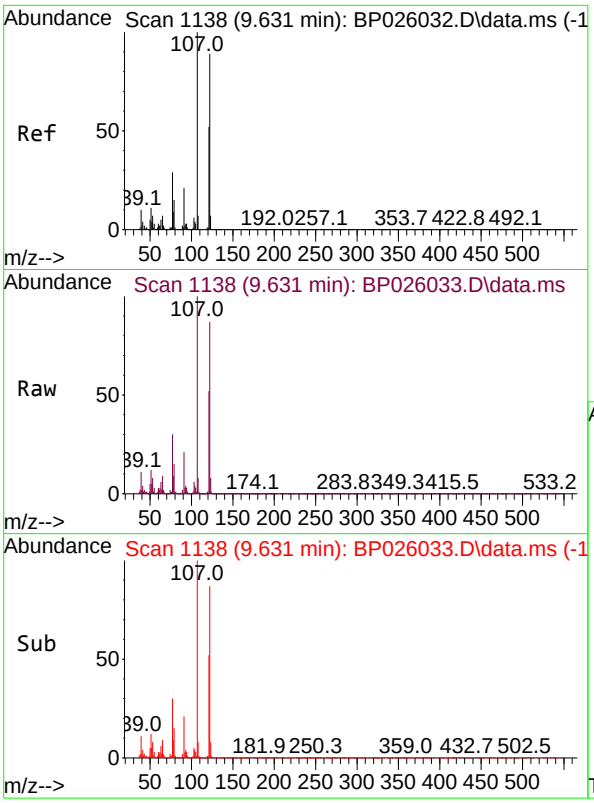


#26
2-Nitrophenol
Concen: 49.734 ng
RT: 9.572 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:139 Resp: 447065

Ion	Ratio	Lower	Upper
139	100		
109	28.1	24.8	37.2
65	47.3	39.0	58.4

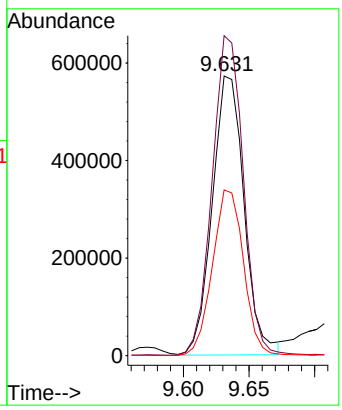




#27
2,4-Dimethylphenol
Concen: 46.532 ng
RT: 9.631 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:122 Resp: 96677

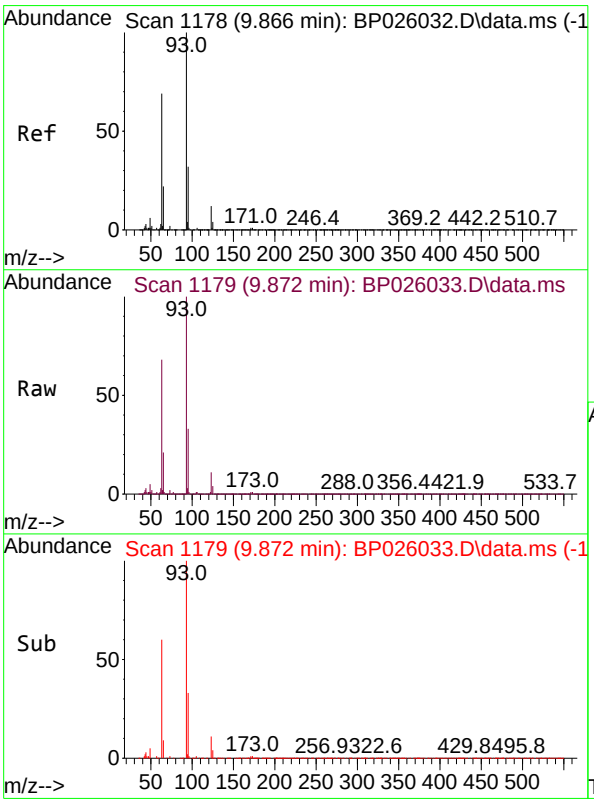
Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.2	133.8
121	59.2	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

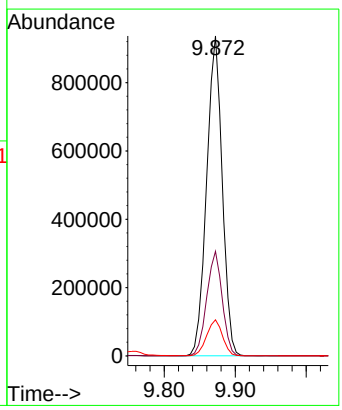
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

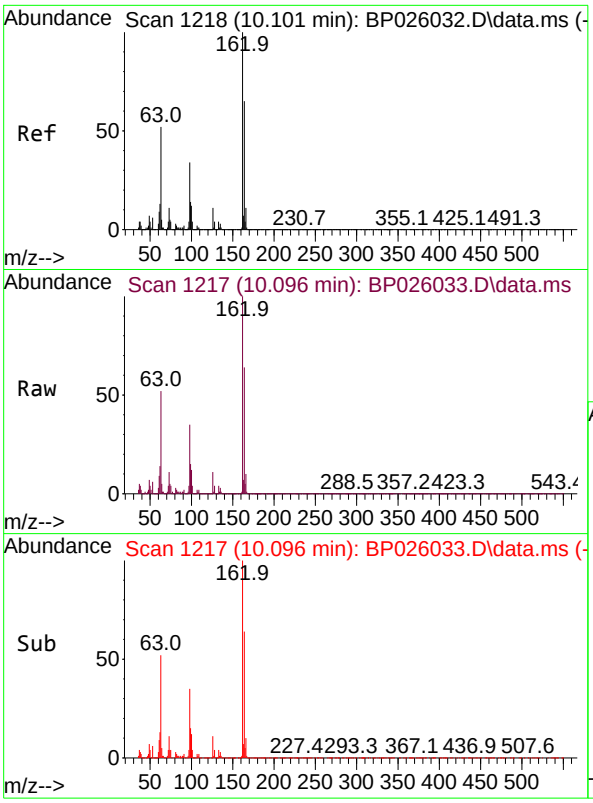


#28
bis(2-Chloroethoxy)methane
Concen: 45.719 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 93 Resp: 1423542

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	11.3	9.3	13.9

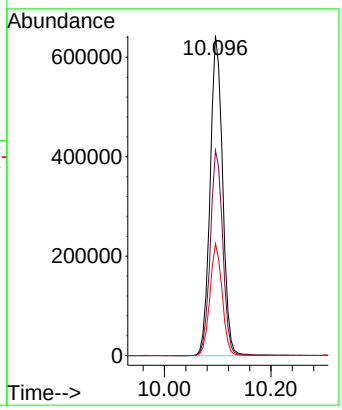




#29
2,4-Dichlorophenol
Concen: 47.877 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:162 Resp: 105027

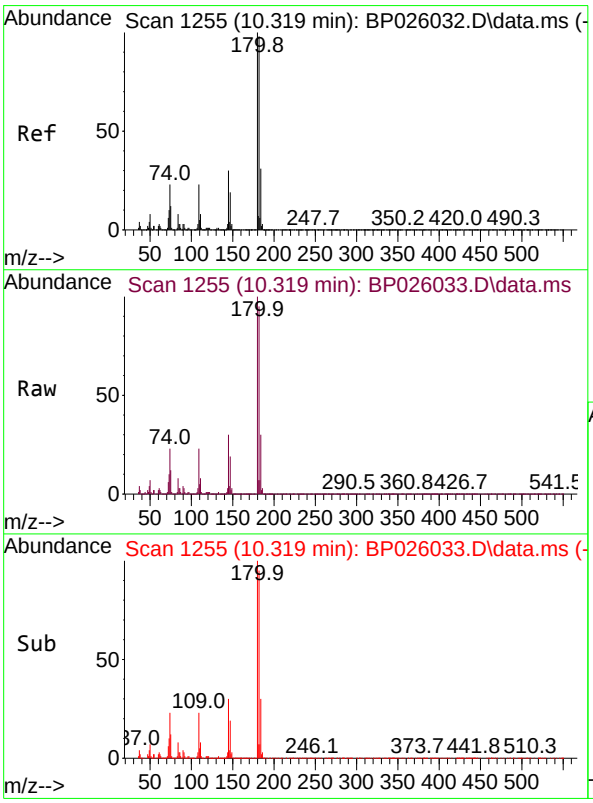
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	35.0	14.0	54.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

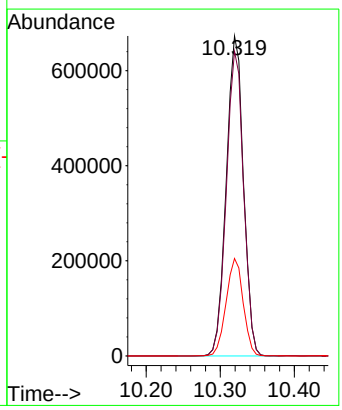
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

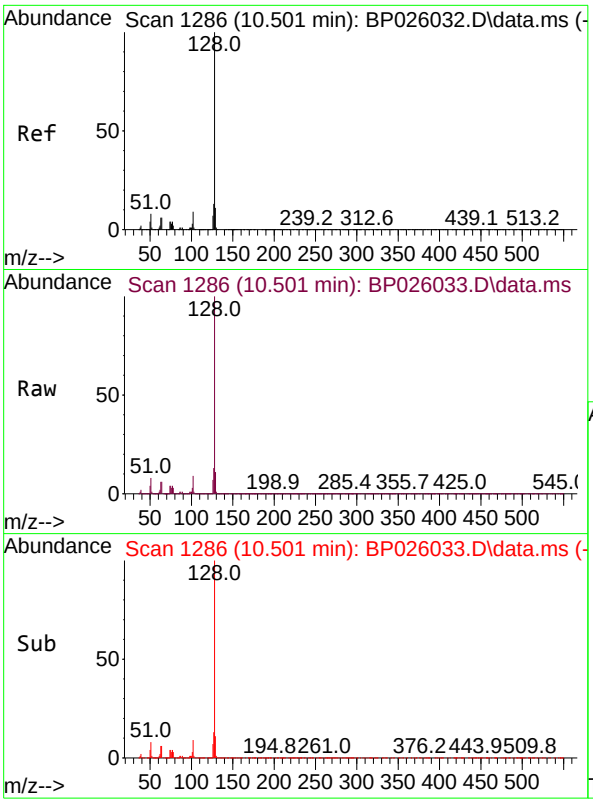


#30
1,2,4-Trichlorobenzene
Concen: 45.408 ng
RT: 10.319 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:180 Resp: 1082702

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.6	117.8
145	30.4	24.2	36.4

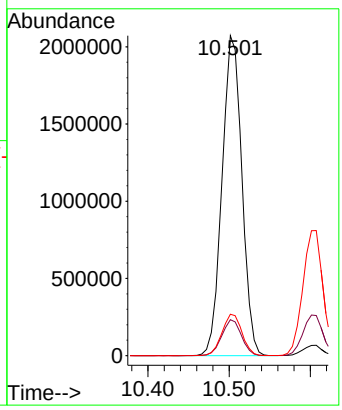




#31
Naphthalene
Concen: 44.821 ng
RT: 10.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:128 Resp: 351708

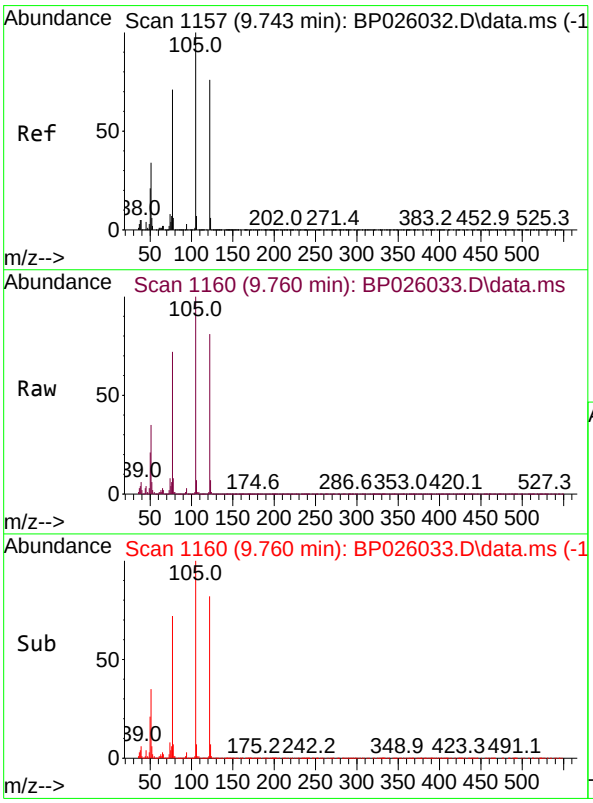
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.9	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

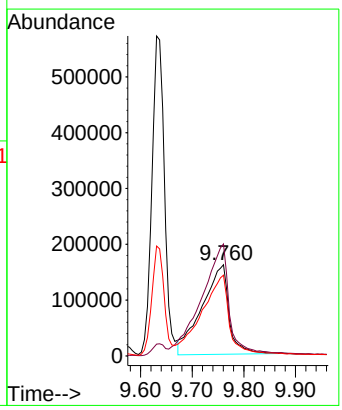
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

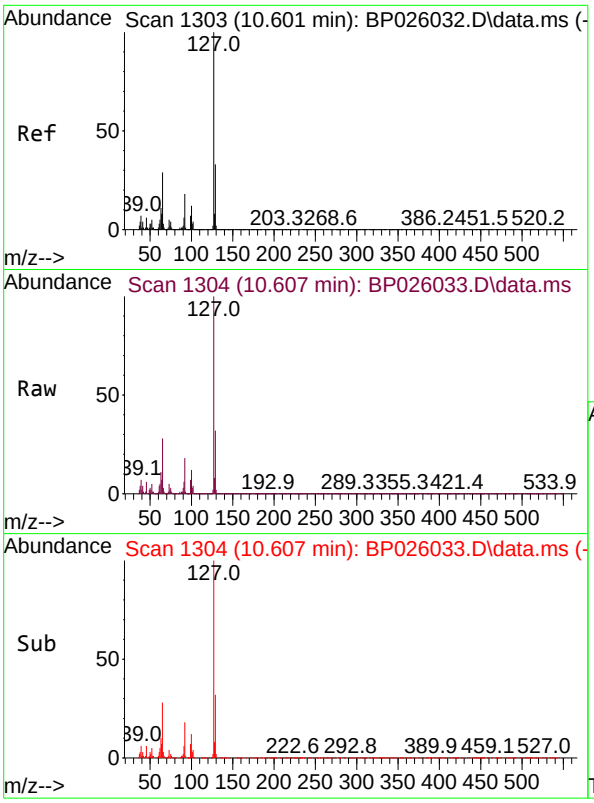


#32
Benzoic acid
Concen: 46.816 ng
RT: 9.760 min Scan# 1160
Delta R.T. -0.018 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:122 Resp: 583423

Ion	Ratio	Lower	Upper
122	100		
105	122.7	104.8	144.8
77	88.6	70.9	110.9

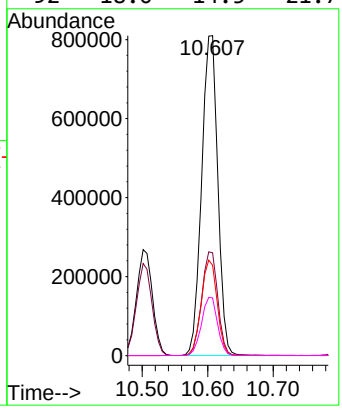




#33
4-Chloroaniline
Concen: 45.768 ng
RT: 10.607 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:127 Resp: 138008

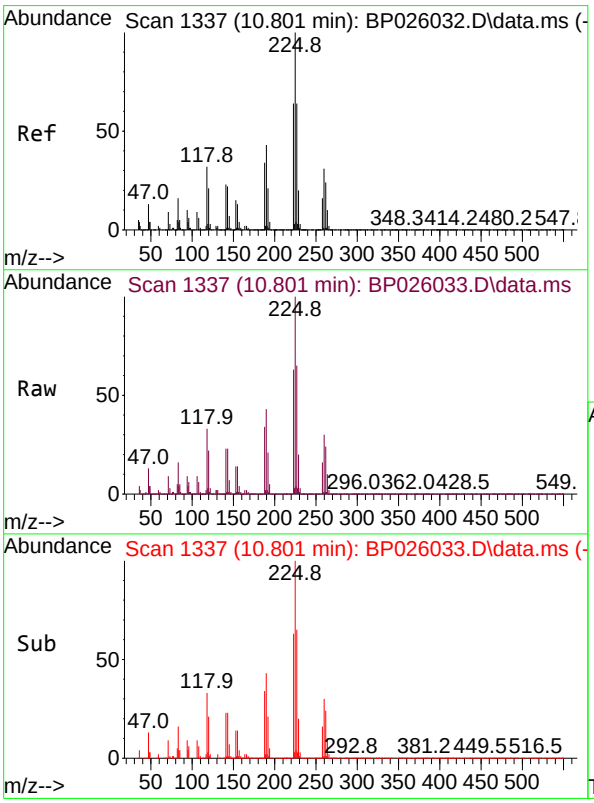
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	28.2	23.2	34.8
92	18.0	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

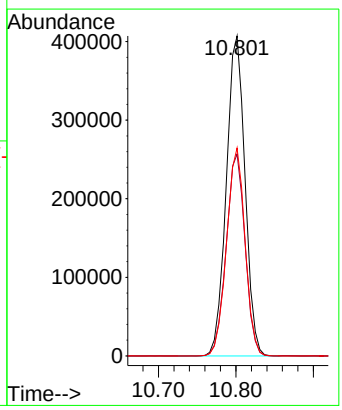
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

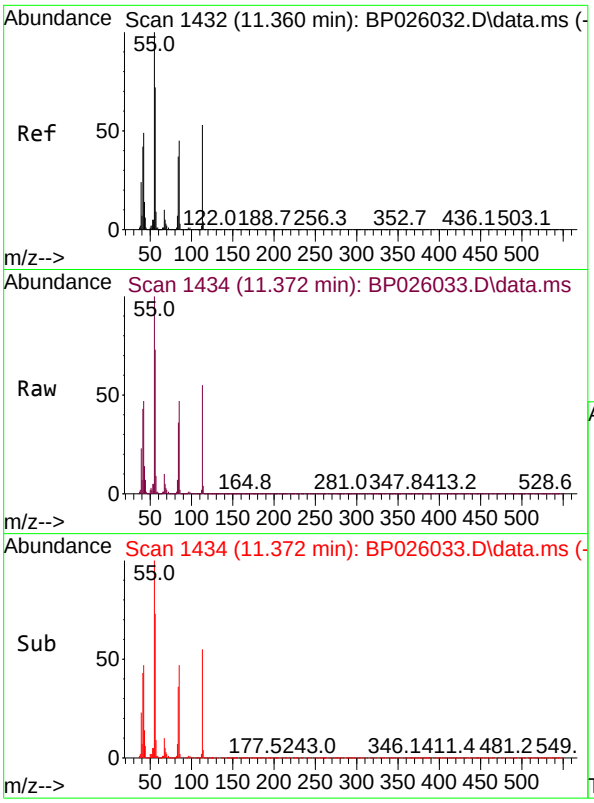


#34
Hexachlorobutadiene
Concen: 45.101 ng
RT: 10.801 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:225 Resp: 683383

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	65.0	51.0	76.4

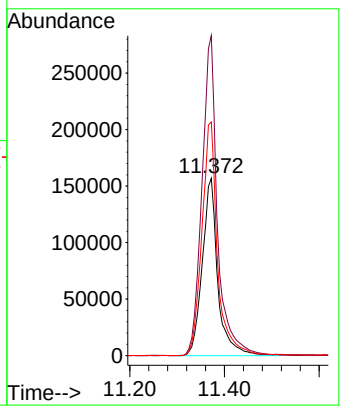




#35
Caprolactam
Concen: 46.253 ng
RT: 11.372 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:113 Resp: 35631

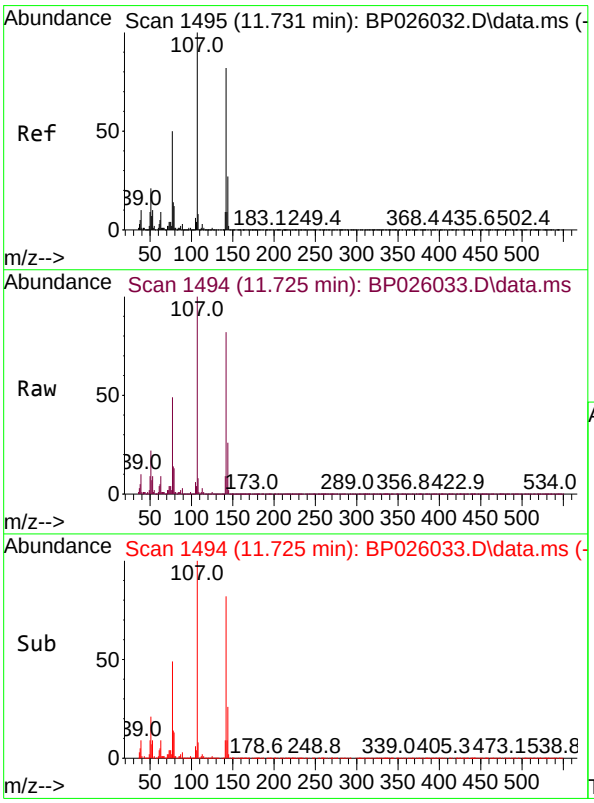
Ion	Ratio	Lower	Upper
113	100		
55	180.4	169.9	209.9
56	131.8	116.7	156.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

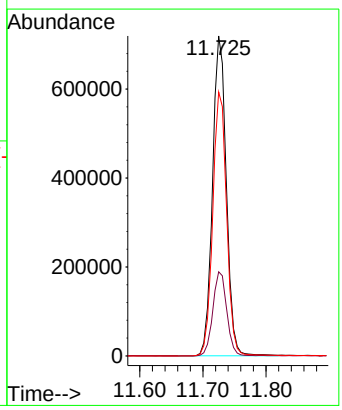
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

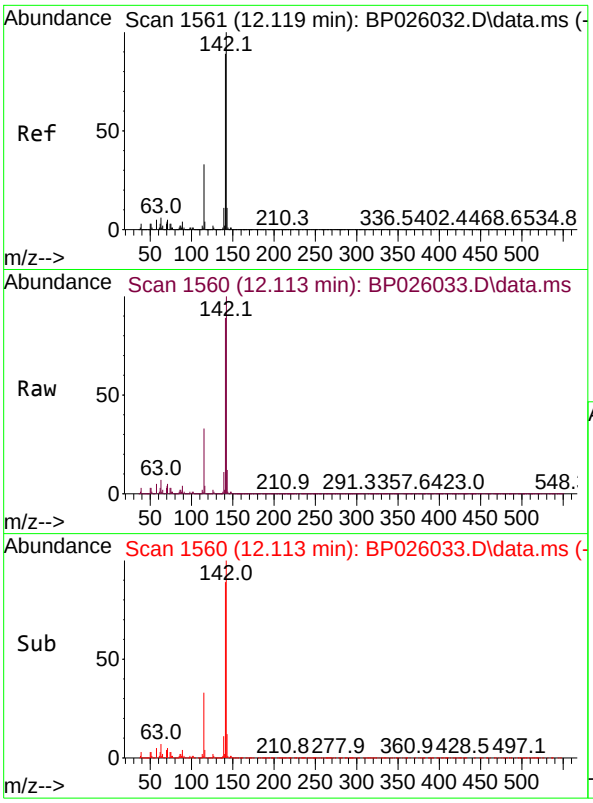


#36
4-Chloro-3-methylphenol
Concen: 47.466 ng
RT: 11.725 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:107 Resp: 1091555

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.3	31.9
142	82.5	65.2	97.8

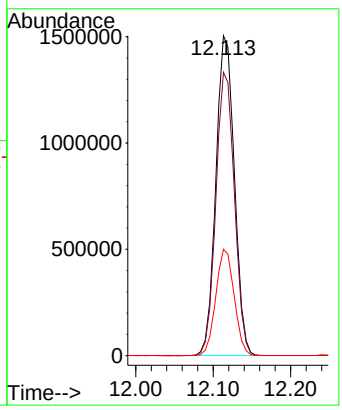




#37
2-Methylnaphthalene
Concen: 45.460 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:142 Resp: 249669

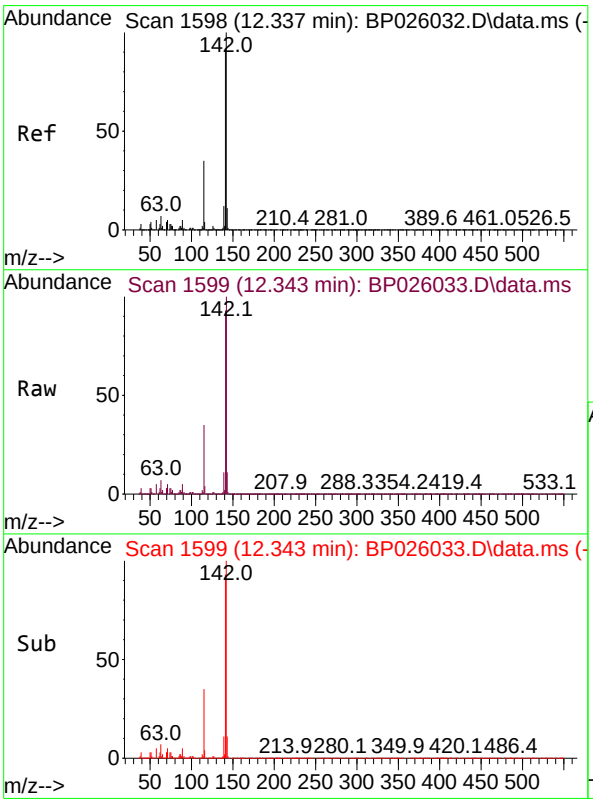
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.6	107.4
115	33.2	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

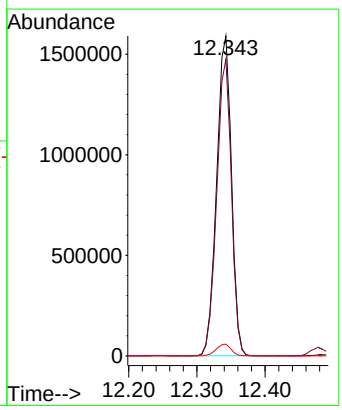
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

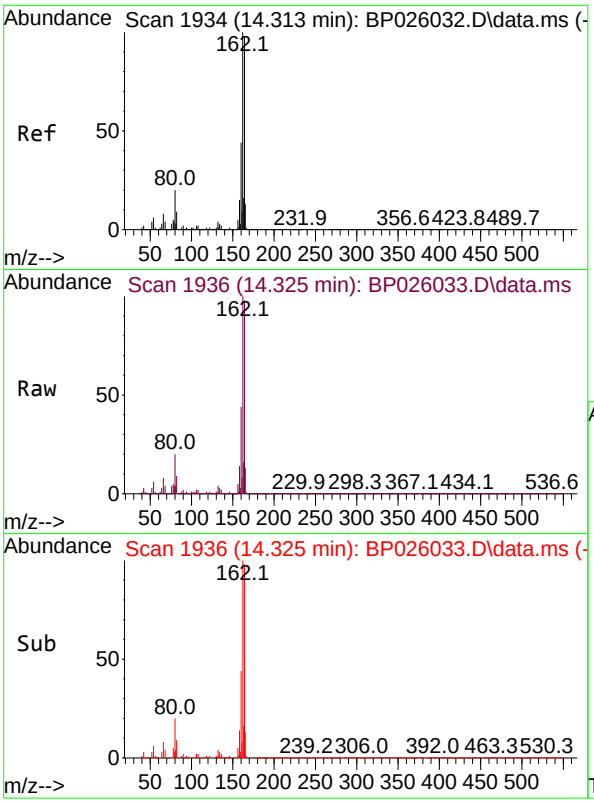


#38
1-Methylnaphthalene
Concen: 44.696 ng
RT: 12.343 min Scan# 1599
Delta R.T. 0.007 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:142 Resp: 2384802

Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.7	109.1
116	3.7	2.9	4.3

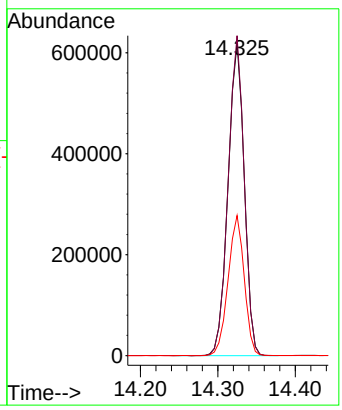




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:164 Resp: 90427

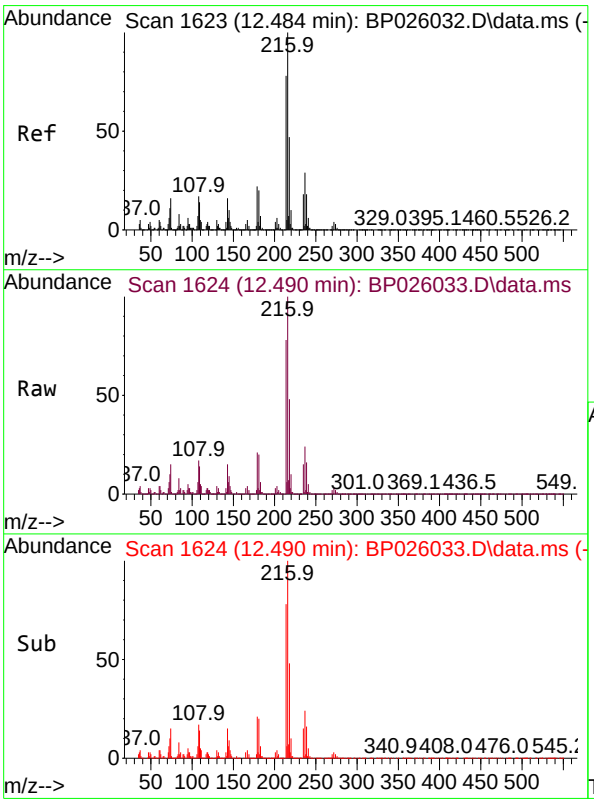
Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.5	122.3
160	44.8	36.2	54.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

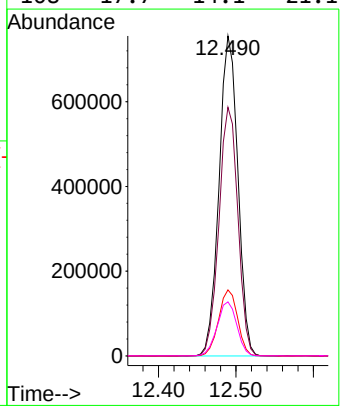
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

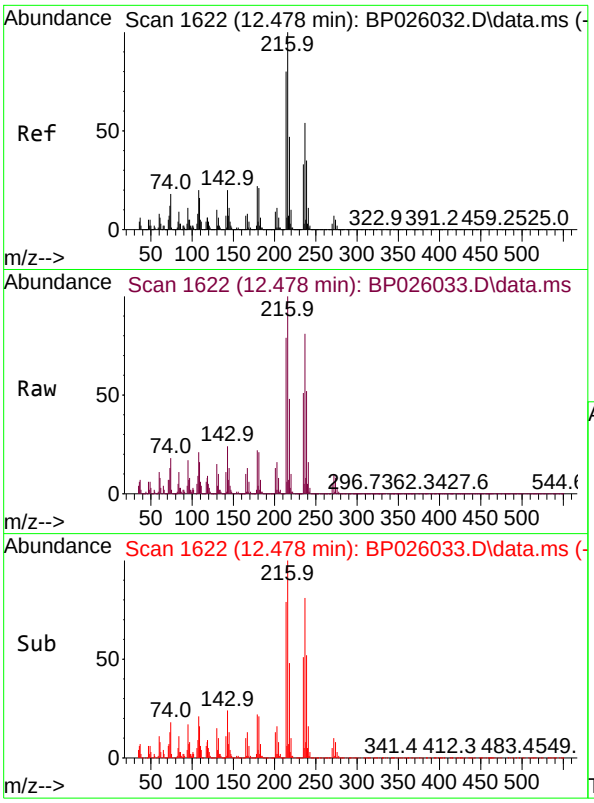


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.422 ng
RT: 12.490 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:216 Resp: 1276225

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.8	16.9	25.3
108	17.7	14.1	21.1

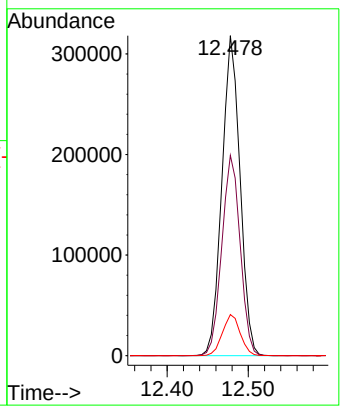




#41
Hexachlorocyclopentadiene
Concen: 47.892 ng
RT: 12.478 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:237 Resp: 492338

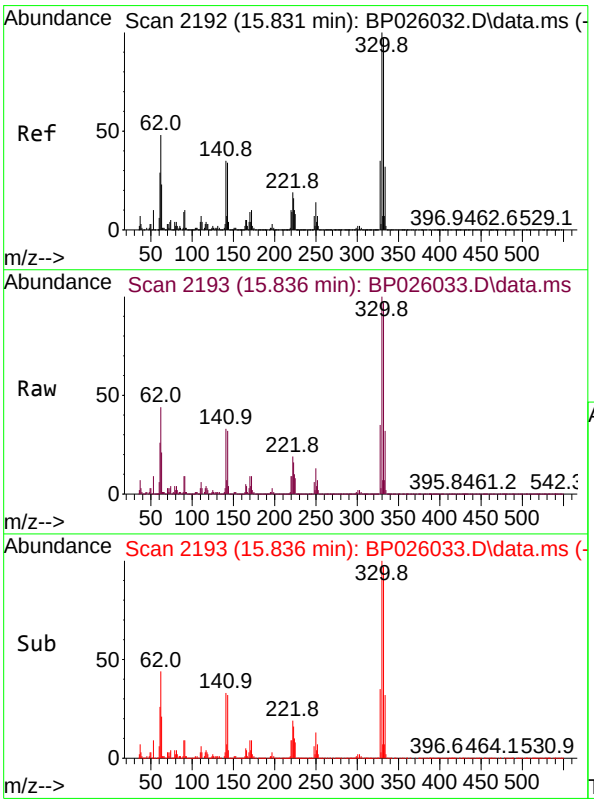
Ion	Ratio	Lower	Upper
237	100		
235	62.6	40.4	80.4
272	12.8	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

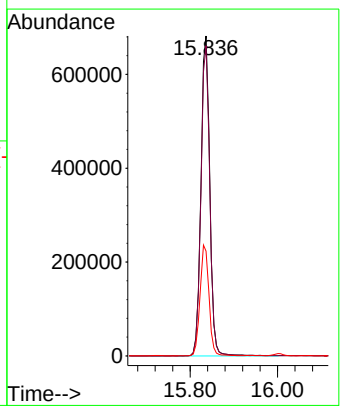
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

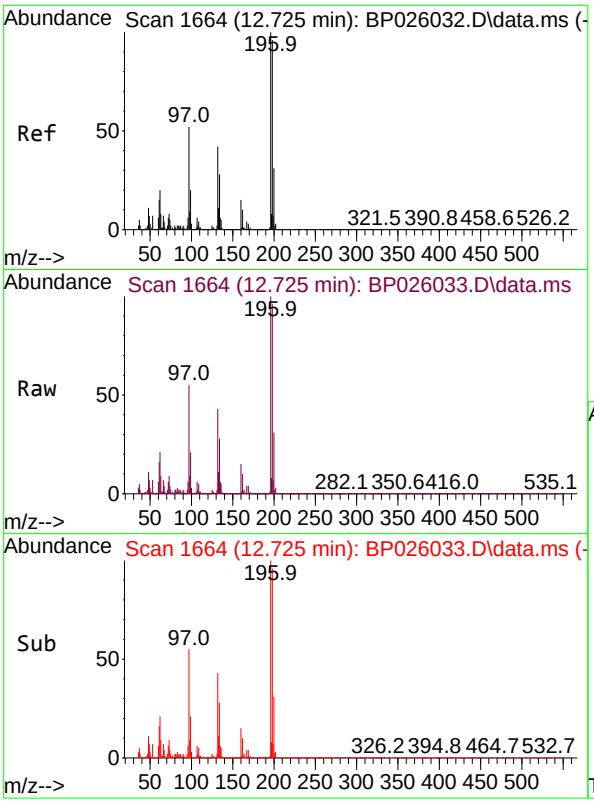


#42
2,4,6-Tribromophenol
Concen: 96.828 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:330 Resp: 946601

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	35.2	28.6	42.8

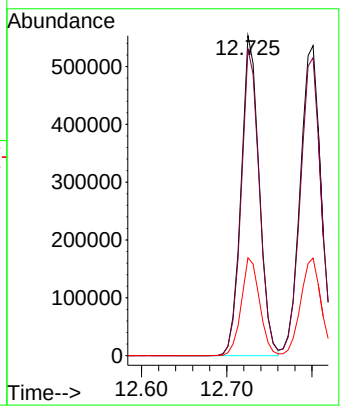




#43
2,4,6-Trichlorophenol
Concen: 49.033 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:196 Resp: 81431

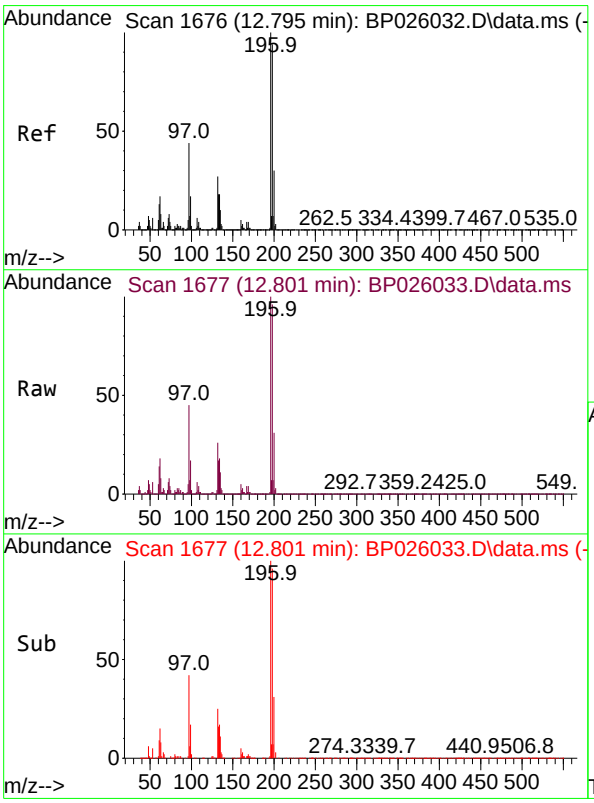
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.5	114.7
200	30.6	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

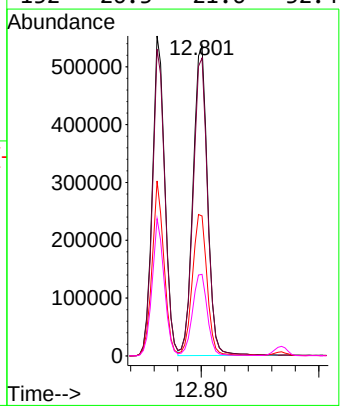
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

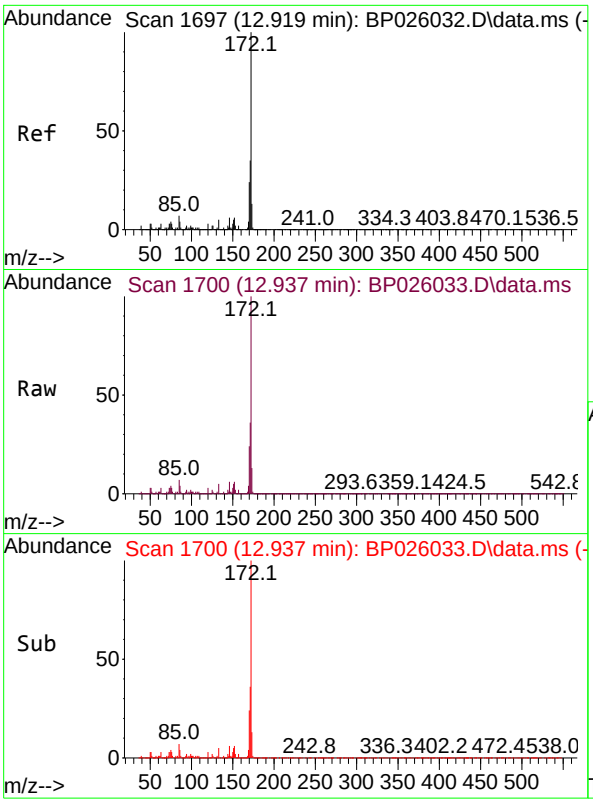


#44
2,4,5-Trichlorophenol
Concen: 48.327 ng
RT: 12.801 min Scan# 1677
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:196 Resp: 915816

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.1	112.7
97	45.2	35.5	53.3
132	26.3	21.6	32.4

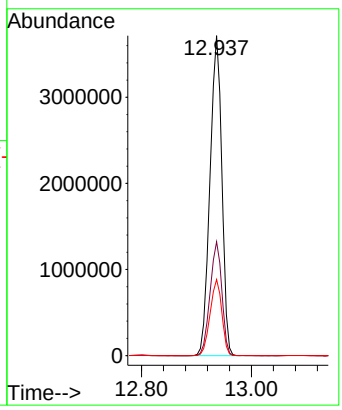




#45
2-Fluorobiphenyl
Concen: 88.427 ng
RT: 12.937 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:172 Resp: 556483

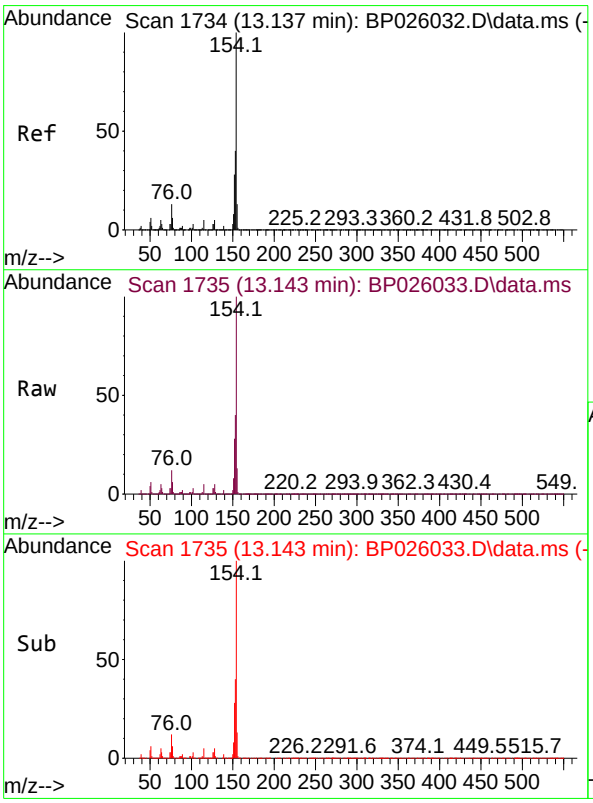
Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

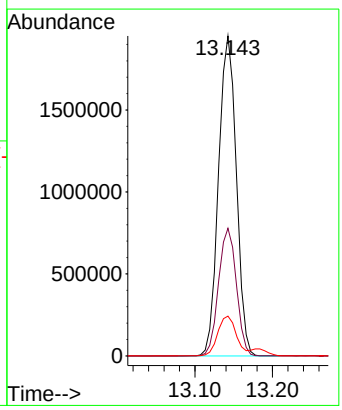
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

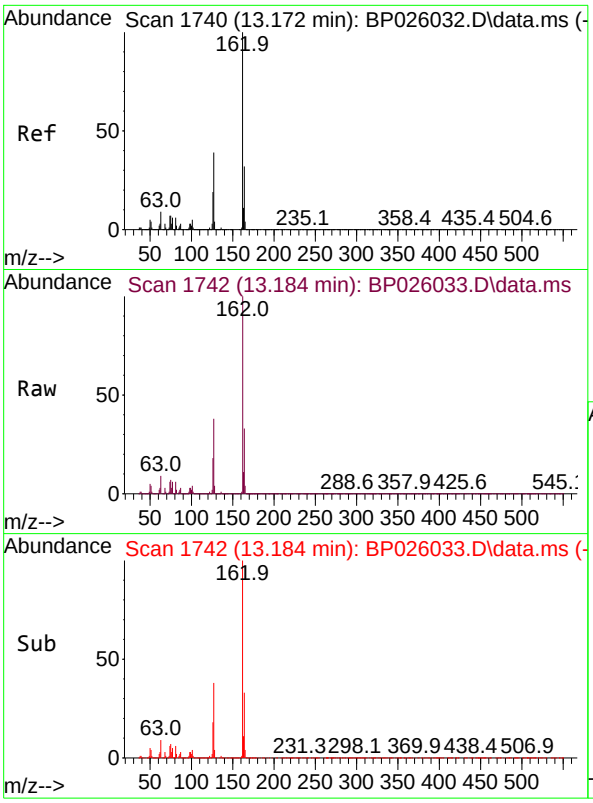


#46
1,1'-Biphenyl
Concen: 44.979 ng
RT: 13.143 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:154 Resp: 3114348

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.2	60.2
76	12.4	0.0	32.8

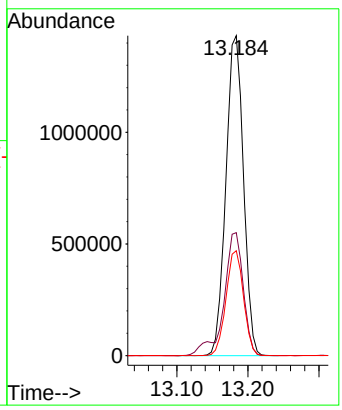




#47
2-Chloronaphthalene
Concen: 45.251 ng
RT: 13.184 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:162 Resp: 246520

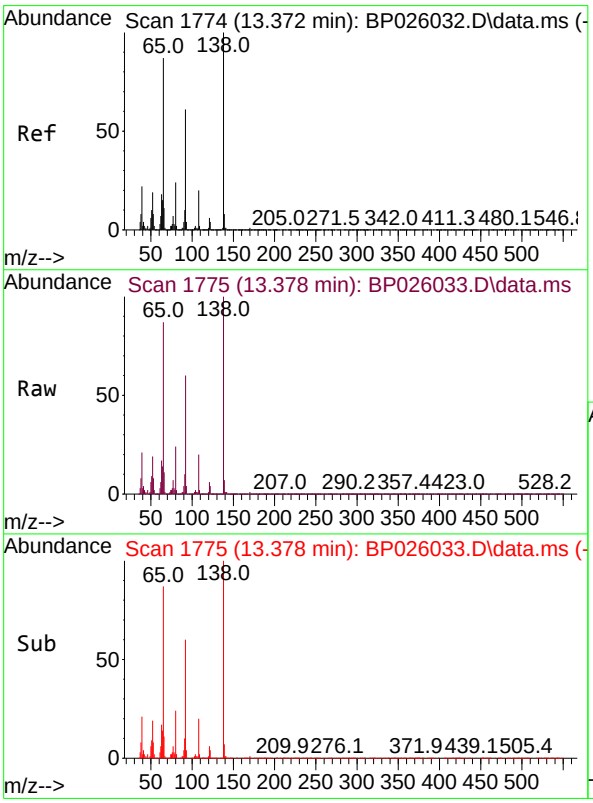
Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	32.8	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

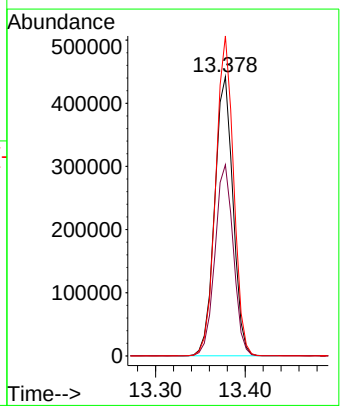
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

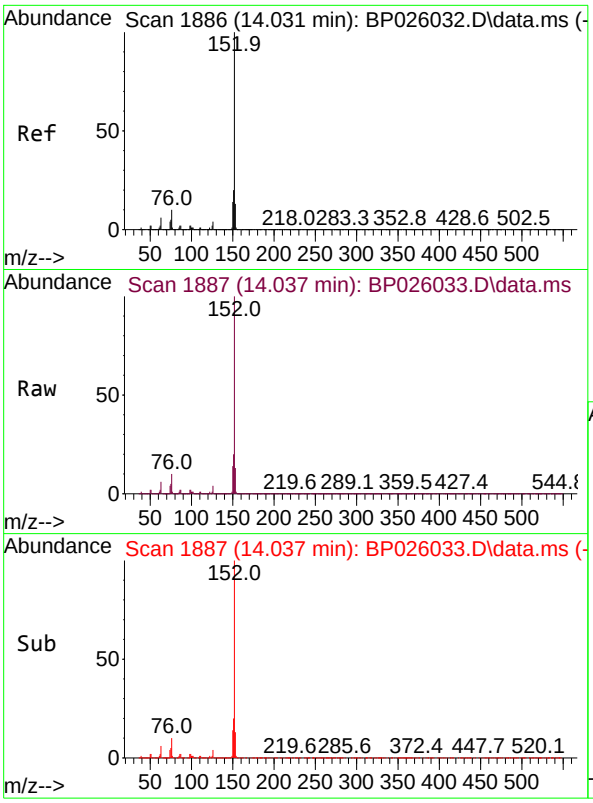


#48
2-Nitroaniline
Concen: 45.673 ng
RT: 13.378 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 65 Resp: 626496

Ion	Ratio	Lower	Upper
65	100		
92	68.5	55.5	83.3
138	114.6	91.7	137.5

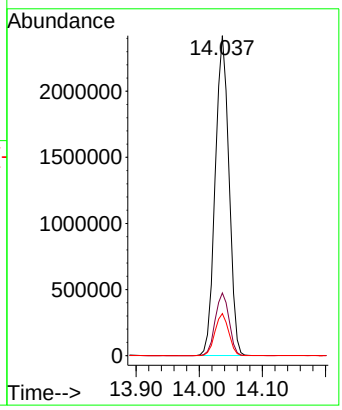




#49
Acenaphthylene
Concen: 46.069 ng
RT: 14.037 min Scan# 18
Delta R.T. 0.001 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:152 Resp: 365797

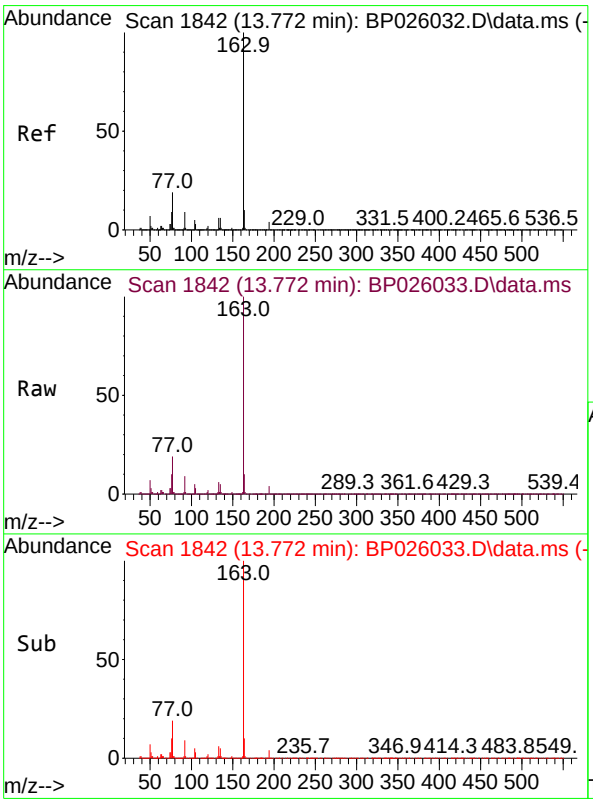
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

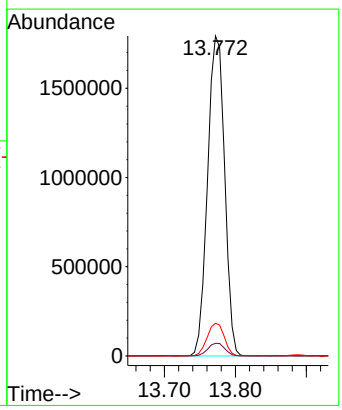
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

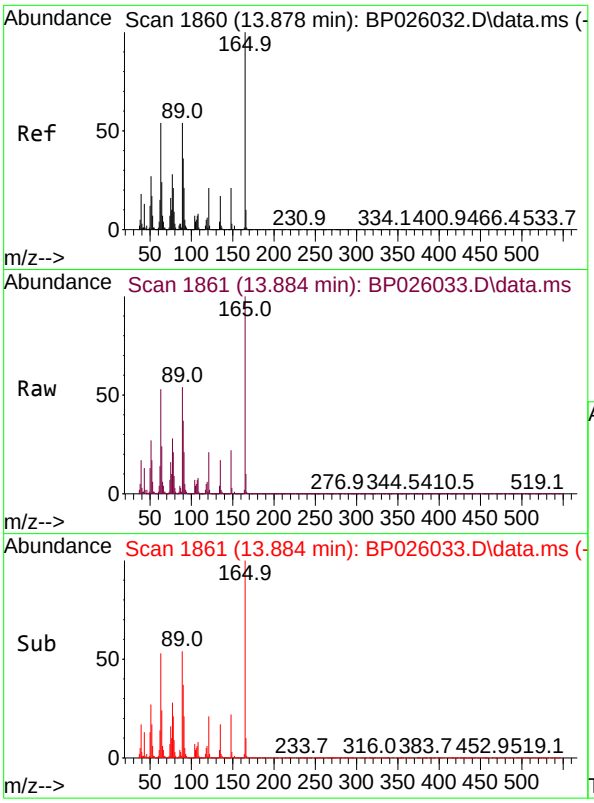


#50
Dimethylphthalate
Concen: 45.465 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:163 Resp: 2990506

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.947 ng
RT: 13.884 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

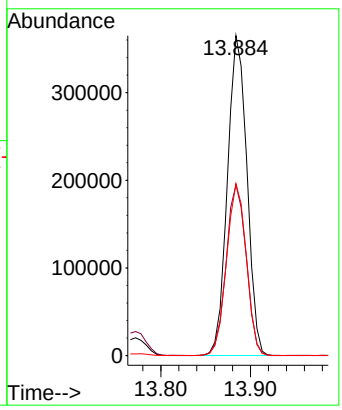
Tgt Ion:165 Resp: 554294

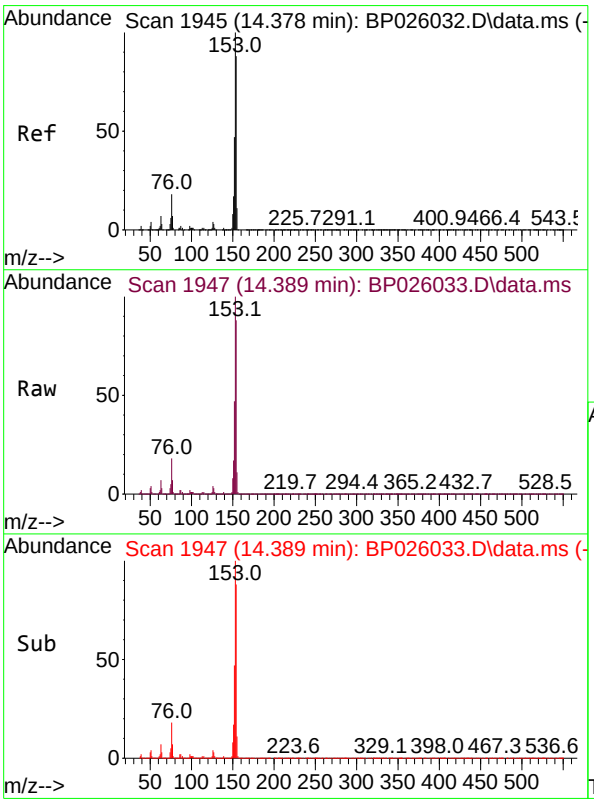
Ion	Ratio	Lower	Upper
165	100		
63	53.4	43.0	64.4
89	53.7	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

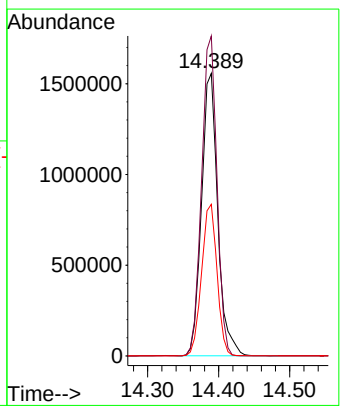


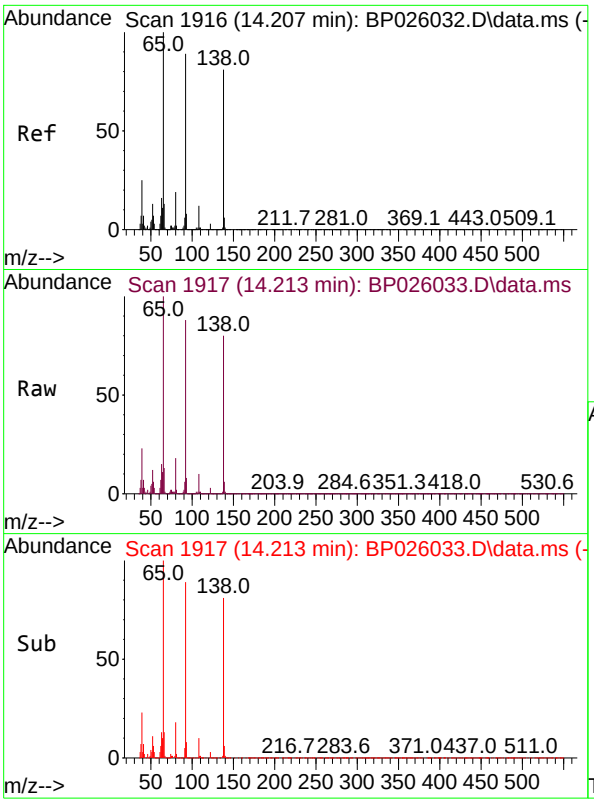


#52
Acenaphthene
Concen: 45.148 ng
RT: 14.389 min Scan# 1947
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:154 Resp: 2461012

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.0	136.4
152	53.7	42.7	64.1





#53
3-Nitroaniline
Concen: 45.125 ng
RT: 14.213 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

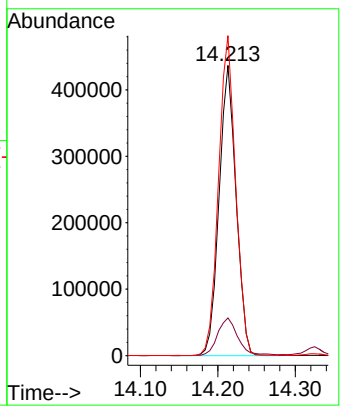
Tgt Ion:138 Resp: 66620

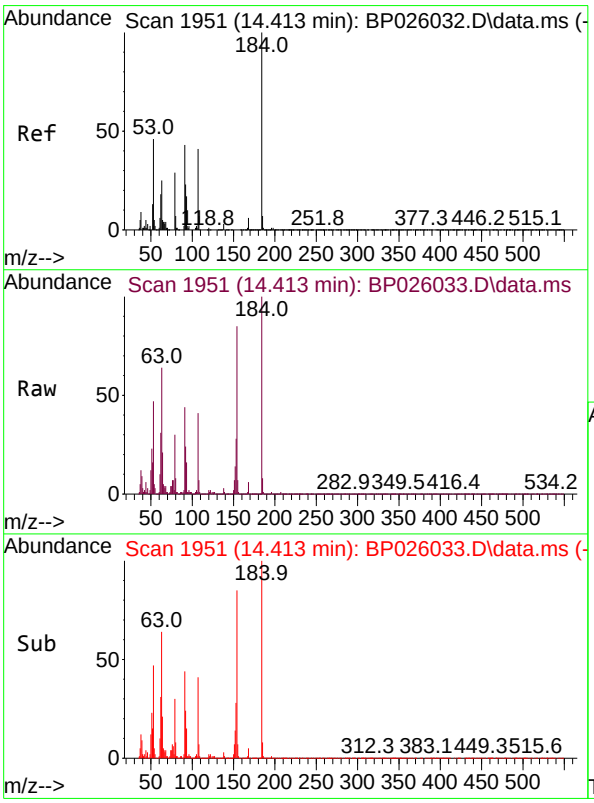
Ion	Ratio	Lower	Upper
138	100		
108	13.0	11.4	17.0
92	110.3	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

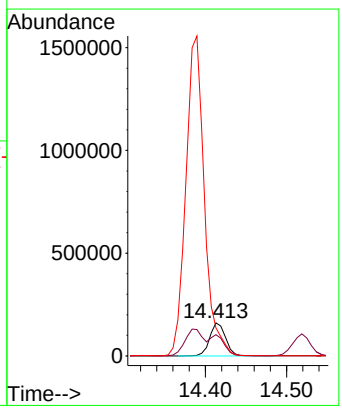


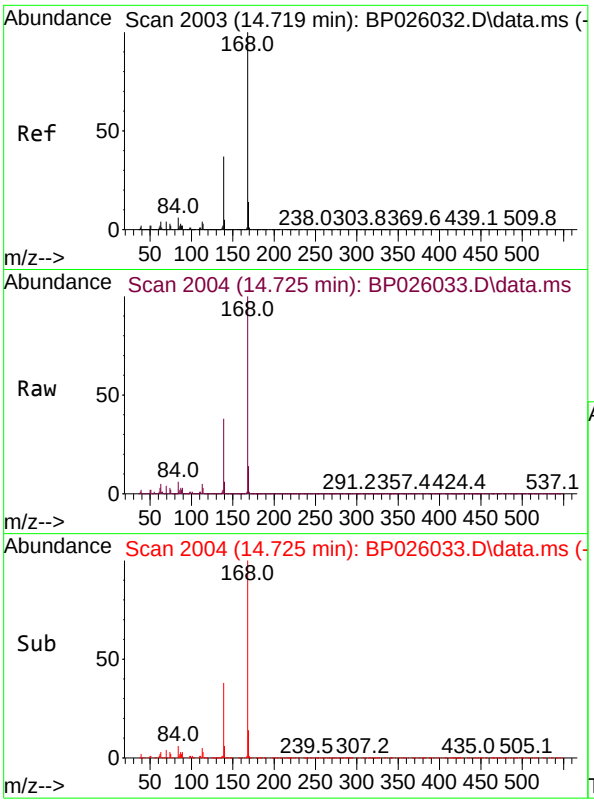


#54
2,4-Dinitrophenol
Concen: 46.408 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:184 Resp: 217265

Ion	Ratio	Lower	Upper
184	100		
63	63.9	49.0	73.4
154	84.5	51.0	76.6#

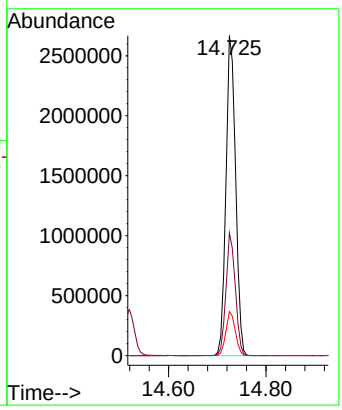




#55
Dibenzofuran
Concen: 44.295 ng
RT: 14.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:168 Resp: 3647999

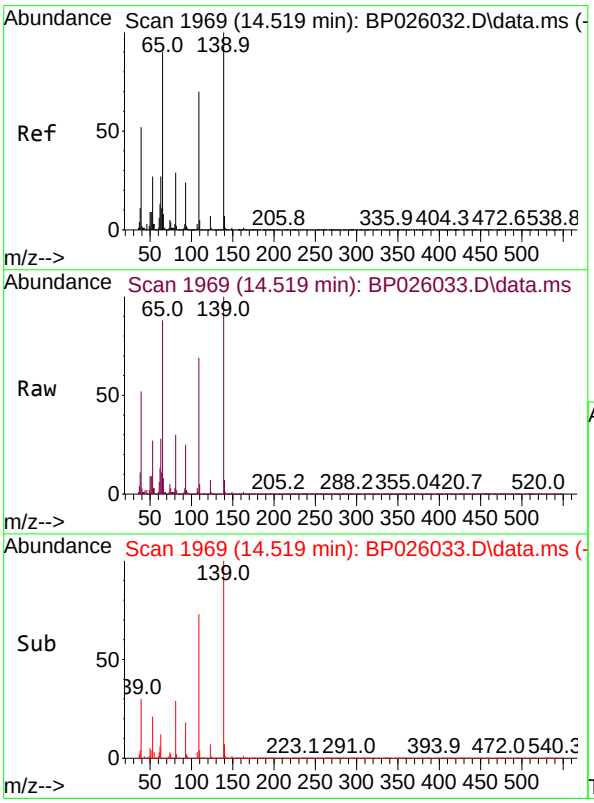
Ion	Ratio	Lower	Upper
168	100		
139	38.3	29.7	44.5
169	13.7	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

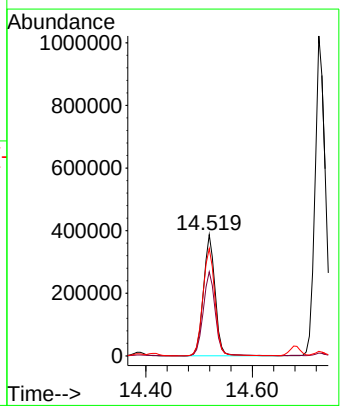
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

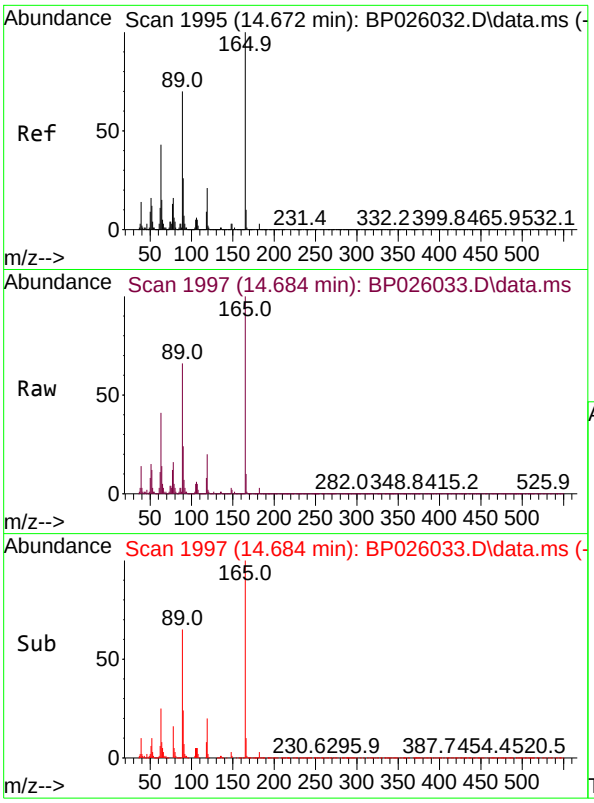


#56
4-Nitrophenol
Concen: 44.465 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:139 Resp: 583197

Ion	Ratio	Lower	Upper
139	100		
109	69.4	50.0	90.0
65	88.5	69.6	109.6

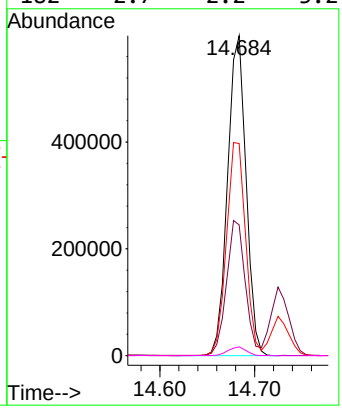




#57
2,4-Dinitrotoluene
Concen: 46.376 ng
RT: 14.684 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:165 Resp: 81296

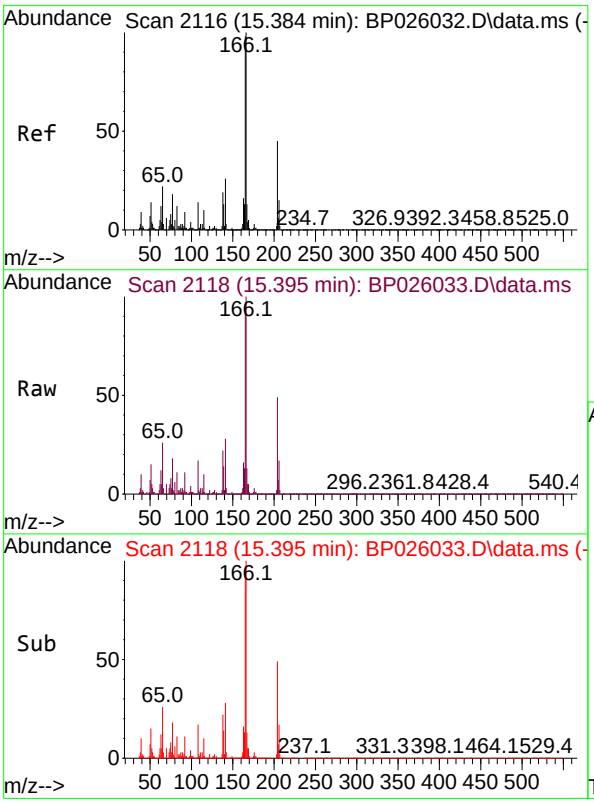
Ion	Ratio	Lower	Upper
165	100		
63	40.8	34.2	51.2
89	66.3	56.0	84.0
182	2.7	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

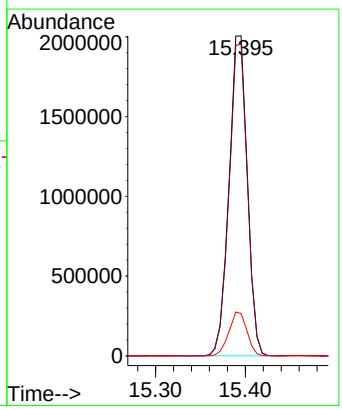
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

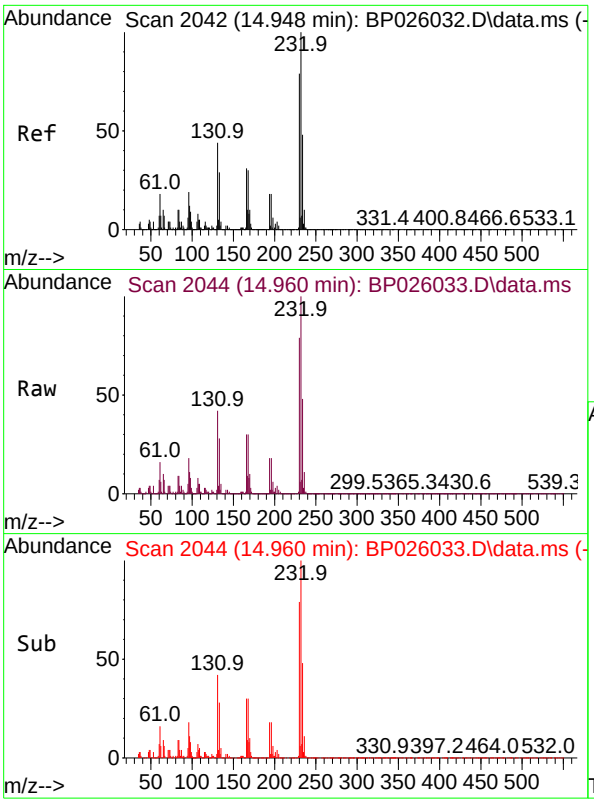


#58
Fluorene
Concen: 44.149 ng
RT: 15.395 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:166 Resp: 2848597

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.2	10.6	16.0

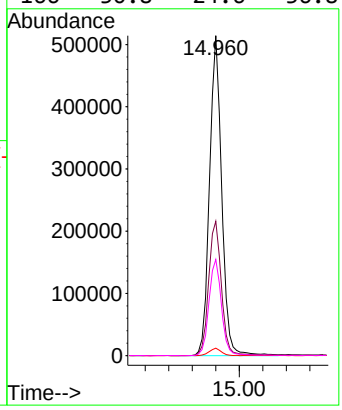




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.733 ng
RT: 14.960 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:232 Resp: 74100

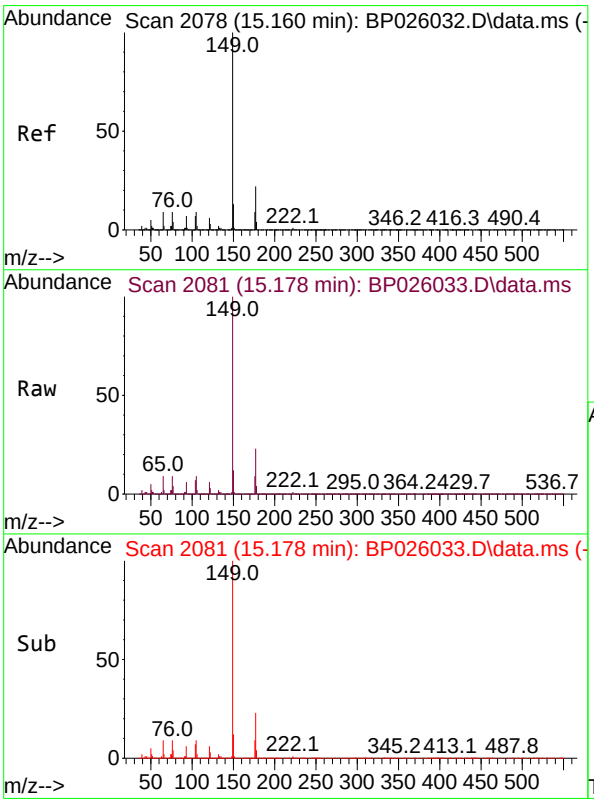
Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.2	52.8
130	2.3	1.7	2.5
166	30.8	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

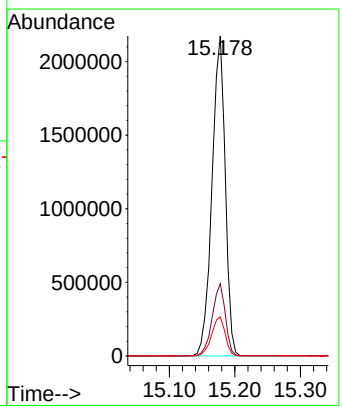
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

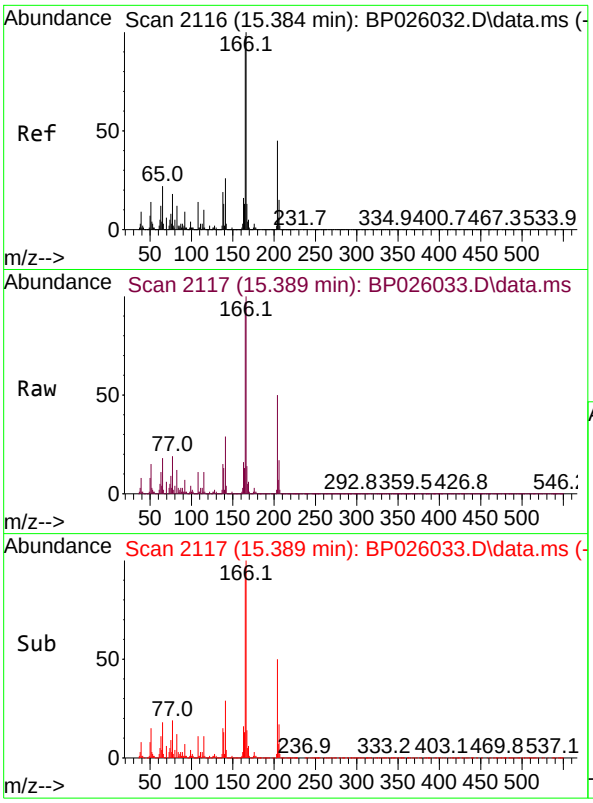


#60
Diethylphthalate
Concen: 46.159 ng
RT: 15.178 min Scan# 2081
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 3052331

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.2	10.1	15.1

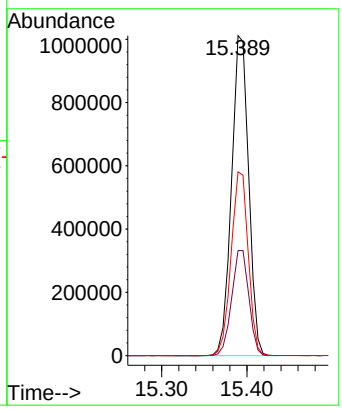




#61
4-Chlorophenyl-phenylether
Concen: 43.714 ng
RT: 15.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:204 Resp: 140851

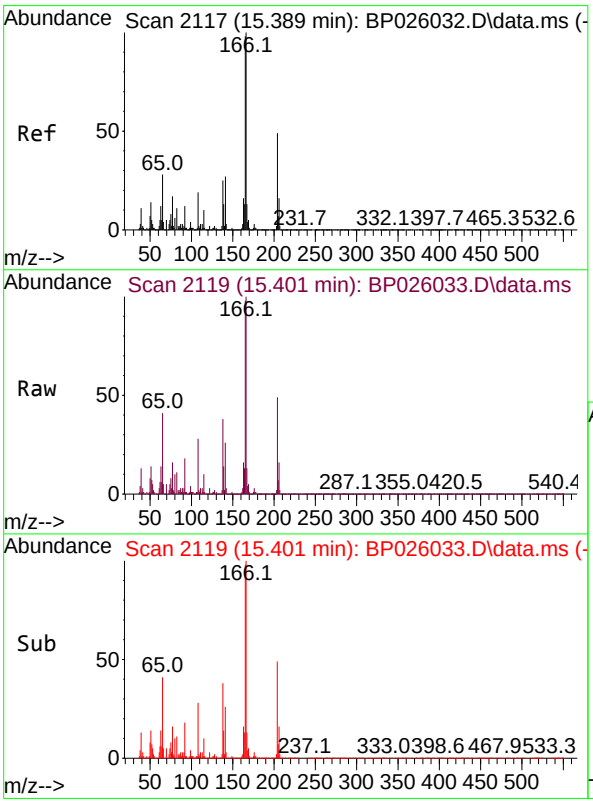
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	57.4	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

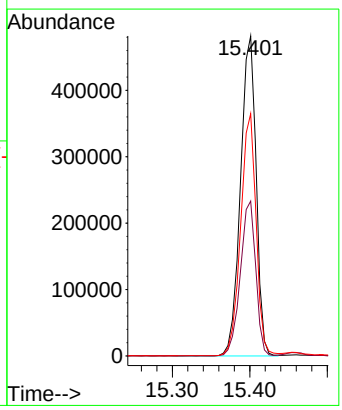
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

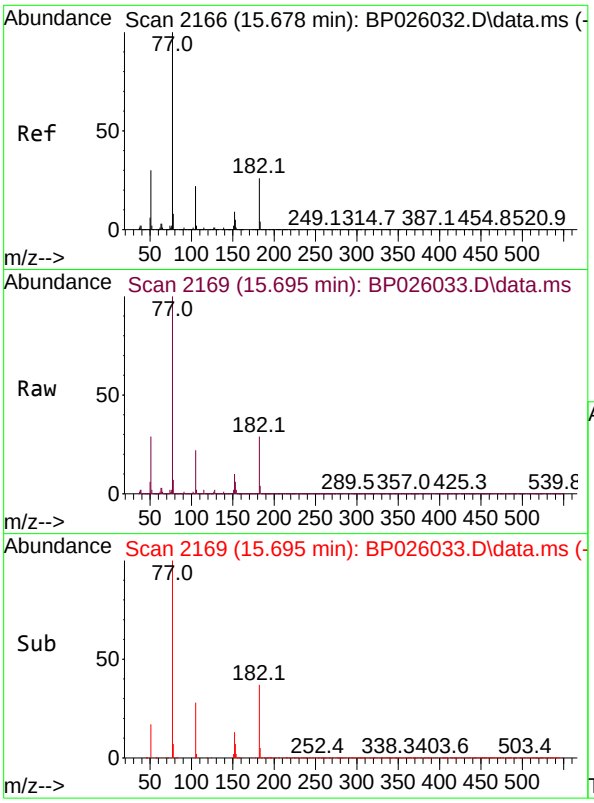


#62
4-Nitroaniline
Concen: 47.907 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:138 Resp: 673347

Ion	Ratio	Lower	Upper
138	100		
92	48.4	28.2	68.2
108	75.7	56.0	96.0

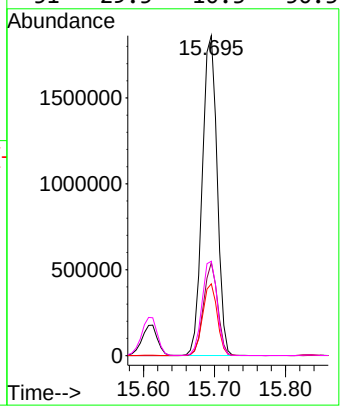




#63
Azobenzene
Concen: 44.816 ng
RT: 15.695 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion: 77 Resp: 268582

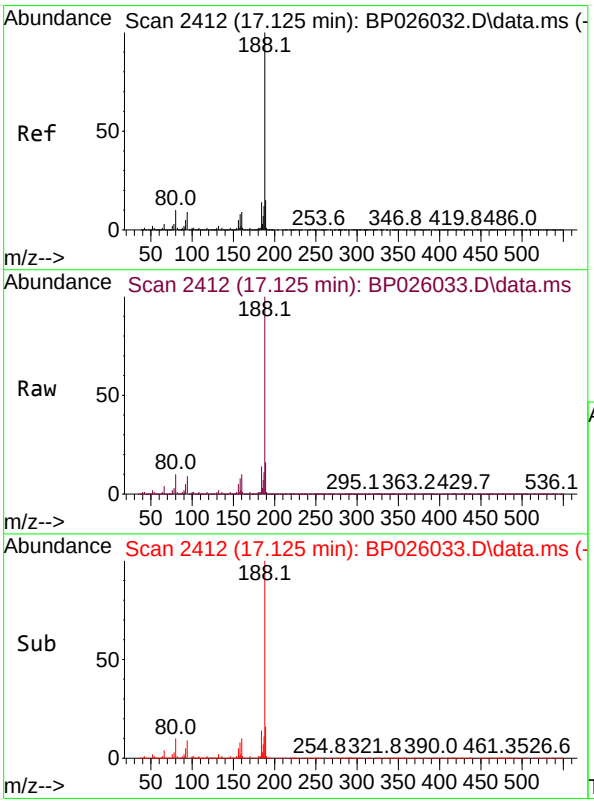
Ion	Ratio	Lower	Upper
77	100		
182	29.0	6.4	46.4
105	22.5	2.2	42.2
51	29.5	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

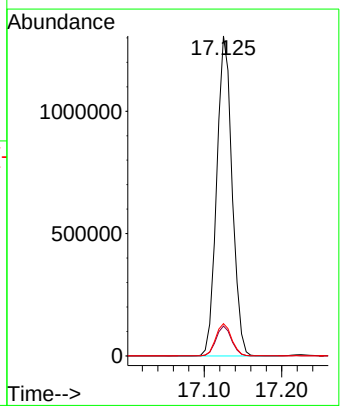
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

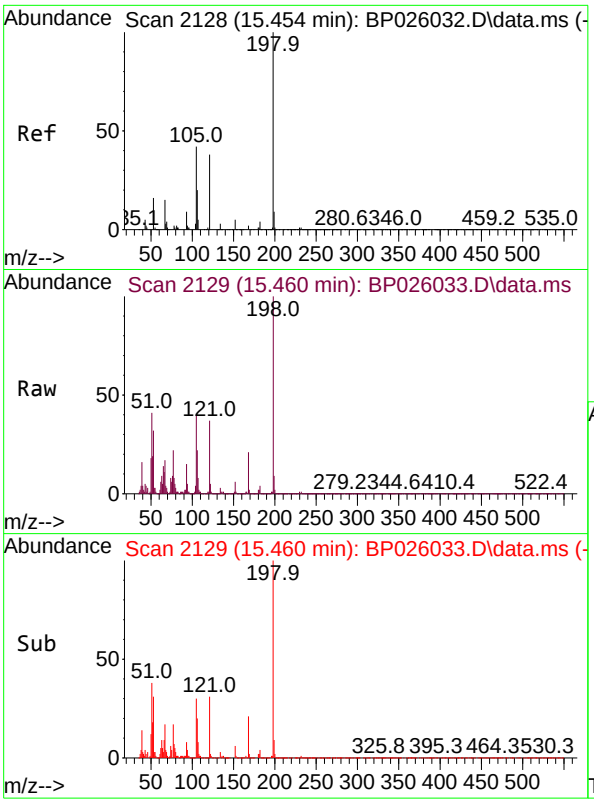


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:188 Resp: 1803155

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	10.1	7.9	11.9

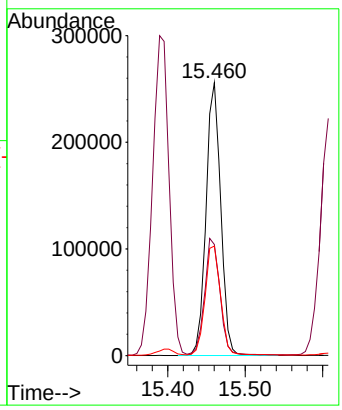




#65
4,6-Dinitro-2-methylphenol
Concen: 46.617 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

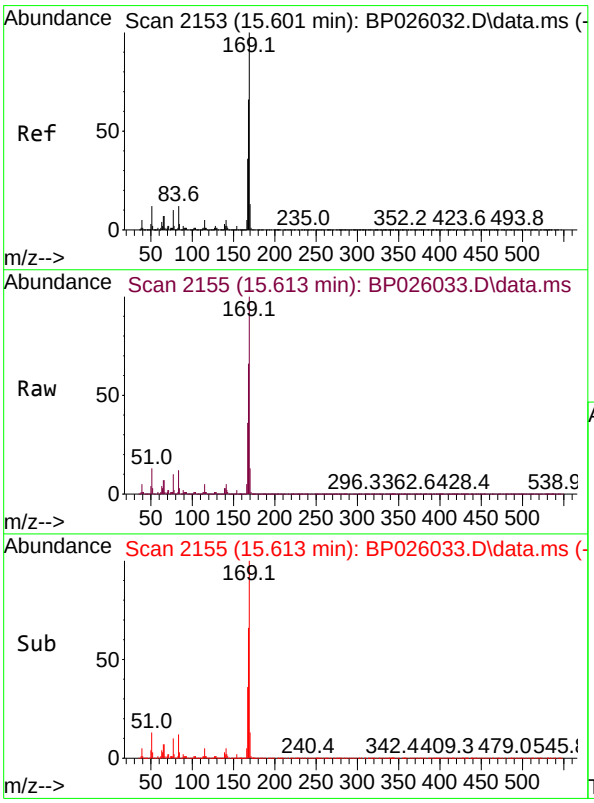
Tgt Ion:198 Resp: 33687

Ion	Ratio	Lower	Upper
198	100		
51	40.7	25.2	65.2
105	40.1	23.7	63.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

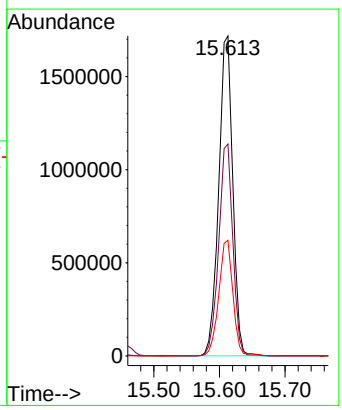
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

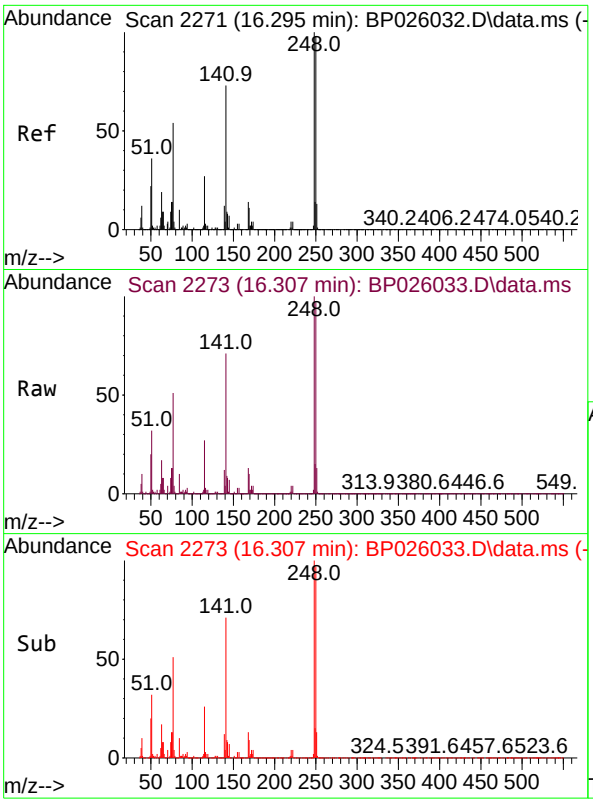


#66
n-Nitrosodiphenylamine
Concen: 45.350 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.012 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:169 Resp: 2556770

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.9	79.3
167	36.1	28.9	43.3

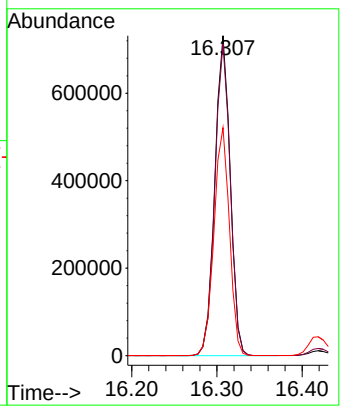




#67
4-Bromophenyl-phenylether
Concen: 45.926 ng
RT: 16.307 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:248 Resp: 91858

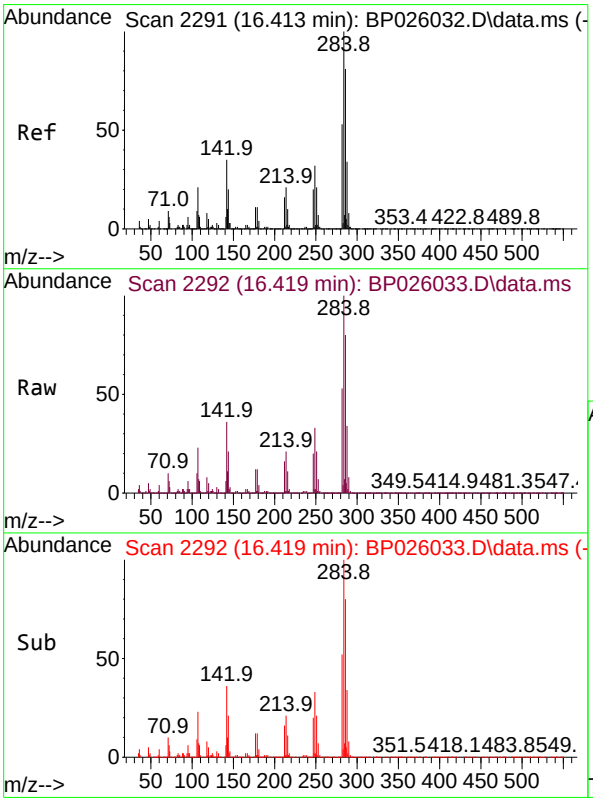
Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.4	117.6
141	71.2	58.3	87.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

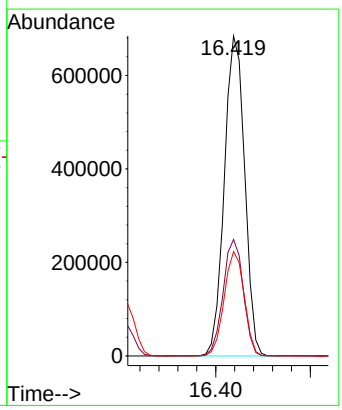
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

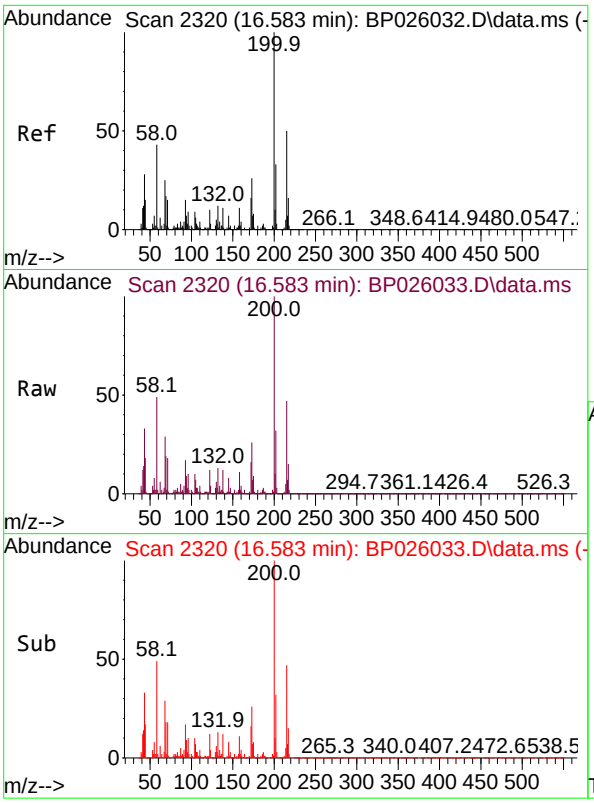


#68
Hexachlorobenzene
Concen: 44.671 ng
RT: 16.419 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:284 Resp: 1017148

Ion	Ratio	Lower	Upper
284	100		
142	36.4	27.7	41.5
249	32.6	25.5	38.3

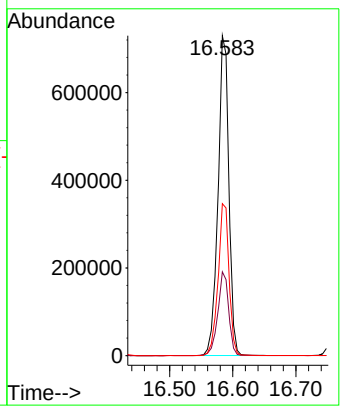




#69
Atrazine
Concen: 45.648 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:200 Resp: 86816

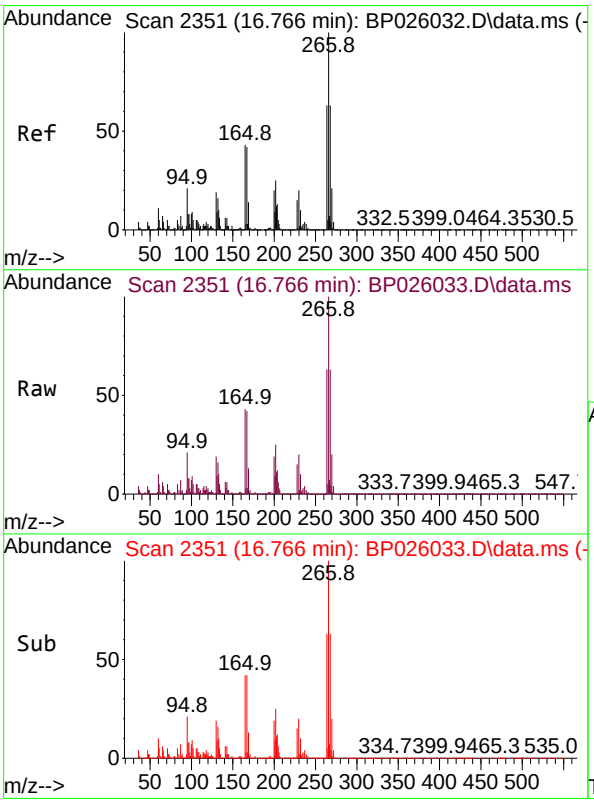
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	47.5	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

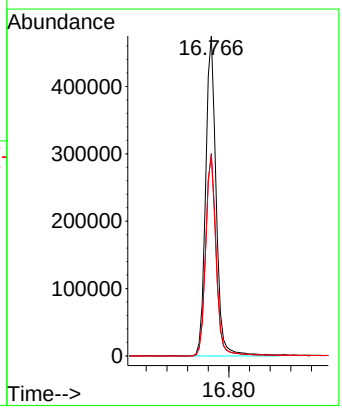
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

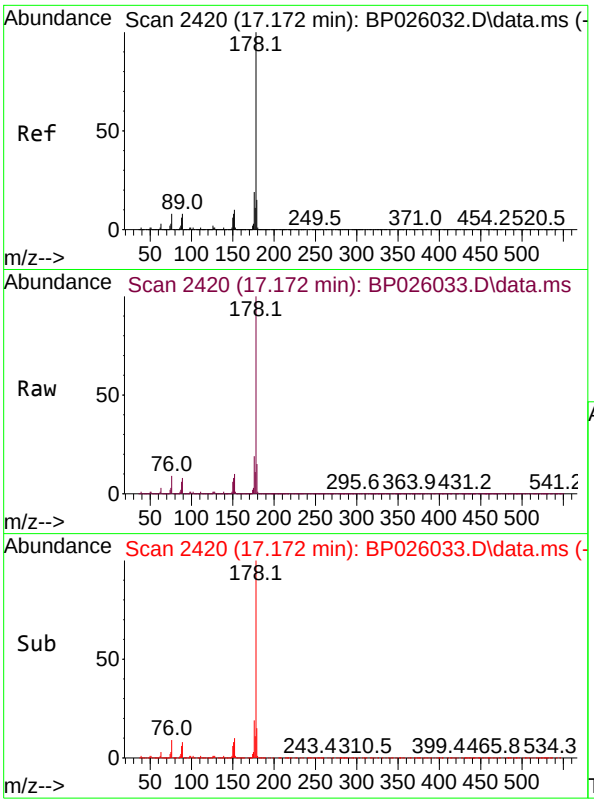


#70
Pentachlorophenol
Concen: 48.009 ng
RT: 16.766 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:266 Resp: 667717

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	76.0
264	62.6	50.2	75.4

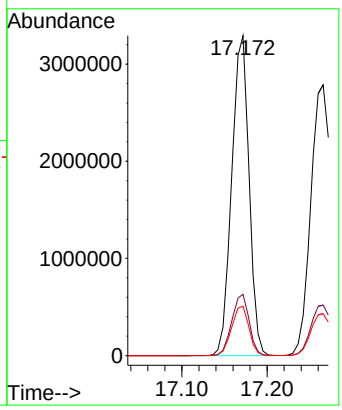




#71
Phenanthrene
Concen: 44.270 ng
RT: 17.172 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:178 Resp: 464624

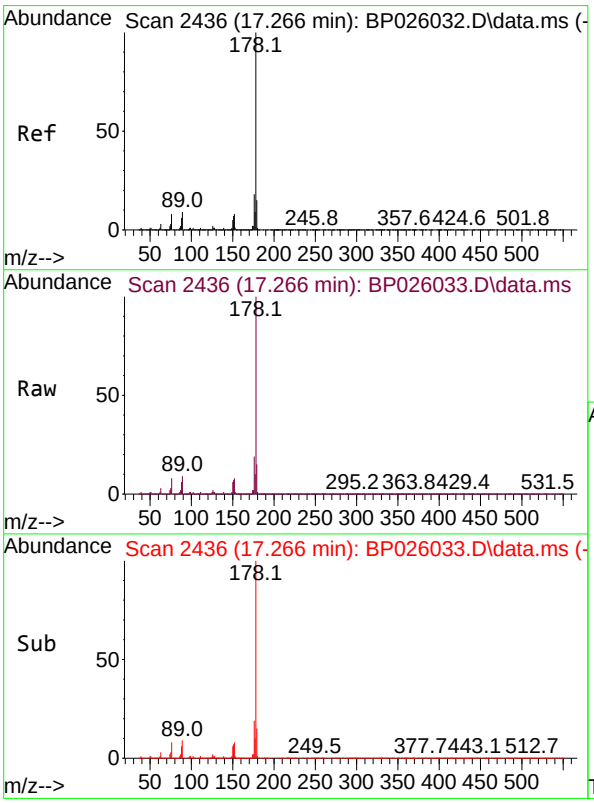
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

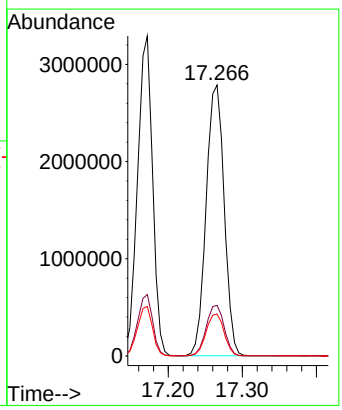
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

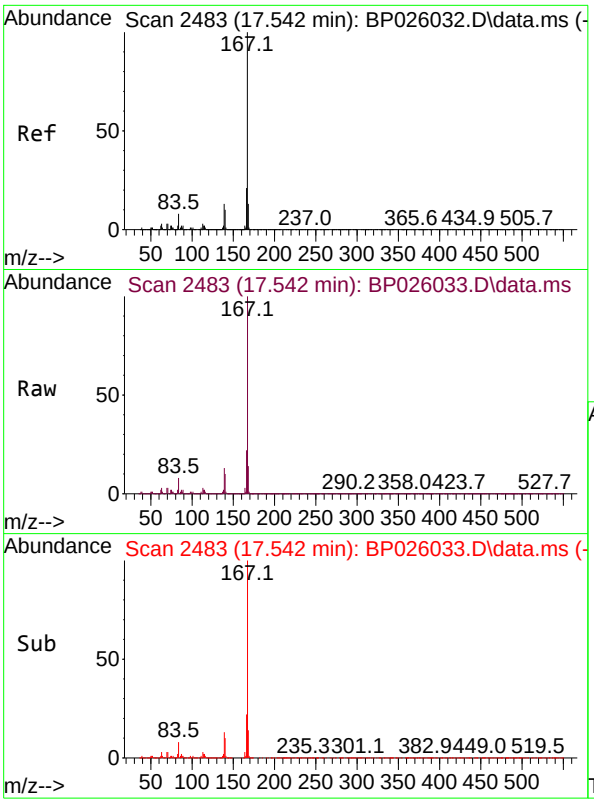


#72
Anthracene
Concen: 45.221 ng
RT: 17.266 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:178 Resp: 4704548

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.4

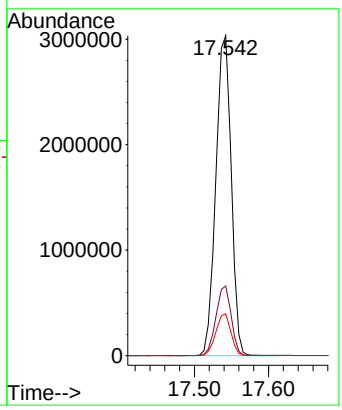




#73
Carbazole
Concen: 44.353 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:167 Resp: 436788

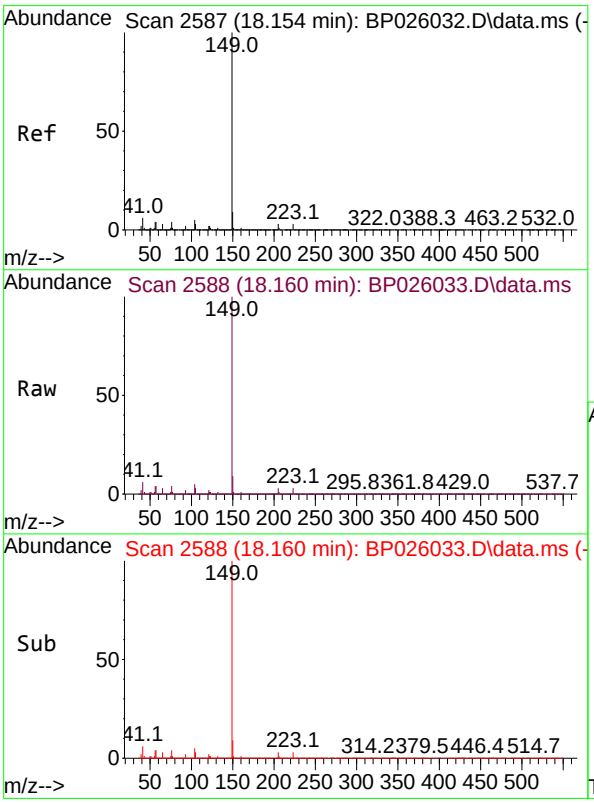
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.1	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

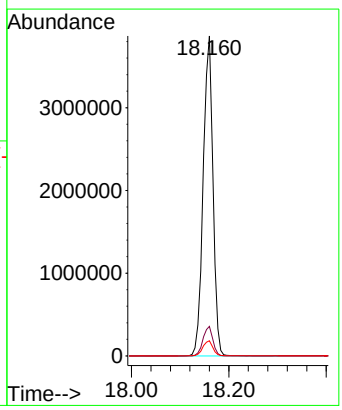
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

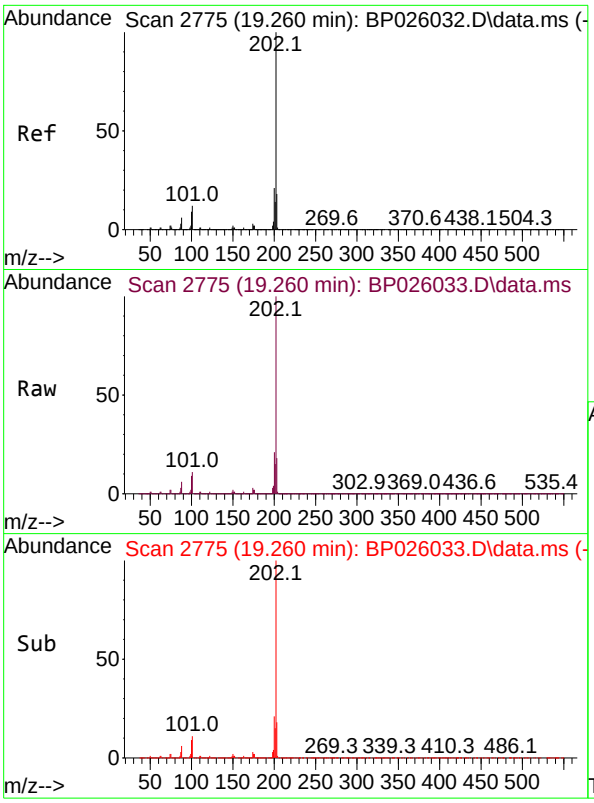


#74
Di-n-butylphthalate
Concen: 48.928 ng
RT: 18.160 min Scan# 2588
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 5391627

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.6

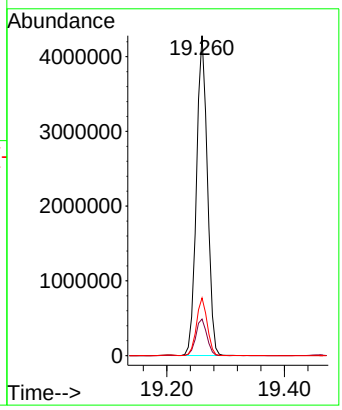




#75
Fluoranthene
Concen: 45.075 ng
RT: 19.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:202 Resp: 5518479

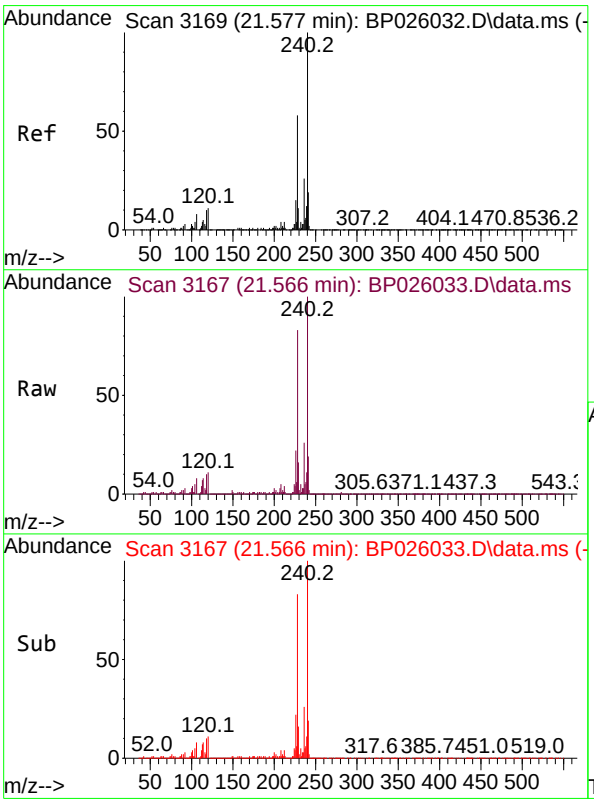
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.1
203	18.0	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

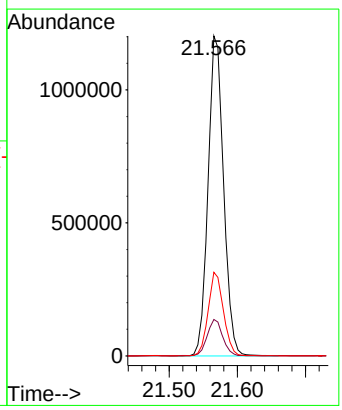
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

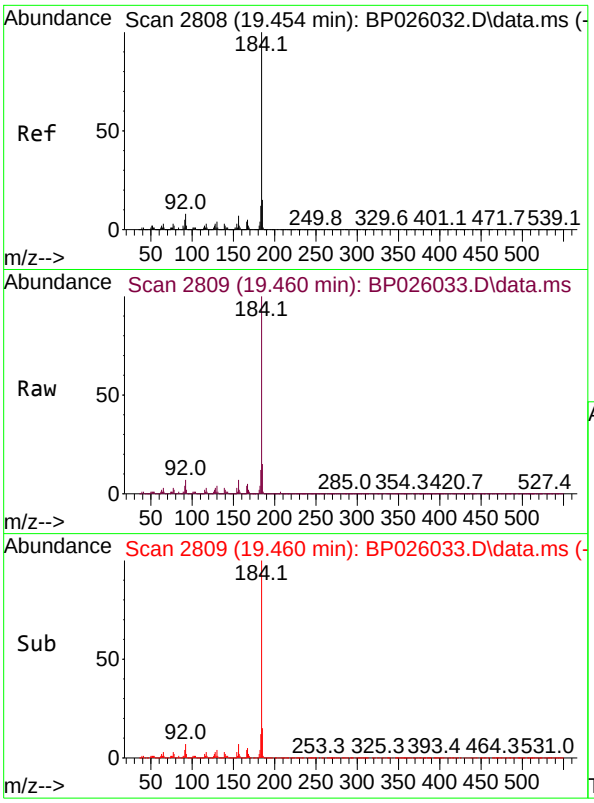


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:240 Resp: 1902632

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.1	20.6	31.0

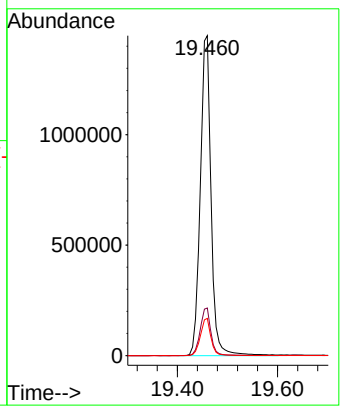




#77
Benzidine
Concen: 44.405 ng
RT: 19.460 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:184 Resp: 214446

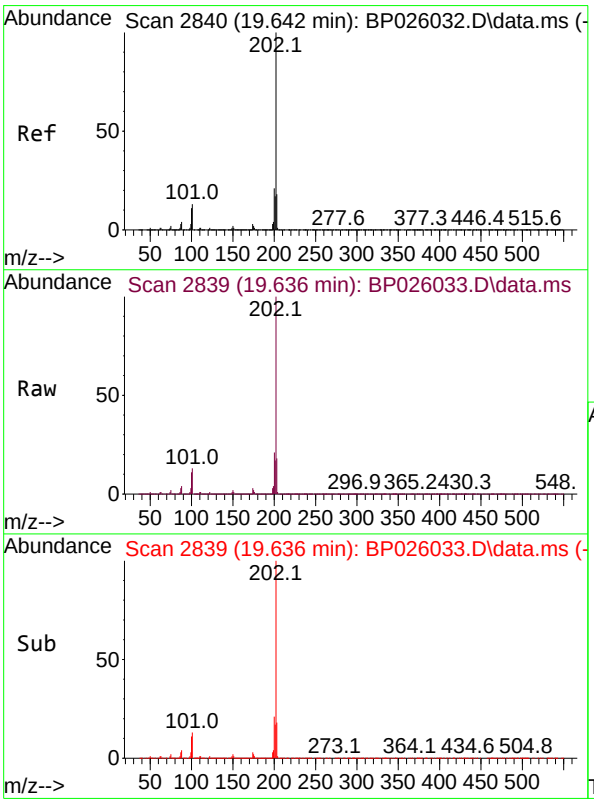
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.6	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

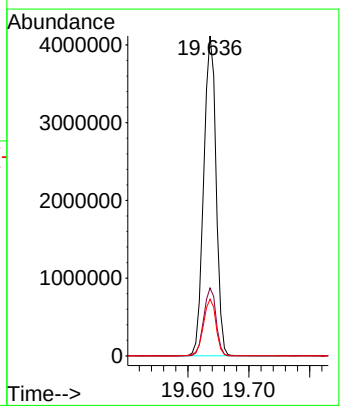
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

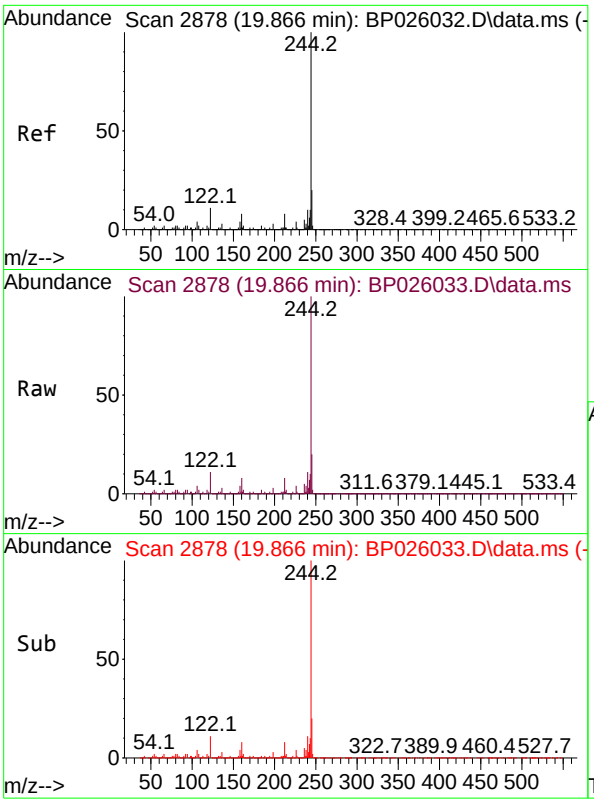


#78
Pyrene
Concen: 44.987 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:202 Resp: 5789133

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.7	14.0	21.0

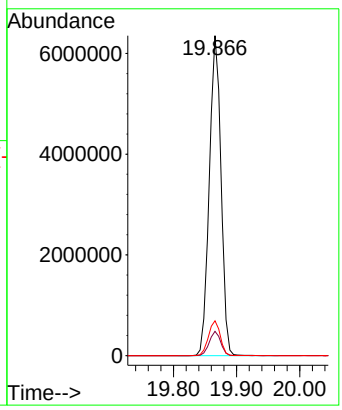




#79
Terphenyl-d14
Concen: 87.388 ng
RT: 19.866 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:244 Resp: 818373

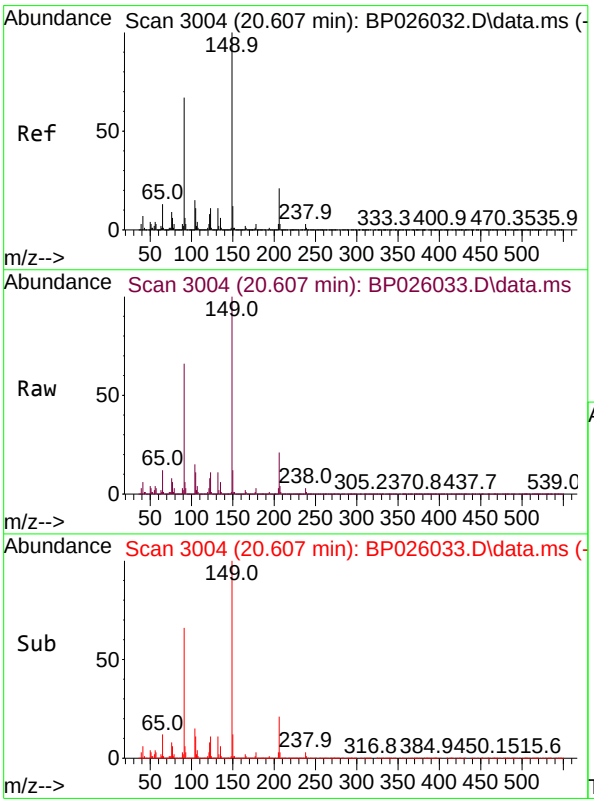
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	10.9	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

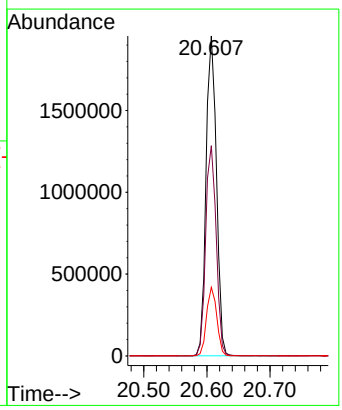
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

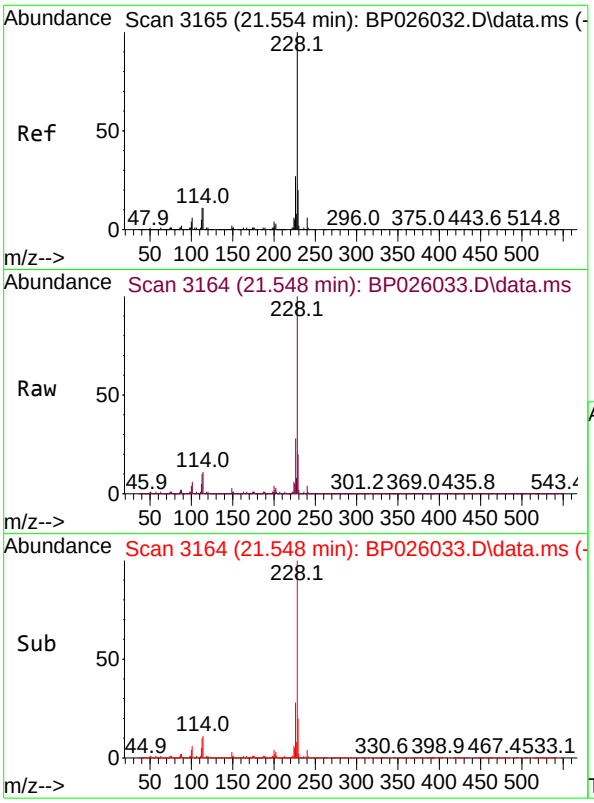


#80
Butylbenzylphthalate
Concen: 46.457 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 2226346

Ion	Ratio	Lower	Upper
149	100		
91	65.7	53.5	80.3
206	21.4	16.6	25.0

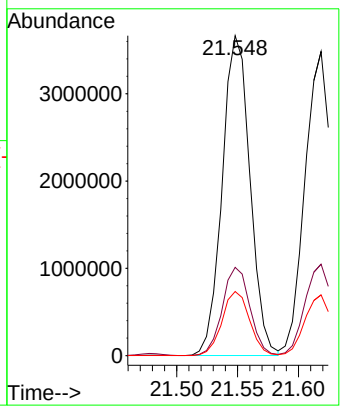




#81
Benzo(a)anthracene
Concen: 44.546 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:228 Resp: 582413

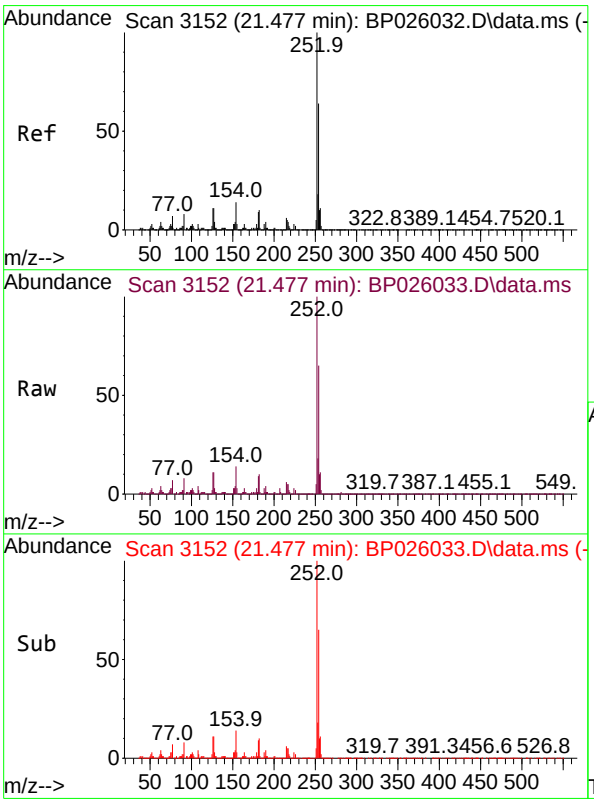
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.7	32.5
229	20.0	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

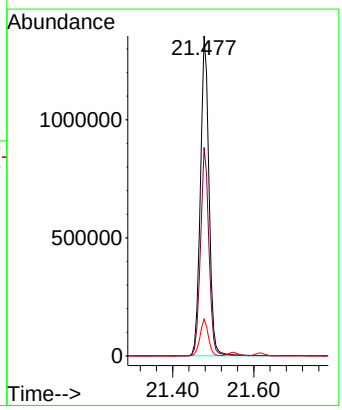
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

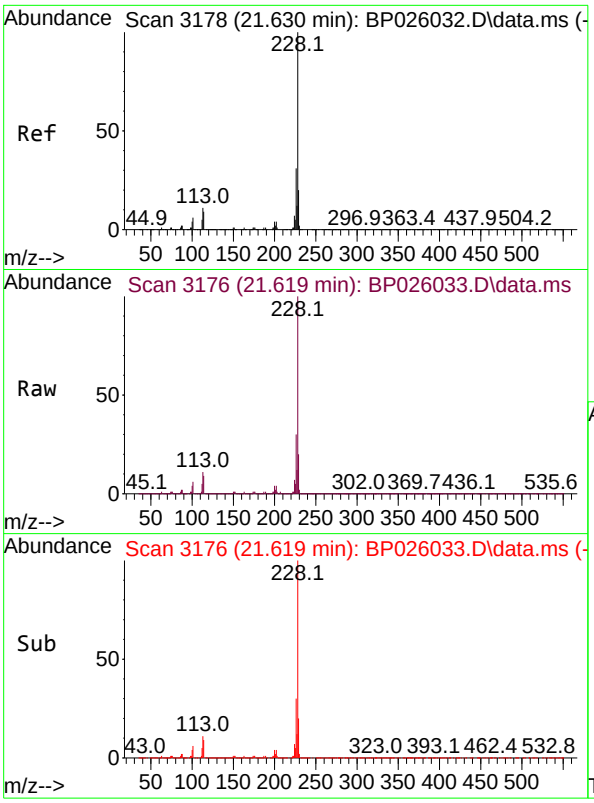


#82
3,3'-Dichlorobenzidine
Concen: 47.020 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 1980734

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.3	76.9
126	11.5	9.1	13.7

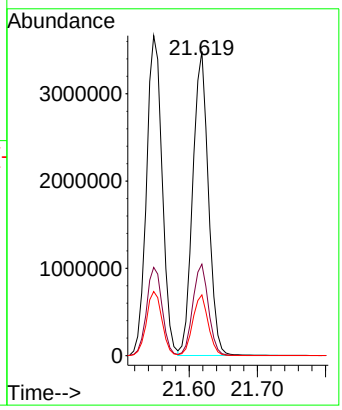




#83
Chrysene
Concen: 44.884 ng
RT: 21.619 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:228 Resp: 555887

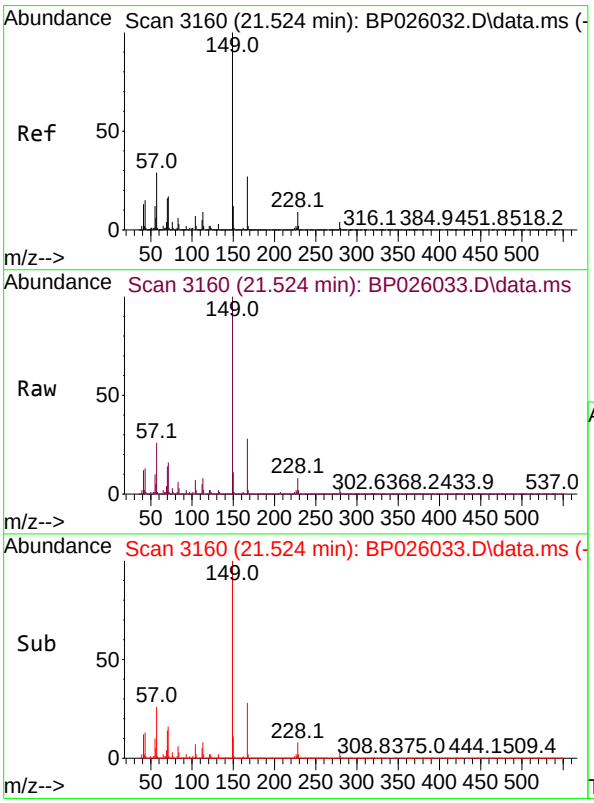
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

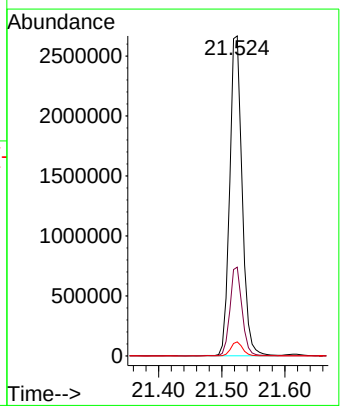
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

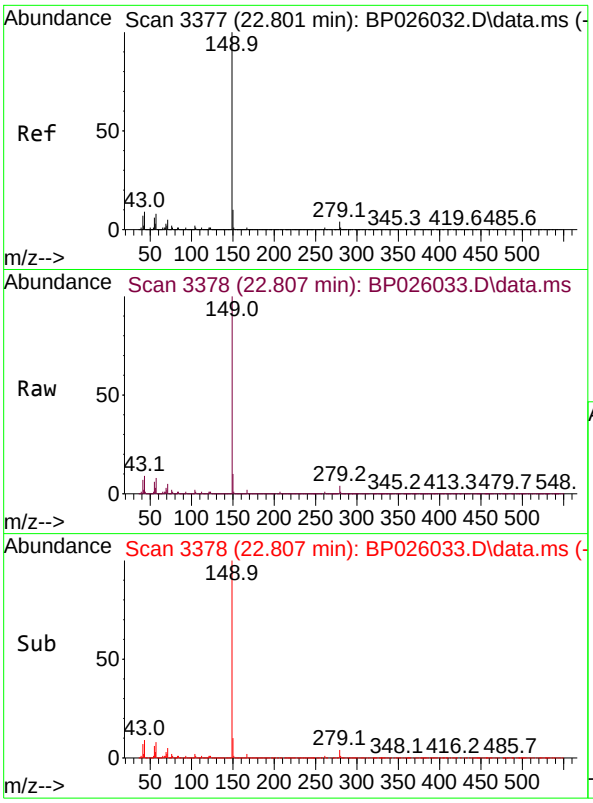


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.172 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 3652585

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.5	32.3
279	4.4	3.0	4.6

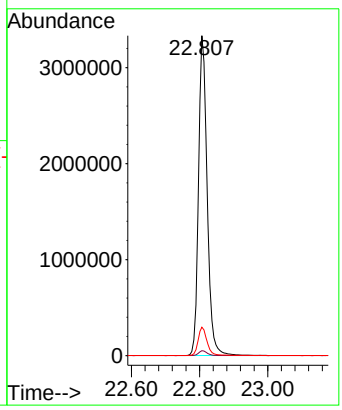




#85
Di-n-octyl phthalate
Concen: 51.985 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:149 Resp: 588783

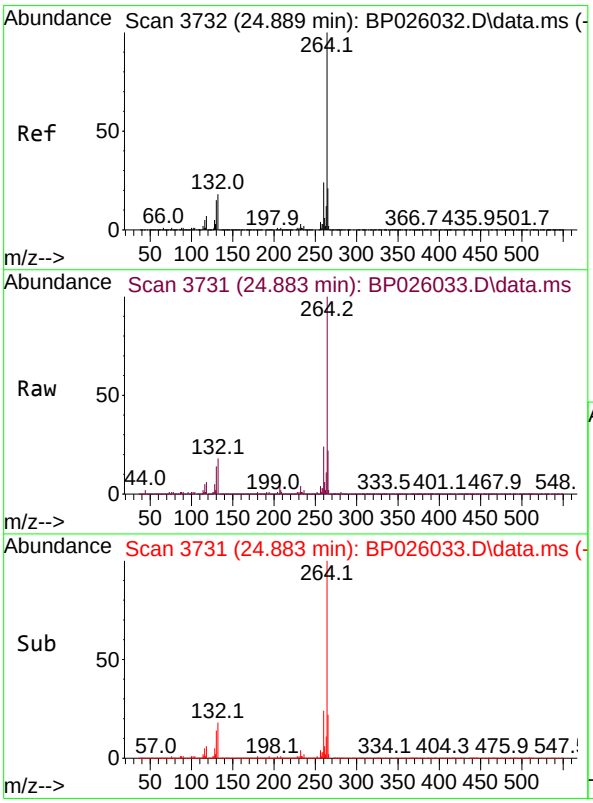
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.6	11.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

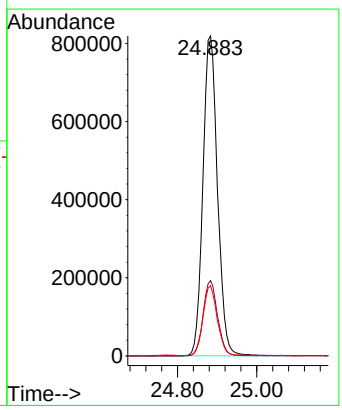
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

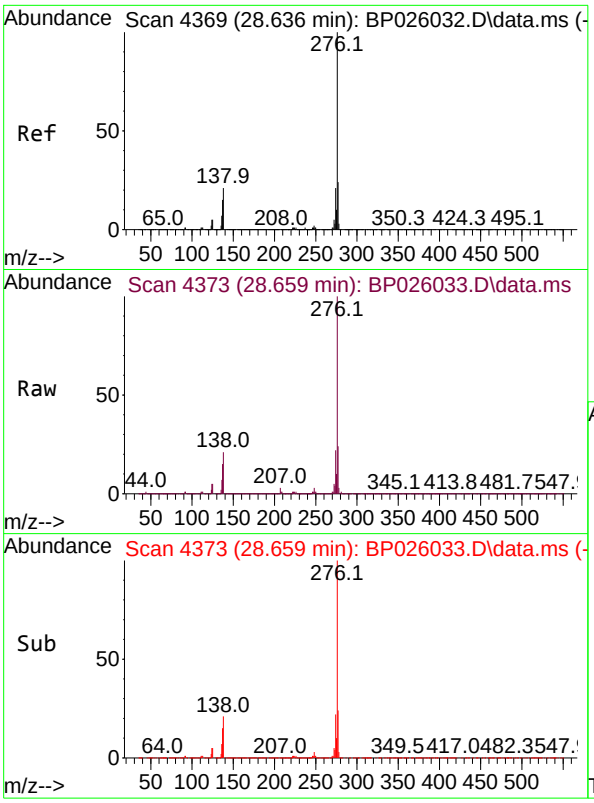


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:264 Resp: 2091380

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.2	25.8

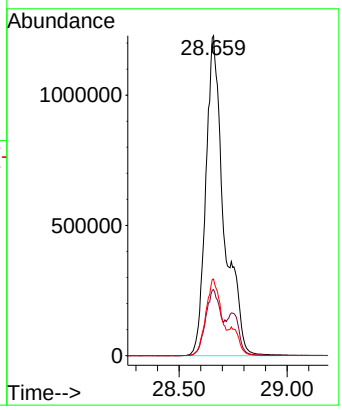




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.456 ng m
RT: 28.659 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:276 Resp: 716992

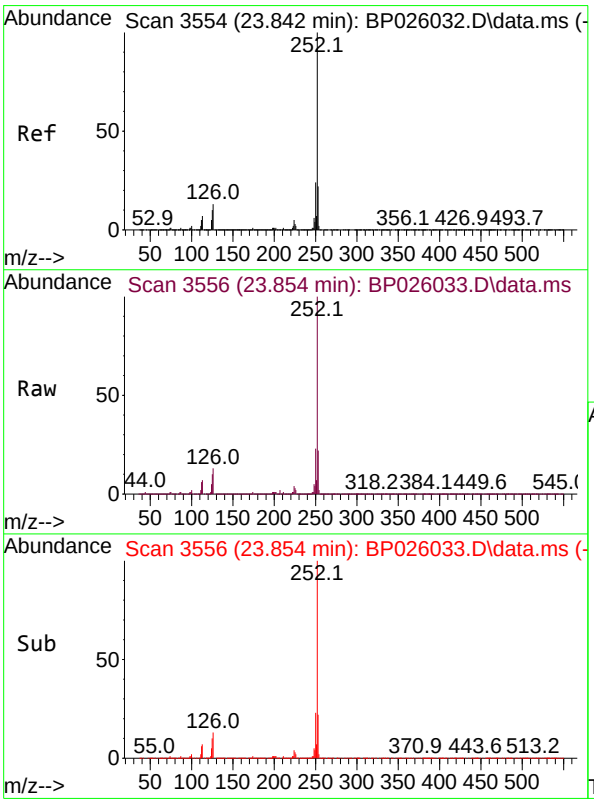
Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.2	19.8
277	20.1	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

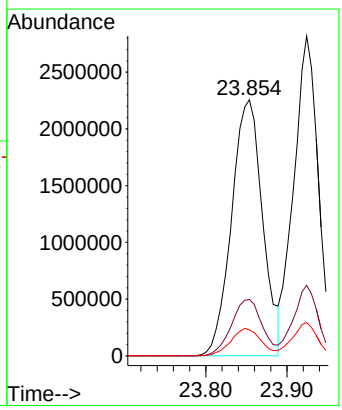
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

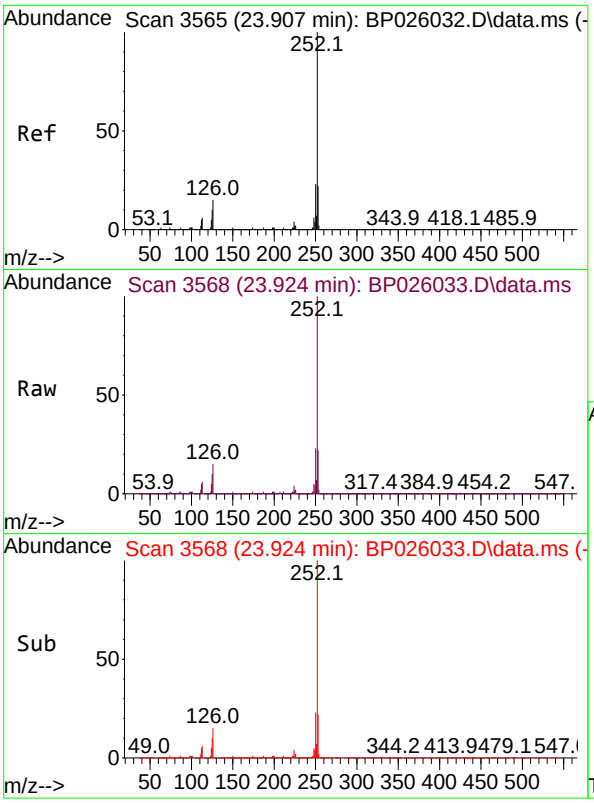


#88
Benzo(b)fluoranthene
Concen: 46.280 ng
RT: 23.854 min Scan# 3556
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 6008578

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.2	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 44.984 ng
RT: 23.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

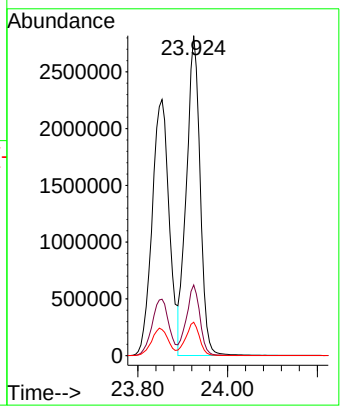
Tgt Ion:252 Resp: 596395

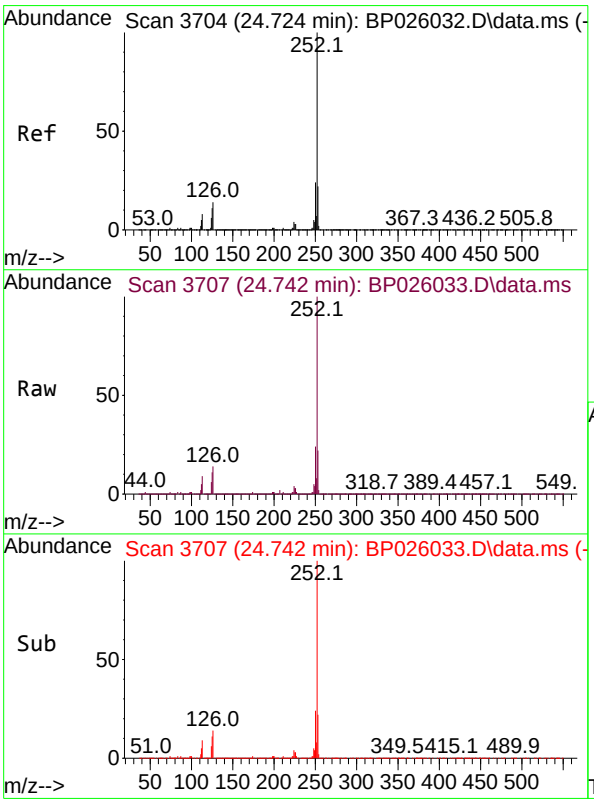
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.4	8.1	12.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

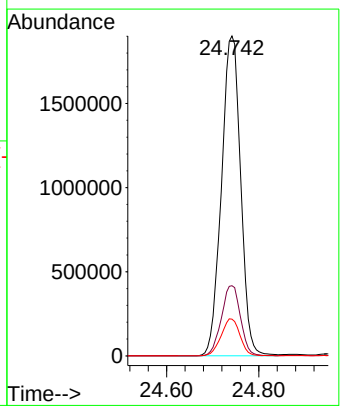


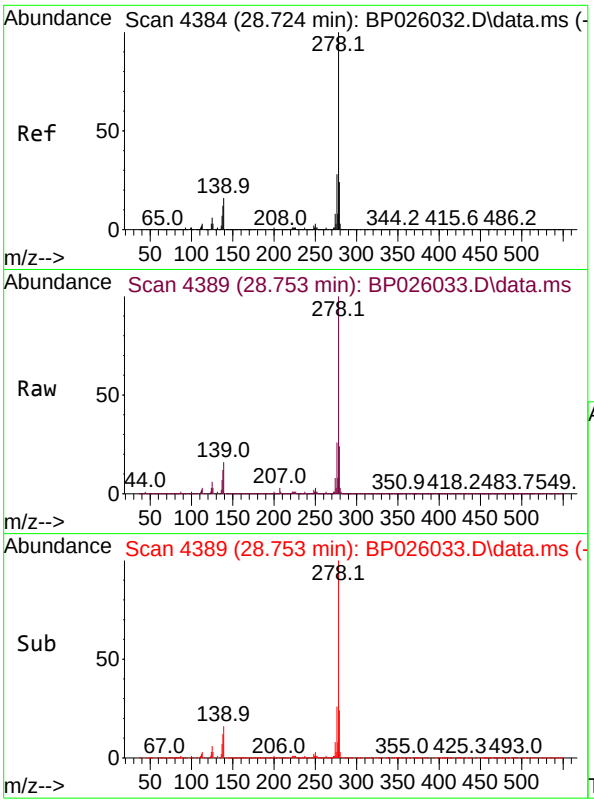


#90
Benzo(a)pyrene
Concen: 46.197 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:252 Resp: 5510203

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	11.5	9.1	13.7

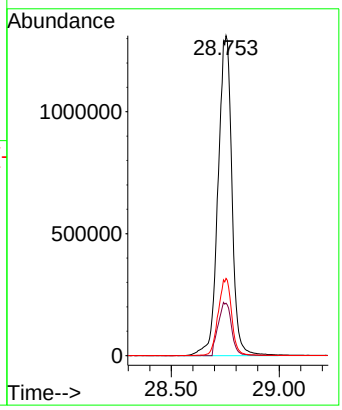




#91
Dibenzo(a,h)anthracene
Concen: 46.490 ng
RT: 28.753 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:278 Resp: 584146

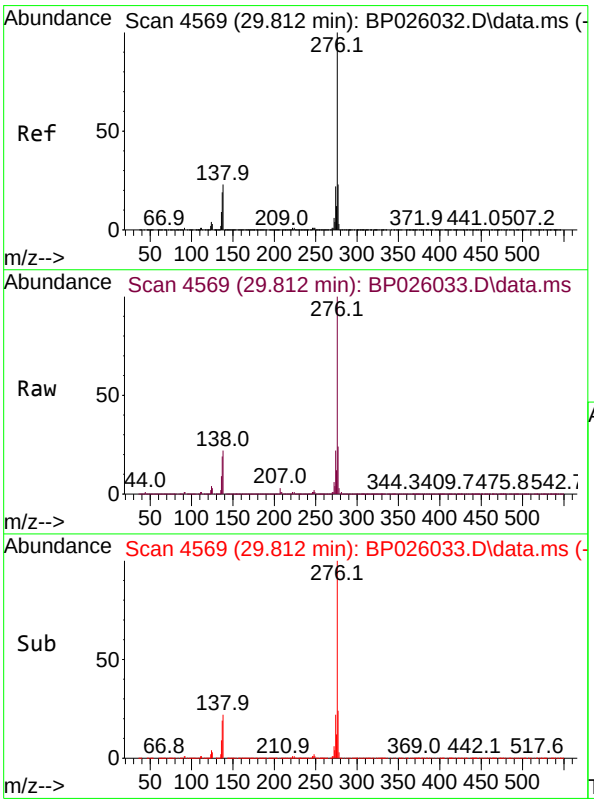
Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.0	19.6
279	24.2	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

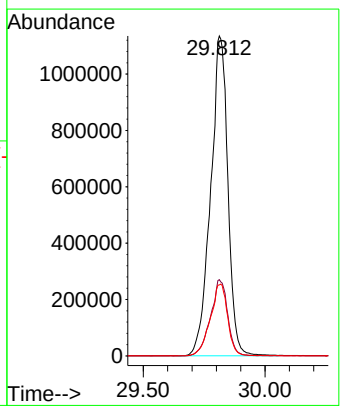
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025



#92
Benzo(g,h,i)perylene
Concen: 46.163 ng
RT: 29.812 min Scan# 4569
Delta R.T. -0.017 min
Lab File: BP026033.D
Acq: 29 Oct 2025 12:51

Tgt Ion:276 Resp: 5581541

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	22.2	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	294204	20.000	ng		0.00
21) Naphthalene-d8	10.448	136	1188234	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	740246	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1468570	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1519622	20.000	ng		0.02
86) Perylene-d12	24.895	264	1658930	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	2326169	130.467	ng		0.00
7) Phenol-d6	6.855	99	2901394	127.851	ng		0.00
23) Nitrobenzene-d5	8.825	82	2556249	134.112	ng		0.00
42) 2,4,6-Tribromophenol	15.842	330	1109676	138.661	ng		0.01
45) 2-Fluorobiphenyl	12.931	172	6359685	123.451	ng		0.00
79) Terphenyl-d14	19.871	244	9289969	124.204	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	477216	63.490	ng		99
3) Pyridine	3.625	79	1369619	64.099	ng		99
4) n-Nitrosodimethylamine	3.543	42	538920	62.930	ng		96
6) Aniline	7.019	93	1904638	62.886	ng		99
8) 2-Chlorophenol	7.255	128	1304563	66.075	ng		99
9) Benzaldehyde	6.831	77	702436	59.544	ng		99
10) Phenol	6.884	94	1609307	63.877	ng		99
11) bis(2-Chloroethyl)ether	7.113	93	1252563	62.998	ng		99
12) 1,3-Dichlorobenzene	7.578	146	1421445	62.690	ng		99
13) 1,4-Dichlorobenzene	7.719	146	1441195	62.866	ng		99
14) 1,2-Dichlorobenzene	8.031	146	1368134	62.542	ng		98
15) Benzyl Alcohol	7.913	79	1040602	63.606	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1838598	61.185	ng		99
17) 2-Methylphenol	8.113	107	1068062	64.741	ng		99
18) Hexachloroethane	8.754	117	501286	63.902	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	904719	64.223	ng		97
20) 3+4-Methylphenols	8.437	107	1452480	63.287	ng		99
22) Acetophenone	8.490	105	1872894	62.324	ng	#	99
24) Nitrobenzene	8.866	77	1321111	65.646	ng		99
25) Isophorone	9.384	82	2601391	63.763	ng		99
27) 2,4-Dimethylphenol	9.625	122	1124076	65.520	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1608539	62.561	ng		99
29) 2,4-Dichlorophenol	10.096	162	1213575	66.994	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	1238545	62.905	ng		98
31) Naphthalene	10.501	128	4053338	62.555	ng		100
32) Benzoic acid	9.766	122	733177	63.317	ng		97
33) 4-Chloroaniline	10.601	127	1586613	63.721	ng		99
34) Hexachlorobutadiene	10.790	225	792964	63.376	ng		99
35) Caprolactam	11.372	113	414253	65.121	ng		93
36) 4-Chloro-3-methylphenol	11.725	107	1268077	66.778	ng		100
37) 2-Methylnaphthalene	12.113	142	2826130	62.316	ng		100
38) 1-Methylnaphthalene	12.337	142	2744994	62.303	ng		99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1452519	63.152	ng		100
41) Hexachlorocyclopentadiene	12.478	237	577139	68.581	ng		97
43) 2,4,6-Trichlorophenol	12.731	196	947367	69.685	ng		99
44) 2,4,5-Trichlorophenol	12.795	196	1042039	67.173	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

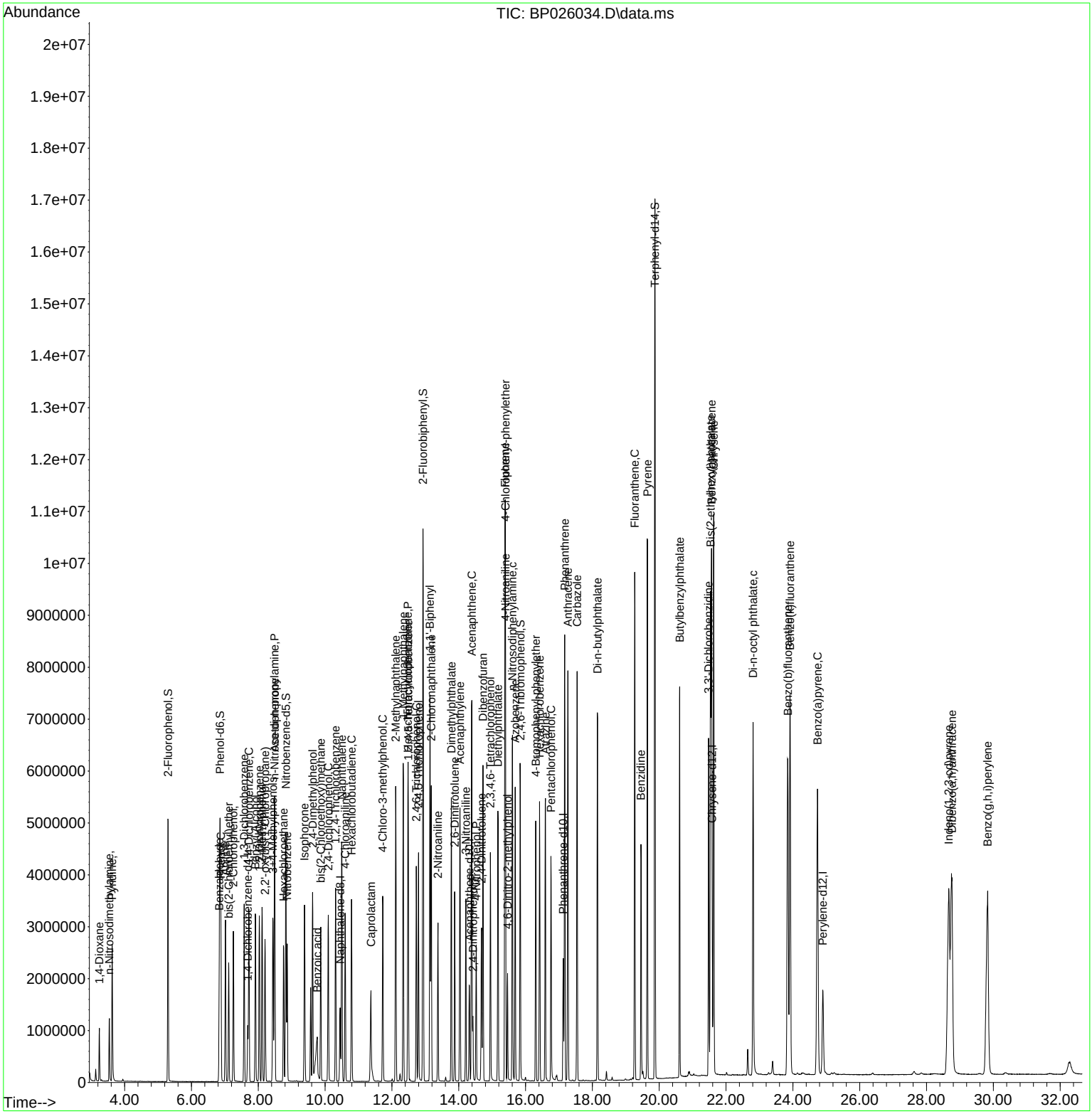
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.137	154	3519299	62.090	ng	100
47) 2-Chloronaphthalene	13.178	162	2781932	62.380	ng	98
48) 2-Nitroaniline	13.378	65	737734	64.505	ng	98
49) Acenaphthylene	14.037	152	4167114	64.110	ng	100
50) Dimethylphthalate	13.778	163	3449991	64.073	ng	100
51) 2,6-Dinitrotoluene	13.878	165	652327	64.811	ng	99
52) Acenaphthene	14.389	154	2837620	63.592	ng	99
53) 3-Nitroaniline	14.213	138	780369	63.434	ng	99
54) 2,4-Dinitrophenol	14.425	184	274254	63.744	ng	95
55) Dibenzofuran	14.725	168	4183126	62.047	ng	100
56) 4-Nitrophenol	14.525	139	688114	64.089	ng	99
57) 2,4-Dinitrotoluene	14.684	165	961200	65.768	ng	95
58) Fluorene	15.383	166	3313648	62.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	858179	70.360	ng	100
60) Diethylphthalate	15.172	149	3534128	65.288	ng	100
61) 4-Chlorophenyl-phenyle...	15.395	204	1640879	62.210	ng	99
62) 4-Nitroaniline	15.401	138	817496	71.051	ng	99
63) Azobenzene	15.689	77	3079138	62.764	ng	98
65) 4,6-Dinitro-2-methylph...	15.460	198	420911	64.124	ng	95
66) n-Nitrosodiphenylamine	15.607	169	2901612	63.193	ng	100
67) 4-Bromophenyl-phenylether	16.307	248	1043905	64.082	ng	98
68) Hexachlorobenzene	16.419	284	1180264	63.645	ng	100
69) Atrazine	16.595	200	1050788	67.838	ng	98
70) Pentachlorophenol	16.760	266	783472	69.166	ng	99
71) Phenanthrene	17.172	178	5263383	61.576	ng	99
72) Anthracene	17.266	178	5375909	63.447	ng	100
73) Carbazole	17.542	167	5059908	63.086	ng	100
74) Di-n-butylphthalate	18.154	149	6072603	67.663	ng	100
75) Fluoranthene	19.266	202	6263426	62.816	ng	99
77) Benzidine	19.454	184	2726283	70.680	ng	100
78) Pyrene	19.648	202	6521771	63.454	ng	99
80) Butylbenzylphthalate	20.613	149	2549176	65.127	ng	97
81) Benzo(a)anthracene	21.566	228	6577757	62.991	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2266707	67.371	ng	100
83) Chrysene	21.630	228	6150315	62.176	ng	99
84) Bis(2-ethylhexyl)phtha...	21.536	149	3949393	62.903	ng	99
85) Di-n-octyl phthalate	22.807	149	6415656	70.922	ng	99
87) Indeno(1,2,3-cd)pyrene	28.665	276	8109098	66.237	ng	99
88) Benzo(b)fluoranthene	23.848	252	6695122	65.011	ng	100
89) Benzo(k)fluoranthene	23.912	252	6702900	63.737	ng	99
90) Benzo(a)pyrene	24.736	252	6233786	65.888	ng	99
91) Dibenzo(a,h)anthracene	28.759	278	6571045	65.929	ng	100
92) Benzo(g,h,i)perylene	29.830	276	6265775	65.331	ng	99

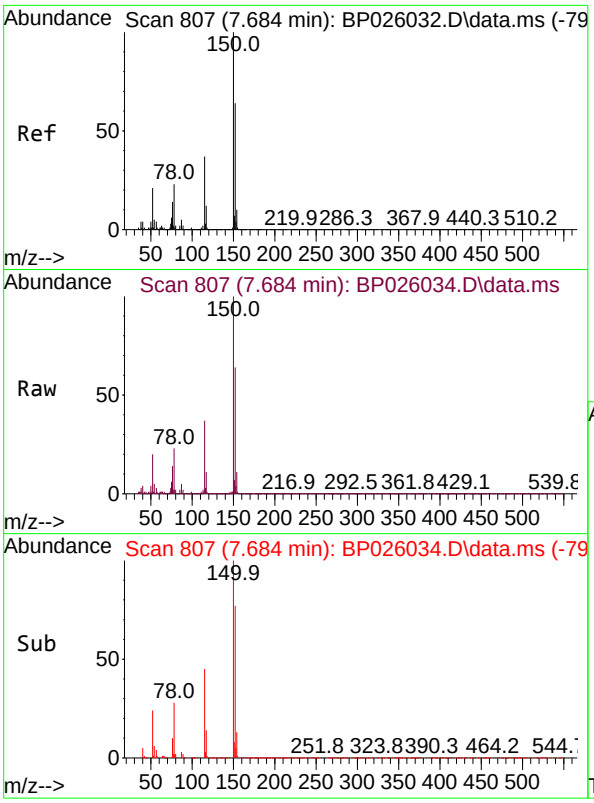
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



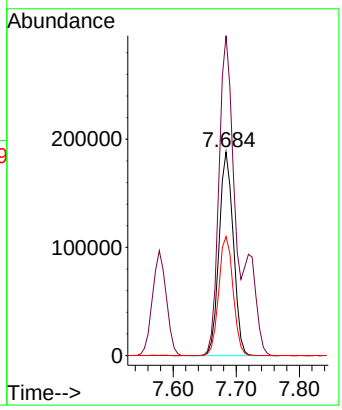


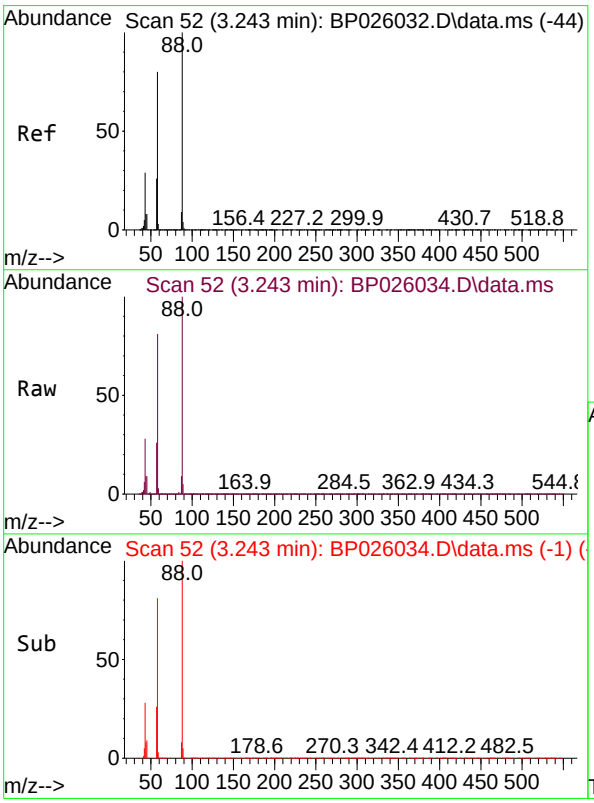
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 294204

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.7	188.5
115	58.6	46.4	69.6

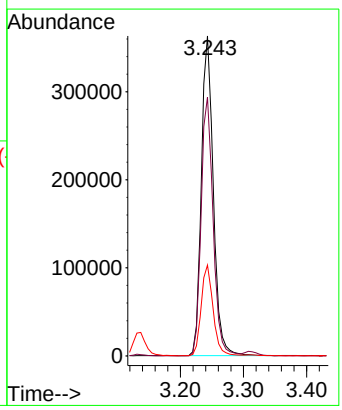


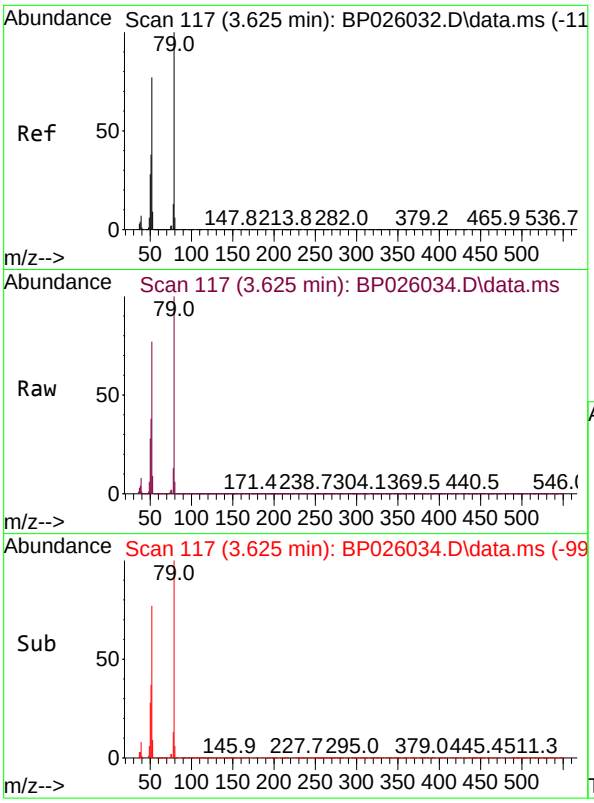


#2
1,4-Dioxane
Concen: 63.490 ng
RT: 3.243 min Scan# 52
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 88 Resp: 477216

Ion	Ratio	Lower	Upper
88	100		
58	81.2	65.4	98.0
43	28.2	23.1	34.7



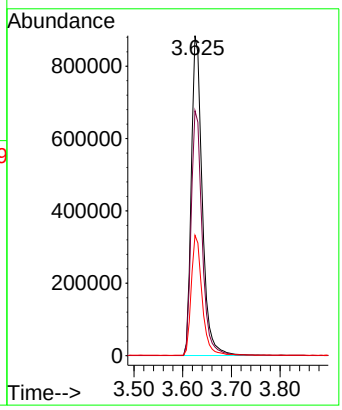


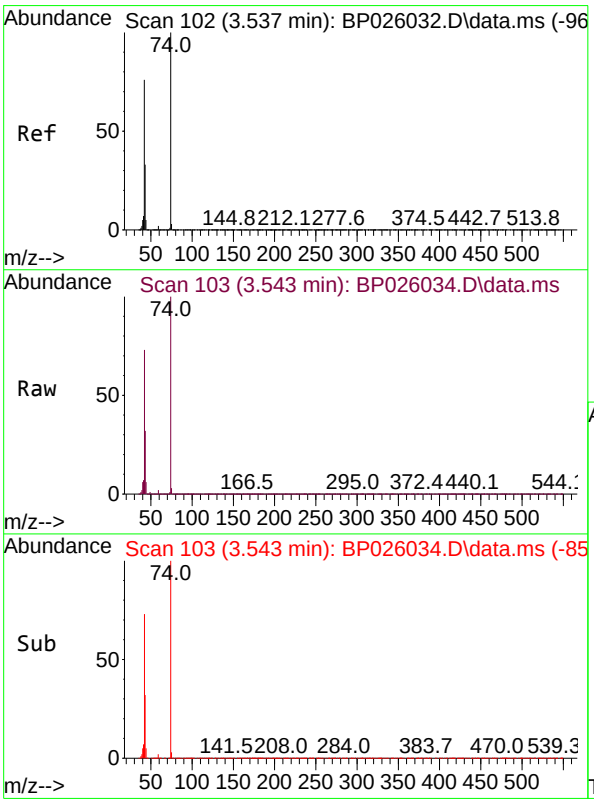
#3
Pyridine
Concen: 64.099 ng
RT: 3.625 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1369619

Ion	Ratio	Lower	Upper
79	100		
52	76.5	62.0	93.0
51	37.6	30.6	46.0

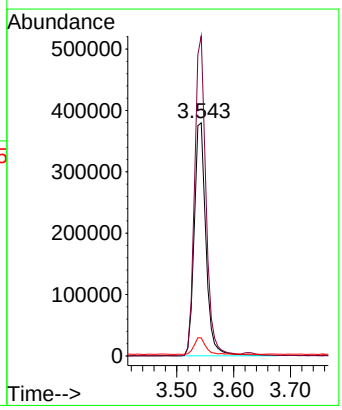


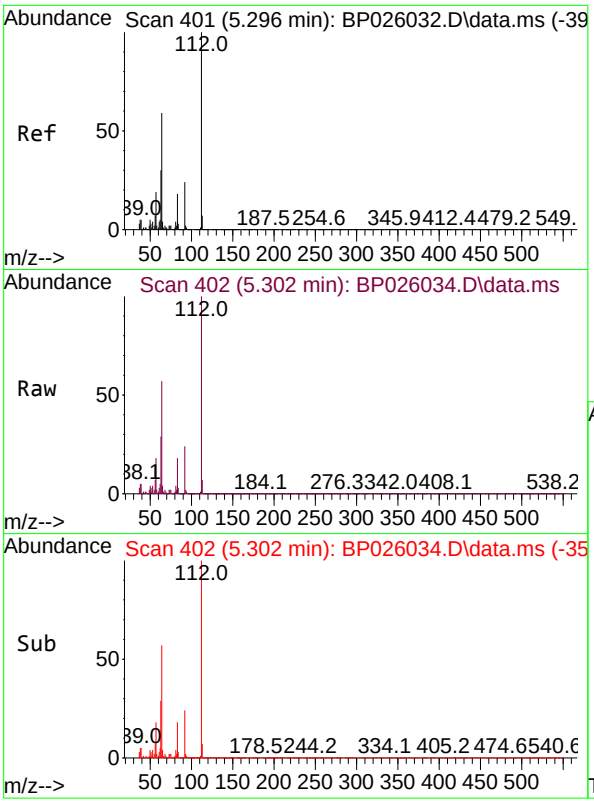


#4
n-Nitrosodimethylamine
Concen: 62.930 ng
RT: 3.543 min Scan# 103
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 42 Resp: 538920

Ion	Ratio	Lower	Upper
42	100		
74	137.3	105.7	158.5
44	7.7	6.6	9.8



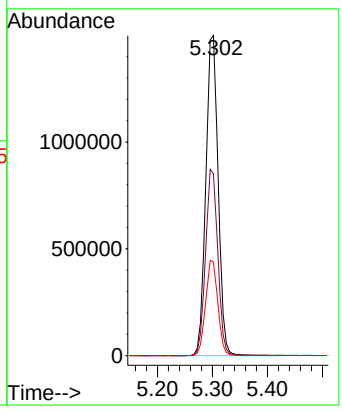


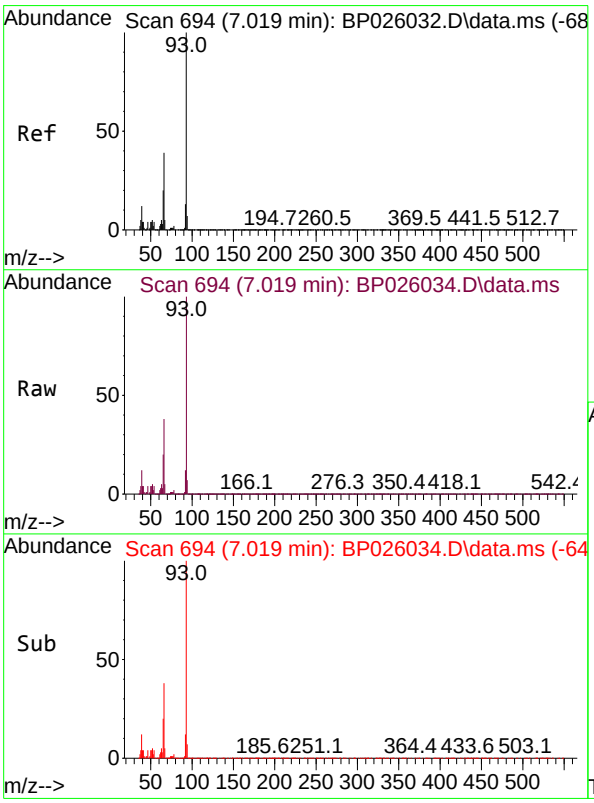
#5
2-Fluorophenol
Concen: 130.467 ng
RT: 5.302 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2326169

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.4	71.2
63	29.3	24.2	36.4

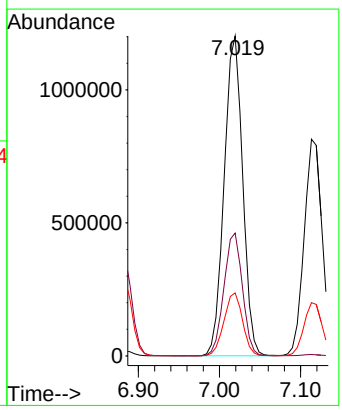


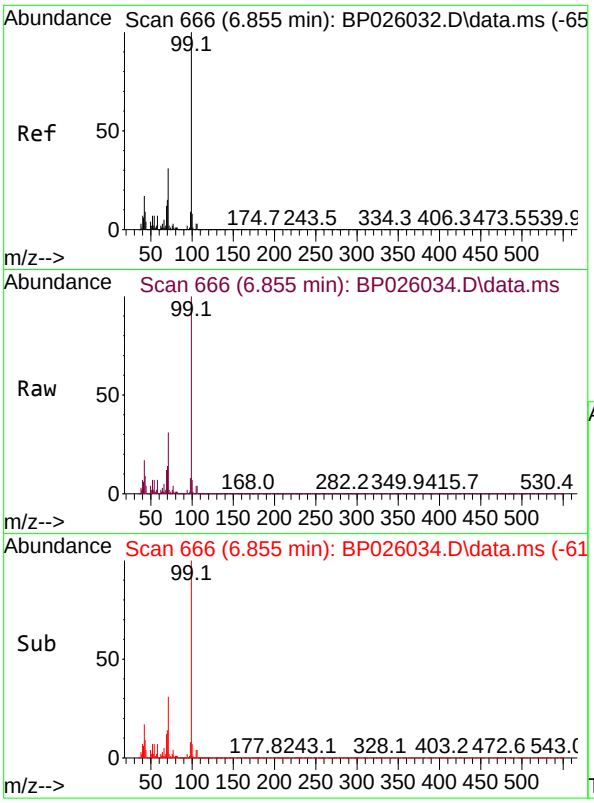


#6
Aniline
Concen: 62.886 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 93 Resp: 1904638

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.2	46.8
65	19.7	16.1	24.1



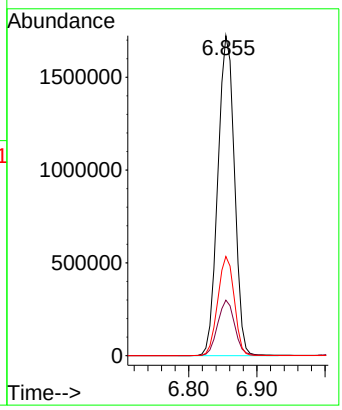


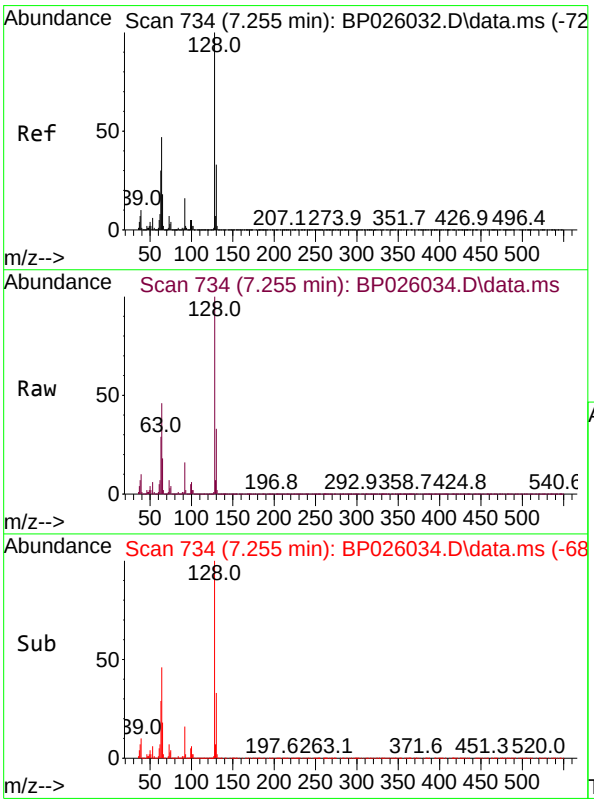
#7
Phenol-d6
Concen: 127.851 ng
RT: 6.855 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2901394

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	31.0	24.4	36.6

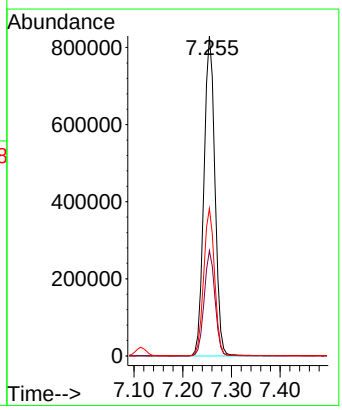


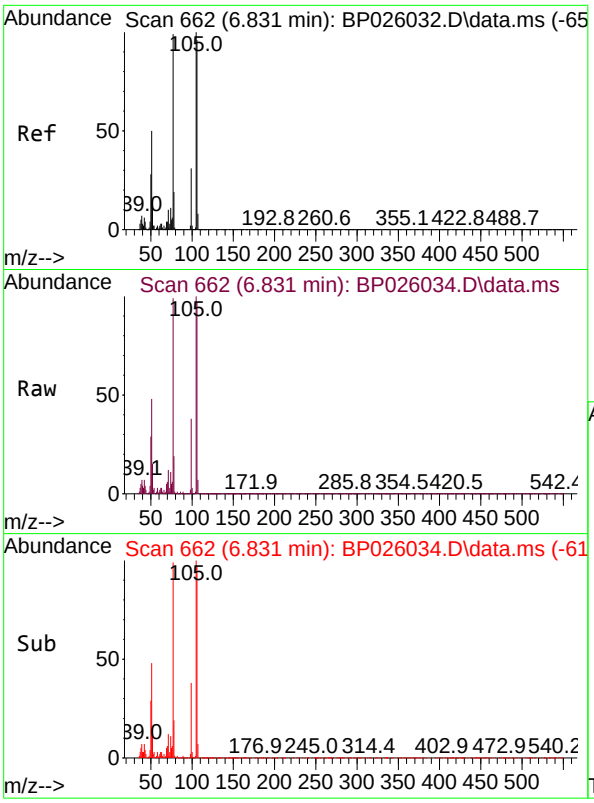


#8
2-Chlorophenol
Concen: 66.075 ng
RT: 7.255 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:128 Resp: 1304563

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	46.1	27.4	67.4



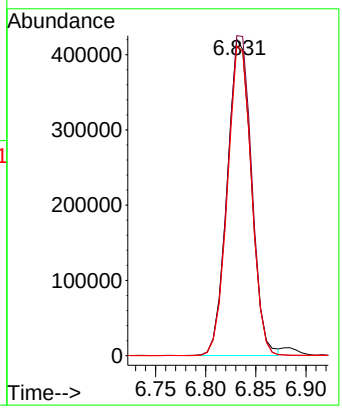


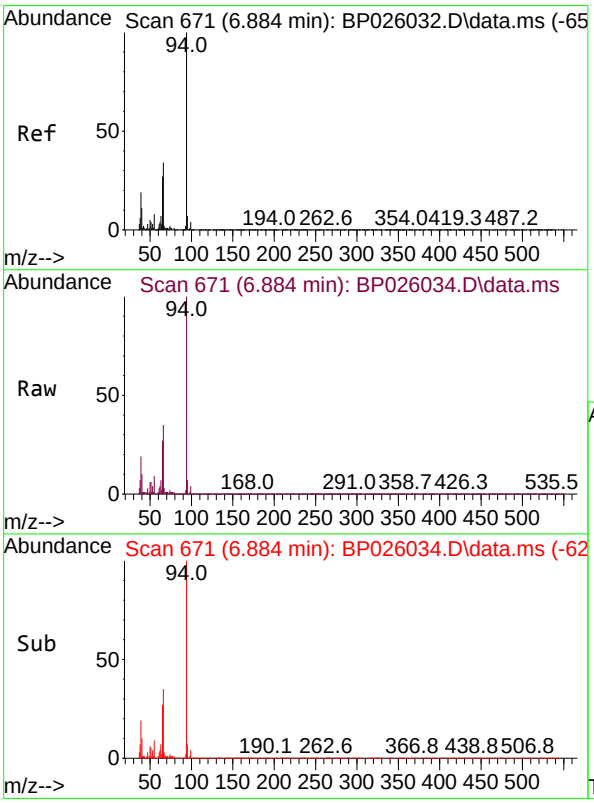
#9
Benzaldehyde
Concen: 59.544 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 702436

Ion	Ratio	Lower	Upper
77	100		
105	101.2	80.7	120.7
106	97.9	76.5	116.5

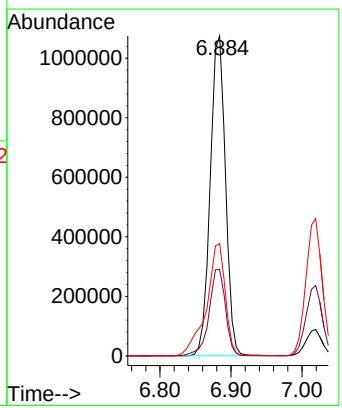


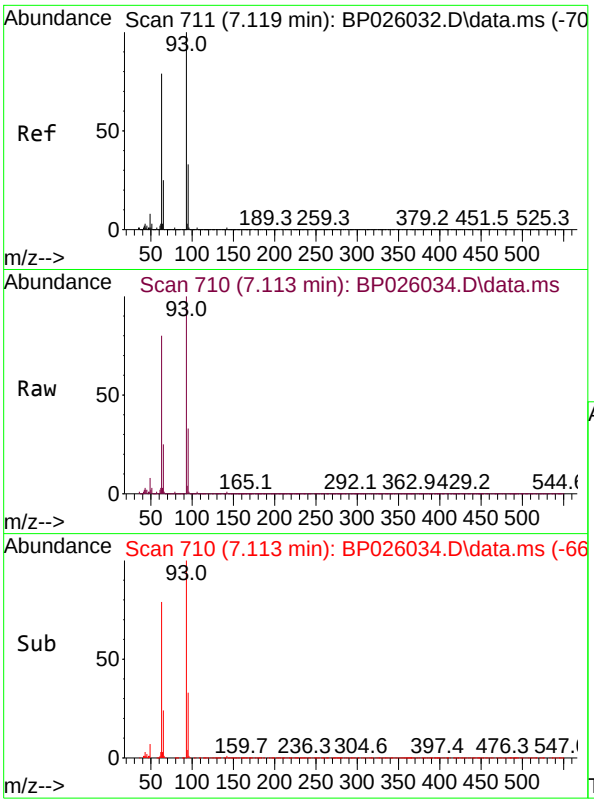


#10
Phenol
Concen: 63.877 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 94 Resp: 1609307

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.1	47.1
66	35.1	14.4	54.4



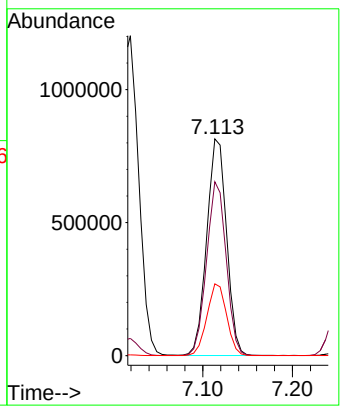


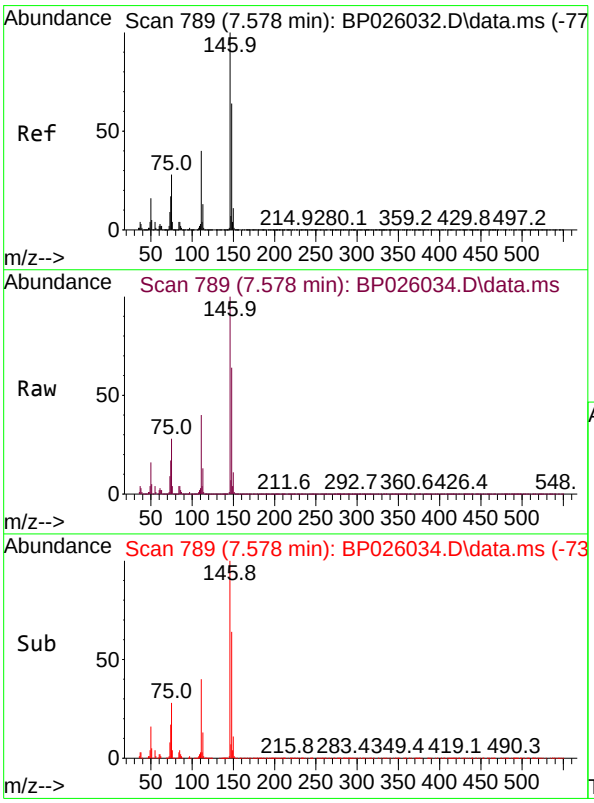
#11
bis(2-Chloroethyl)ether
Concen: 62.998 ng
RT: 7.113 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1252563

Ion	Ratio	Lower	Upper
93	100		
63	80.2	59.1	99.1
95	33.1	12.6	52.6

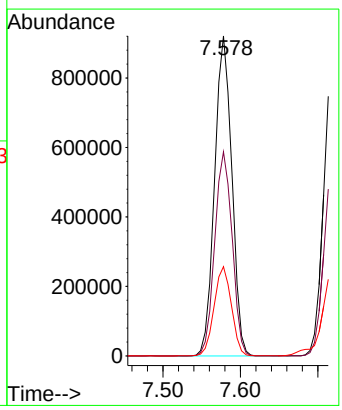


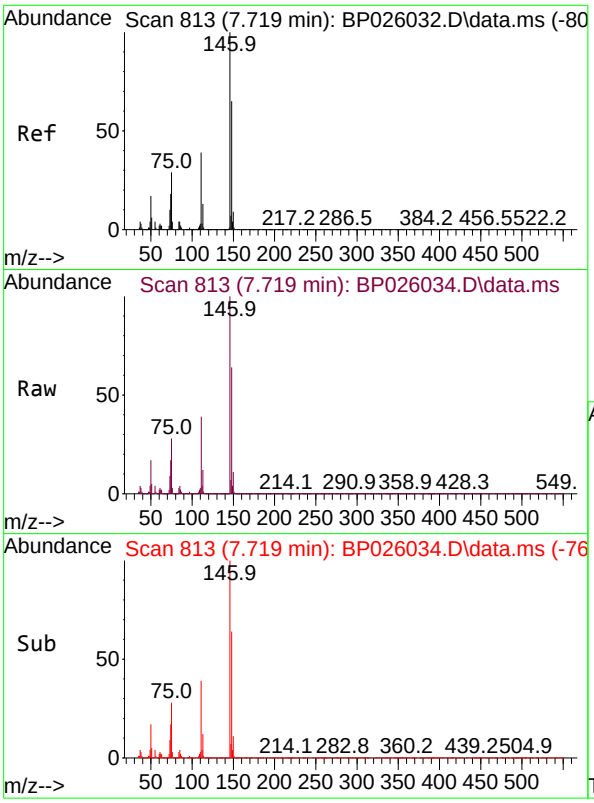


#12
1,3-Dichlorobenzene
Concen: 62.690 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:146 Resp: 1421445

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
75	27.9	22.6	33.8



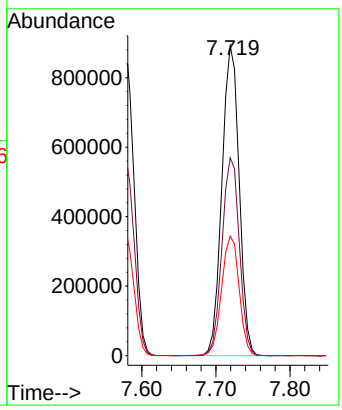


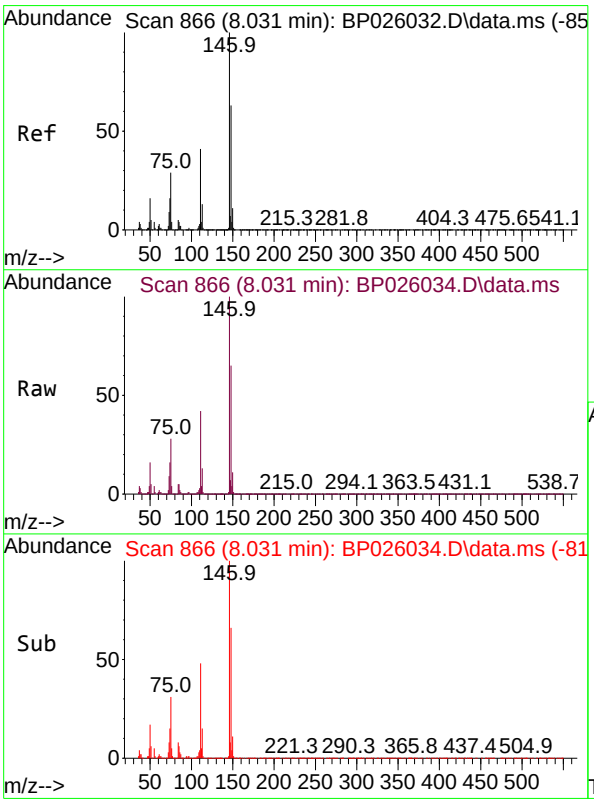
#13
1,4-Dichlorobenzene
Concen: 62.866 ng
RT: 7.719 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1441195

Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	38.6	31.3	46.9

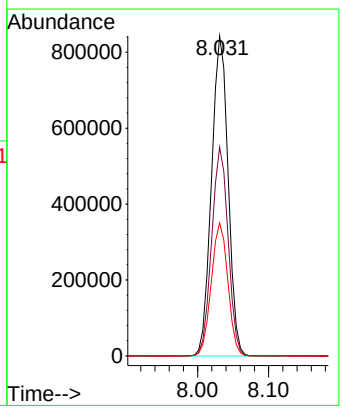


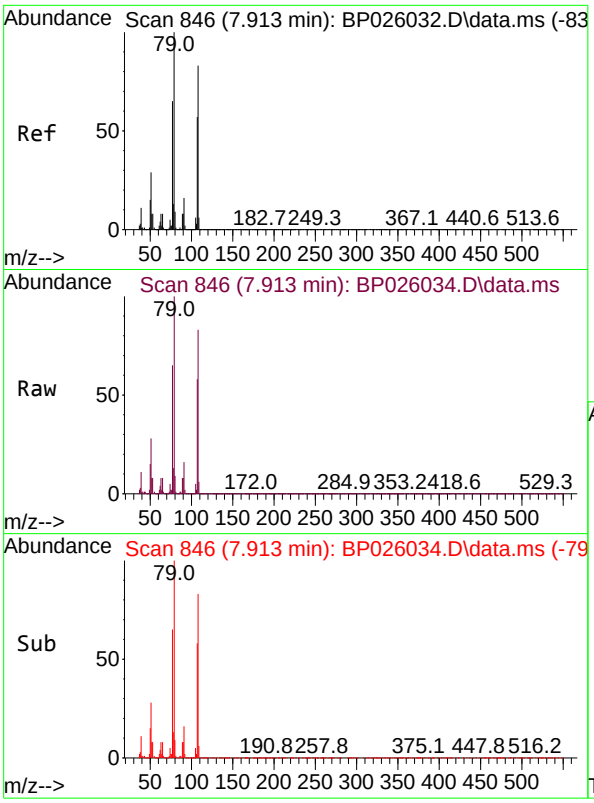


#14
1,2-Dichlorobenzene
Concen: 62.542 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:146 Resp: 1368134

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.8	76.2
111	41.5	33.0	49.4



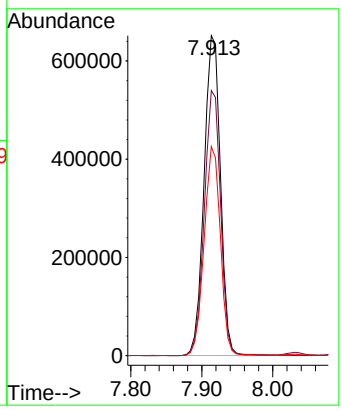


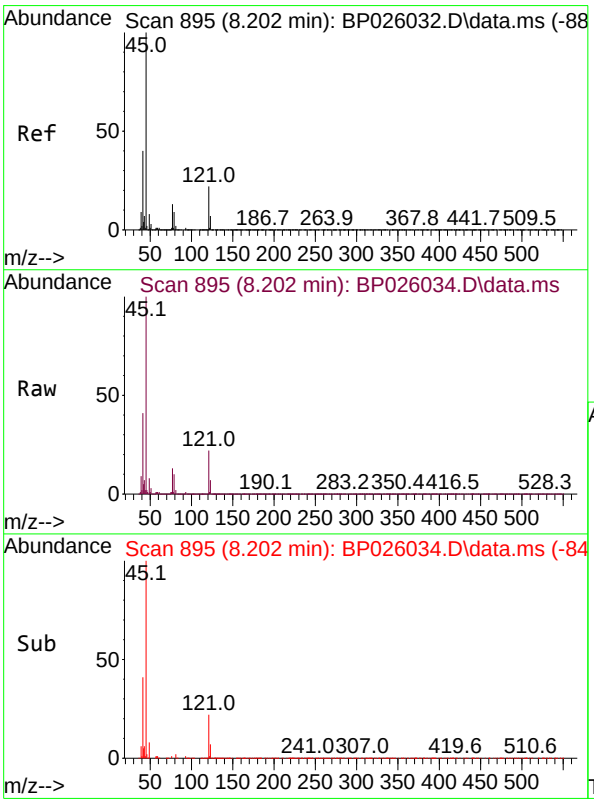
#15
Benzyl Alcohol
Concen: 63.606 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1040602

Ion	Ratio	Lower	Upper
79	100		
108	82.8	66.0	99.0
77	65.3	52.3	78.5

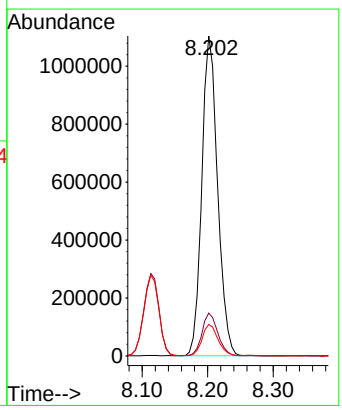


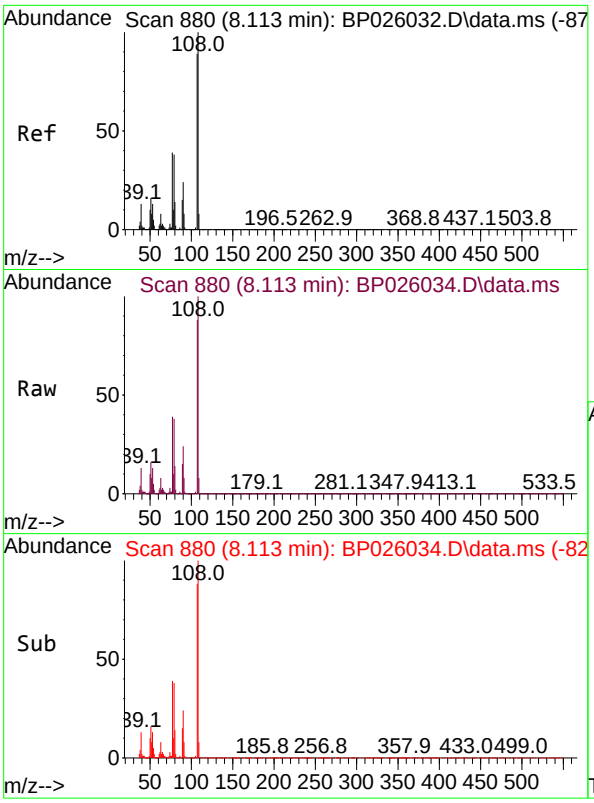


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.185 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 45 Resp: 1838598

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.2
79	9.8	0.0	29.5



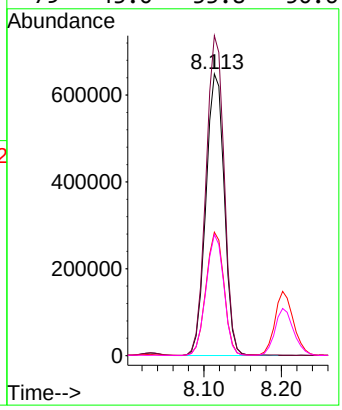


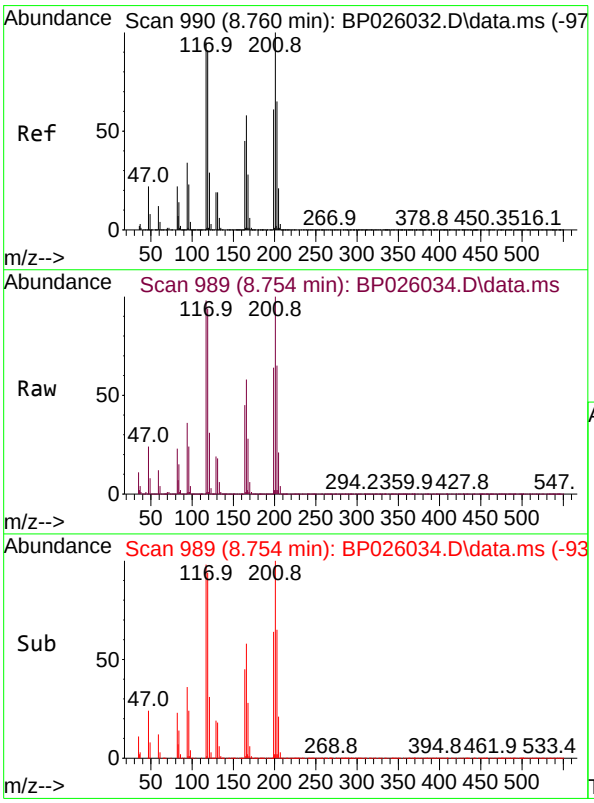
#17
2-Methylphenol
Concen: 64.741 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1068062

Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.8	134.8
77	43.8	34.8	52.2
79	43.0	33.8	50.6

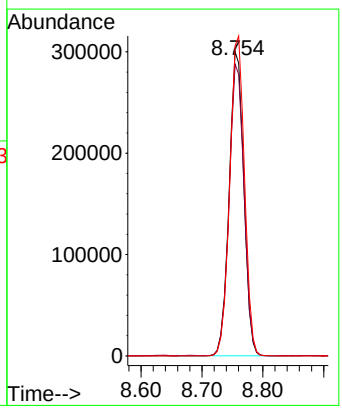


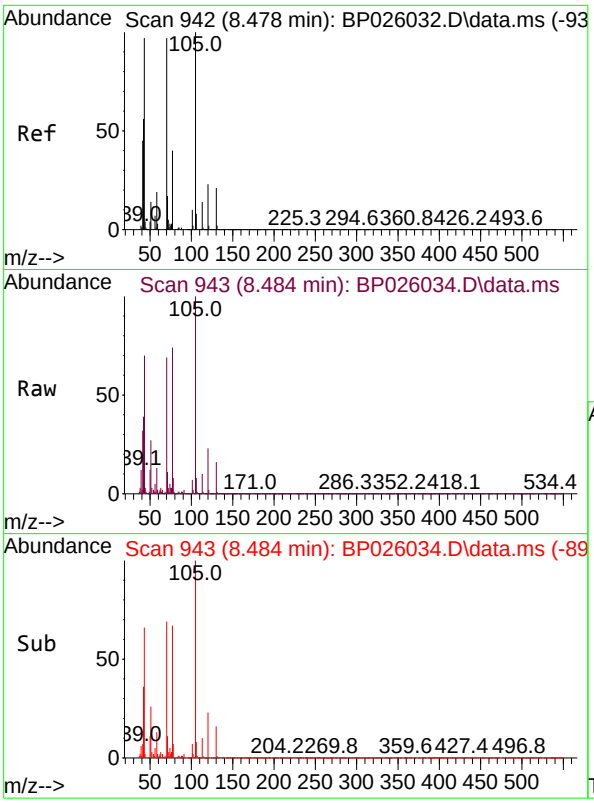


#18
Hexachloroethane
Concen: 63.902 ng
RT: 8.754 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:117 Resp: 501286

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	102.0	84.2	126.4



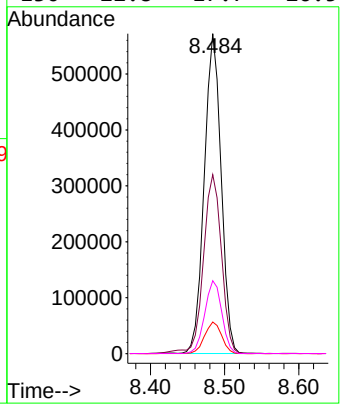


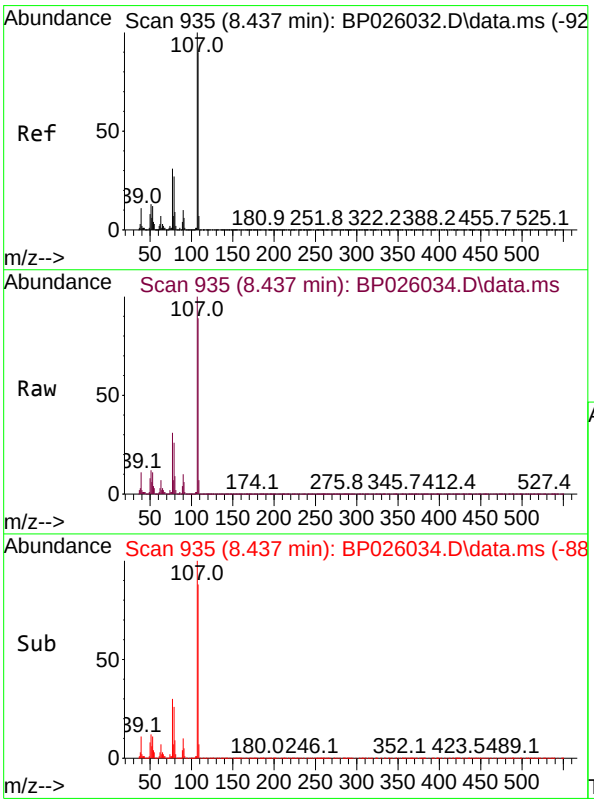
#19
n-Nitroso-di-n-propylamine
Concen: 64.223 ng
RT: 8.484 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 904719

Ion	Ratio	Lower	Upper
70	100		
42	55.9	47.2	70.8
101	9.9	8.2	12.2
130	22.8	17.7	26.5

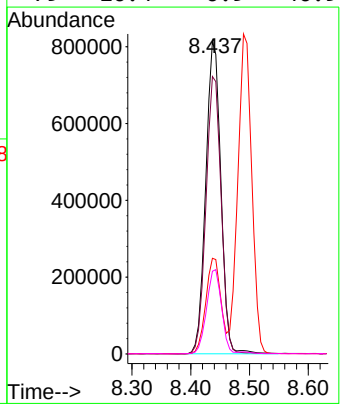


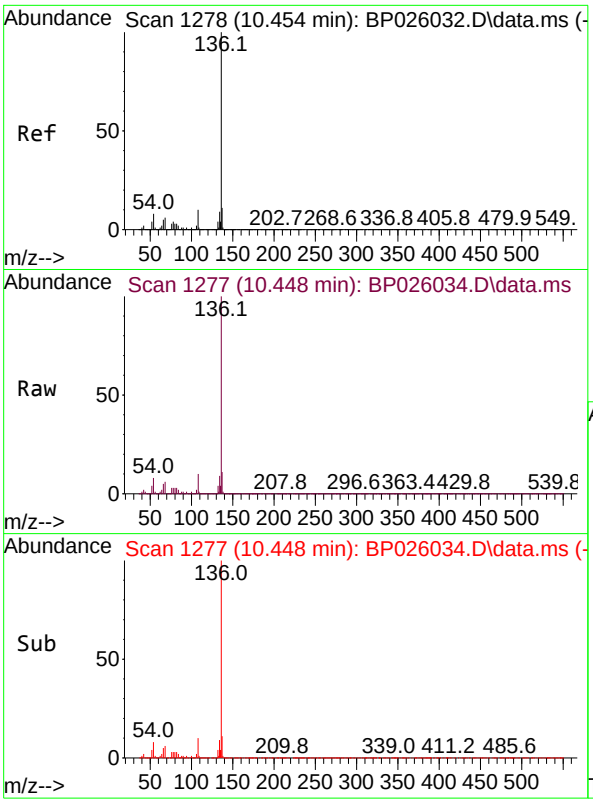


#20
3+4-Methylphenols
Concen: 63.287 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:107 Resp: 1452480

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.1	110.1
77	30.6	10.7	50.7
79	26.4	6.9	46.9



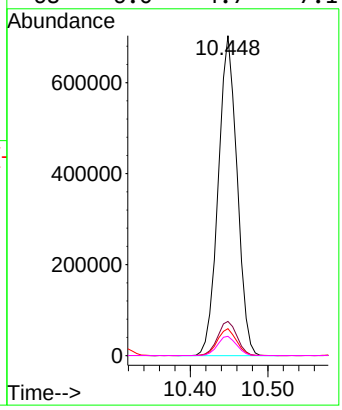


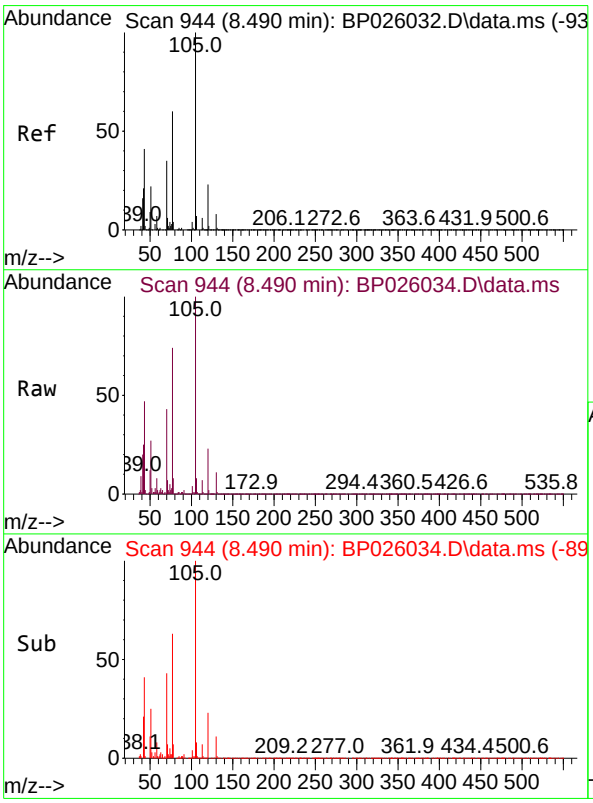
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.448 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1188234

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.4	6.6	10.0
68	6.0	4.7	7.1

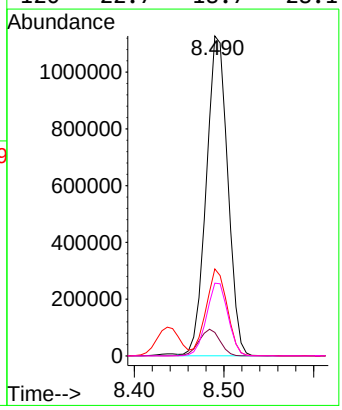


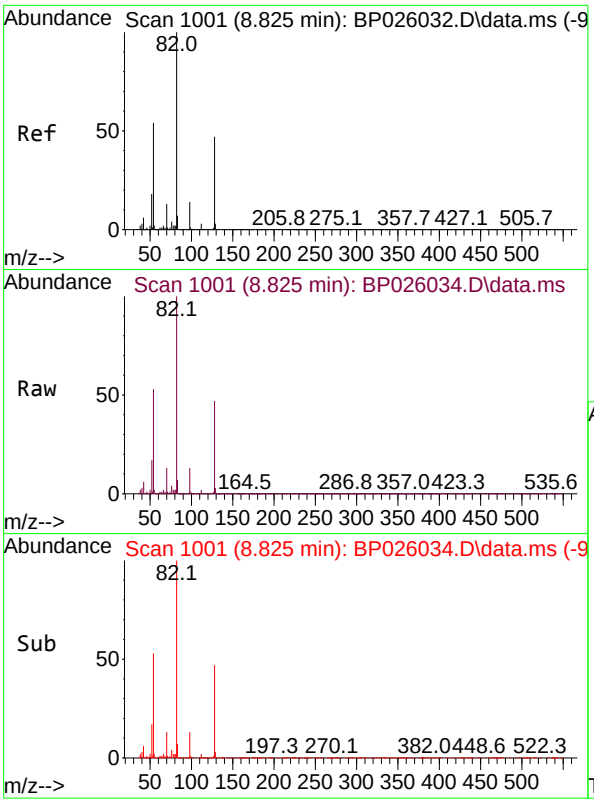


#22
Acetophenone
Concen: 62.324 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:105 Resp: 1872894

Ion	Ratio	Lower	Upper
105	100		
71	7.3	4.7	7.1#
51	27.2	21.8	32.8
120	22.7	18.7	28.1



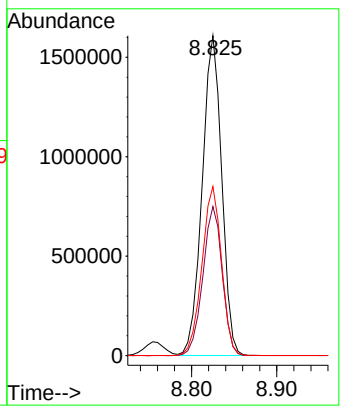


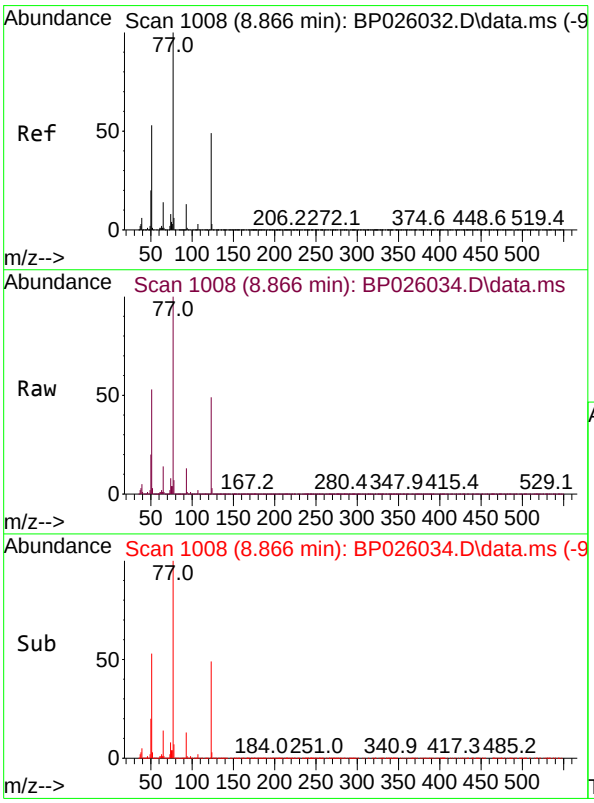
#23
Nitrobenzene-d5
Concen: 134.112 ng
RT: 8.825 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2556249

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.4	56.0
54	52.8	42.7	64.1

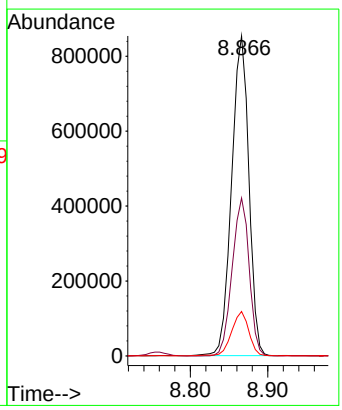


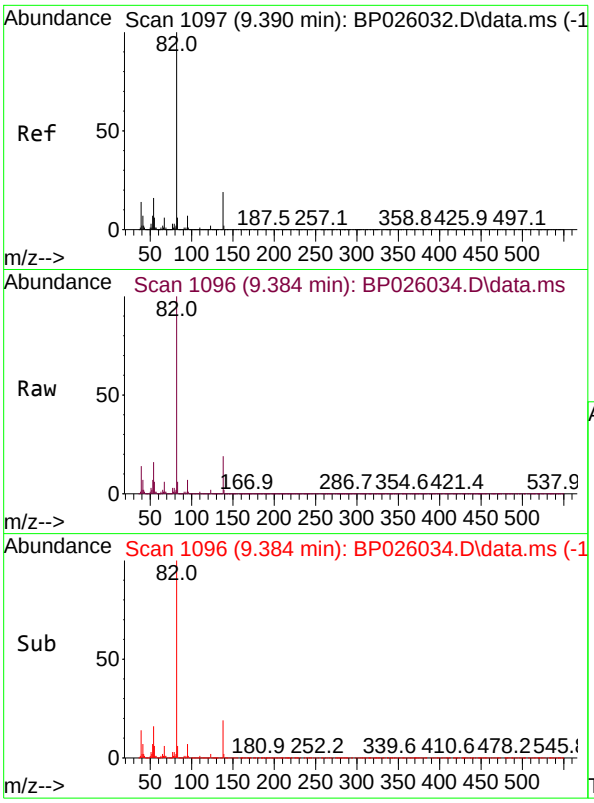


#24
Nitrobenzene
Concen: 65.646 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 77 Resp: 1321111

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.0	58.4
65	13.9	10.9	16.3



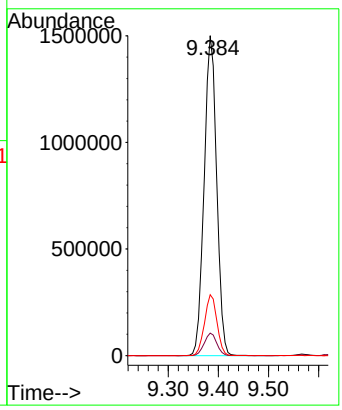


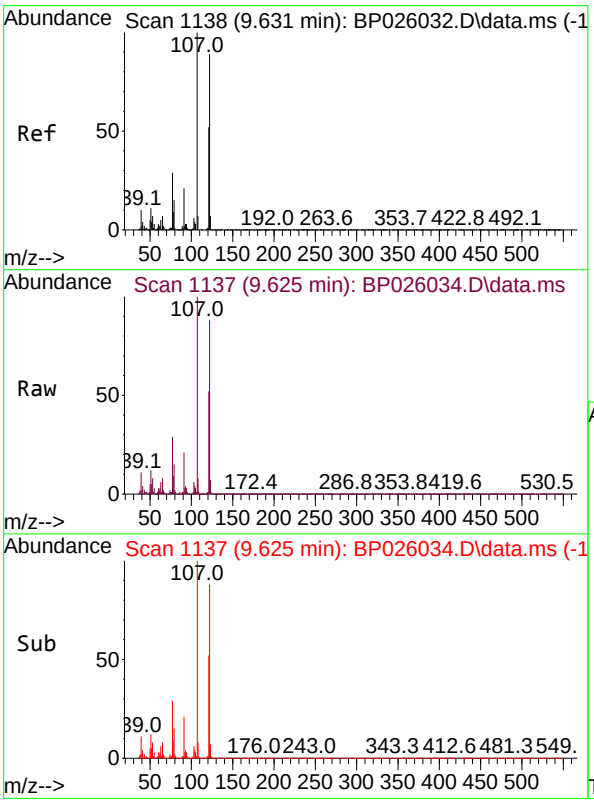
#25
Isophorone
Concen: 63.763 ng
RT: 9.384 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2601391

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	19.0	15.0	22.6

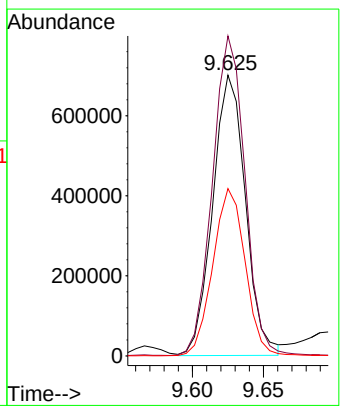


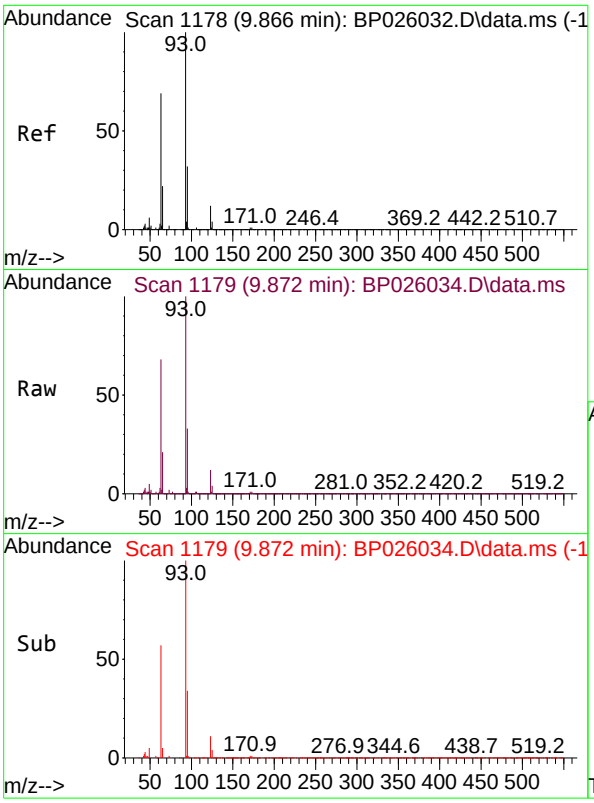


#27
2,4-Dimethylphenol
Concen: 65.520 ng
RT: 9.625 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:122 Resp: 1124076

Ion	Ratio	Lower	Upper
122	100		
107	114.0	89.2	133.8
121	59.6	46.3	69.5



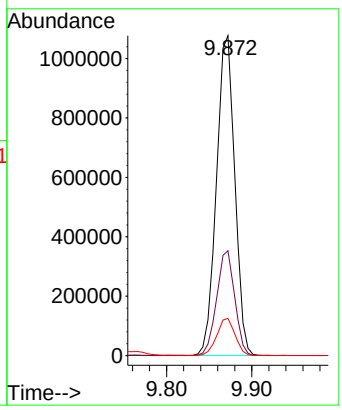


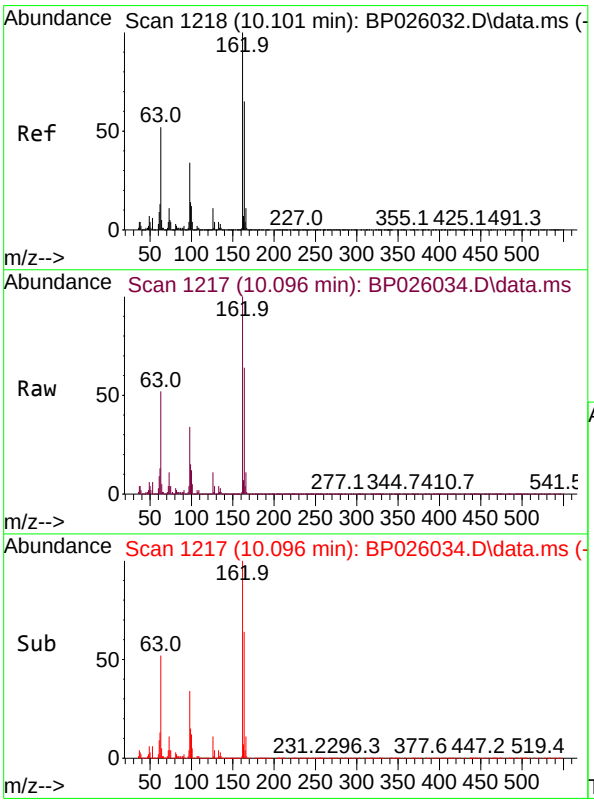
#28
bis(2-Chloroethoxy)methane
Concen: 62.561 ng
RT: 9.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1608539

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.6	9.3	13.9

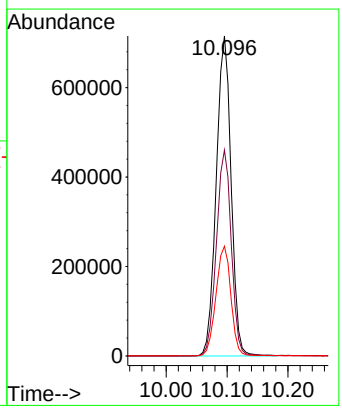


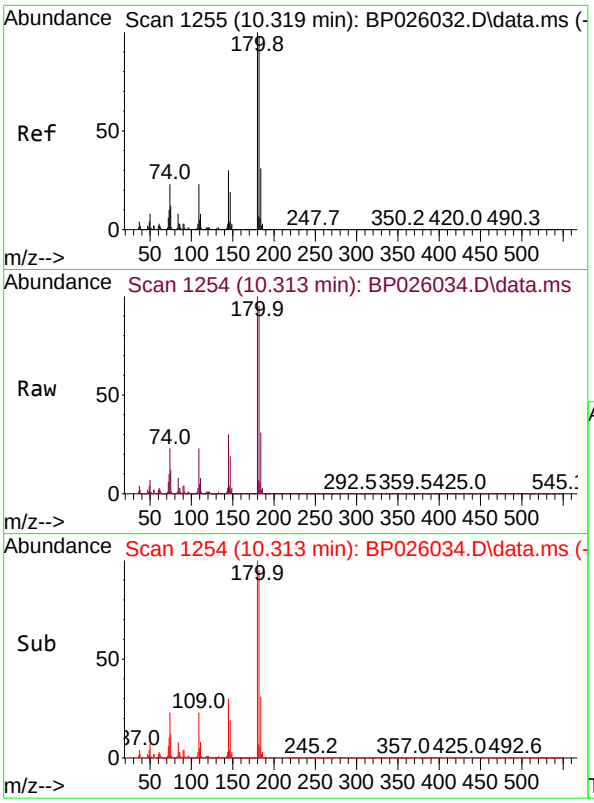


#29
2,4-Dichlorophenol
Concen: 66.994 ng
RT: 10.096 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:162 Resp: 1213575

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	34.3	14.0	54.0



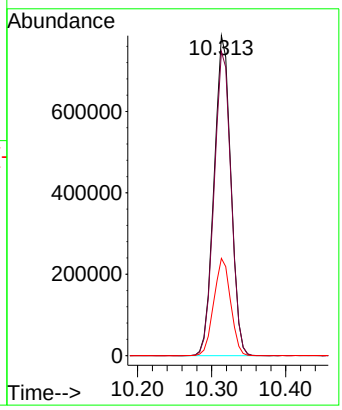


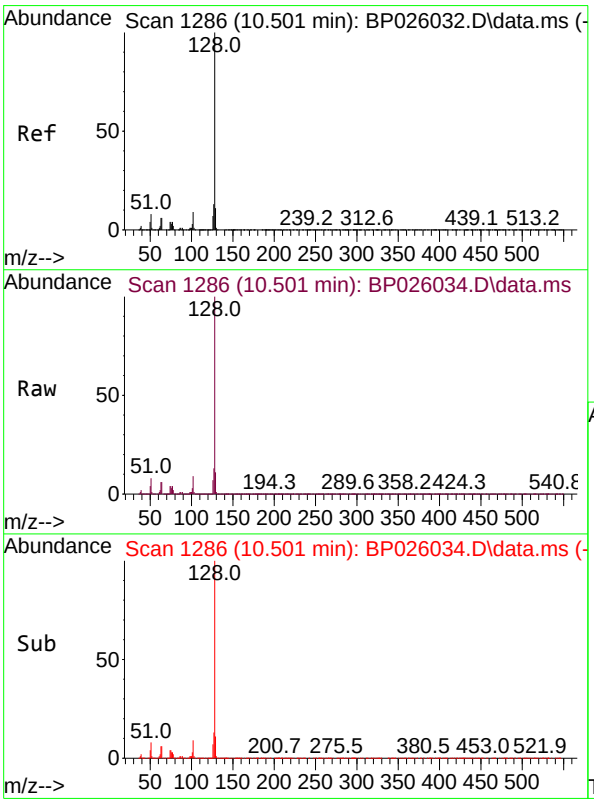
#30
1,2,4-Trichlorobenzene
Concen: 62.905 ng
RT: 10.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:180 Resp: 1238545

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.6	117.8
145	30.4	24.2	36.4

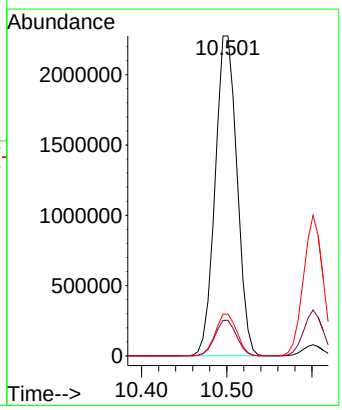


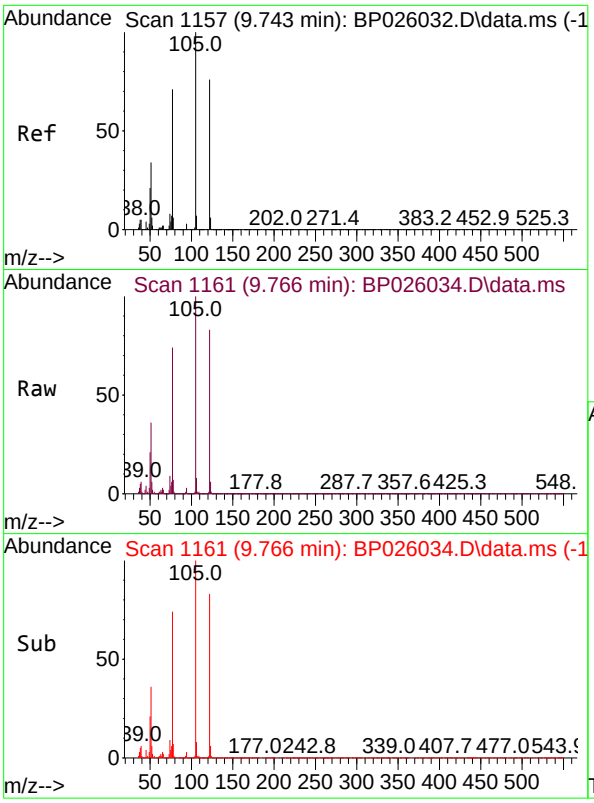


#31
Naphthalene
Concen: 62.555 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:128 Resp: 4053338

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.5	15.7



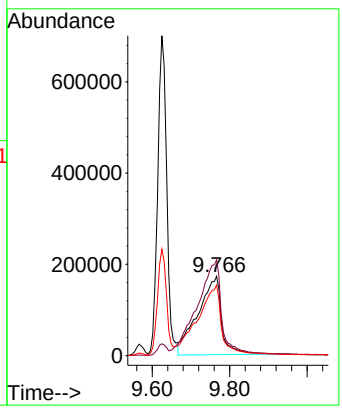


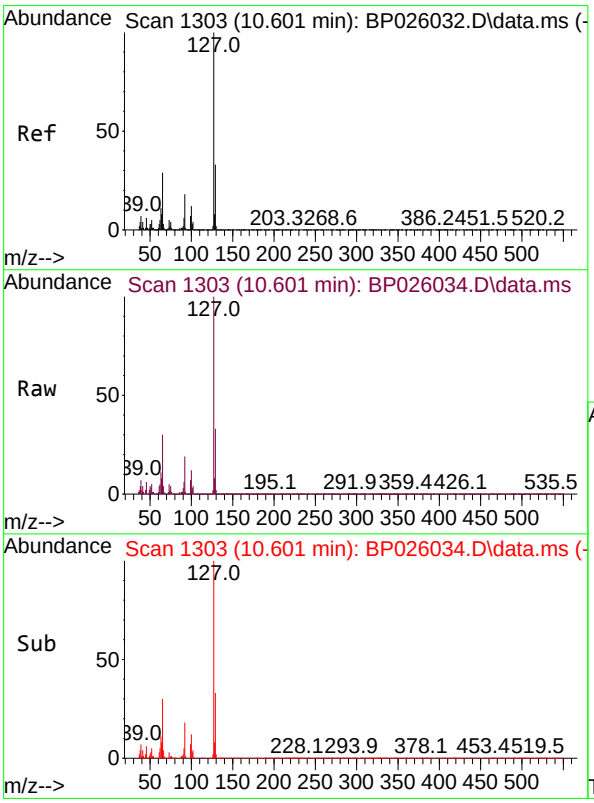
#32
Benzoic acid
Concen: 63.317 ng
RT: 9.766 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 733177

Ion	Ratio	Lower	Upper
122	100		
105	120.7	104.8	144.8
77	89.0	70.9	110.9

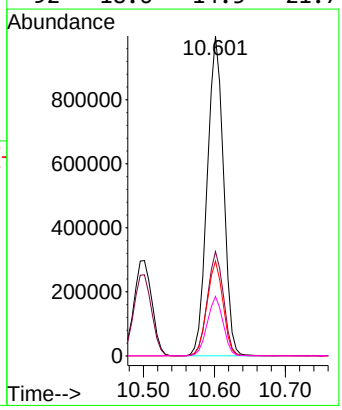


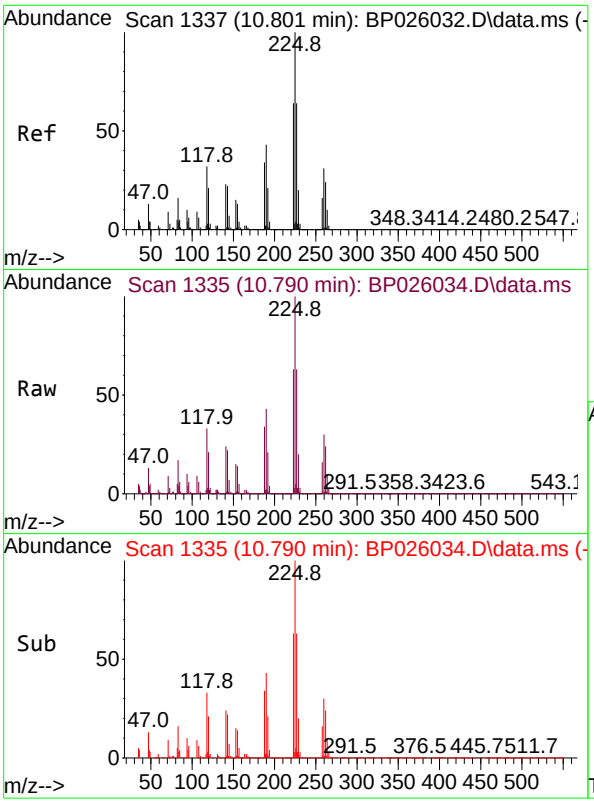


#33
4-Chloroaniline
Concen: 63.721 ng
RT: 10.601 min Scan# 1303
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:127 Resp: 1586613

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	29.6	23.2	34.8
92	18.6	14.5	21.7



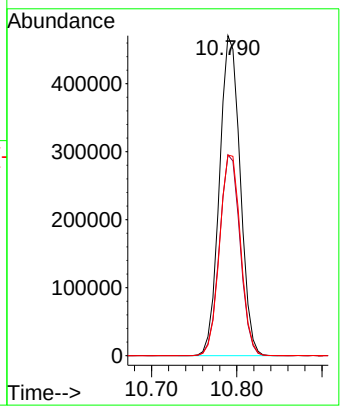


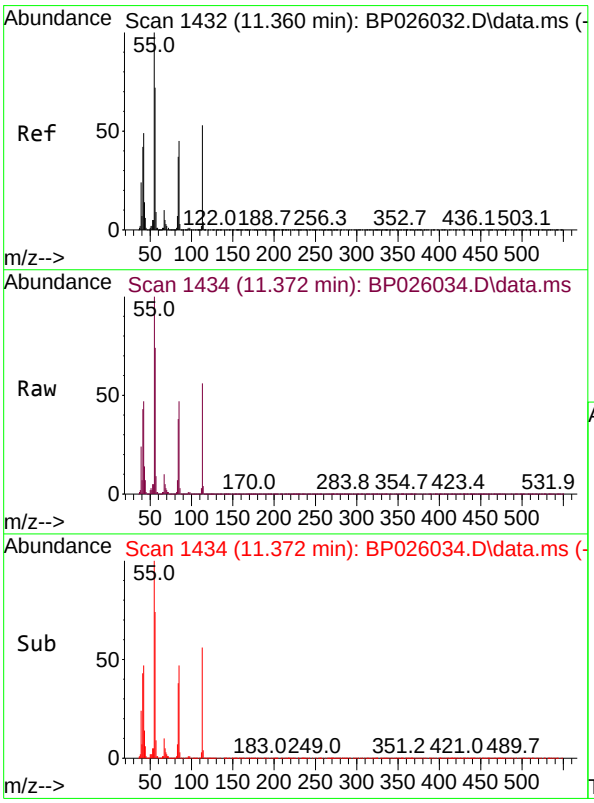
#34
Hexachlorobutadiene
Concen: 63.376 ng
RT: 10.790 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:225 Resp: 792964

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	62.7	51.0	76.4

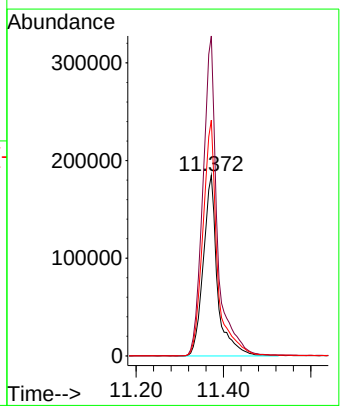


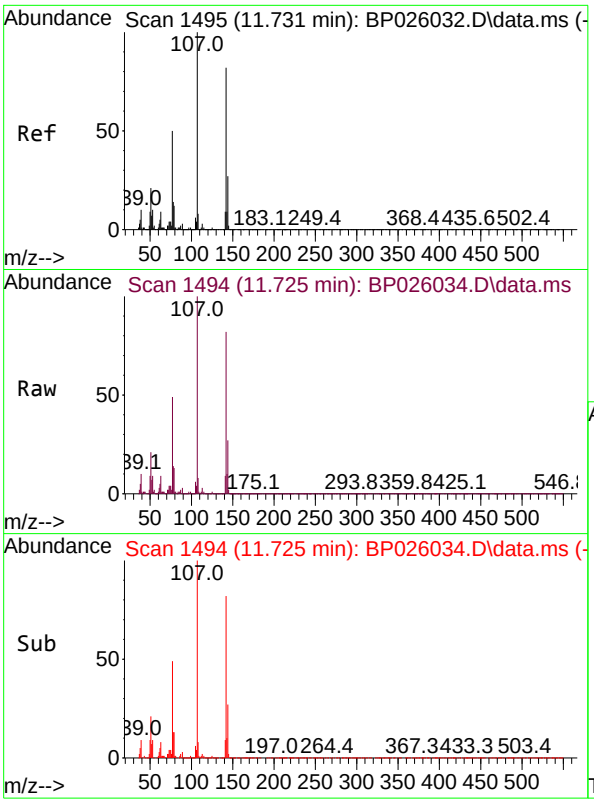


#35
Caprolactam
Concen: 65.121 ng
RT: 11.372 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:113 Resp: 414253

Ion	Ratio	Lower	Upper
113	100		
55	177.3	169.9	209.9
56	130.6	116.7	156.7



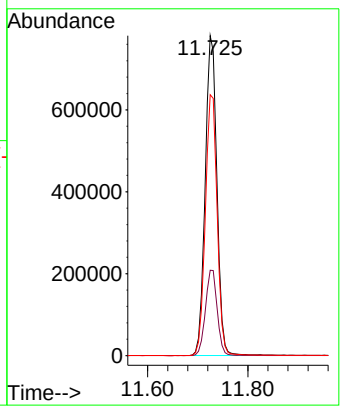


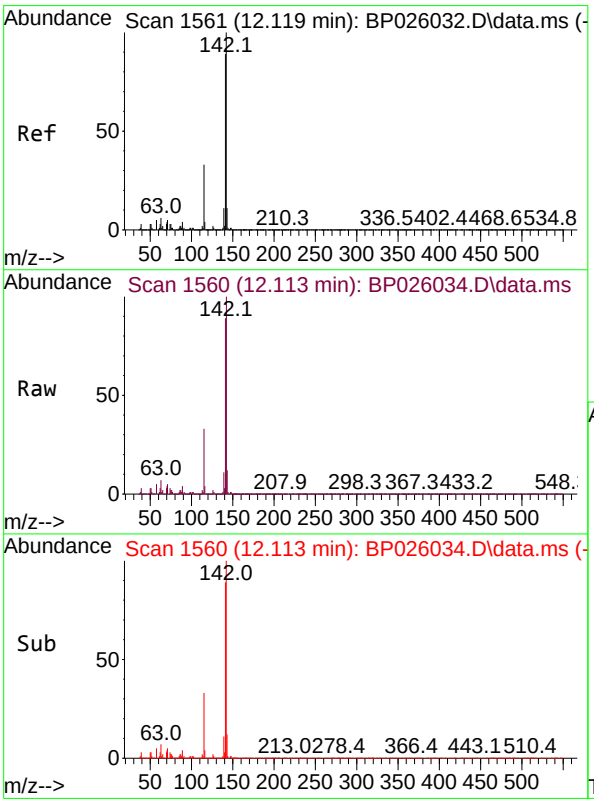
#36
4-Chloro-3-methylphenol
Concen: 66.778 ng
RT: 11.725 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1268077

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	81.5	65.2	97.8

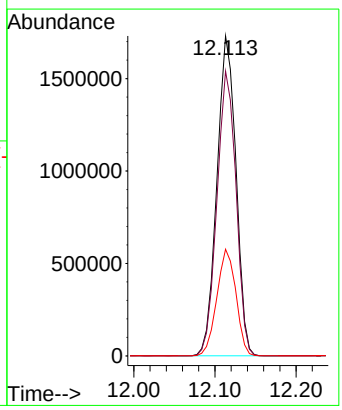


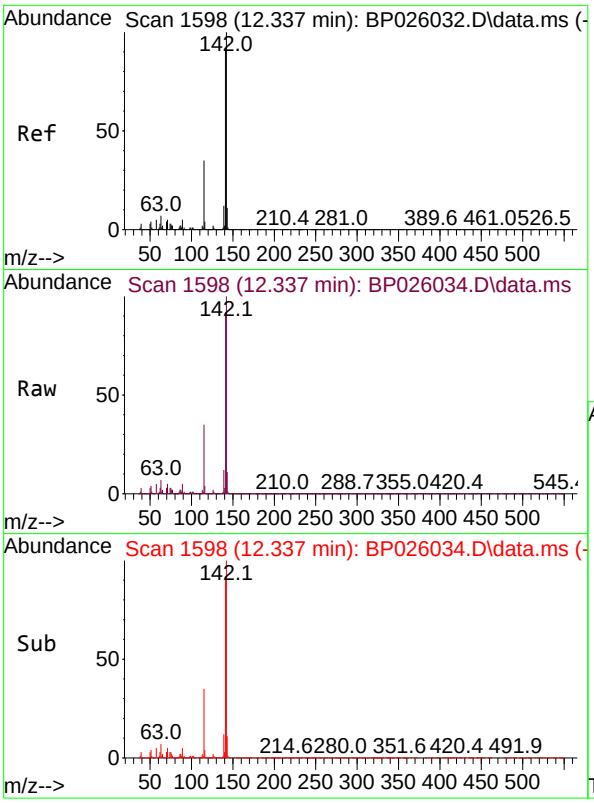


#37
2-Methylnaphthalene
Concen: 62.316 ng
RT: 12.113 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:142 Resp: 2826130

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.6	107.4
115	33.3	26.6	39.8



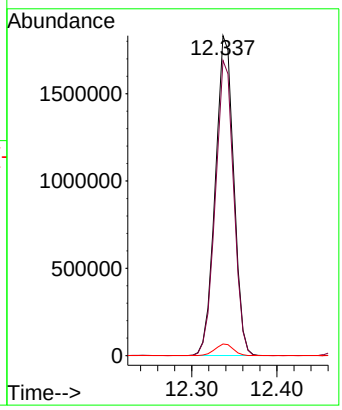


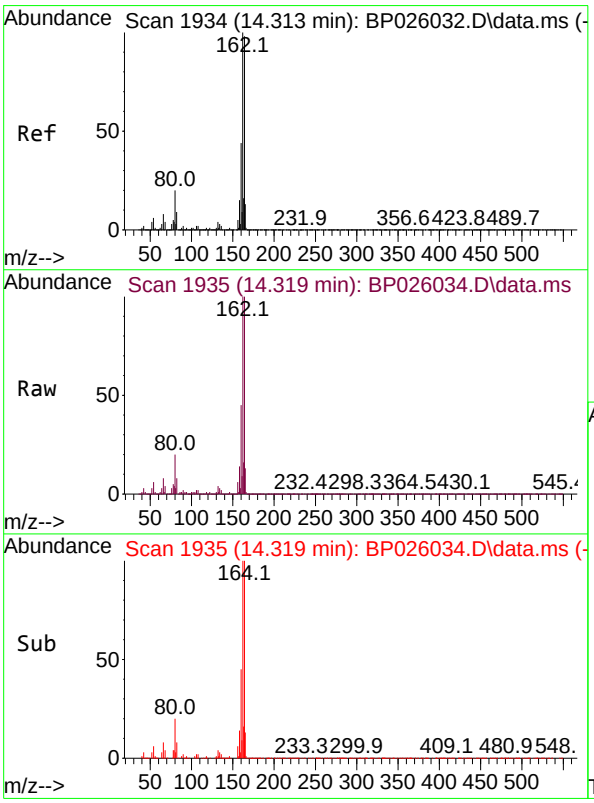
#38
1-Methylnaphthalene
Concen: 62.303 ng
RT: 12.337 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2744994

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.7	109.1
116	3.6	2.9	4.3

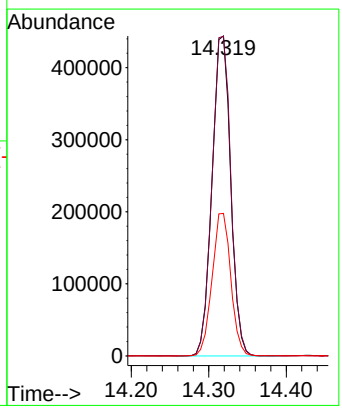


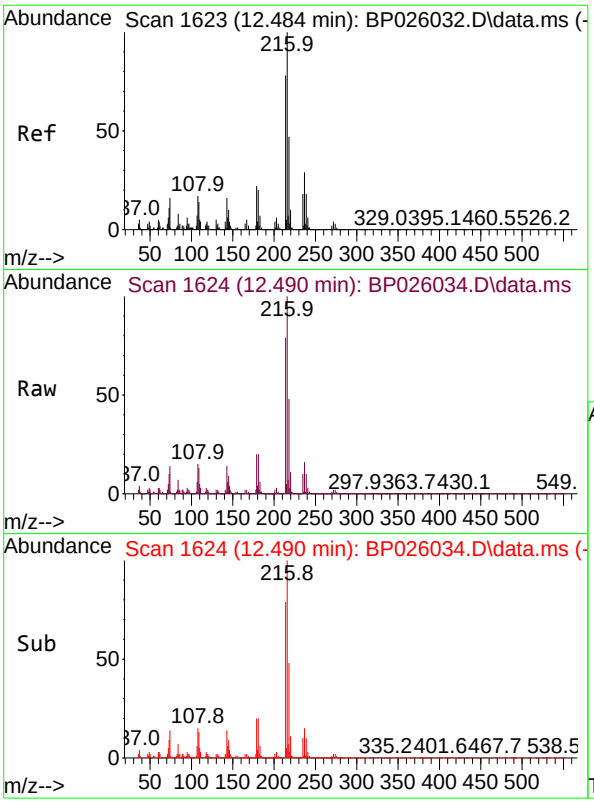


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:164 Resp: 740246

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	44.5	36.2	54.4



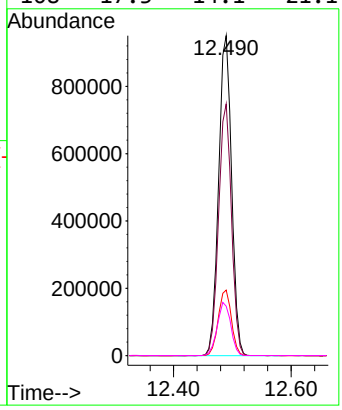


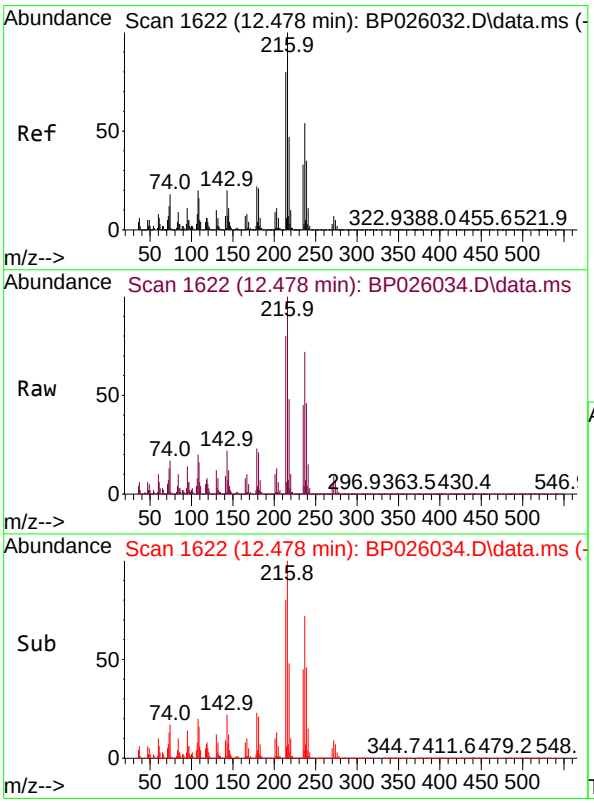
#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.152 ng
RT: 12.490 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:216 Resp: 1452519

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	20.8	16.9	25.3
108	17.3	14.1	21.1

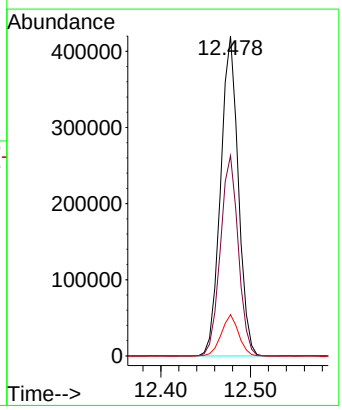


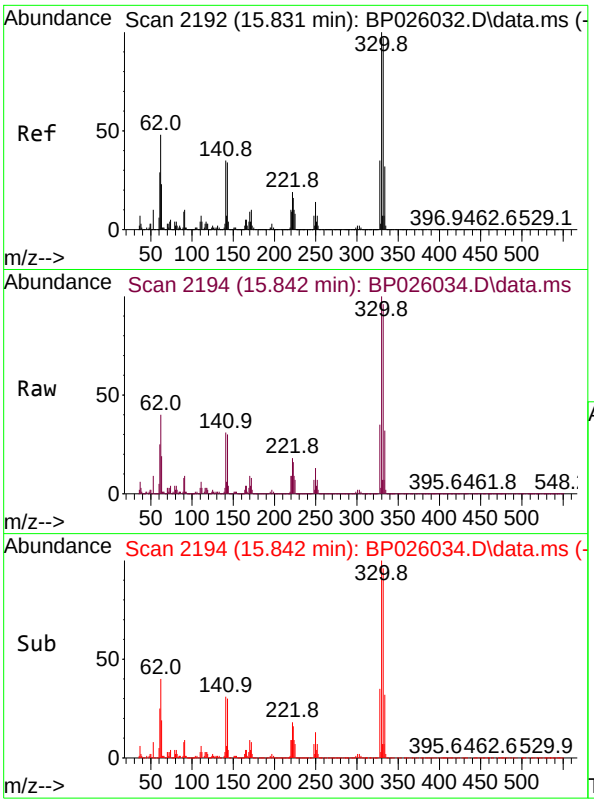


#41
Hexachlorocyclopentadiene
Concen: 68.581 ng
RT: 12.478 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:237 Resp: 577139

Ion	Ratio	Lower	Upper
237	100		
235	62.6	40.4	80.4
272	12.9	0.0	32.2



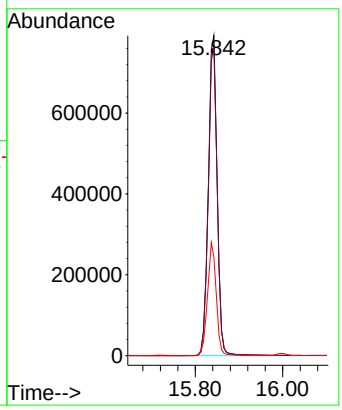


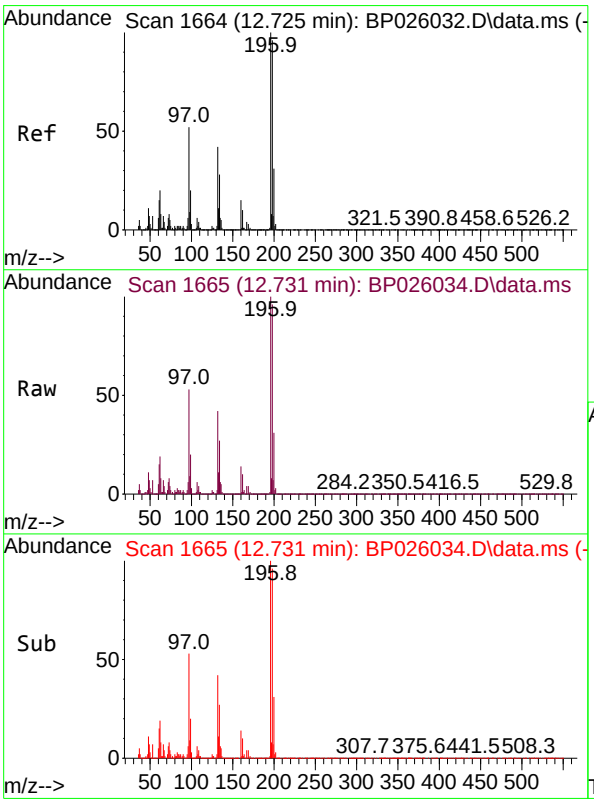
#42
2,4,6-Tribromophenol
Concen: 138.661 ng
RT: 15.842 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:330 Resp: 1109676

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.7	28.6	42.8

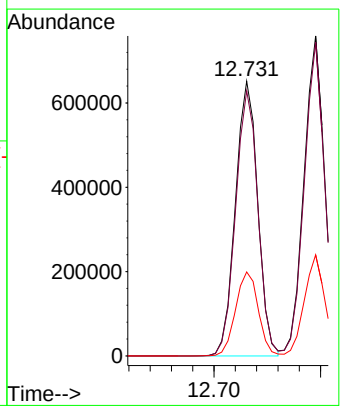


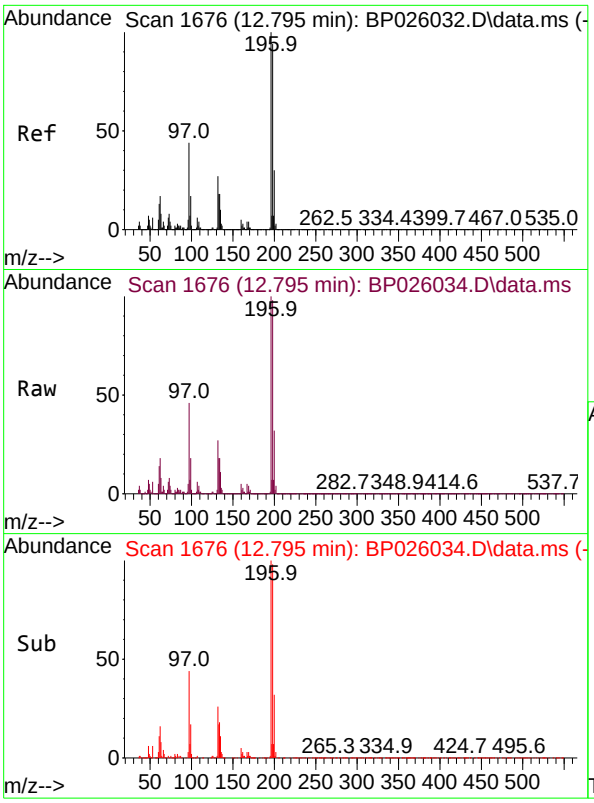


#43
2,4,6-Trichlorophenol
Concen: 69.685 ng
RT: 12.731 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:196 Resp: 947367

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.5	114.7
200	30.6	24.4	36.6



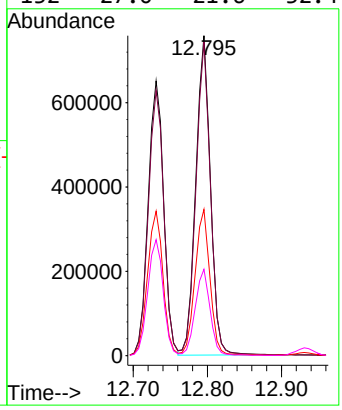


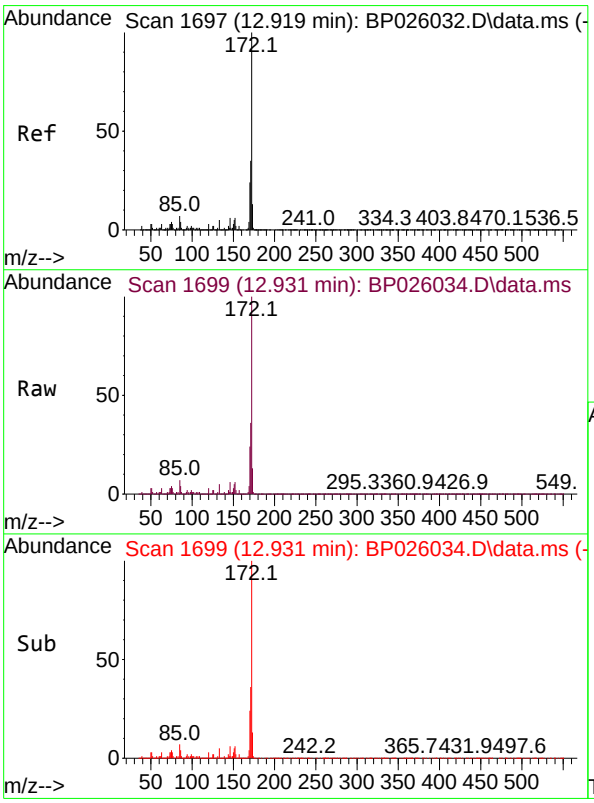
#44
2,4,5-Trichlorophenol
Concen: 67.173 ng
RT: 12.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 1042039

Ion	Ratio	Lower	Upper
196	100		
198	98.0	75.1	112.7
97	45.7	35.5	53.3
132	27.0	21.6	32.4

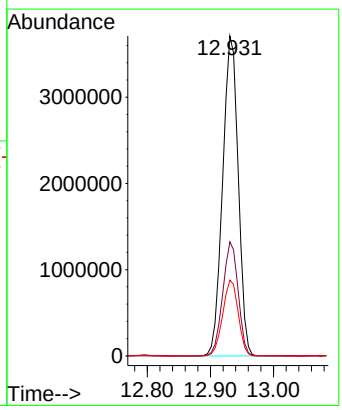


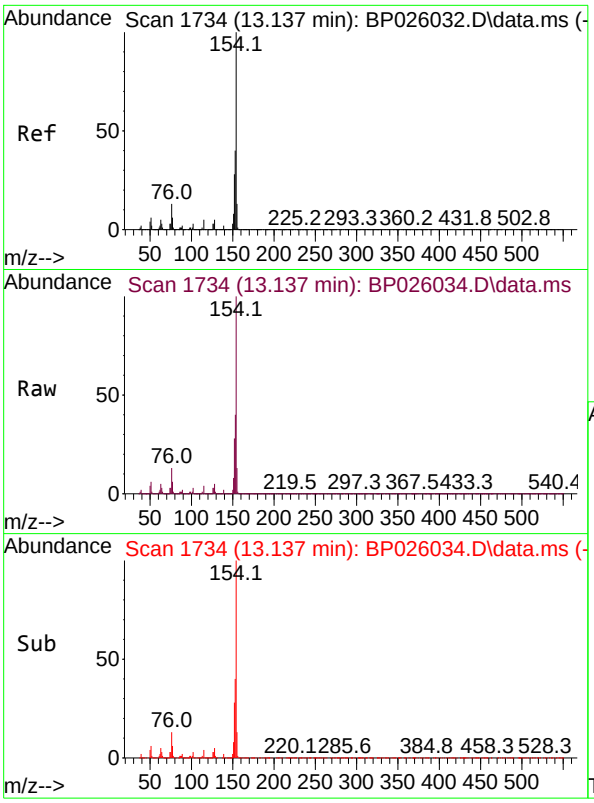


#45
2-Fluorobiphenyl
Concen: 123.451 ng
RT: 12.931 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:172 Resp: 6359685

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.7	19.0	28.4



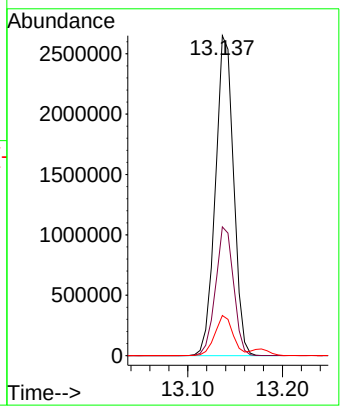


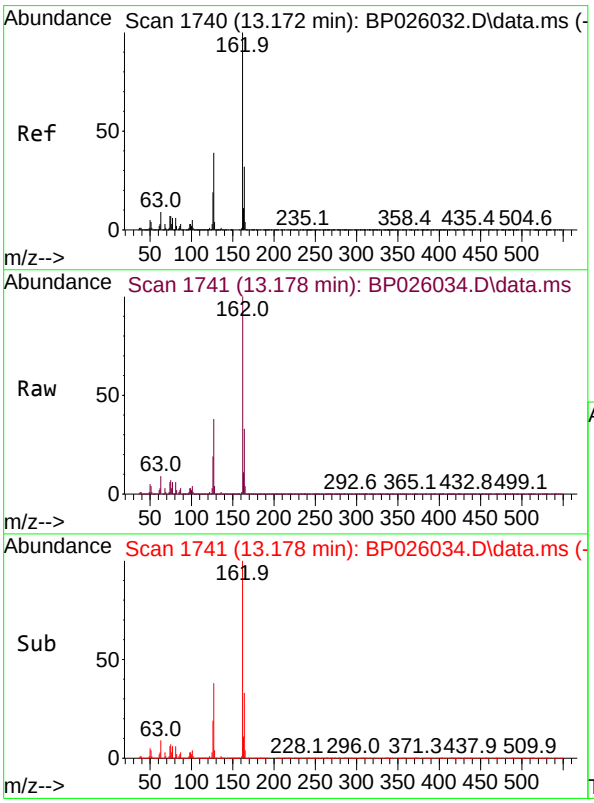
#46
1,1'-Biphenyl
Concen: 62.090 ng
RT: 13.137 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 3519299

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	12.5	0.0	32.8

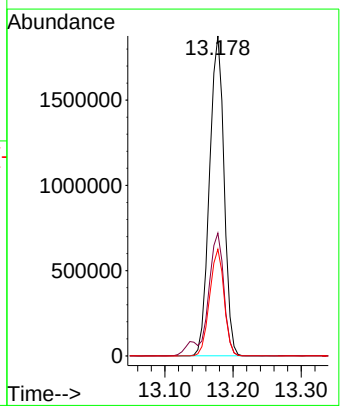


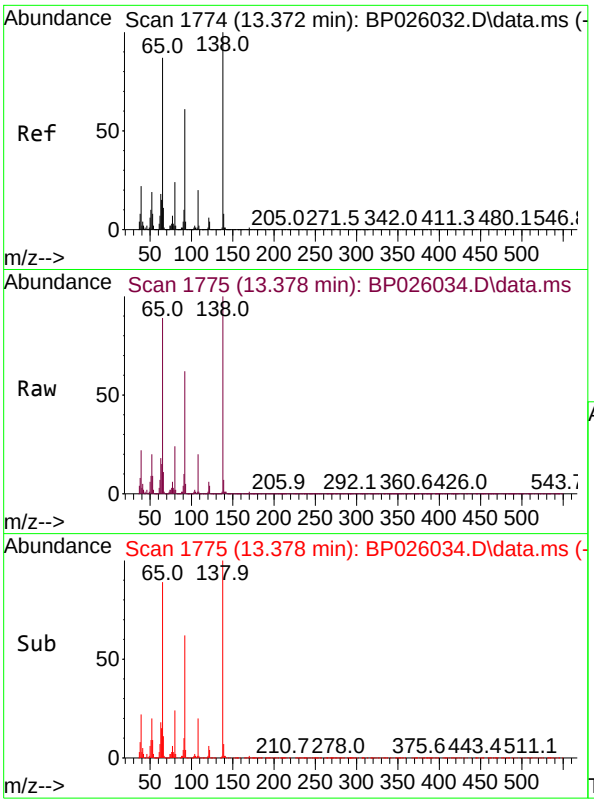


#47
2-Chloronaphthalene
Concen: 62.380 ng
RT: 13.178 min Scan# 1741
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:162 Resp: 2781932

Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	33.3	25.9	38.9



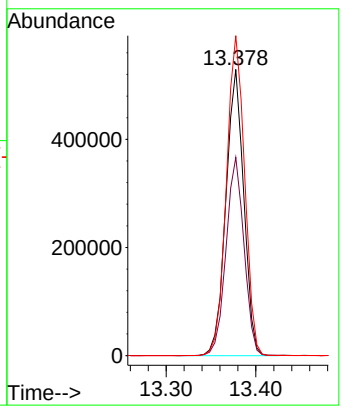


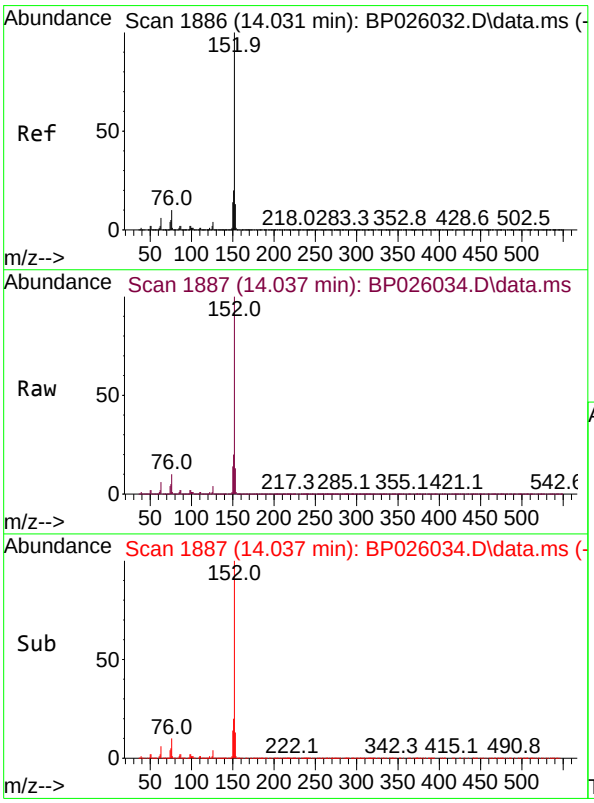
#48
2-Nitroaniline
Concen: 64.505 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 65 Resp: 737734

Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.5	83.3
138	111.8	91.7	137.5

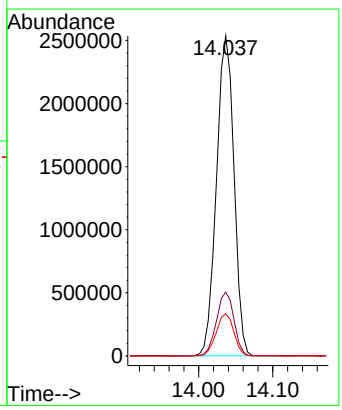


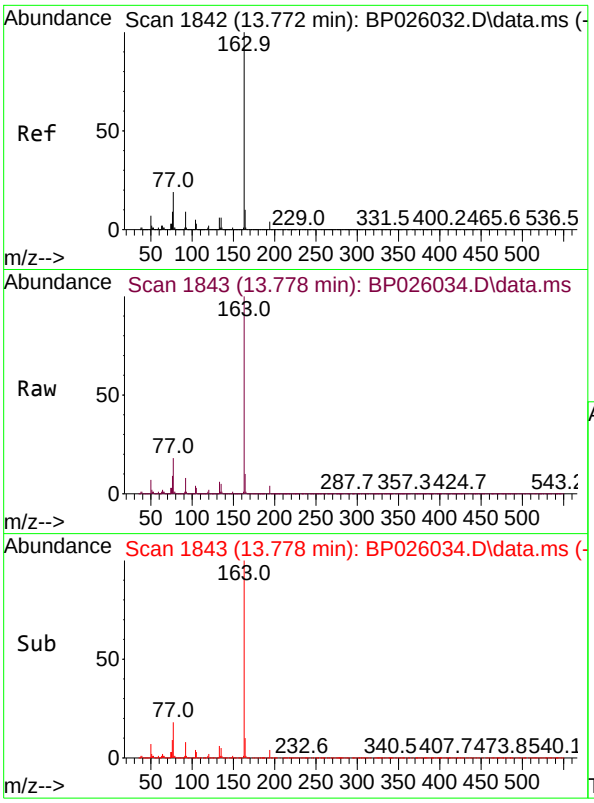


#49
Acenaphthylene
Concen: 64.110 ng
RT: 14.037 min Scan# 1887
Delta R.T. 0.001 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:152 Resp: 4167114

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0



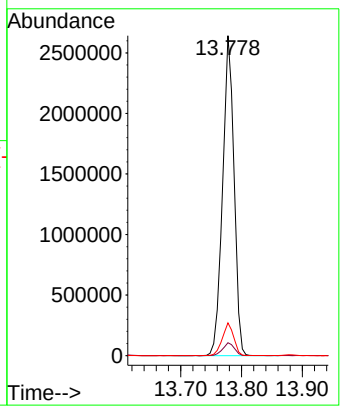


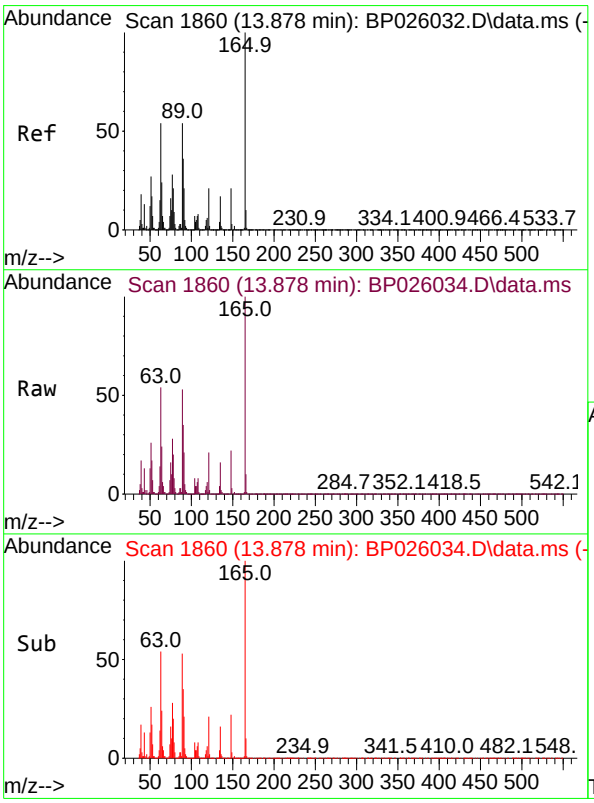
#50
Dimethylphthalate
Concen: 64.073 ng
RT: 13.778 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:163 Resp: 3449991

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.2	12.2

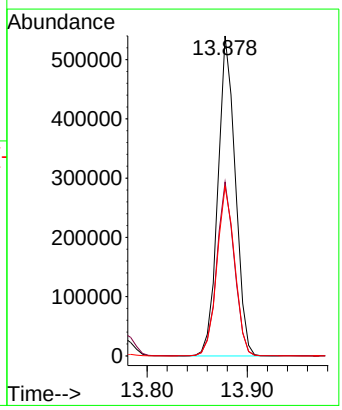


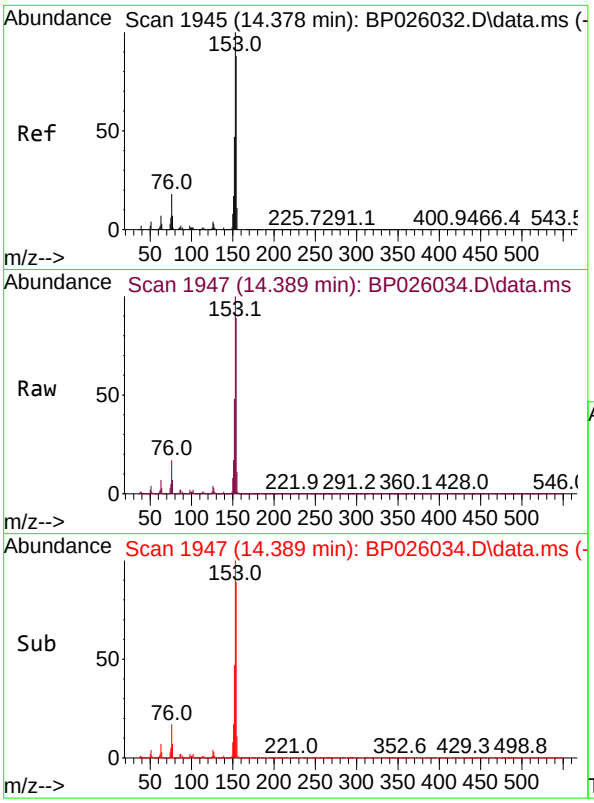


#51
2,6-Dinitrotoluene
Concen: 64.811 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:165 Resp: 652327

Ion	Ratio	Lower	Upper
165	100		
63	54.3	43.0	64.4
89	53.0	43.0	64.4



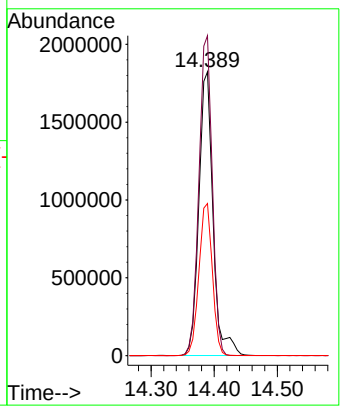


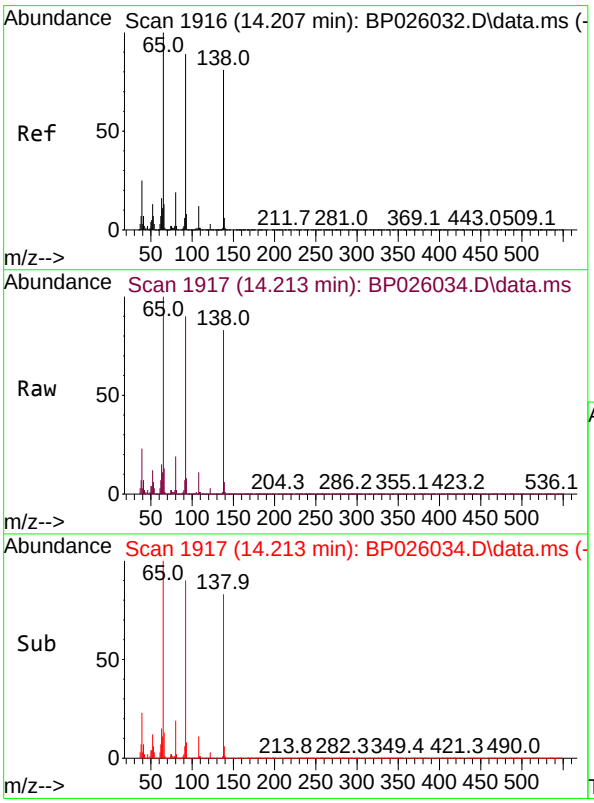
#52
Acenaphthene
Concen: 63.592 ng
RT: 14.389 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 2837620

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.0	136.4
152	53.6	42.7	64.1

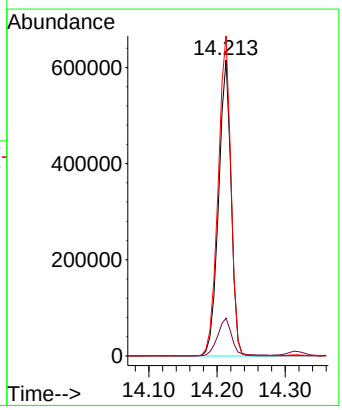


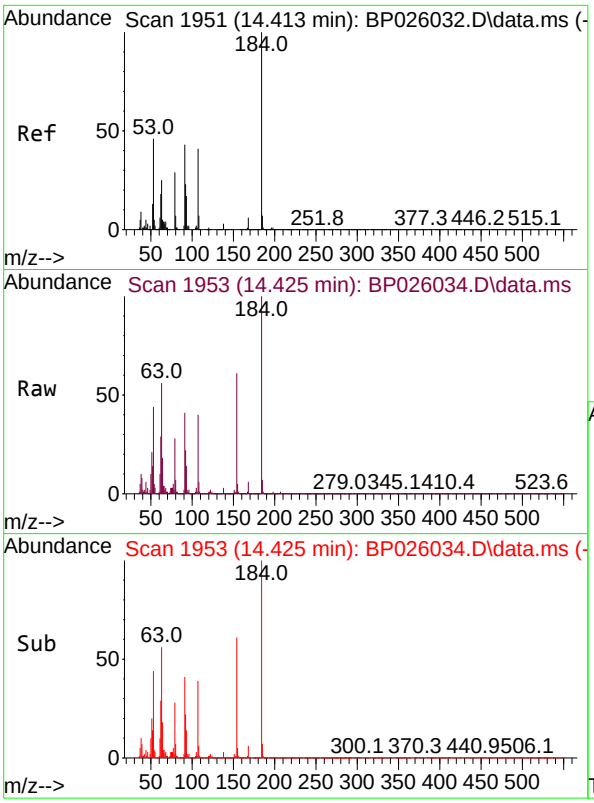


#53
3-Nitroaniline
Concen: 63.434 ng
RT: 14.213 min Scan# 1917
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:138 Resp: 780369

Ion	Ratio	Lower	Upper
138	100		
108	12.7	11.4	17.0
92	108.1	87.1	130.7



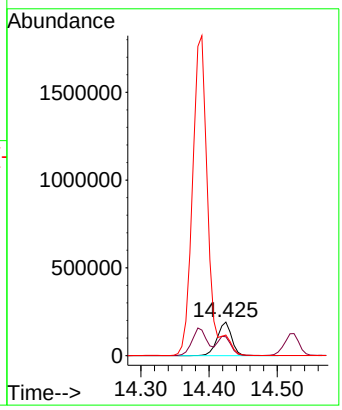


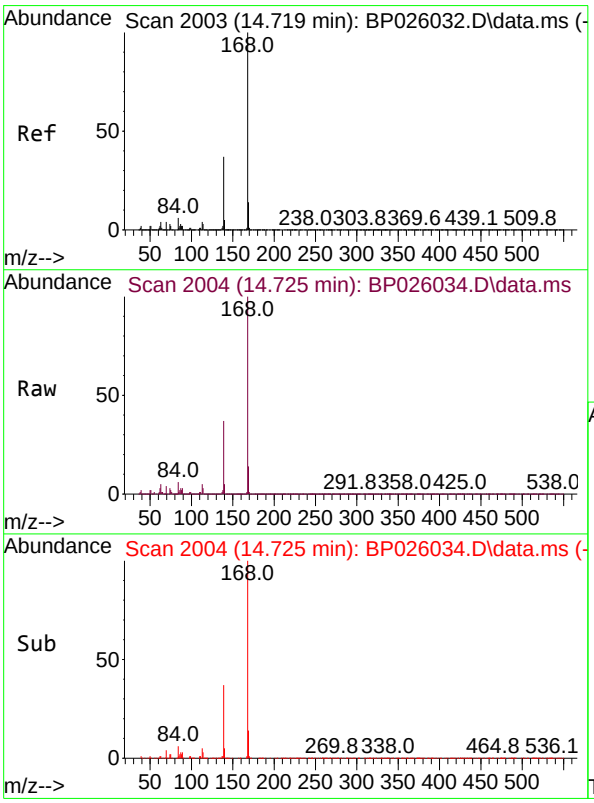
#54
2,4-Dinitrophenol
Concen: 63.744 ng
RT: 14.425 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 274254

Ion	Ratio	Lower	Upper
184	100		
63	56.3	49.0	73.4
154	61.3	51.0	76.6

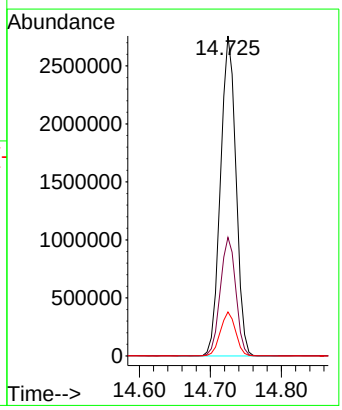


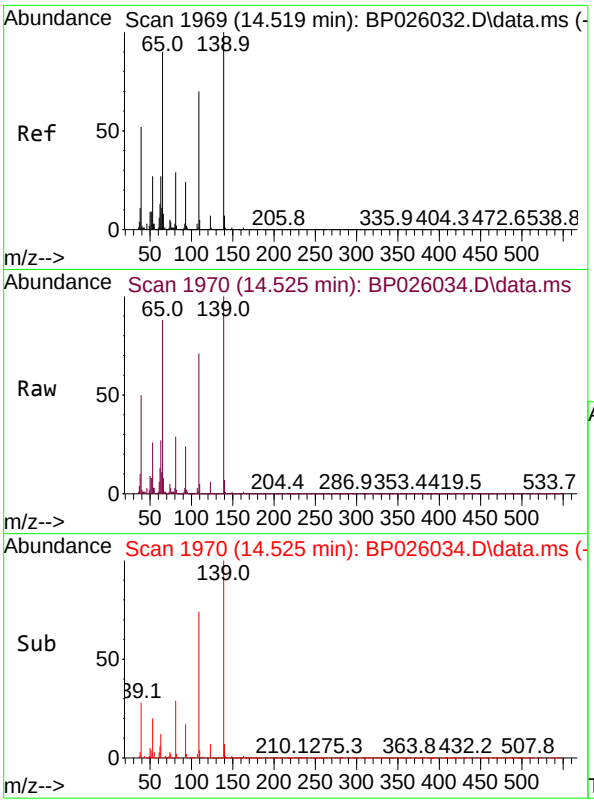


#55
Dibenzofuran
Concen: 62.047 ng
RT: 14.725 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:168 Resp: 4183126

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.7	44.5
169	13.7	11.0	16.4



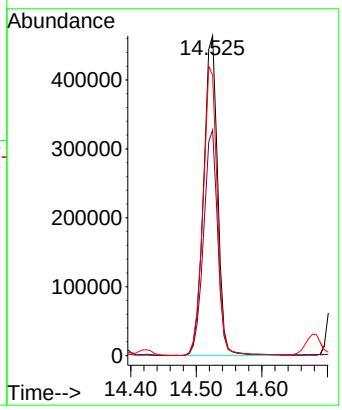


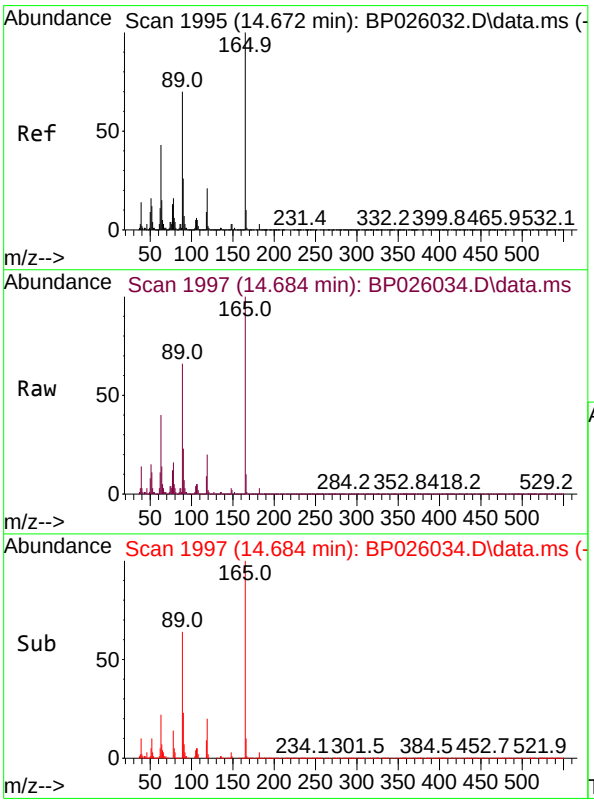
#56
4-Nitrophenol
Concen: 64.089 ng
RT: 14.525 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 688114

Ion	Ratio	Lower	Upper
139	100		
109	70.5	50.0	90.0
65	87.7	69.6	109.6

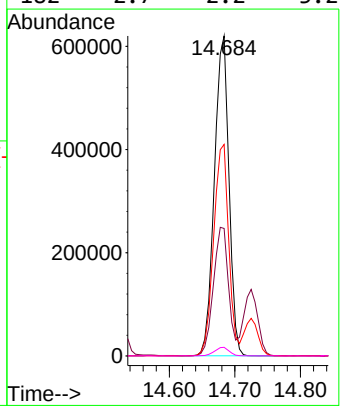


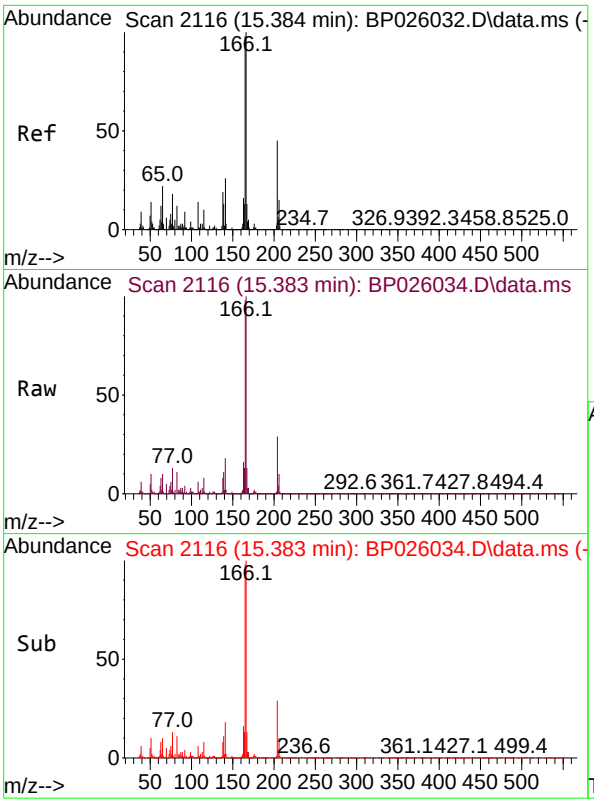


#57
2,4-Dinitrotoluene
Concen: 65.768 ng
RT: 14.684 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:165 Resp: 961200

Ion	Ratio	Lower	Upper
165	100		
63	39.8	34.2	51.2
89	66.1	56.0	84.0
182	2.7	2.2	3.2



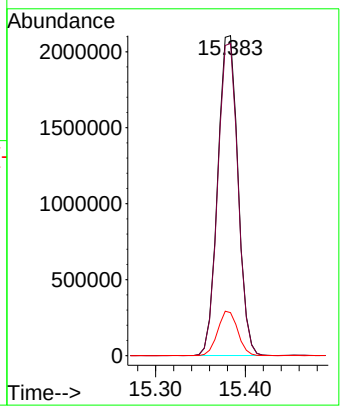


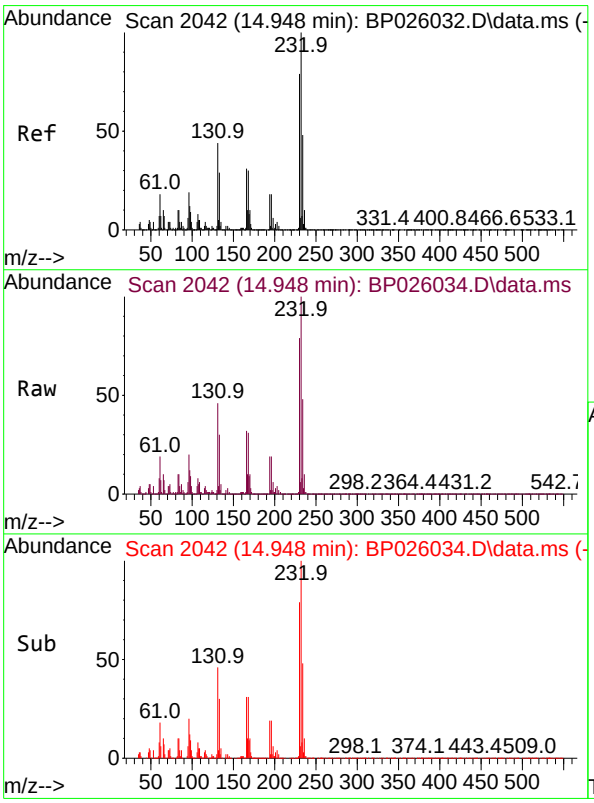
#58
Fluorene
Concen: 62.737 ng
RT: 15.383 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:166 Resp: 3313648

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.1	117.1
167	13.4	10.6	16.0

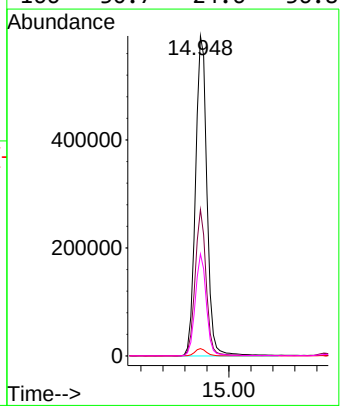


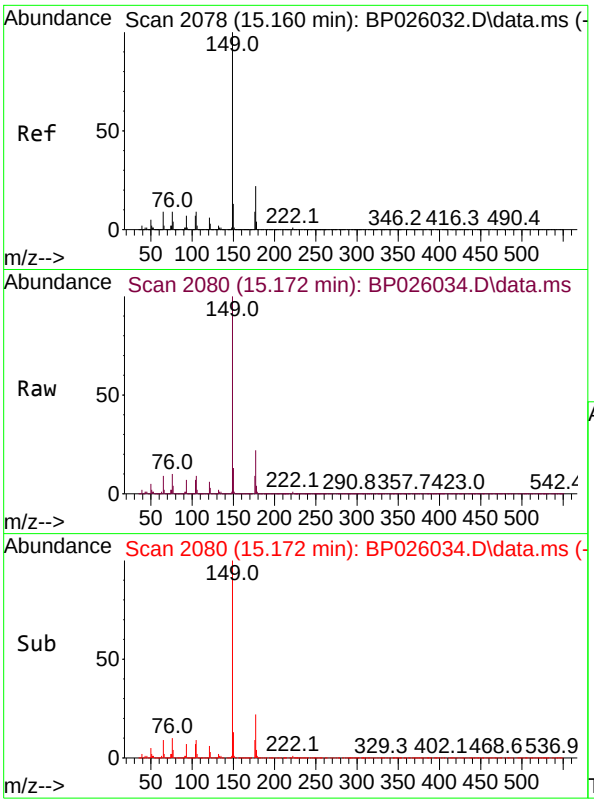


#59
2,3,4,6-Tetrachlorophenol
Concen: 70.360 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:232 Resp: 858179

Ion	Ratio	Lower	Upper
232	100		
131	43.8	35.2	52.8
130	2.3	1.7	2.5
166	30.7	24.6	36.8



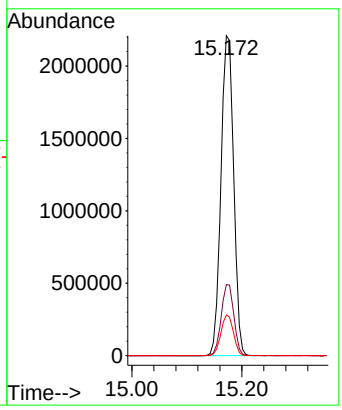


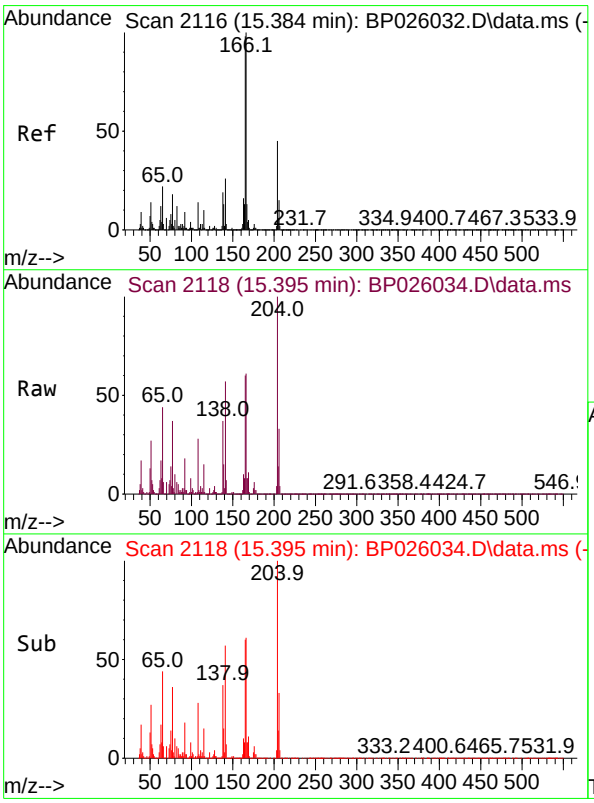
#60
Diethylphthalate
Concen: 65.288 ng
RT: 15.172 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3534128

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.7	10.1	15.1

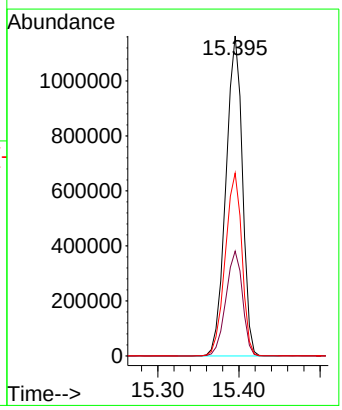


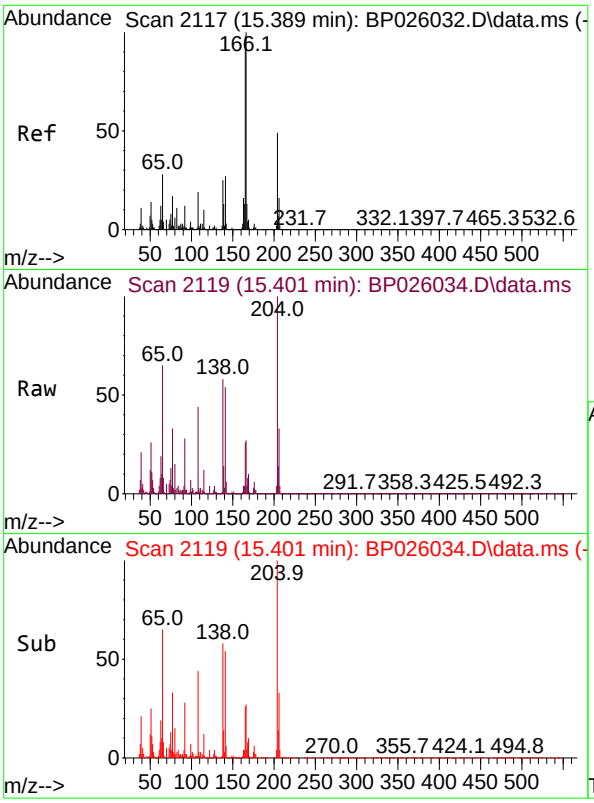


#61
4-Chlorophenyl-phenylether
Concen: 62.210 ng
RT: 15.395 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:204 Resp: 1640879

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	57.1	47.0	70.4



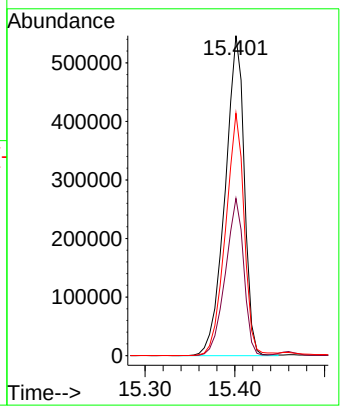


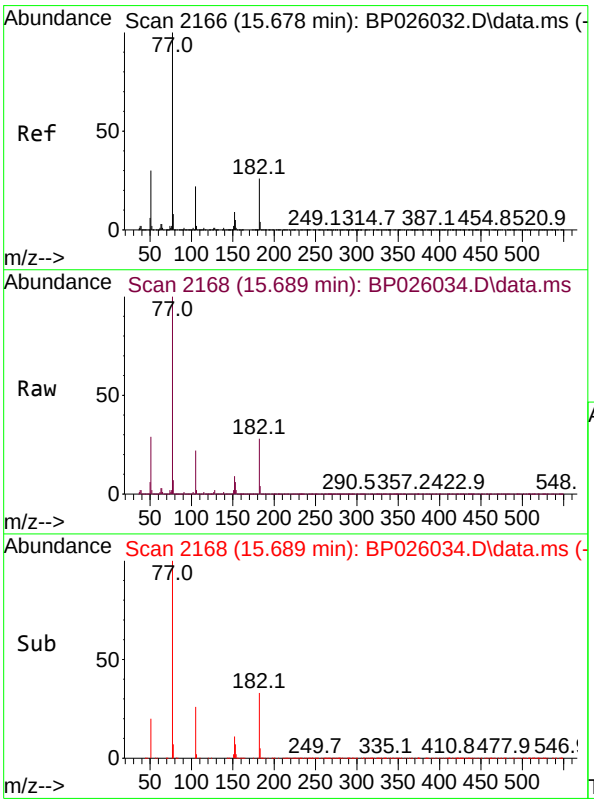
#62
4-Nitroaniline
Concen: 71.051 ng
RT: 15.401 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 817496

Ion	Ratio	Lower	Upper
138	100		
92	49.1	28.2	68.2
108	75.7	56.0	96.0

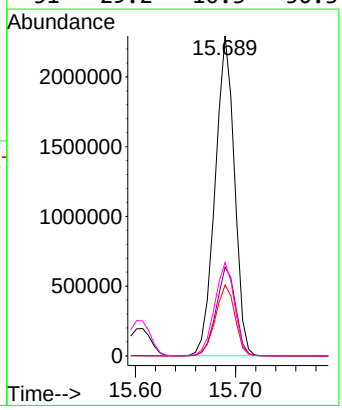


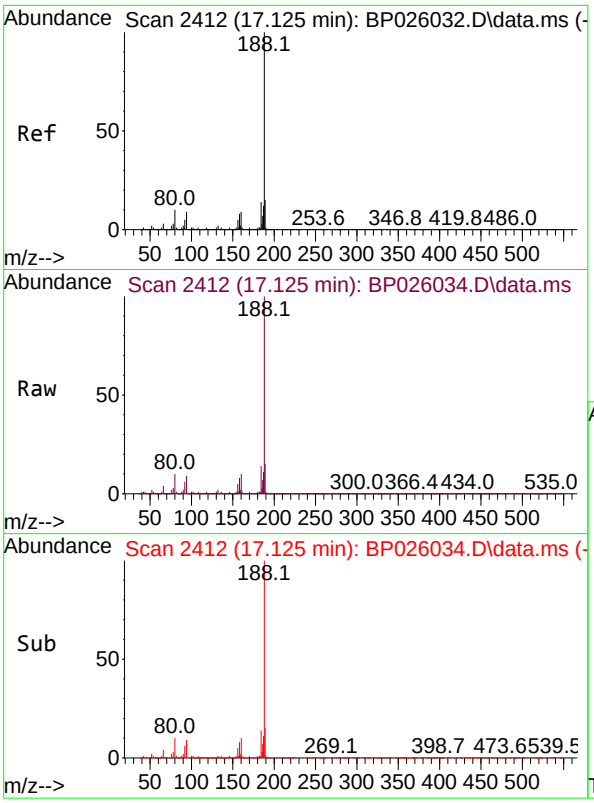


#63
Azobenzene
Concen: 62.764 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion: 77 Resp: 3079138

Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.4	46.4
105	22.1	2.2	42.2
51	29.2	10.3	50.3



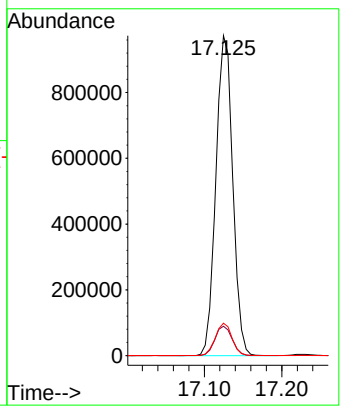


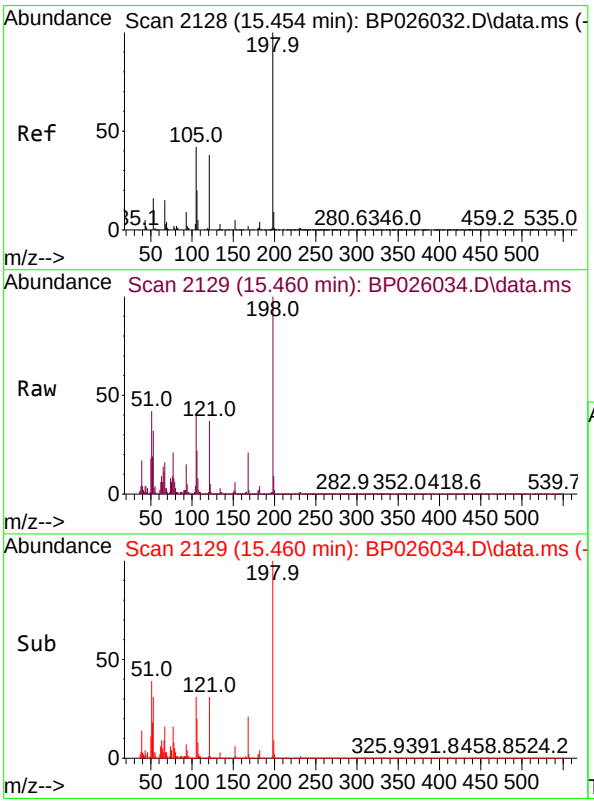
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:188 Resp: 1468570

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.1	10.7
80	10.1	7.9	11.9

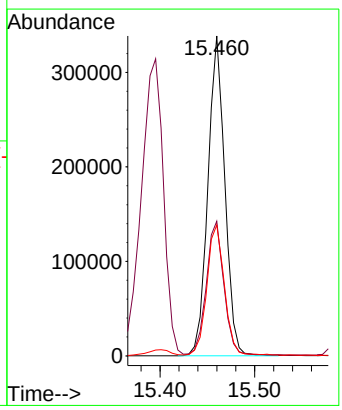


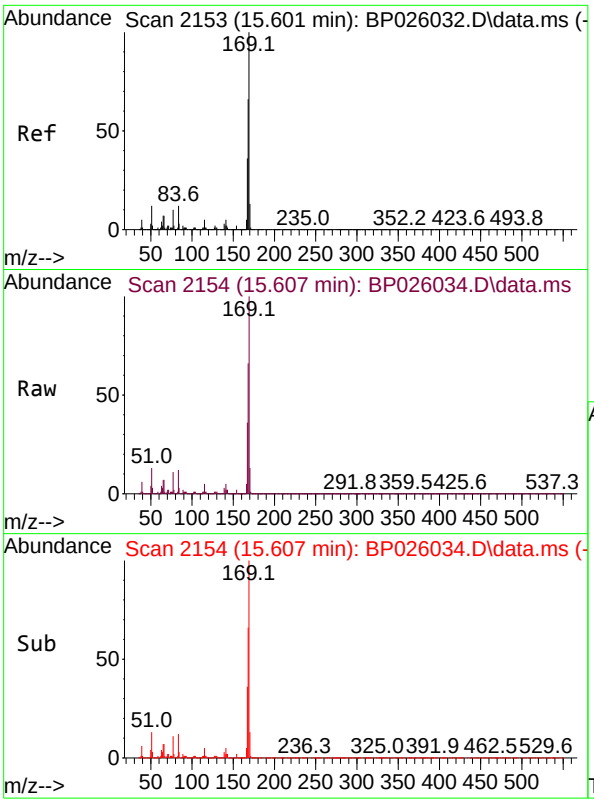


#65
4,6-Dinitro-2-methylphenol
Concen: 64.124 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:198 Resp: 420911

Ion	Ratio	Lower	Upper
198	100		
51	42.1	25.2	65.2
105	40.9	23.7	63.7



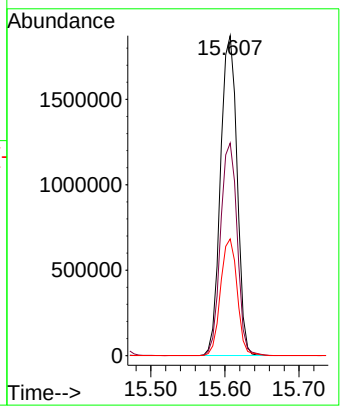


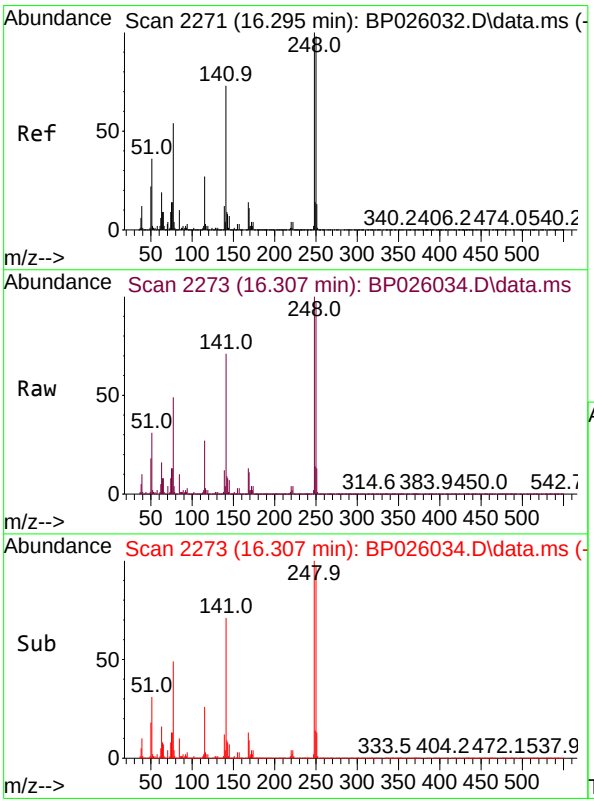
#66
n-Nitrosodiphenylamine
Concen: 63.193 ng
RT: 15.607 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:169 Resp: 2901612

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.9	79.3
167	36.5	28.9	43.3

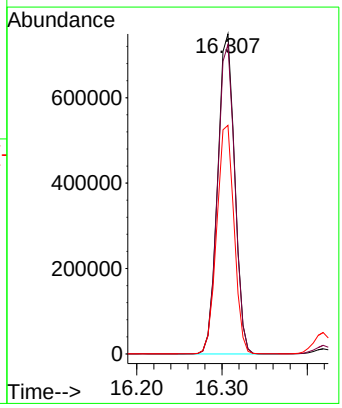


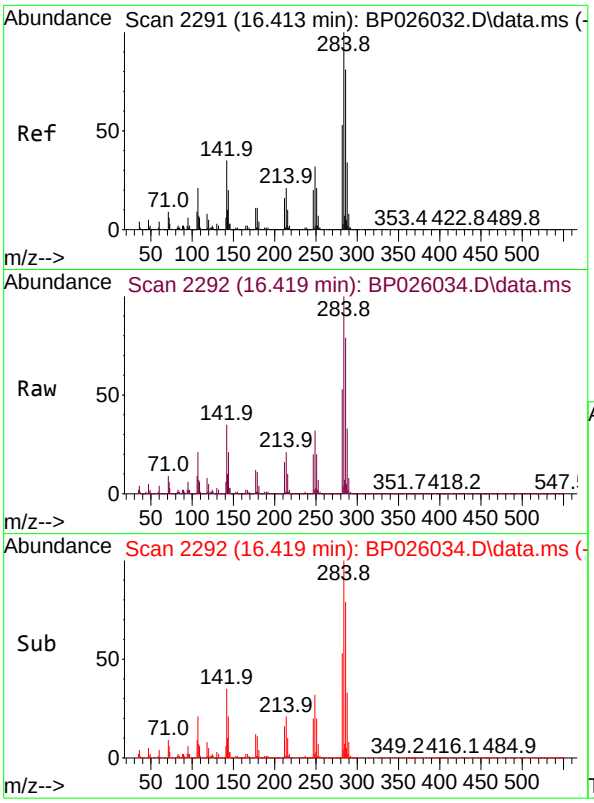


#67
4-Bromophenyl-phenylether
Concen: 64.082 ng
RT: 16.307 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:248 Resp: 1043905

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.4	117.6
141	71.4	58.3	87.5



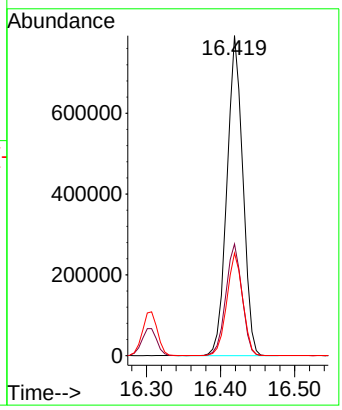


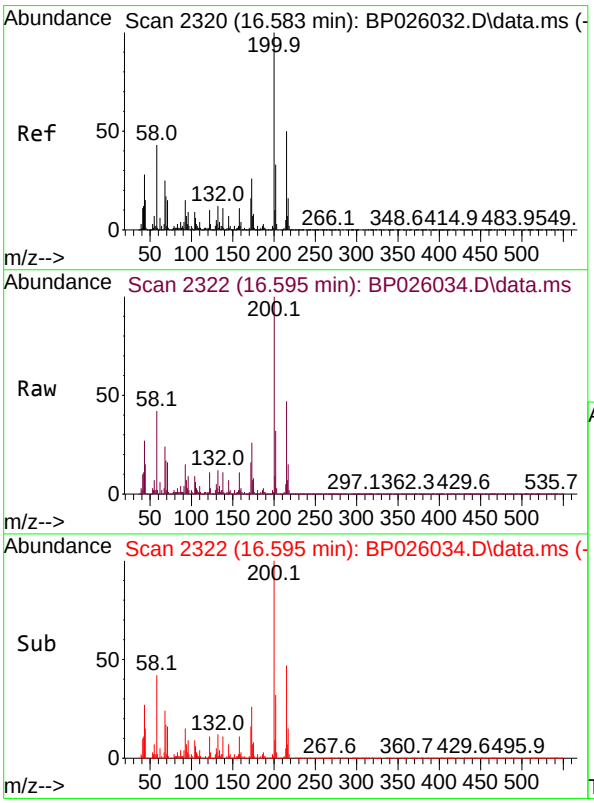
#68
Hexachlorobenzene
Concen: 63.645 ng
RT: 16.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:284 Resp: 1180264

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.7	41.5
249	32.0	25.5	38.3

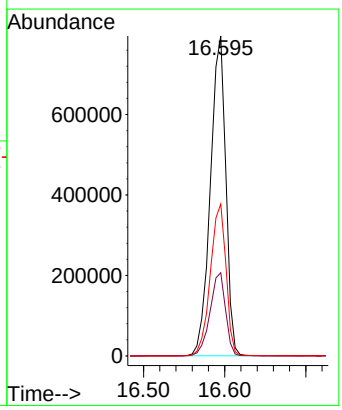


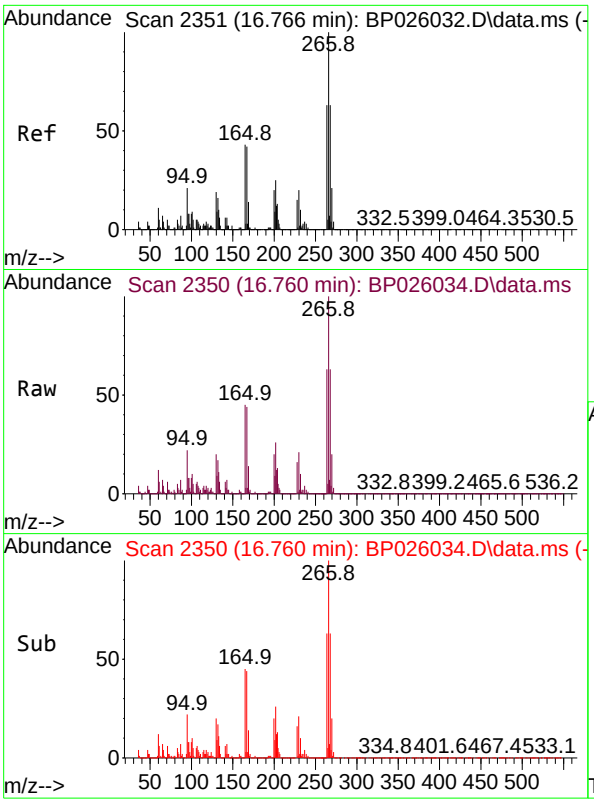


#69
Atrazine
Concen: 67.838 ng
RT: 16.595 min Scan# 2322
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:200 Resp: 1050788

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	47.5	29.8	69.8



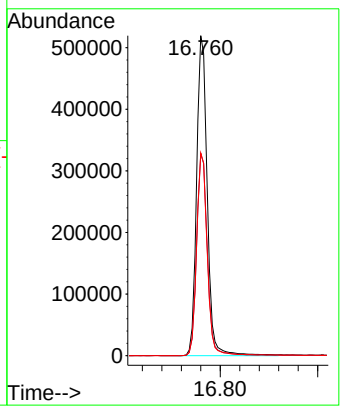


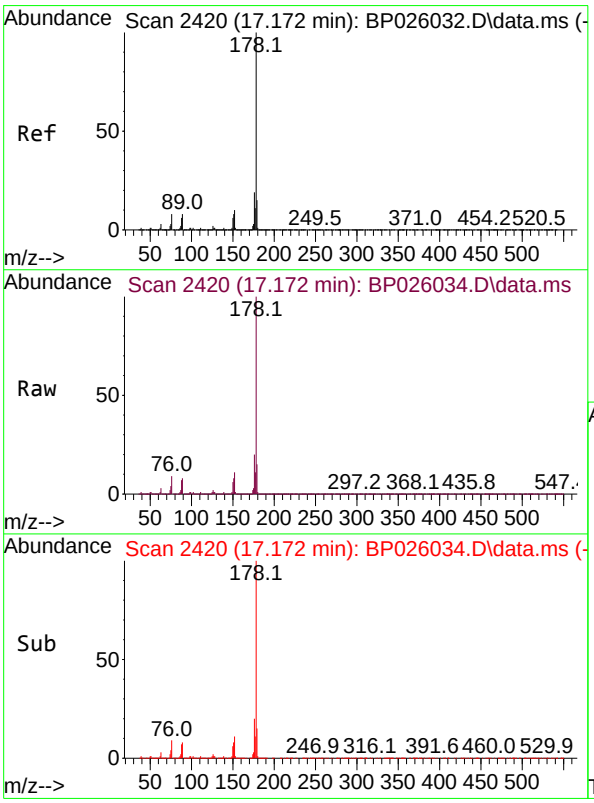
#70
Pentachlorophenol
Concen: 69.166 ng
RT: 16.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 783472

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.6	76.0
264	63.3	50.2	75.4

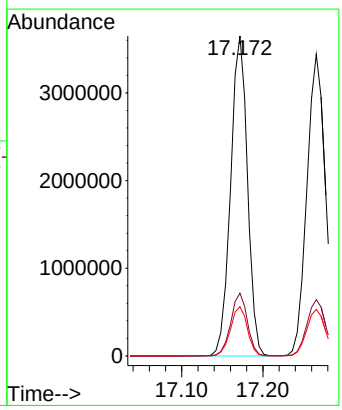


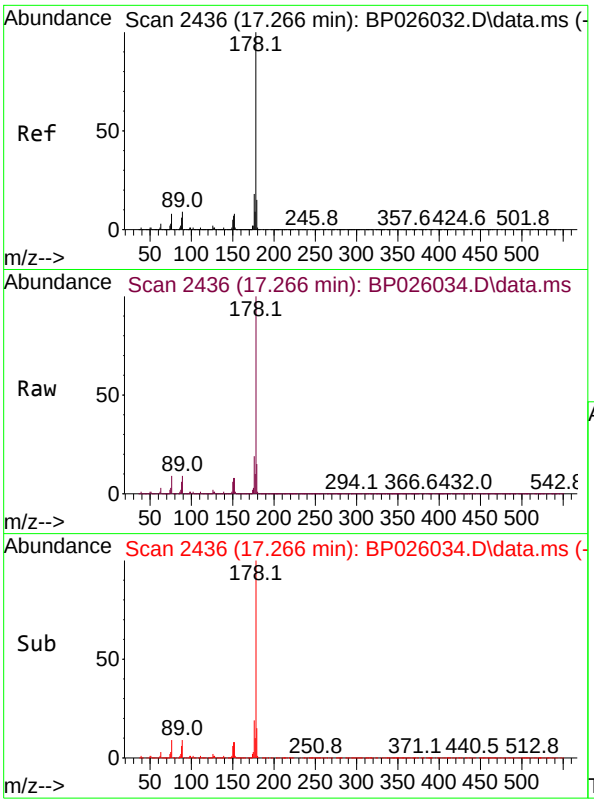


#71
Phenanthrene
Concen: 61.576 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:178 Resp: 5263383

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.3	18.5



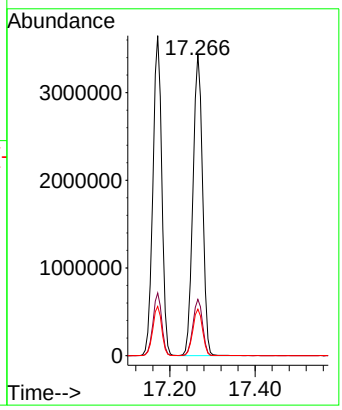


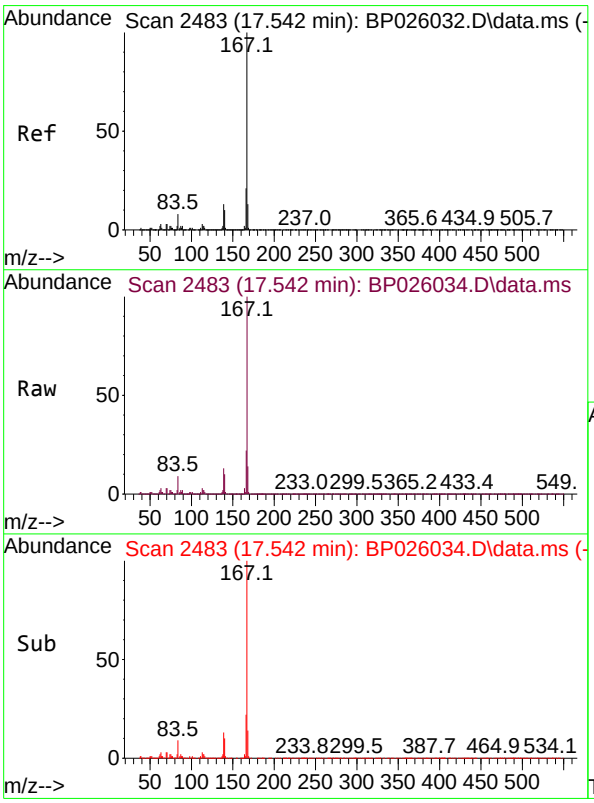
#72
Anthracene
Concen: 63.447 ng
RT: 17.266 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 5375909

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.4

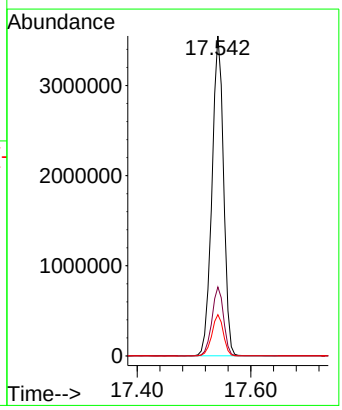


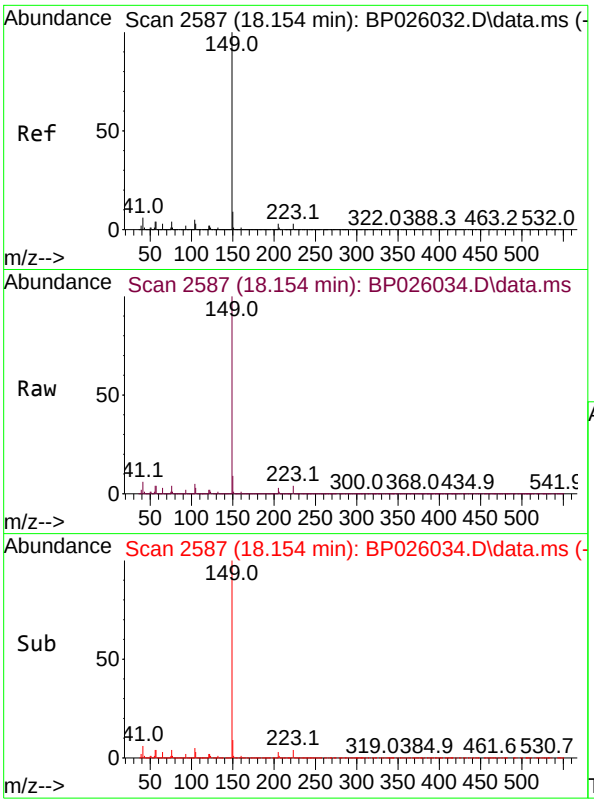


#73
Carbazole
Concen: 63.086 ng
RT: 17.542 min Scan# 2483
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:167 Resp: 5059908

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.9	10.2	15.2



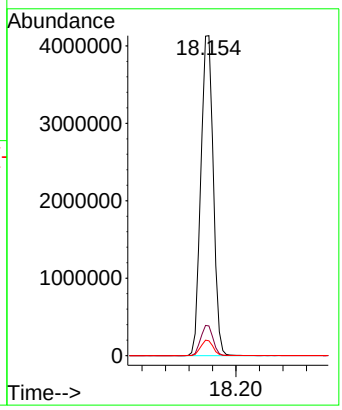


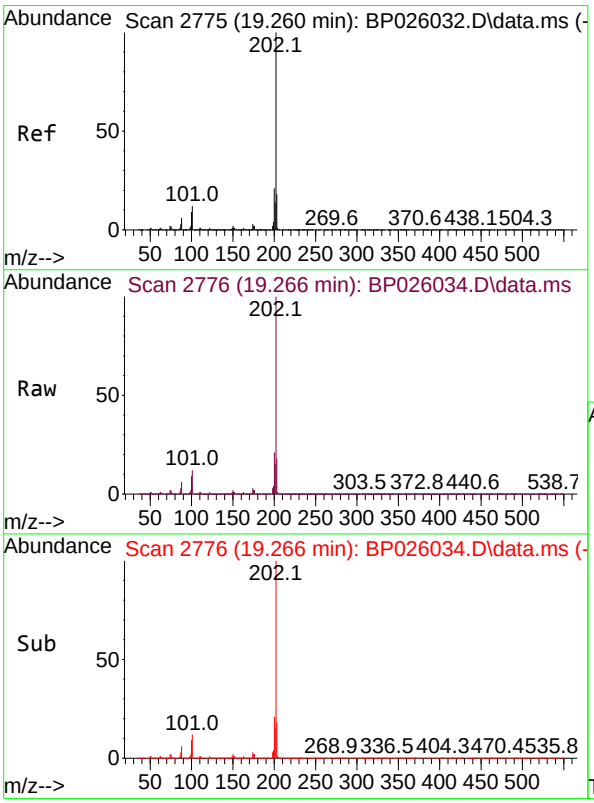
#74
Di-n-butylphthalate
Concen: 67.663 ng
RT: 18.154 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6072603

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.7	3.8	5.6

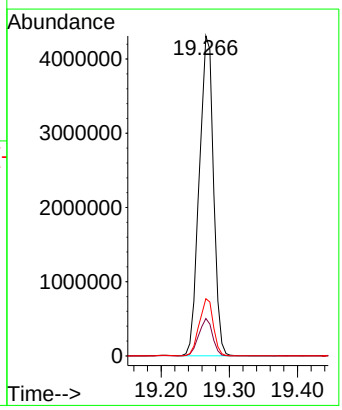


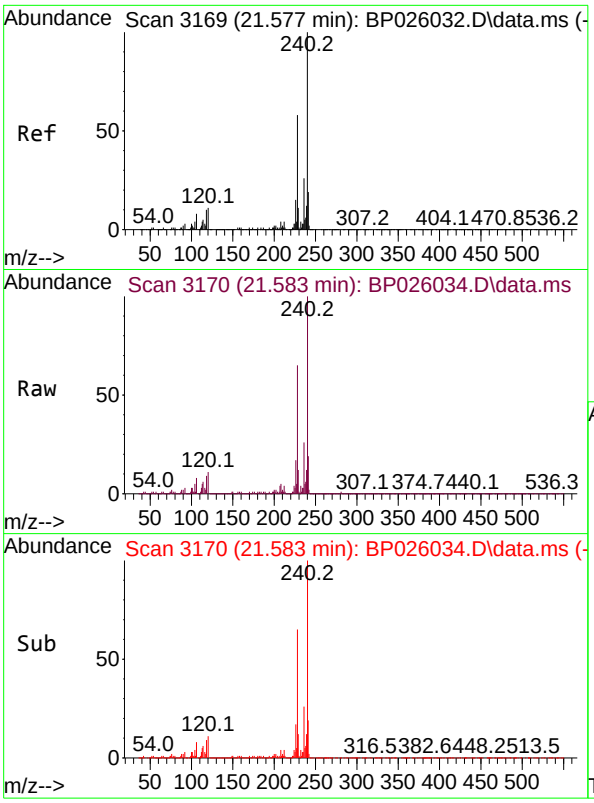


#75
Fluoranthene
Concen: 62.816 ng
RT: 19.266 min Scan# 2776
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:202 Resp: 6263426

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.1
203	17.9	0.0	37.6



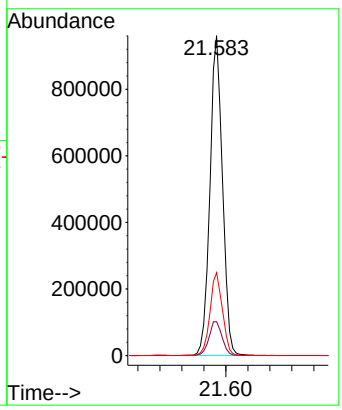


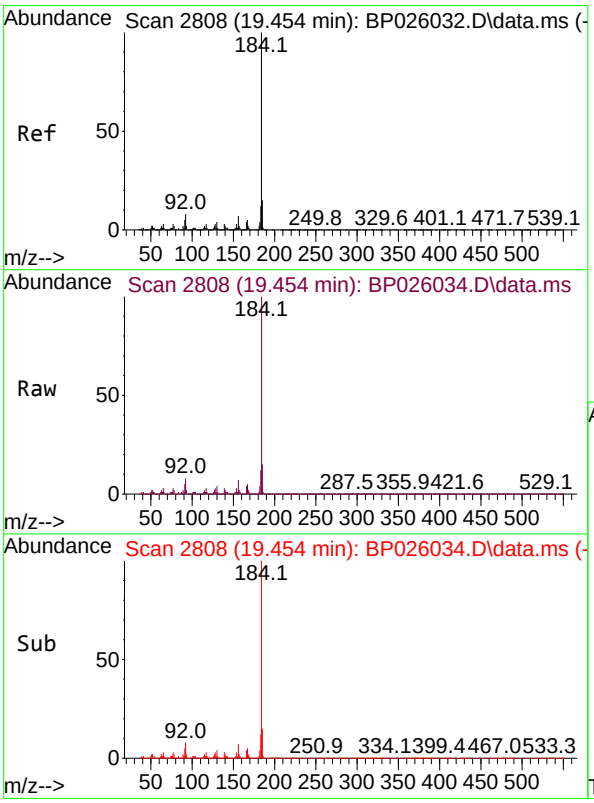
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1519622

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.9	20.6	31.0

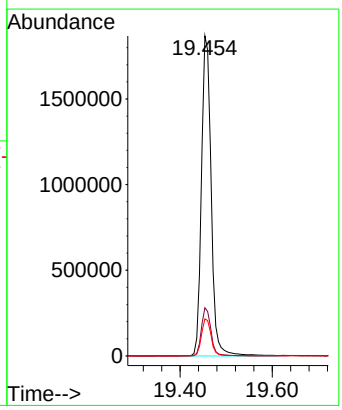


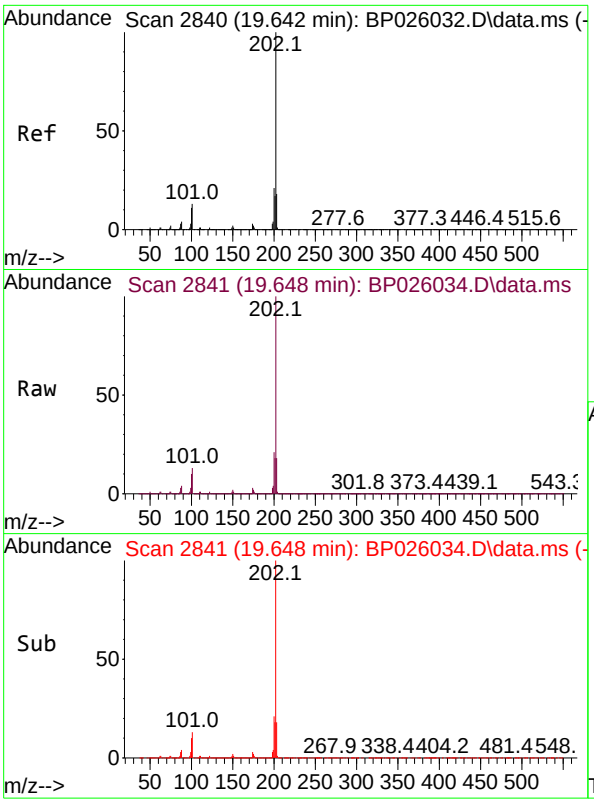


#77
Benzidine
Concen: 70.680 ng
RT: 19.454 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:184 Resp: 2726283

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.9	17.9
183	11.6	9.2	13.8



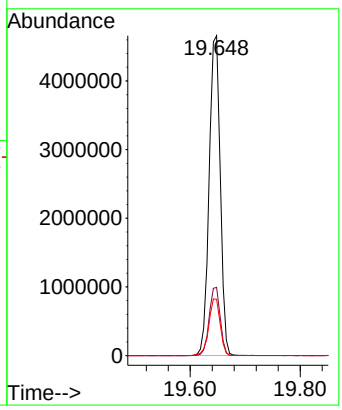


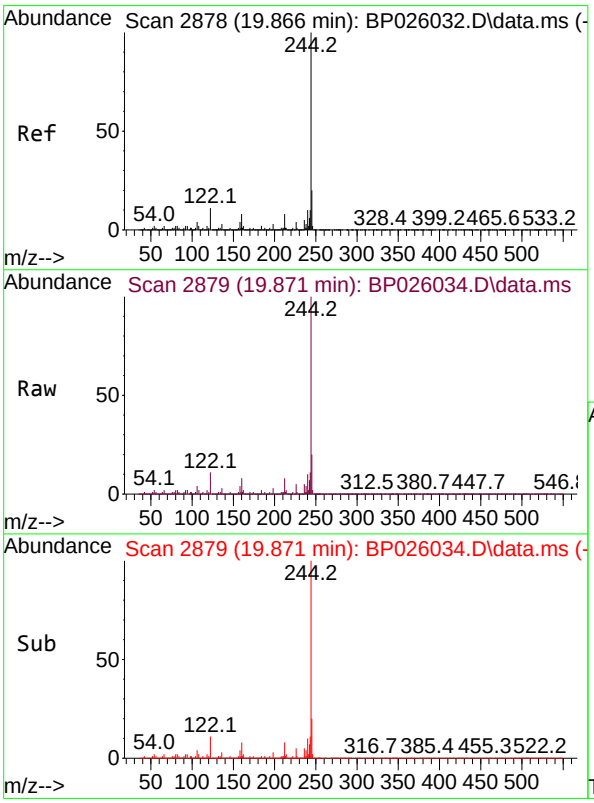
#78
Pyrene
Concen: 63.454 ng
RT: 19.648 min Scan# 28
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6521771

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.6	14.0	21.0

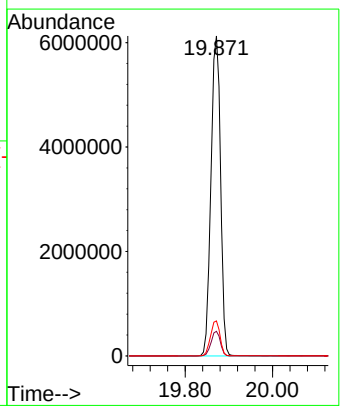


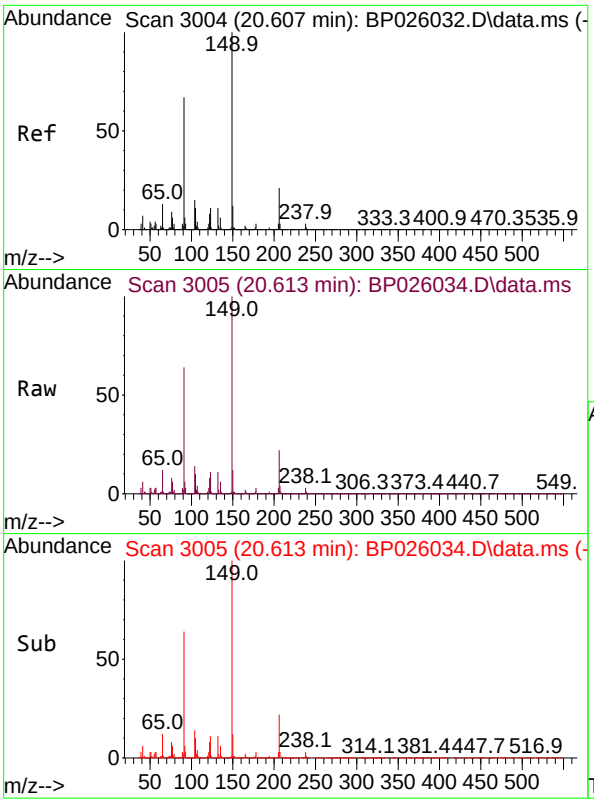


#79
Terphenyl-d14
Concen: 124.204 ng
RT: 19.871 min Scan# 2879
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:244 Resp: 9289969

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	10.9	9.0	13.6



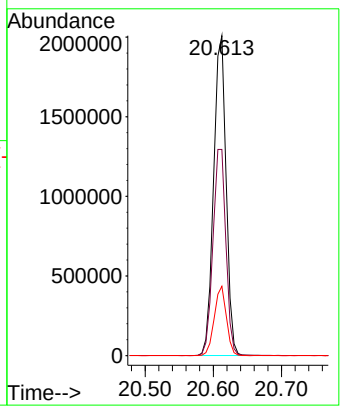


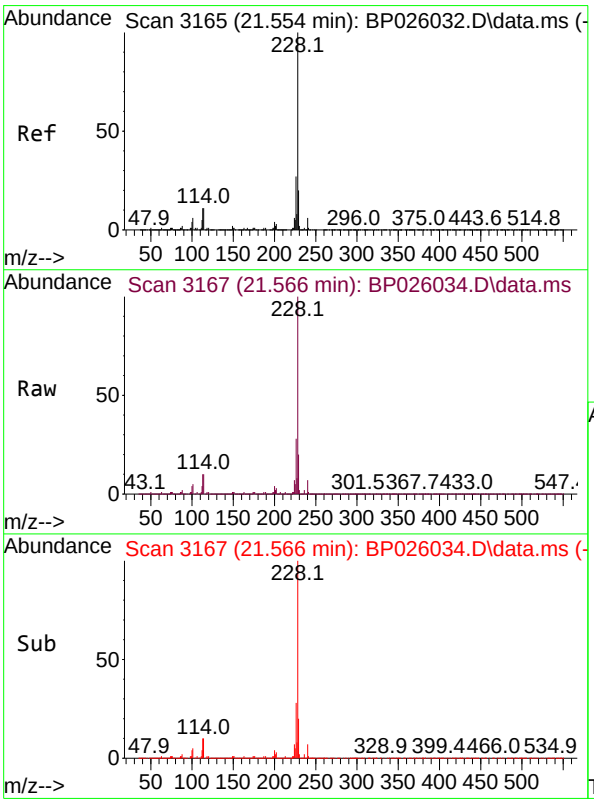
#80
Butylbenzylphthalate
Concen: 65.127 ng
RT: 20.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2549176

Ion	Ratio	Lower	Upper
149	100		
91	64.4	53.5	80.3
206	21.7	16.6	25.0

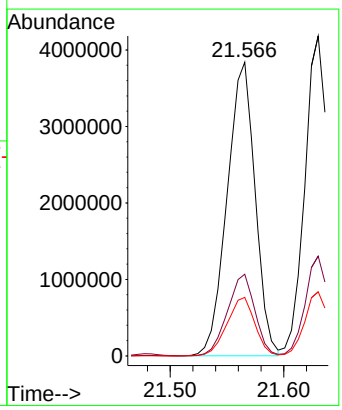


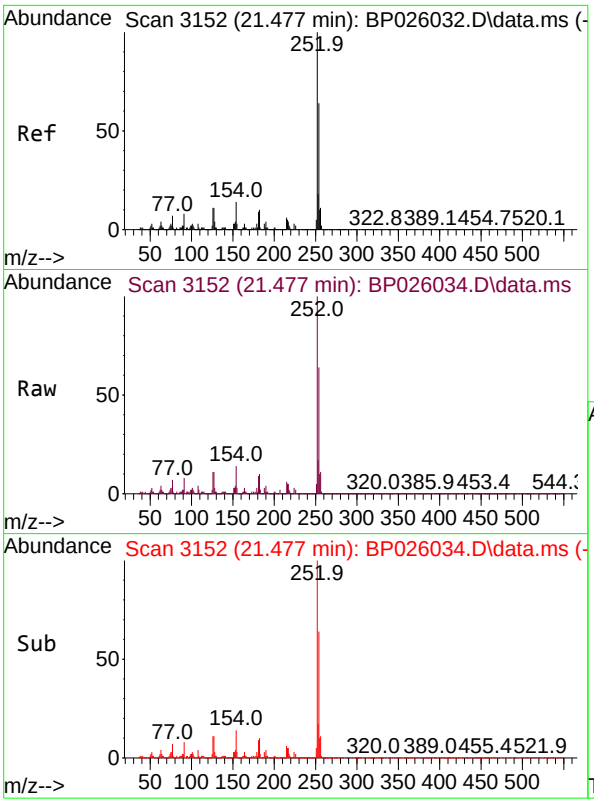


#81
Benzo(a)anthracene
Concen: 62.991 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:228 Resp: 6577757

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	19.9	15.8	23.8



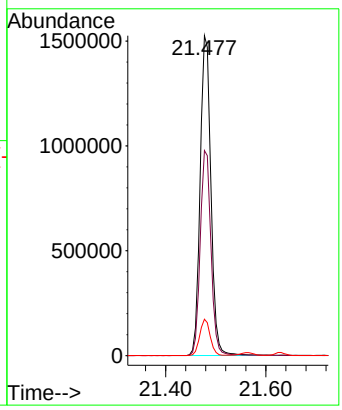


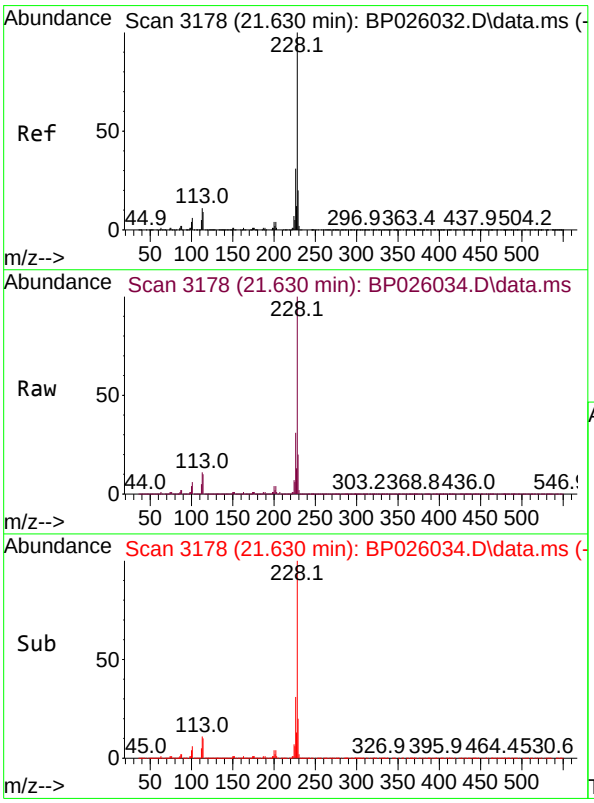
#82
3,3'-Dichlorobenzidine
Concen: 67.371 ng
RT: 21.477 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2266707

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	11.4	9.1	13.7

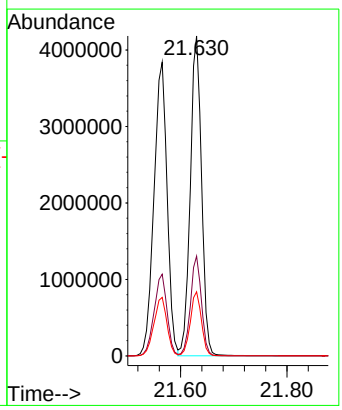


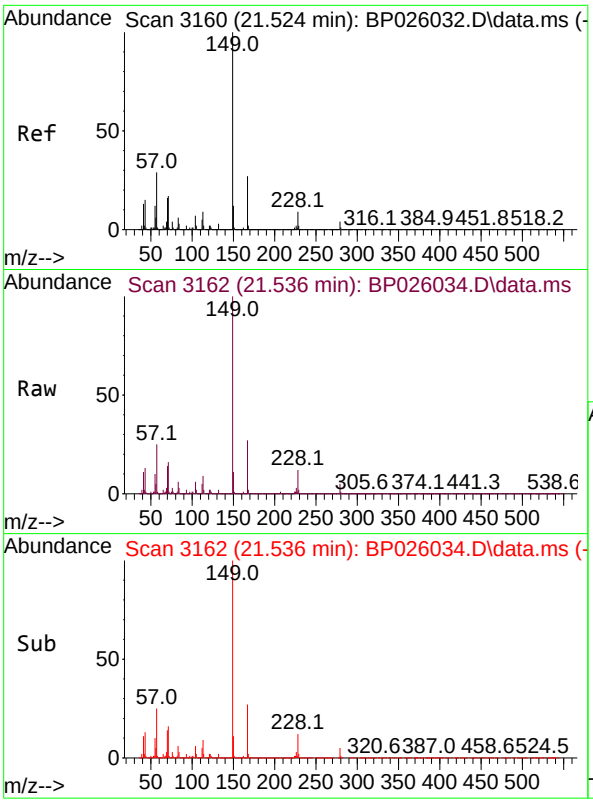


#83
Chrysene
Concen: 62.176 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:228 Resp: 6150315

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	20.0	16.0	24.0



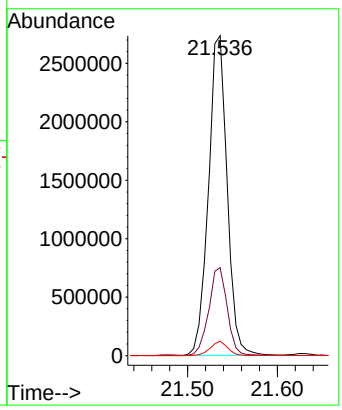


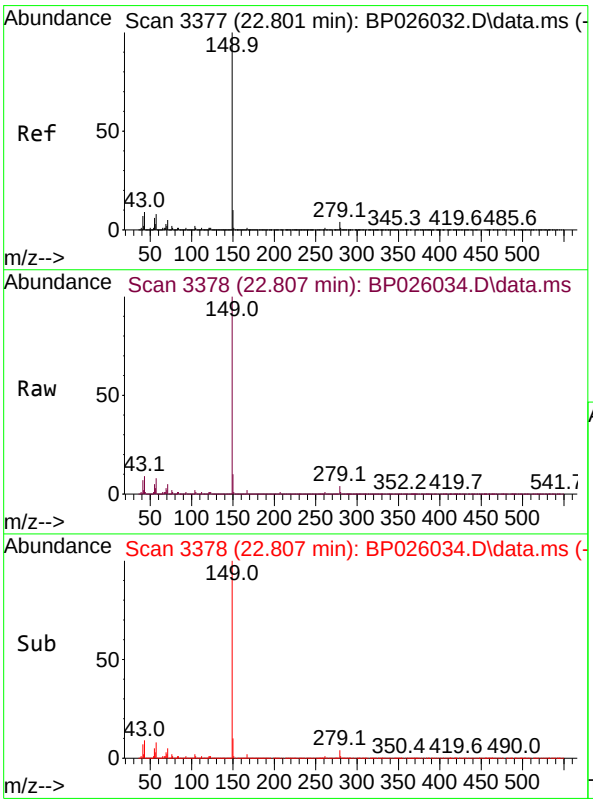
#84
Bis(2-ethylhexyl)phthalate
Concen: 62.903 ng
RT: 21.536 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3949393

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.5	32.3
279	4.5	3.0	4.6

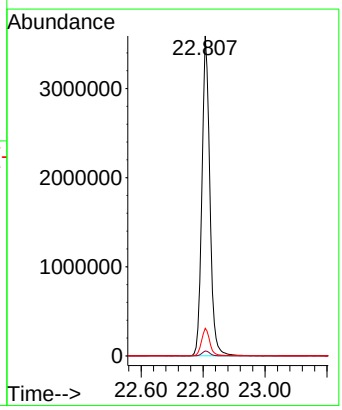


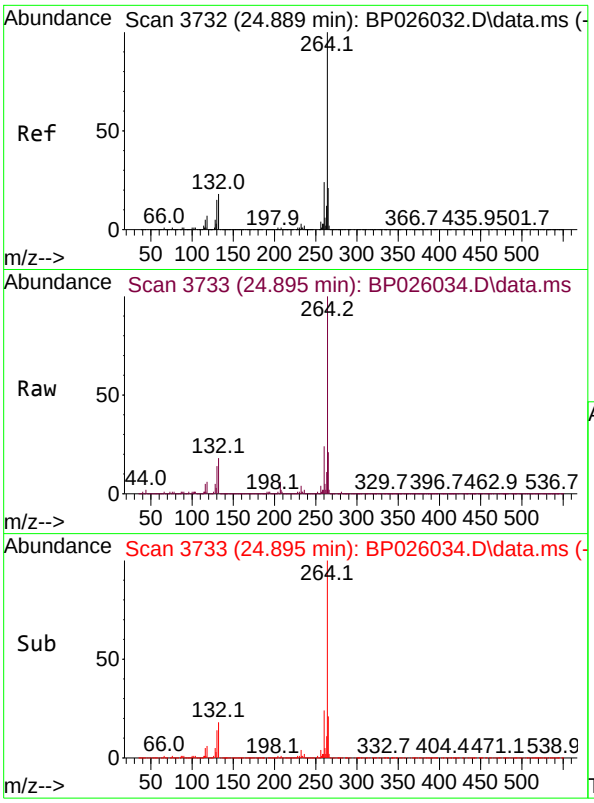


#85
Di-n-octyl phthalate
Concen: 70.922 ng
RT: 22.807 min Scan# 3378
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:149 Resp: 6415656

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.1	7.6	11.4



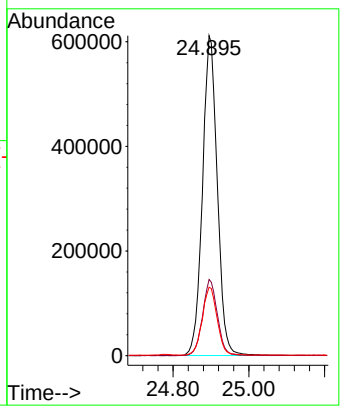


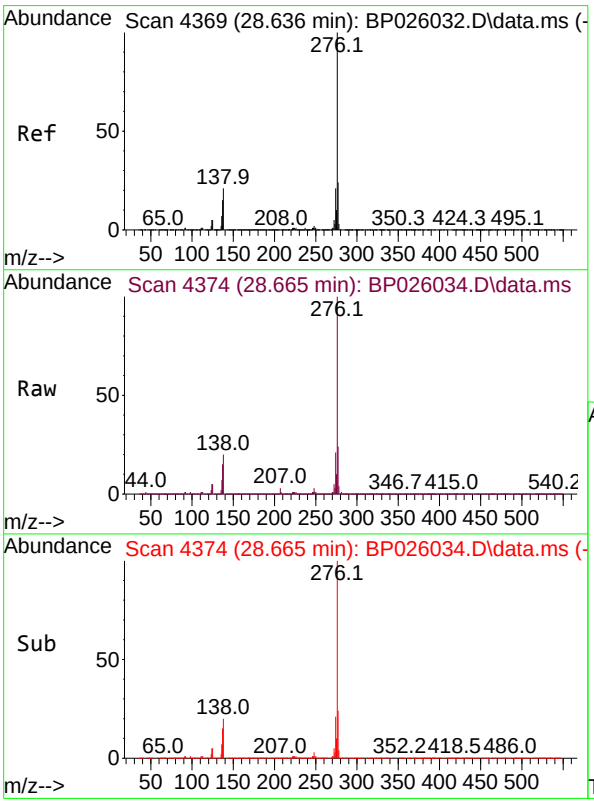
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.895 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1658930

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.4	17.2	25.8

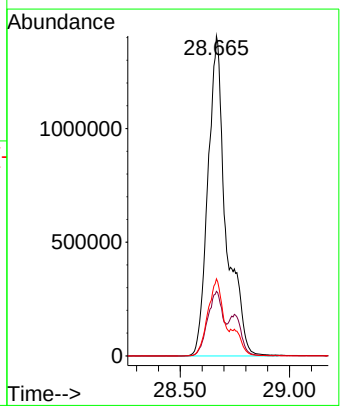


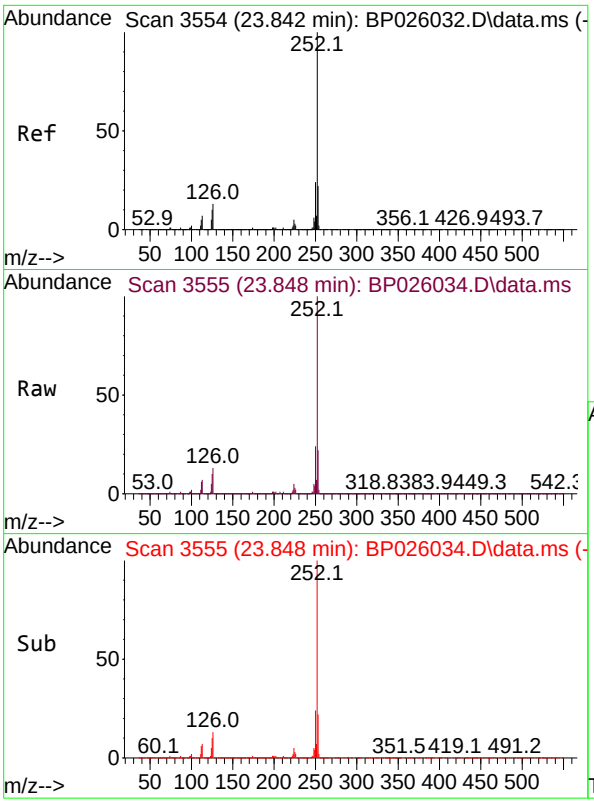


#87
Indeno(1,2,3-cd)pyrene
Concen: 66.237 ng
RT: 28.665 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:276 Resp: 8109098

Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.2	19.8
277	20.2	16.3	24.5



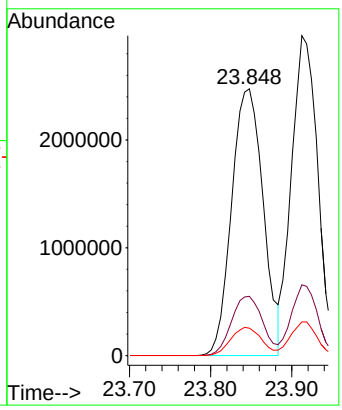


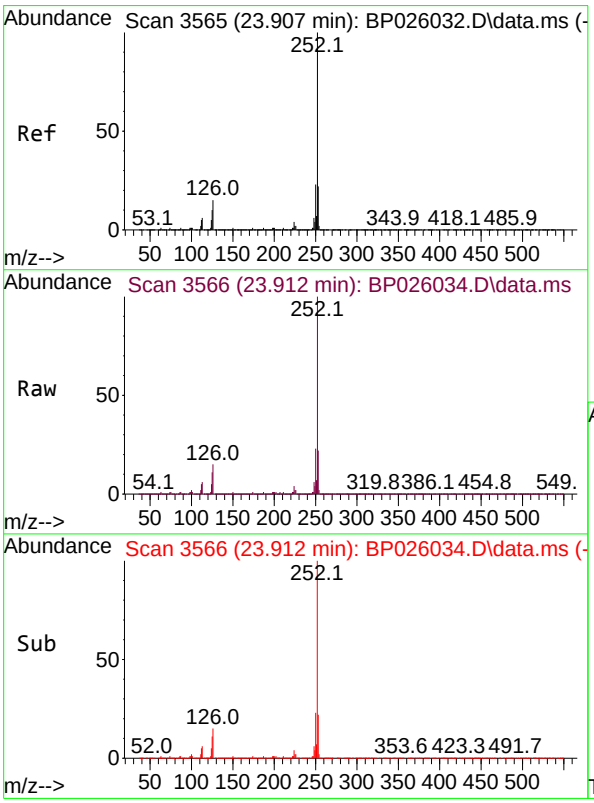
#88
Benzo(b)fluoranthene
Concen: 65.011 ng
RT: 23.848 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6695122

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.1	12.1

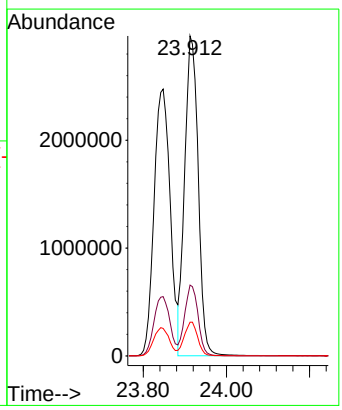


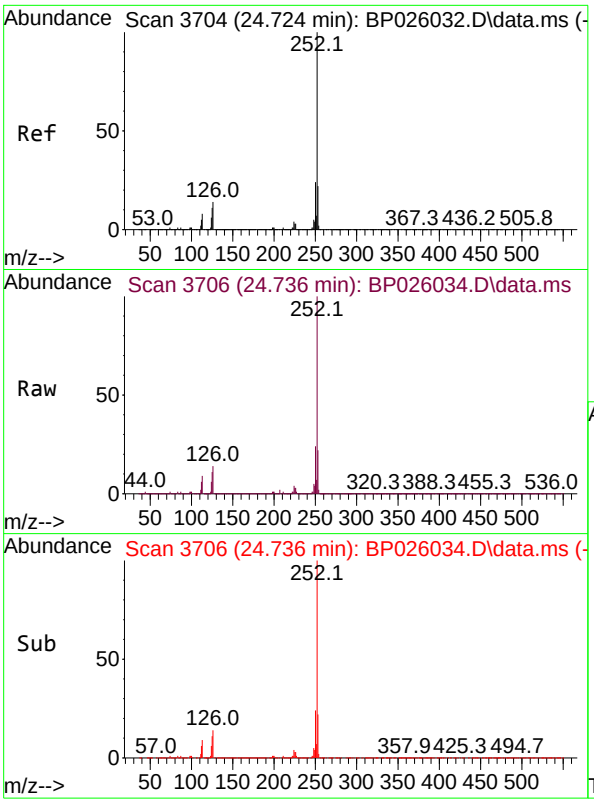


#89
Benzo(k)fluoranthene
Concen: 63.737 ng
RT: 23.912 min Scan# 3566
Delta R.T. -0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:252 Resp: 6702900

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.1	12.1



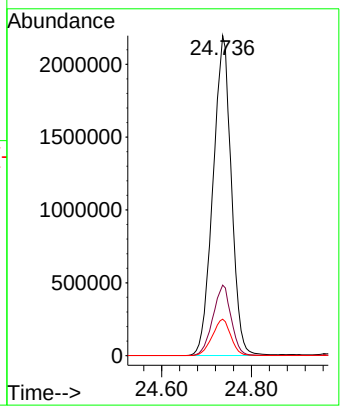


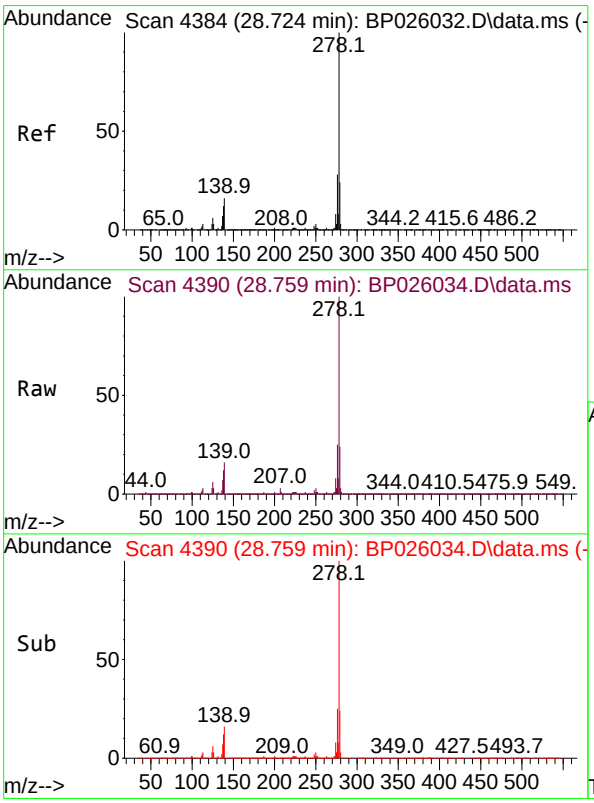
#90
Benzo(a)pyrene
Concen: 65.888 ng
RT: 24.736 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6233786

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.4	9.1	13.7

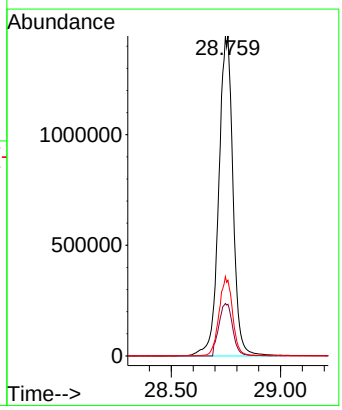


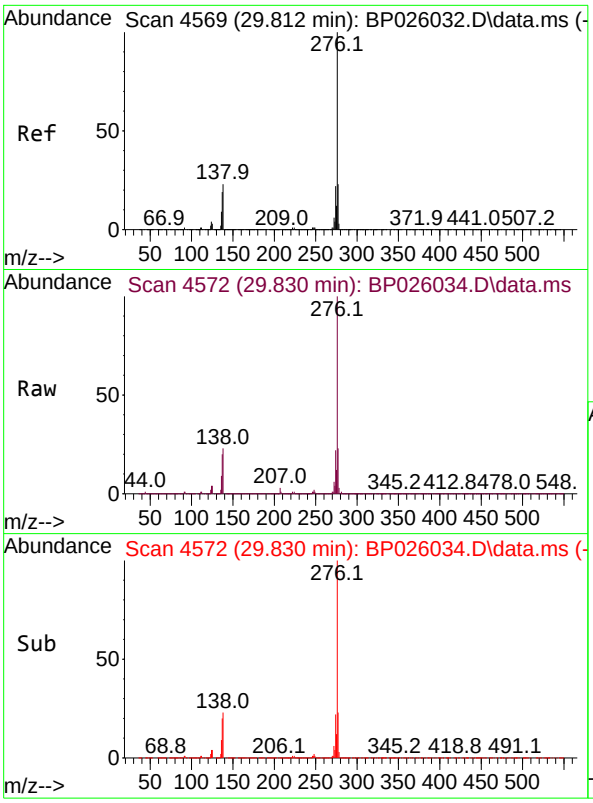


#91
Dibenzo(a,h)anthracene
Concen: 65.929 ng
RT: 28.759 min Scan# 4390
Delta R.T. 0.012 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Tgt Ion:278 Resp: 6571045

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.0	19.6
279	23.6	18.9	28.3



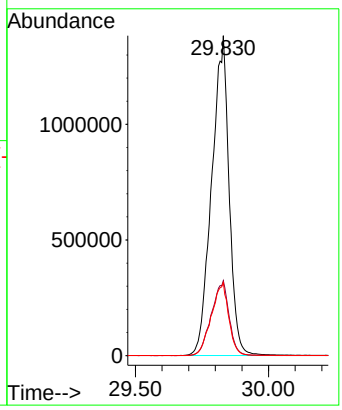


#92
Benzo(g,h,i)perylene
Concen: 65.331 ng
RT: 29.830 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026034.D
Acq: 29 Oct 2025 13:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6265775

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.5	27.7
138	22.8	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	285372	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1176810	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	727864	20.000	ng	0.00
64) Phenanthrene-d10	17.124	188	1454350	20.000	ng	0.00
76) Chrysene-d12	21.565	240	1518010	20.000	ng	0.00
86) Perylene-d12	24.883	264	1693006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2853584	165.001	ng	0.00
7) Phenol-d6	6.854	99	3663018	166.407	ng	0.00
23) Nitrobenzene-d5	8.825	82	3225718	170.878	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	1360572	172.904	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	7610514	150.244	ng	0.00
79) Terphenyl-d14	19.865	244	11030199	147.627	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	581796	79.799	ng	98
3) Pyridine	3.619	79	1683455	81.225	ng	99
4) n-Nitrosodimethylamine	3.537	42	667192	80.319	ng	95
6) Aniline	7.019	93	2386368	81.230	ng	99
8) 2-Chlorophenol	7.254	128	1627396	84.977	ng	98
9) Benzaldehyde	6.831	77	848919	74.188	ng	99
10) Phenol	6.884	94	2009800	82.242	ng	99
11) bis(2-Chloroethyl)ether	7.119	93	1555565	80.659	ng	99
12) 1,3-Dichlorobenzene	7.578	146	1739151	79.076	ng	99
13) 1,4-Dichlorobenzene	7.725	146	1760668	79.178	ng	100
14) 1,2-Dichlorobenzene	8.031	146	1691085	79.697	ng	100
15) Benzyl Alcohol	7.913	79	1329833	83.801	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.201	45	2262252	77.614	ng	99
17) 2-Methylphenol	8.113	107	1342933	83.922	ng	99
18) Hexachloroethane	8.760	117	623268	81.910	ng	99
19) n-Nitroso-di-n-propyla...	8.490	70	1125887	82.397	ng	97
20) 3+4-Methylphenols	8.443	107	1820304	81.769	ng	99
22) Acetophenone	8.495	105	2326587	78.173	ng	99
24) Nitrobenzene	8.866	77	1665956	83.585	ng	99
25) Isophorone	9.390	82	3260235	80.688	ng	100
27) 2,4-Dimethylphenol	9.631	122	1434677	84.436	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	2010418	78.950	ng	99
29) 2,4-Dichlorophenol	10.095	162	1524906	84.998	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1545459	79.255	ng	99
31) Naphthalene	10.501	128	5003853	77.974	ng	99
32) Benzoic acid	9.778	122	1000336	79.140	ng	97
33) 4-Chloroaniline	10.595	127	2008519	81.448	ng	99
34) Hexachlorobutadiene	10.795	225	976216	78.780	ng	99
35) Caprolactam	11.384	113	526808	83.619	ng	94
36) 4-Chloro-3-methylphenol	11.731	107	1587177	84.393	ng	99
37) 2-Methylnaphthalene	12.113	142	3532026	78.637	ng	99
38) 1-Methylnaphthalene	12.336	142	3416923	78.306	ng	99
40) 1,2,4,5-Tetrachloroben...	12.489	216	1802921	79.720	ng	100
41) Hexachlorocyclopentadiene	12.478	237	732085	88.474	ng	96
43) 2,4,6-Trichlorophenol	12.725	196	1201855	89.908	ng	100
44) 2,4,5-Trichlorophenol	12.795	196	1327296	87.017	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.136	154	4347017	77.997	ng	100
47) 2-Chloronaphthalene	13.172	162	3434628	78.326	ng	100
48) 2-Nitroaniline	13.378	65	958497	84.358	ng	96
49) Acenaphthylene	14.036	152	5073069	79.376	ng	100
50) Dimethylphthalate	13.772	163	4187309	79.090	ng	100
51) 2,6-Dinitrotoluene	13.878	165	834638	83.478	ng	99
52) Acenaphthene	14.383	154	3469946	79.085	ng	99
53) 3-Nitroaniline	14.207	138	995927	81.547	ng	99
54) 2,4-Dinitrophenol	14.419	184	366262	79.098	ng	96
55) Dibenzofuran	14.725	168	5170871	78.003	ng	100
56) 4-Nitrophenol	14.519	139	875195	82.900	ng	100
57) 2,4-Dinitrotoluene	14.678	165	1218227	83.983	ng	98
58) Fluorene	15.383	166	3839303	73.925	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	1077698	89.860	ng	100
60) Diethylphthalate	15.166	149	4232388	79.517	ng	100
61) 4-Chlorophenyl-phenyle...	15.389	204	1914592	73.822	ng	99
62) 4-Nitroaniline	15.401	138	986852	87.229	ng	97
63) Azobenzene	15.689	77	3723361	77.187	ng	98
65) 4,6-Dinitro-2-methylph...	15.454	198	556384	78.914	ng	97
66) n-Nitrosodiphenylamine	15.601	169	3556221	78.206	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	1290917	80.020	ng	98
68) Hexachlorobenzene	16.419	284	1439069	78.359	ng	99
69) Atrazine	16.583	200	1256682	81.924	ng	98
70) Pentachlorophenol	16.766	266	990090	88.261	ng	99
71) Phenanthrene	17.172	178	6425576	75.907	ng	99
72) Anthracene	17.260	178	6487799	77.318	ng	99
73) Carbazole	17.536	167	6270446	78.943	ng	99
74) Di-n-butylphthalate	18.154	149	7283617	81.950	ng	99
75) Fluoranthene	19.260	202	7531112	76.268	ng	99
77) Benzidine	19.454	184	3400762	88.260	ng	99
78) Pyrene	19.636	202	7955581	77.487	ng	99
80) Butylbenzylphthalate	20.607	149	3160394	80.010	ng	99
81) Benzo(a)anthracene	21.548	228	8199298	78.602	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2837103	84.414	ng	100
83) Chrysene	21.618	228	7696535	77.890	ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	4903538	77.525	ng	99
85) Di-n-octyl phthalate	22.801	149	8284794	91.682	ng	99
87) Indeno(1,2,3-cd)pyrene	28.659	276	10532958m	84.304	ng	
88) Benzo(b)fluoranthene	23.848	252	8542978	81.284	ng	100
89) Benzo(k)fluoranthene	23.924	252	8579950	79.943	ng	99
90) Benzo(a)pyrene	24.742	252	8034864	83.215	ng	99
91) Dibenzo(a,h)anthracene	28.747	278	8497246	83.540	ng	99
92) Benzo(g,h,i)perylene	29.830	276	8153149	83.299	ng	99

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

ICAL Form

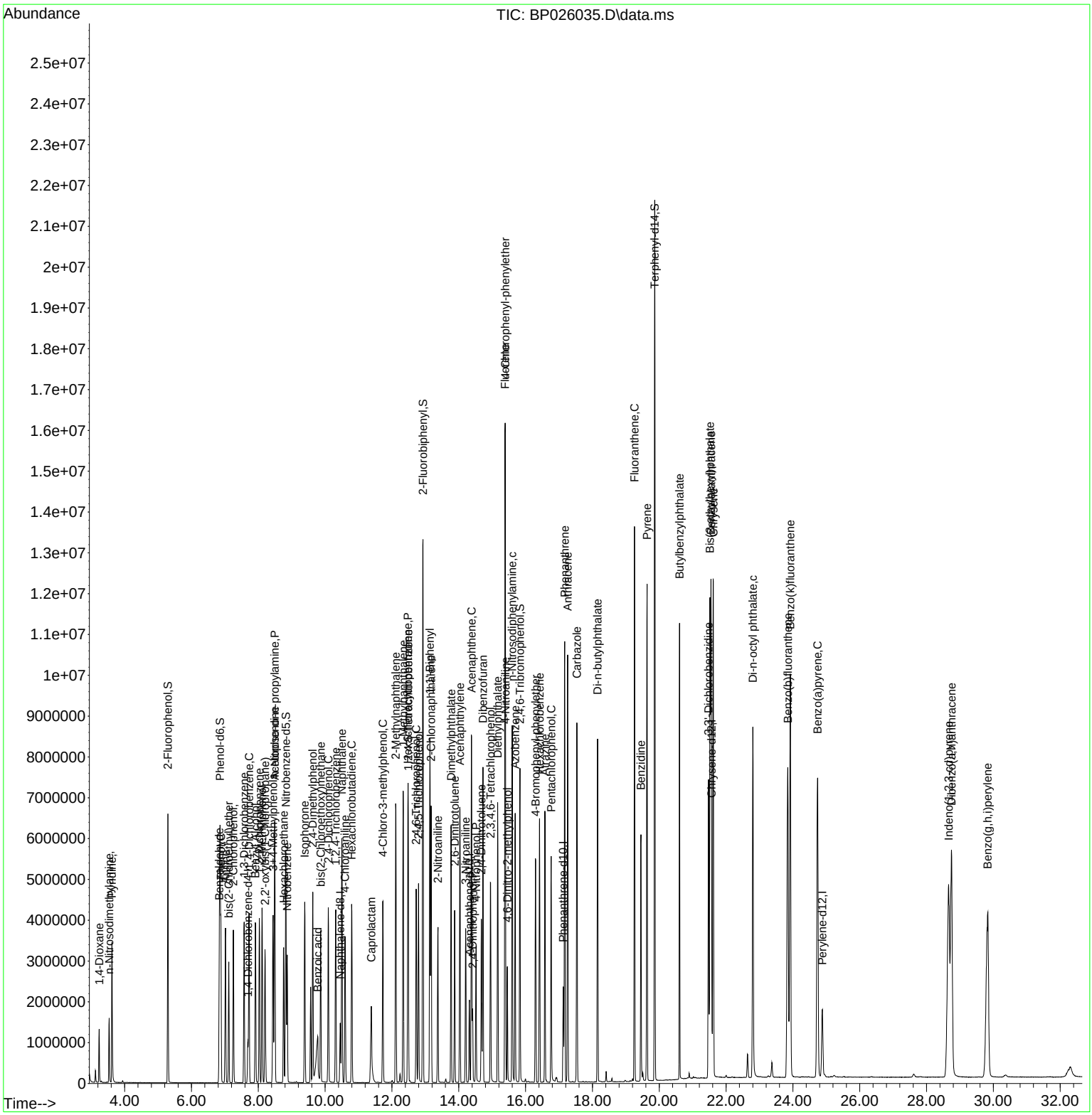
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

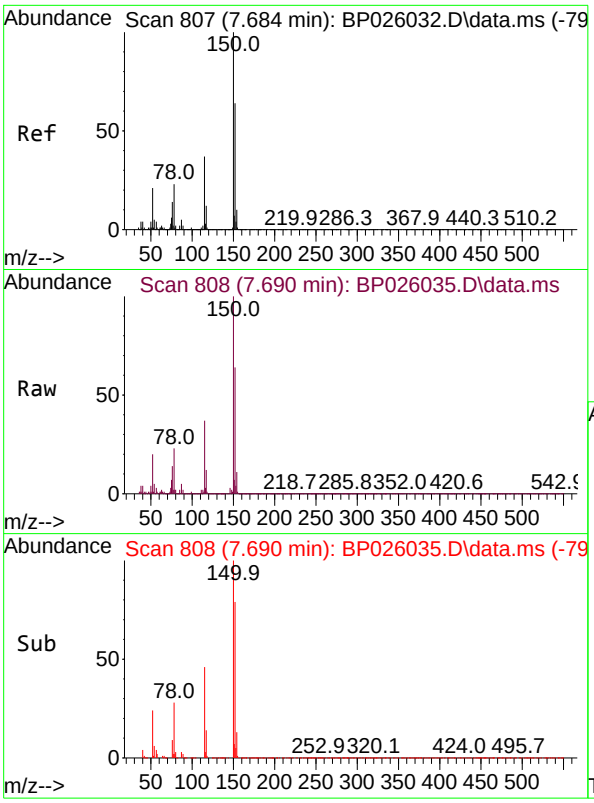
Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

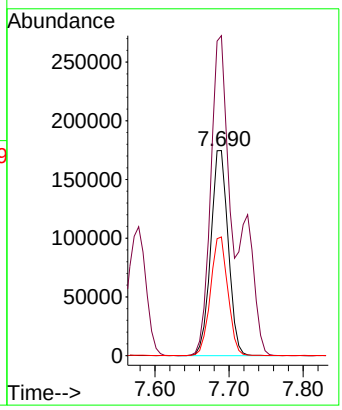




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.690 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:152 Resp: 28537

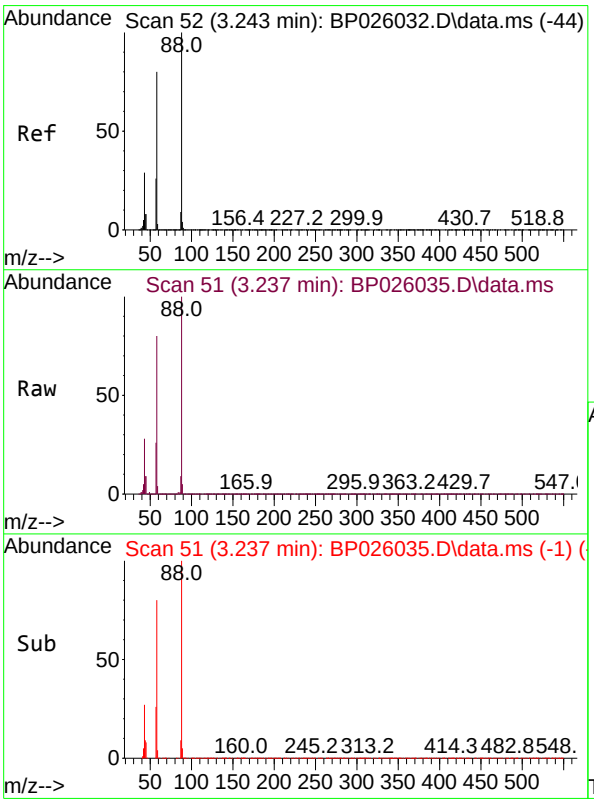
Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.7	188.5
115	57.9	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

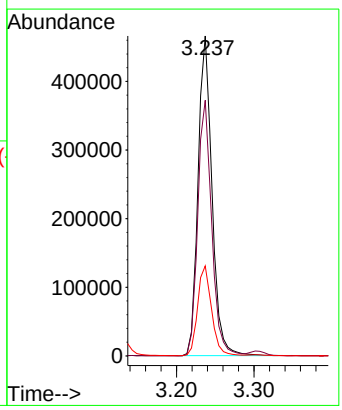
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

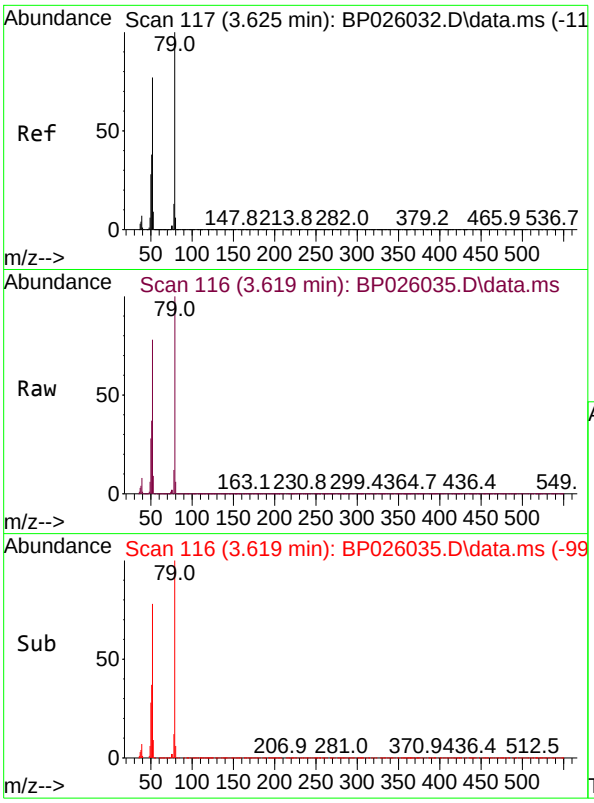


#2
1,4-Dioxane
Concen: 79.799 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 88 Resp: 581796

Ion	Ratio	Lower	Upper
88	100		
58	80.1	65.4	98.0
43	28.1	23.1	34.7

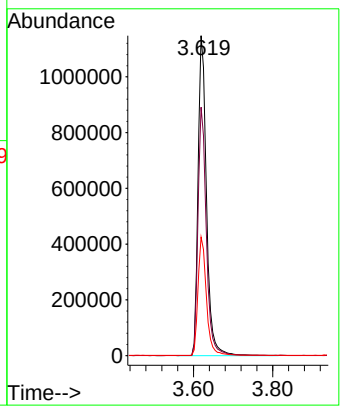




#3
Pyridine
Concen: 81.225 ng
RT: 3.619 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 79 Resp: 168345

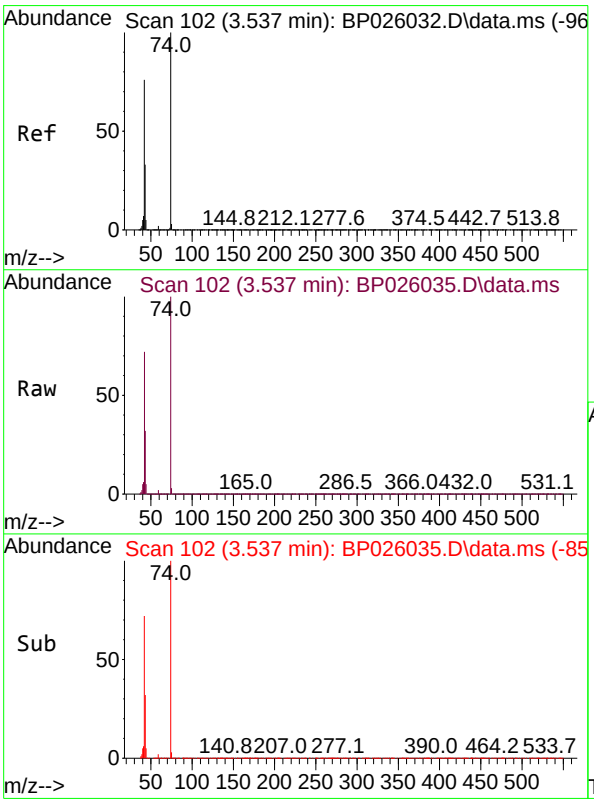
Ion	Ratio	Lower	Upper
79	100		
52	77.6	62.0	93.0
51	37.0	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

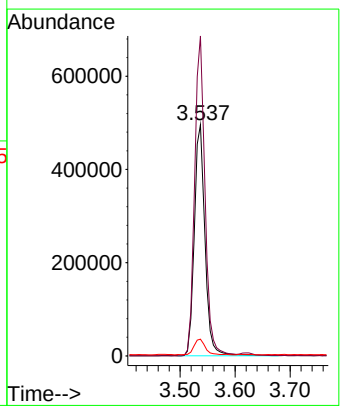
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

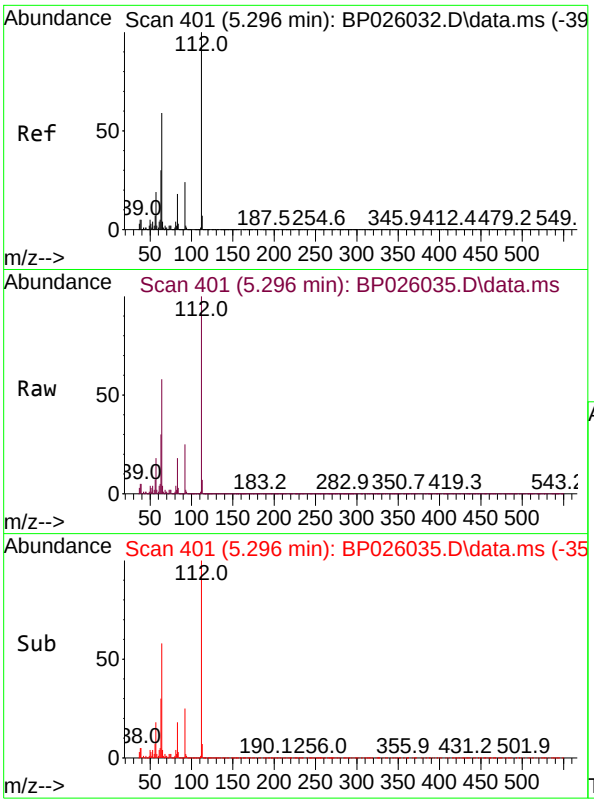


#4
n-Nitrosodimethylamine
Concen: 80.319 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 42 Resp: 667192

Ion	Ratio	Lower	Upper
42	100		
74	138.5	105.7	158.5
44	7.2	6.6	9.8

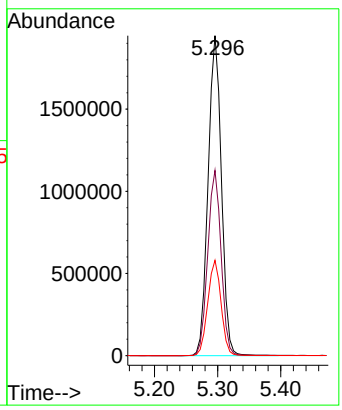




#5
2-Fluorophenol
Concen: 165.001 ng
RT: 5.296 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:112 Resp: 285358

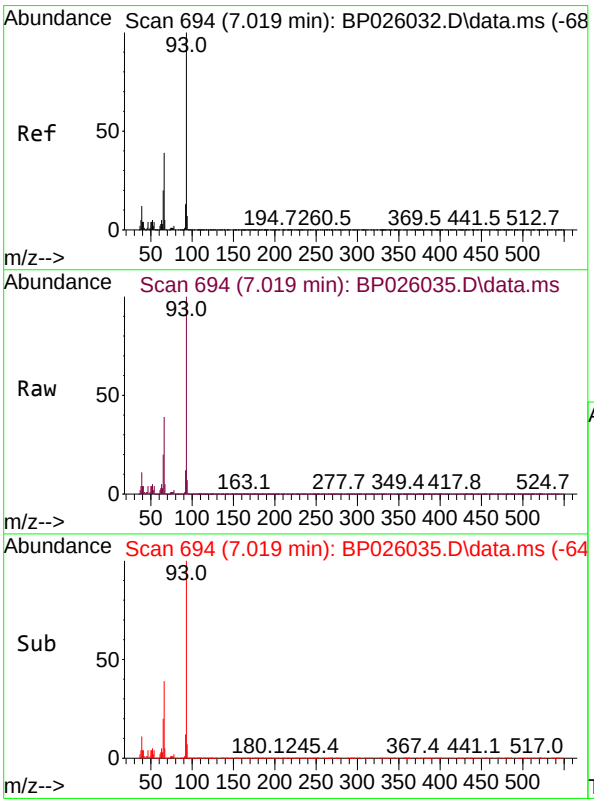
Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.4	71.2
63	29.8	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

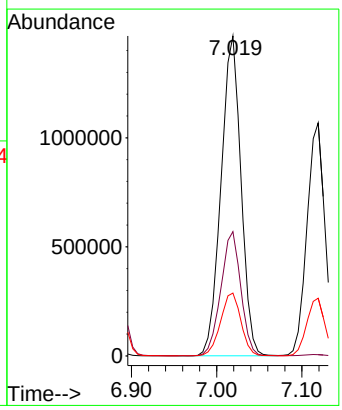
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

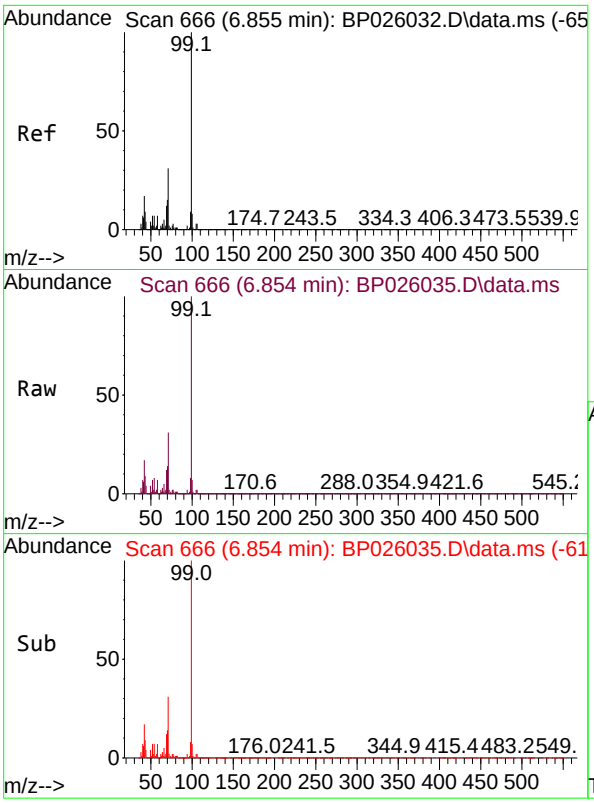


#6
Aniline
Concen: 81.230 ng
RT: 7.019 min Scan# 694
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 2386368

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.2	46.8
65	19.6	16.1	24.1

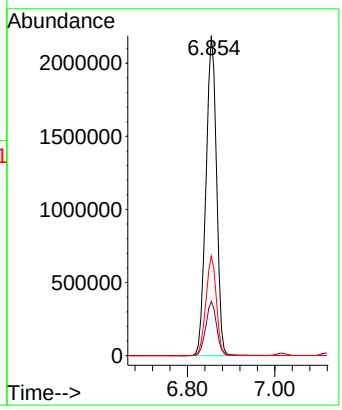




#7
Phenol-d6
Concen: 166.407 ng
RT: 6.854 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 99 Resp: 366301

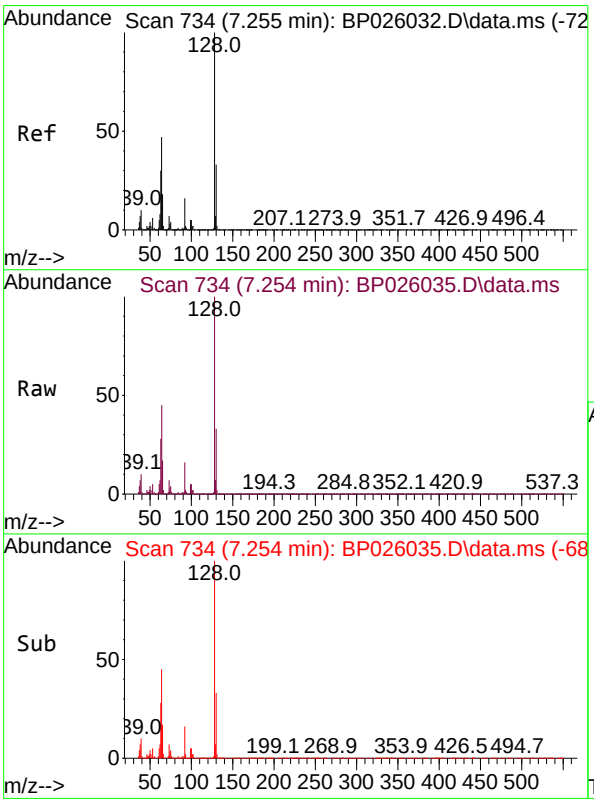
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	31.1	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

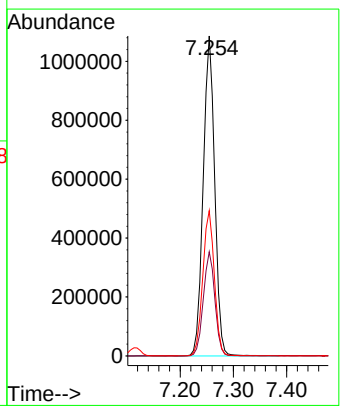
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

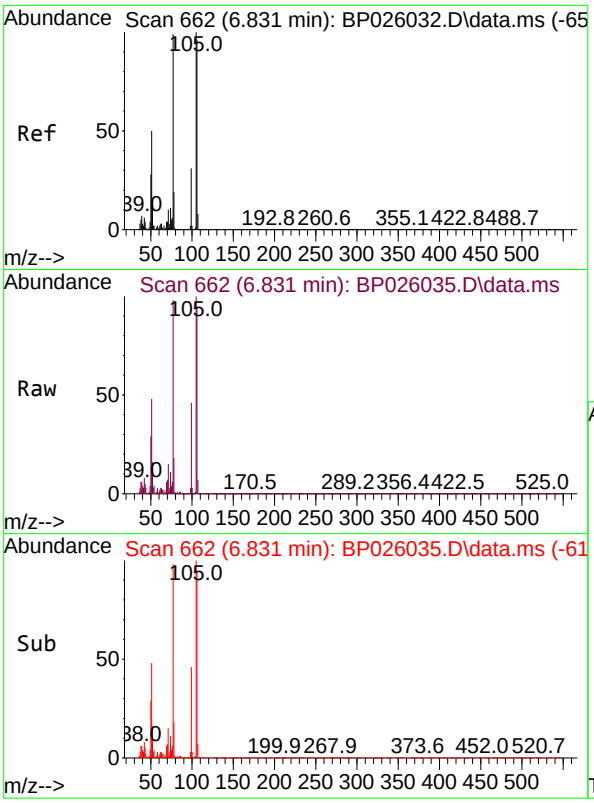


#8
2-Chlorophenol
Concen: 84.977 ng
RT: 7.254 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:128 Resp: 1627396

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	45.4	27.4	67.4

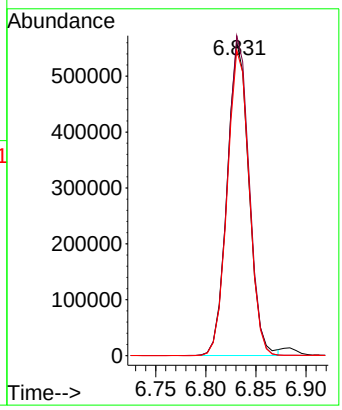




#9
Benzaldehyde
Concen: 74.188 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 84891

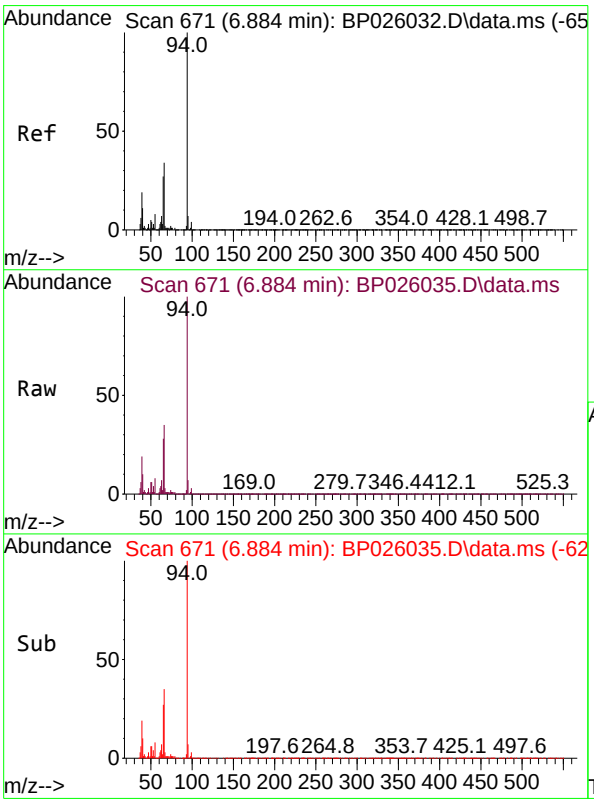
Ion	Ratio	Lower	Upper
77	100		
105	102.0	80.7	120.7
106	97.3	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

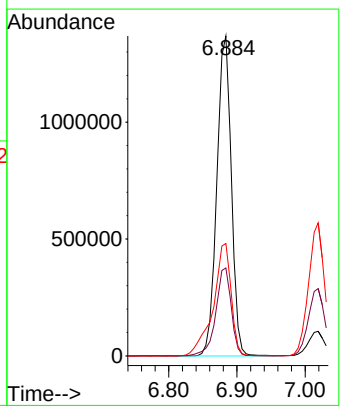
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

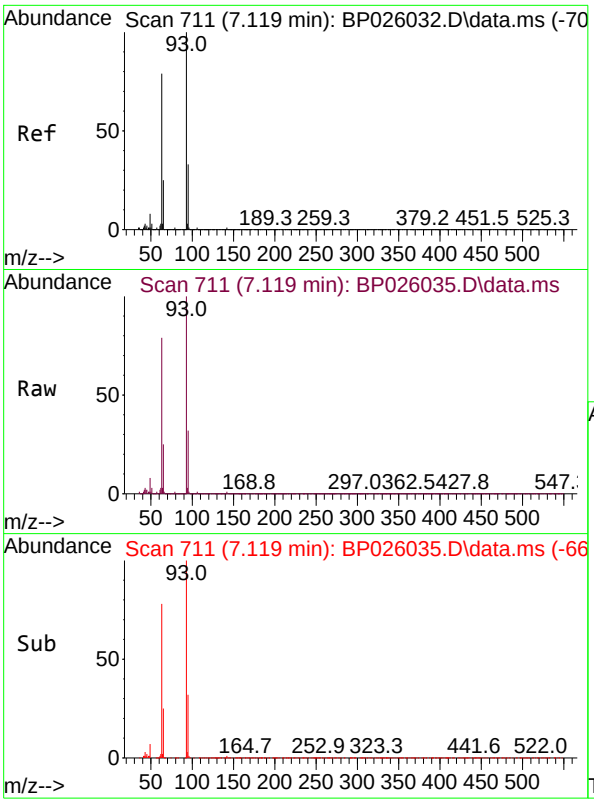


#10
Phenol
Concen: 82.242 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 94 Resp: 2009800

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.1	47.1
66	35.1	14.4	54.4

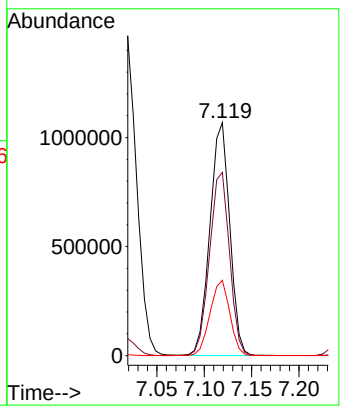




#11
bis(2-Chloroethyl)ether
Concen: 80.659 ng
RT: 7.119 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 155556

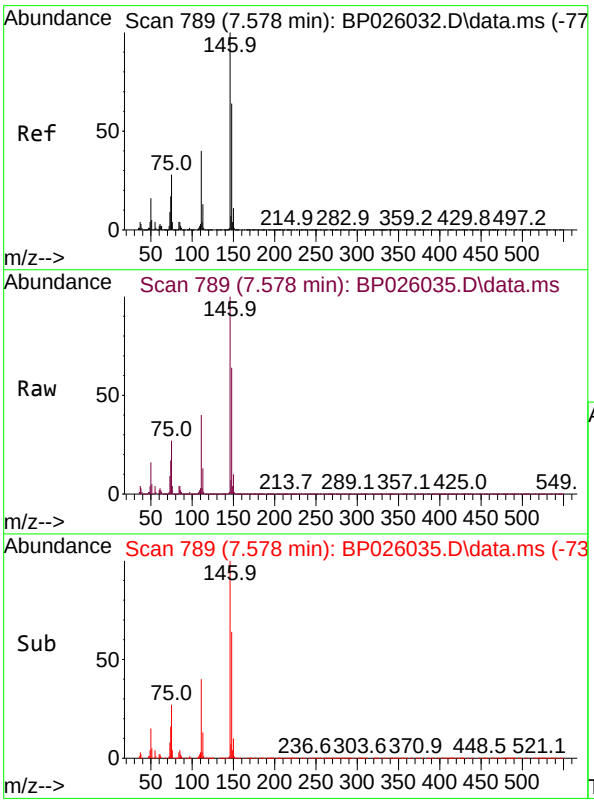
Ion	Ratio	Lower	Upper
93	100		
63	78.7	59.1	99.1
95	32.3	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

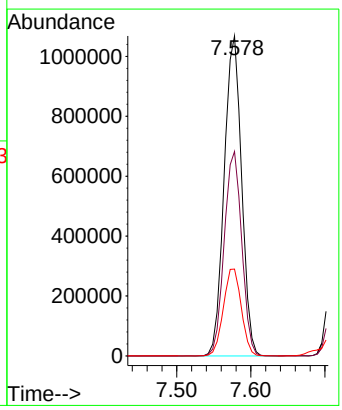
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

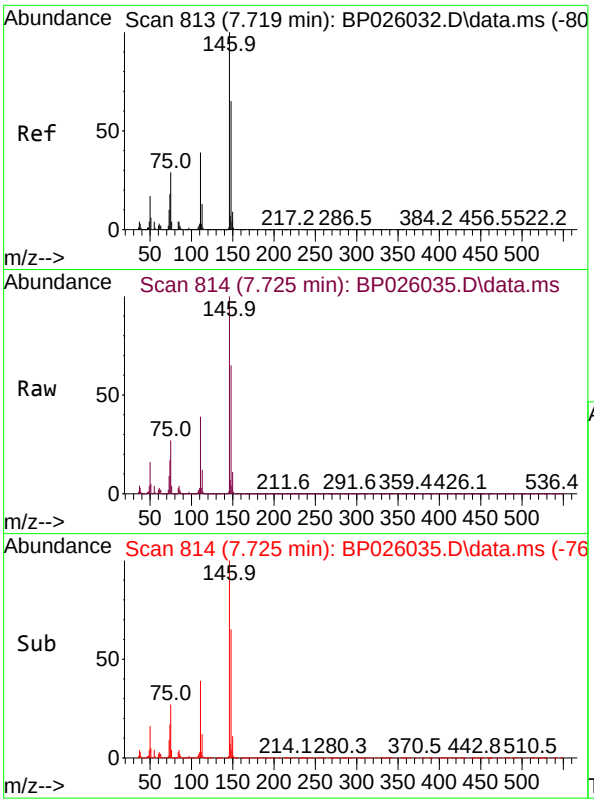


#12
1,3-Dichlorobenzene
Concen: 79.076 ng
RT: 7.578 min Scan# 789
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 1739151

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	27.1	22.6	33.8

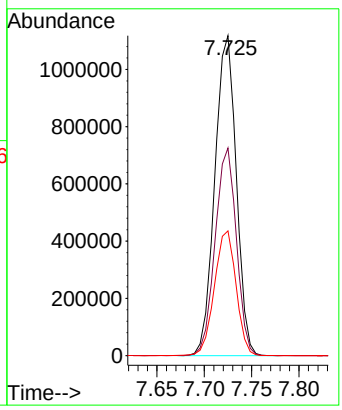




#13
1,4-Dichlorobenzene
Concen: 79.178 ng
RT: 7.725 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 176066

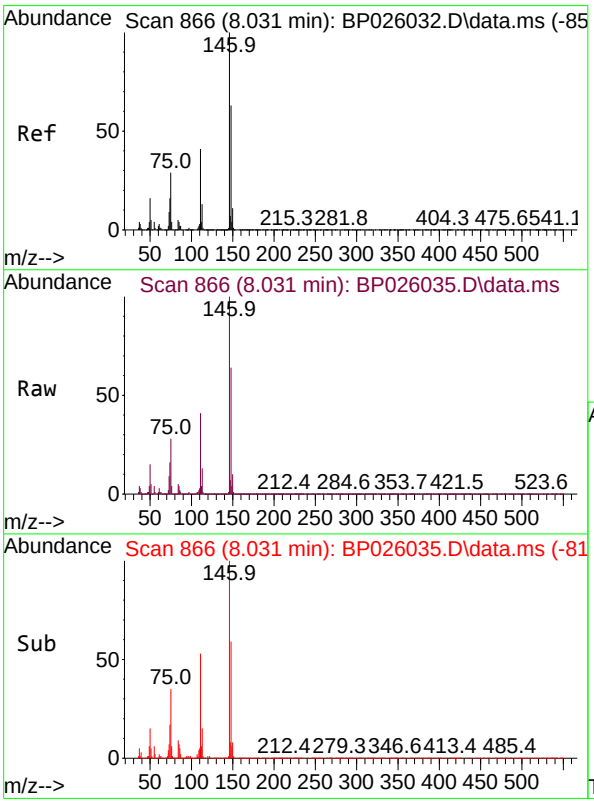
Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	39.0	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

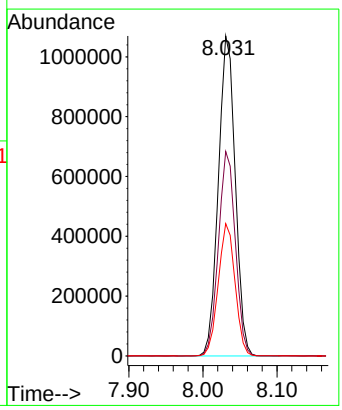
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

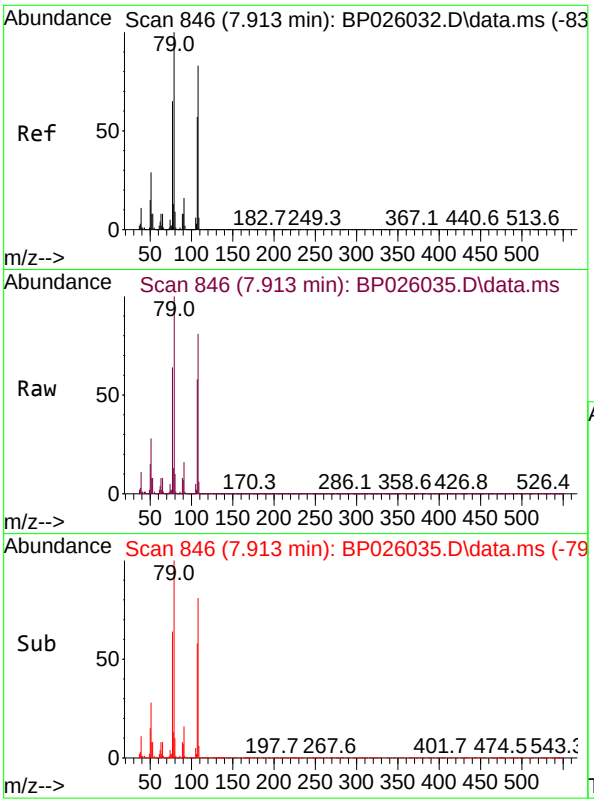


#14
1,2-Dichlorobenzene
Concen: 79.697 ng
RT: 8.031 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:146 Resp: 1691085

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	41.4	33.0	49.4

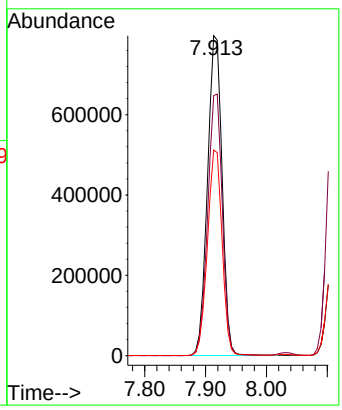




#15
Benzyl Alcohol
Concen: 83.801 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 79 Resp: 132983

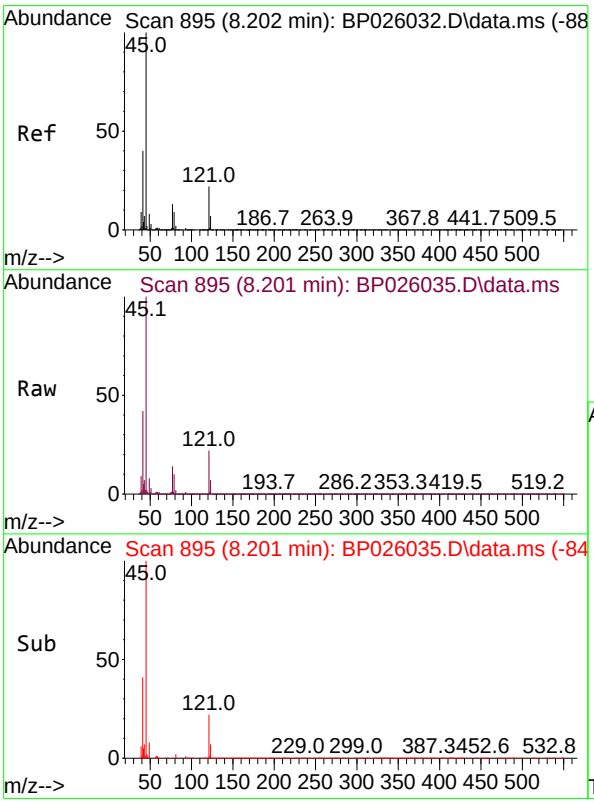
Ion	Ratio	Lower	Upper
79	100		
108	81.3	66.0	99.0
77	64.2	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

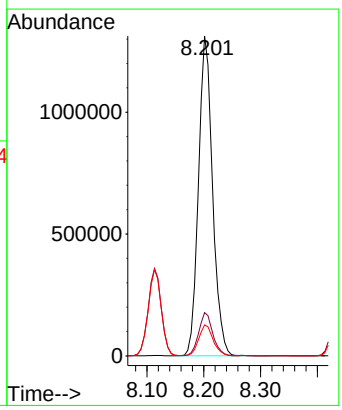
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

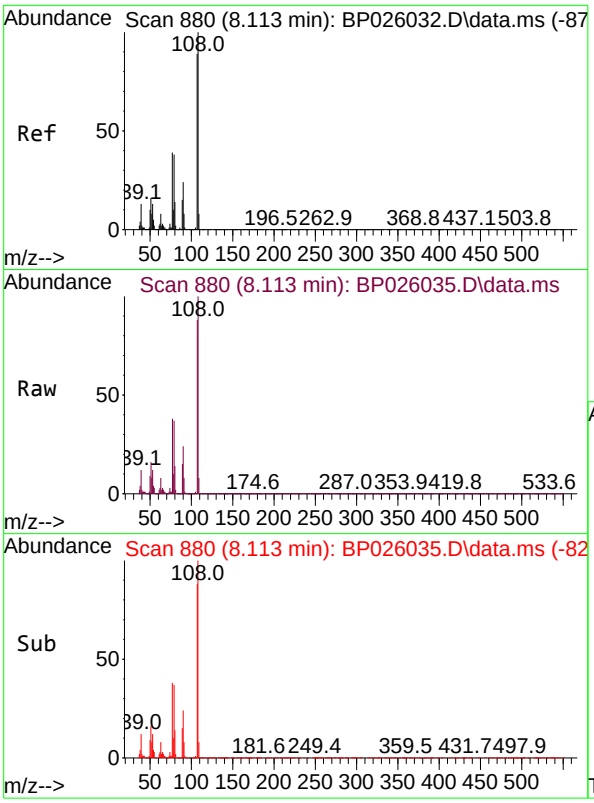


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.614 ng
RT: 8.201 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 45 Resp: 2262252

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.2
79	9.7	0.0	29.5

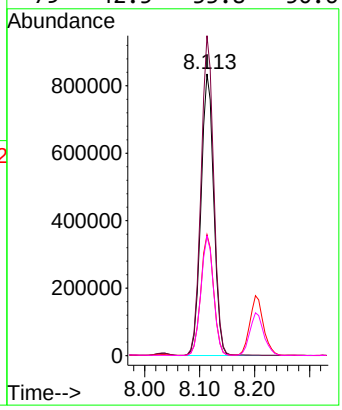




#17
2-Methylphenol
Concen: 83.922 ng
RT: 8.113 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 134293

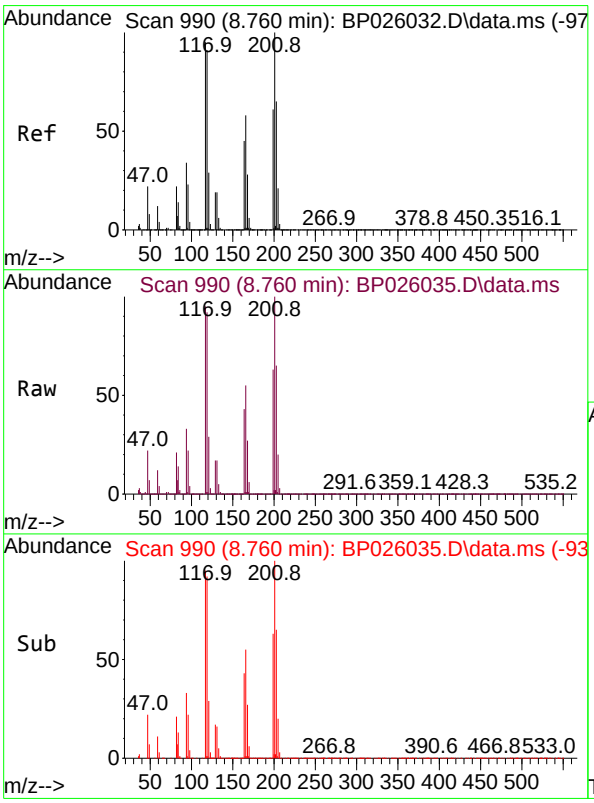
Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.8	134.8
77	42.9	34.8	52.2
79	42.5	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

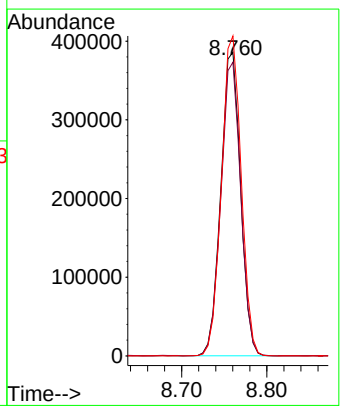
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

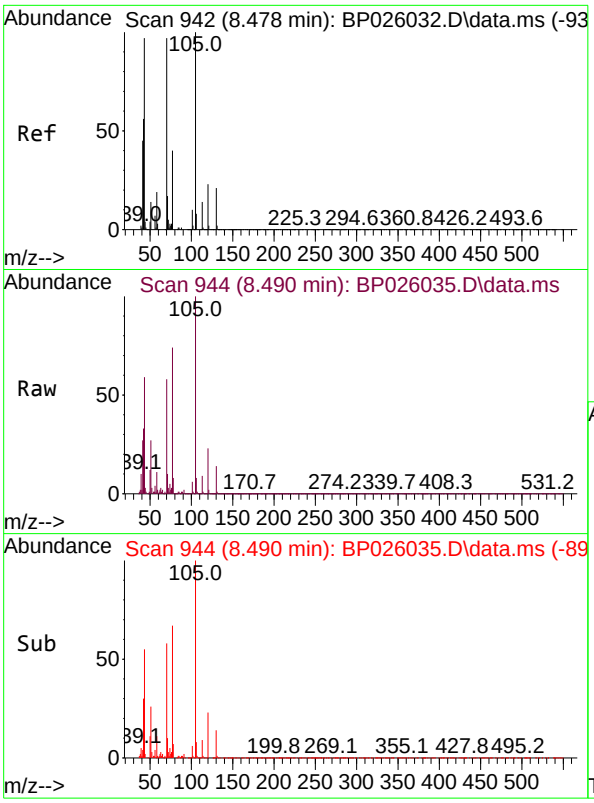


#18
Hexachloroethane
Concen: 81.910 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:117 Resp: 623268

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.5	114.7
201	105.4	84.2	126.4

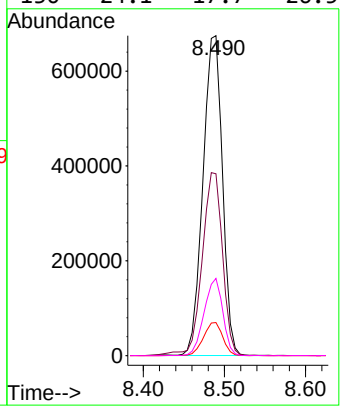




#19
n-Nitroso-di-n-propylamine
Concen: 82.397 ng
RT: 8.490 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 70 Resp: 112588

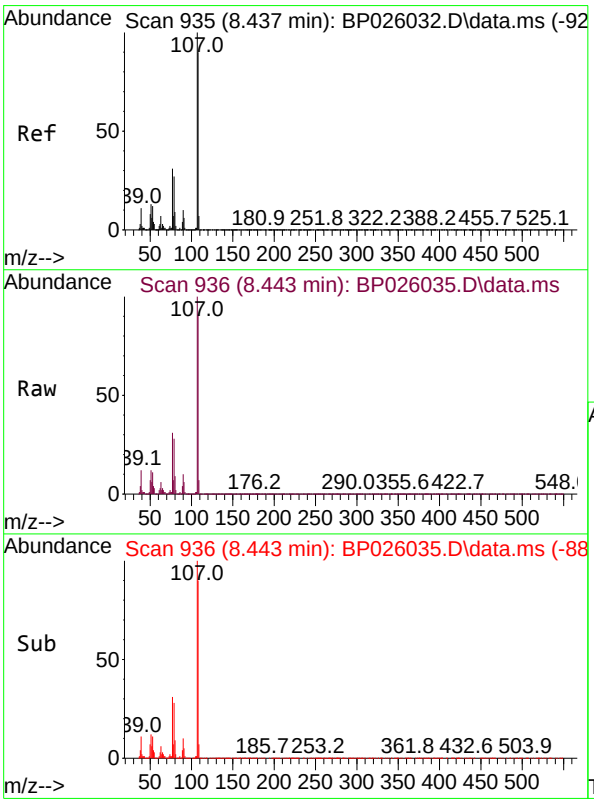
Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.2	70.8
101	10.3	8.2	12.2
130	24.1	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

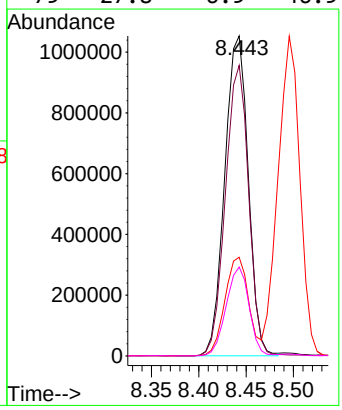
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

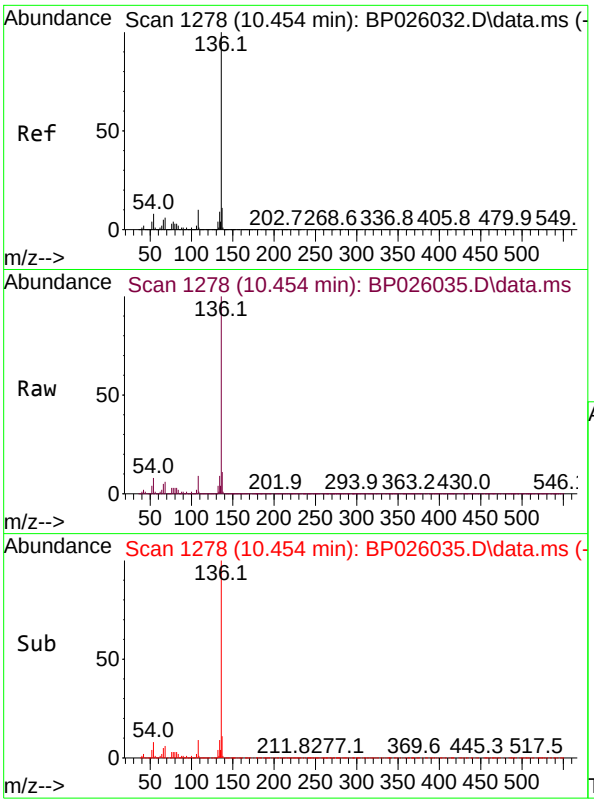


#20
3+4-Methylphenols
Concen: 81.769 ng
RT: 8.443 min Scan# 936
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 1820304

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.1	110.1
77	30.8	10.7	50.7
79	27.8	6.9	46.9

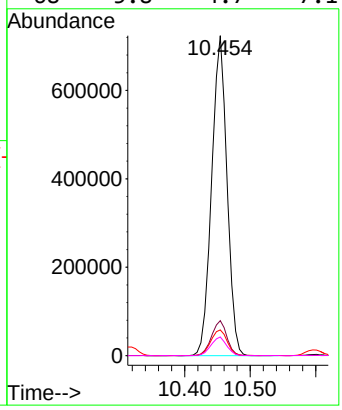




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:136 Resp: 117681

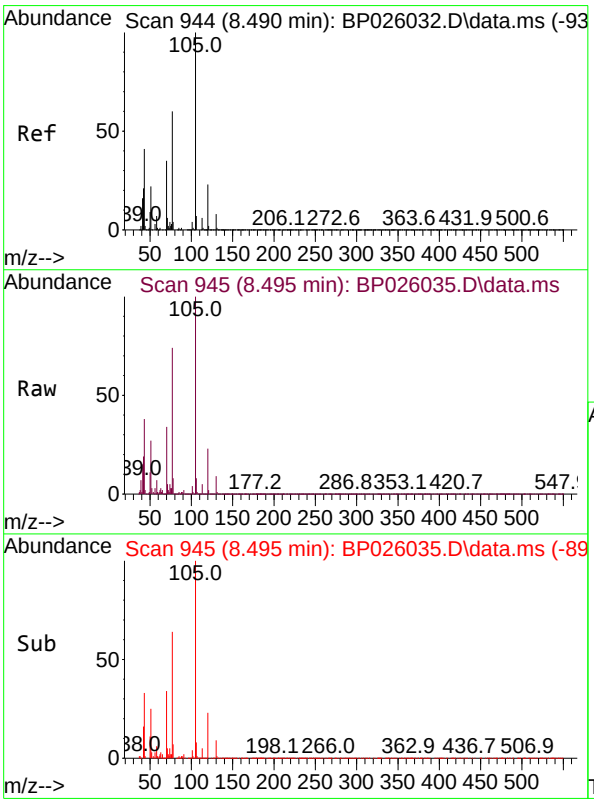
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.6	10.0
68	5.8	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

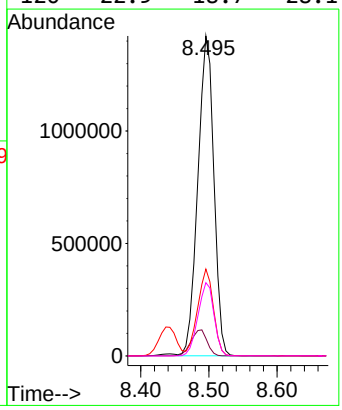
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

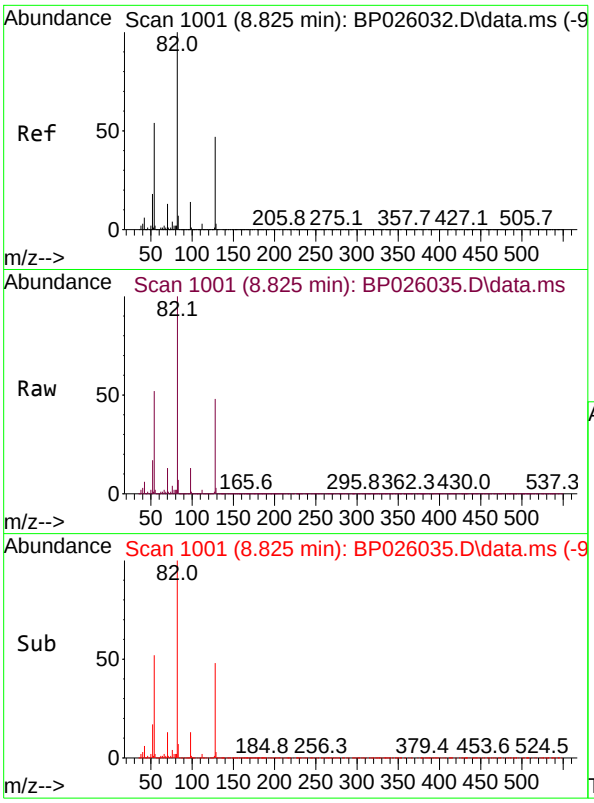


#22
Acetophenone
Concen: 78.173 ng
RT: 8.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:105 Resp: 2326587

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.7	7.1
51	27.1	21.8	32.8
120	22.9	18.7	28.1

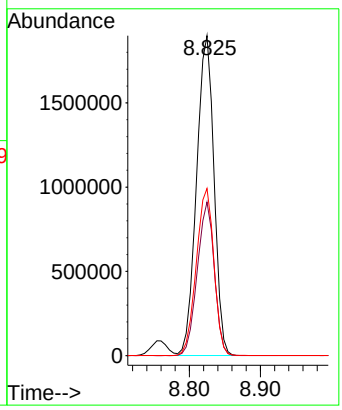




#23
Nitrobenzene-d5
Concen: 170.878 ng
RT: 8.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 82 Resp: 3225718

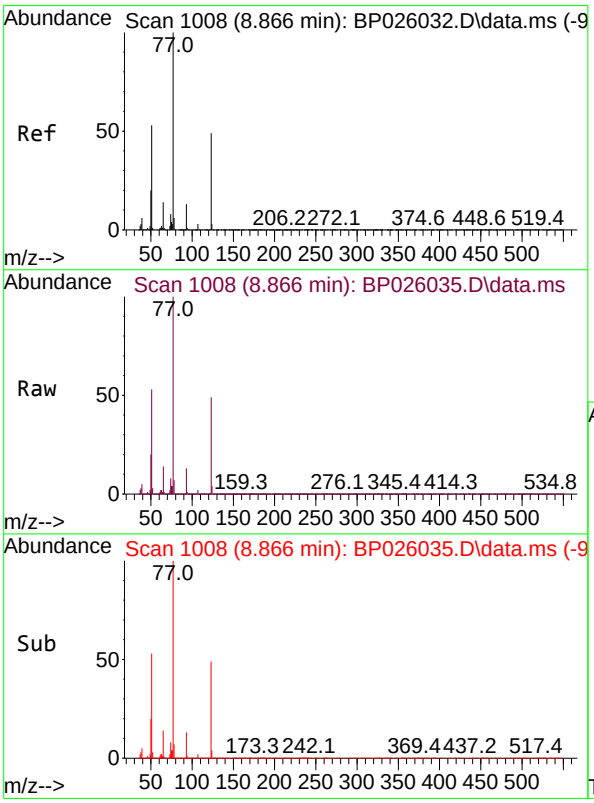
Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.0
54	52.2	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

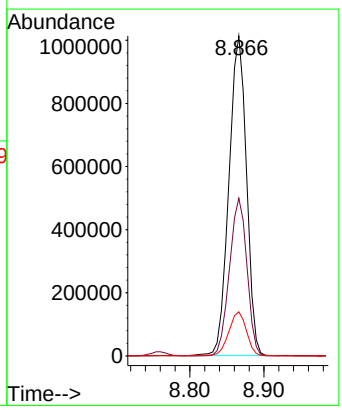
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

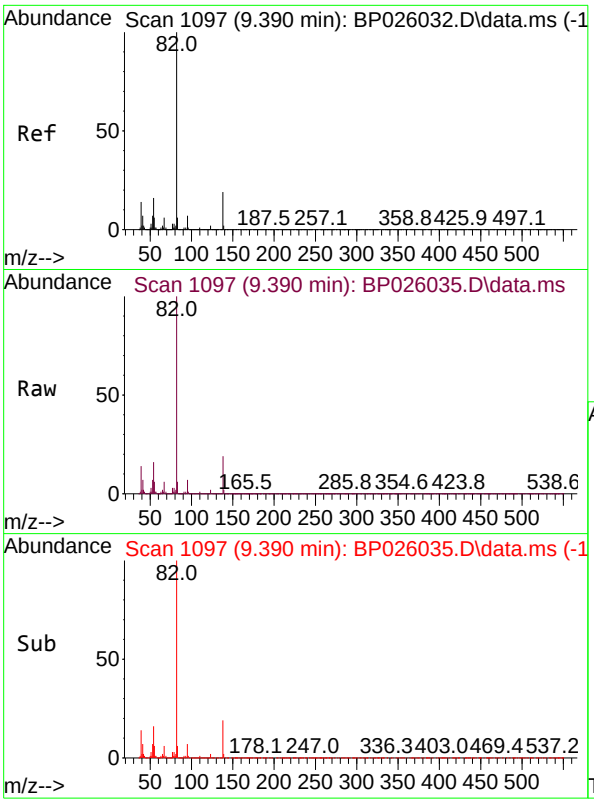


#24
Nitrobenzene
Concen: 83.585 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 1665956

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.0	58.4
65	13.8	10.9	16.3





#25
Isophorone
Concen: 80.688 ng
RT: 9.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

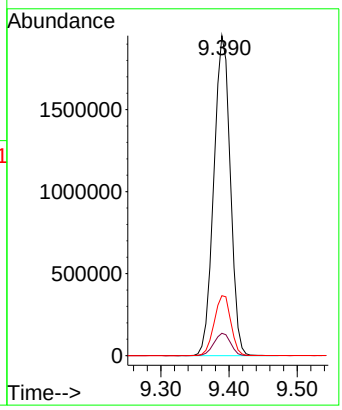
Tgt Ion: 82 Resp: 326023

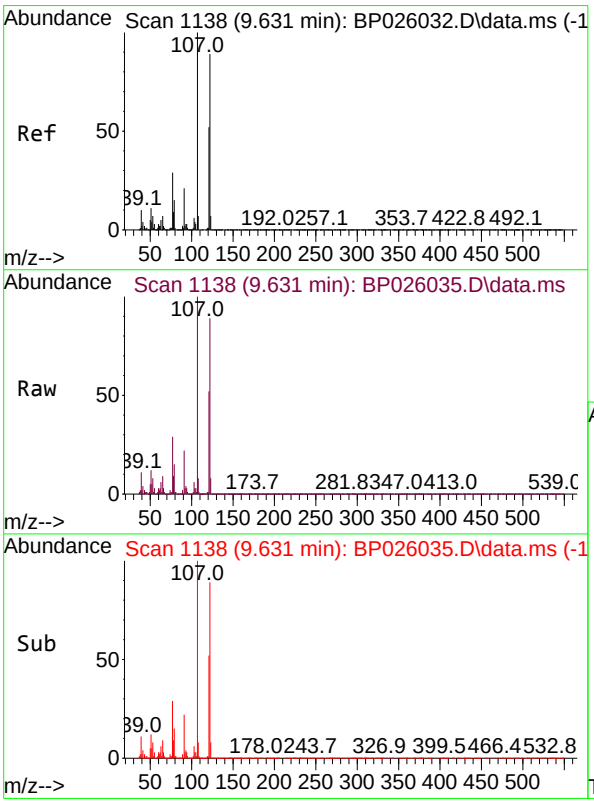
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	18.7	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

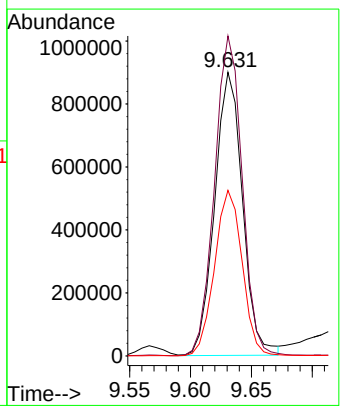


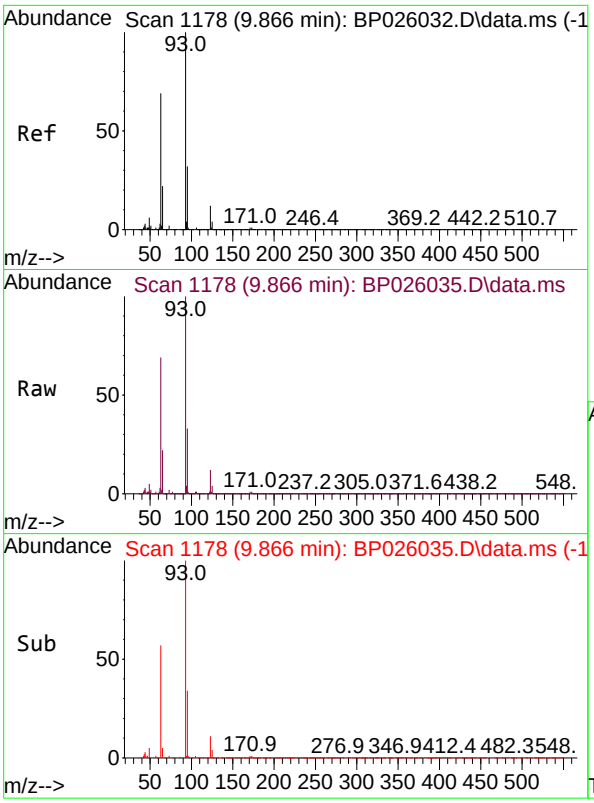


#27
2,4-Dimethylphenol
Concen: 84.436 ng
RT: 9.631 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:122 Resp: 1434677

Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.2	133.8
121	58.4	46.3	69.5

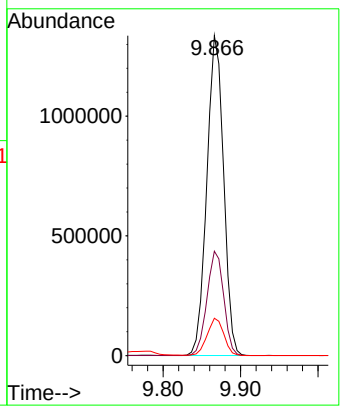




#28
bis(2-Chloroethoxy)methane
Concen: 78.950 ng
RT: 9.866 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 93 Resp: 201041

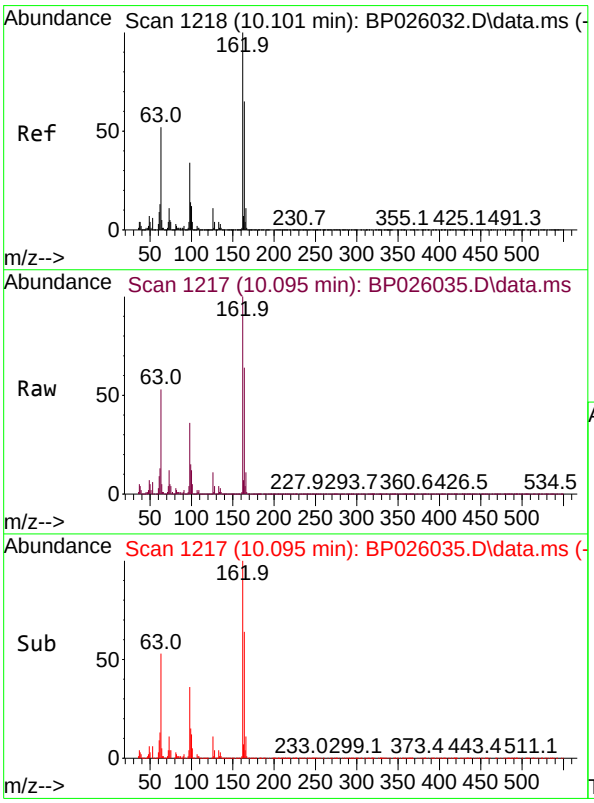
Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

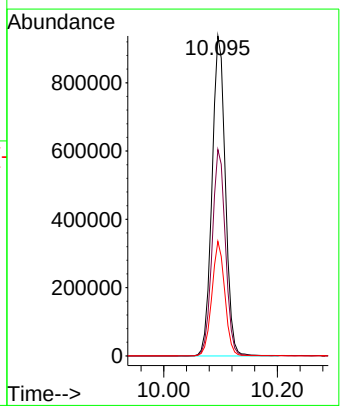
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

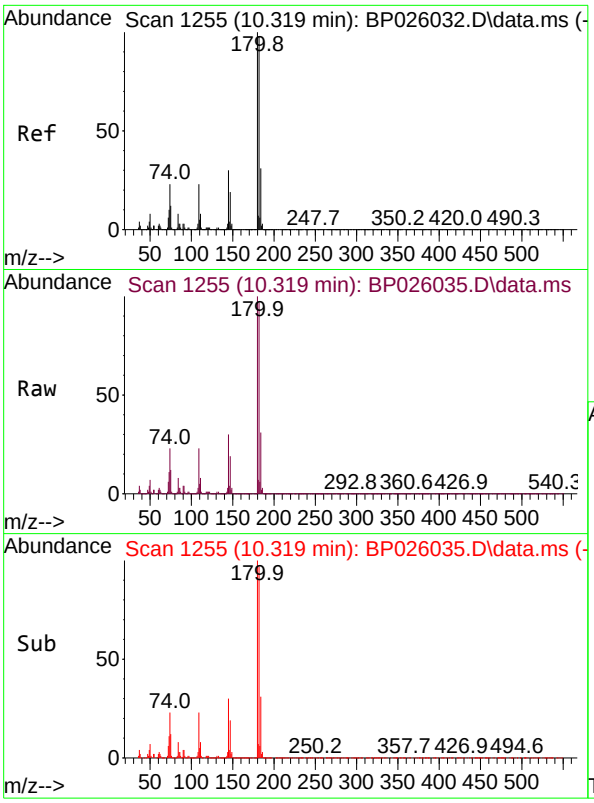


#29
2,4-Dichlorophenol
Concen: 84.998 ng
RT: 10.095 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:162 Resp: 1524906

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	35.8	14.0	54.0

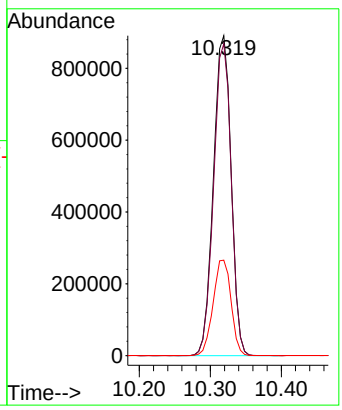




#30
1,2,4-Trichlorobenzene
Concen: 79.255 ng
RT: 10.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:180 Resp: 154545

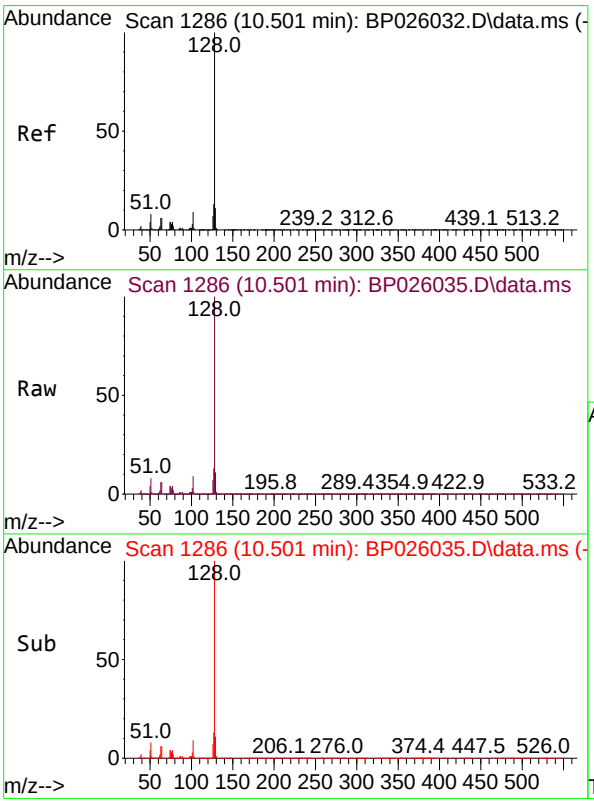
Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.6	117.8
145	29.8	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

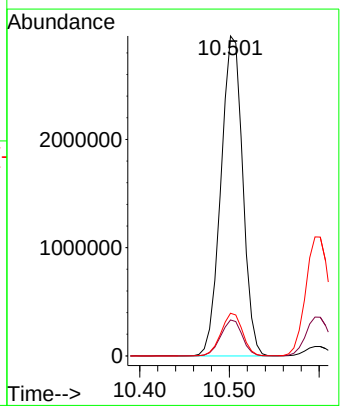
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

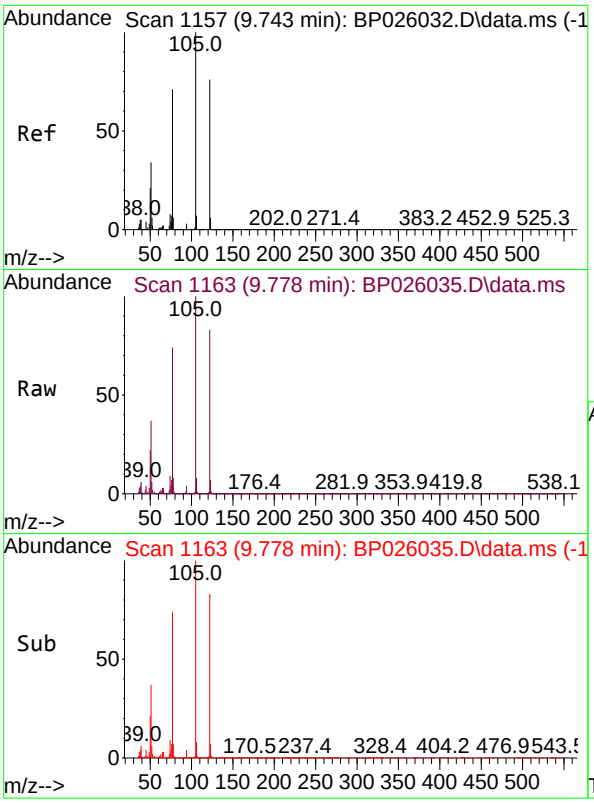


#31
Naphthalene
Concen: 77.974 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:128 Resp: 5003853

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.5	15.7

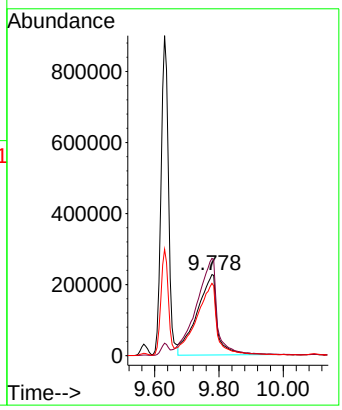




#32
Benzoic acid
Concen: 79.140 ng
RT: 9.778 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:122 Resp: 100033

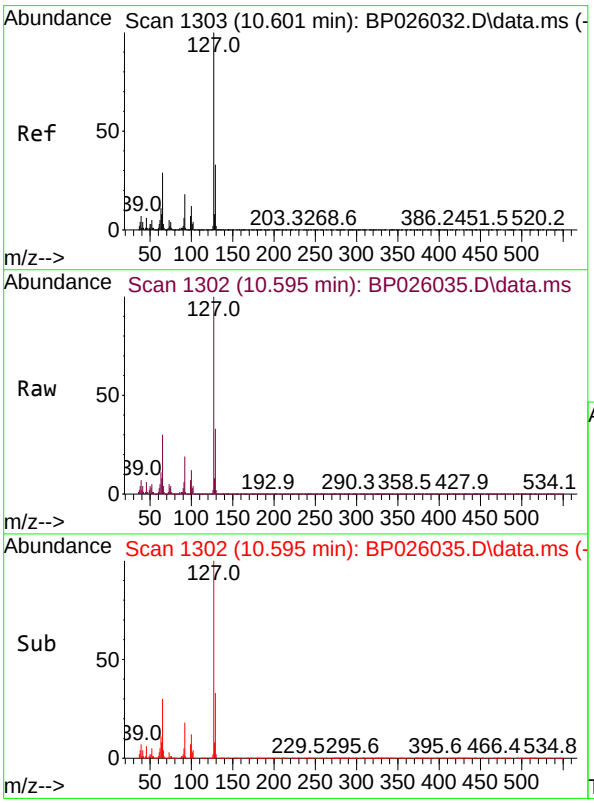
Ion	Ratio	Lower	Upper
122	100		
105	119.9	104.8	144.8
77	89.0	70.9	110.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

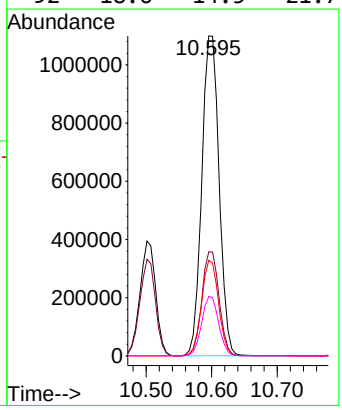
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

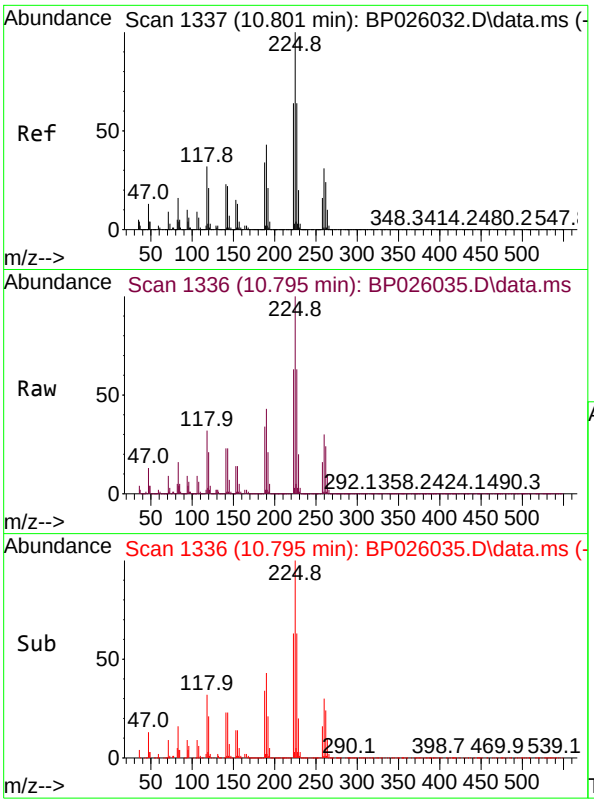


#33
4-Chloroaniline
Concen: 81.448 ng
RT: 10.595 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:127 Resp: 2008519

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	29.9	23.2	34.8
92	18.6	14.5	21.7

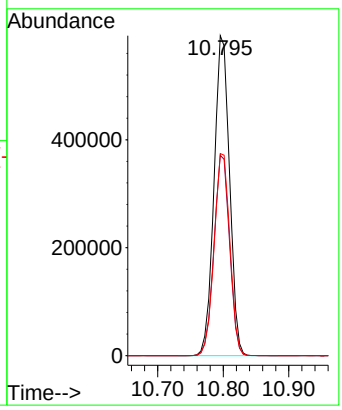




#34
Hexachlorobutadiene
Concen: 78.780 ng
RT: 10.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:225 Resp: 97621

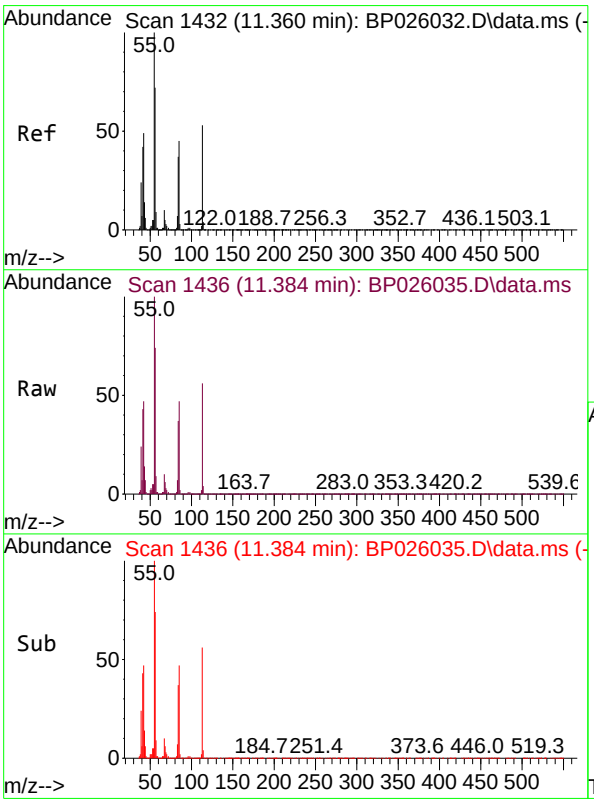
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	63.1	51.0	76.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

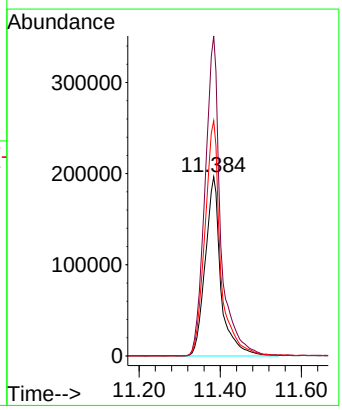
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

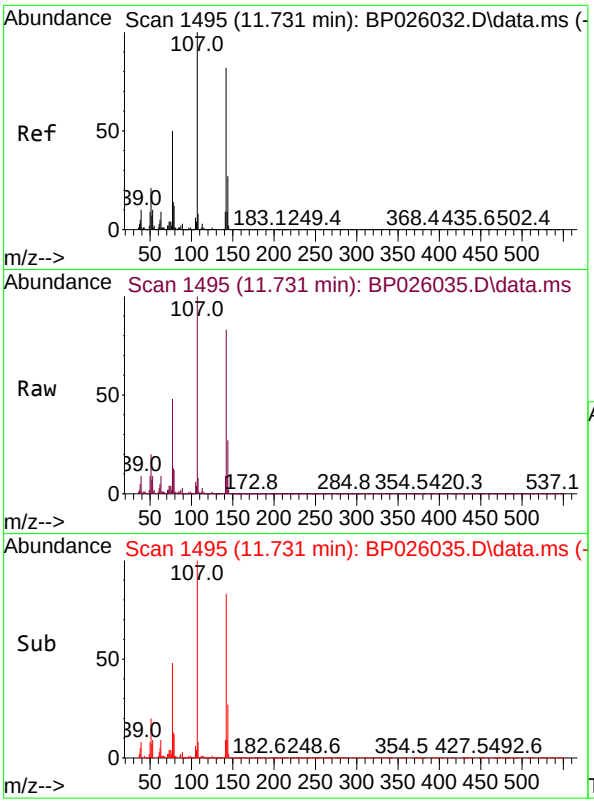


#35
Caprolactam
Concen: 83.619 ng
RT: 11.384 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:113 Resp: 526808

Ion	Ratio	Lower	Upper
113	100		
55	178.6	169.9	209.9
56	131.3	116.7	156.7

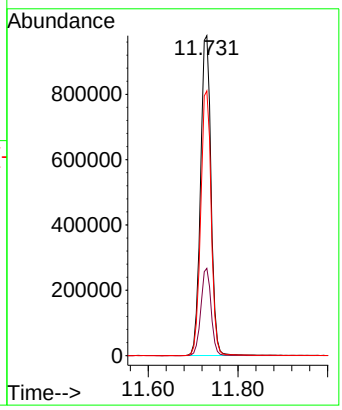




#36
4-Chloro-3-methylphenol
Concen: 84.393 ng
RT: 11.731 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:107 Resp: 158717

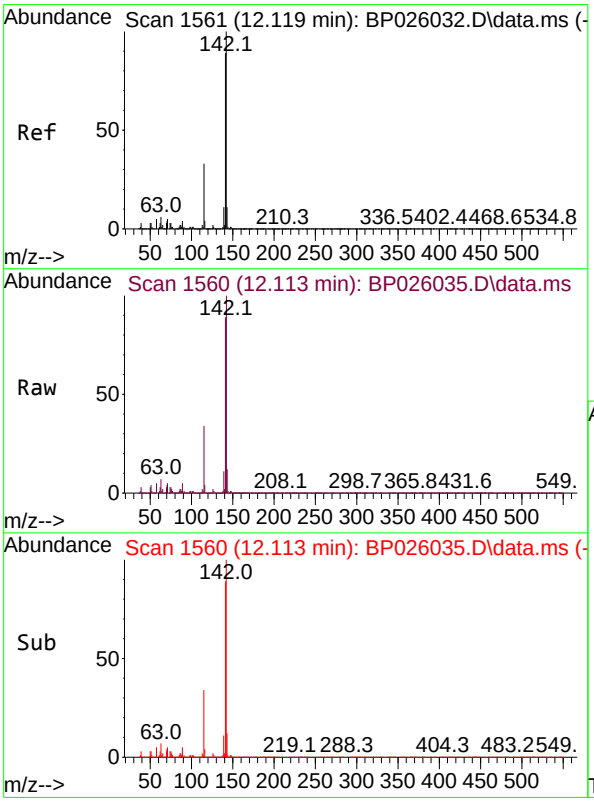
Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	82.7	65.2	97.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

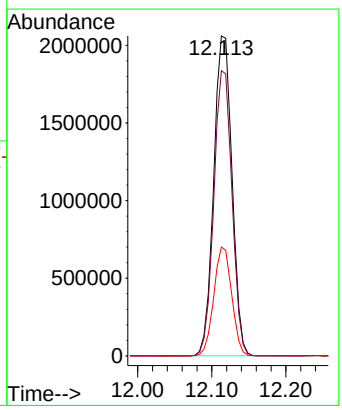
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

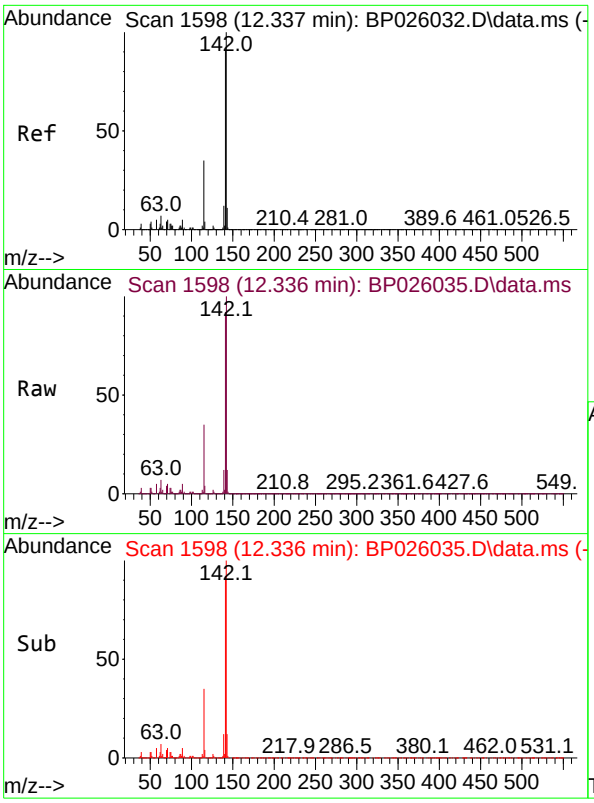


#37
2-Methylnaphthalene
Concen: 78.637 ng
RT: 12.113 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:142 Resp: 3532026

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.6	107.4
115	34.0	26.6	39.8

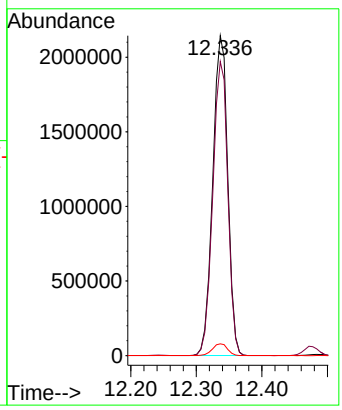




#38
1-Methylnaphthalene
Concen: 78.306 ng
RT: 12.336 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:142 Resp: 341692

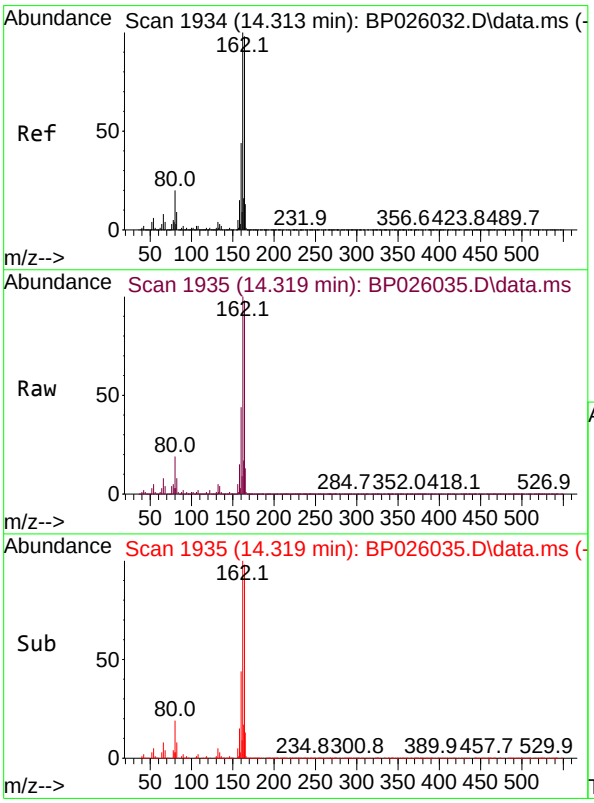
Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.7	109.1
116	3.7	2.9	4.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

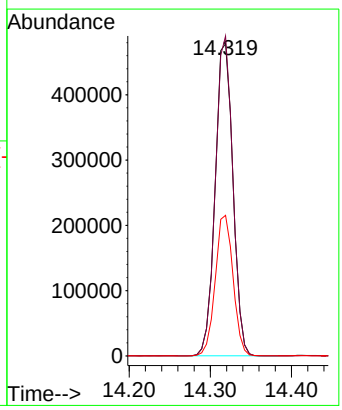
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

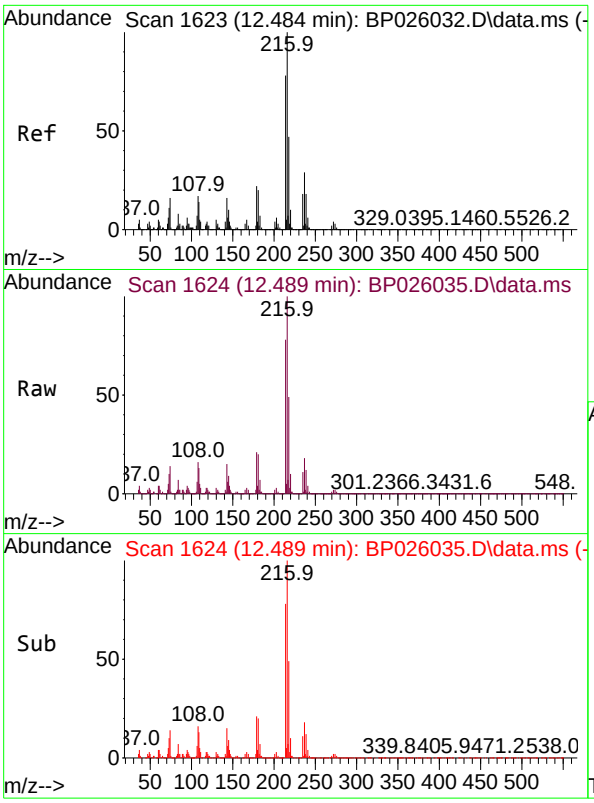


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:164 Resp: 727864

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.5	122.3
160	45.0	36.2	54.4

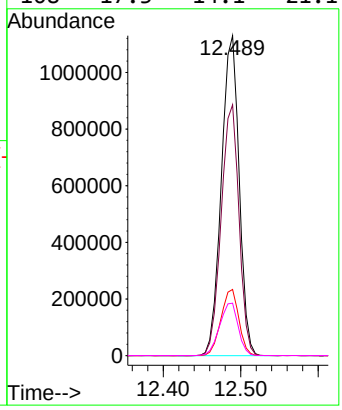




#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.720 ng
RT: 12.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:216 Resp: 180292

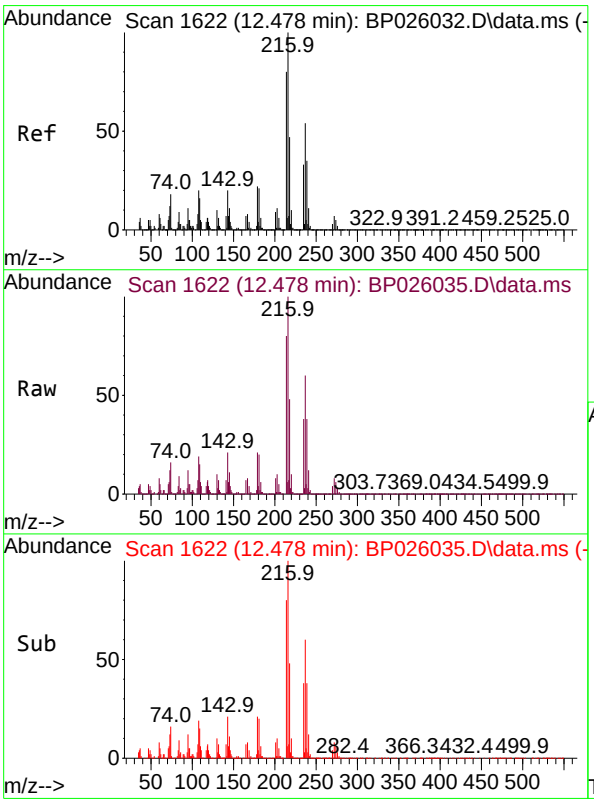
Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.9	94.3
179	20.8	16.9	25.3
108	17.3	14.1	21.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

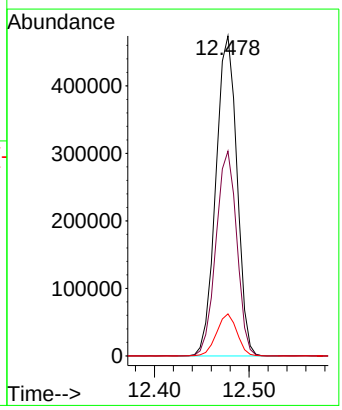
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

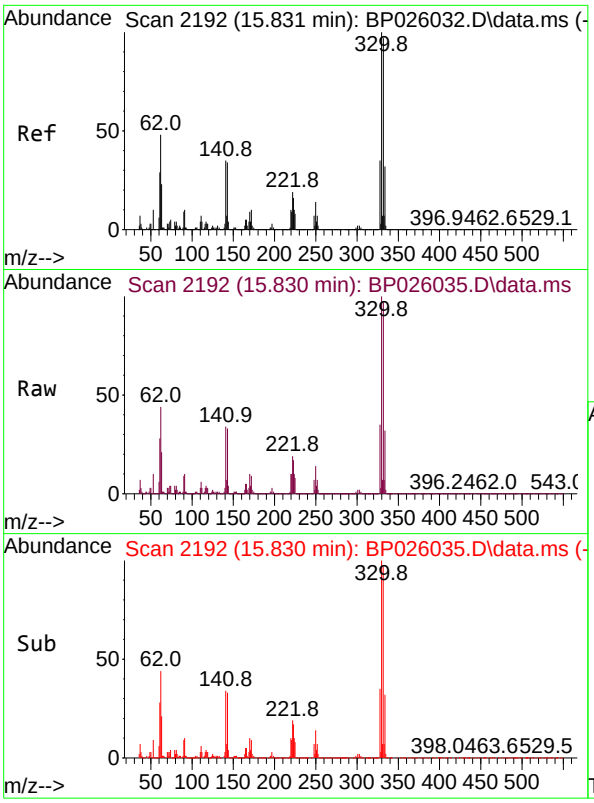


#41
Hexachlorocyclopentadiene
Concen: 88.474 ng
RT: 12.478 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:237 Resp: 732085

Ion	Ratio	Lower	Upper
237	100		
235	64.0	40.4	80.4
272	13.1	0.0	32.2

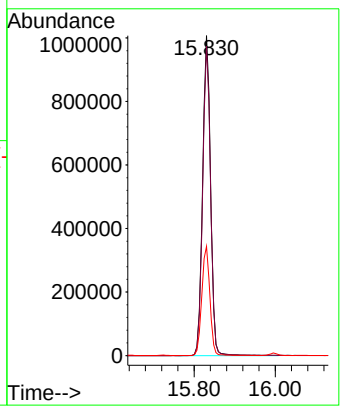




#42
2,4,6-Tribromophenol
Concen: 172.904 ng
RT: 15.830 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:330 Resp: 136057

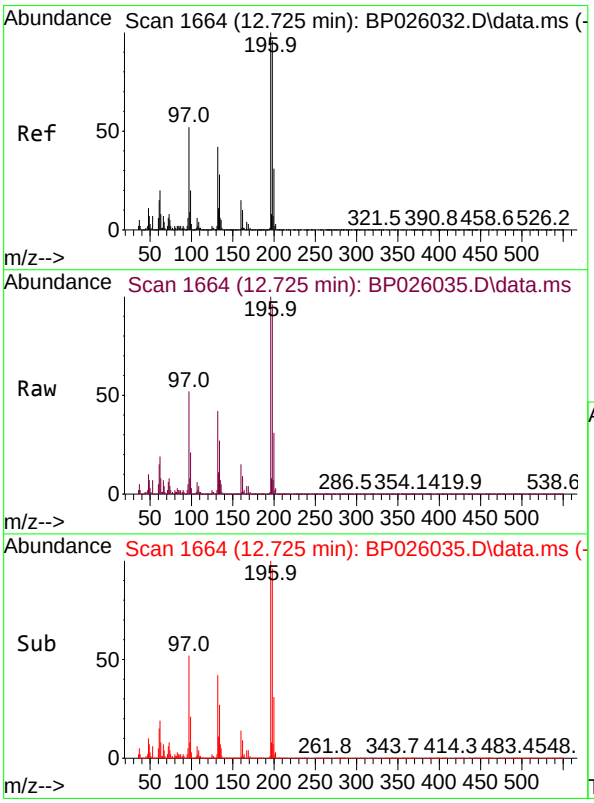
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	34.7	28.6	42.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

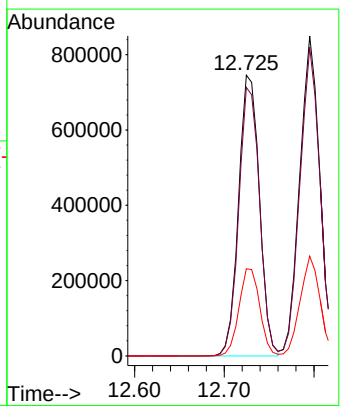
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

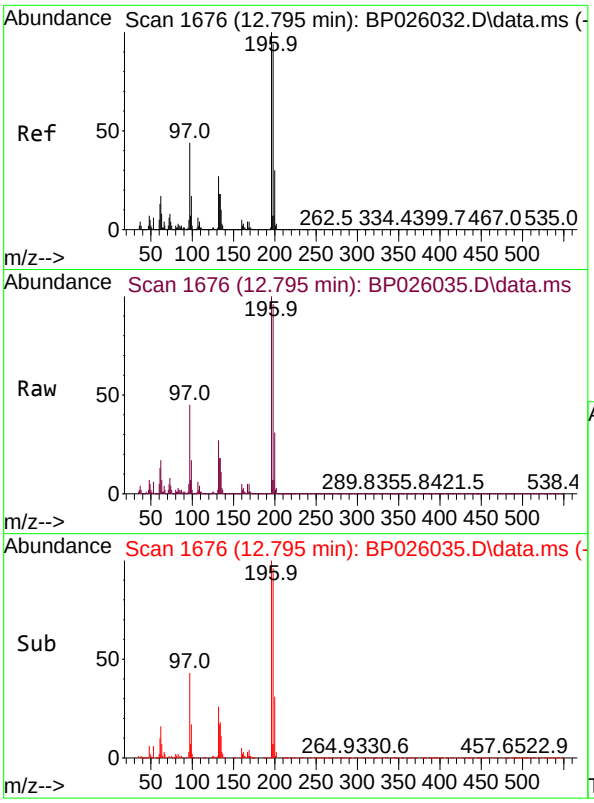


#43
2,4,6-Trichlorophenol
Concen: 89.908 ng
RT: 12.725 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:196 Resp: 1201855

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.5	114.7
200	31.1	24.4	36.6

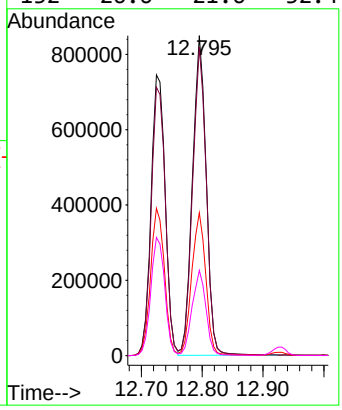




#44
2,4,5-Trichlorophenol
Concen: 87.017 ng
RT: 12.795 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:196 Resp: 132729

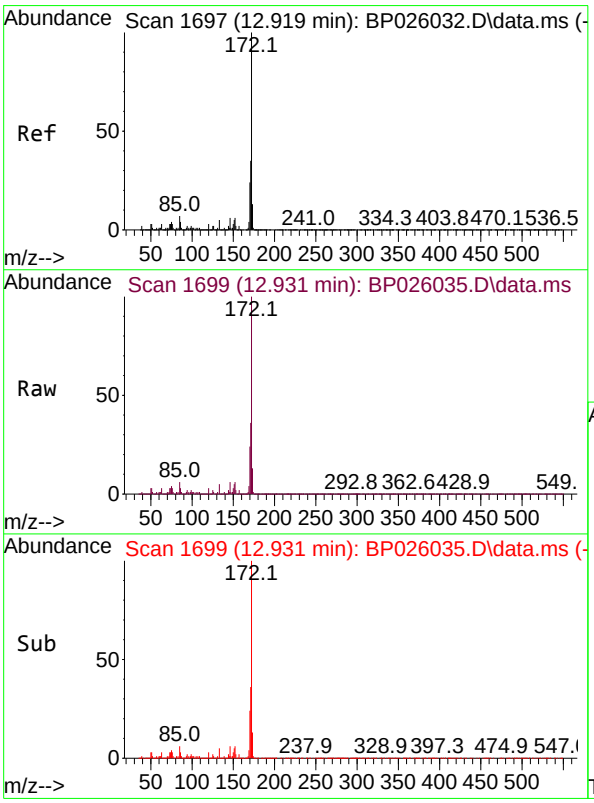
Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.1	112.7
97	44.6	35.5	53.3
132	26.6	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

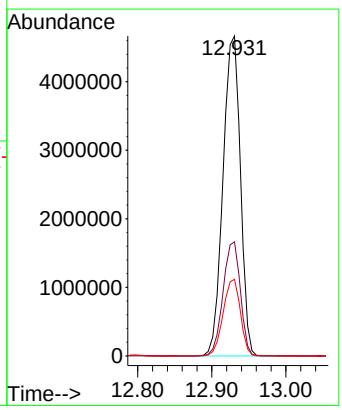
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

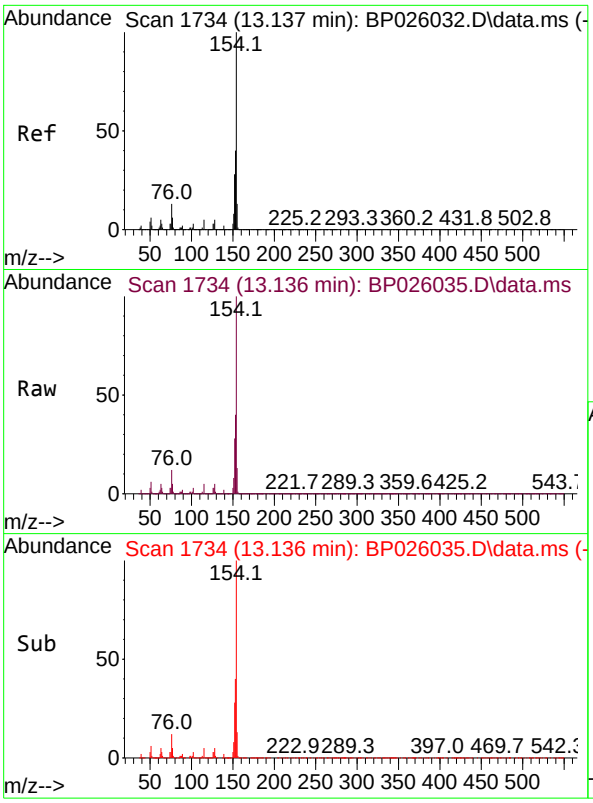


#45
2-Fluorobiphenyl
Concen: 150.244 ng
RT: 12.931 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:172 Resp: 7610514

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	23.9	19.0	28.4

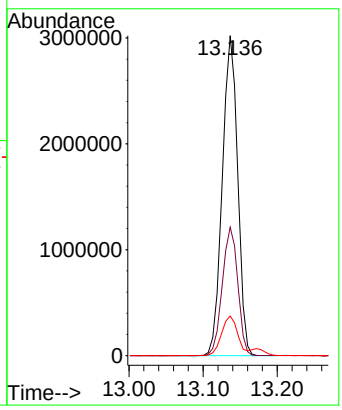




#46
1,1'-Biphenyl
Concen: 77.997 ng
RT: 13.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

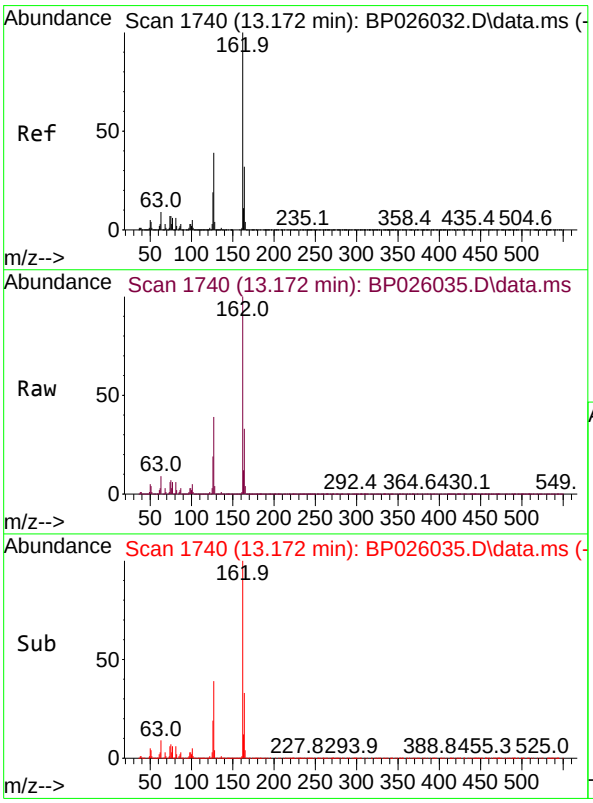
Tgt Ion:154 Resp: 434701

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.4	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

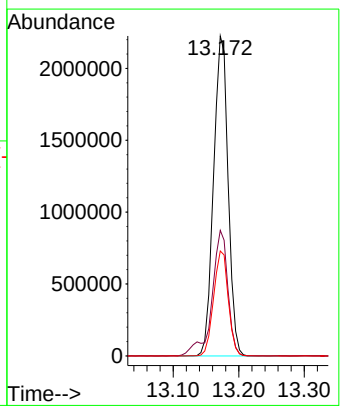
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

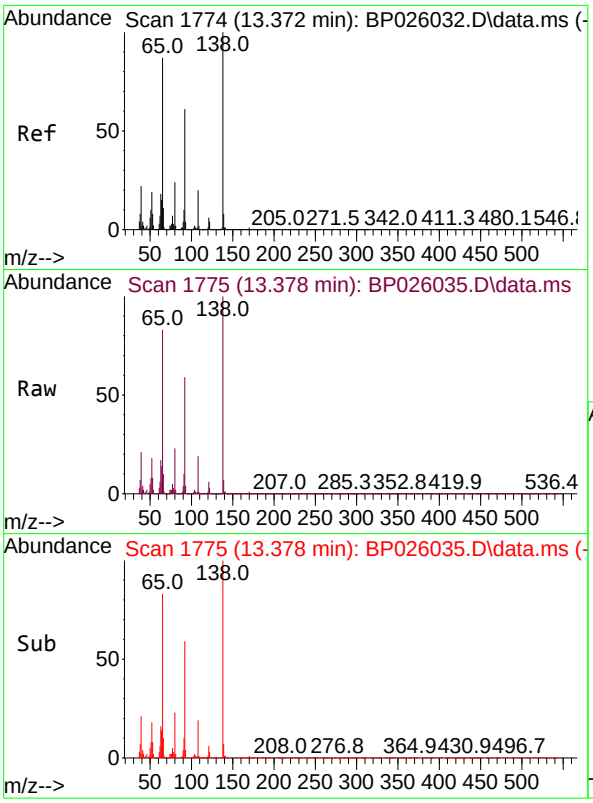


#47
2-Chloronaphthalene
Concen: 78.326 ng
RT: 13.172 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:162 Resp: 3434628

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.4	47.2
164	32.8	25.9	38.9

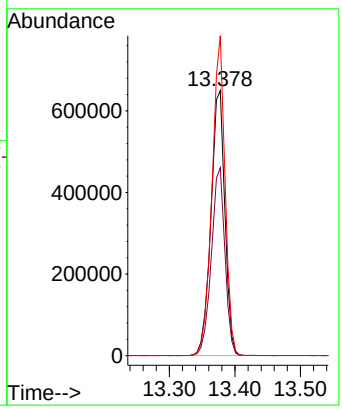




#48
2-Nitroaniline
Concen: 84.358 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 65 Resp: 95849

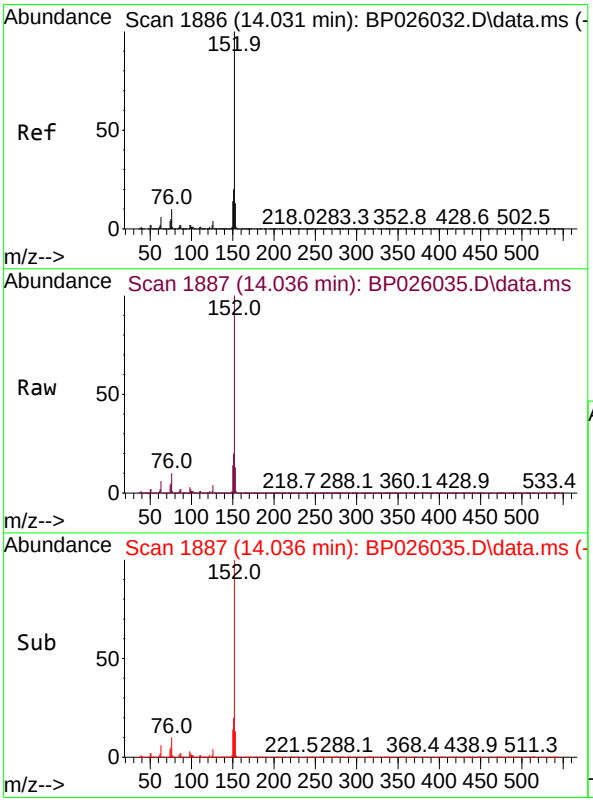
Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.5	83.3
138	120.8	91.7	137.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

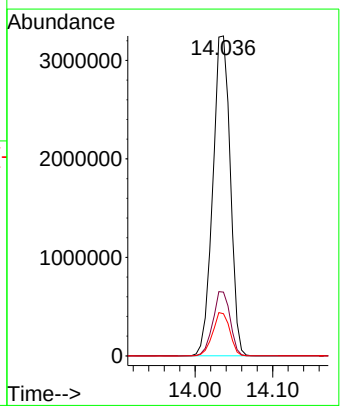
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

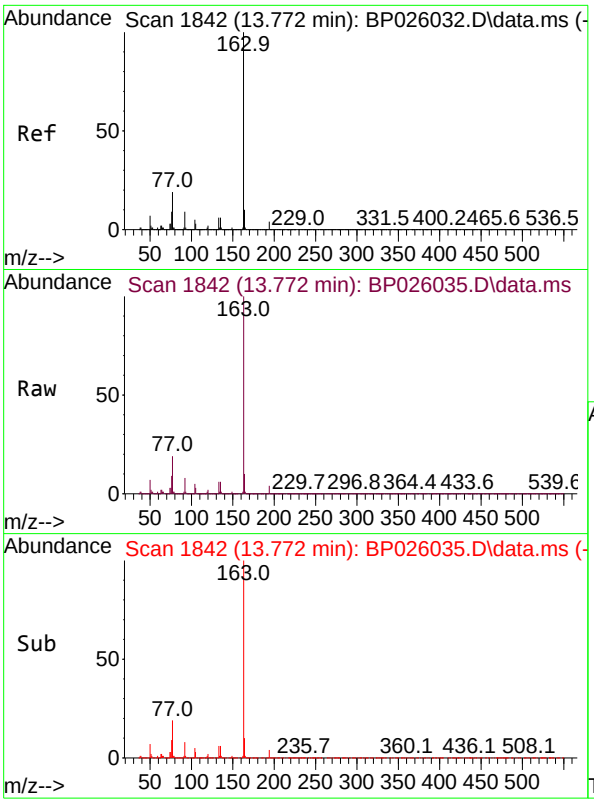


#49
Acenaphthylene
Concen: 79.376 ng
RT: 14.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:152 Resp: 5073069

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0

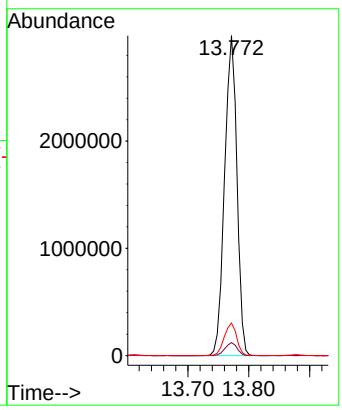




#50
Dimethylphthalate
Concen: 79.090 ng
RT: 13.772 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:163 Resp: 4187309

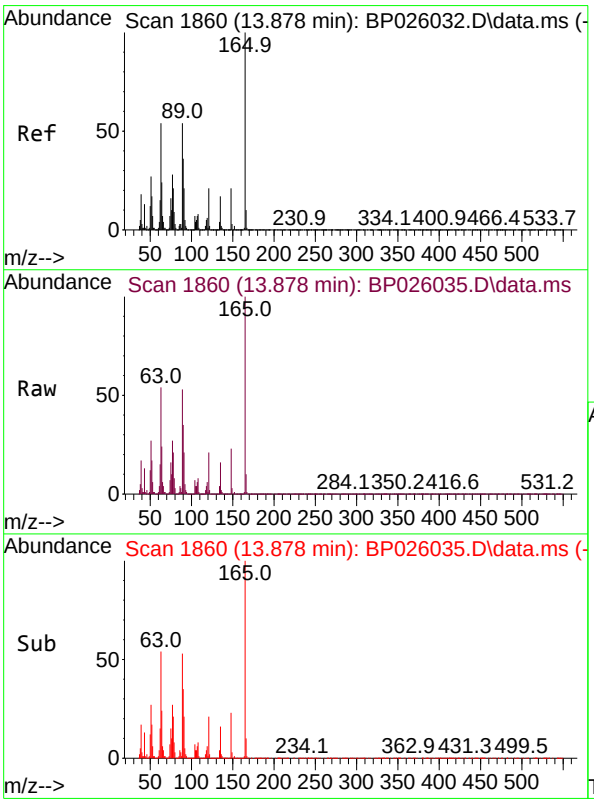
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

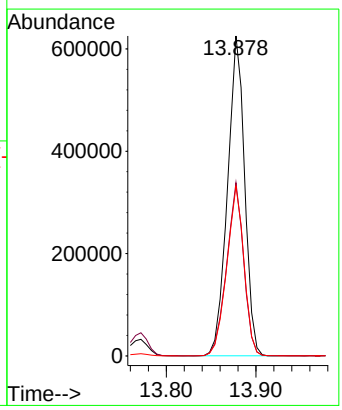
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

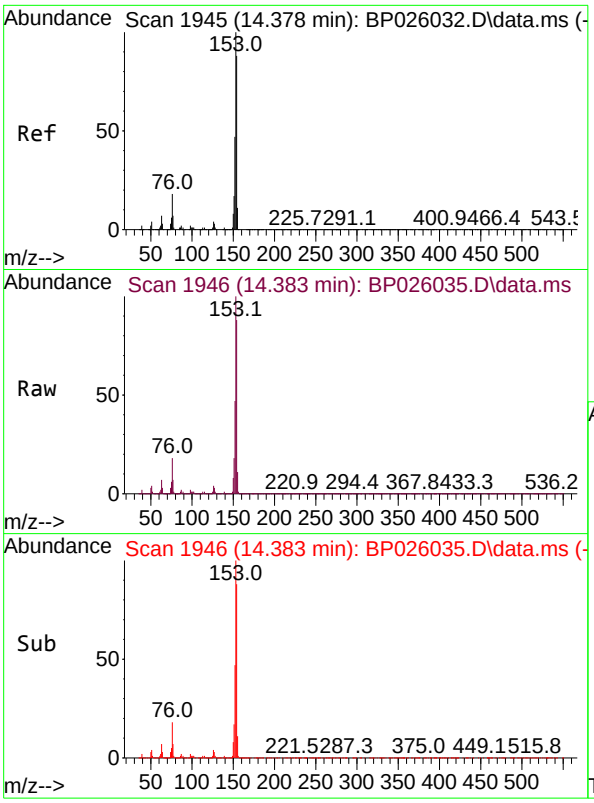


#51
2,6-Dinitrotoluene
Concen: 83.478 ng
RT: 13.878 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:165 Resp: 834638

Ion	Ratio	Lower	Upper
165	100		
63	54.1	43.0	64.4
89	53.0	43.0	64.4

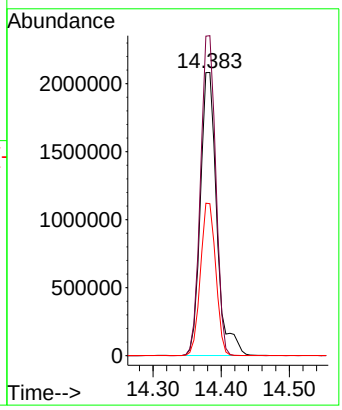




#52
Acenaphthene
Concen: 79.085 ng
RT: 14.383 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

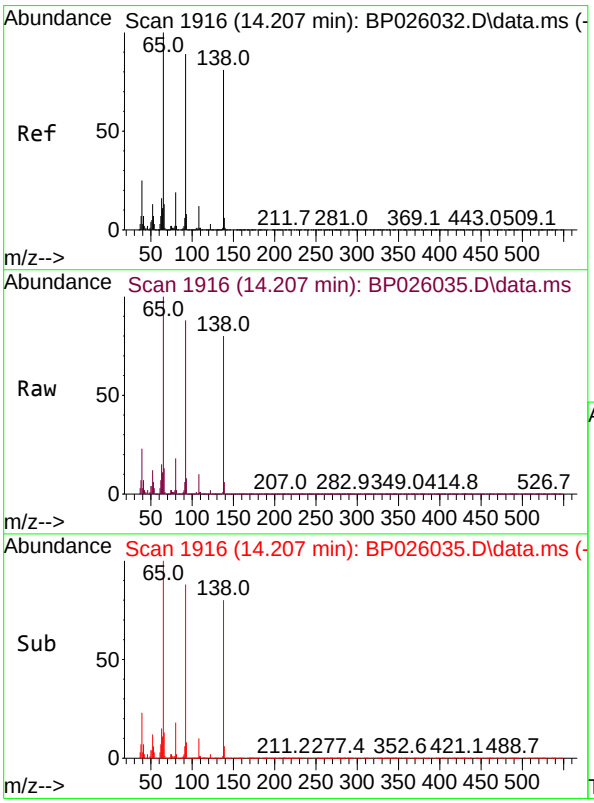
Tgt Ion:154 Resp: 346994

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.0	136.4
152	53.7	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

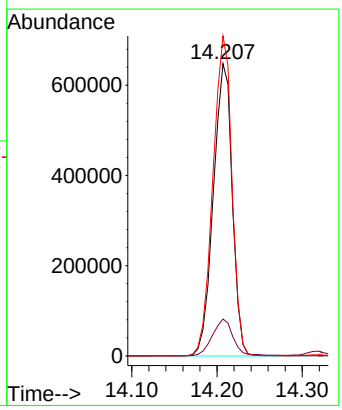
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

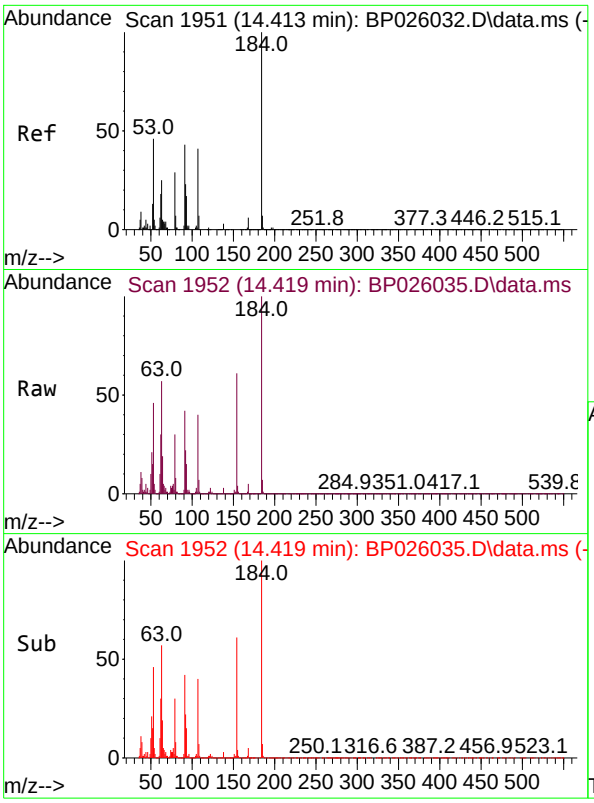


#53
3-Nitroaniline
Concen: 81.547 ng
RT: 14.207 min Scan# 1916
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:138 Resp: 995927

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	109.5	87.1	130.7

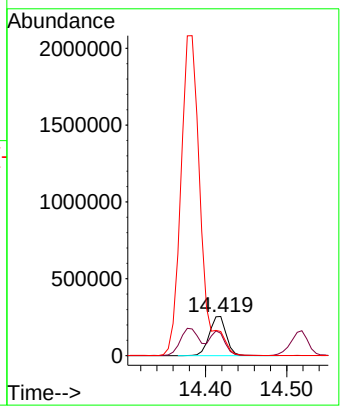




#54
2,4-Dinitrophenol
Concen: 79.098 ng
RT: 14.419 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:184 Resp: 36626

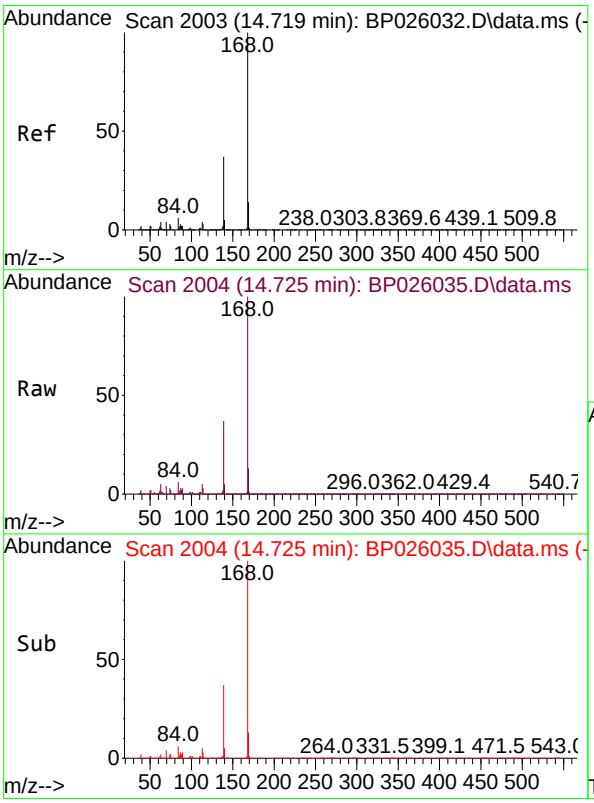
Ion	Ratio	Lower	Upper
184	100		
63	57.1	49.0	73.4
154	61.5	51.0	76.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

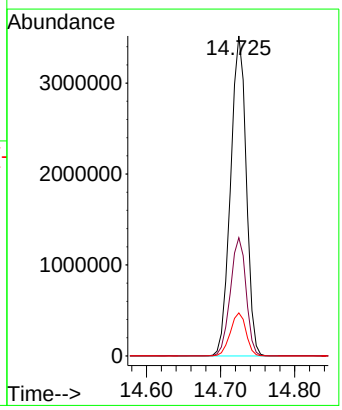
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

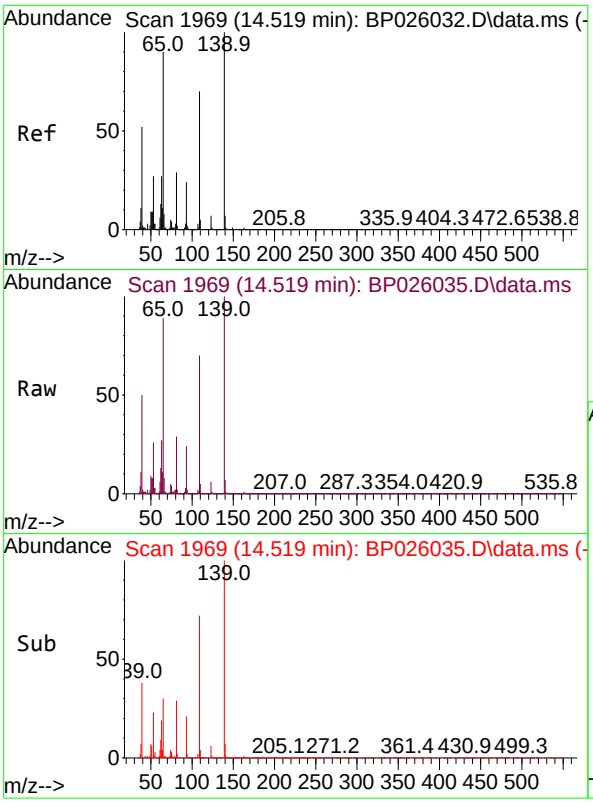


#55
Dibenzofuran
Concen: 78.003 ng
RT: 14.725 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:168 Resp: 5170871

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.7	44.5
169	13.4	11.0	16.4

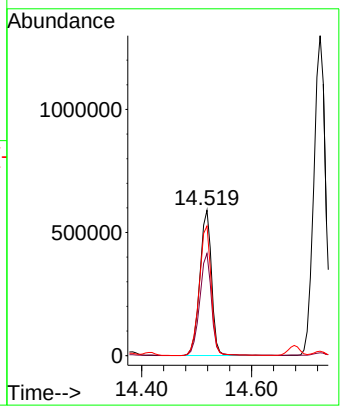




#56
4-Nitrophenol
Concen: 82.900 ng
RT: 14.519 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:139 Resp: 875195

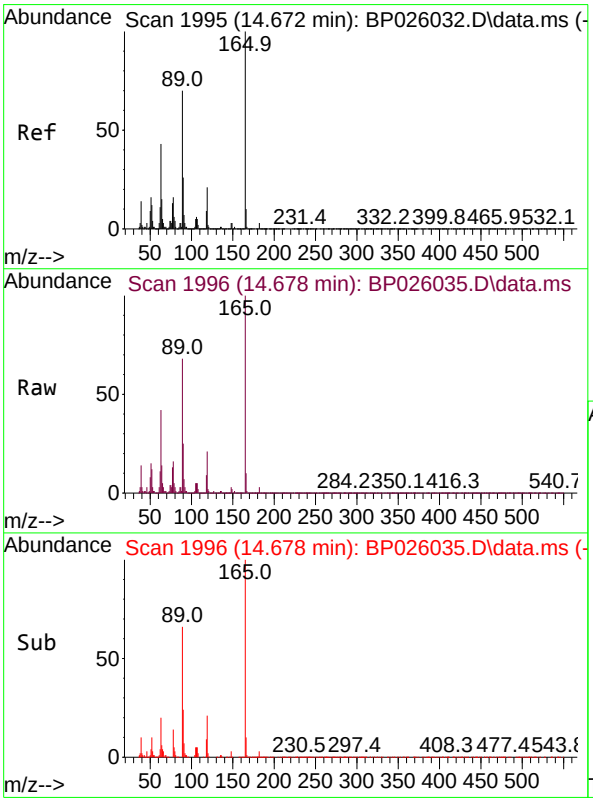
Ion	Ratio	Lower	Upper
139	100		
109	70.3	50.0	90.0
65	89.2	69.6	109.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

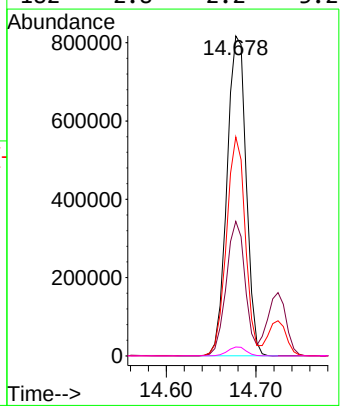
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

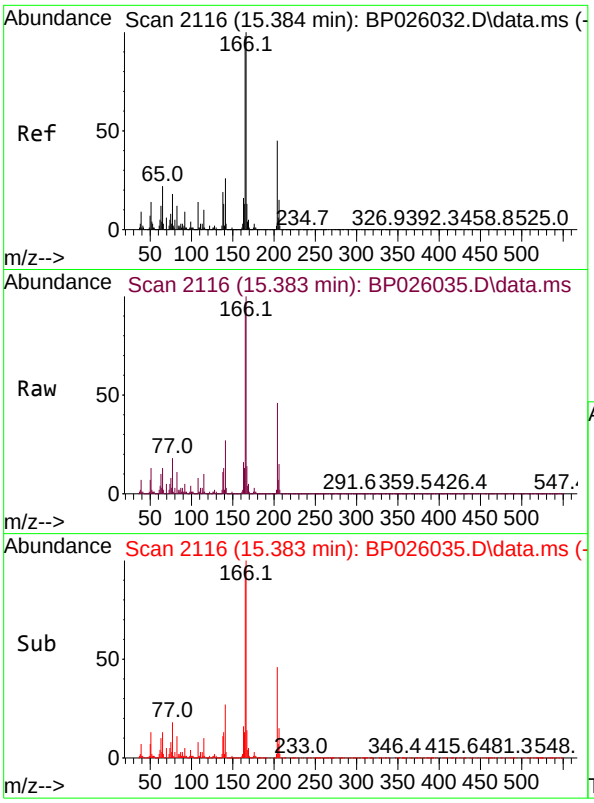


#57
2,4-Dinitrotoluene
Concen: 83.983 ng
RT: 14.678 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:165 Resp: 1218227

Ion	Ratio	Lower	Upper
165	100		
63	42.0	34.2	51.2
89	68.5	56.0	84.0
182	2.8	2.2	3.2

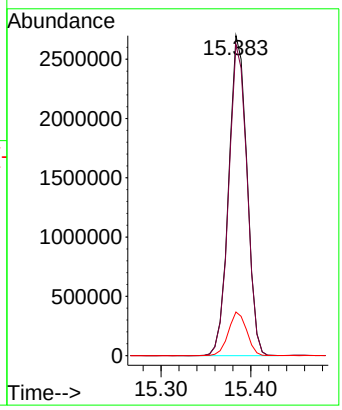




#58
Fluorene
Concen: 73.925 ng
RT: 15.383 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:166 Resp: 383930

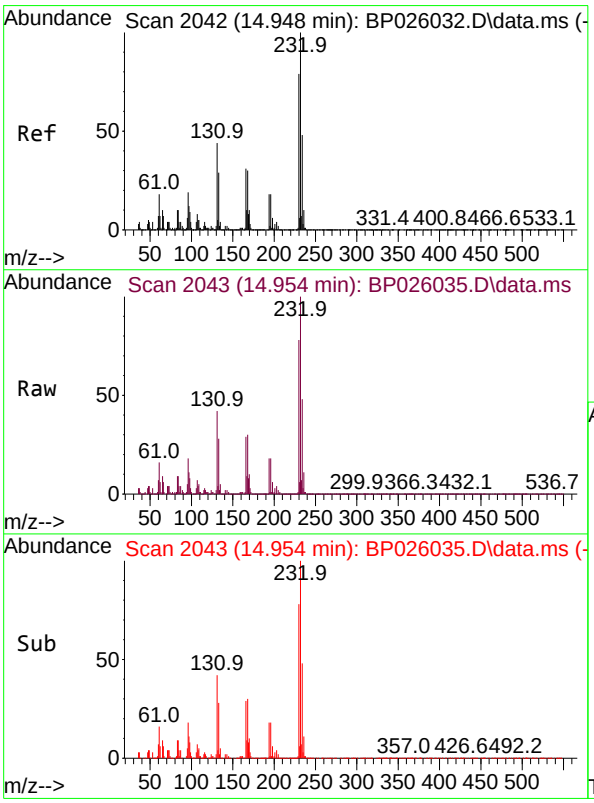
Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

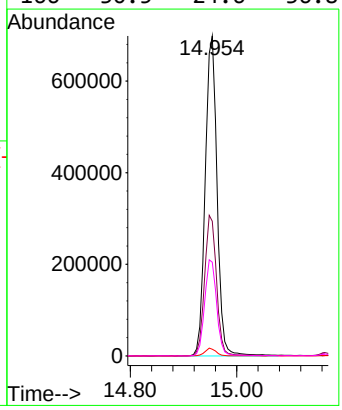
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

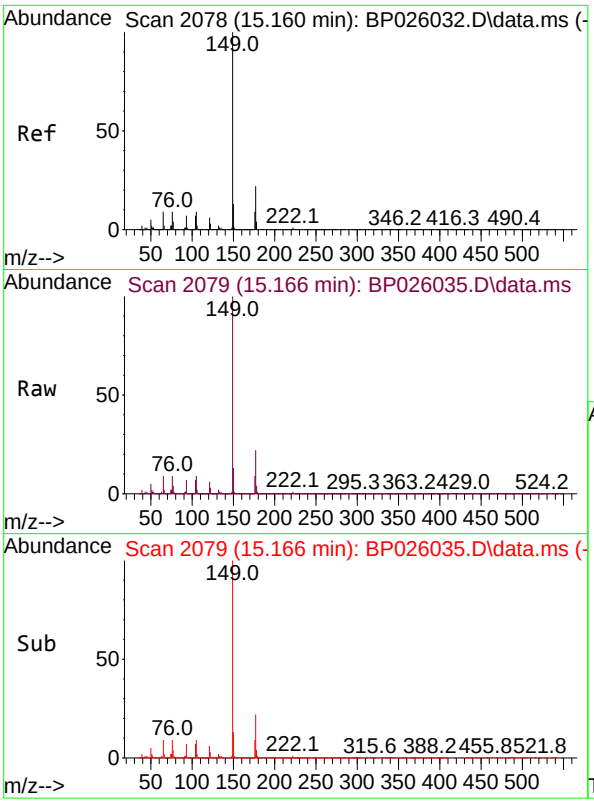


#59
2,3,4,6-Tetrachlorophenol
Concen: 89.860 ng
RT: 14.954 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:232 Resp: 1077698

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.2	52.8
130	2.3	1.7	2.5
166	30.5	24.6	36.8

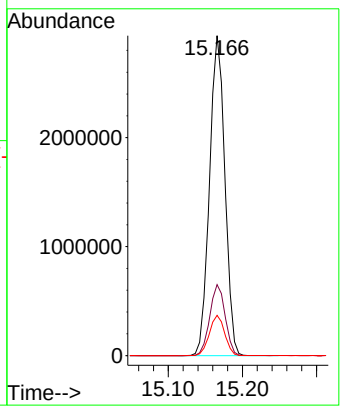




#60
Diethylphthalate
Concen: 79.517 ng
RT: 15.166 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 423238

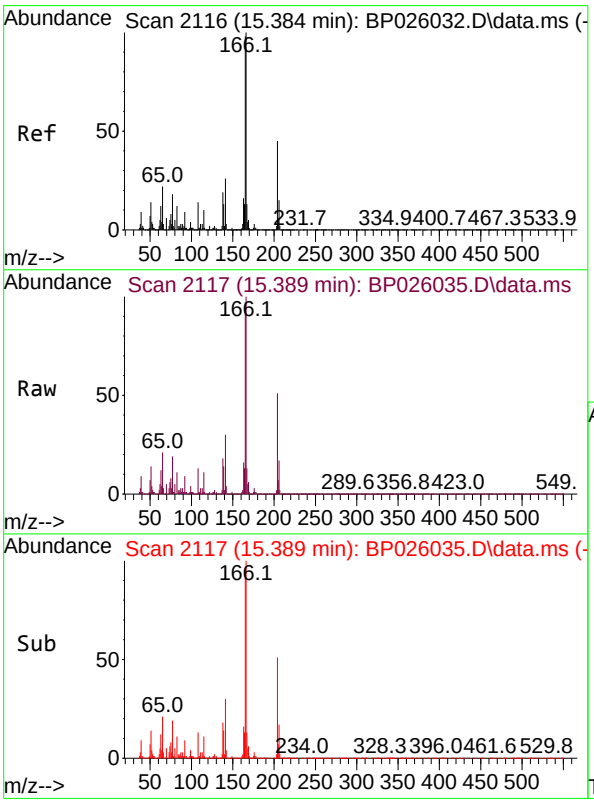
Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.6	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

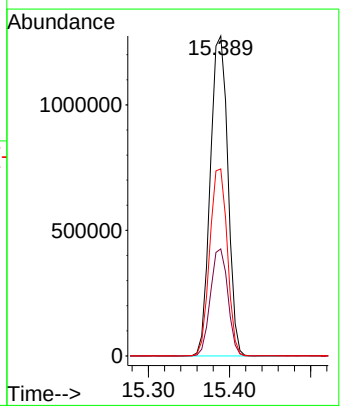
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

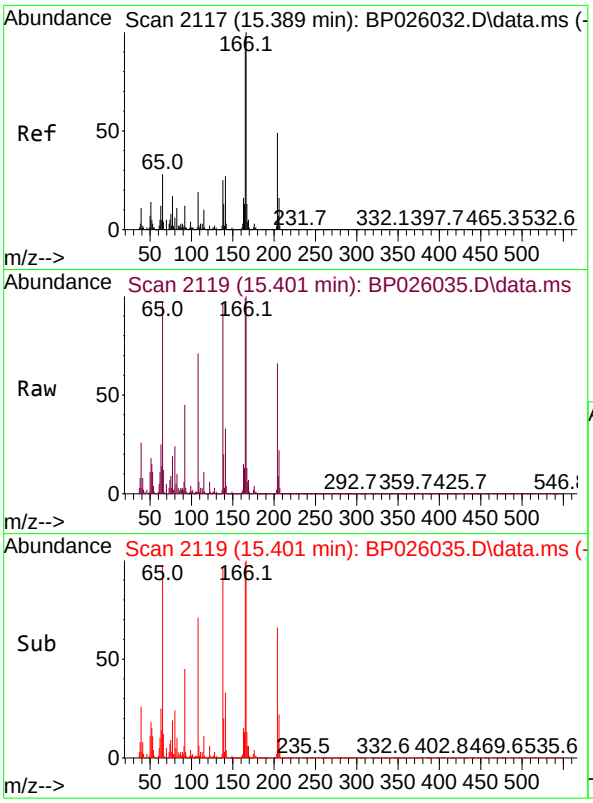


#61
4-Chlorophenyl-phenylether
Concen: 73.822 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:204 Resp: 1914592

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.2
141	58.4	47.0	70.4

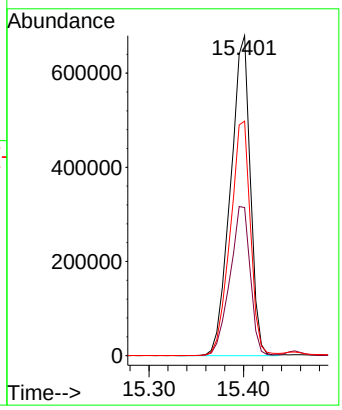




#62
4-Nitroaniline
Concen: 87.229 ng
RT: 15.401 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:138 Resp: 98685

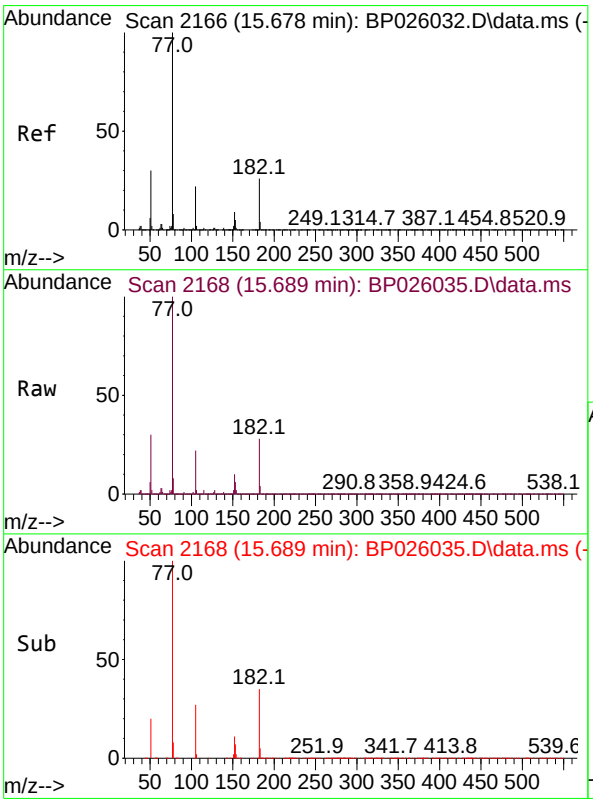
Ion	Ratio	Lower	Upper
138	100		
92	46.3	28.2	68.2
108	73.3	56.0	96.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

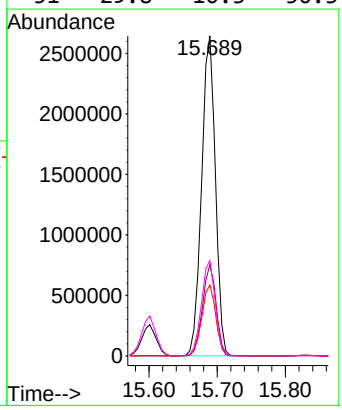
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

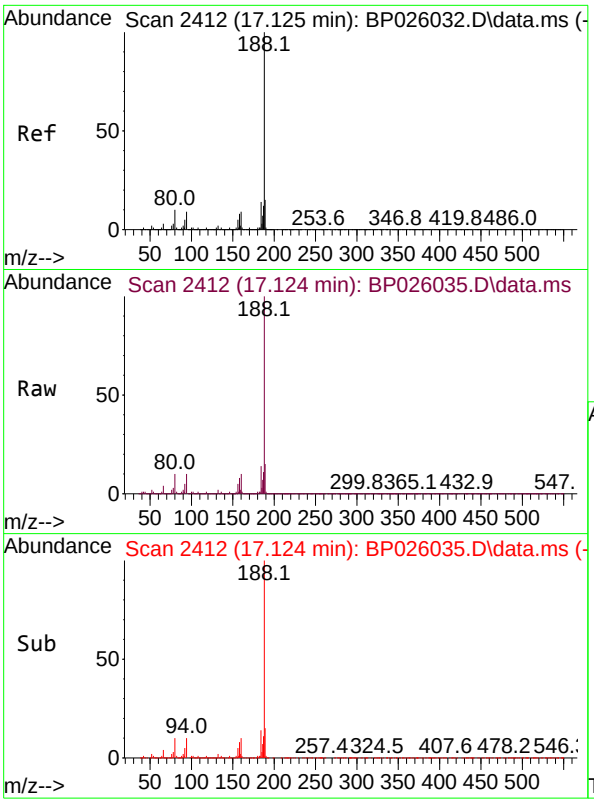


#63
Azobenzene
Concen: 77.187 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion: 77 Resp: 3723361

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.4	46.4
105	22.2	2.2	42.2
51	29.8	10.3	50.3

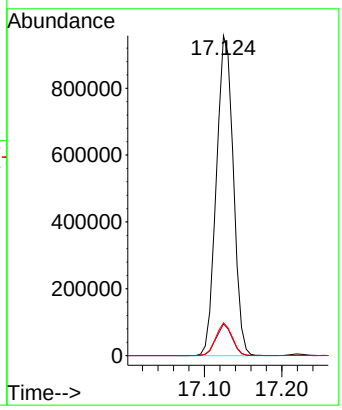




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.124 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:188 Resp: 145435

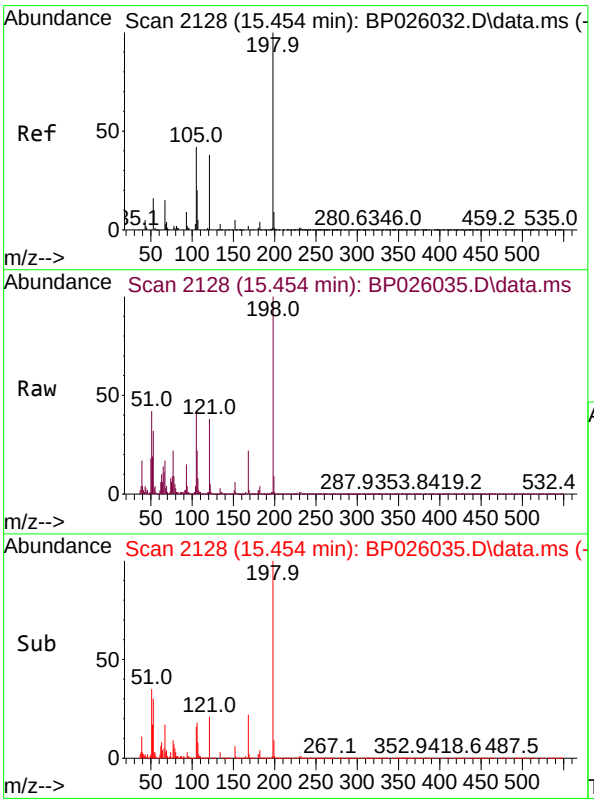
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.1	10.7
80	10.3	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

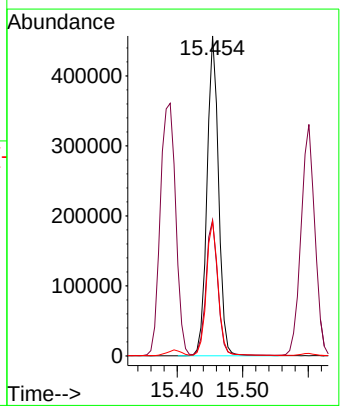
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

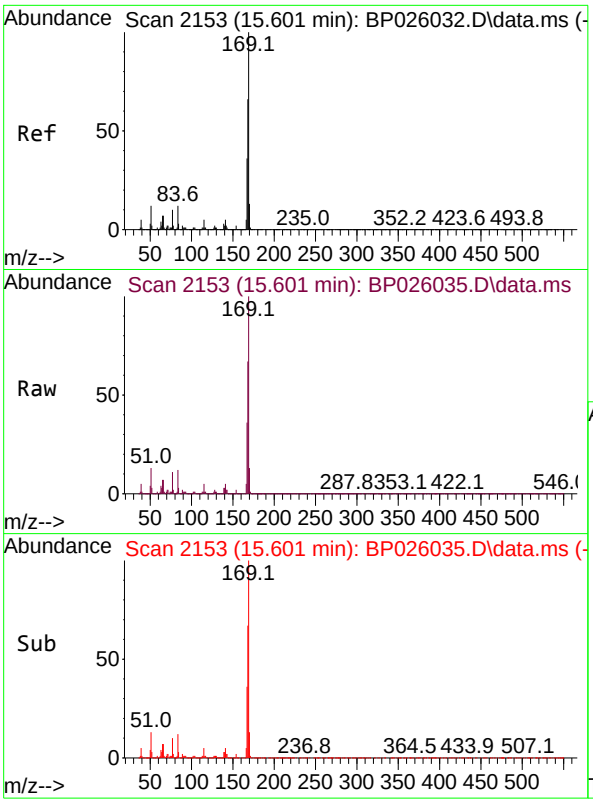


#65
4,6-Dinitro-2-methylphenol
Concen: 78.914 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:198 Resp: 556384

Ion	Ratio	Lower	Upper
198	100		
51	42.4	25.2	65.2
105	42.1	23.7	63.7

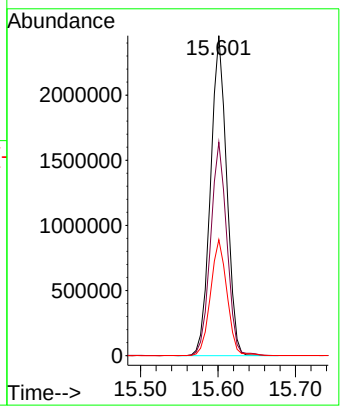




#66
n-Nitrosodiphenylamine
Concen: 78.206 ng
RT: 15.601 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:169 Resp: 355622

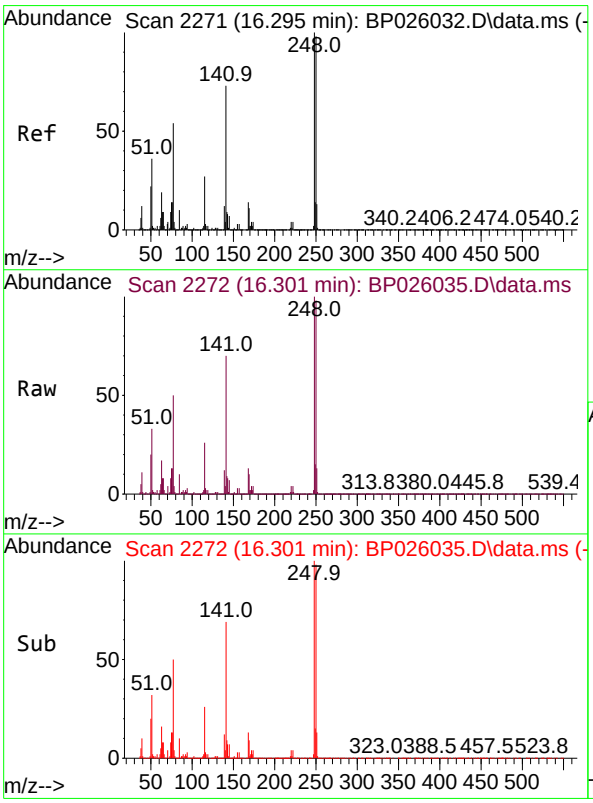
Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.2	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

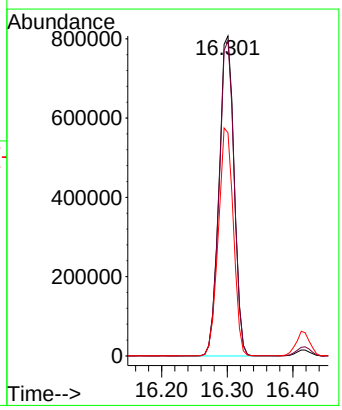
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

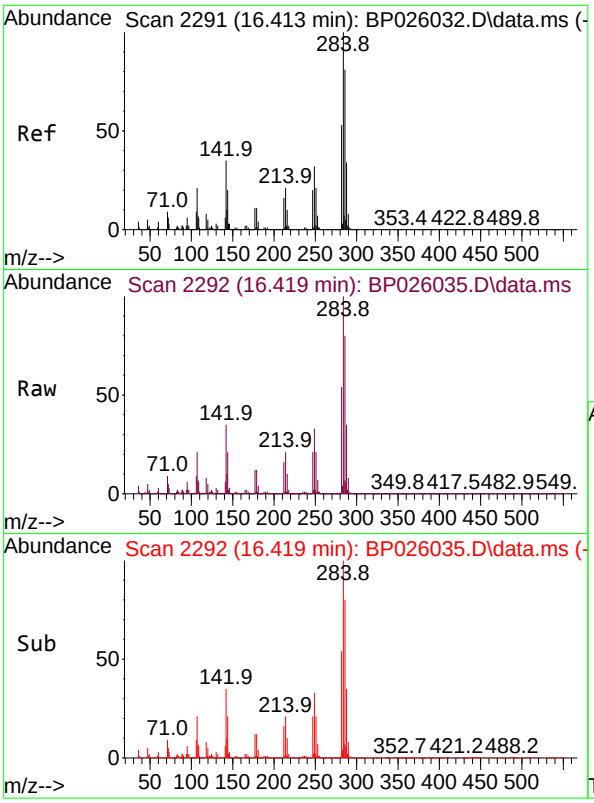


#67
4-Bromophenyl-phenylether
Concen: 80.020 ng
RT: 16.301 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:248 Resp: 1290917

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.4	117.6
141	69.7	58.3	87.5

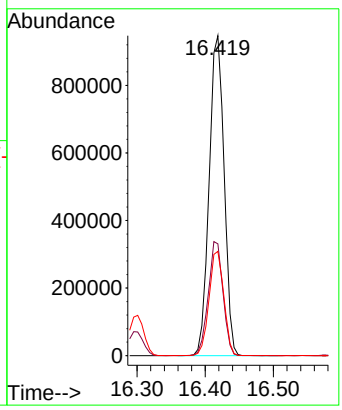




#68
Hexachlorobenzene
Concen: 78.359 ng
RT: 16.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:284 Resp: 143906

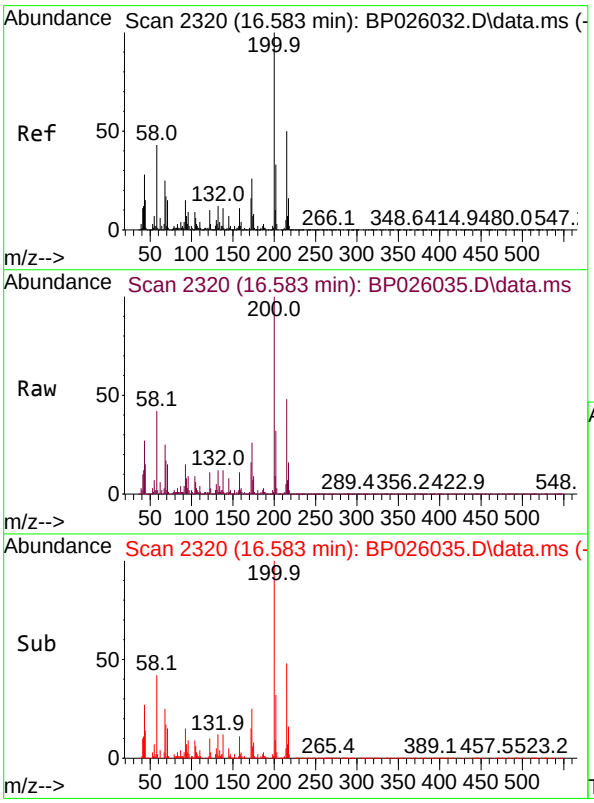
Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.7	41.5
249	32.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

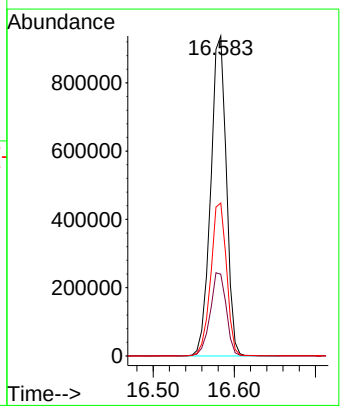
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

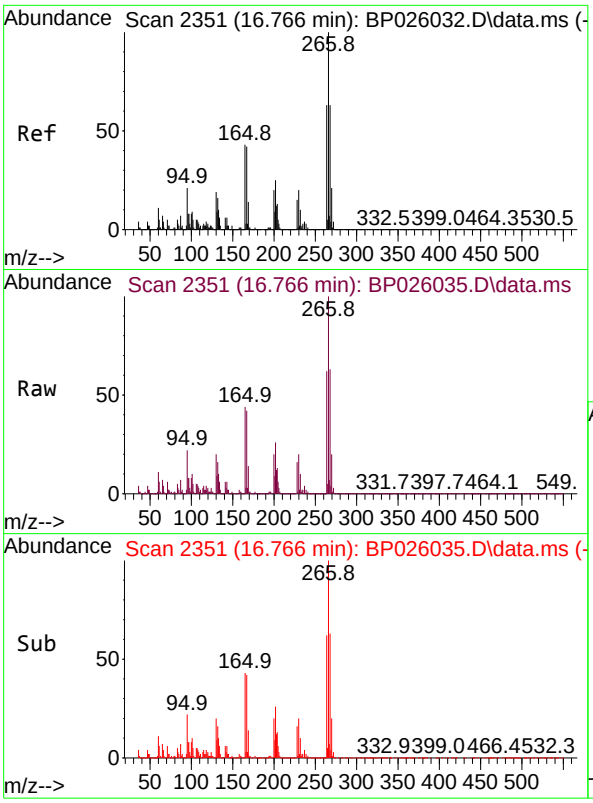


#69
Atrazine
Concen: 81.924 ng
RT: 16.583 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:200 Resp: 1256682

Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.2	46.2
215	47.8	29.8	69.8

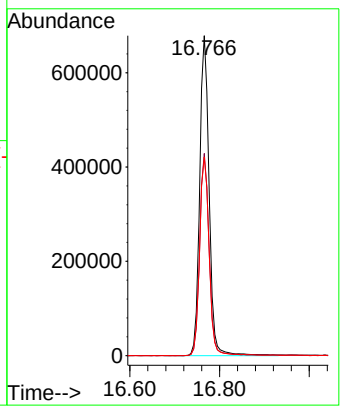




#70
Pentachlorophenol
Concen: 88.261 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:266 Resp: 990090

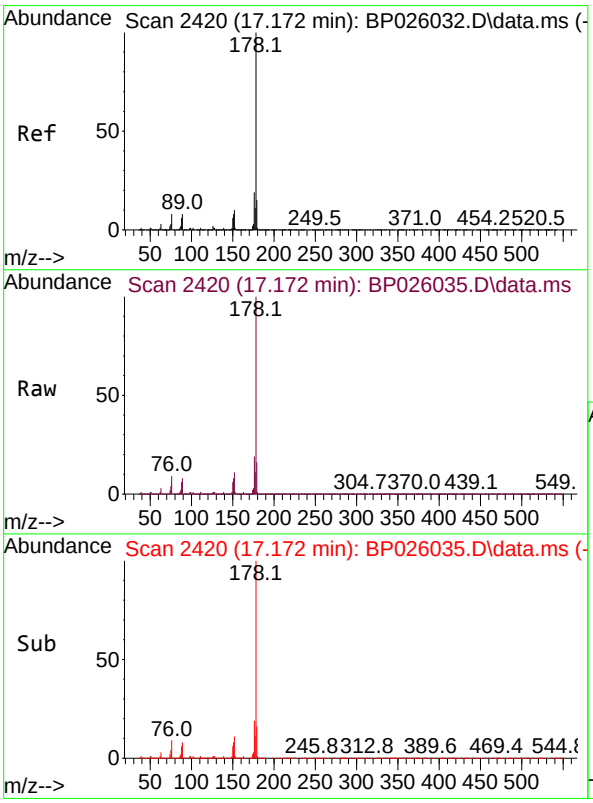
Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	76.0
264	62.1	50.2	75.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

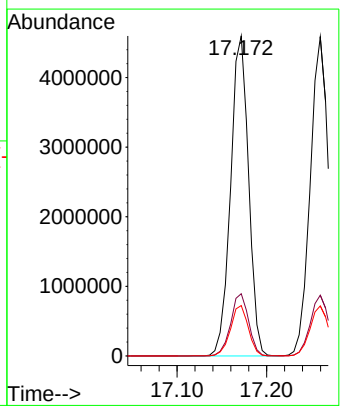
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

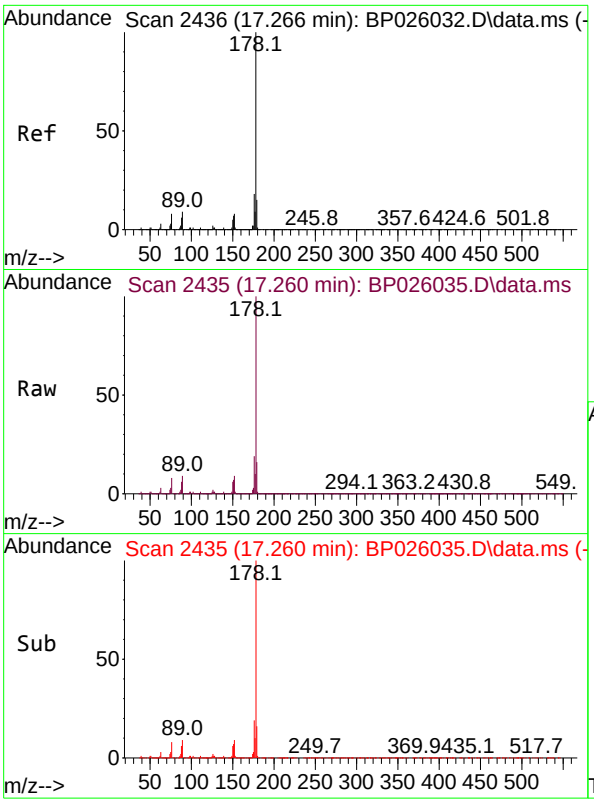


#71
Phenanthrene
Concen: 75.907 ng
RT: 17.172 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:178 Resp: 6425576

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.3	18.5

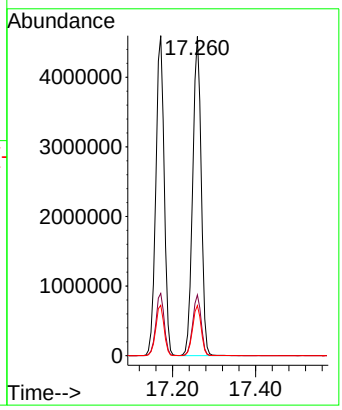




#72
Anthracene
Concen: 77.318 ng
RT: 17.260 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:178 Resp: 6487799

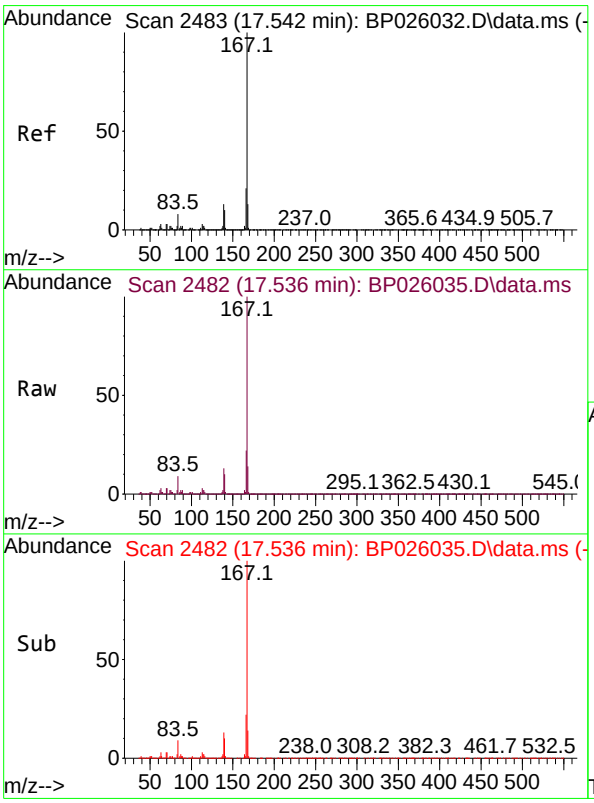
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.7	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

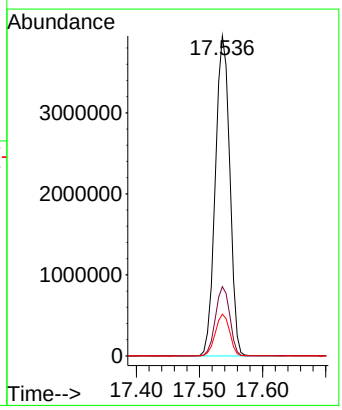
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

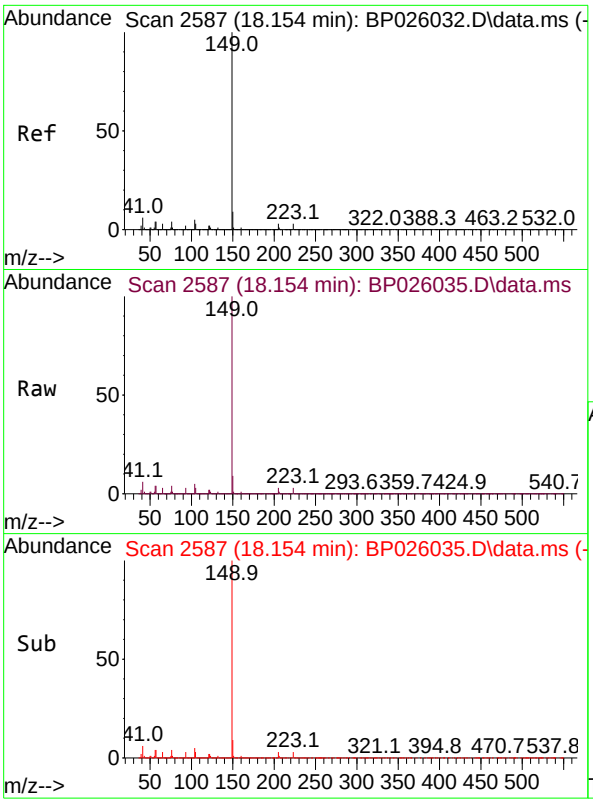


#73
Carbazole
Concen: 78.943 ng
RT: 17.536 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:167 Resp: 6270446

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.0	10.2	15.2

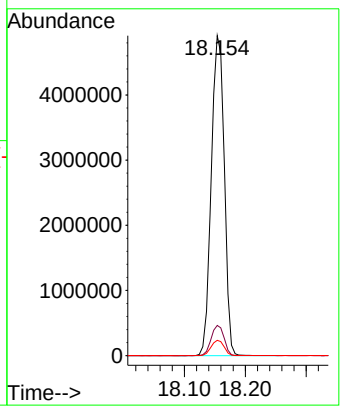




#74
Di-n-butylphthalate
Concen: 81.950 ng
RT: 18.154 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 728361

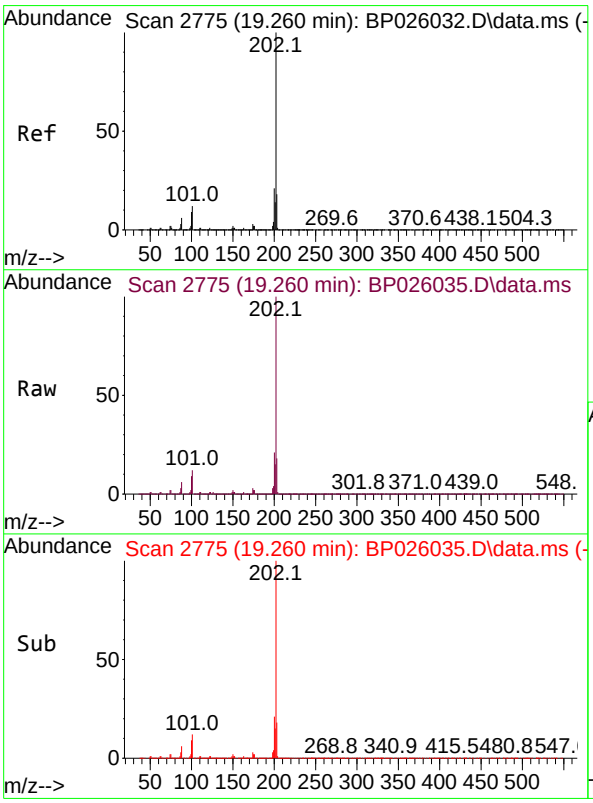
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

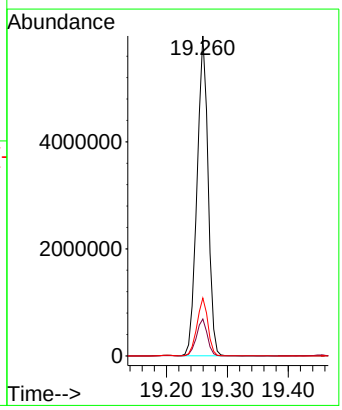
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

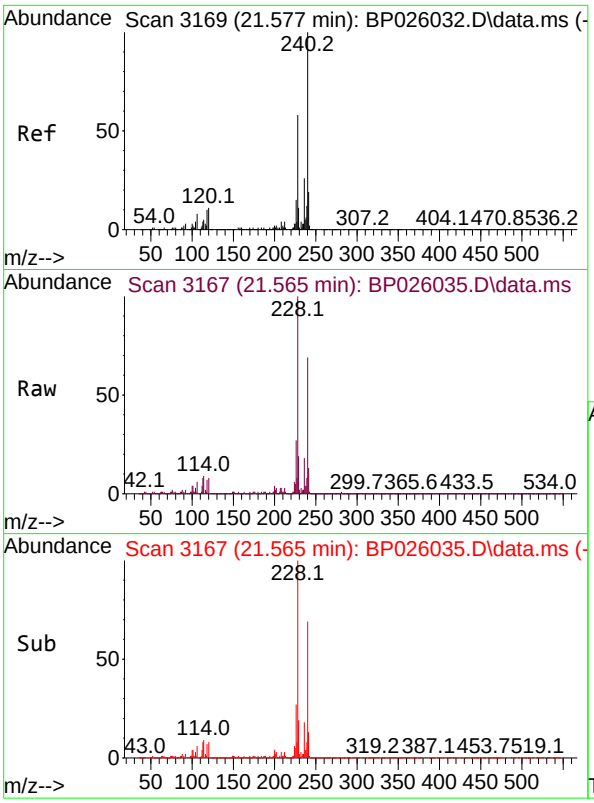


#75
Fluoranthene
Concen: 76.268 ng
RT: 19.260 min Scan# 2775
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:202 Resp: 7531112

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.1
203	18.1	0.0	37.6

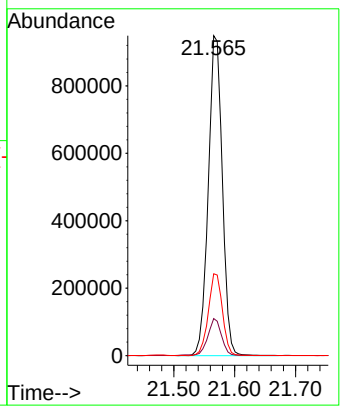




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:240 Resp: 151801

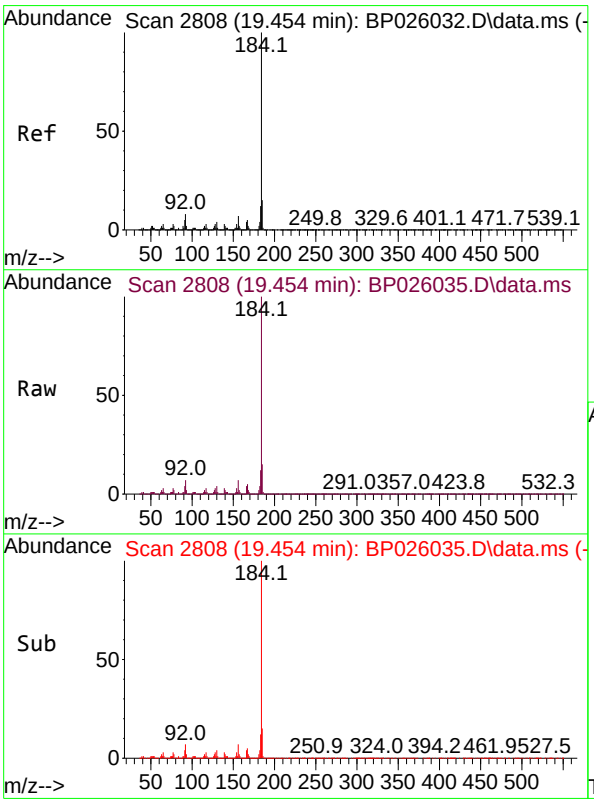
Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	25.6	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

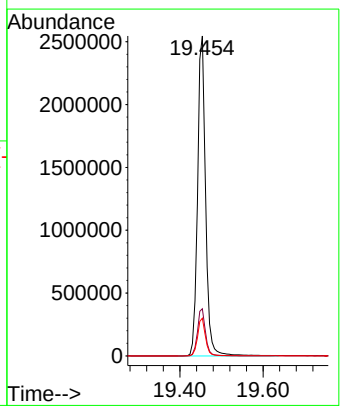
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

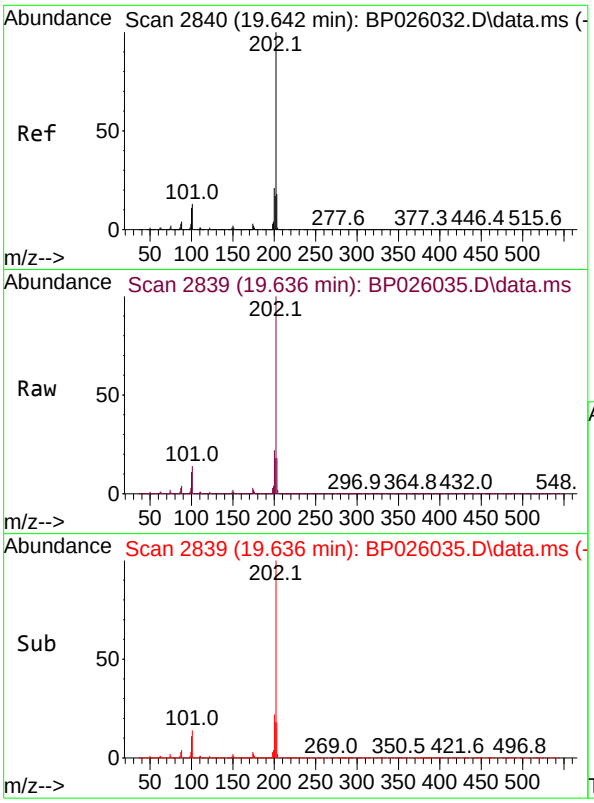


#77
Benzidine
Concen: 88.260 ng
RT: 19.454 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:184 Resp: 3400762

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.8	9.2	13.8

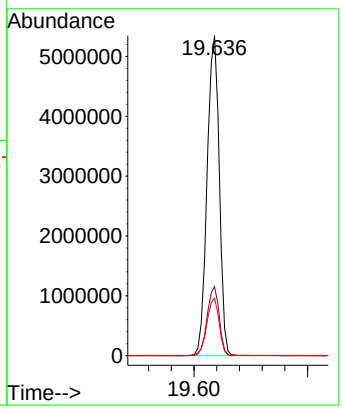




#78
Pyrene
Concen: 77.487 ng
RT: 19.636 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:202 Resp: 795558

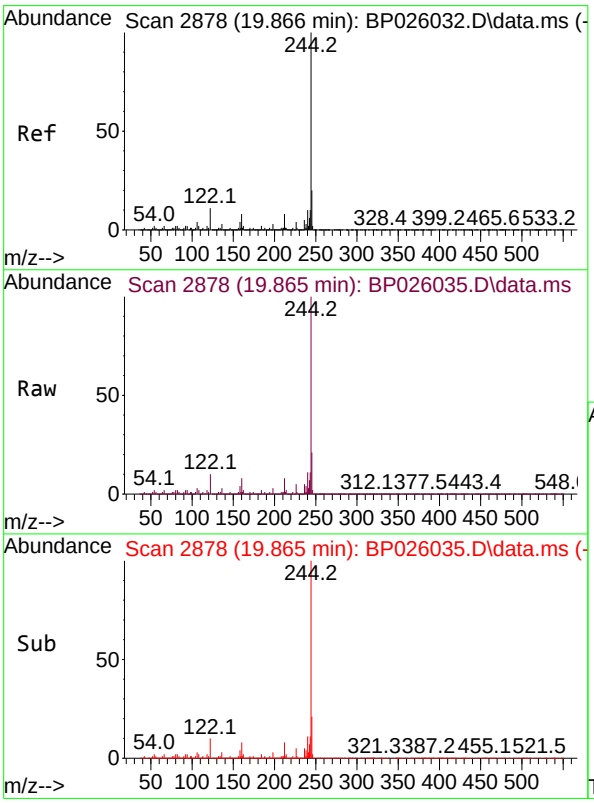
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	18.0	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

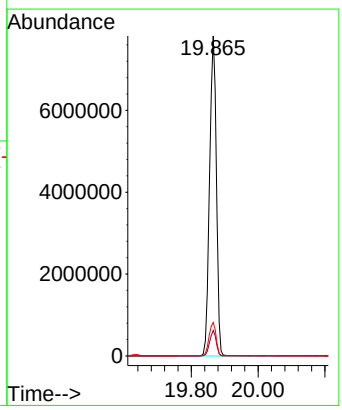
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

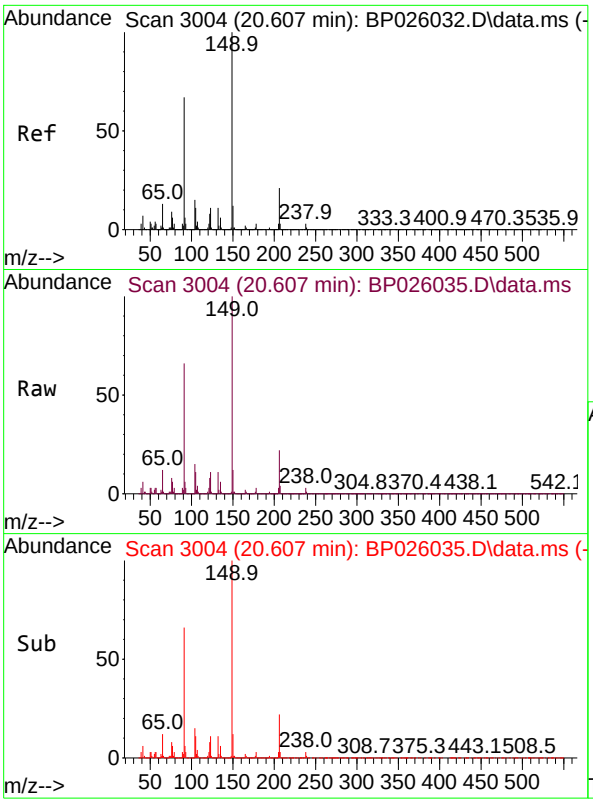


#79
Terphenyl-d14
Concen: 147.627 ng
RT: 19.865 min Scan# 2878
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:244 Resp:11030199

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	10.4	9.0	13.6

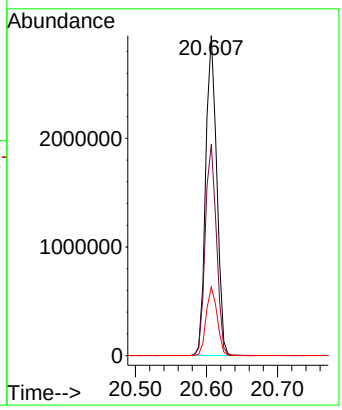




#80
Butylbenzylphthalate
Concen: 80.010 ng
RT: 20.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 316039

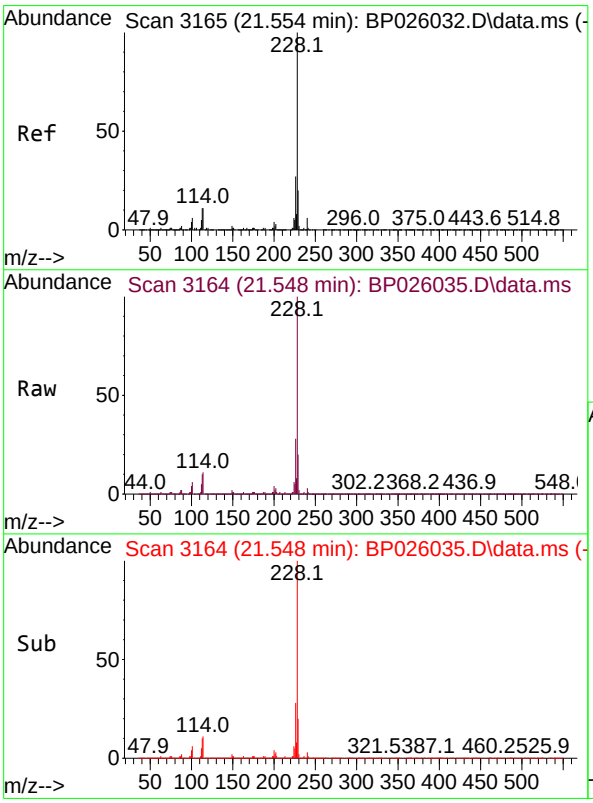
Ion	Ratio	Lower	Upper
149	100		
91	66.1	53.5	80.3
206	21.5	16.6	25.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

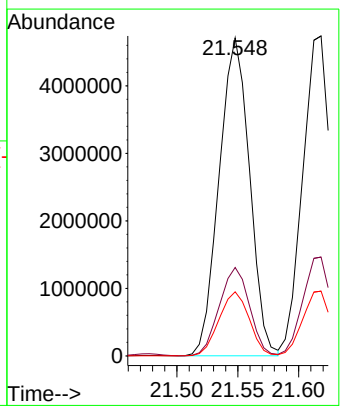
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

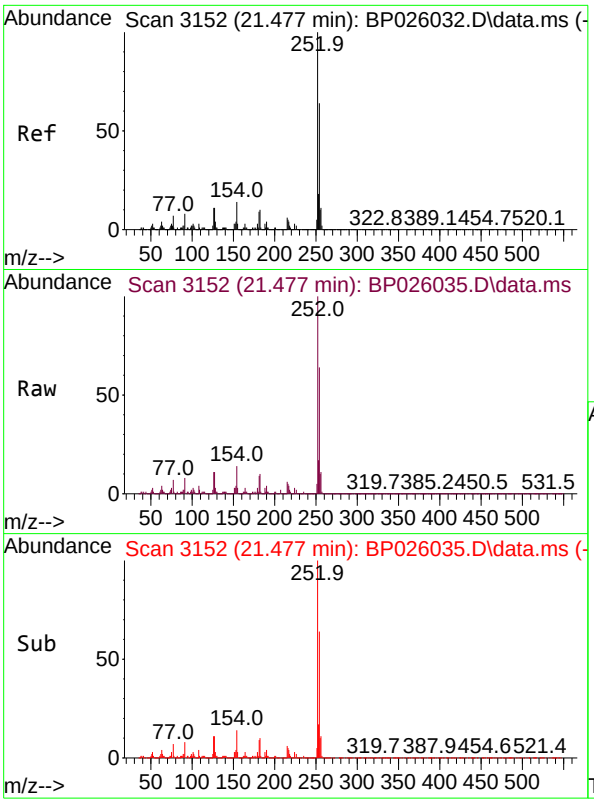


#81
Benzo(a)anthracene
Concen: 78.602 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:228 Resp: 8199298

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	20.1	15.8	23.8

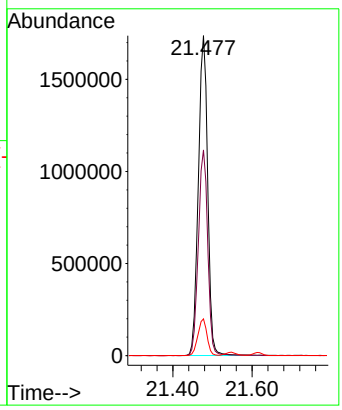




#82
3,3'-Dichlorobenzidine
Concen: 84.414 ng
RT: 21.477 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:252 Resp: 283710

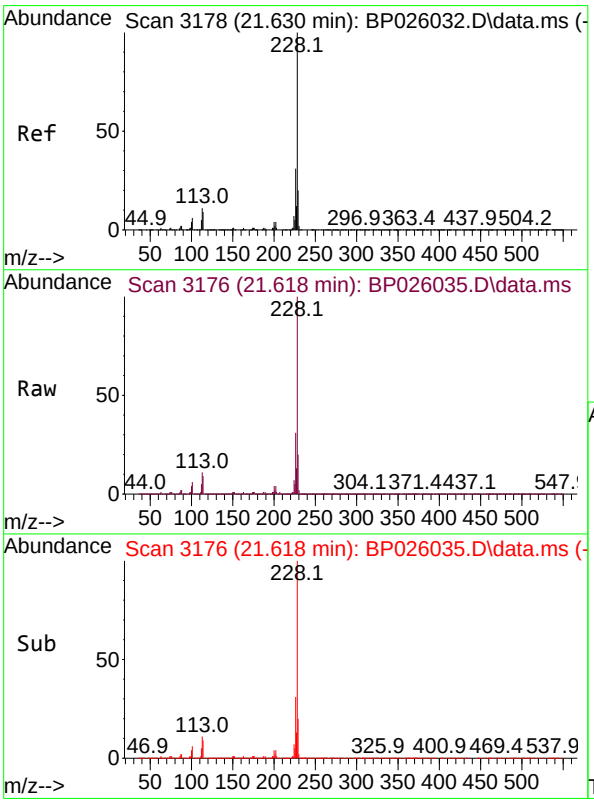
Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.3	76.9
126	11.5	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

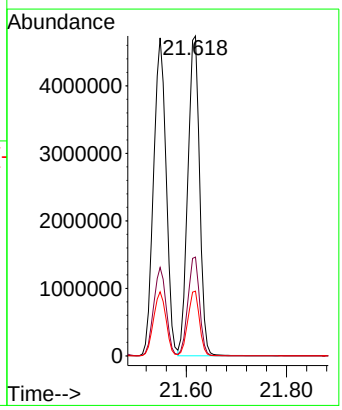
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

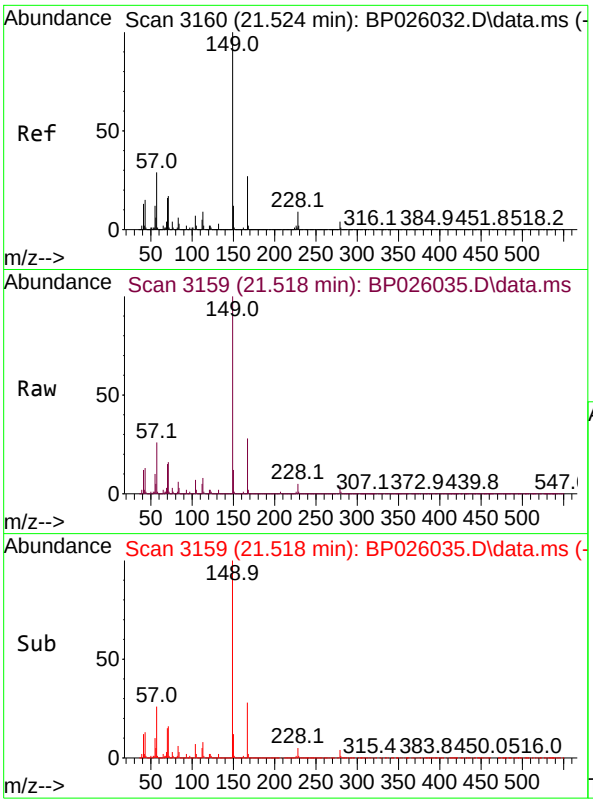


#83
Chrysene
Concen: 77.890 ng
RT: 21.618 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:228 Resp: 7696535

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.2	16.0	24.0

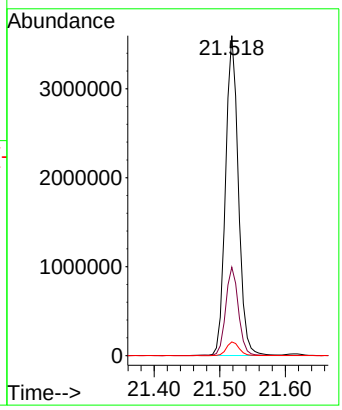




#84
Bis(2-ethylhexyl)phthalate
Concen: 77.525 ng
RT: 21.518 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 490353

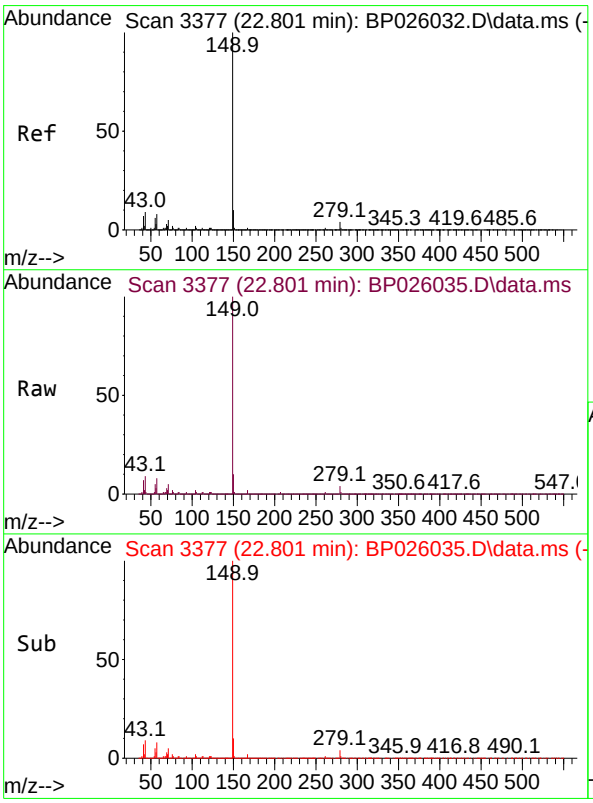
Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.5	32.3
279	4.3	3.0	4.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

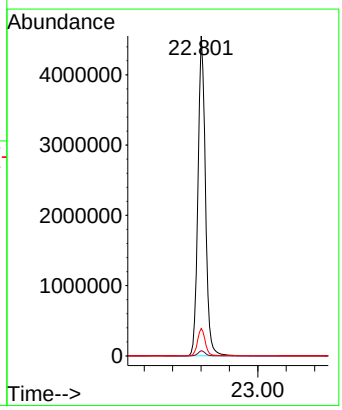
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

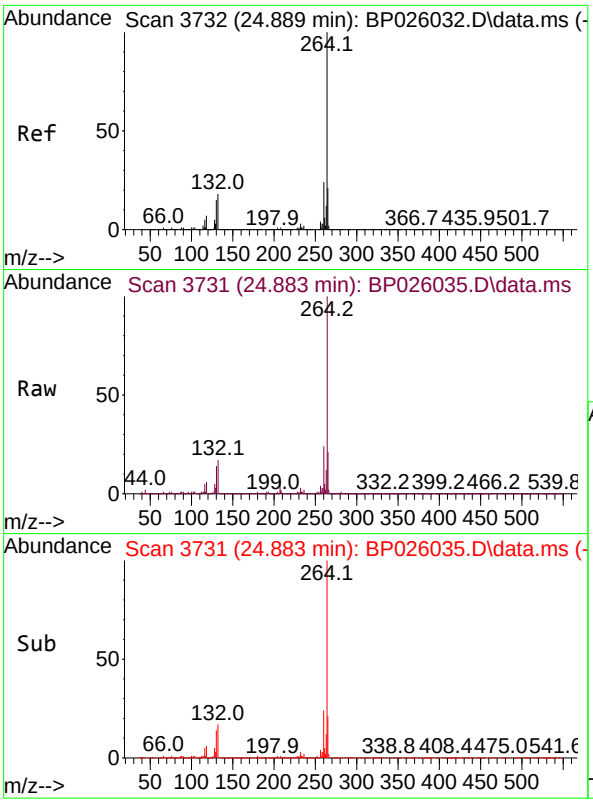


#85
Di-n-octyl phthalate
Concen: 91.682 ng
RT: 22.801 min Scan# 3377
Delta R.T. -0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:149 Resp: 8284794

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	7.6	11.4

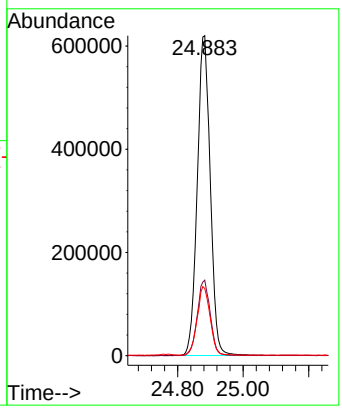




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.883 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:264 Resp: 169300

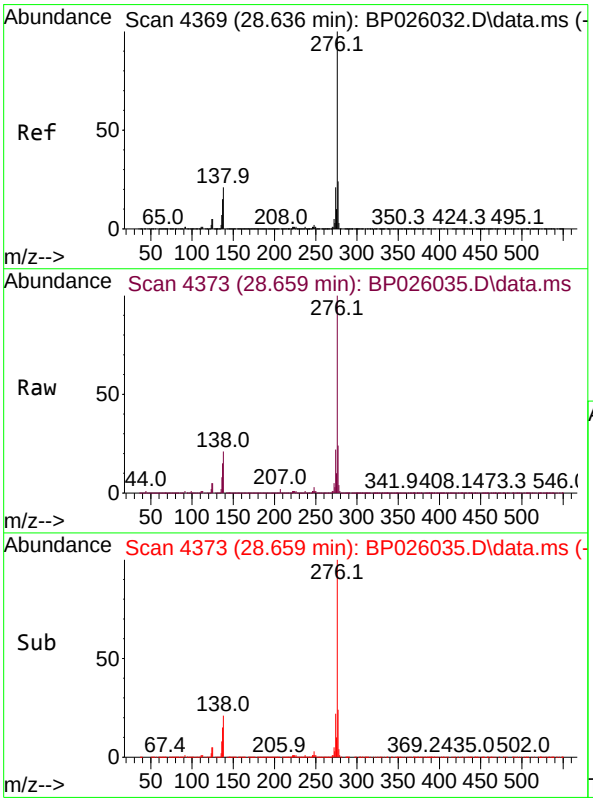
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.0	17.2	25.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

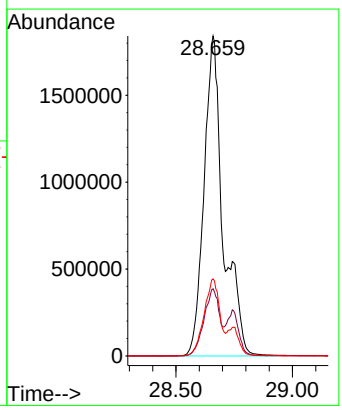
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

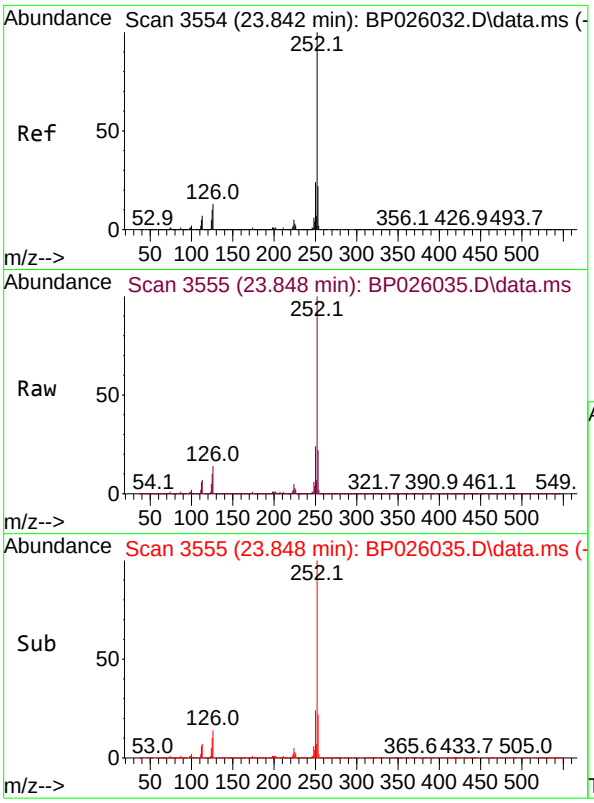


#87
Indeno(1,2,3-cd)pyrene
Concen: 84.304 ng m
RT: 28.659 min Scan# 4373
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:276 Resp:10532958

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.2	19.8
277	19.7	16.3	24.5

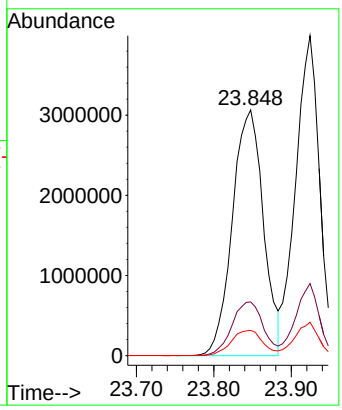




#88
Benzo(b)fluoranthene
Concen: 81.284 ng
RT: 23.848 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:252 Resp: 854297

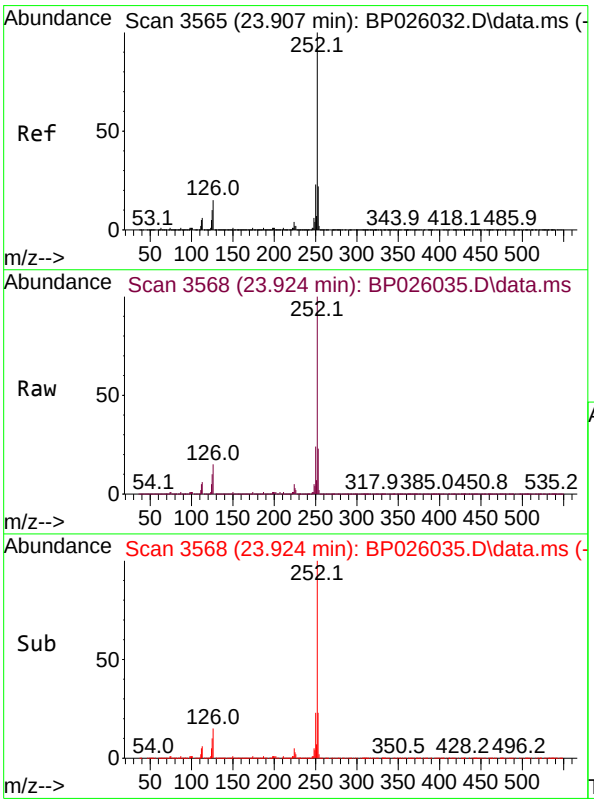
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.3	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

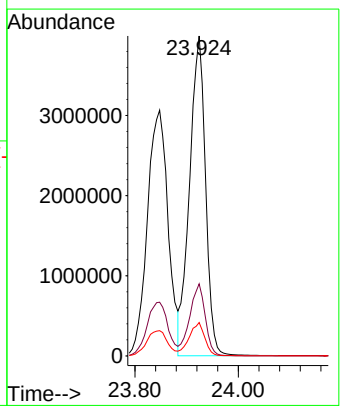
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

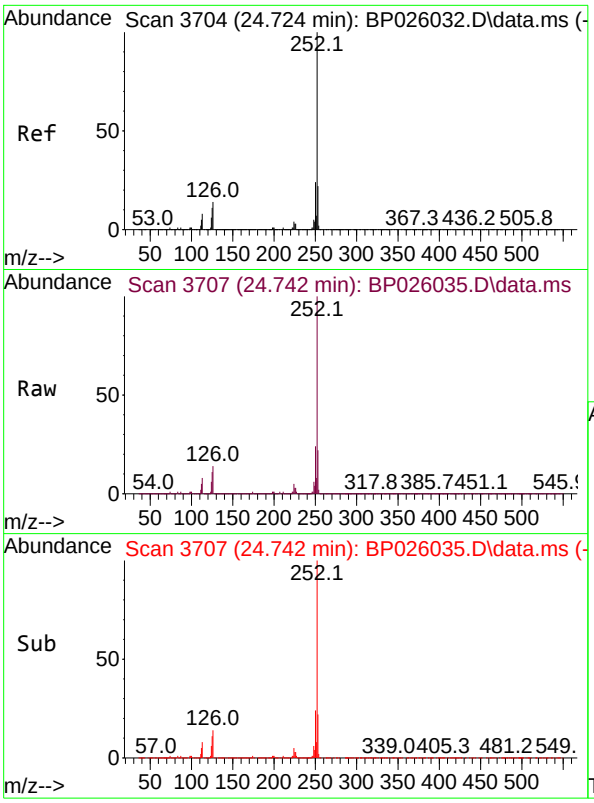


#89
Benzo(k)fluoranthene
Concen: 79.943 ng
RT: 23.924 min Scan# 3568
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:252 Resp: 8579950

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.1	12.1





#90
Benzo(a)pyrene
Concen: 83.215 ng
RT: 24.742 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

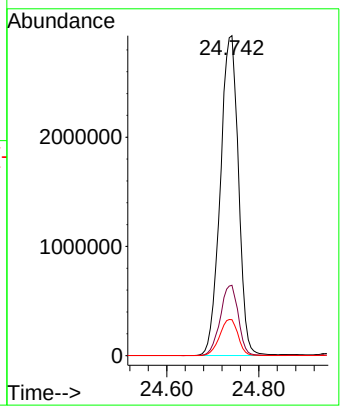
Tgt Ion:252 Resp: 803486

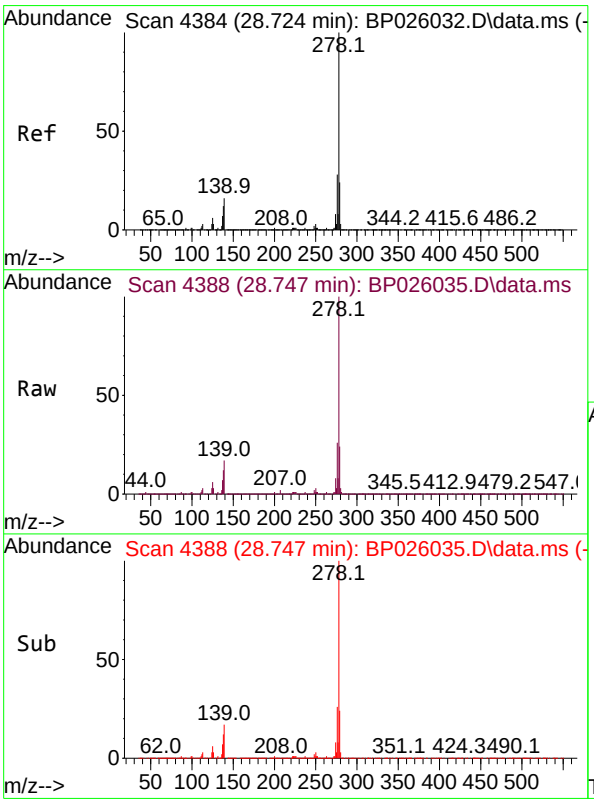
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.2	9.1	13.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

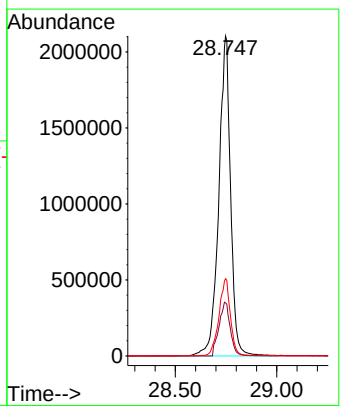


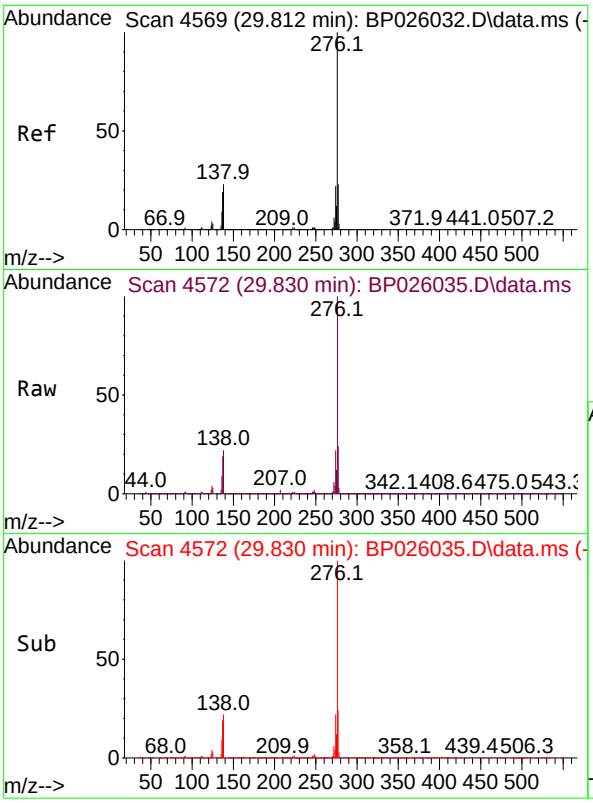


#91
Dibenzo(a,h)anthracene
Concen: 83.540 ng
RT: 28.747 min Scan# 4388
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:278 Resp: 8497246

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.0	19.6
279	24.2	18.9	28.3

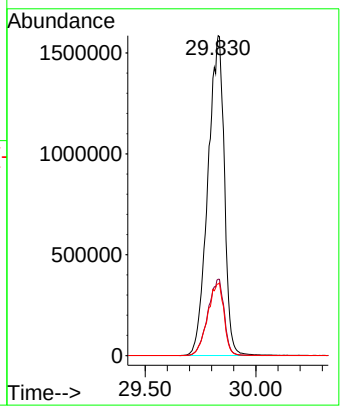




#92
Benzo(g,h,i)perylene
Concen: 83.299 ng
RT: 29.830 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026035.D
Acq: 29 Oct 2025 14:13

Tgt Ion:276 Resp: 8153149

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	22.4	18.1	27.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.637	152	281938	20.000	ng		-0.05
21) Naphthalene-d8	10.413	136	1165829	20.000	ng		-0.04
39) Acenaphthene-d10	14.313	164	734180	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1529844	20.000	ng		0.00
76) Chrysene-d12	21.577	240	1603754	20.000	ng		0.01
86) Perylene-d12	24.901	264	1688986	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.249	112	1169189	68.429	ng		-0.05
7) Phenol-d6	6.807	99	1480783	68.090	ng		-0.05
23) Nitrobenzene-d5	8.784	82	1283881	68.652	ng		-0.04
42) 2,4,6-Tribromophenol	15.830	330	577899	72.809	ng		0.00
45) 2-Fluorobiphenyl	12.913	172	3425177	67.037	ng		-0.02
79) Terphenyl-d14	19.871	244	5329468	67.515	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.214	88	239880	33.303	ng		100
3) Pyridine	3.590	79	668959	32.670	ng		99
4) n-Nitrosodimethylamine	3.508	42	288399	35.142	ng		97
6) Aniline	6.972	93	1040197	35.839	ng		100
8) 2-Chlorophenol	7.202	128	654572	34.596	ng		97
9) Benzaldehyde	6.784	77	520334m	46.027	ng		
10) Phenol	6.831	94	816366	33.813	ng		99
11) bis(2-Chloroethyl)ether	7.066	93	645531	33.880	ng		99
12) 1,3-Dichlorobenzene	7.531	146	750462	34.538	ng		99
13) 1,4-Dichlorobenzene	7.678	146	771097	35.099	ng		98
14) 1,2-Dichlorobenzene	7.990	146	735657	35.092	ng		99
15) Benzyl Alcohol	7.866	79	551625	35.185	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.172	45	965445	33.526	ng		98
17) 2-Methylphenol	8.078	107	553305	34.998	ng		99
18) Hexachloroethane	8.713	117	259803	34.560	ng		100
19) n-Nitroso-di-n-propyla...	8.443	70	490575	36.340	ng		98
20) 3+4-Methylphenols	8.396	107	753178	34.245	ng		98
22) Acetophenone	8.449	105	1054241	35.756	ng	#	98
24) Nitrobenzene	8.825	77	687636	34.825	ng		98
25) Isophorone	9.343	82	1403746	35.069	ng		100
26) 2-Nitrophenol	9.525	139	257308	36.106	ng		97
27) 2,4-Dimethylphenol	9.584	122	632451	37.573	ng		99
28) bis(2-Chloroethoxy)met...	9.837	93	869155	34.454	ng		99
29) 2,4-Dichlorophenol	10.060	162	614929	34.599	ng		99
30) 1,2,4-Trichlorobenzene	10.278	180	684636	35.441	ng		97
31) Naphthalene	10.466	128	2154430	33.888	ng		100
32) Benzoic acid	9.690	122	351760	37.646	ng		98
33) 4-Chloroaniline	10.566	127	949777	38.877	ng		99
34) Hexachlorobutadiene	10.760	225	415865	33.876	ng		99
35) Caprolactam	11.319	113	217407	34.833	ng		96
36) 4-Chloro-3-methylphenol	11.695	107	646328	34.690	ng		98
37) 2-Methylnaphthalene	12.084	142	1378858	30.988	ng		99
38) 1-Methylnaphthalene	12.319	142	1423665	32.934	ng		100
40) 1,2,4,5-Tetrachloroben...	12.460	216	786568	34.481	ng		100
41) Hexachlorocyclopentadiene	12.448	237	393924	47.197	ng		99
43) 2,4,6-Trichlorophenol	12.701	196	489212	36.282	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	543516	35.326	ng	96
46) 1,1'-Biphenyl	13.113	154	1971667	35.073	ng	100
47) 2-Chloronaphthalene	13.154	162	1471874	33.277	ng	98
48) 2-Nitroaniline	13.354	65	374554	33.821	ng	99
49) Acenaphthylene	14.031	152	2509218	38.923	ng	100
50) Dimethylphthalate	13.760	163	1875076	35.112	ng	100
51) 2,6-Dinitrotoluene	13.866	165	367251	37.528	ng	96
52) Acenaphthene	14.378	154	1458746	32.961	ng	99
53) 3-Nitroaniline	14.195	138	425192	36.037	ng	97
54) 2,4-Dinitrophenol	14.413	184	126516	36.040	ng	97
55) Dibenzofuran	14.719	168	2269310	33.938	ng	99
56) 4-Nitrophenol	14.507	139	348249	32.703	ng	97
57) 2,4-Dinitrotoluene	14.678	165	499801	35.013	ng	100
58) Fluorene	15.378	166	1851395	35.342	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	474164	39.197	ng	99
60) Diethylphthalate	15.166	149	1879900	35.015	ng	99
61) 4-Chlorophenyl-phenyle...	15.389	204	887559	33.928	ng	99
62) 4-Nitroaniline	15.395	138	432391	37.891	ng	98
63) Azobenzene	15.689	77	1705483	35.051	ng	99
65) 4,6-Dinitro-2-methylph...	15.454	198	200079	35.409	ng	93
66) n-Nitrosodiphenylamine	15.601	169	1610105	33.661	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	556621	32.800	ng	98
68) Hexachlorobenzene	16.419	284	633716	32.804	ng	99
69) Atrazine	16.583	200	598775	37.108	ng	97
70) Pentachlorophenol	16.760	266	397848	33.716	ng	99
71) Phenanthrene	17.166	178	2914044	32.726	ng	100
72) Anthracene	17.260	178	2948850	33.409	ng	100
73) Carbazole	17.536	167	2792407	33.421	ng	100
74) Di-n-butylphthalate	18.154	149	3284045	35.126	ng	100
75) Fluoranthene	19.266	202	3440878	33.126	ng	99
77) Benzidine	19.454	184	1960099	48.151	ng	100
78) Pyrene	19.642	202	3569948	32.912	ng	99
80) Butylbenzylphthalate	20.613	149	1317625	33.630	ng	98
81) Benzo(a)anthracene	21.560	228	3642485	33.052	ng	100
82) 3,3'-Dichlorobenzidine	21.483	252	1322765	37.253	ng	100
83) Chrysene	21.624	228	3395520	32.526	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	2128720	33.750	ng	99
85) Di-n-octyl phthalate	22.818	149	3214231	33.668	ng	99
87) Indeno(1,2,3-cd)pyrene	28.671	276	4151592m	33.295	ng	
88) Benzo(b)fluoranthene	23.848	252	3575209	34.098	ng	99
89) Benzo(k)fluoranthene	23.930	252	3681173	34.381	ng	100
90) Benzo(a)pyrene	24.742	252	3373695	35.024	ng	99
91) Dibenzo(a,h)anthracene	28.765	278	3437827	33.879	ng	99
92) Benzo(g,h,i)perylene	29.836	276	3306526	33.862	ng	99

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

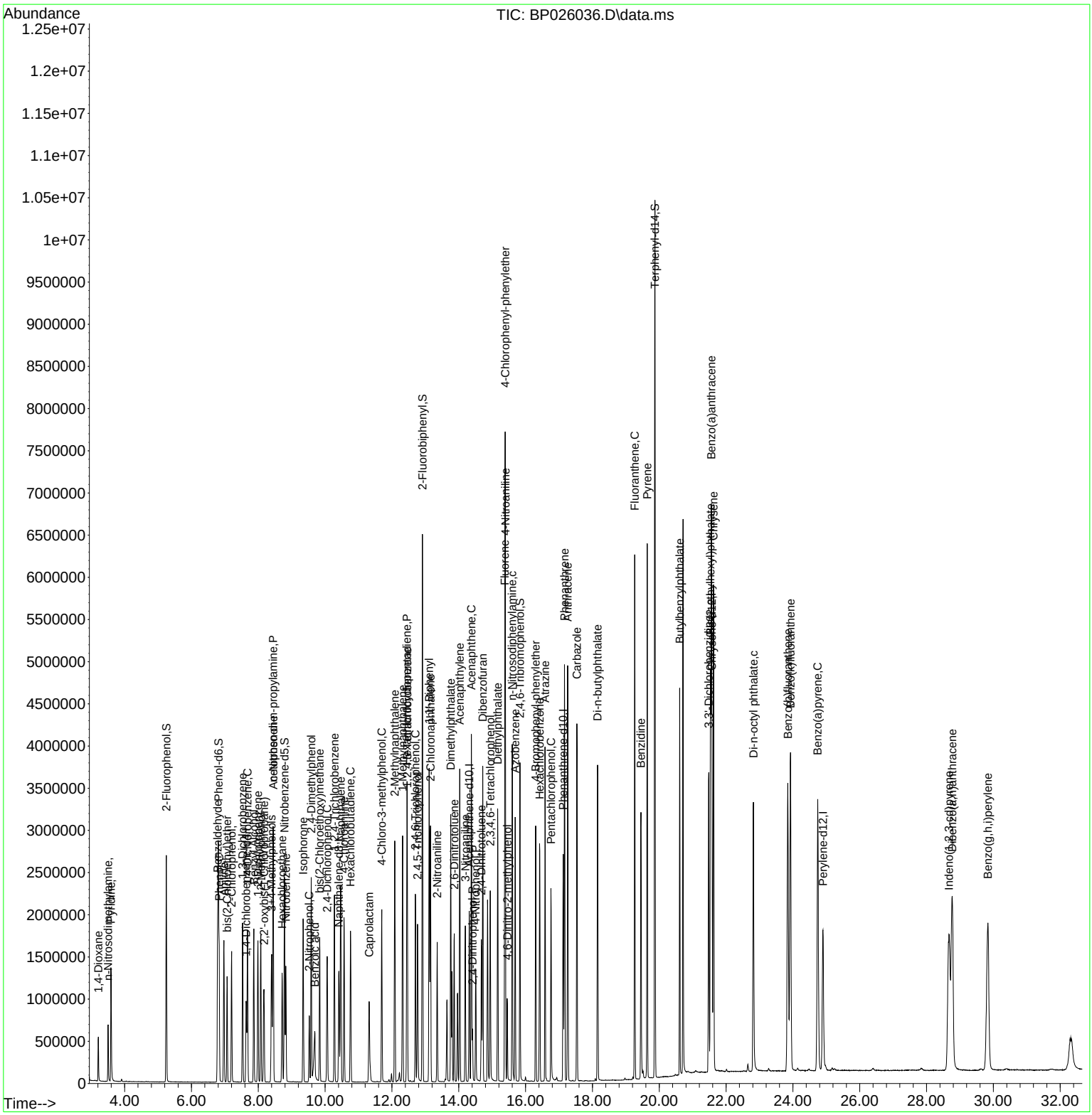
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

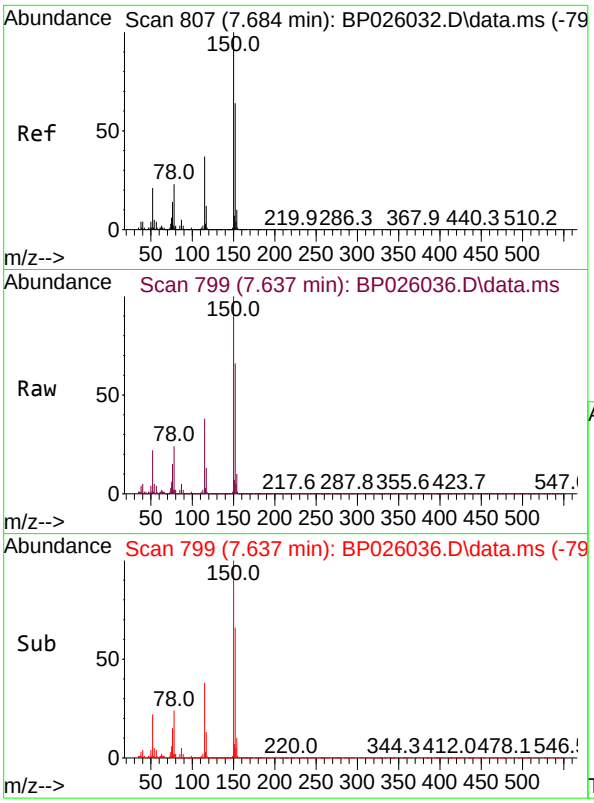
Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

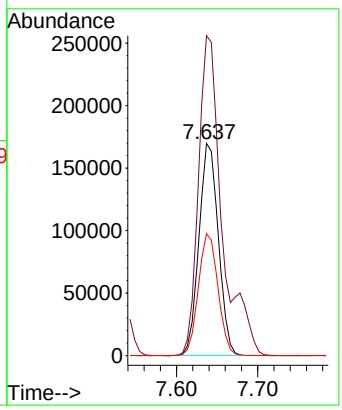




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.637 min Scan# 79
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:152 Resp: 28193

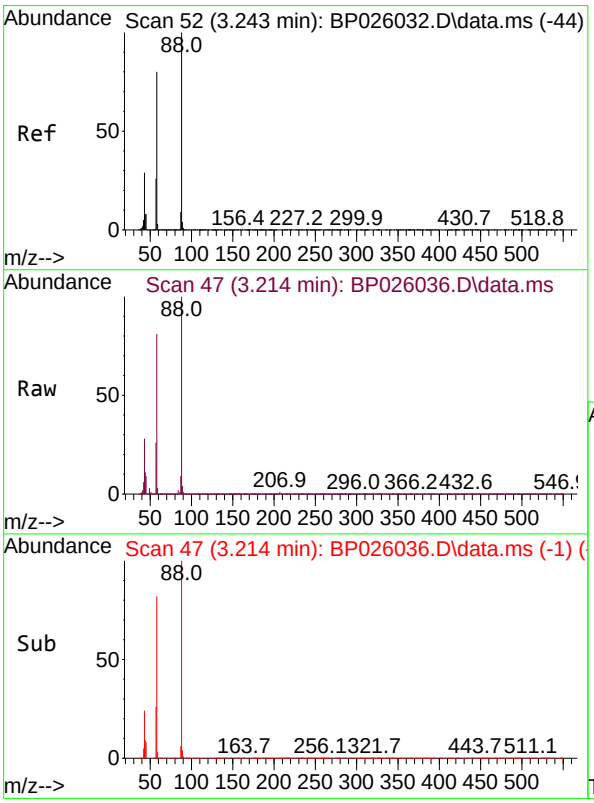
Ion	Ratio	Lower	Upper
152	100		
150	150.8	125.7	188.5
115	57.4	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

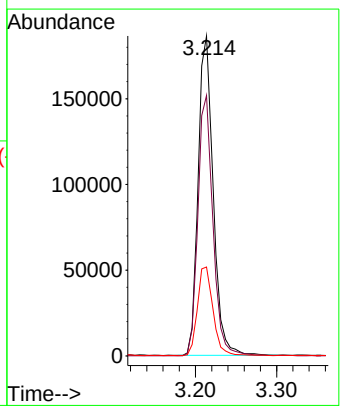
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

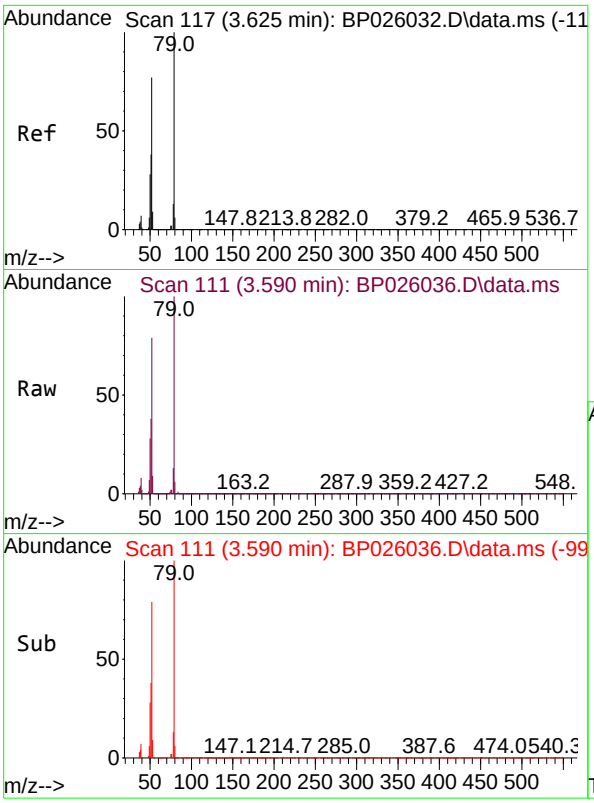


#2
1,4-Dioxane
Concen: 33.303 ng
RT: 3.214 min Scan# 47
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 88 Resp: 239880

Ion	Ratio	Lower	Upper
88	100		
58	81.5	65.4	98.0
43	28.8	23.1	34.7

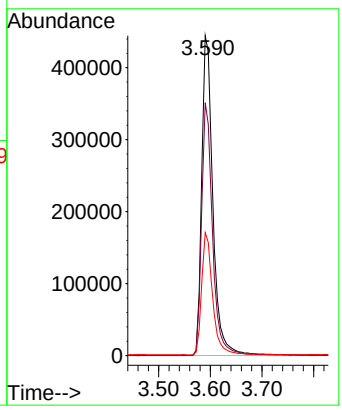




#3
Pyridine
Concen: 32.670 ng
RT: 3.590 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 79 Resp: 668959

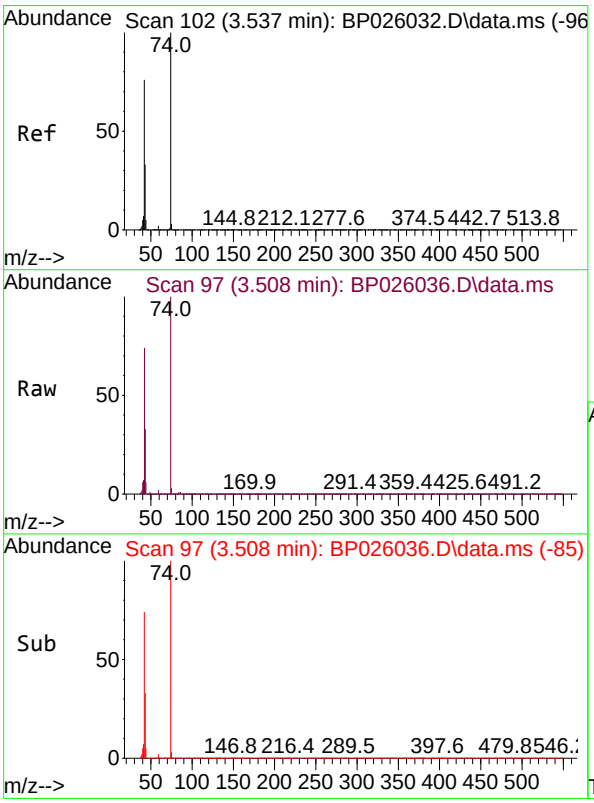
Ion	Ratio	Lower	Upper
79	100		
52	79.0	62.0	93.0
51	38.4	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

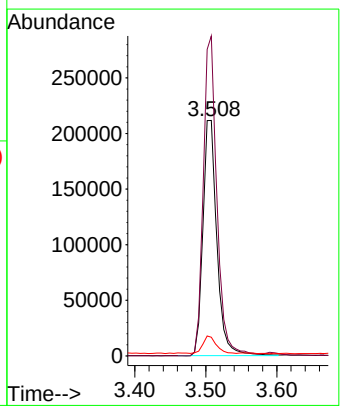
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

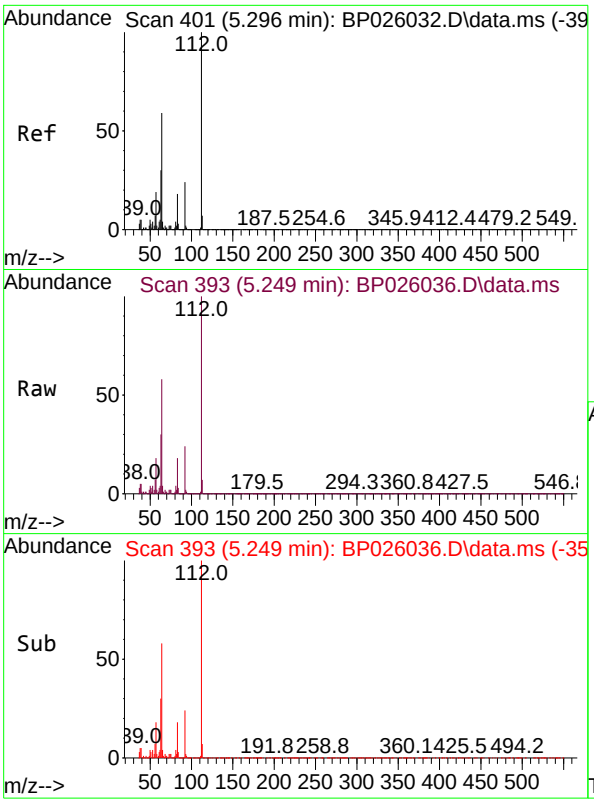


#4
n-Nitrosodimethylamine
Concen: 35.142 ng
RT: 3.508 min Scan# 97
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 42 Resp: 288399

Ion	Ratio	Lower	Upper
42	100		
74	135.9	105.7	158.5
44	8.0	6.6	9.8

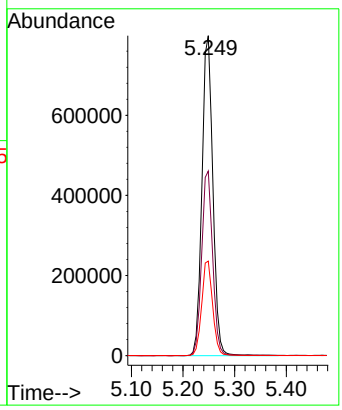




#5
2-Fluorophenol
Concen: 68.429 ng
RT: 5.249 min Scan# 39
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:112 Resp: 116918

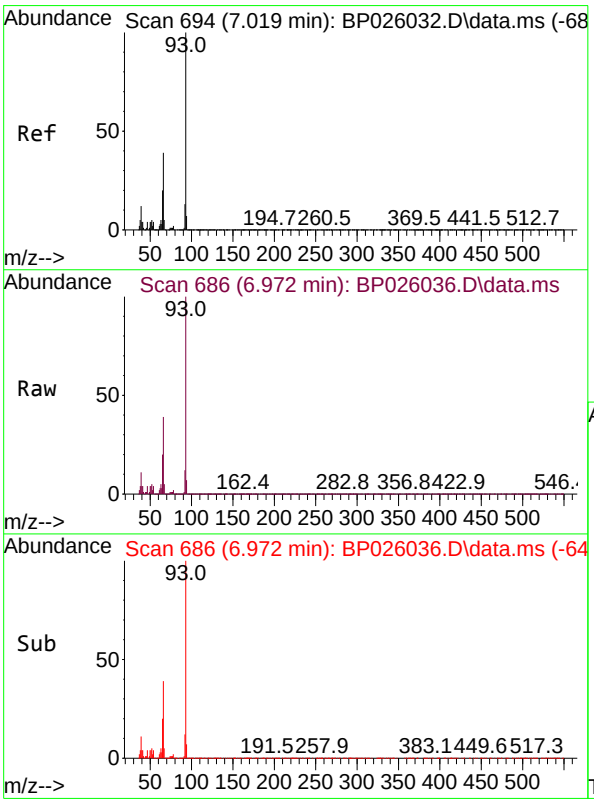
Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.4	71.2
63	29.5	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

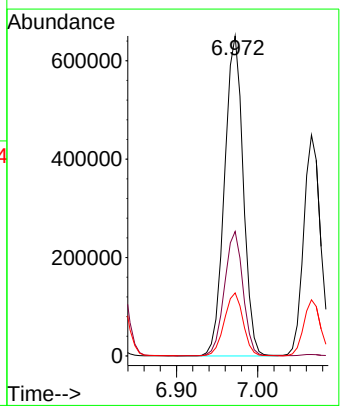
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

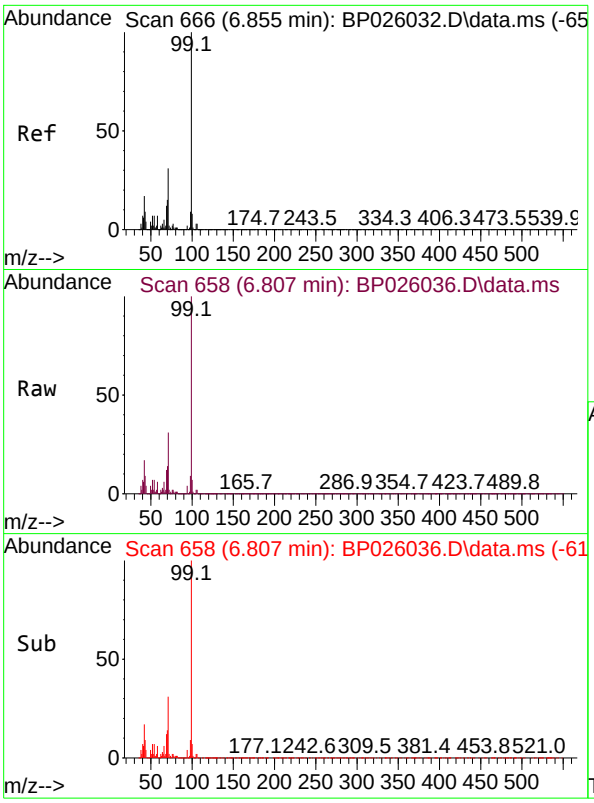


#6
Aniline
Concen: 35.839 ng
RT: 6.972 min Scan# 686
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 1040197

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.2	46.8
65	19.7	16.1	24.1

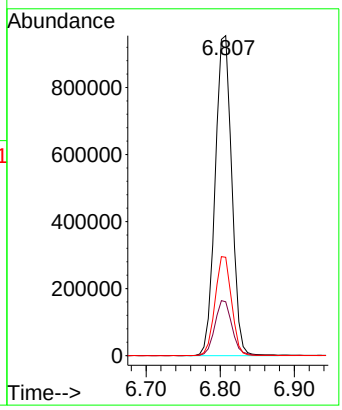




#7
Phenol-d6
Concen: 68.090 ng
RT: 6.807 min Scan# 6
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 99 Resp: 148078

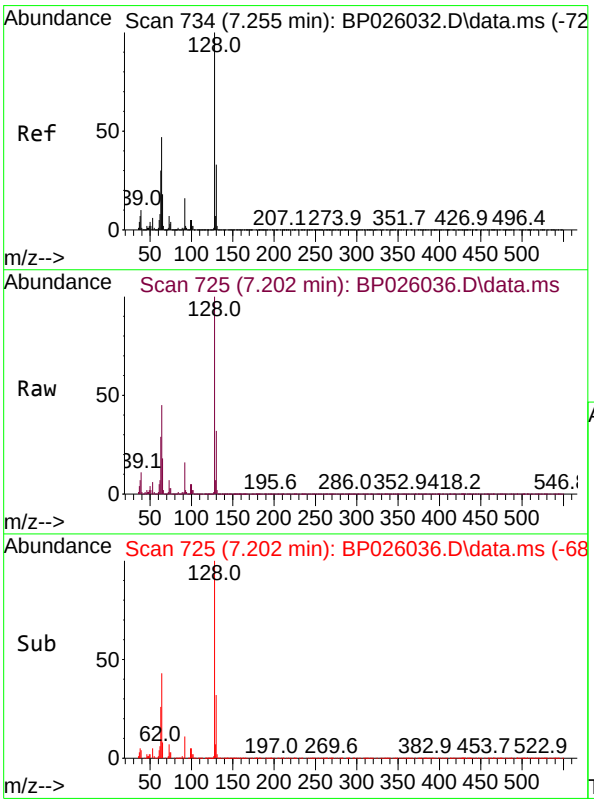
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.7	20.5
71	30.7	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

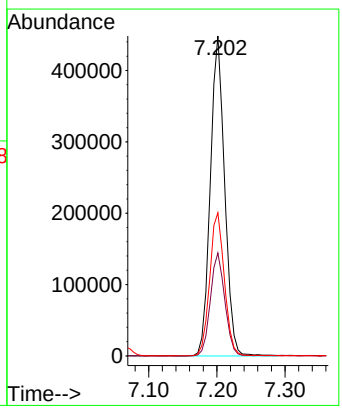
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

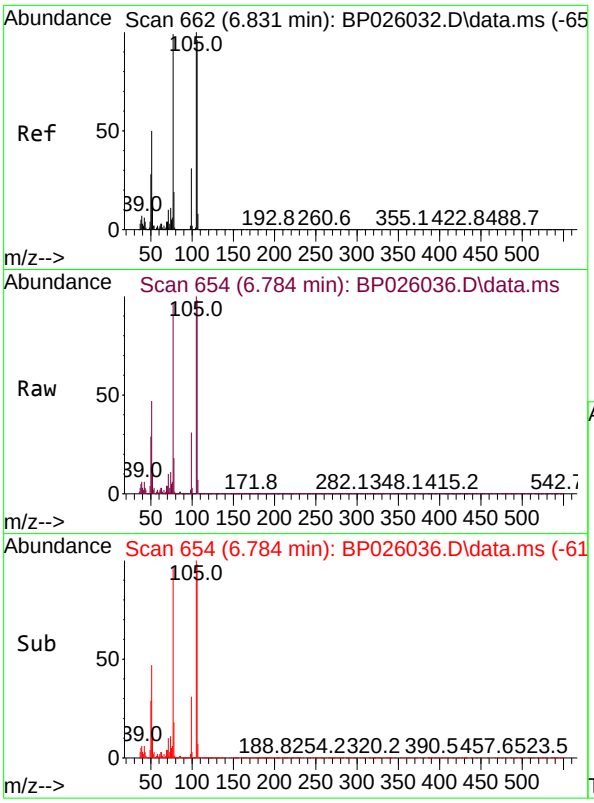


#8
2-Chlorophenol
Concen: 34.596 ng
RT: 7.202 min Scan# 725
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:128 Resp: 654572

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	44.7	27.4	67.4

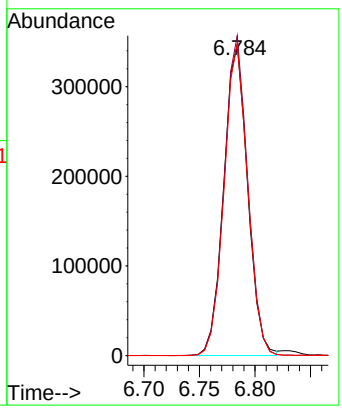




#9
Benzaldehyde
Concen: 46.027 ng m
RT: 6.784 min Scan# 6
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 52033

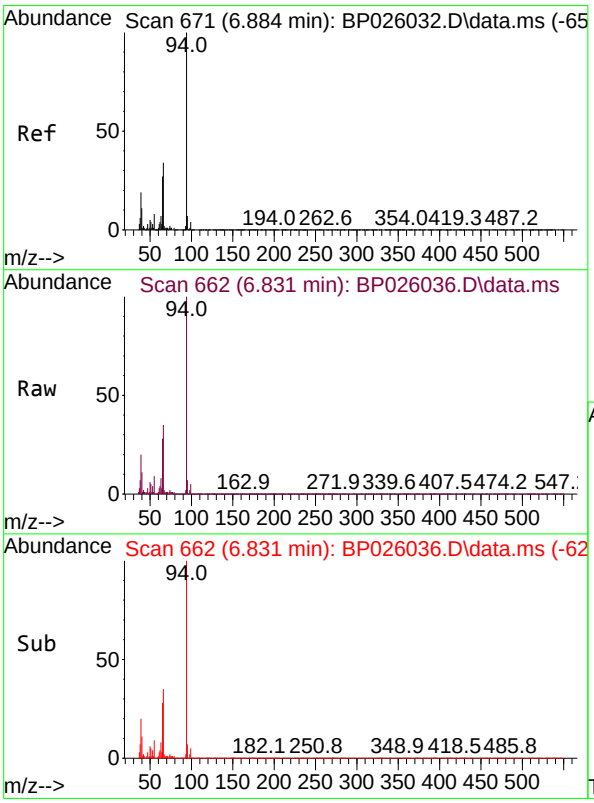
Ion	Ratio	Lower	Upper
77	100		
105	102.9	80.7	120.7
106	100.3	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

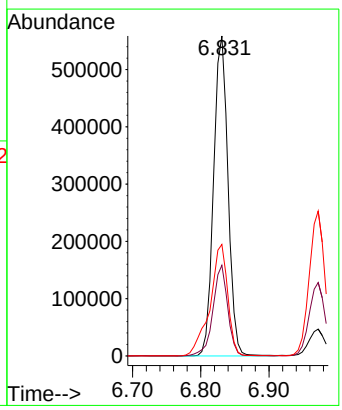
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

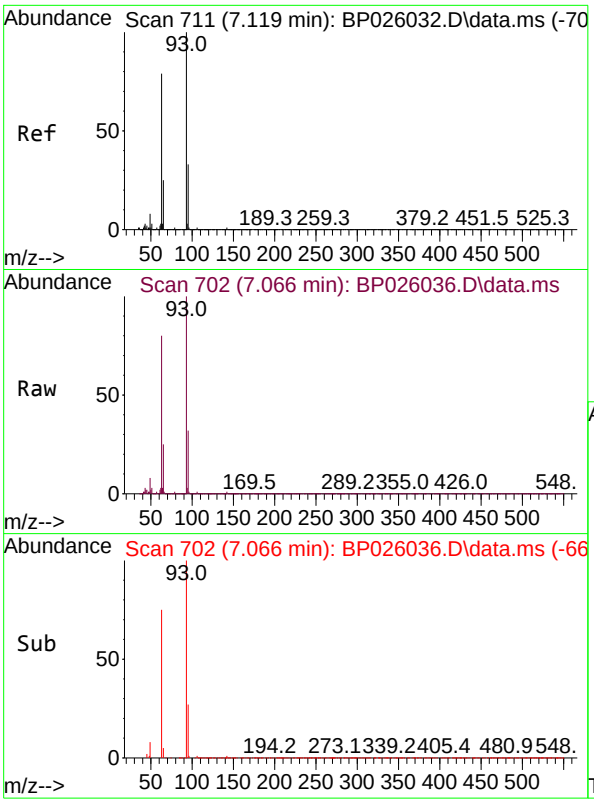


#10
Phenol
Concen: 33.813 ng
RT: 6.831 min Scan# 662
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 94 Resp: 816366

Ion	Ratio	Lower	Upper
94	100		
65	28.3	7.1	47.1
66	34.8	14.4	54.4

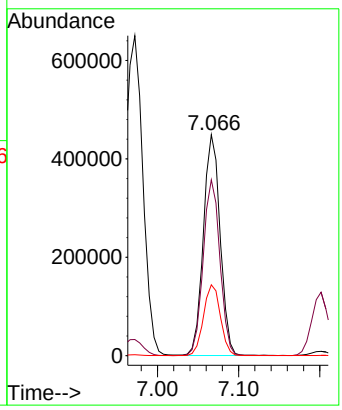




#11
bis(2-Chloroethyl)ether
Concen: 33.880 ng
RT: 7.066 min Scan# 7
Delta R.T. -0.053 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 64553

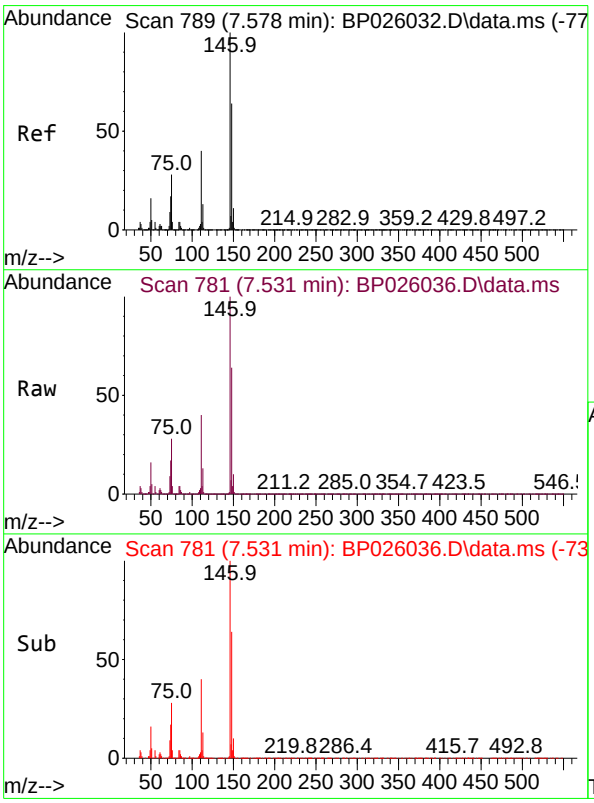
Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.1	99.1
95	32.0	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

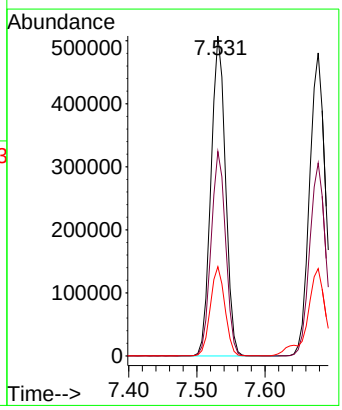
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

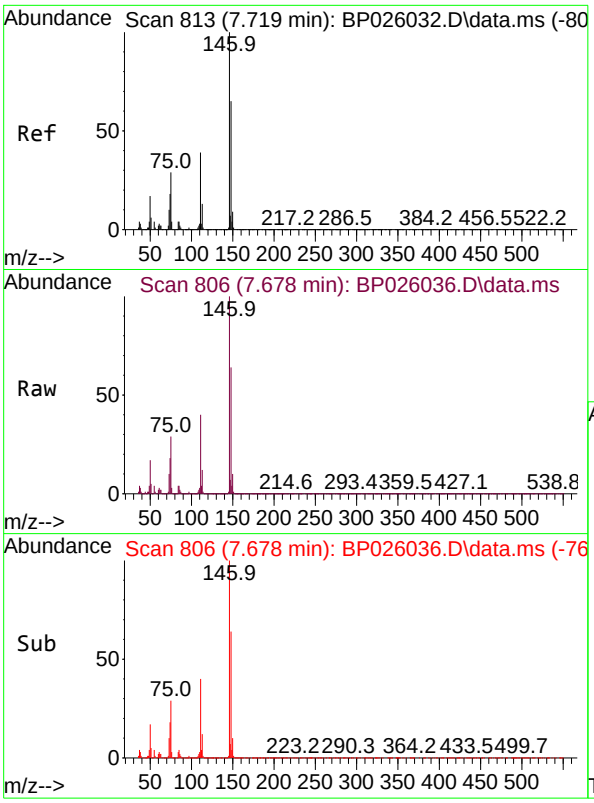


#12
1,3-Dichlorobenzene
Concen: 34.538 ng
RT: 7.531 min Scan# 781
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 750462

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	27.9	22.6	33.8

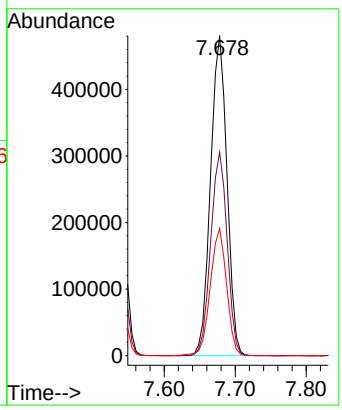




#13
1,4-Dichlorobenzene
Concen: 35.099 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 77109

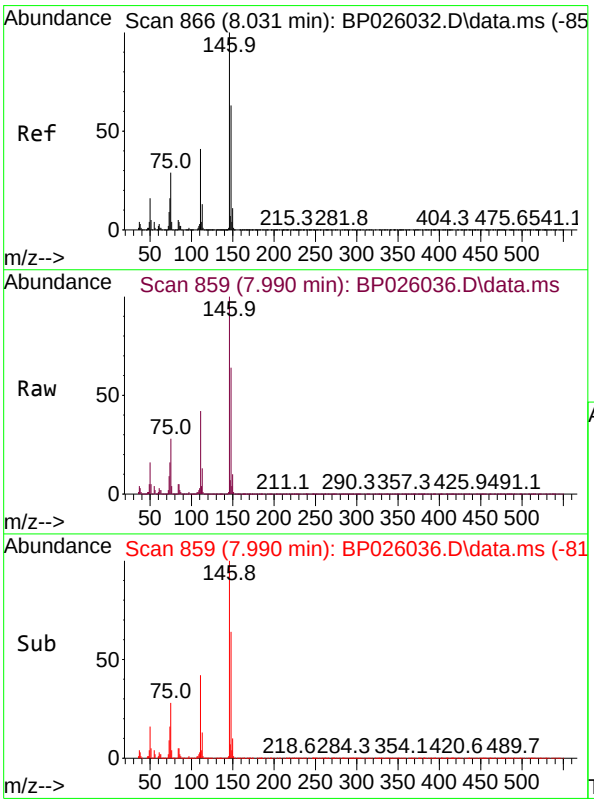
Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.2	78.2
111	39.7	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

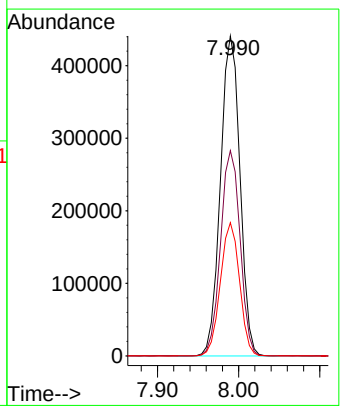
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

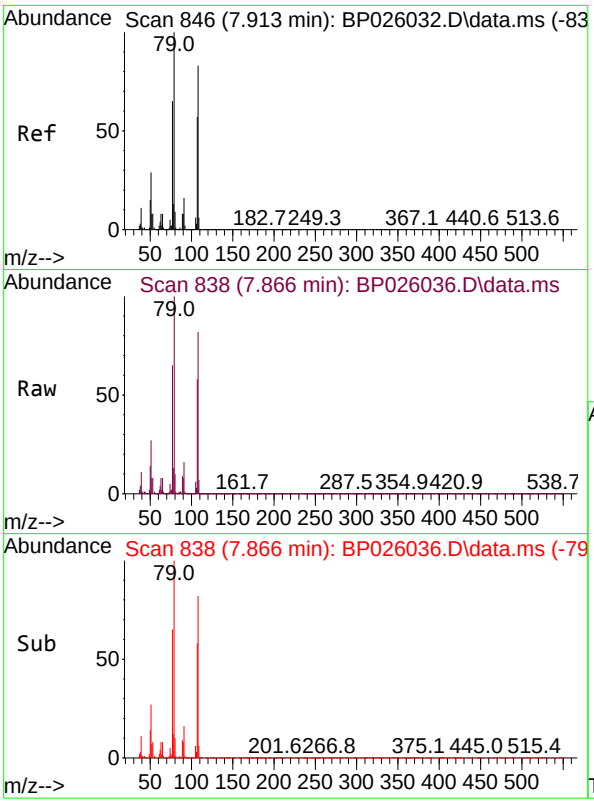


#14
1,2-Dichlorobenzene
Concen: 35.092 ng
RT: 7.990 min Scan# 859
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:146 Resp: 735657

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	41.6	33.0	49.4

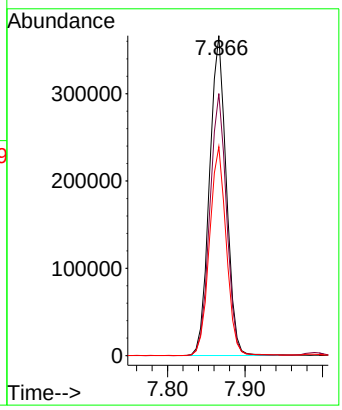




#15
Benzyl Alcohol
Concen: 35.185 ng
RT: 7.866 min Scan# 8
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 79 Resp: 55162

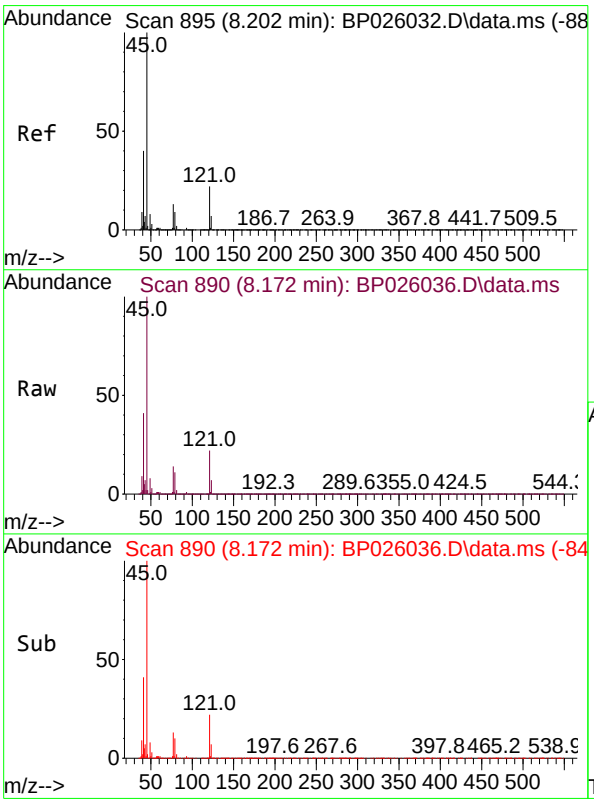
Ion	Ratio	Lower	Upper
79	100		
108	81.9	66.0	99.0
77	65.3	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

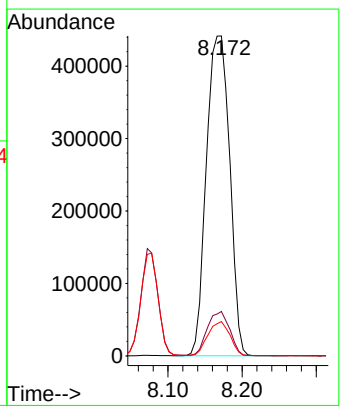
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

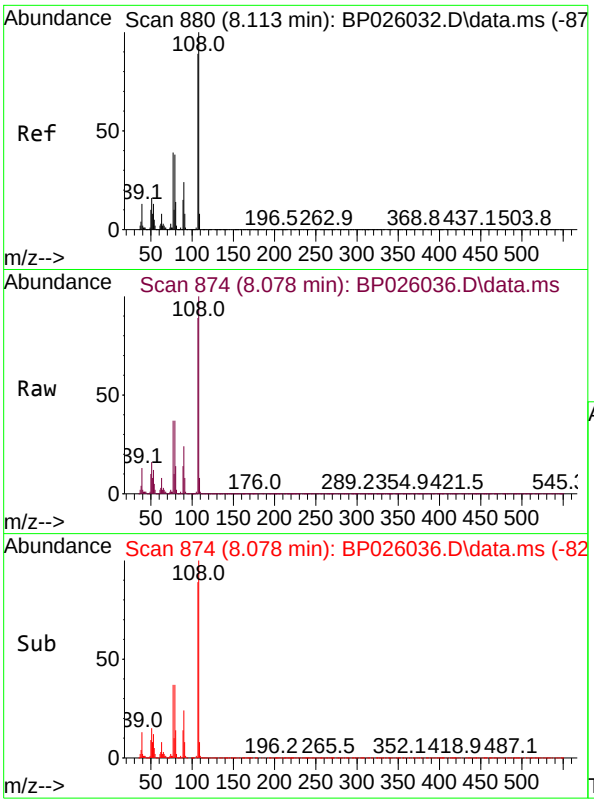


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.526 ng
RT: 8.172 min Scan# 890
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 45 Resp: 965445

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.2
79	10.7	0.0	29.5

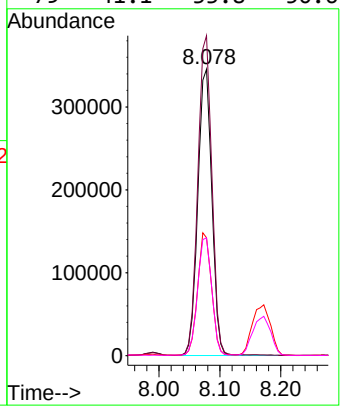




#17
2-Methylphenol
Concen: 34.998 ng
RT: 8.078 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 55330

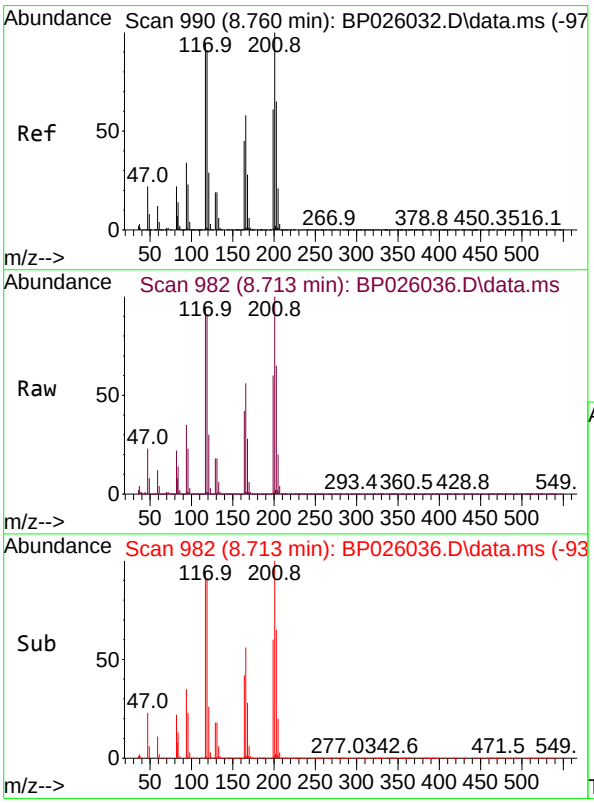
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.8	134.8
77	41.1	34.8	52.2
79	41.1	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

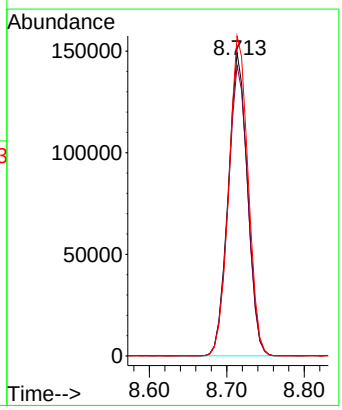
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

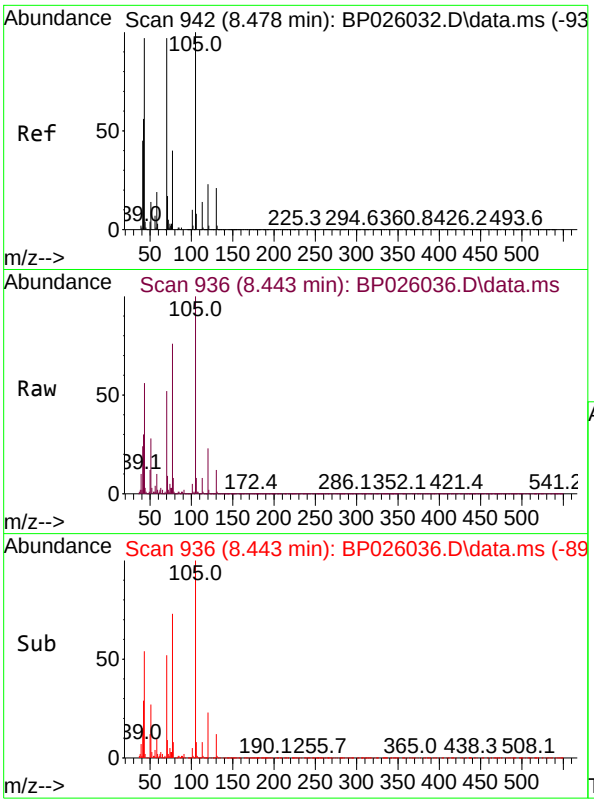


#18
Hexachloroethane
Concen: 34.560 ng
RT: 8.713 min Scan# 982
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:117 Resp: 259803

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
201	105.5	84.2	126.4

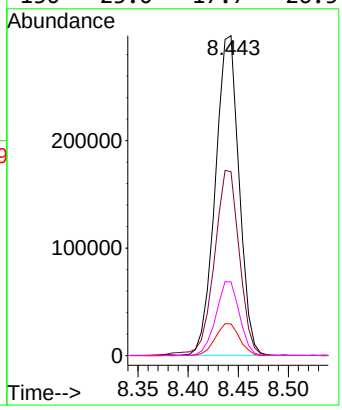




#19
n-Nitroso-di-n-propylamine
Concen: 36.340 ng
RT: 8.443 min Scan# 9
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 70 Resp: 49057

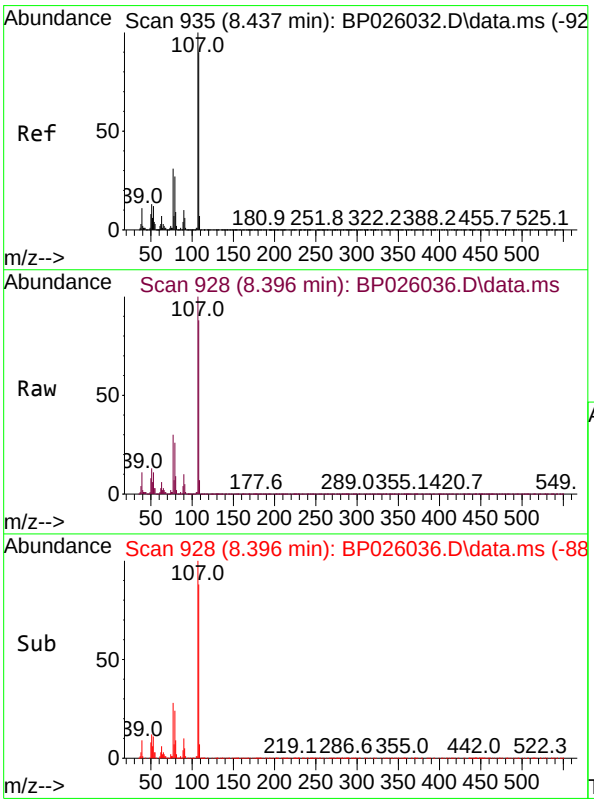
Ion	Ratio	Lower	Upper
70	100		
42	57.5	47.2	70.8
101	9.9	8.2	12.2
130	23.0	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

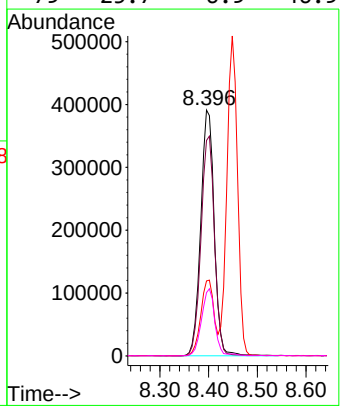
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

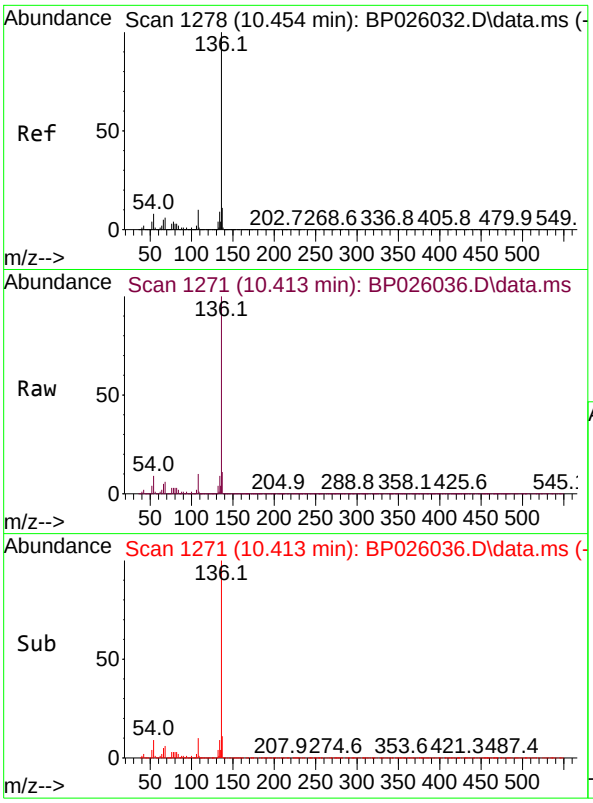


#20
3+4-Methylphenols
Concen: 34.245 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 753178

Ion	Ratio	Lower	Upper
107	100		
108	87.6	70.1	110.1
77	30.5	10.7	50.7
79	25.7	6.9	46.9

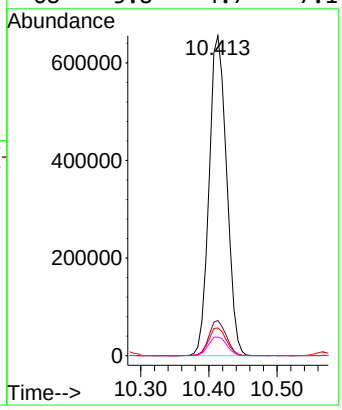




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:136 Resp: 116582

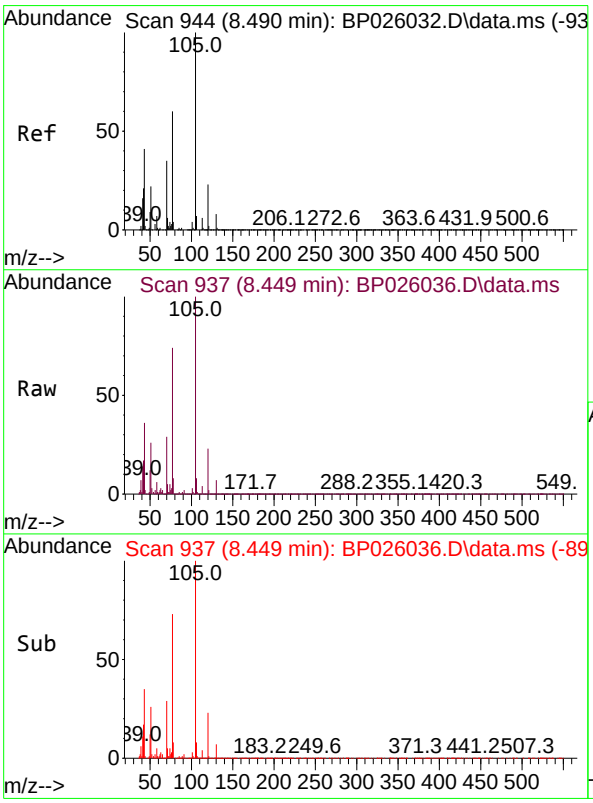
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.6	10.0
68	5.8	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

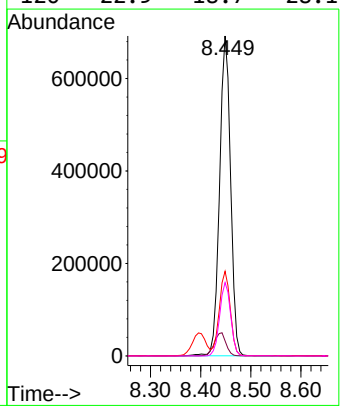
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

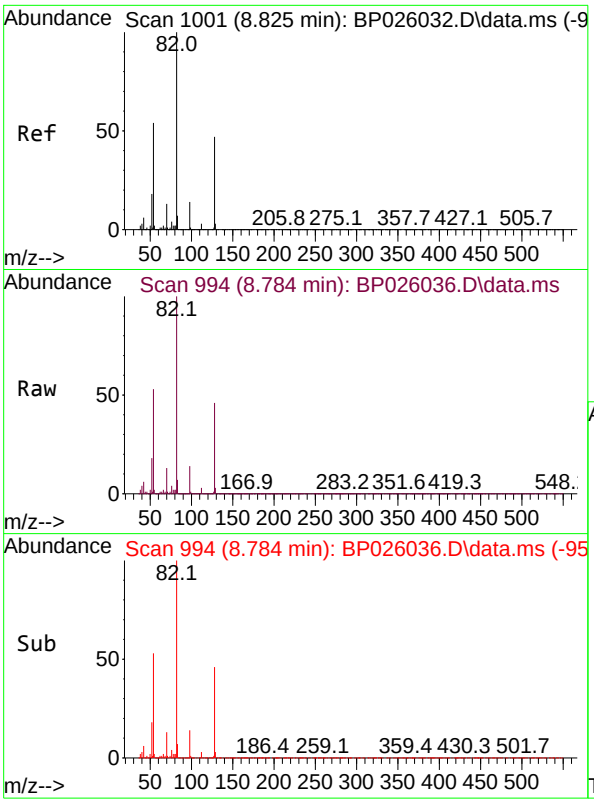


#22
Acetophenone
Concen: 35.756 ng
RT: 8.449 min Scan# 937
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:105 Resp: 1054241

Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.7	7.1#
51	26.4	21.8	32.8
120	22.9	18.7	28.1

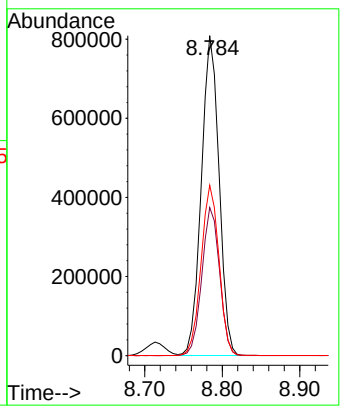




#23
Nitrobenzene-d5
Concen: 68.652 ng
RT: 8.784 min Scan# 9
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 82 Resp: 128388

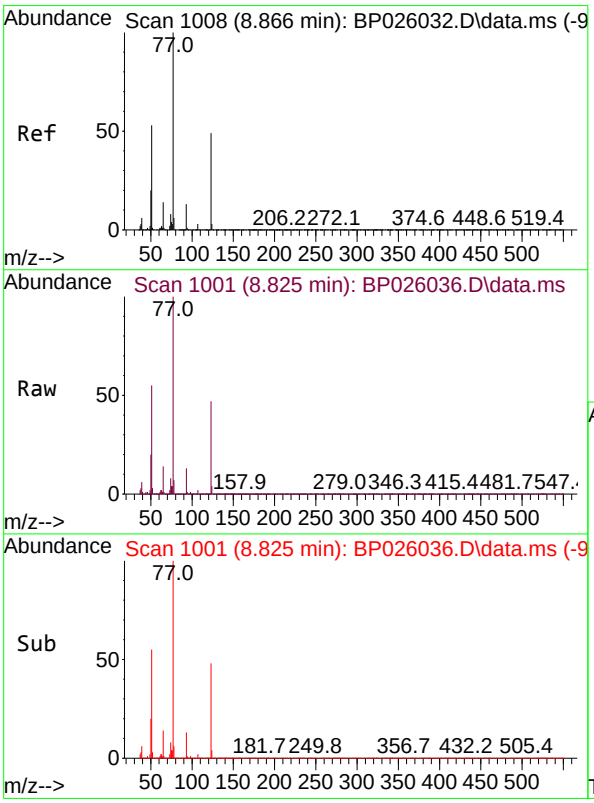
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.0
54	53.2	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

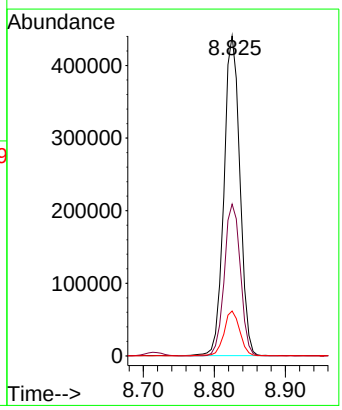
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

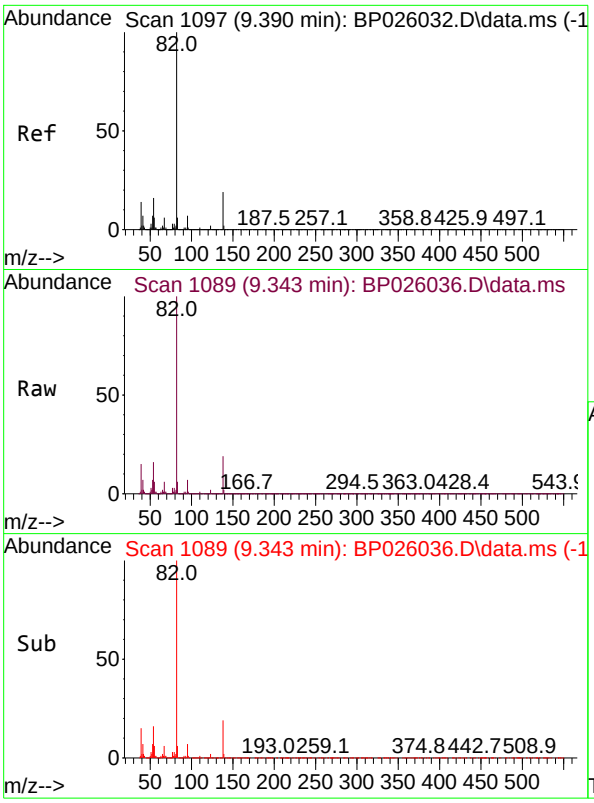


#24
Nitrobenzene
Concen: 34.825 ng
RT: 8.825 min Scan# 1001
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 687636

Ion	Ratio	Lower	Upper
77	100		
123	47.5	39.0	58.4
65	14.0	10.9	16.3

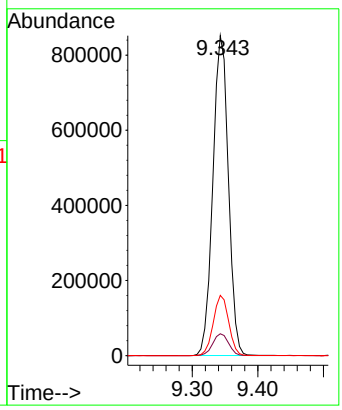




#25
Isophorone
Concen: 35.069 ng
RT: 9.343 min Scan# 1
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 82 Resp: 140374

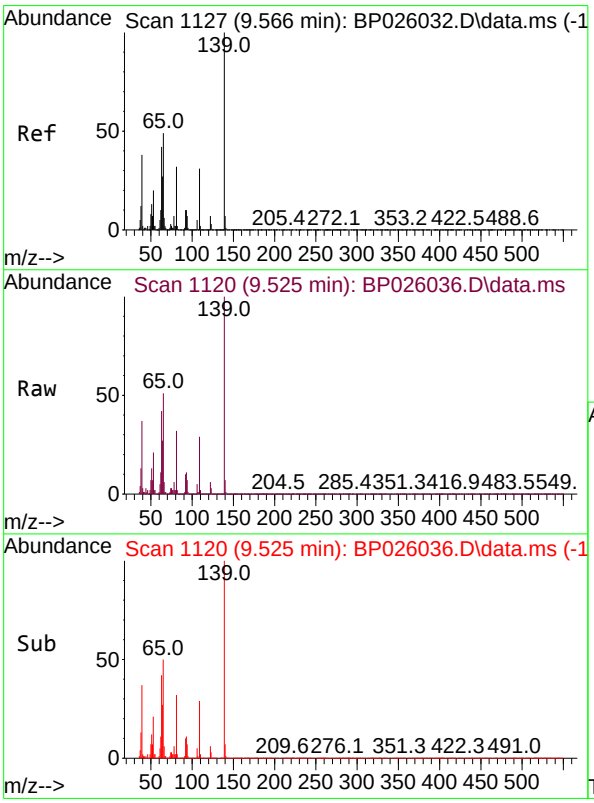
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.6
138	18.8	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

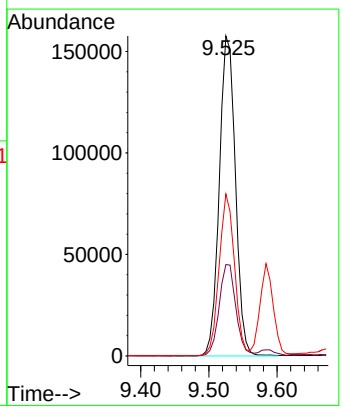
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

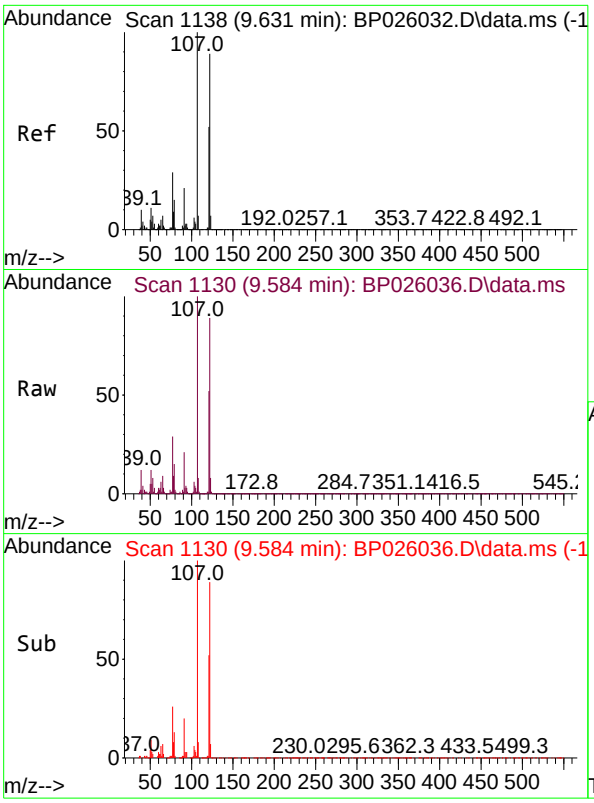


#26
2-Nitrophenol
Concen: 36.106 ng
RT: 9.525 min Scan# 1120
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:139 Resp: 257308

Ion	Ratio	Lower	Upper
139	100		
109	28.5	24.8	37.2
65	50.6	39.0	58.4

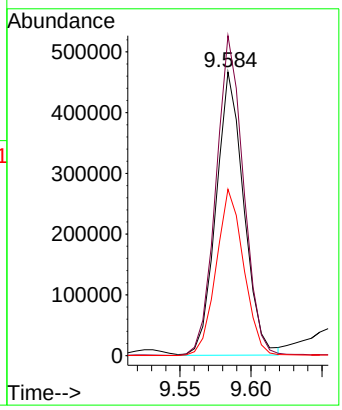




#27
2,4-Dimethylphenol
Concen: 37.573 ng
RT: 9.584 min Scan# 11
Delta R.T. -0.047 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:122 Resp: 63245

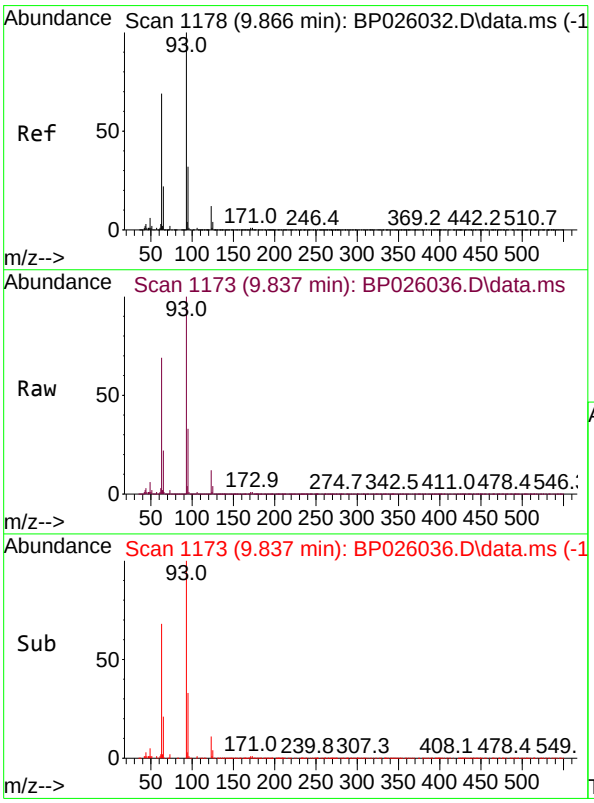
Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.2	133.8
121	58.7	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

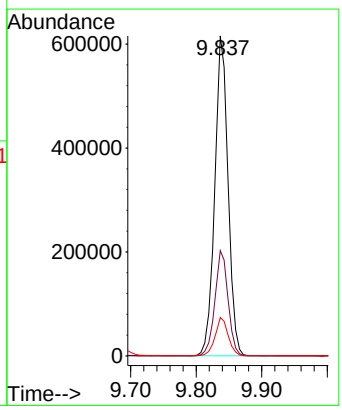
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

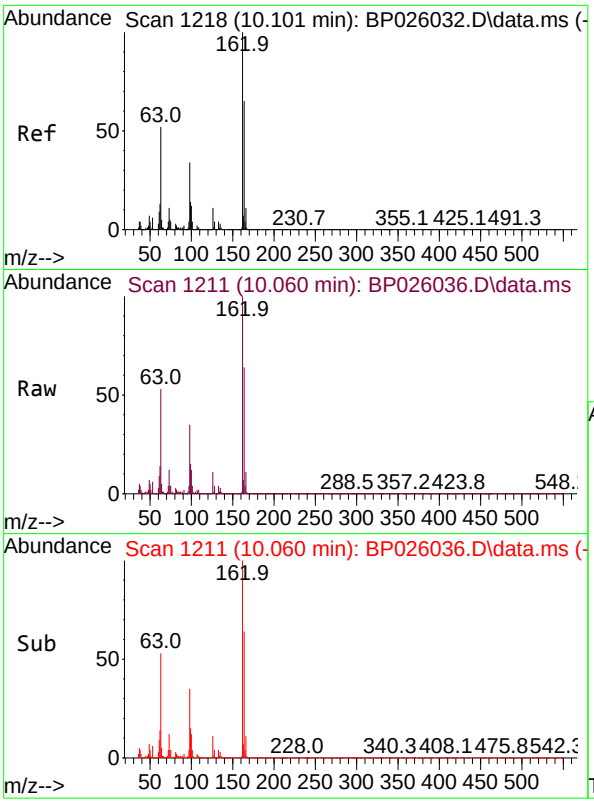


#28
bis(2-Chloroethoxy)methane
Concen: 34.454 ng
RT: 9.837 min Scan# 1173
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 93 Resp: 869155

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.6
123	12.0	9.3	13.9

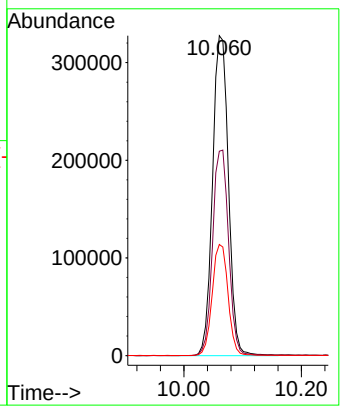




#29
2,4-Dichlorophenol
Concen: 34.599 ng
RT: 10.060 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:162 Resp: 61492

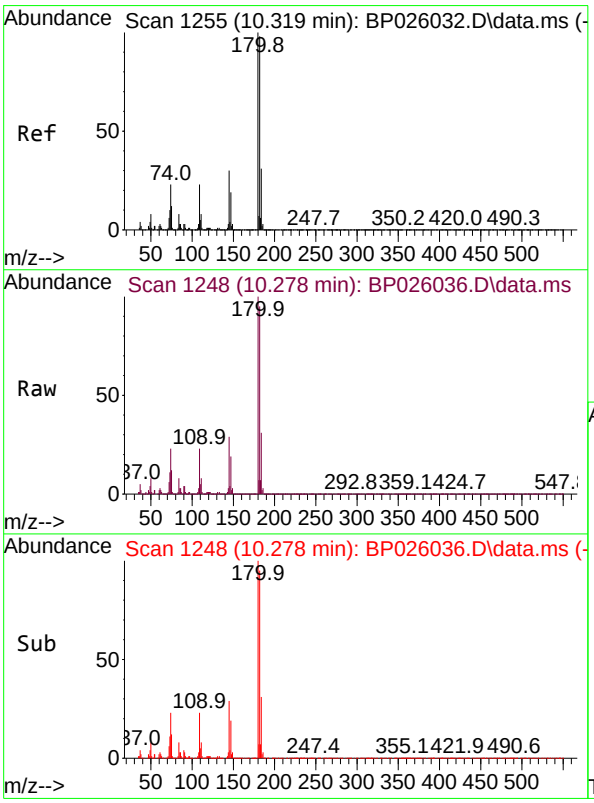
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.6	84.6
98	34.8	14.0	54.0



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

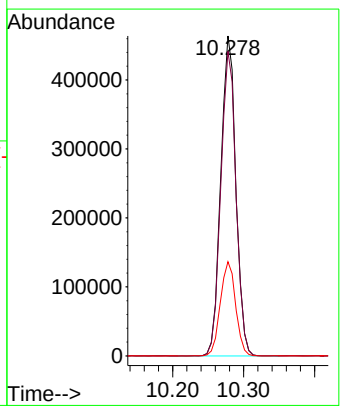
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

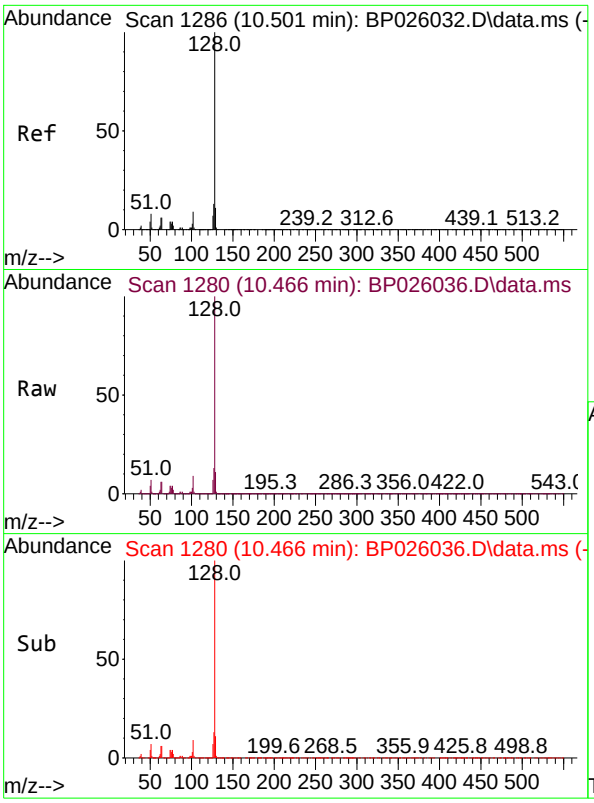


#30
1,2,4-Trichlorobenzene
Concen: 35.441 ng
RT: 10.278 min Scan# 1248
Delta R.T. -0.041 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:180 Resp: 684636

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.6	117.8
145	29.4	24.2	36.4

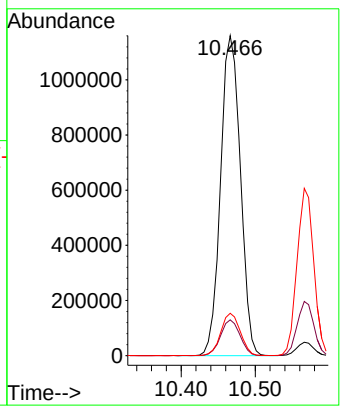




#31
Naphthalene
Concen: 33.888 ng
RT: 10.466 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:128 Resp: 215443

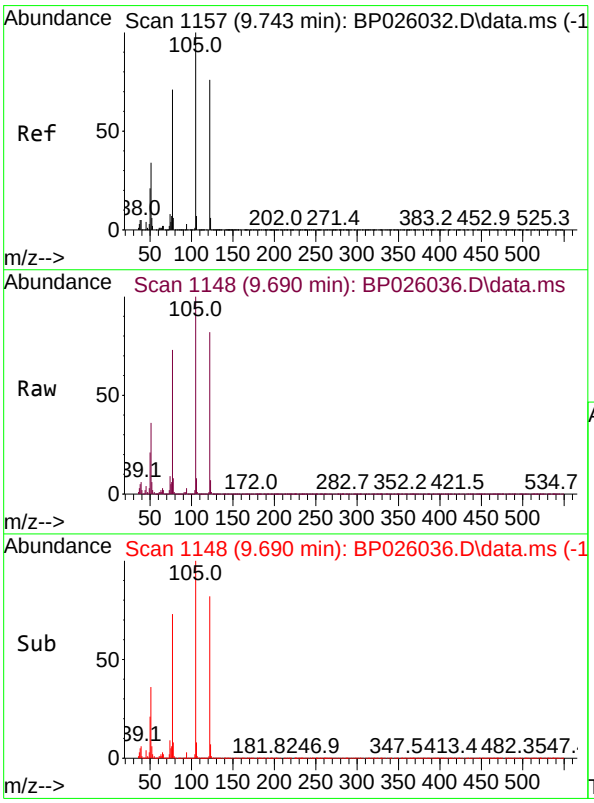
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.2	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

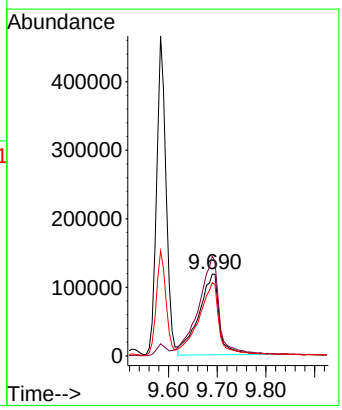
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

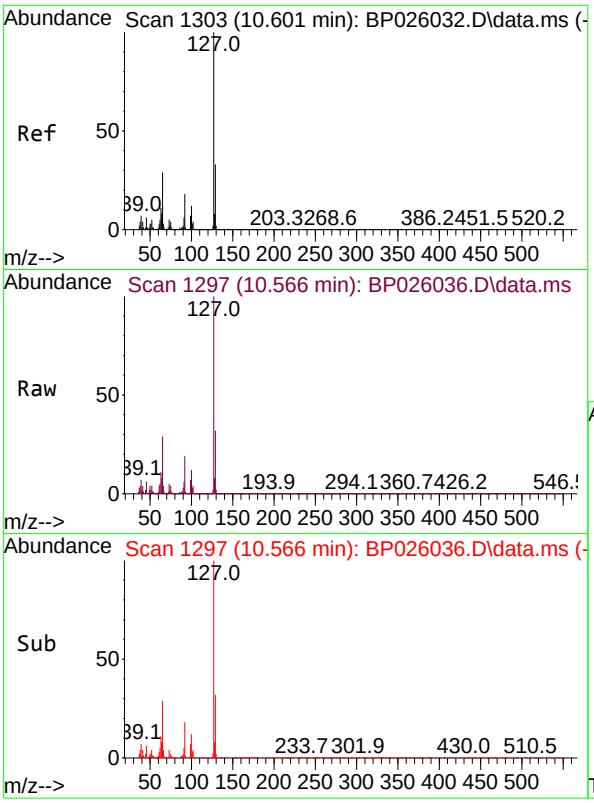


#32
Benzoic acid
Concen: 37.646 ng
RT: 9.690 min Scan# 1148
Delta R.T. -0.088 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:122 Resp: 351760

Ion	Ratio	Lower	Upper
122	100		
105	121.9	104.8	144.8
77	89.5	70.9	110.9

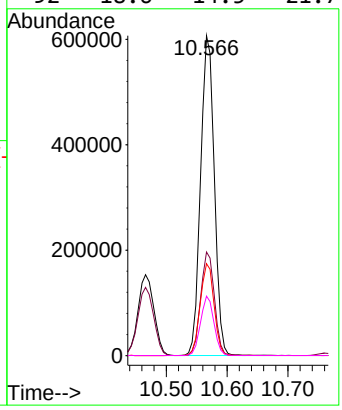




#33
4-Chloroaniline
Concen: 38.877 ng
RT: 10.566 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:127 Resp: 94977

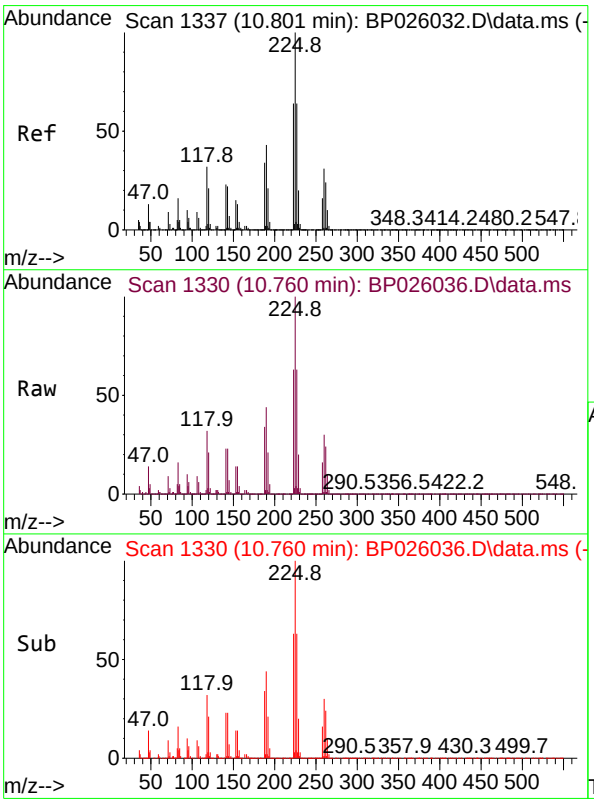
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	28.7	23.2	34.8
92	18.6	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

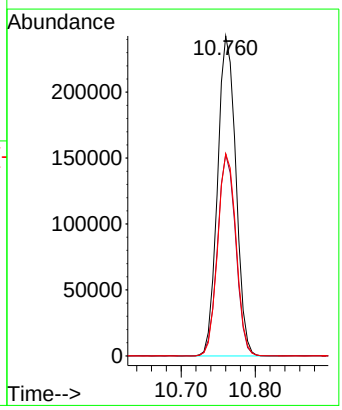
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

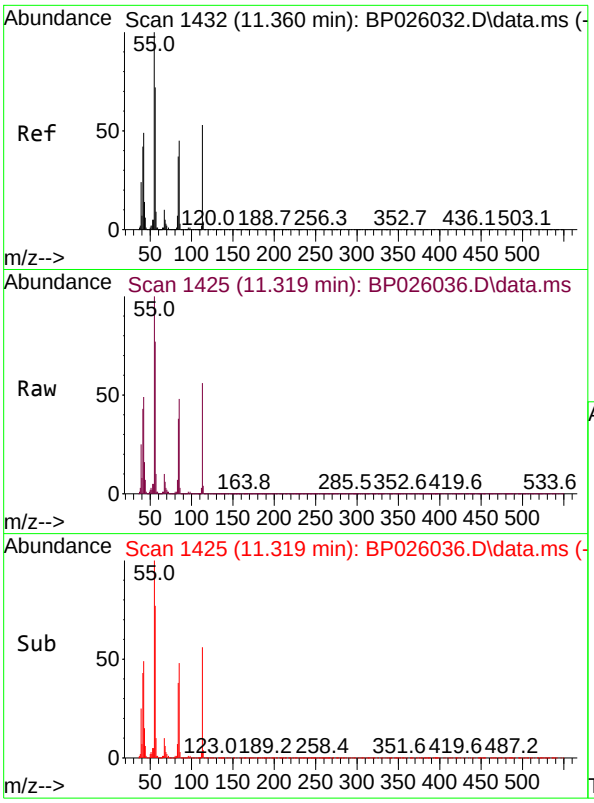


#34
Hexachlorobutadiene
Concen: 33.876 ng
RT: 10.760 min Scan# 1330
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:225 Resp: 415865

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.9	76.3
227	63.2	51.0	76.4

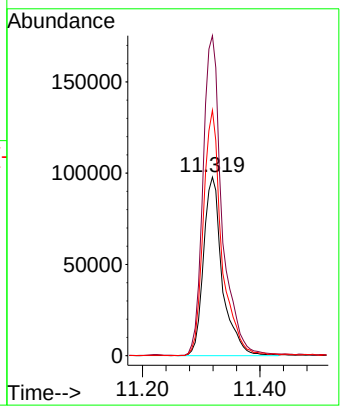




#35
Caprolactam
Concen: 34.833 ng
RT: 11.319 min Scan# 14
Delta R.T. -0.065 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:113 Resp: 21740

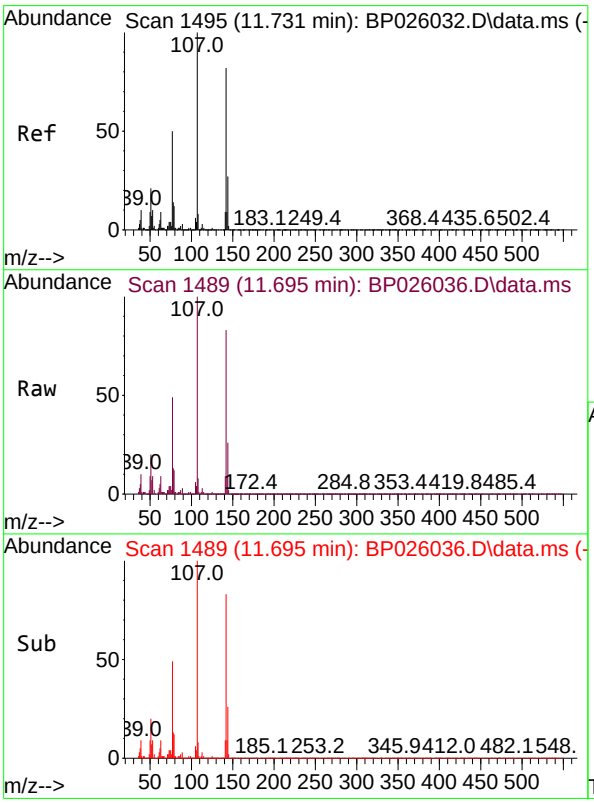
Ion	Ratio	Lower	Upper
113	100		
55	179.2	169.9	209.9
56	137.4	116.7	156.7



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations
APPROVED

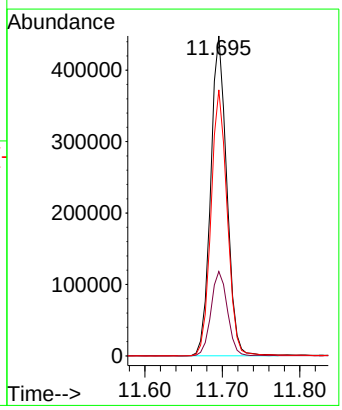
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

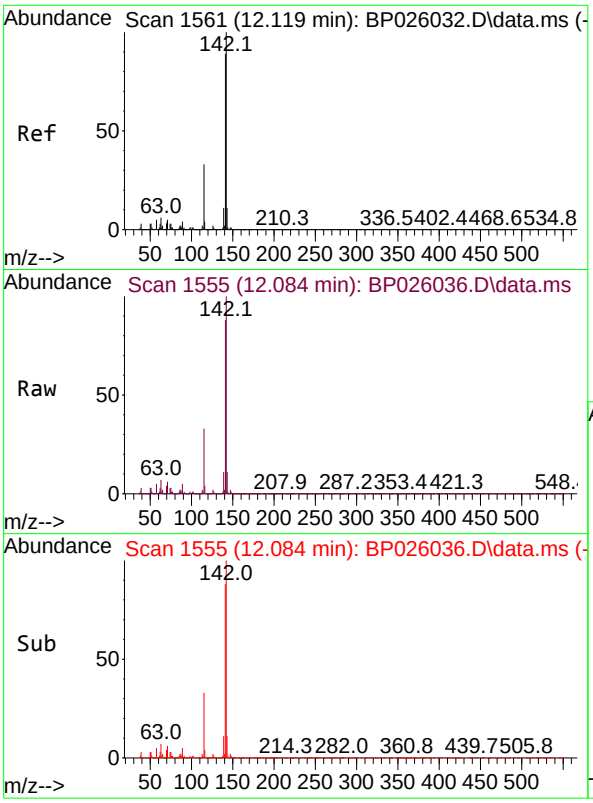


#36
4-Chloro-3-methylphenol
Concen: 34.690 ng
RT: 11.695 min Scan# 1489
Delta R.T. -0.035 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:107 Resp: 646328

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.3	31.9
142	83.1	65.2	97.8

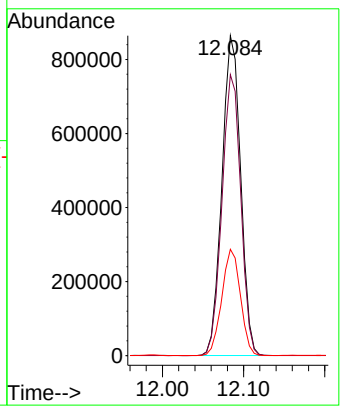




#37
2-Methylnaphthalene
Concen: 30.988 ng
RT: 12.084 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:142 Resp: 137885

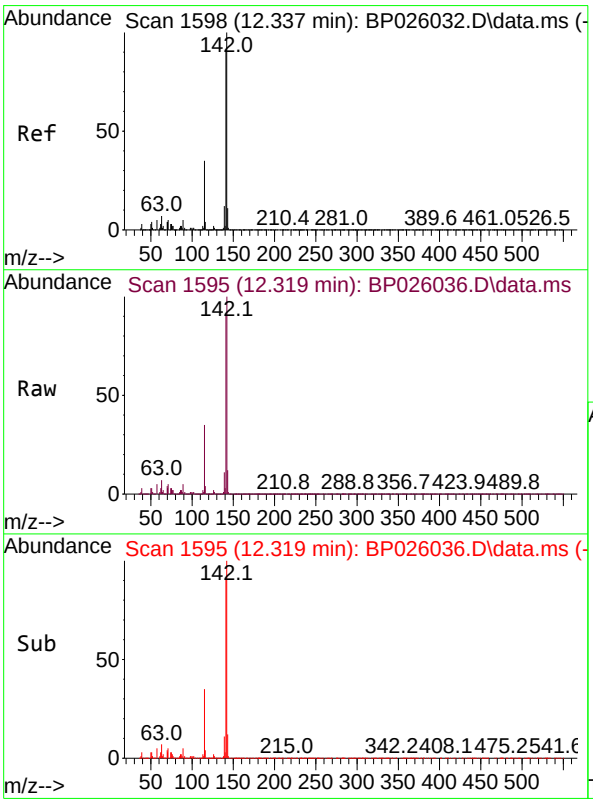
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.6	107.4
115	33.2	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

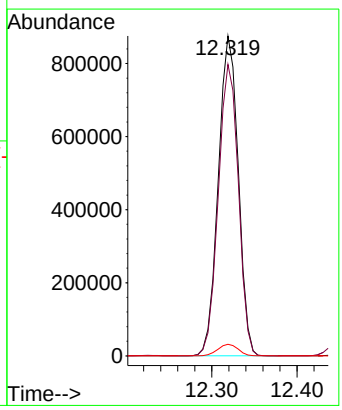
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

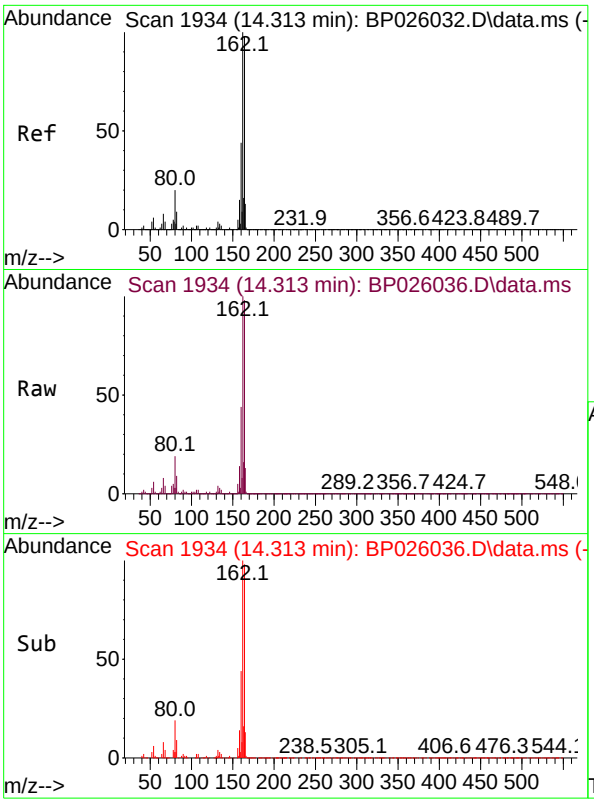


#38
1-Methylnaphthalene
Concen: 32.934 ng
RT: 12.319 min Scan# 1595
Delta R.T. -0.017 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:142 Resp: 1423665

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1
116	3.6	2.9	4.3

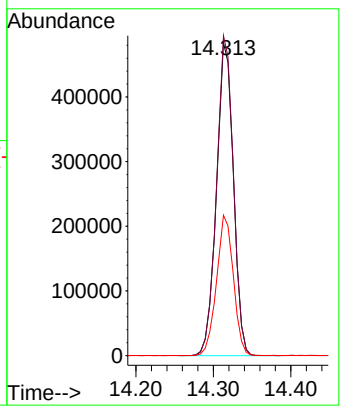




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:164 Resp: 73418

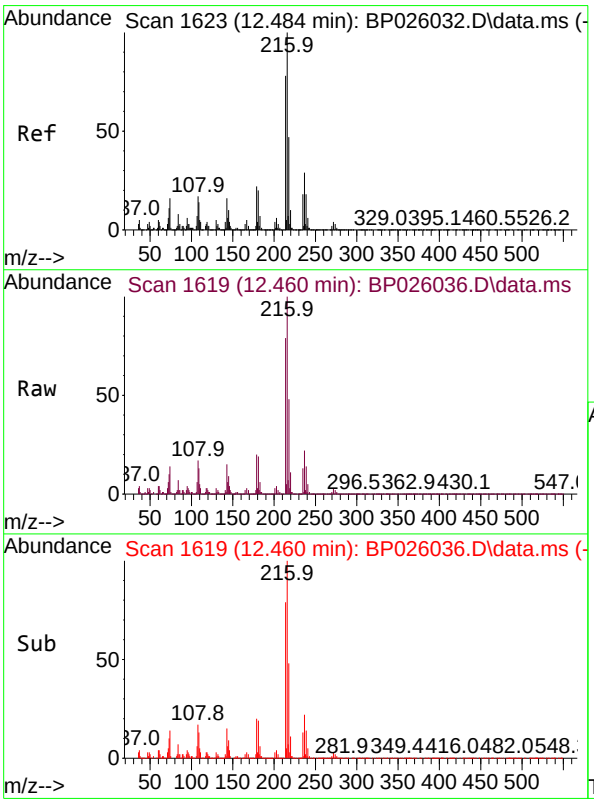
Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.5	122.3
160	44.8	36.2	54.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

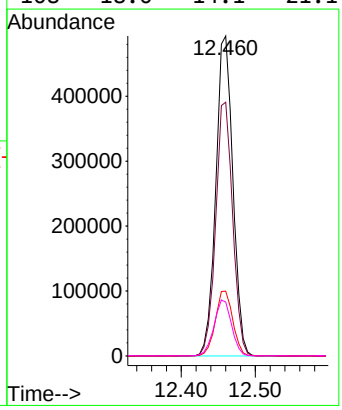
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

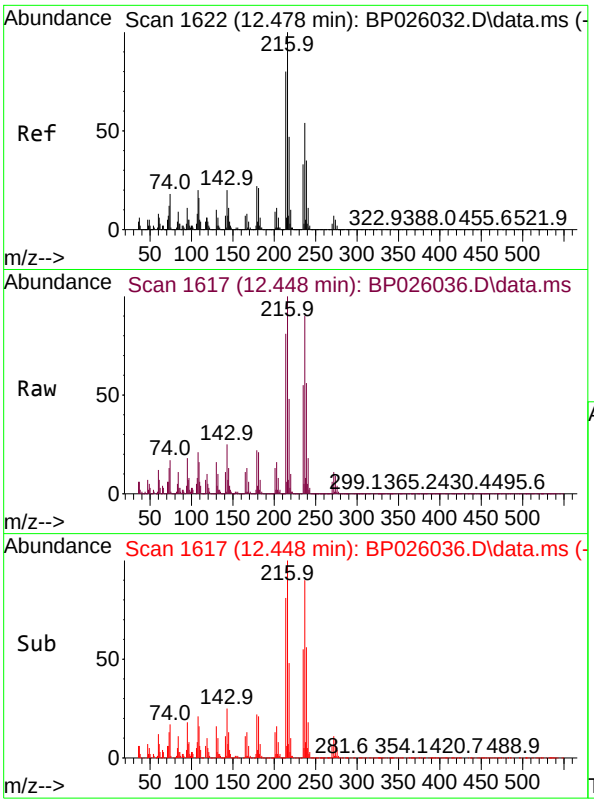


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.481 ng
RT: 12.460 min Scan# 1619
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:216 Resp: 786568

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	20.7	16.9	25.3
108	18.0	14.1	21.1

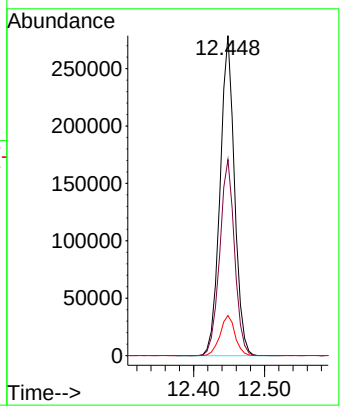




#41
Hexachlorocyclopentadiene
Concen: 47.197 ng
RT: 12.448 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:237 Resp: 39392

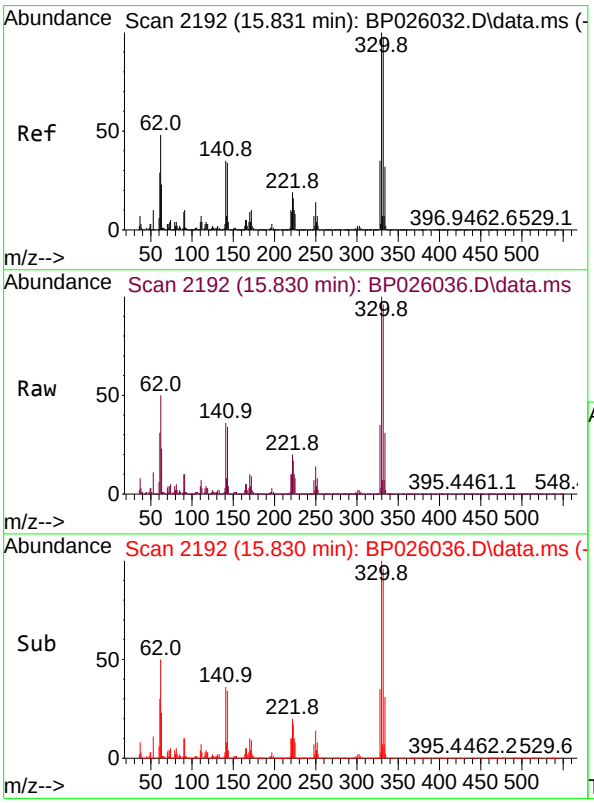
Ion	Ratio	Lower	Upper
237	100		
235	61.3	40.4	80.4
272	12.5	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

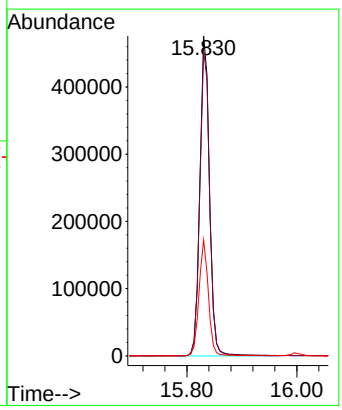
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

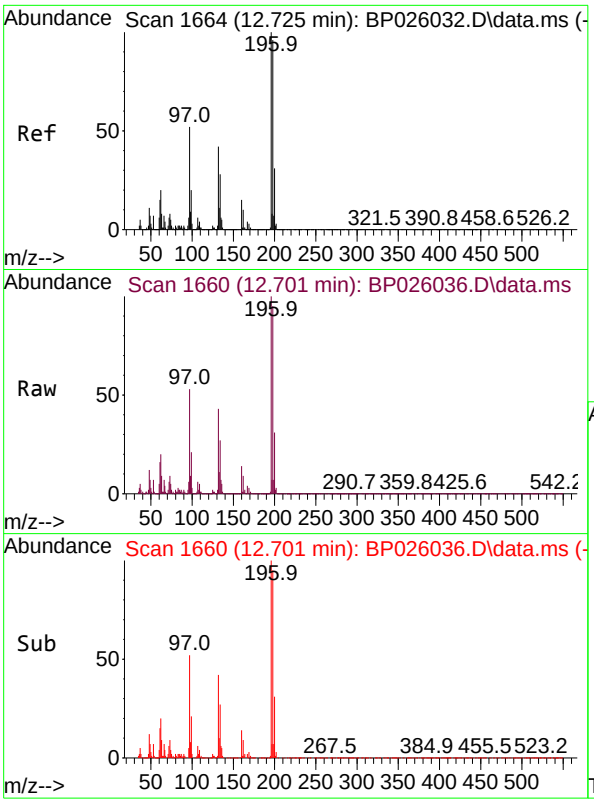


#42
2,4,6-Tribromophenol
Concen: 72.809 ng
RT: 15.830 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:330 Resp: 577899

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	35.1	28.6	42.8

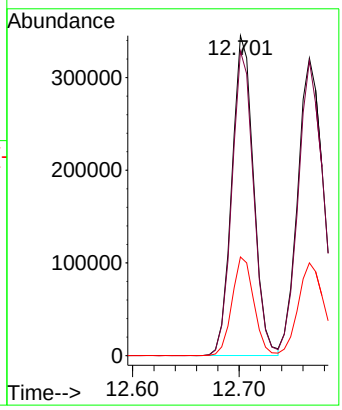




#43
2,4,6-Trichlorophenol
Concen: 36.282 ng
RT: 12.701 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:196 Resp: 48921

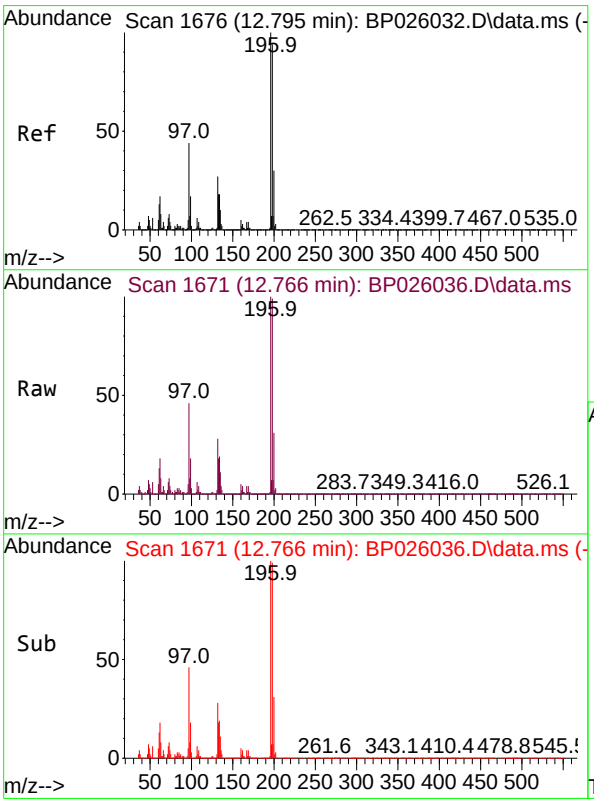
Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.5	114.7
200	30.8	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

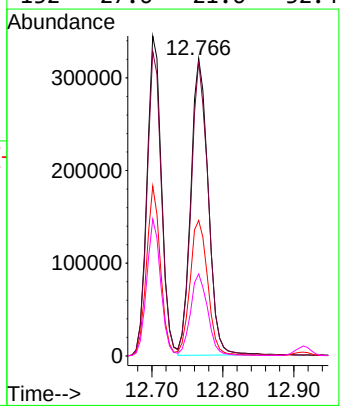
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

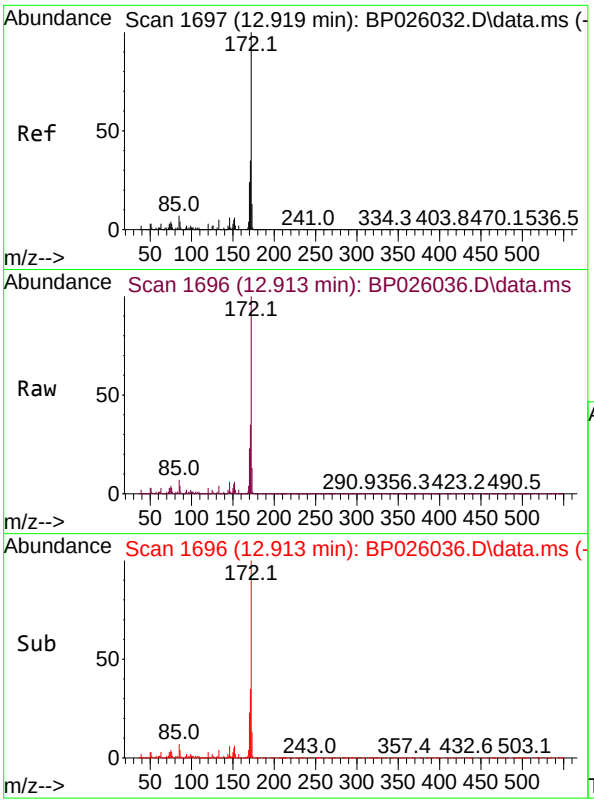


#44
2,4,5-Trichlorophenol
Concen: 35.326 ng
RT: 12.766 min Scan# 1671
Delta R.T. -0.029 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:196 Resp: 543516

Ion	Ratio	Lower	Upper
196	100		
198	99.1	75.1	112.7
97	45.5	35.5	53.3
132	27.6	21.6	32.4

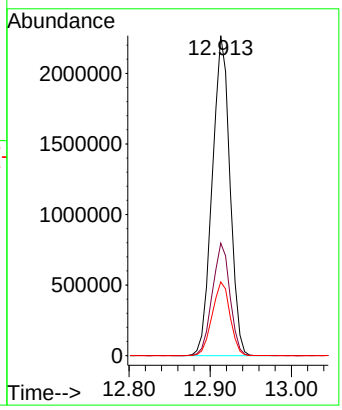




#45
2-Fluorobiphenyl
Concen: 67.037 ng
RT: 12.913 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:172 Resp: 342517

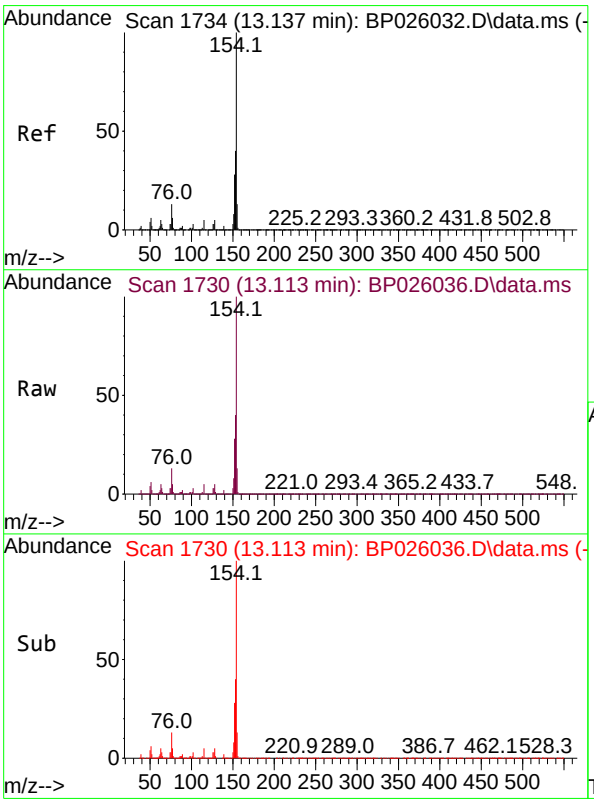
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

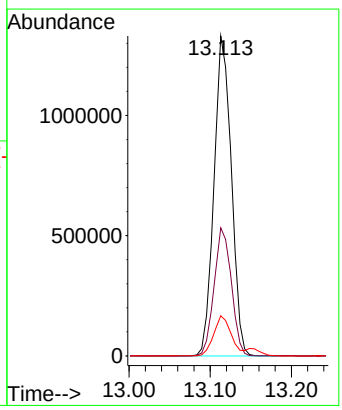
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

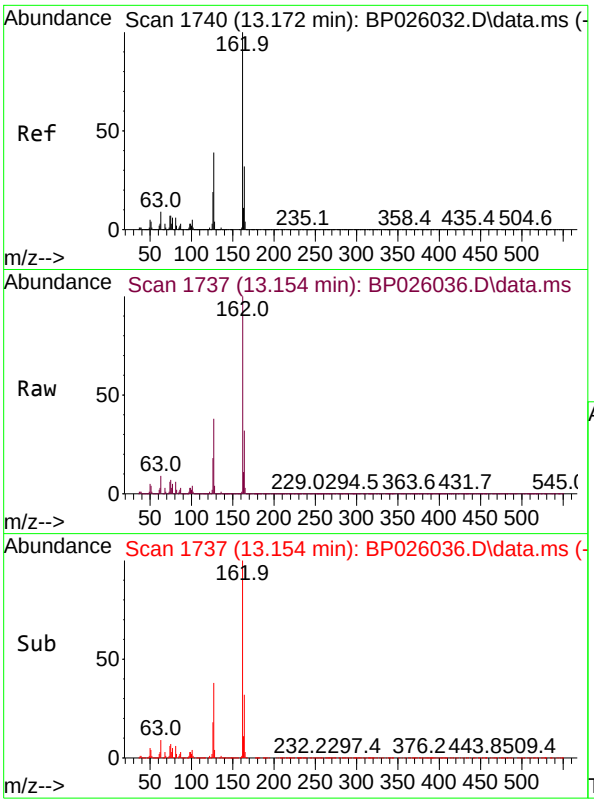


#46
1,1'-Biphenyl
Concen: 35.073 ng
RT: 13.113 min Scan# 1730
Delta R.T. -0.023 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:154 Resp: 1971667

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	12.5	0.0	32.8

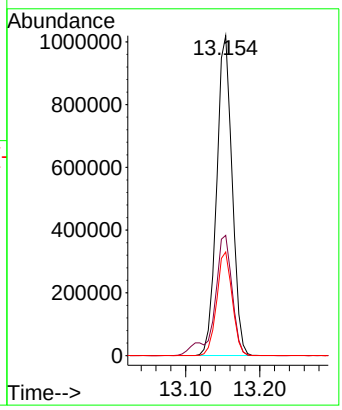




#47
2-Chloronaphthalene
Concen: 33.277 ng
RT: 13.154 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:162 Resp: 147187

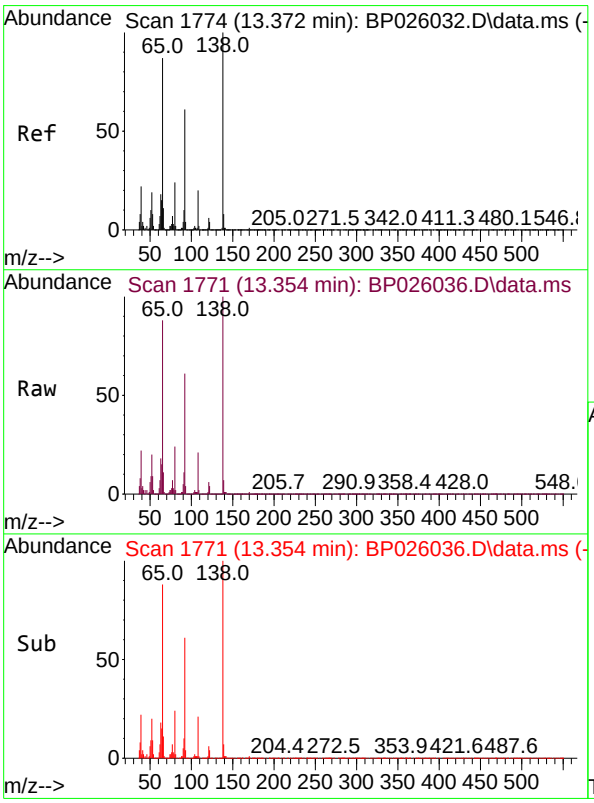
Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.4	47.2
164	32.4	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

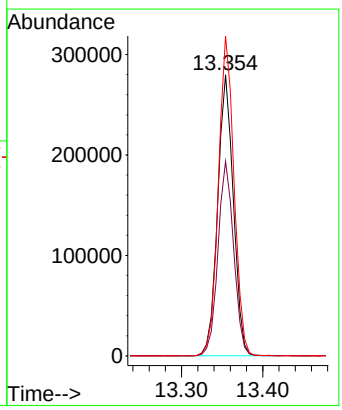
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

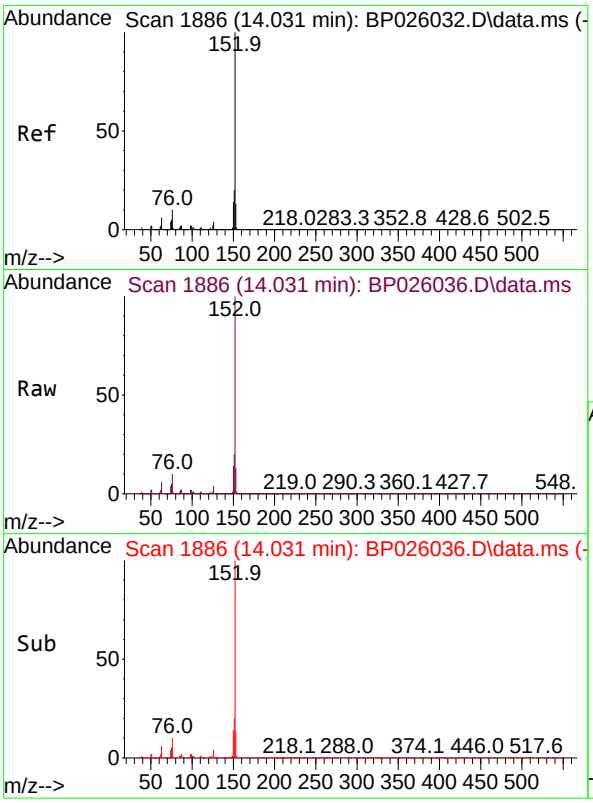


#48
2-Nitroaniline
Concen: 33.821 ng
RT: 13.354 min Scan# 1771
Delta R.T. -0.024 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 65 Resp: 374554

Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.5	83.3
138	113.8	91.7	137.5

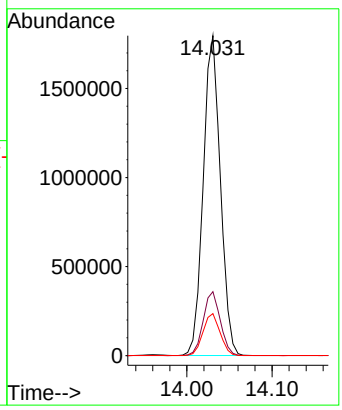




#49
Acenaphthylene
Concen: 38.923 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:152 Resp: 250921

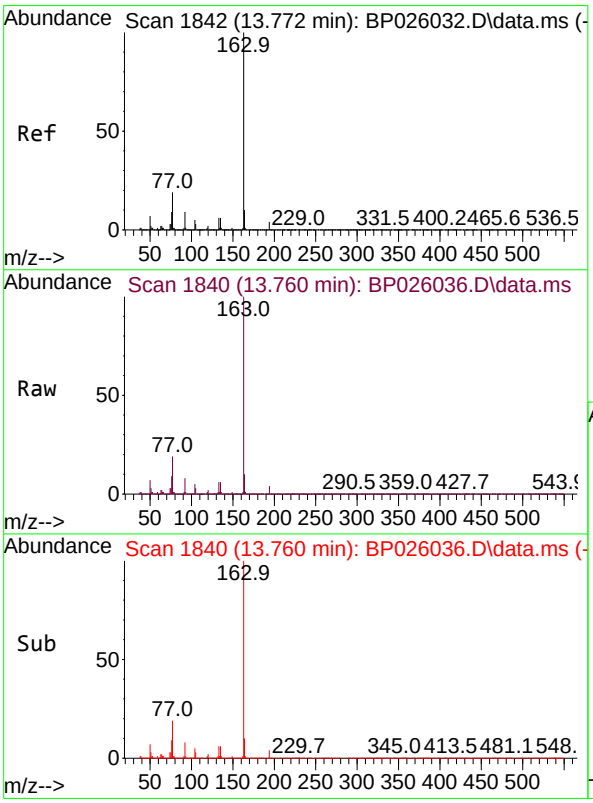
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

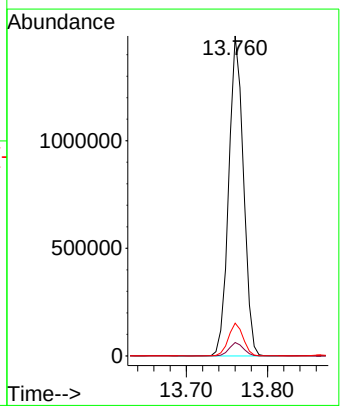
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

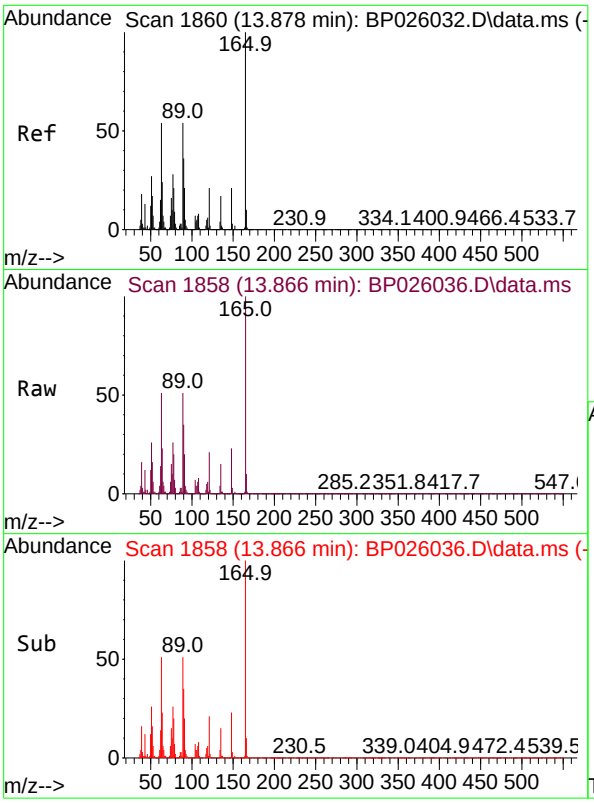


#50
Dimethylphthalate
Concen: 35.112 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:163 Resp: 1875076

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.2	12.2

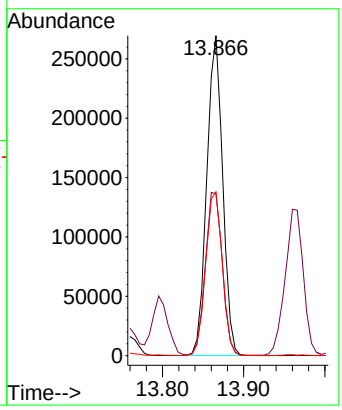




#51
2,6-Dinitrotoluene
Concen: 37.528 ng
RT: 13.866 min Scan# 18
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:165 Resp: 367251

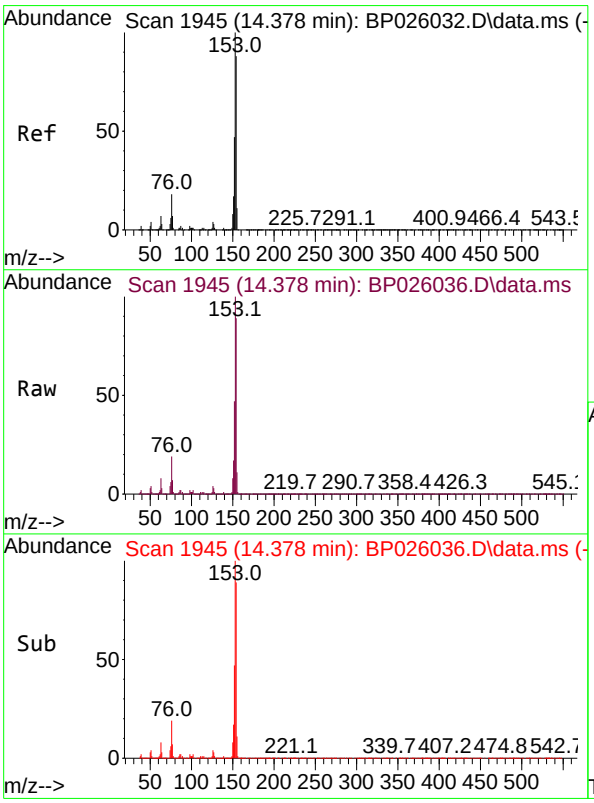
Ion	Ratio	Lower	Upper
165	100		
63	50.6	43.0	64.4
89	51.2	43.0	64.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

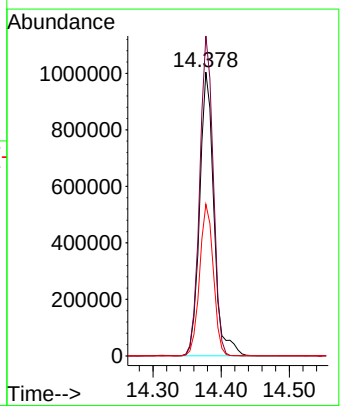
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

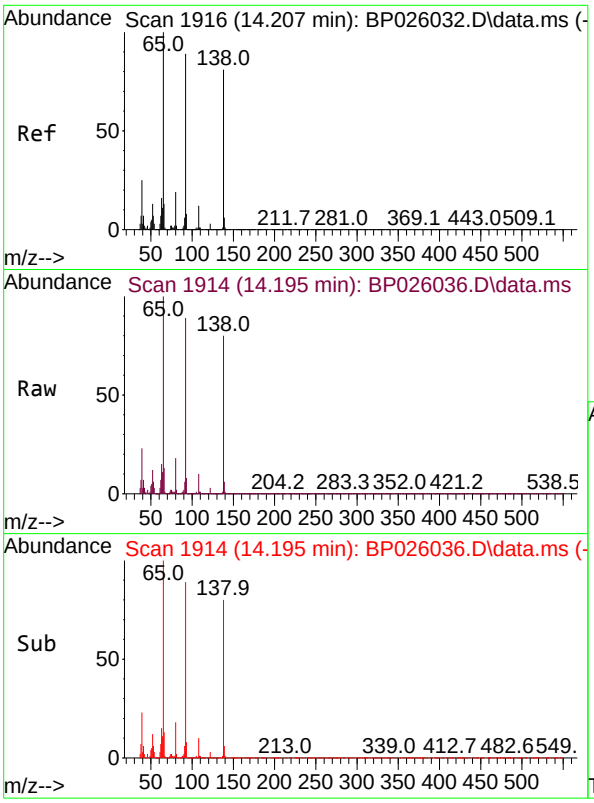


#52
Acenaphthene
Concen: 32.961 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:154 Resp: 1458746

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.0	136.4
152	53.4	42.7	64.1

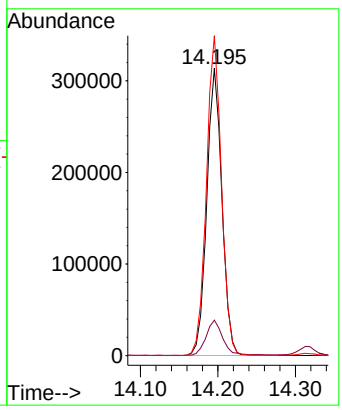




#53
3-Nitroaniline
Concen: 36.037 ng
RT: 14.195 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:138 Resp: 42519

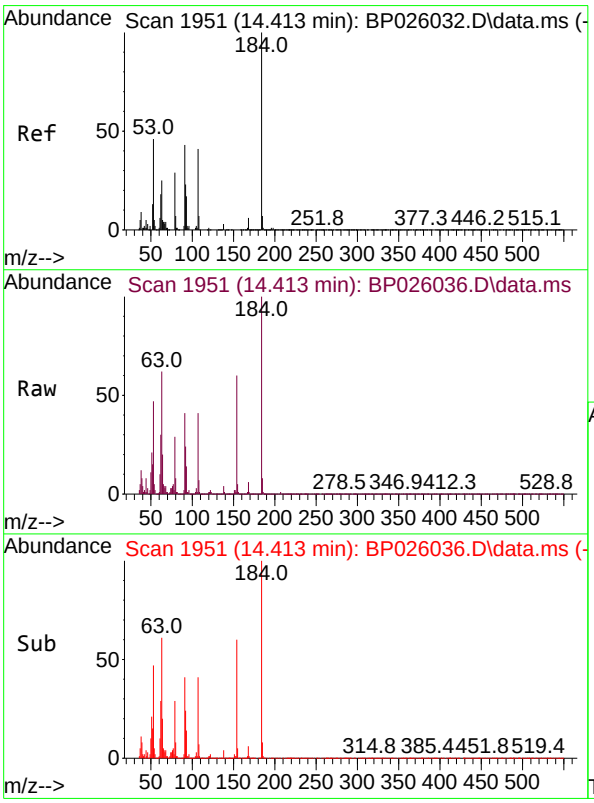
Ion	Ratio	Lower	Upper
138	100		
108	12.3	11.4	17.0
92	111.4	87.1	130.7



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

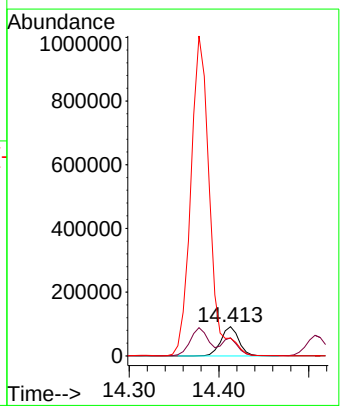
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

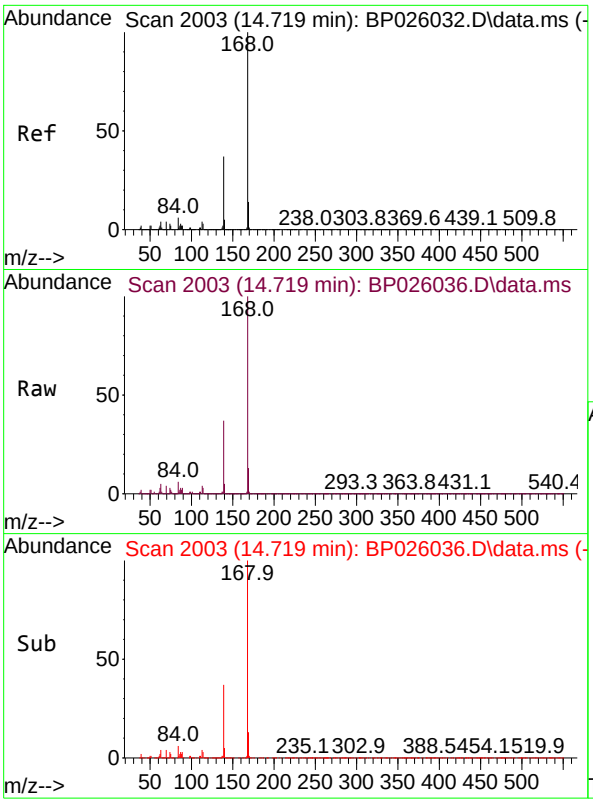


#54
2,4-Dinitrophenol
Concen: 36.040 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:184 Resp: 126516

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.0	73.4
154	60.3	51.0	76.6

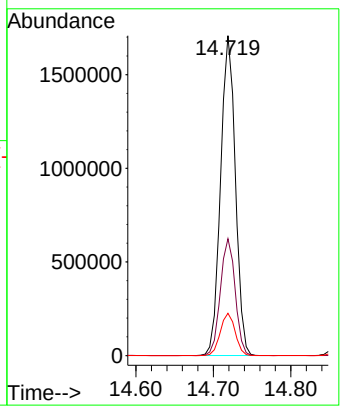




#55
Dibenzofuran
Concen: 33.938 ng
RT: 14.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:168 Resp: 226931

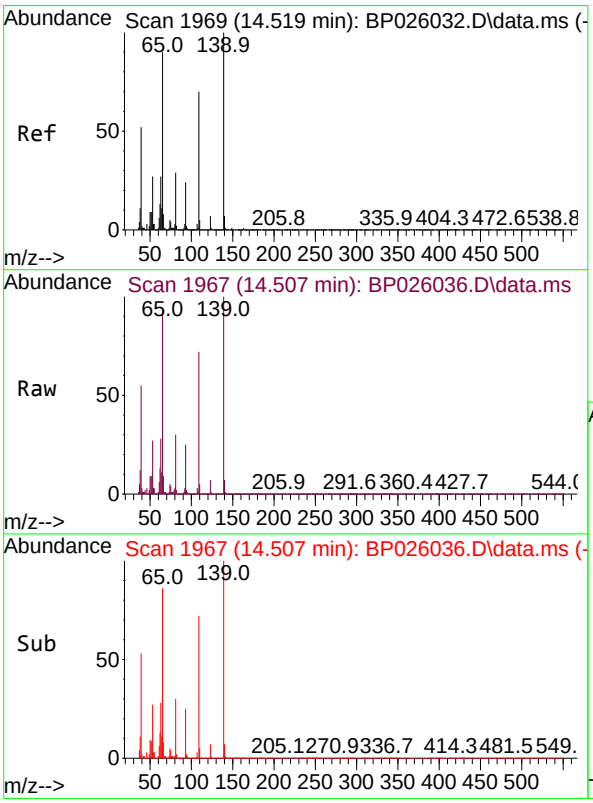
Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.7	44.5
169	13.2	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

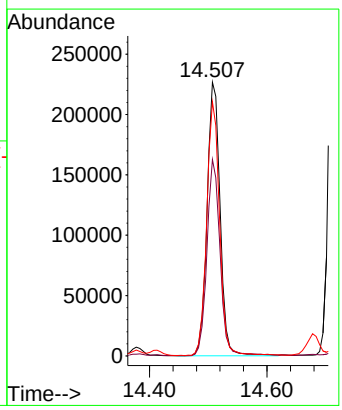
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

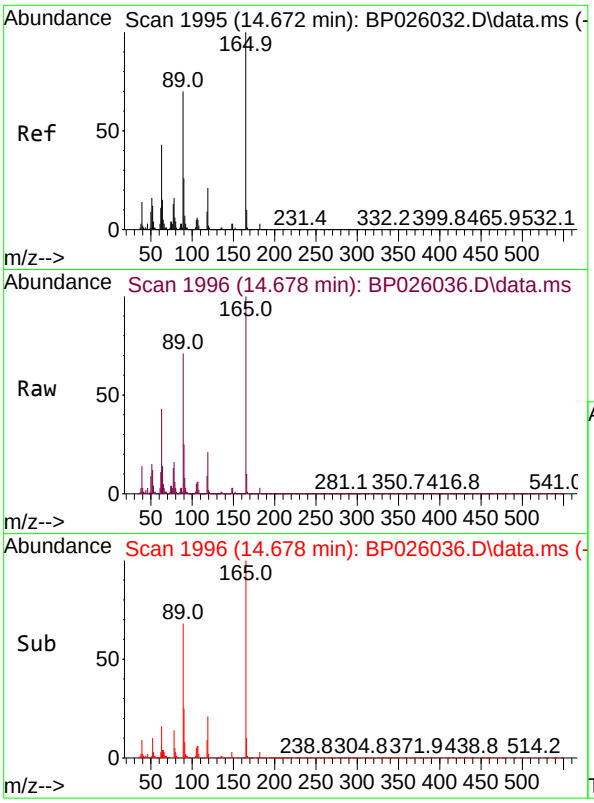


#56
4-Nitrophenol
Concen: 32.703 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:139 Resp: 348249

Ion	Ratio	Lower	Upper
139	100		
109	71.7	50.0	90.0
65	92.8	69.6	109.6

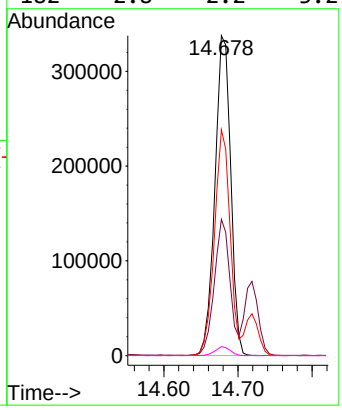




#57
2,4-Dinitrotoluene
Concen: 35.013 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:165 Resp: 499801

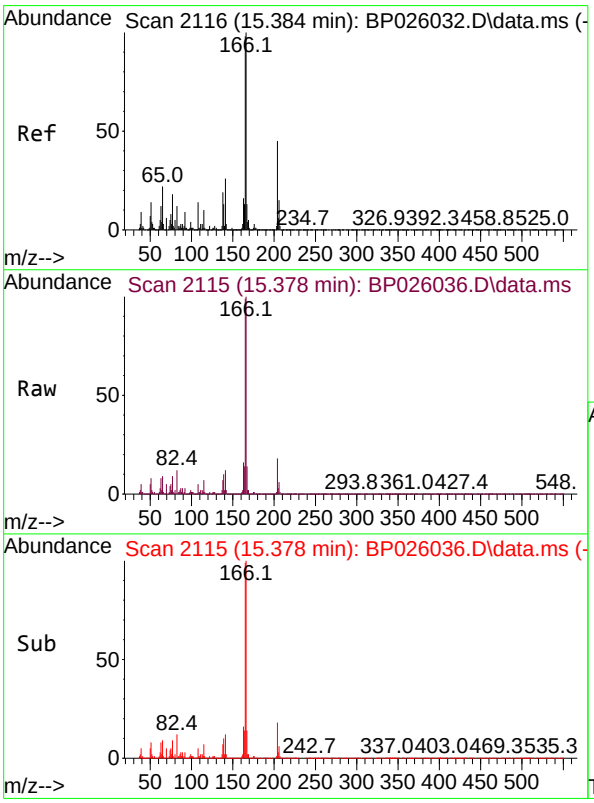
Ion	Ratio	Lower	Upper
165	100		
63	42.6	34.2	51.2
89	70.6	56.0	84.0
182	2.8	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

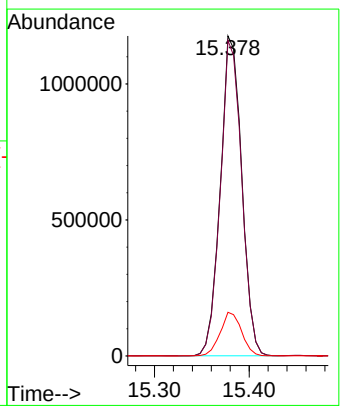
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

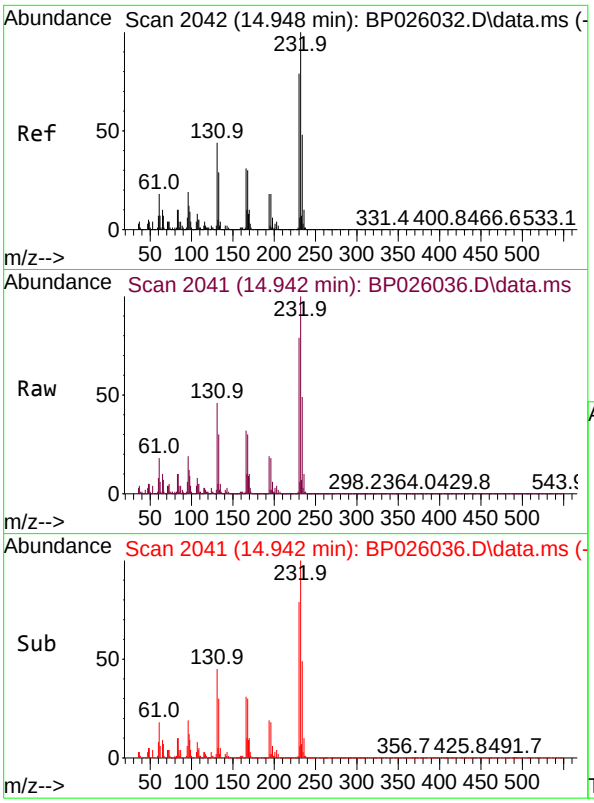


#58
Fluorene
Concen: 35.342 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:166 Resp: 1851395

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.1	117.1
167	13.6	10.6	16.0

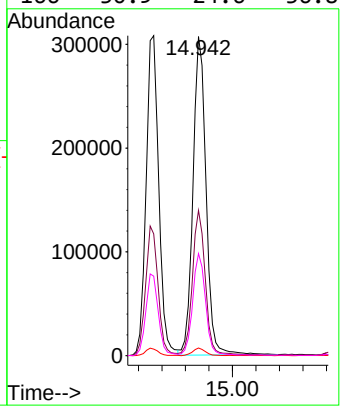




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.197 ng
RT: 14.942 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:232 Resp: 47416

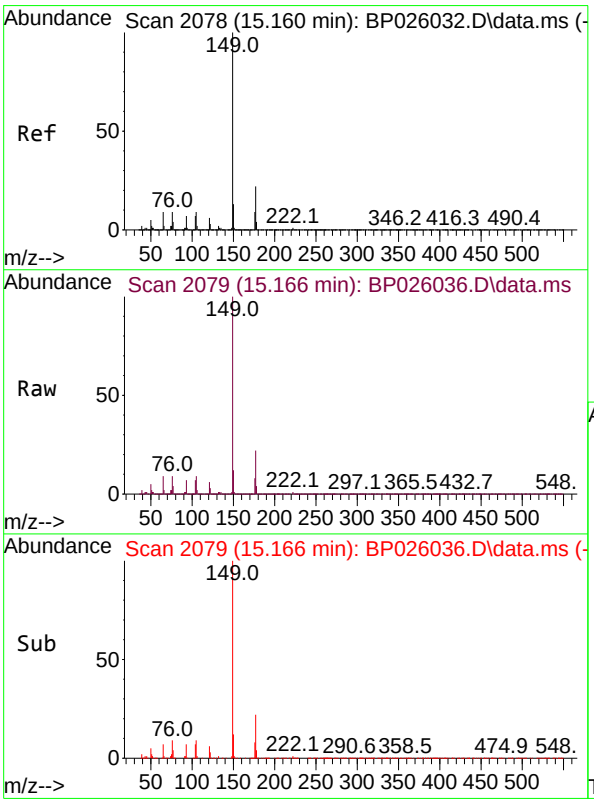
Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.2	52.8
130	2.3	1.7	2.5
166	30.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

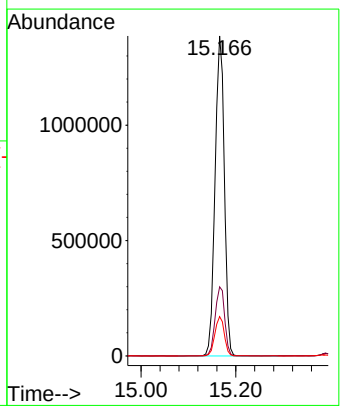
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

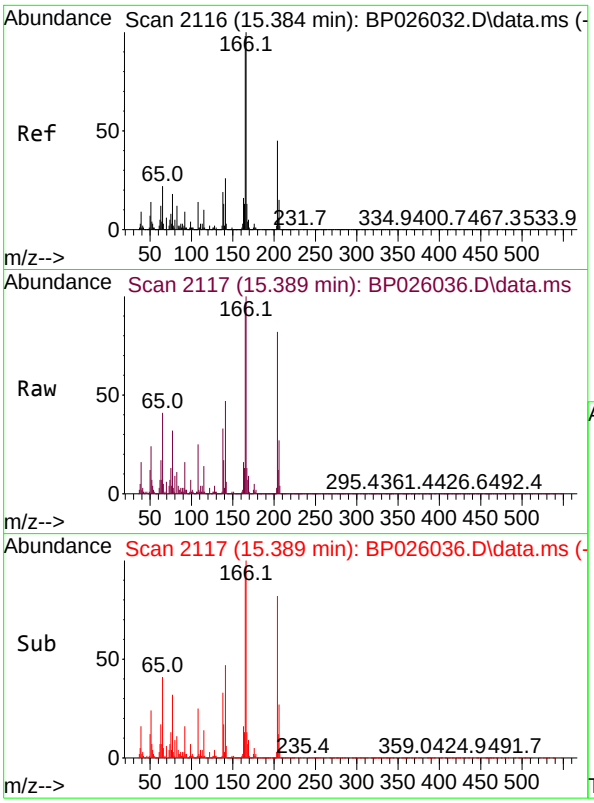


#60
Diethylphthalate
Concen: 35.015 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 1879900

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 33.928 ng
RT: 15.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

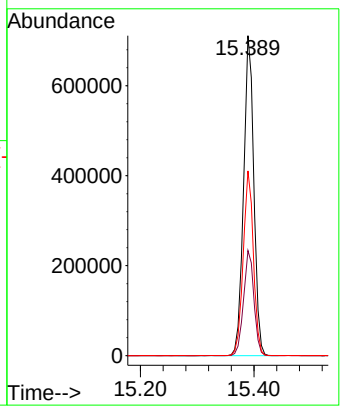
Tgt Ion:204 Resp: 887559

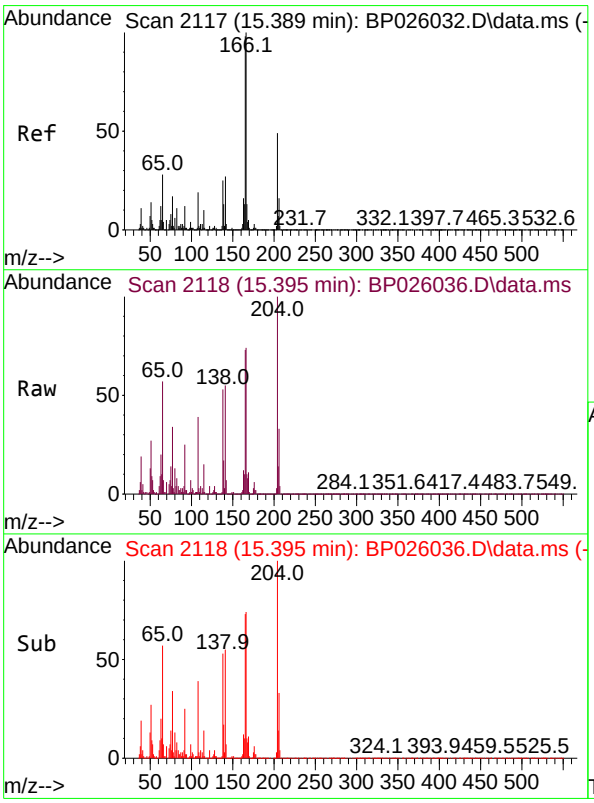
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	57.7	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

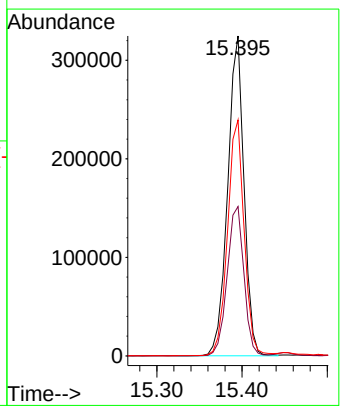


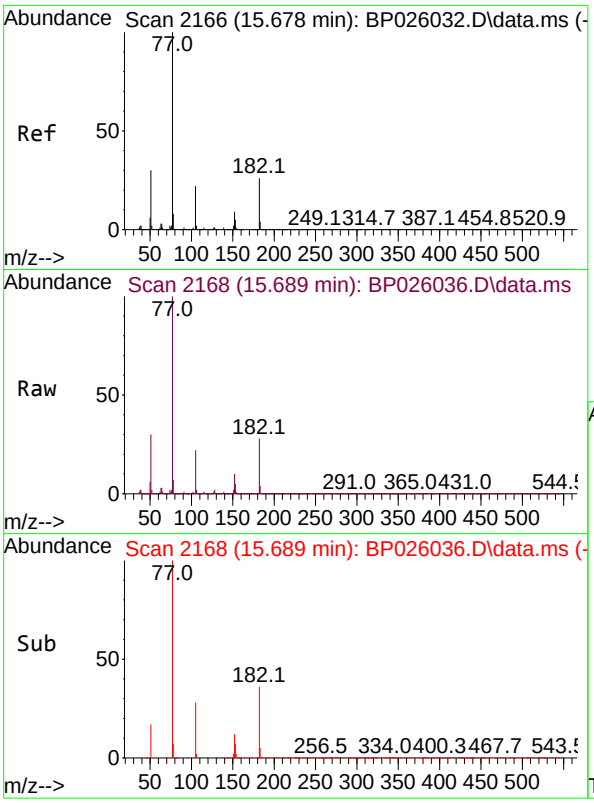


#62
4-Nitroaniline
Concen: 37.891 ng
RT: 15.395 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:138 Resp: 432391

Ion	Ratio	Lower	Upper
138	100		
92	46.7	28.2	68.2
108	73.7	56.0	96.0

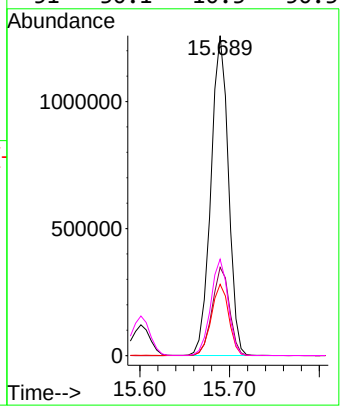




#63
Azobenzene
Concen: 35.051 ng
RT: 15.689 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 77 Resp: 170548

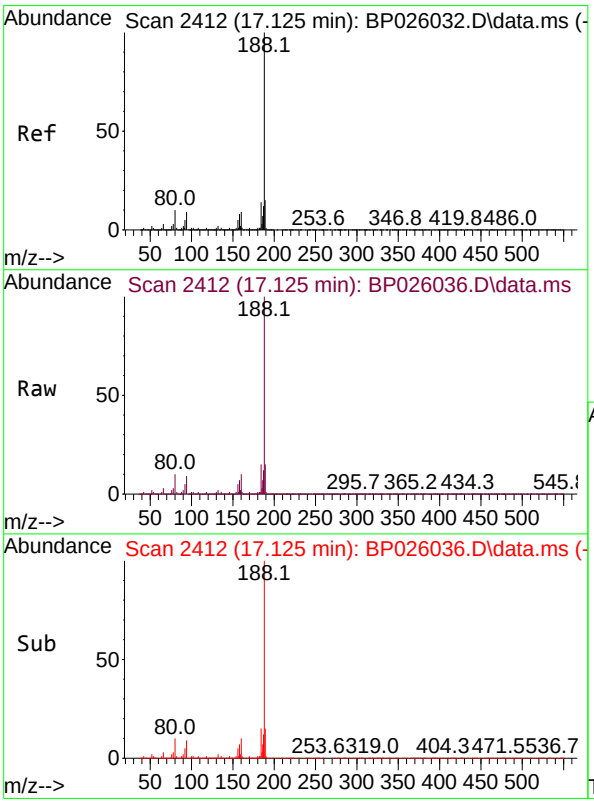
Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.4	46.4
105	22.3	2.2	42.2
51	30.1	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

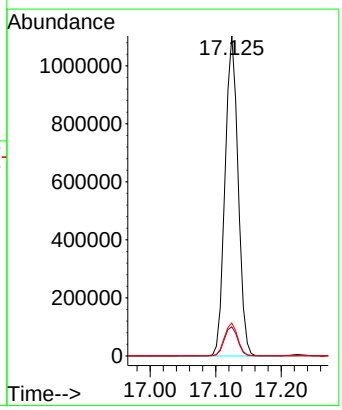
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

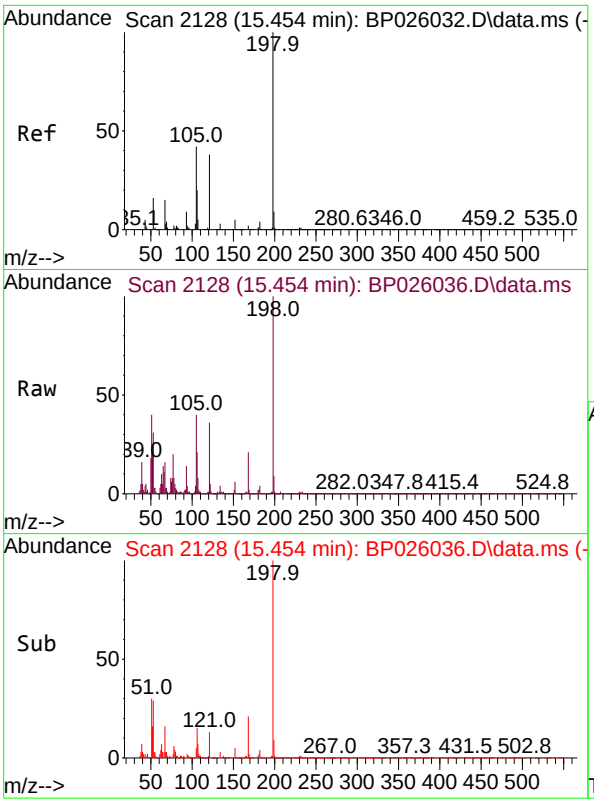


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:188 Resp: 1529844

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.3	7.9	11.9

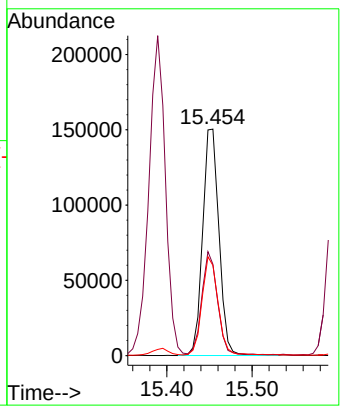




#65
4,6-Dinitro-2-methylphenol
Concen: 35.409 ng
RT: 15.454 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:198 Resp: 200079

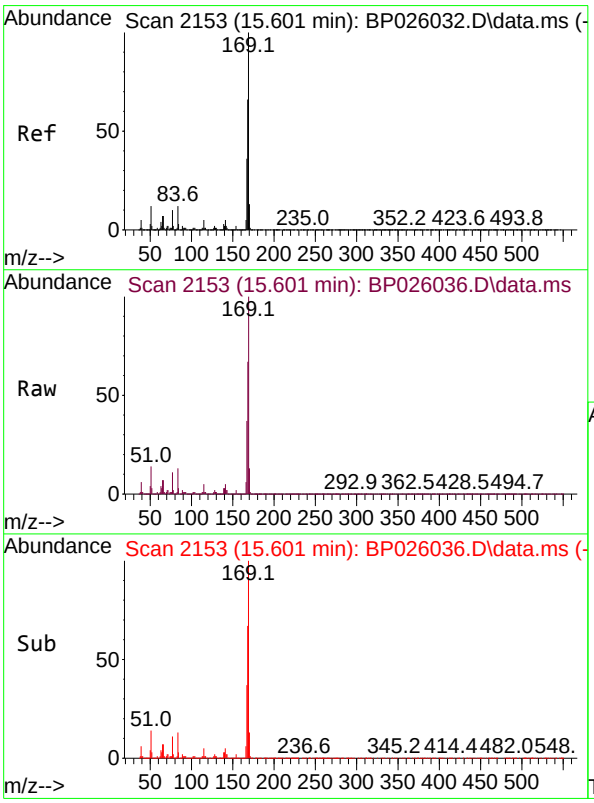
Ion	Ratio	Lower	Upper
198	100		
51	40.3	25.2	65.2
105	39.8	23.7	63.7



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

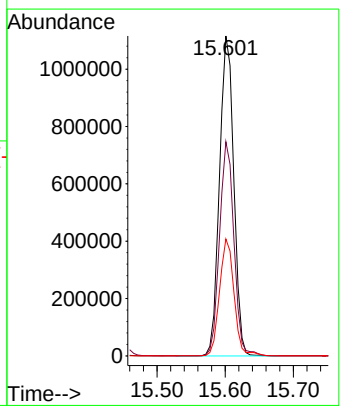
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

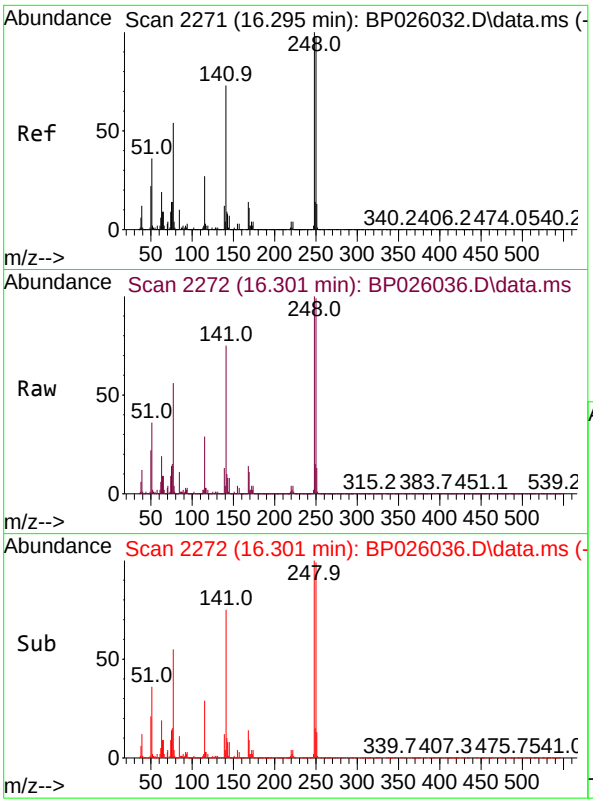


#66
n-Nitrosodiphenylamine
Concen: 33.661 ng
RT: 15.601 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:169 Resp: 1610105

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.9	79.3
167	36.5	28.9	43.3

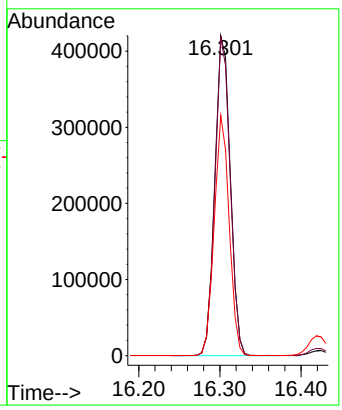




#67
4-Bromophenyl-phenylether
Concen: 32.800 ng
RT: 16.301 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:248 Resp: 55662

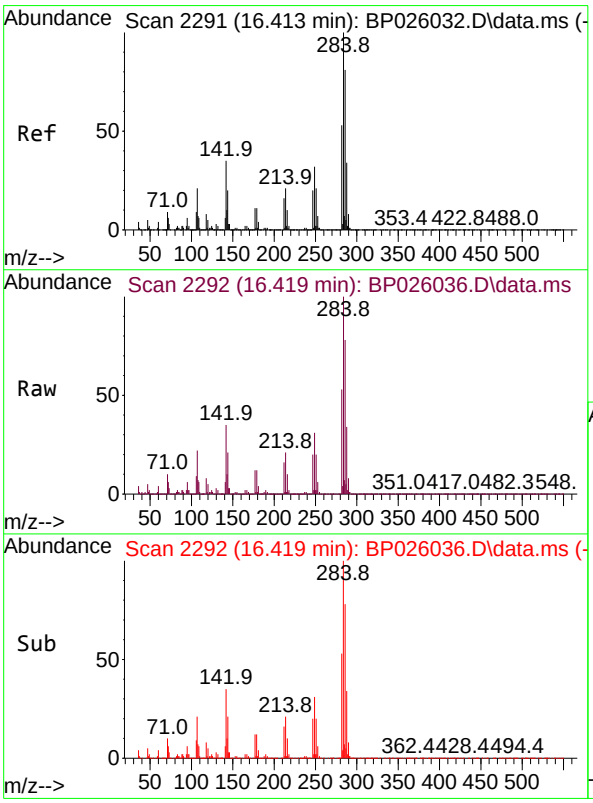
Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.4	117.6
141	75.0	58.3	87.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

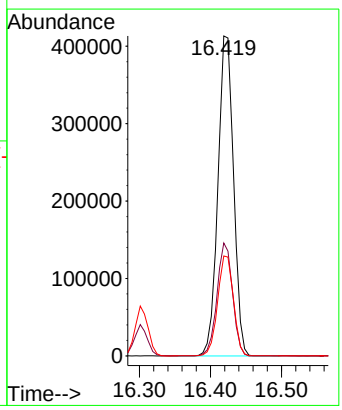
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

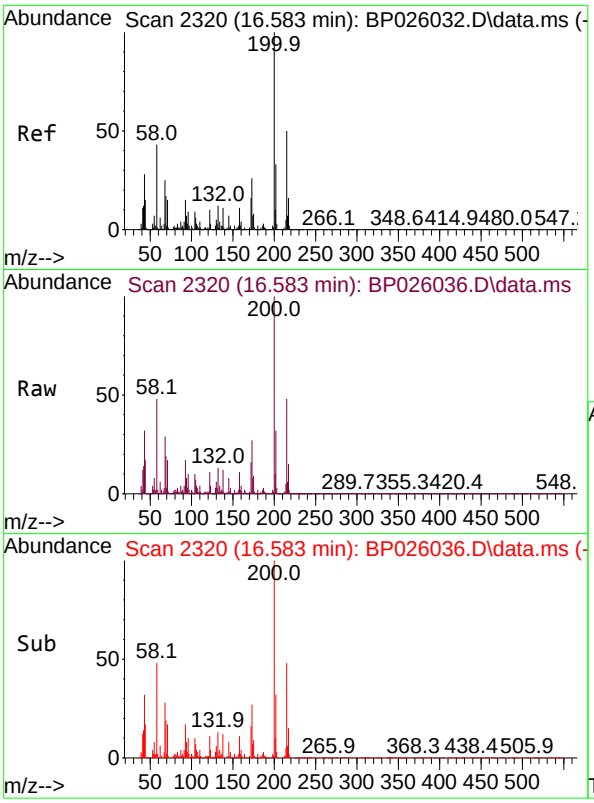


#68
Hexachlorobenzene
Concen: 32.804 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:284 Resp: 633716

Ion	Ratio	Lower	Upper
284	100		
142	35.3	27.7	41.5
249	31.2	25.5	38.3

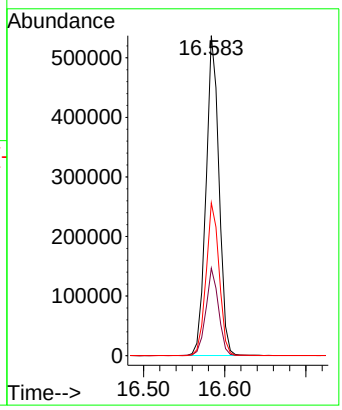




#69
Atrazine
Concen: 37.108 ng
RT: 16.583 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:200 Resp: 59877

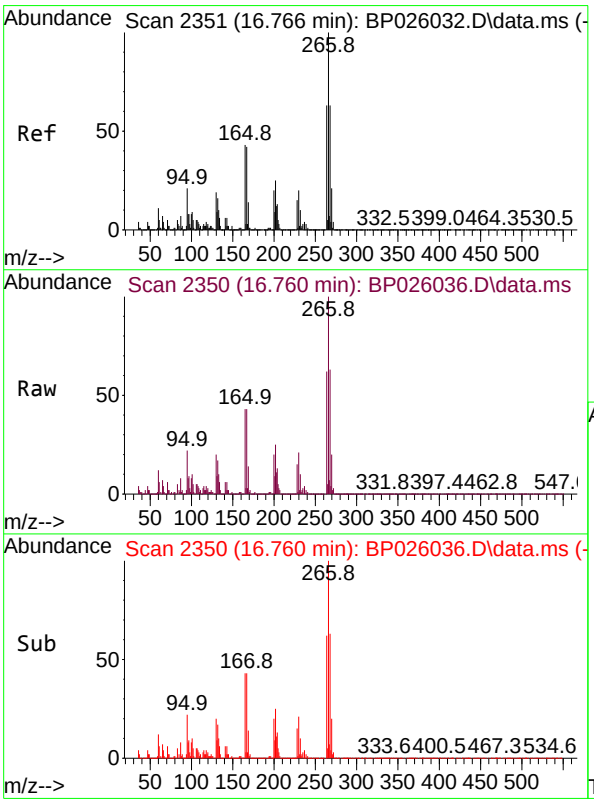
Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.2	46.2
215	47.7	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

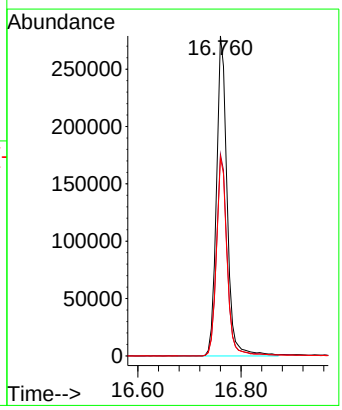
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

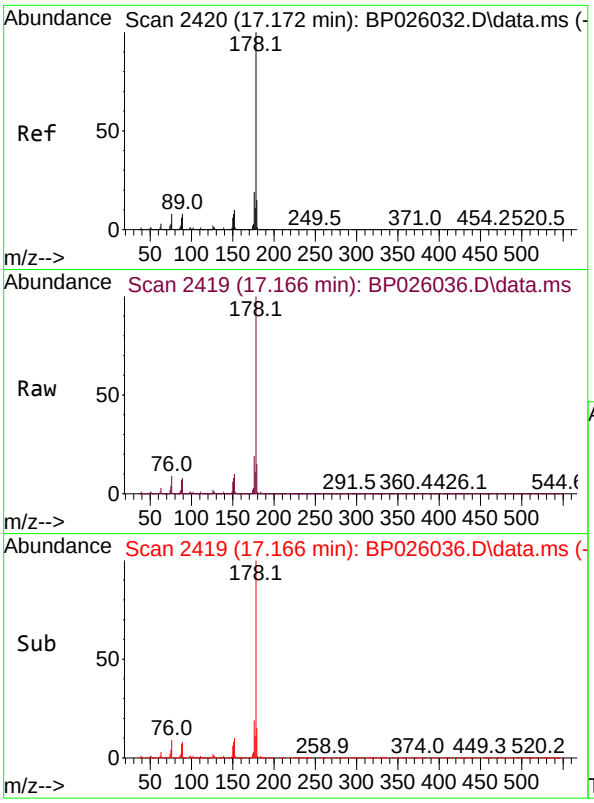


#70
Pentachlorophenol
Concen: 33.716 ng
RT: 16.760 min Scan# 2350
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:266 Resp: 397848

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.6	76.0
264	62.1	50.2	75.4

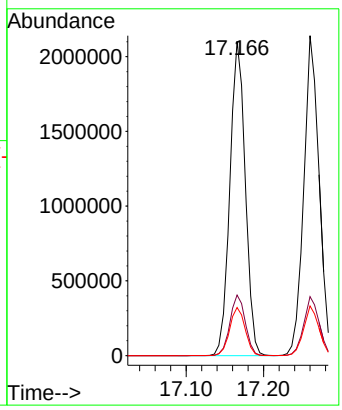




#71
Phenanthrene
Concen: 32.726 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:178 Resp: 291404

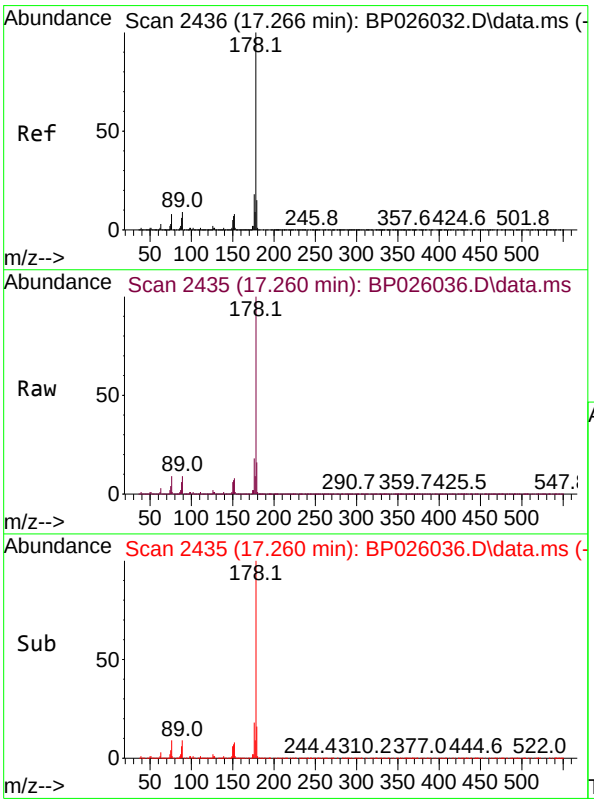
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

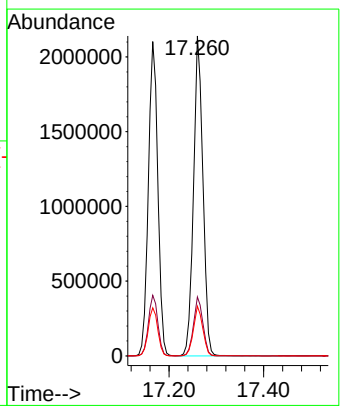
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

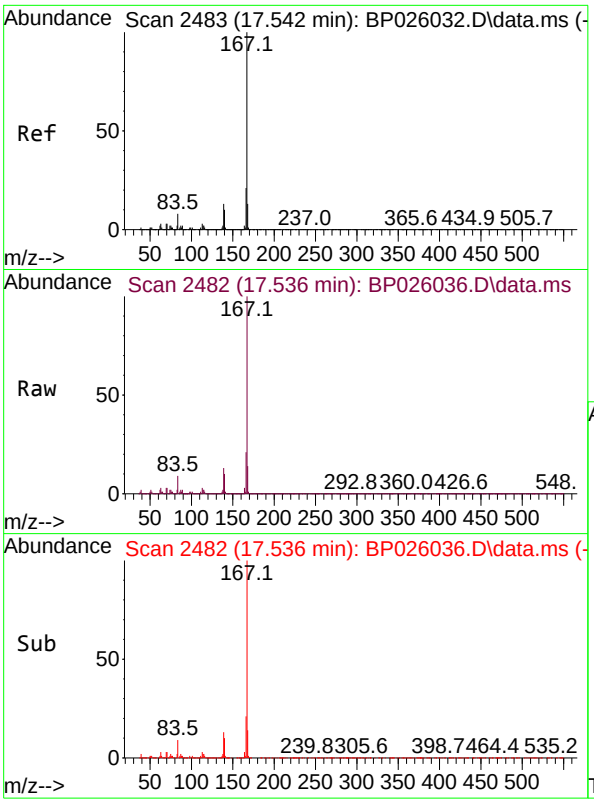


#72
Anthracene
Concen: 33.409 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:178 Resp: 2948850

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.5	12.2	18.4

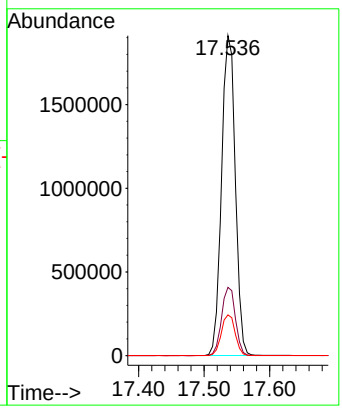




#73
Carbazole
Concen: 33.421 ng
RT: 17.536 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:167 Resp: 279240

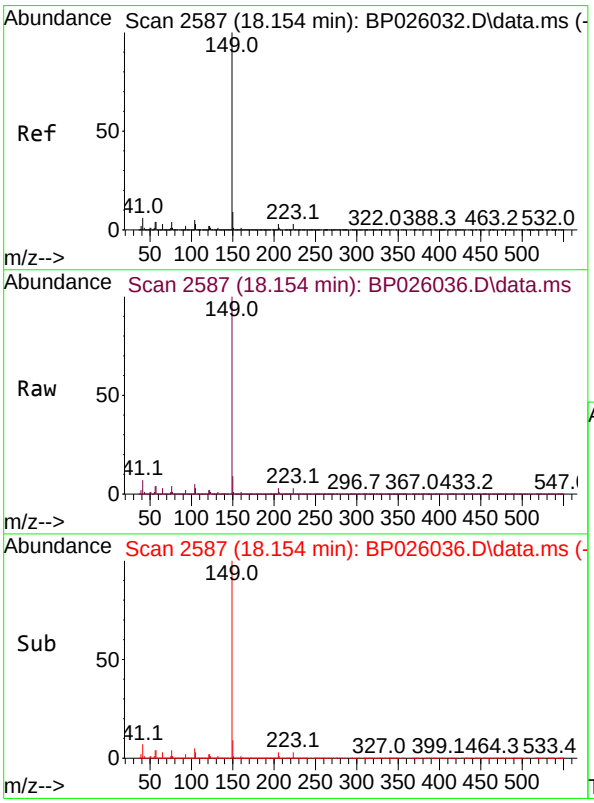
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.7	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

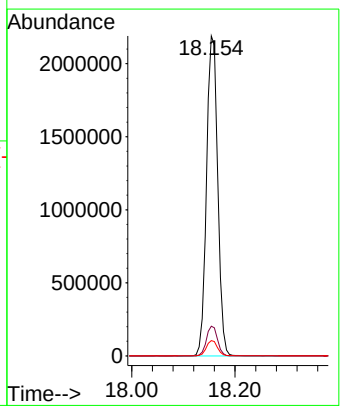
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

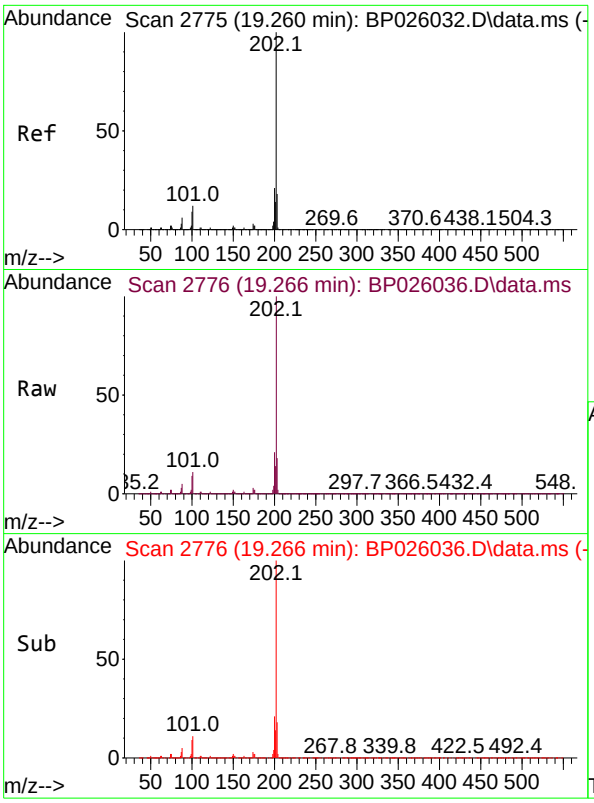


#74
Di-n-butylphthalate
Concen: 35.126 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 3284045

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.6

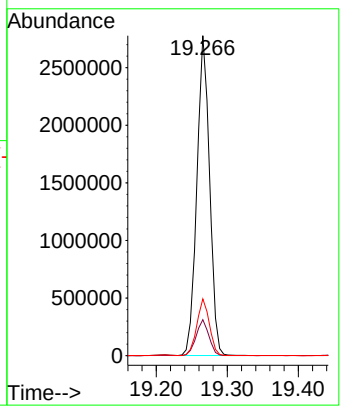




#75
Fluoranthene
Concen: 33.126 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:202 Resp: 344087

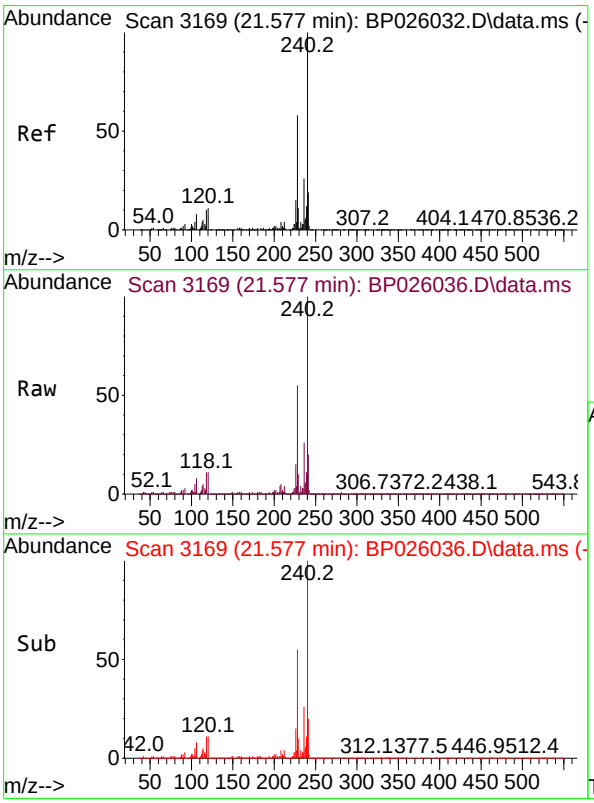
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.1
203	17.7	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

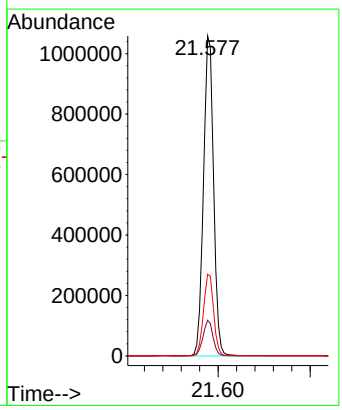
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

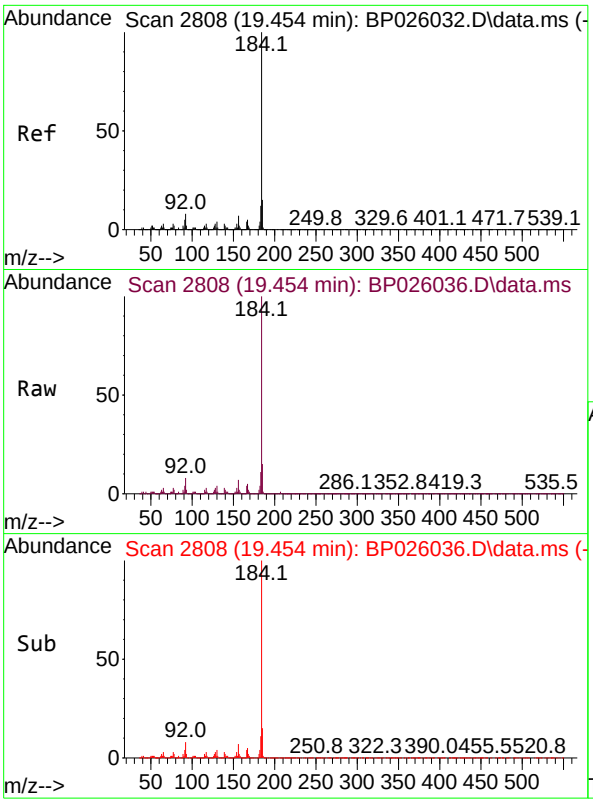


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:240 Resp: 1603754

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.5	20.6	31.0

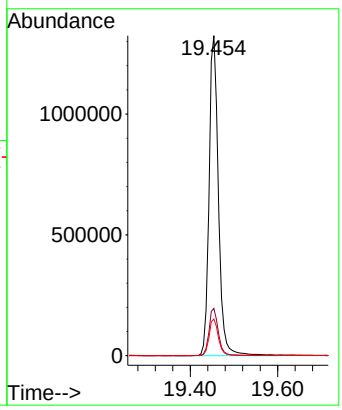




#77
Benzidine
Concen: 48.151 ng
RT: 19.454 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:184 Resp: 196009

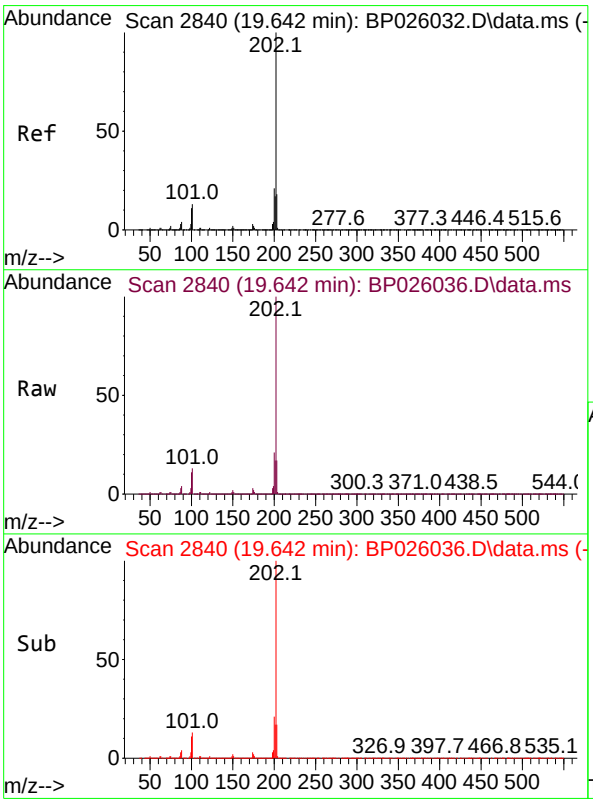
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.4	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

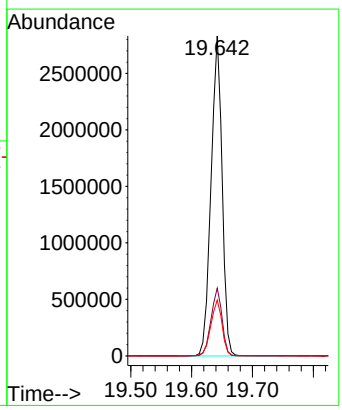
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

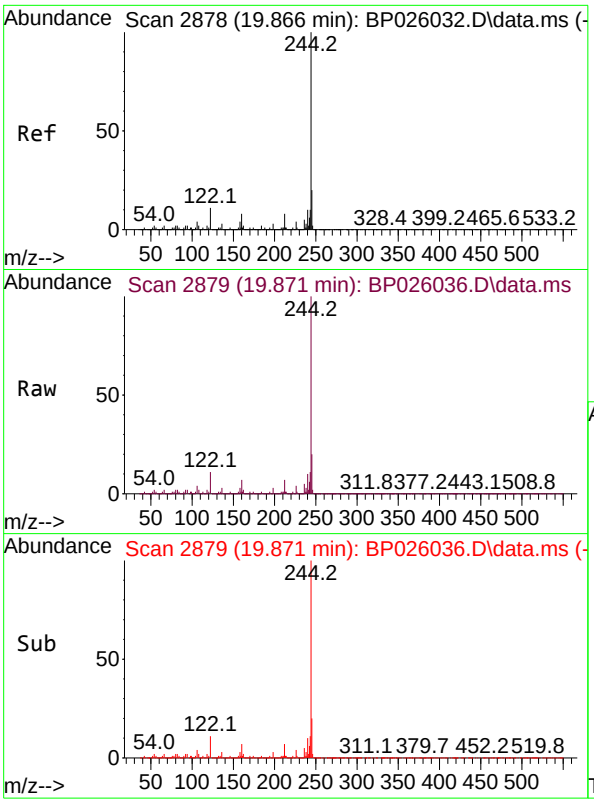


#78
Pyrene
Concen: 32.912 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:202 Resp: 3569948

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.4	14.0	21.0

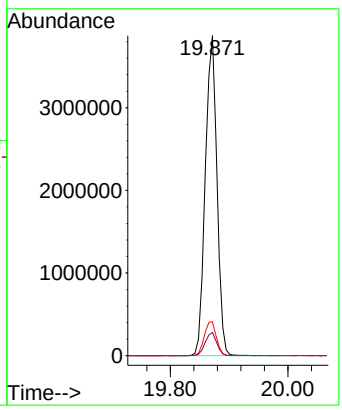




#79
Terphenyl-d14
Concen: 67.515 ng
RT: 19.871 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:244 Resp: 5329468

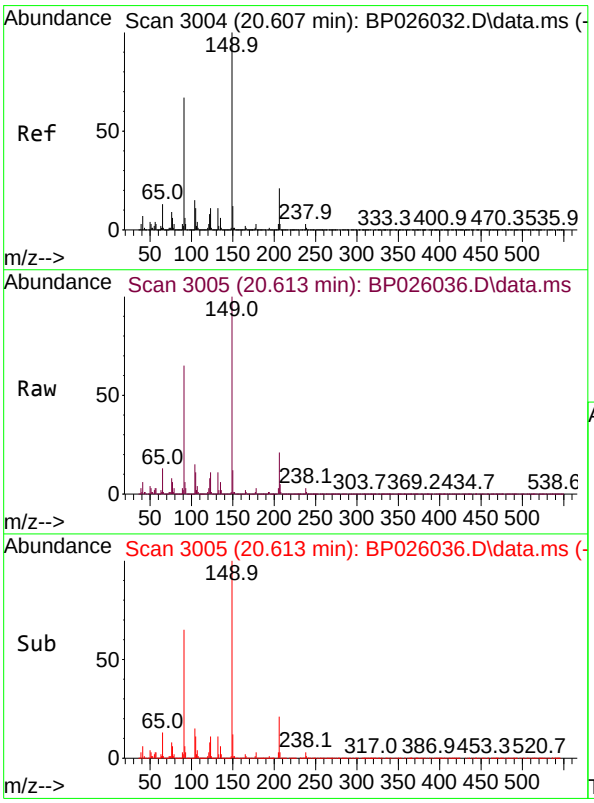
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.6	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

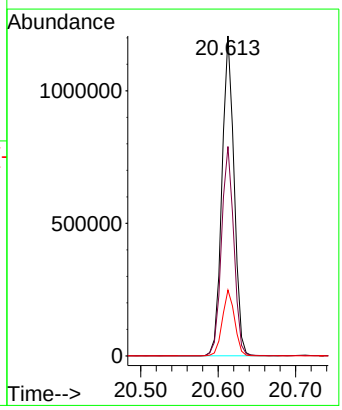
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

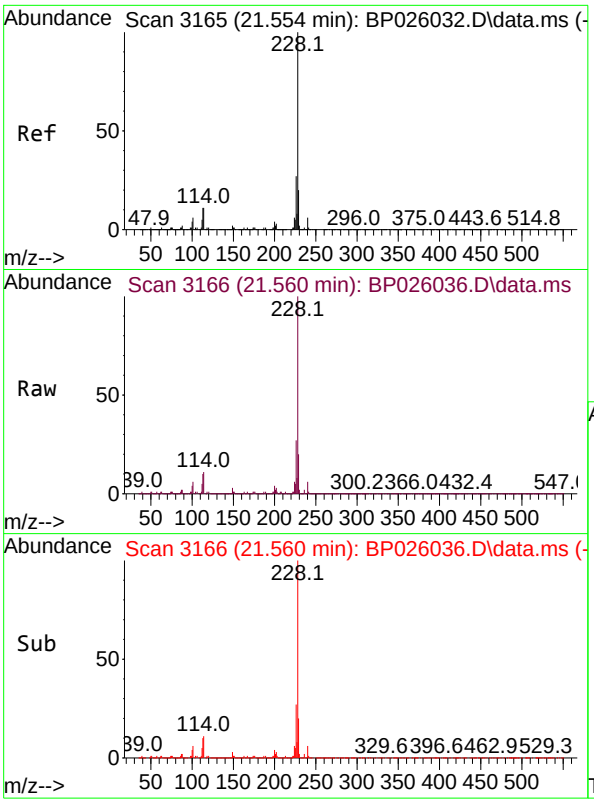


#80
Butylbenzylphthalate
Concen: 33.630 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 1317625

Ion	Ratio	Lower	Upper
149	100		
91	65.4	53.5	80.3
206	20.6	16.6	25.0

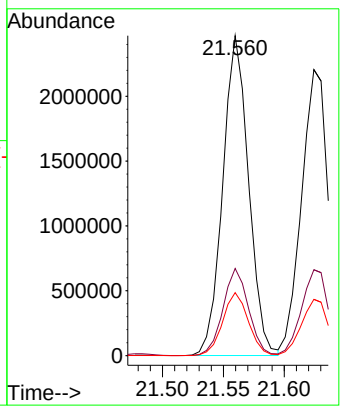




#81
Benzo(a)anthracene
Concen: 33.052 ng
RT: 21.560 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:228 Resp: 364248

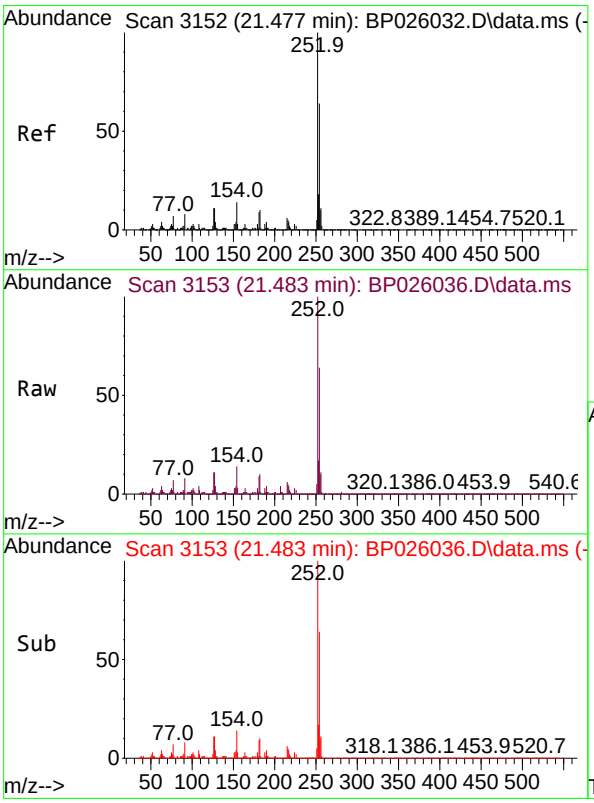
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.7	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

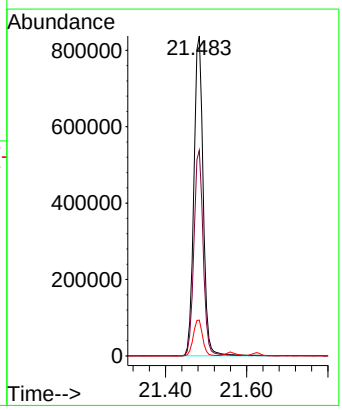
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

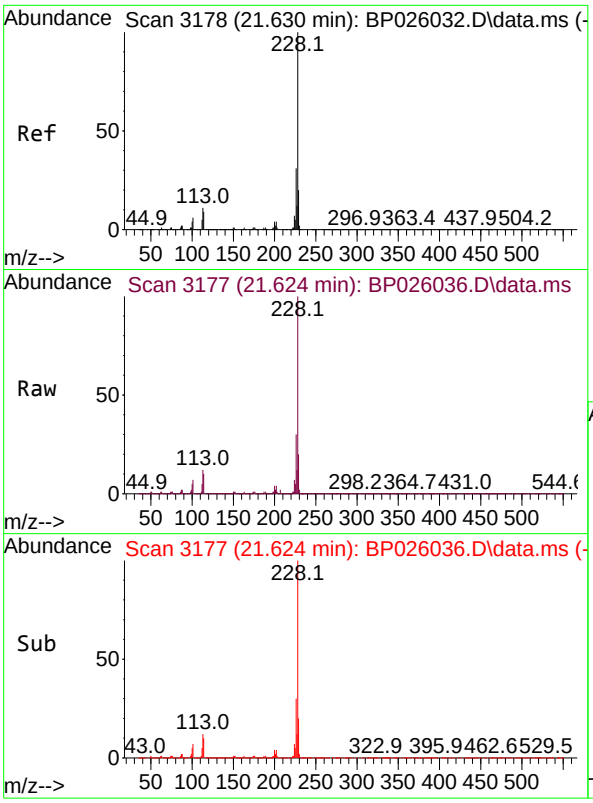


#82
3,3'-Dichlorobenzidine
Concen: 37.253 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 1322765

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.3	76.9
126	11.2	9.1	13.7

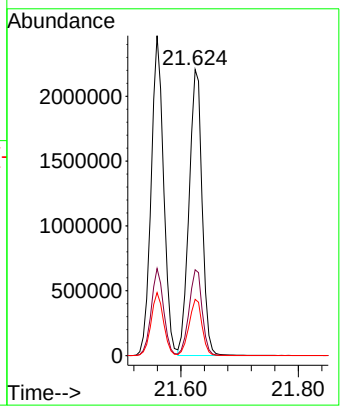




#83
Chrysene
Concen: 32.526 ng
RT: 21.624 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:228 Resp: 339552

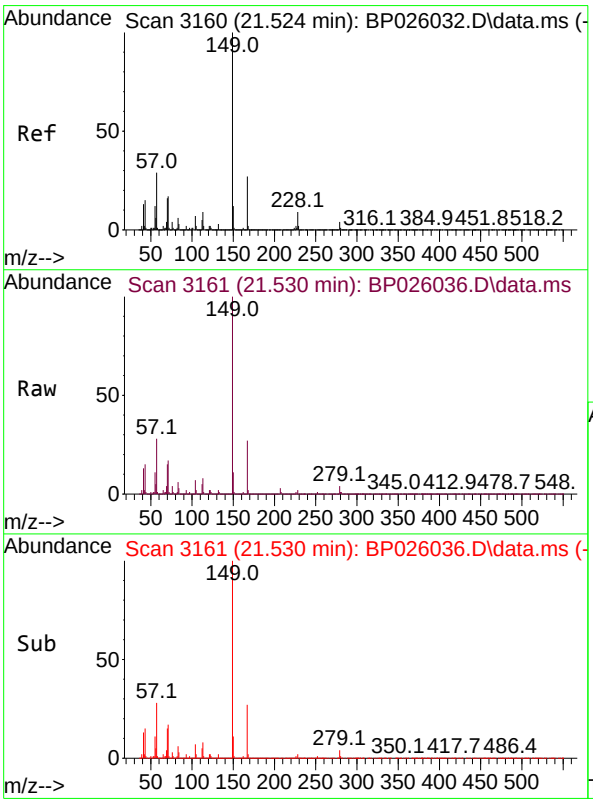
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	19.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

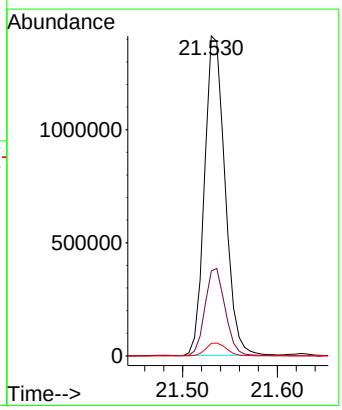
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

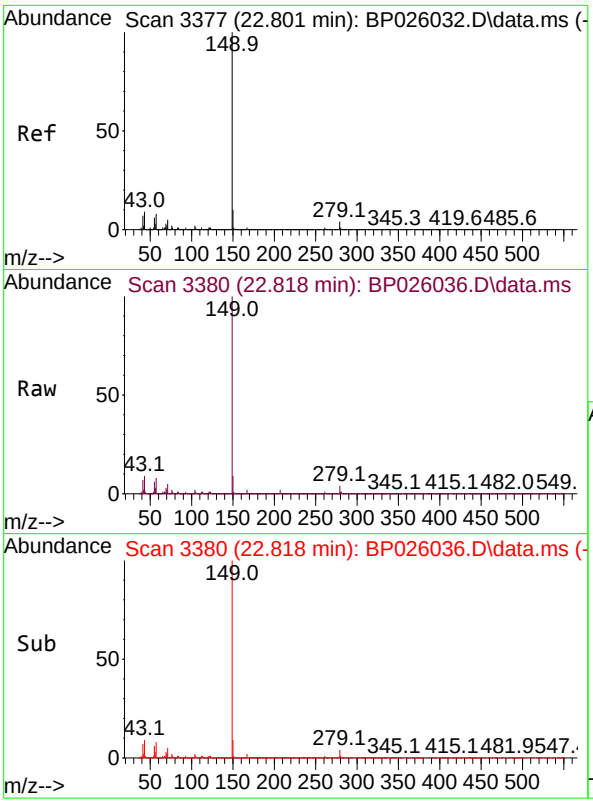


#84
Bis(2-ethylhexyl)phthalate
Concen: 33.750 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 2128720

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.5	32.3
279	3.9	3.0	4.6

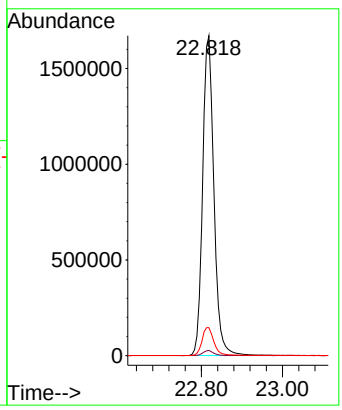




#85
Di-n-octyl phthalate
Concen: 33.668 ng
RT: 22.818 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:149 Resp: 321423

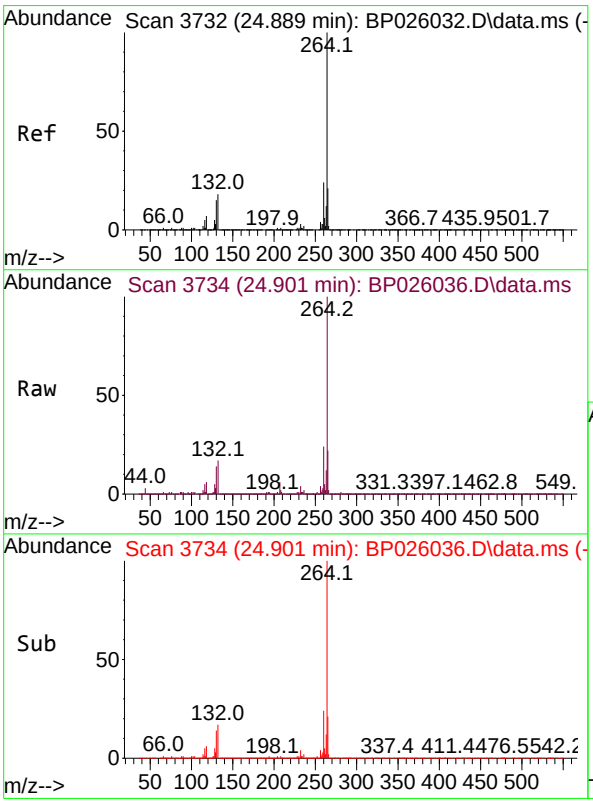
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.6	11.4



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

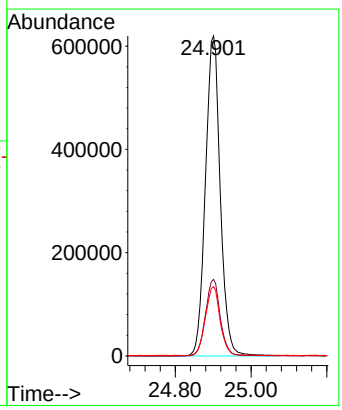
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

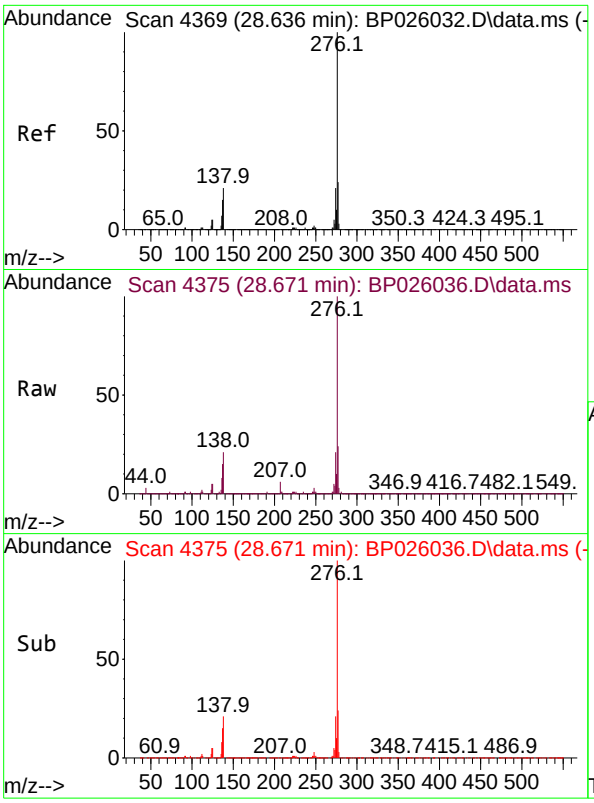


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:264 Resp: 1688986

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.6	17.2	25.8

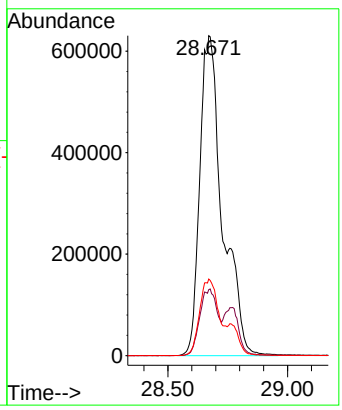




#87
Indeno(1,2,3-cd)pyrene
Concen: 33.295 ng m
RT: 28.671 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:276 Resp: 415159

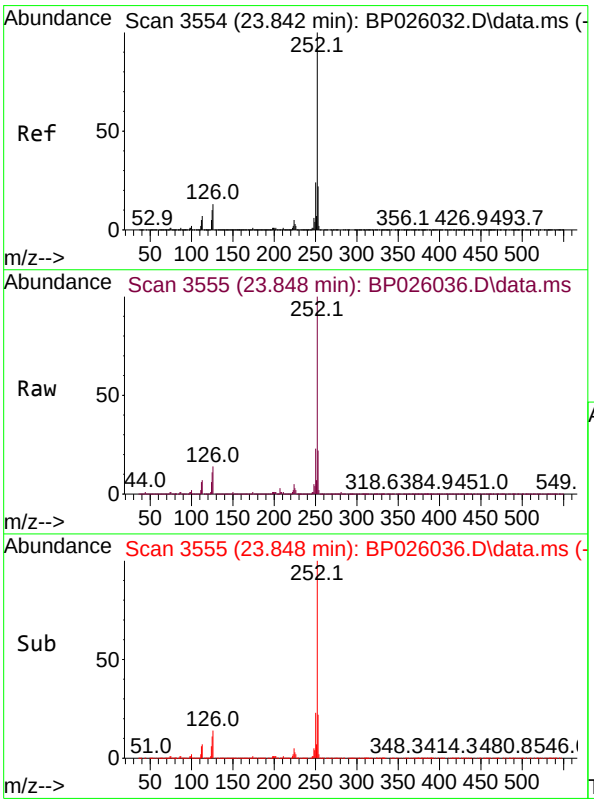
Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.2	19.8
277	20.5	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

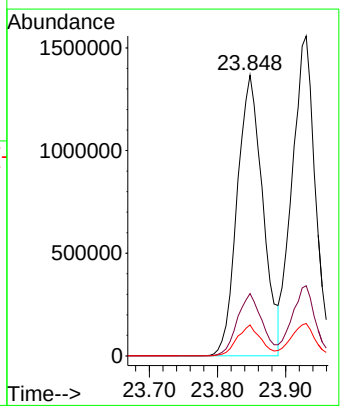
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

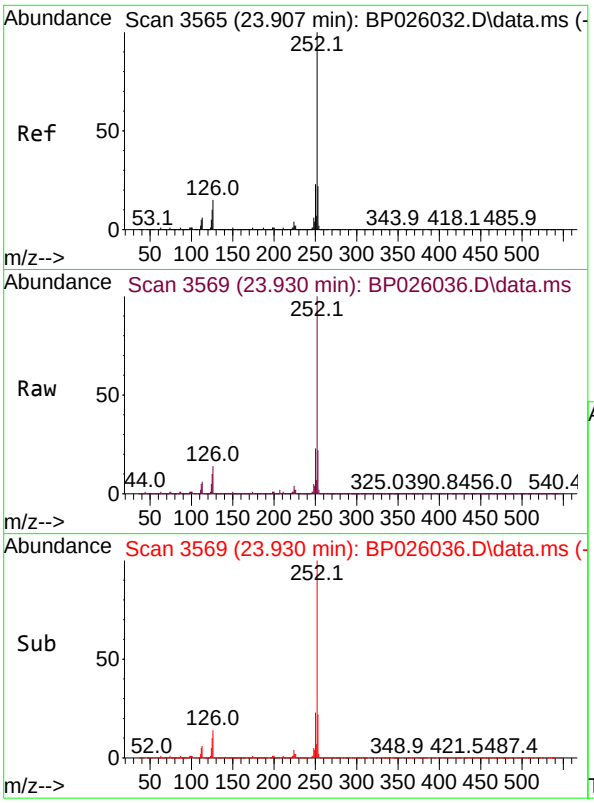


#88
Benzo(b)fluoranthene
Concen: 34.098 ng
RT: 23.848 min Scan# 3555
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 3575209

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.0	8.1	12.1

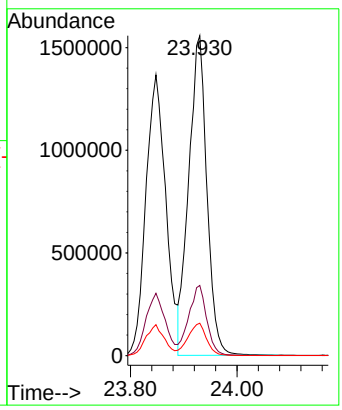




#89
Benzo(k)fluoranthene
Concen: 34.381 ng
RT: 23.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 368117

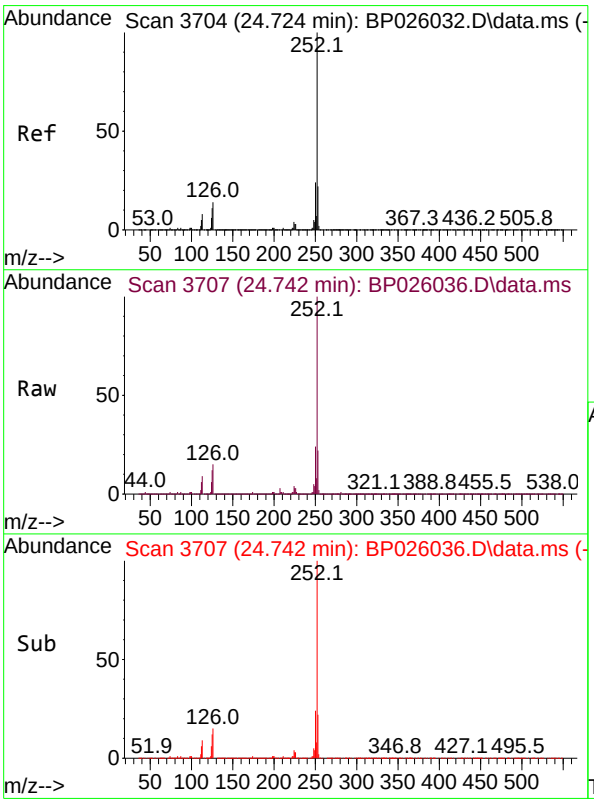
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.1	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

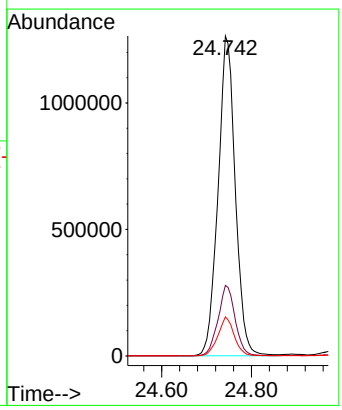
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

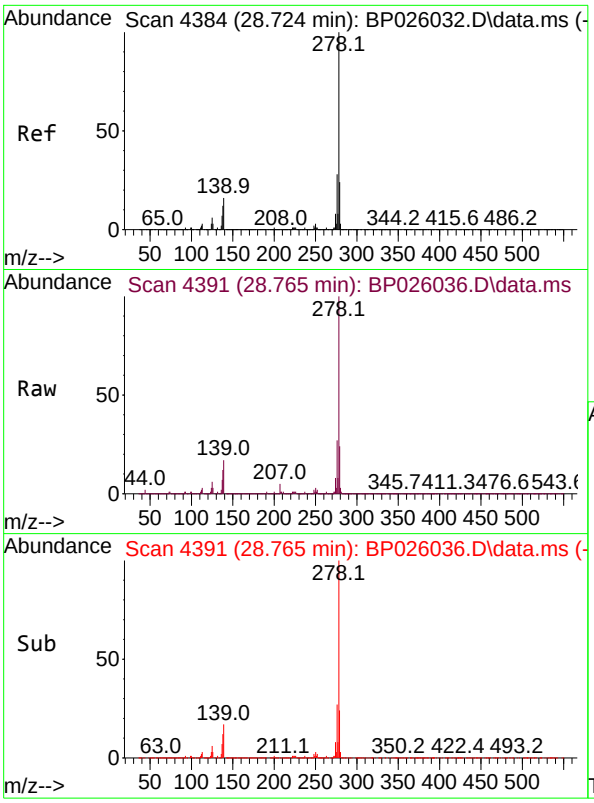


#90
Benzo(a)pyrene
Concen: 35.024 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:252 Resp: 3373695

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.2	9.1	13.7

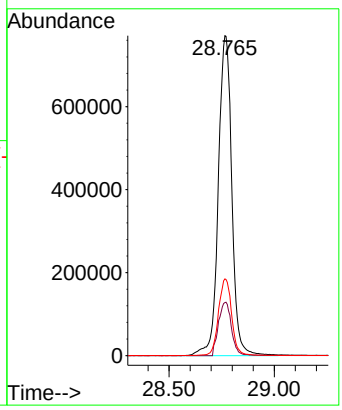




#91
Dibenzo(a,h)anthracene
Concen: 33.879 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:278 Resp: 343782

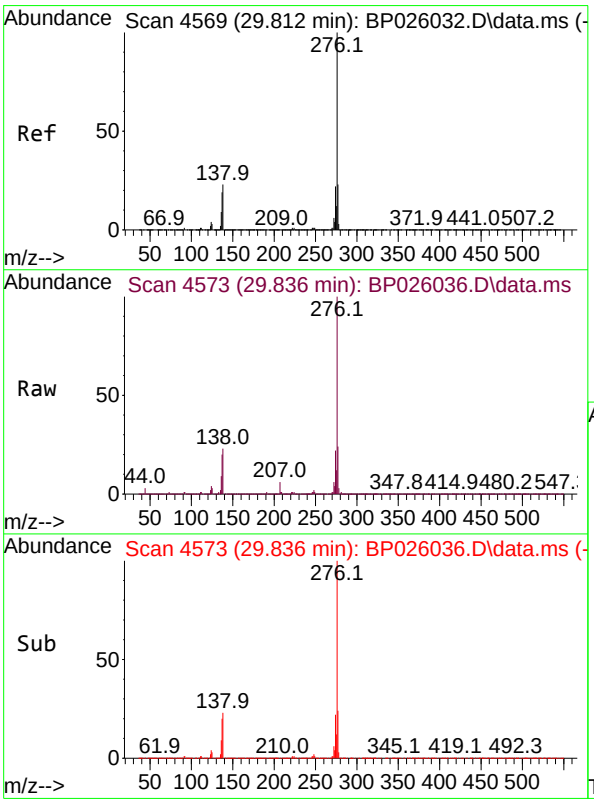
Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.0	19.6
279	24.0	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

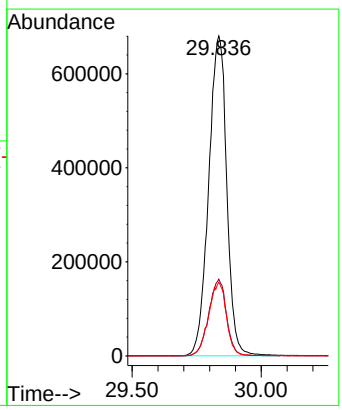
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025



#92
Benzo(g,h,i)perylene
Concen: 33.862 ng
RT: 29.836 min Scan# 4573
Delta R.T. 0.006 min
Lab File: BP026036.D
Acq: 29 Oct 2025 16:09

Tgt Ion:276 Resp: 3306526

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	23.0	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	96	-0.05
2		1,4-Dioxane	0.511	0.425	16.8	79	-0.02
3		Pyridine	1.453	1.186	18.4	77	-0.03
4		n-Nitrosodimethylamine	0.582	0.511	12.2	84	-0.03
5	S	2-Fluorophenol	1.212	1.037	14.4	80	-0.05
6		Aniline	2.059	1.845	10.4	84	-0.05
7	S	Phenol-d6	1.543	1.313	14.9	79	-0.05
8		2-Chlorophenol	1.342	1.161	13.5	80	-0.05
9		Benzaldehyde	0.802	0.923	-15.1	110	-0.05
10	C	Phenol	1.713	1.448	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	1.352	1.145	15.3	80	-0.05
12		1,3-Dichlorobenzene	1.541	1.331	13.6	81	-0.05
13	C	1,4-Dichlorobenzene	1.558	1.367	12.3	83	-0.05
14		1,2-Dichlorobenzene	1.487	1.305	12.2	83	-0.04
15		Benzyl Alcohol	1.112	0.978	12.1	83	-0.05
16		2,2'-oxybis(1-Chloropropane	2.043	1.712	16.2	78	-0.03
17		2-Methylphenol	1.121	0.981	12.5	80	-0.04
18		Hexachloroethane	0.533	0.461	13.5	80	-0.05
19	P	n-Nitroso-di-n-propylamine	0.958	0.870	9.2	82	-0.05
20		3+4-Methylphenols	1.560	1.336	14.4	80	-0.05
21	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.04
22		Acetophenone	0.506	0.452	10.7	85	-0.05
23	S	Nitrobenzene-d5	0.321	0.275	14.3	79	-0.04
24		Nitrobenzene	0.339	0.295	13.0	80	-0.04
25		Isophorone	0.687	0.602	12.4	81	-0.05
26	C	2-Nitrophenol	0.104	0.110	-5.8	83	-0.04
27		2,4-Dimethylphenol	0.289	0.271	6.2	87	-0.05
28		bis(2-Chloroethoxy)methane	0.433	0.373	13.9	81	-0.03
29	C	2,4-Dichlorophenol	0.305	0.264	13.4	78	-0.03
30		1,2,4-Trichlorobenzene	0.331	0.294	11.2	84	-0.04
31		Naphthalene	1.091	0.924	15.3	80	-0.04
32		Benzoic acid	0.163	0.151	7.4	87	-0.09
33		4-Chloroaniline	0.419	0.407	2.9	90	-0.03
34	C	Hexachlorobutadiene	0.211	0.178	15.6	80	-0.04
35		Caprolactam	0.107	0.093	13.1	80	-0.07
36	C	4-Chloro-3-methylphenol	0.320	0.277	13.4	78	-0.04
37		2-Methylnaphthalene	0.763	0.591	22.5	72	-0.03
38		1-Methylnaphthalene	0.742	0.611	17.7	77	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.621	0.536	13.7	81	-0.03
41	P	Hexachlorocyclopentadiene	0.227	0.268	-18.1	109	-0.03
42	S	2,4,6-Tribromophenol	0.216	0.197	8.8	80	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.333	9.3	80	-0.02
44		2,4,5-Trichlorophenol	0.419	0.370	11.7	78	-0.03
45	S	2-Fluorobiphenyl	1.392	1.166	16.2	79	-0.02
46		1,1'-Biphenyl	1.531	1.343	12.3	83	-0.02
47		2-Chloronaphthalene	1.205	1.002	16.8	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	0.272	0.255	6.3	81	-0.02
49		Acenaphthylene	1.756	1.709	2.7	90	0.00
50		Dimethylphthalate	1.455	1.277	12.2	81	-0.01
51		2,6-Dinitrotoluene	0.237	0.250	-5.5	91	-0.01
52	C	Acenaphthene	1.206	0.993	17.7	76	0.00
53		3-Nitroaniline	0.291	0.290	0.3	86	-0.01
54	P	2,4-Dinitrophenol	0.100	0.086	14.0	83	0.00
55		Dibenzofuran	1.822	1.545	15.2	79	0.00
56	P	4-Nitrophenol	0.290	0.237	18.3	80	-0.01
57		2,4-Dinitrotoluene	0.347	0.340	2.0	83	0.00
58		Fluorene	1.427	1.261	11.6	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.323	2.1	85	-0.01
60		Diethylphthalate	1.463	1.280	12.5	79	0.00
61		4-Chlorophenyl-phenylether	0.713	0.604	15.3	79	0.00
62		4-Nitroaniline	0.311	0.294	5.5	83	0.00
63		Azobenzene	1.325	1.161	12.4	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.077	0.065	15.6	84	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.526	15.8	80	0.00
67		4-Bromophenyl-phenylether	0.222	0.182	18.0	78	0.00
68		Hexachlorobenzene	0.253	0.207	18.2	79	0.00
69		Atrazine	0.211	0.196	7.1	88	0.00
70	C	Pentachlorophenol	0.154	0.130	15.6	80	0.00
71		Phenanthrene	1.164	0.952	18.2	79	0.00
72		Anthracene	1.154	0.964	16.5	81	0.00
73		Carbazole	1.092	0.913	16.4	79	0.00
74		Di-n-butylphthalate	1.222	1.073	12.2	79	0.00
75	C	Fluoranthene	1.358	1.125	17.2	78	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.01
77		Benzidine	0.508	0.611	-20.3	115	0.00
78		Pyrene	1.353	1.113	17.7	76	0.00
79	S	Terphenyl-d14	0.984	0.831	15.5	80	0.00
80		Butylbenzylphthalate	0.432	0.411	4.9	81	0.00
81		Benzo(a)anthracene	1.374	1.136	17.3	78	0.01
82		3,3'-Dichlorobenzidine	0.443	0.412	7.0	87	0.00
83		Chrysene	1.302	1.059	18.7	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.718	0.664	7.5	78	0.01
85	c	Di-n-octyl phthalate	1.191	1.002	15.9	76	0.02
86	I	Perylene-d12	1.000	1.000	0.0	96	0.02
87		Indeno(1,2,3-cd)pyrene	1.477	1.229	16.8	75	0.01
88		Benzo(b)fluoranthene	1.242	1.058	14.8	78	0.00
89		Benzo(k)fluoranthene	1.268	1.090	14.0	79	0.00
90	C	Benzo(a)pyrene	1.141	0.999	12.4	79	0.00
91		Dibenzo(a,h)anthracene	1.202	1.018	15.3	77	0.02
92		Benzo(g,h,i)perylene	1.156	0.979	15.3	77	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	96	-0.05
2		1,4-Dioxane	40.000	33.303	16.7	79	-0.02
3		Pyridine	40.000	32.670	18.3	77	-0.03
4		n-Nitrosodimethylamine	40.000	35.142	12.1	84	-0.03
5	S	2-Fluorophenol	80.000	68.429	14.5	80	-0.05
6		Aniline	40.000	35.839	10.4	84	-0.05
7	S	Phenol-d6	80.000	68.090	14.9	79	-0.05
8		2-Chlorophenol	40.000	34.596	13.5	80	-0.05
9		Benzaldehyde	40.000	46.027	-15.1	110	-0.05
10	C	Phenol	40.000	33.813	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	40.000	33.880	15.3	80	-0.05
12		1,3-Dichlorobenzene	40.000	34.538	13.7	81	-0.05
13	C	1,4-Dichlorobenzene	40.000	35.099	12.3	83	-0.05
14		1,2-Dichlorobenzene	40.000	35.092	12.3	83	-0.04
15		Benzyl Alcohol	40.000	35.185	12.0	83	-0.05
16		2,2'-oxybis(1-Chloropropane	40.000	33.526	16.2	78	-0.03
17		2-Methylphenol	40.000	34.998	12.5	80	-0.04
18		Hexachloroethane	40.000	34.560	13.6	80	-0.05
19	P	n-Nitroso-di-n-propylamine	40.000	36.340	9.1	82	-0.05
20		3+4-Methylphenols	40.000	34.245	14.4	80	-0.05
21	I	Naphthalene-d8	20.000	20.000	0.0	97	-0.04
22		Acetophenone	40.000	35.756	10.6	85	-0.05
23	S	Nitrobenzene-d5	80.000	68.652	14.2	79	-0.04
24		Nitrobenzene	40.000	34.825	12.9	80	-0.04
25		Isophorone	40.000	35.069	12.3	81	-0.05
26	C	2-Nitrophenol	40.000	36.106	9.7	83	-0.04
27		2,4-Dimethylphenol	40.000	37.573	6.1	87	-0.05
28		bis(2-Chloroethoxy)methane	40.000	34.454	13.9	81	-0.03
29	C	2,4-Dichlorophenol	40.000	34.599	13.5	78	-0.03
30		1,2,4-Trichlorobenzene	40.000	35.441	11.4	84	-0.04
31		Naphthalene	40.000	33.888	15.3	80	-0.04
32		Benzoic acid	40.000	37.646	5.9	87	-0.09
33		4-Chloroaniline	40.000	38.877	2.8	90	-0.03
34	C	Hexachlorobutadiene	40.000	33.876	15.3	80	-0.04
35		Caprolactam	40.000	34.833	12.9	80	-0.07
36	C	4-Chloro-3-methylphenol	40.000	34.690	13.3	78	-0.04
37		2-Methylnaphthalene	40.000	30.988	22.5	72	-0.03
38		1-Methylnaphthalene	40.000	32.934	17.7	77	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	34.481	13.8	81	-0.03
41	P	Hexachlorocyclopentadiene	40.000	47.197	-18.0	109	-0.03
42	S	2,4,6-Tribromophenol	80.000	72.809	9.0	80	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.282	9.3	80	-0.02
44		2,4,5-Trichlorophenol	40.000	35.326	11.7	78	-0.03
45	S	2-Fluorobiphenyl	80.000	67.037	16.2	79	-0.02
46		1,1'-Biphenyl	40.000	35.073	12.3	83	-0.02
47		2-Chloronaphthalene	40.000	33.277	16.8	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	33.821	15.4	81	-0.02
49		Acenaphthylene	40.000	38.923	2.7	90	0.00
50		Dimethylphthalate	40.000	35.112	12.2	81	-0.01
51		2,6-Dinitrotoluene	40.000	37.528	6.2	91	-0.01
52	C	Acenaphthene	40.000	32.961	17.6	76	0.00
53		3-Nitroaniline	40.000	36.037	9.9	86	-0.01
54	P	2,4-Dinitrophenol	40.000	36.040	9.9	83	0.00
55		Dibenzofuran	40.000	33.938	15.2	79	0.00
56	P	4-Nitrophenol	40.000	32.703	18.2	80	-0.01
57		2,4-Dinitrotoluene	40.000	35.013	12.5	83	0.00
58		Fluorene	40.000	35.342	11.6	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.197	2.0	85	-0.01
60		Diethylphthalate	40.000	35.015	12.5	79	0.00
61		4-Chlorophenyl-phenylether	40.000	33.928	15.2	79	0.00
62		4-Nitroaniline	40.000	37.891	5.3	83	0.00
63		Azobenzene	40.000	35.051	12.4	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.409	11.5	84	0.00
66	c	n-Nitrosodiphenylamine	40.000	33.661	15.8	80	0.00
67		4-Bromophenyl-phenylether	40.000	32.800	18.0	78	0.00
68		Hexachlorobenzene	40.000	32.804	18.0	79	0.00
69		Atrazine	40.000	37.108	7.2	88	0.00
70	C	Pentachlorophenol	40.000	33.716	15.7	80	0.00
71		Phenanthrene	40.000	32.726	18.2	79	0.00
72		Anthracene	40.000	33.409	16.5	81	0.00
73		Carbazole	40.000	33.421	16.4	79	0.00
74		Di-n-butylphthalate	40.000	35.126	12.2	79	0.00
75	C	Fluoranthene	40.000	33.126	17.2	78	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.01
77		Benzidine	40.000	48.151	-20.4	115	0.00
78		Pyrene	40.000	32.912	17.7	76	0.00
79	S	Terphenyl-d14	80.000	67.515	15.6	80	0.00
80		Butylbenzylphthalate	40.000	33.630	15.9	81	0.00
81		Benzo(a)anthracene	40.000	33.052	17.4	78	0.01
82		3,3'-Dichlorobenzidine	40.000	37.253	6.9	87	0.00
83		Chrysene	40.000	32.526	18.7	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	33.750	15.6	78	0.01
85	c	Di-n-octyl phthalate	40.000	33.668	15.8	76	0.02
86	I	Perylene-d12	20.000	20.000	0.0	96	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	33.295	16.8	75	0.01
88		Benzo(b)fluoranthene	40.000	34.098	14.8	78	0.00
89		Benzo(k)fluoranthene	40.000	34.381	14.0	79	0.00
90	C	Benzo(a)pyrene	40.000	35.024	12.4	79	0.00
91		Dibenzo(a,h)anthracene	40.000	33.879	15.3	77	0.02
92		Benzo(g,h,i)perylene	40.000	33.862	15.3	77	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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
Pyridine	1.462	1.525		4.3	
2-Fluorophenol	1.264	1.303		3.1	
Phenol-d6	1.396	1.466		5.0	
1,4-Dichlorobenzene	1.513	1.586		4.8	20.0
2-Methylphenol	0.957	1.028		7.4	
3+4-Methylphenols	1.132	1.216		7.4	
Nitrobenzene-d5	0.365	0.371		1.6	
Hexachloroethane	0.541	0.558		3.1	
Nitrobenzene	0.386	0.408		5.7	
Hexachlorobutadiene	0.267	0.269		0.7	20.0
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	
2,4-Dinitrotoluene	0.350	0.407		16.3	
2,4,6-Tribromophenol	0.255	0.287		12.5	
Hexachlorobenzene	0.307	0.322		4.9	
Pentachlorophenol	0.146	0.170		16.4	20.0
Terphenyl-d14	1.144	1.573		37.5	

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

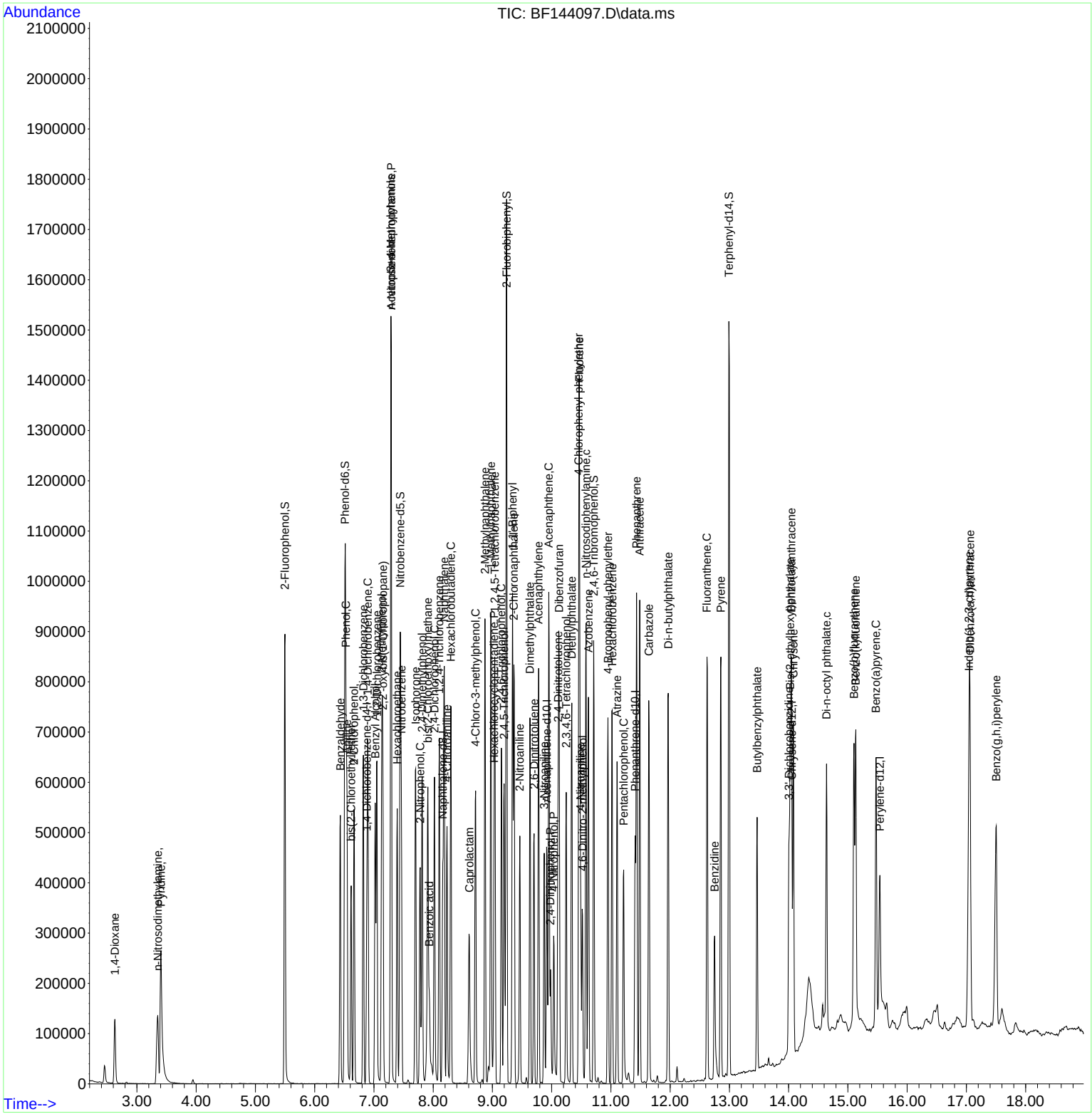
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	154404	44.519	ng	96
46) 1,1'-Biphenyl	9.339	154	411658	38.873	ng	100
47) 2-Chloronaphthalene	9.363	162	360439	40.627	ng	97
48) 2-Nitroaniline	9.463	65	114922	43.622	ng	98
49) Acenaphthylene	9.780	152	498378	41.661	ng	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

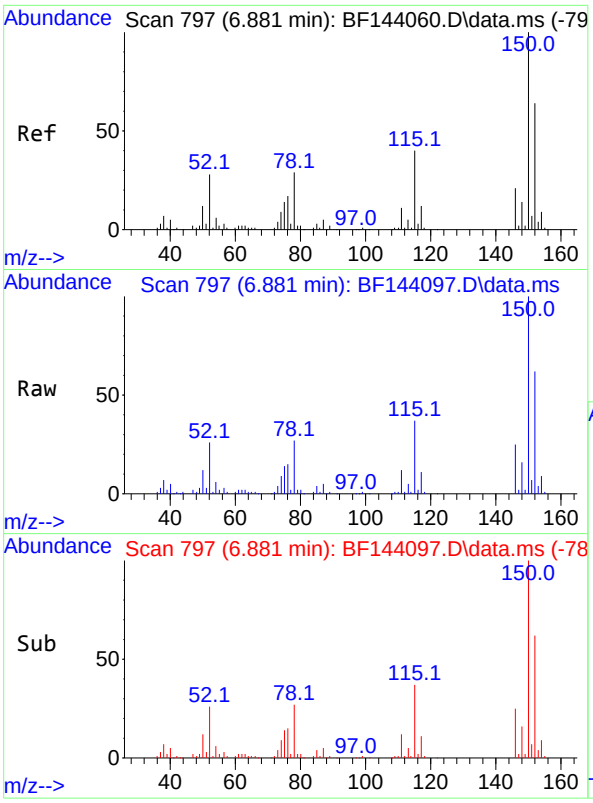
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



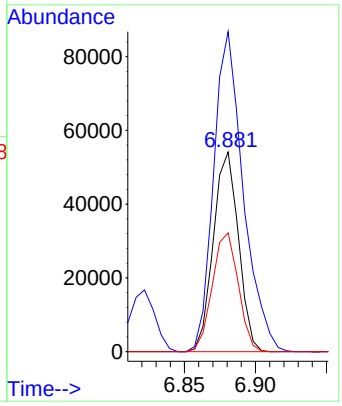


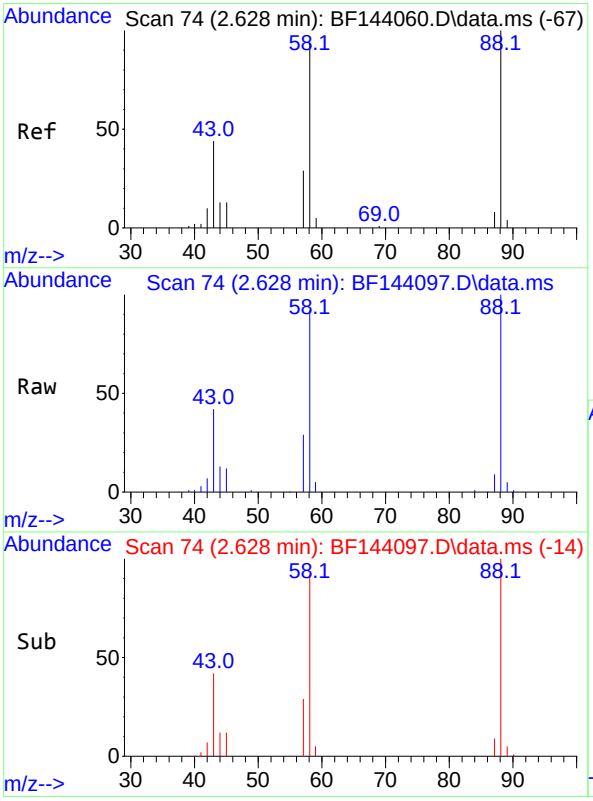
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

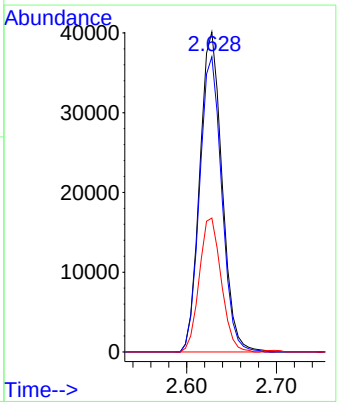


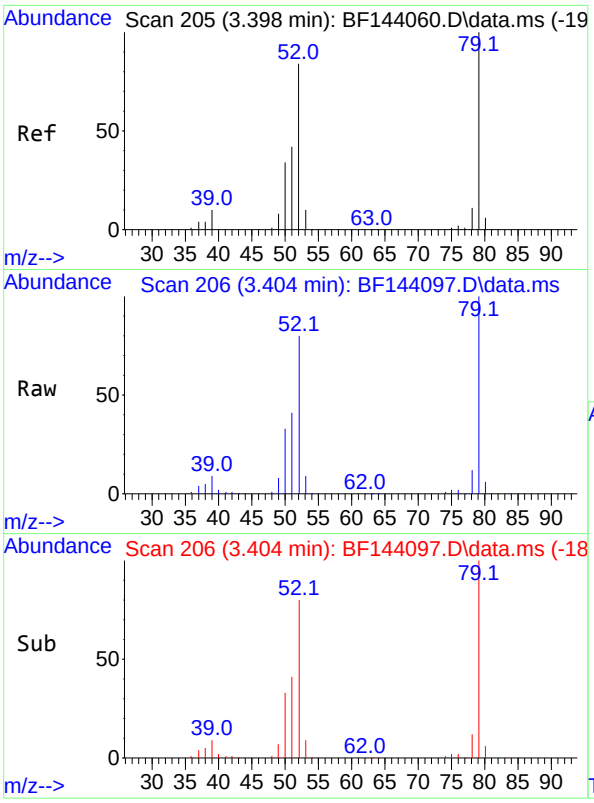


#2
1,4-Dioxane
Concen: 38.059 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



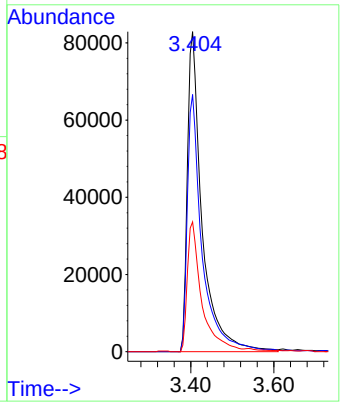


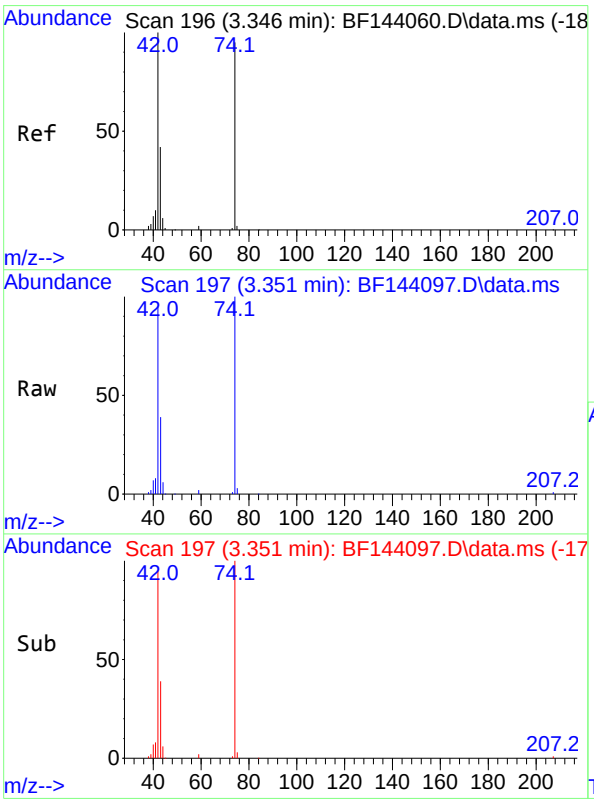
#3
Pyridine
Concen: 41.710 ng
RT: 3.404 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

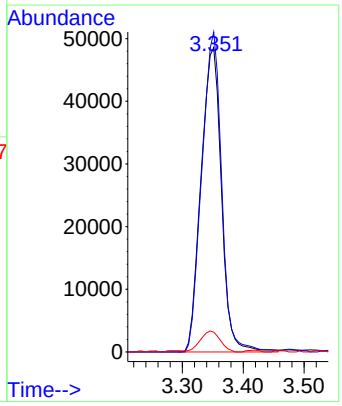


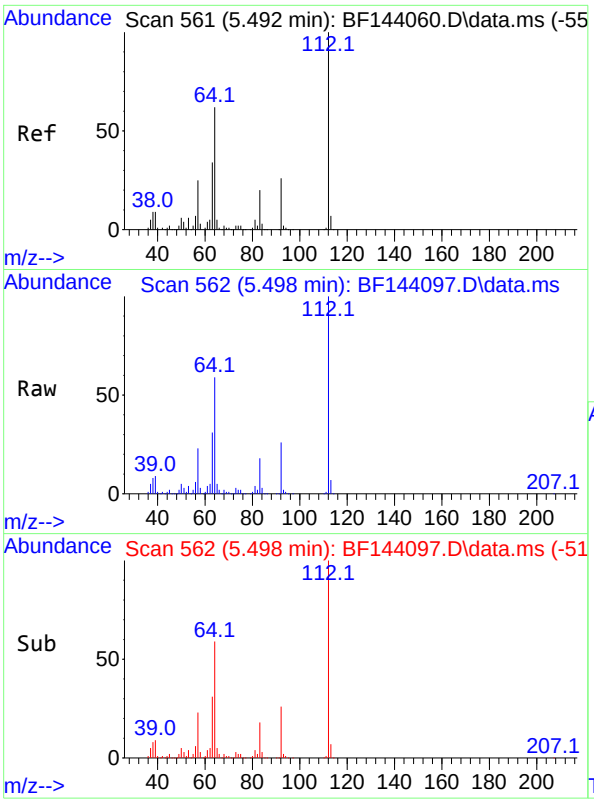


#4
n-Nitrosodimethylamine
Concen: 37.743 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



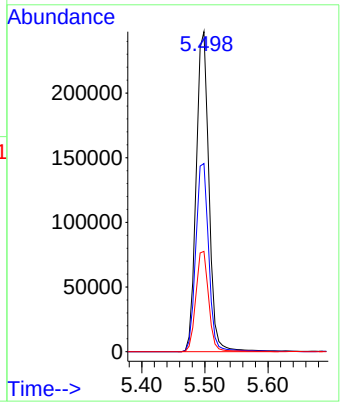


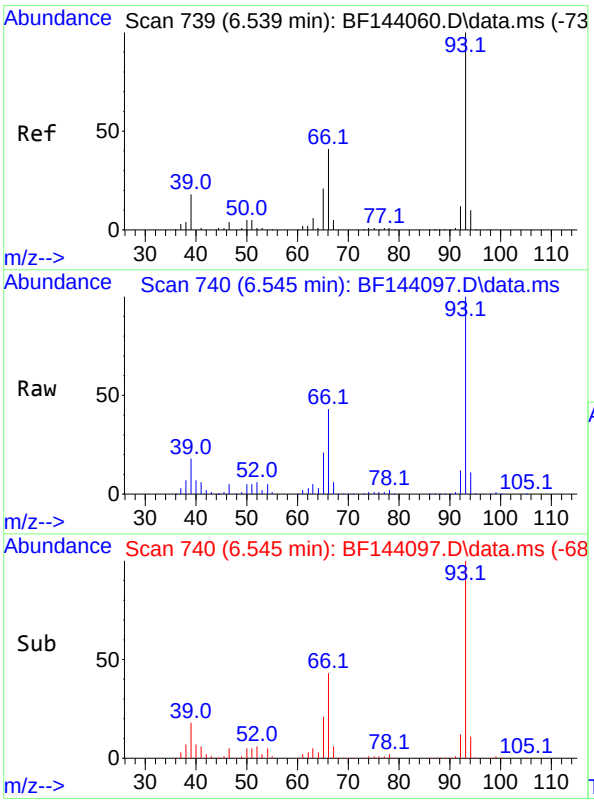
#5
2-Fluorophenol
Concen: 82.434 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

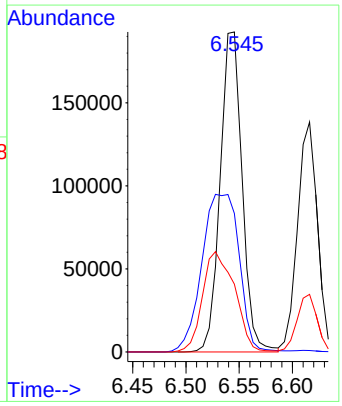


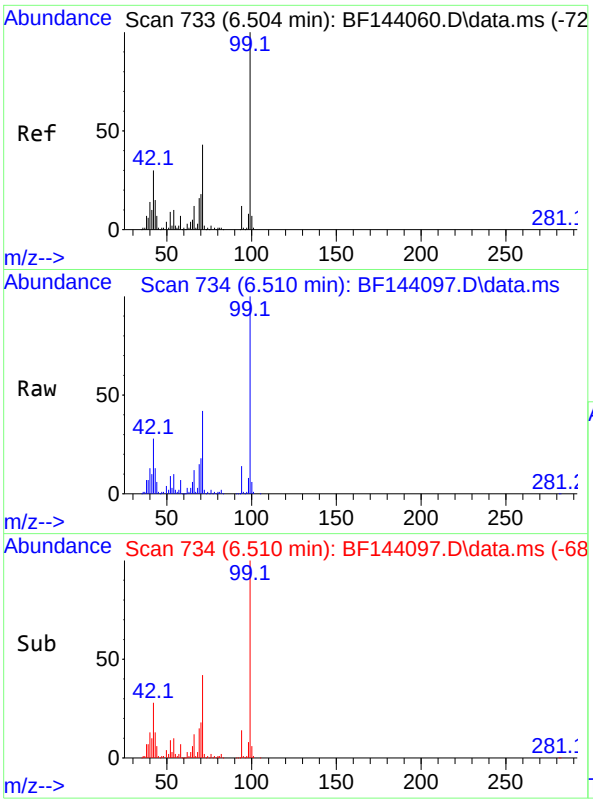


#6
Aniline
Concen: 41.492 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



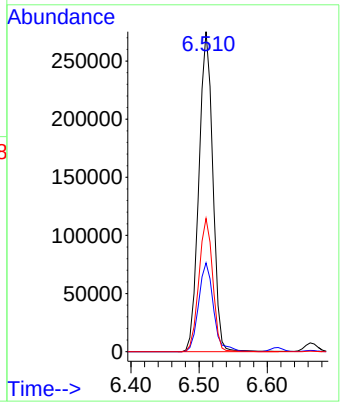


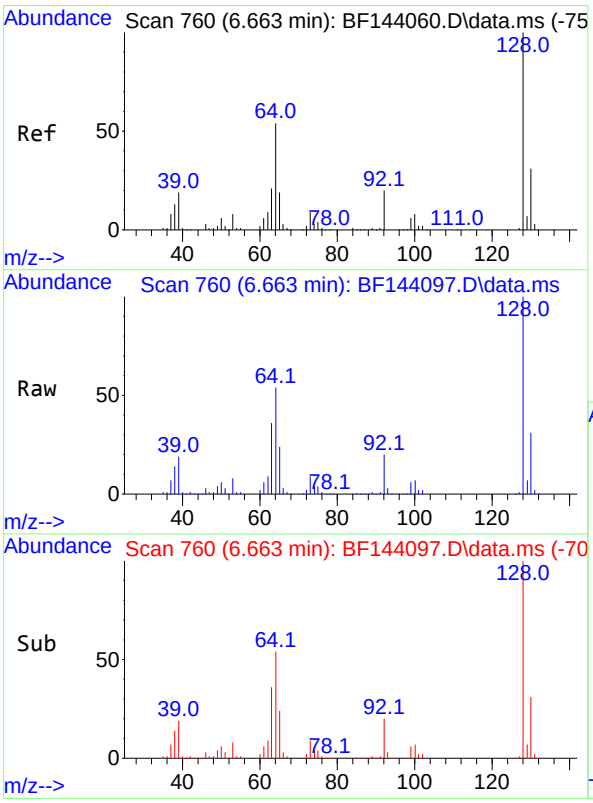
#7
Phenol-d6
Concen: 84.022 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

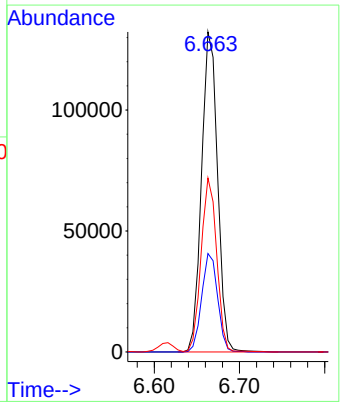


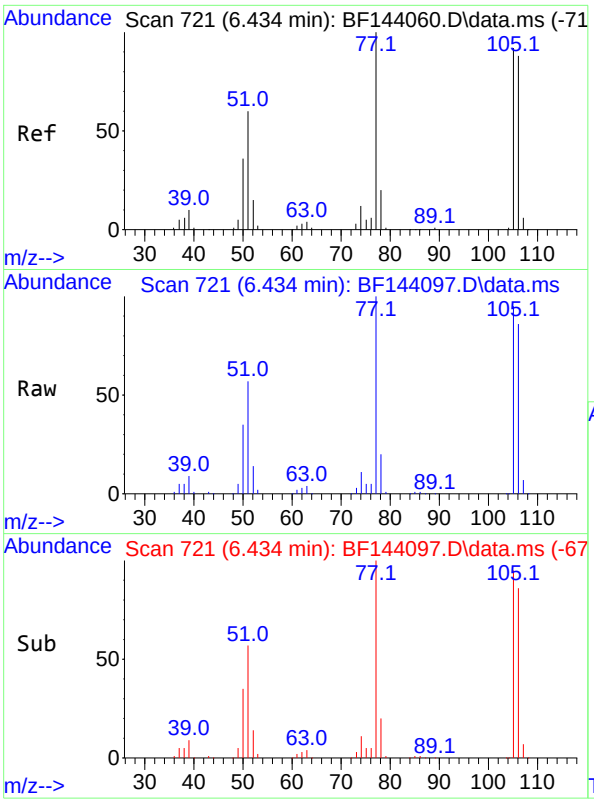


#8
2-Chlorophenol
Concen: 41.762 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



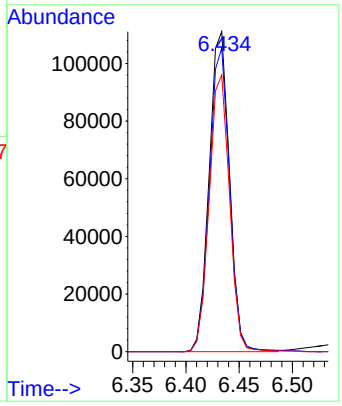


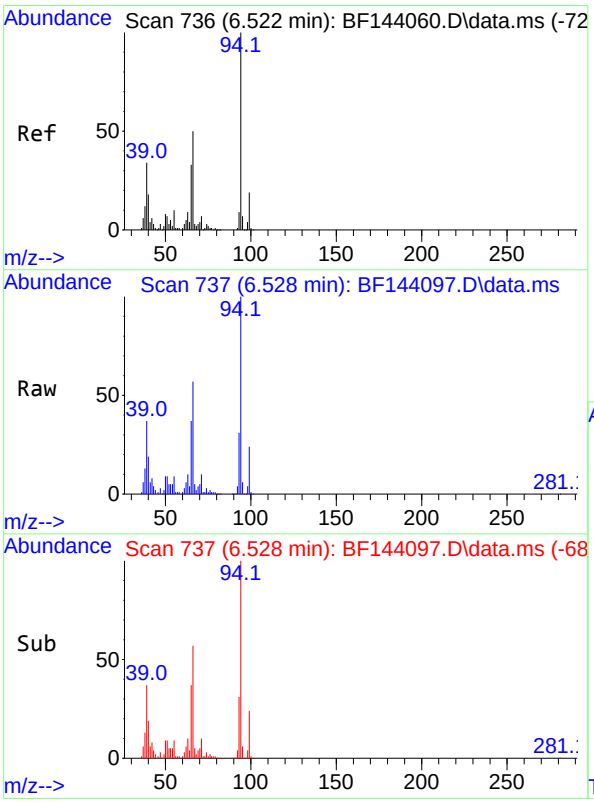
#9
Benzaldehyde
Concen: 40.774 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

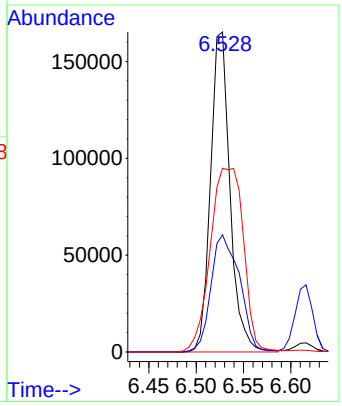


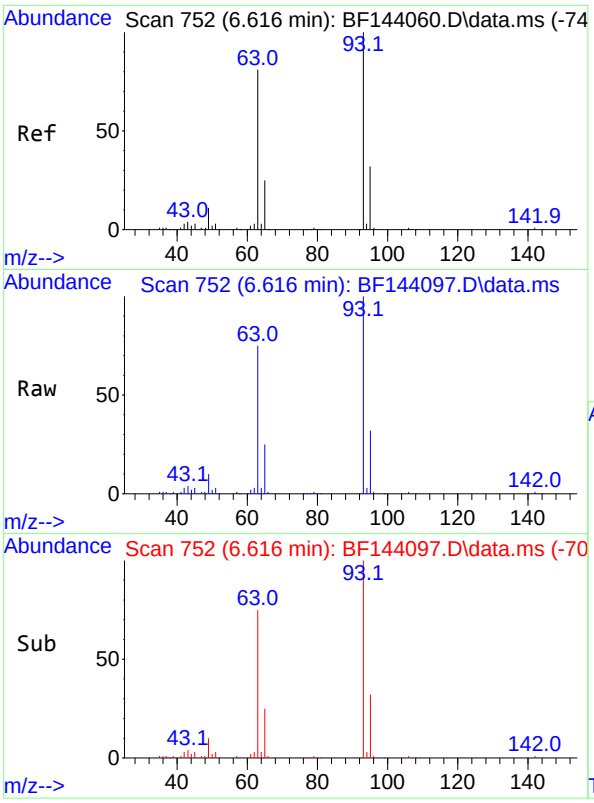


#10
Phenol
Concen: 41.214 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



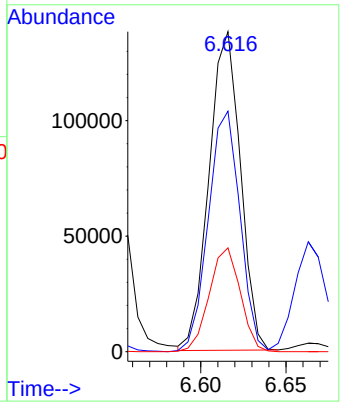


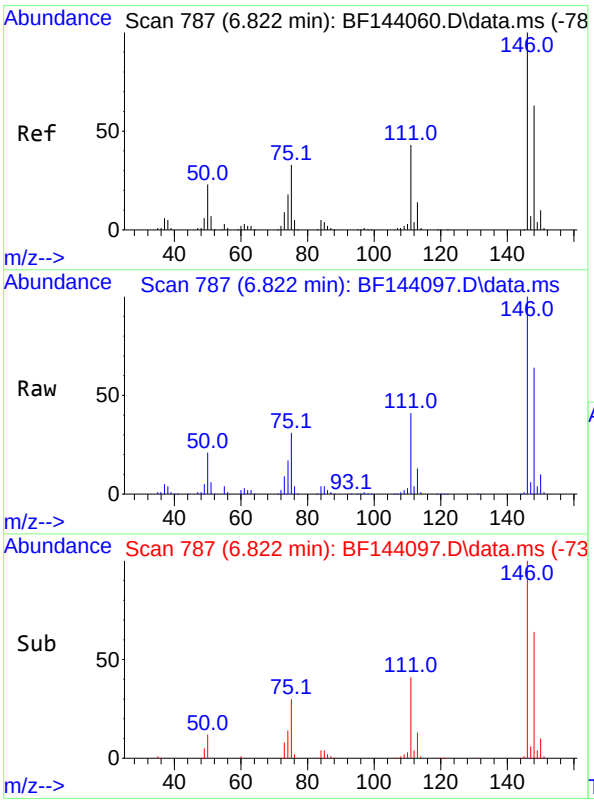
#11
bis(2-Chloroethyl)ether
Concen: 42.699 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

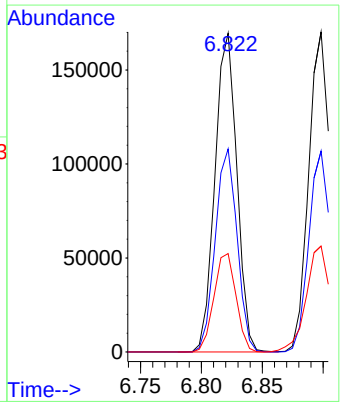


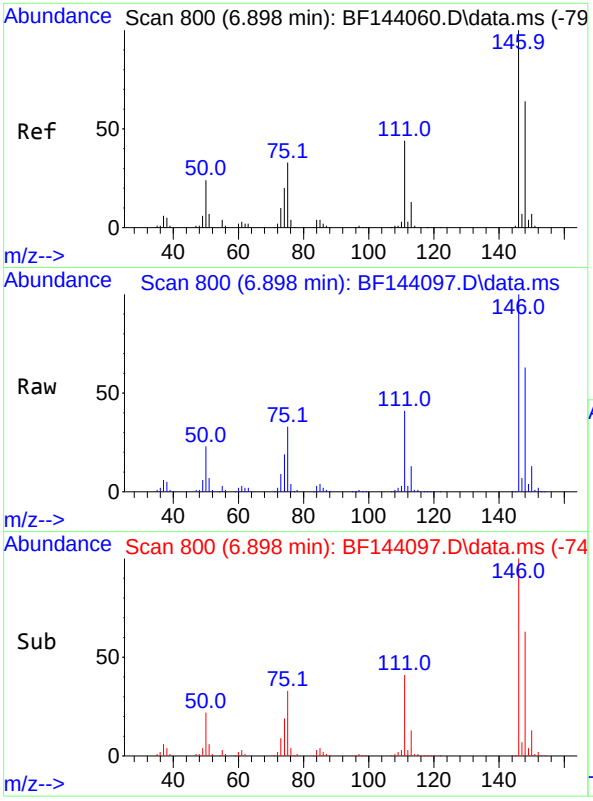


#12
1,3-Dichlorobenzene
Concen: 41.627 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



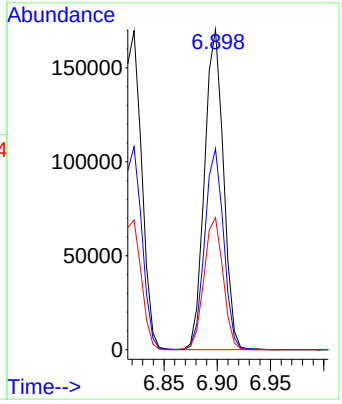


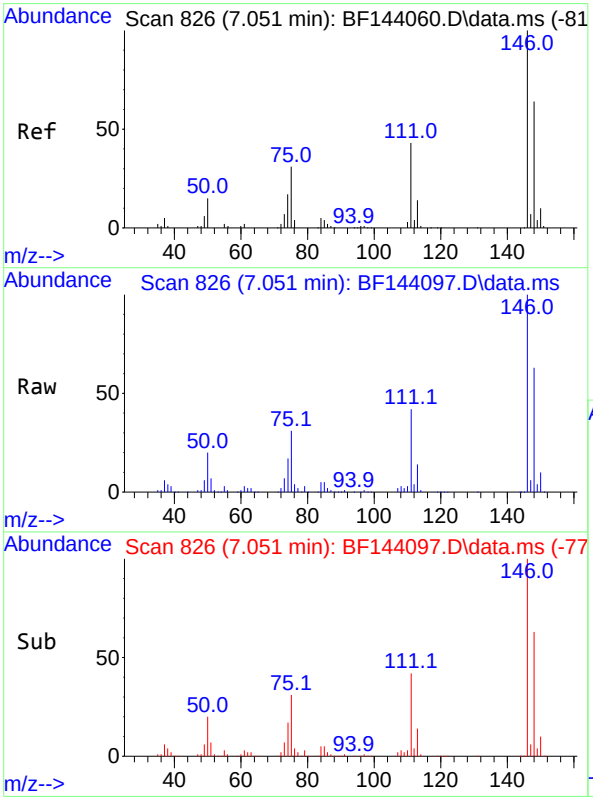
#13
1,4-Dichlorobenzene
Concen: 41.909 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

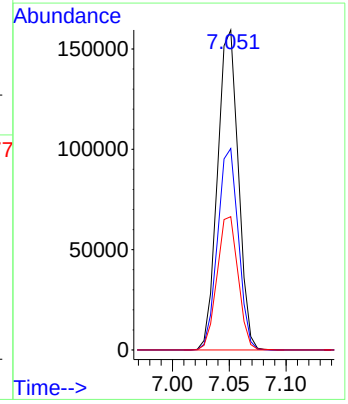


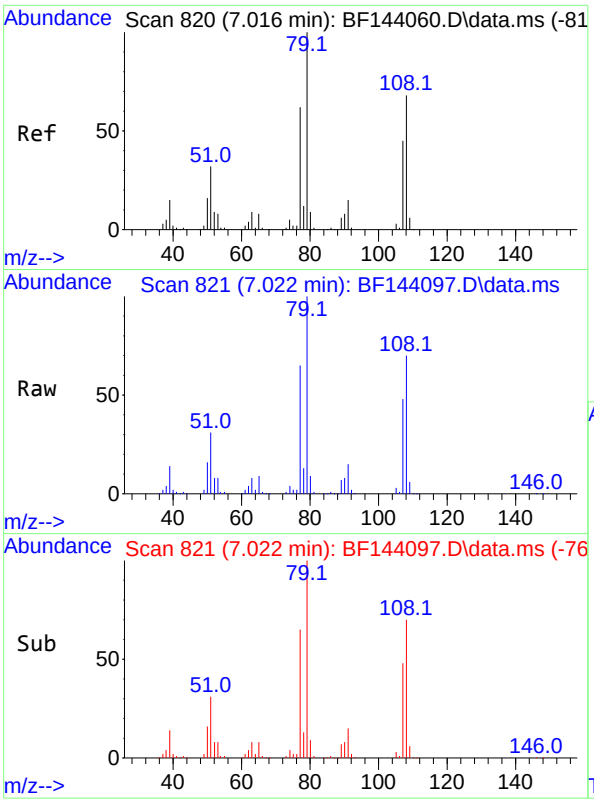


#14
1,2-Dichlorobenzene
Concen: 41.744 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



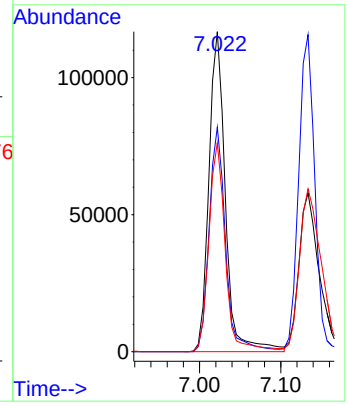


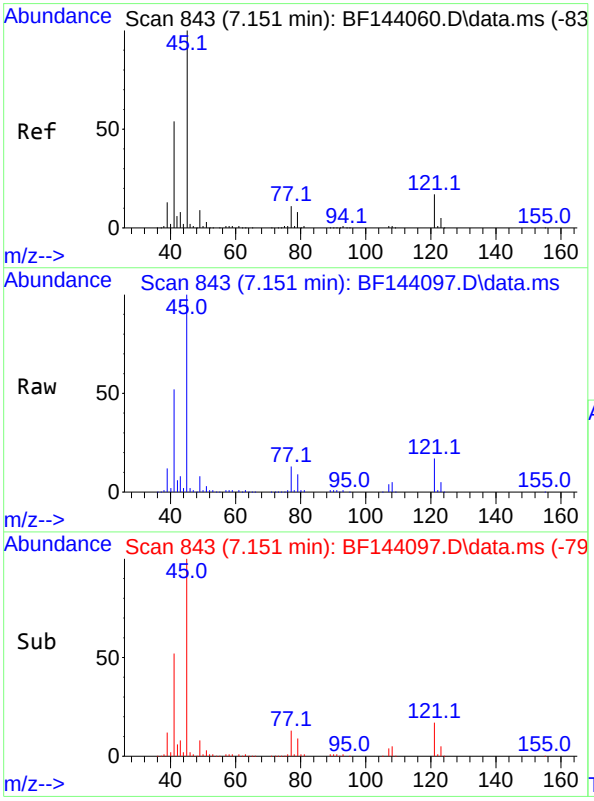
#15
Benzyl Alcohol
Concen: 43.521 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

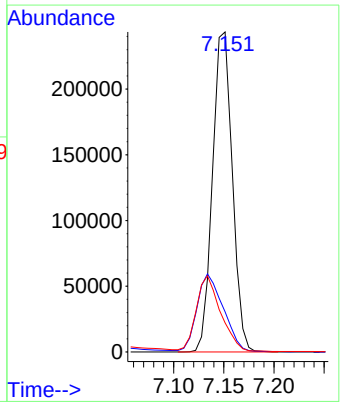


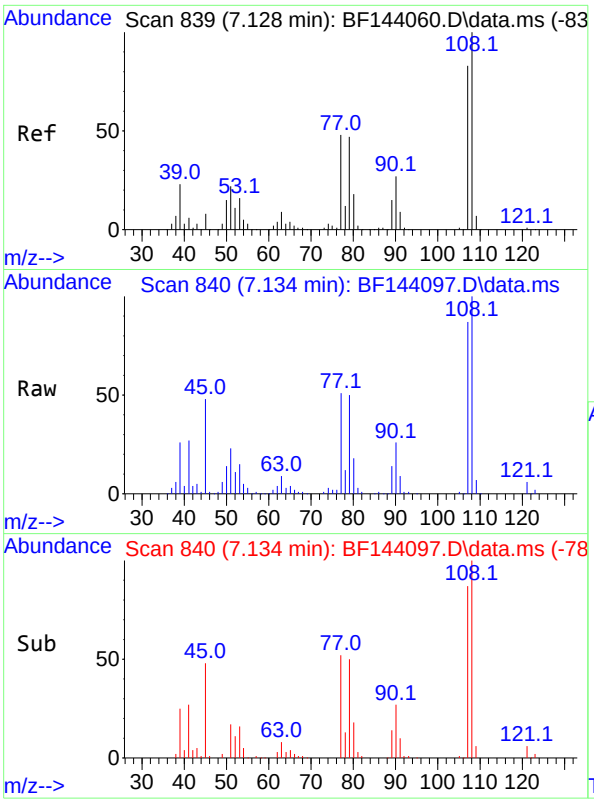


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.966 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



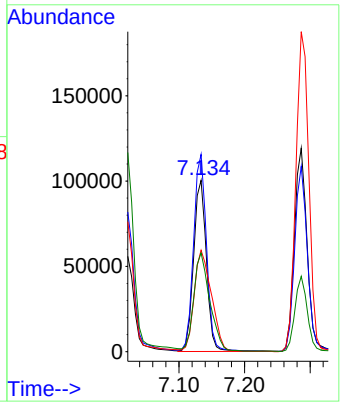


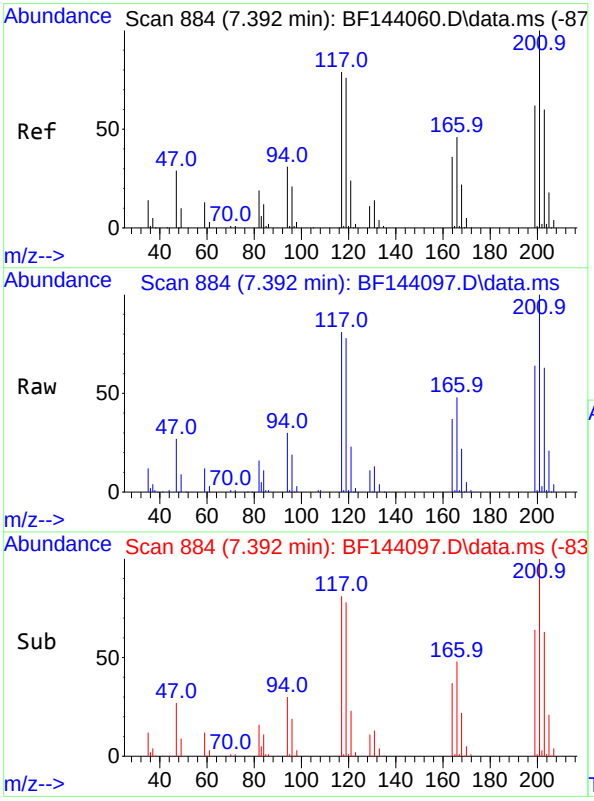
#17
2-Methylphenol
Concen: 42.952 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

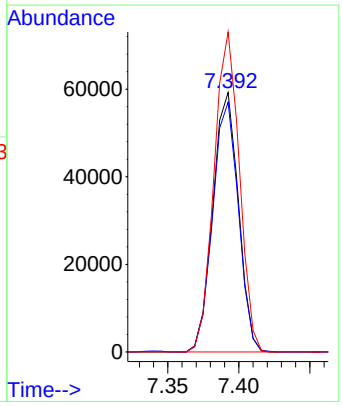


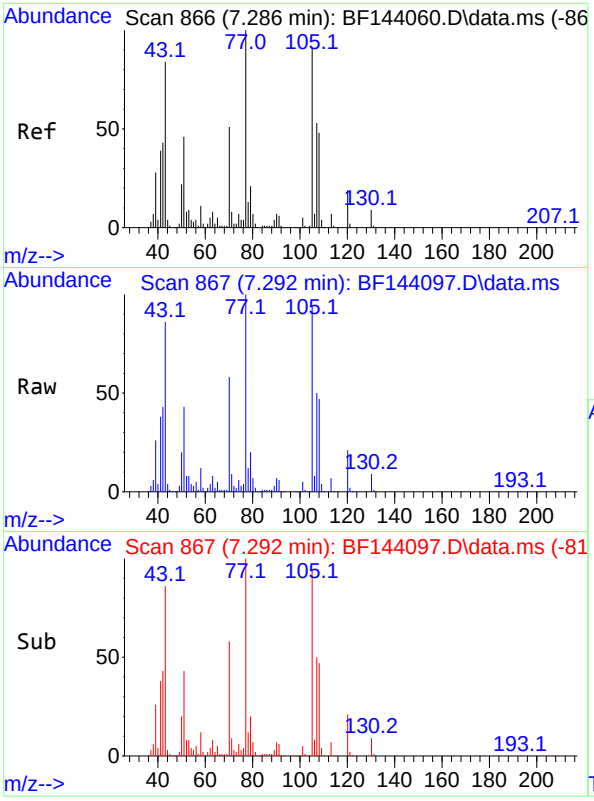


#18
Hexachloroethane
Concen: 41.263 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



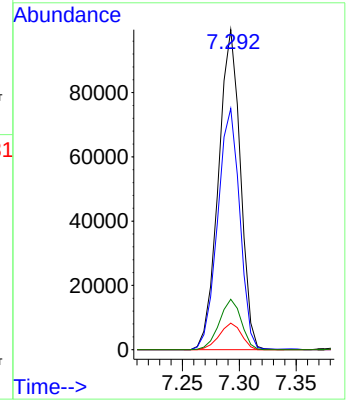


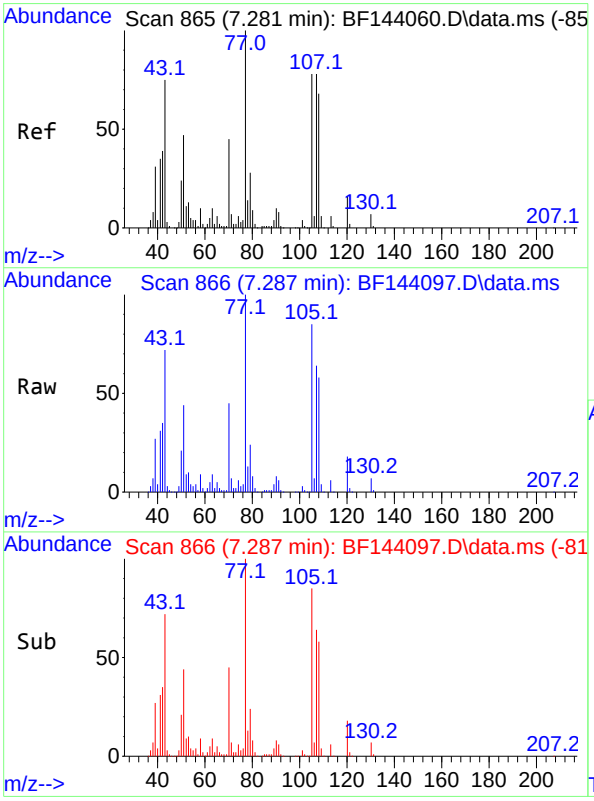
#19
n-Nitroso-di-n-propylamine
Concen: 44.499 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

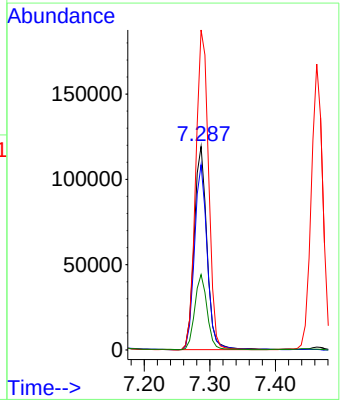


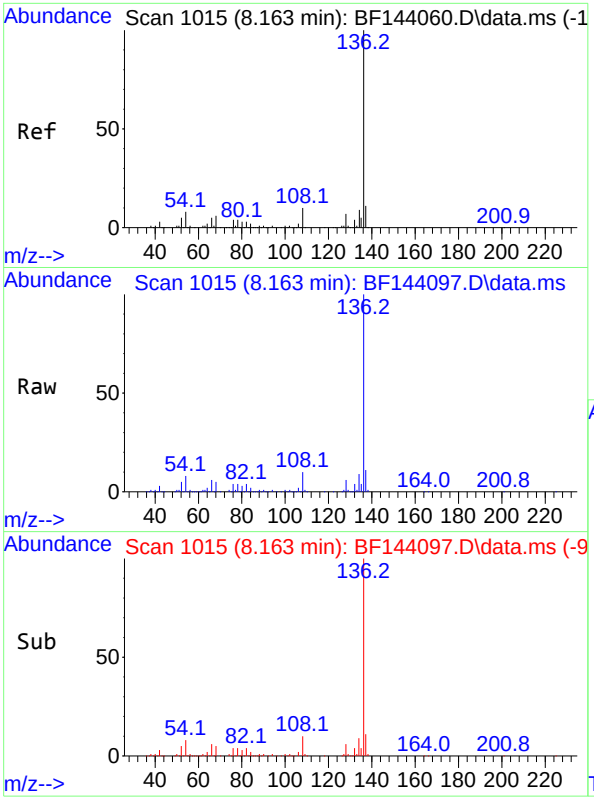


#20
3+4-Methylphenols
Concen: 42.964 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



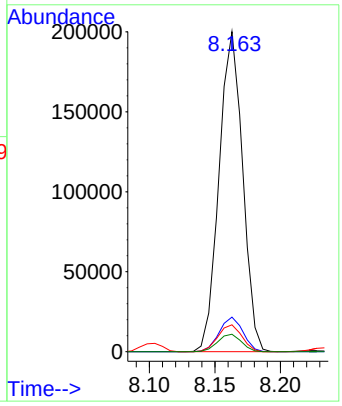


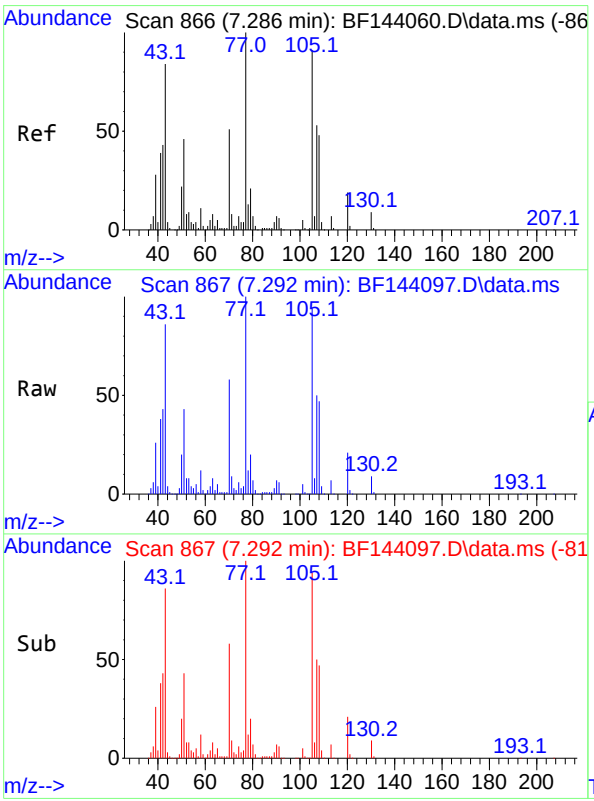
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

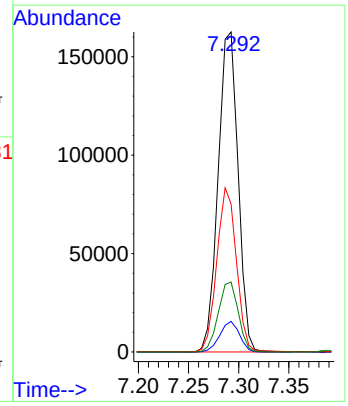


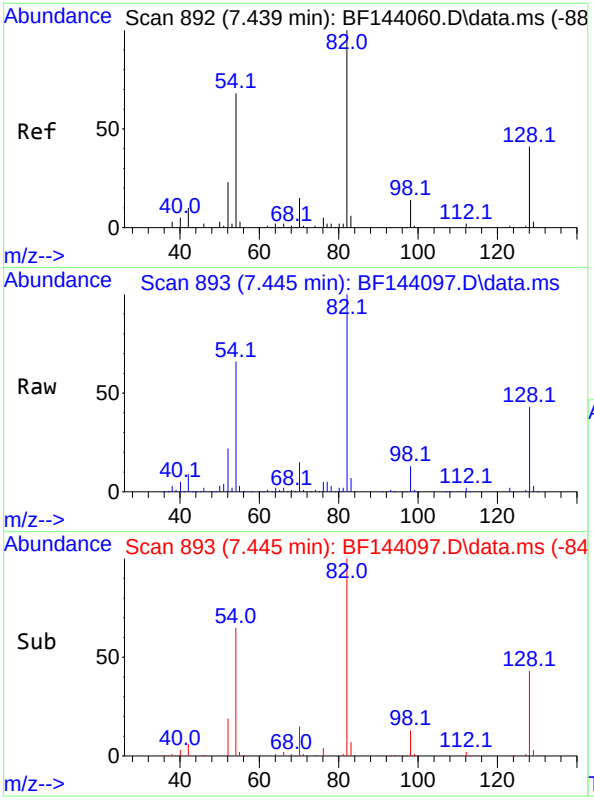


#22
Acetophenone
Concen: 41.609 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



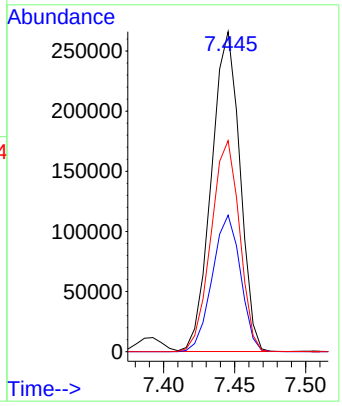


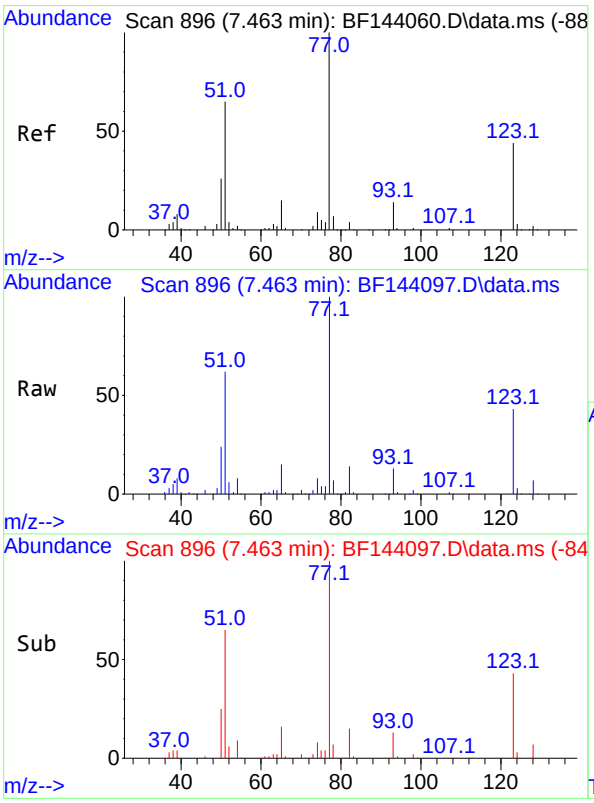
#23
Nitrobenzene-d5
Concen: 81.285 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

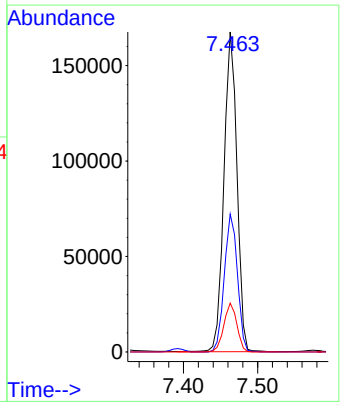


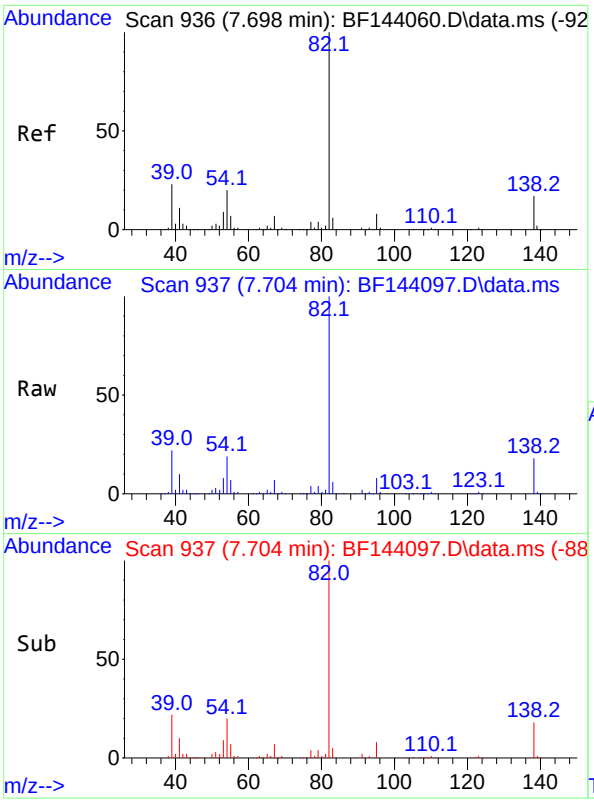


#24
Nitrobenzene
Concen: 42.287 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



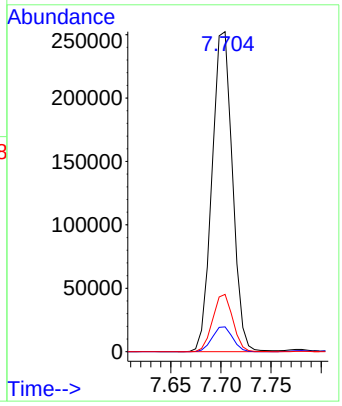


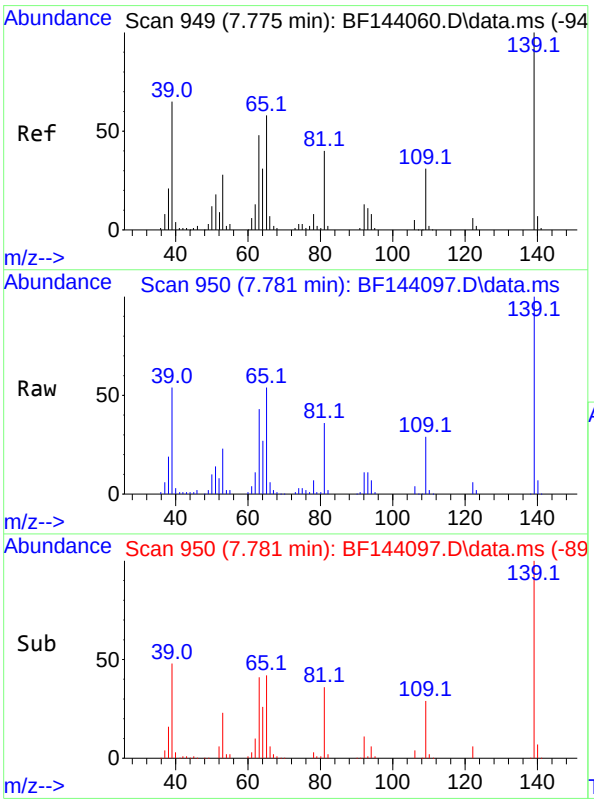
#25
Isophorone
Concen: 44.766 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

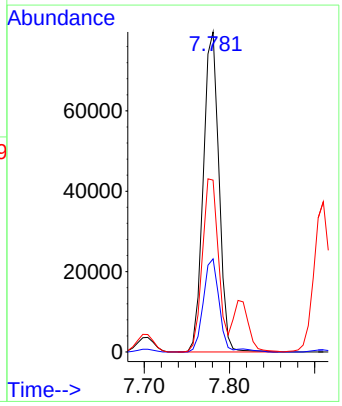


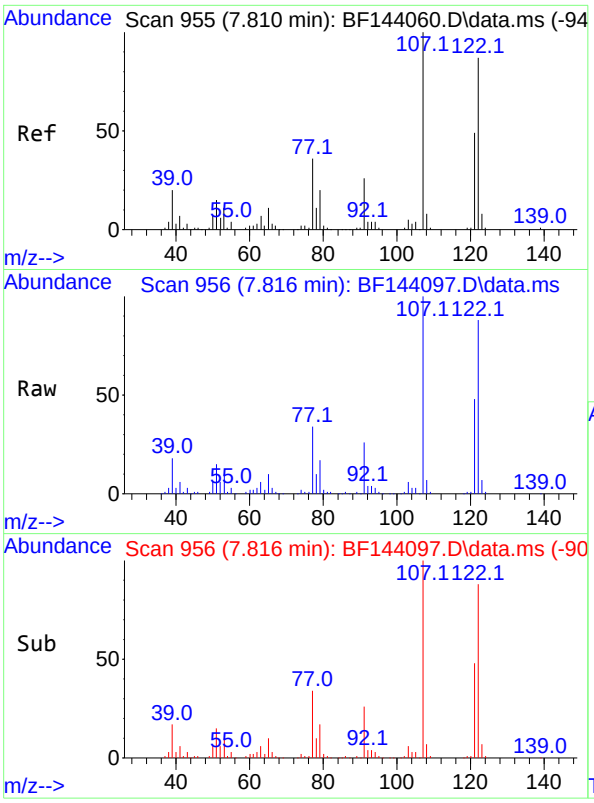


#26
2-Nitrophenol
Concen: 44.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



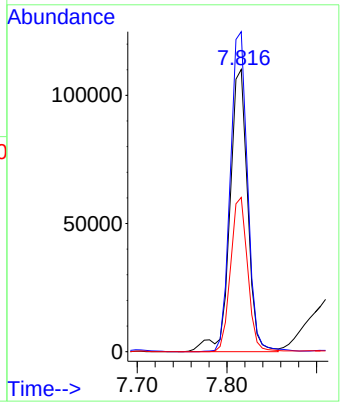


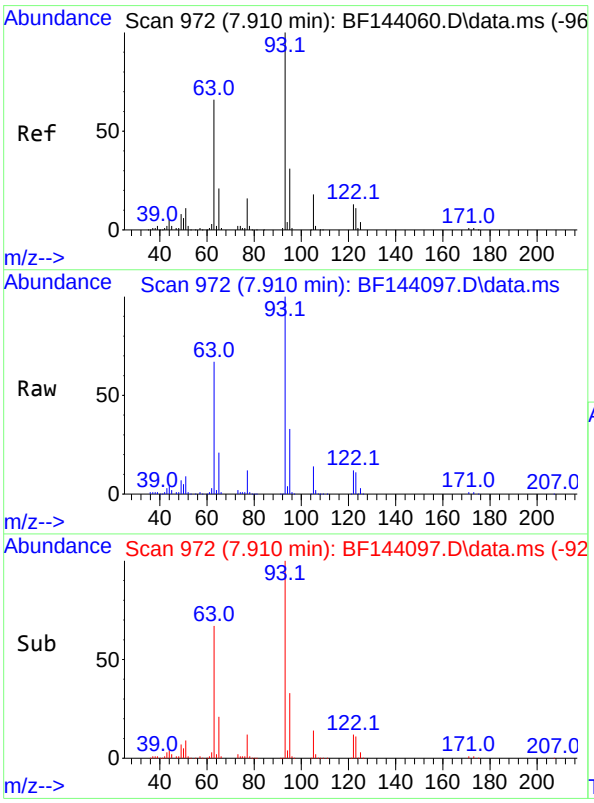
#27
2,4-Dimethylphenol
Concen: 44.467 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

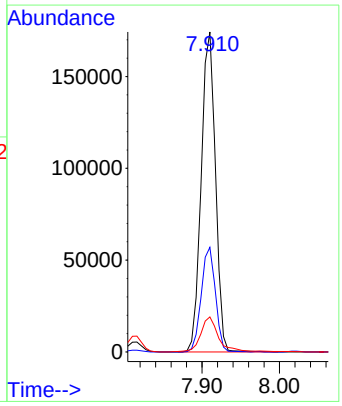


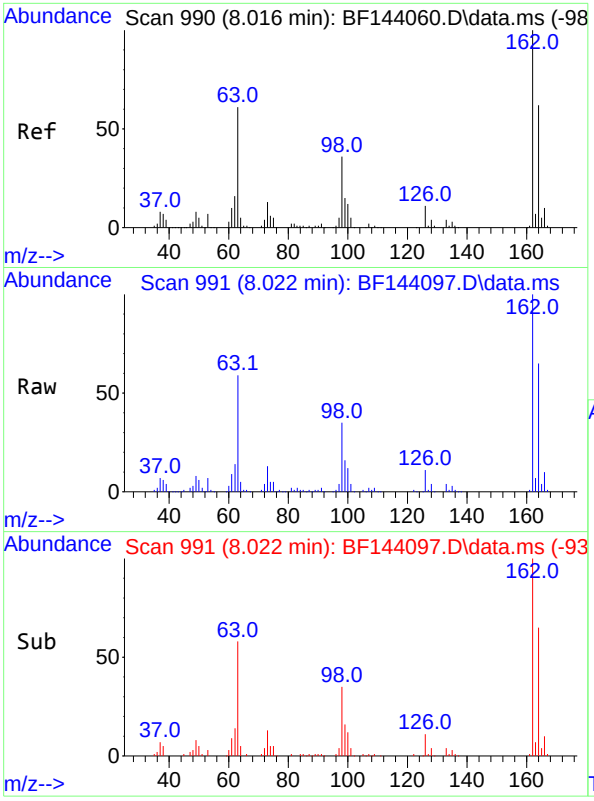


#28
bis(2-Chloroethoxy)methane
Concen: 44.670 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



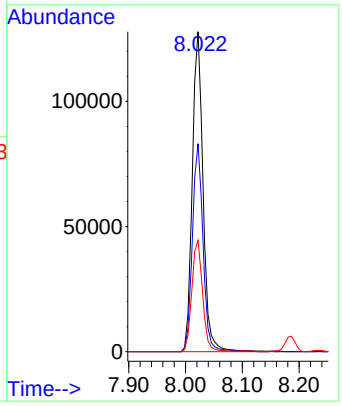


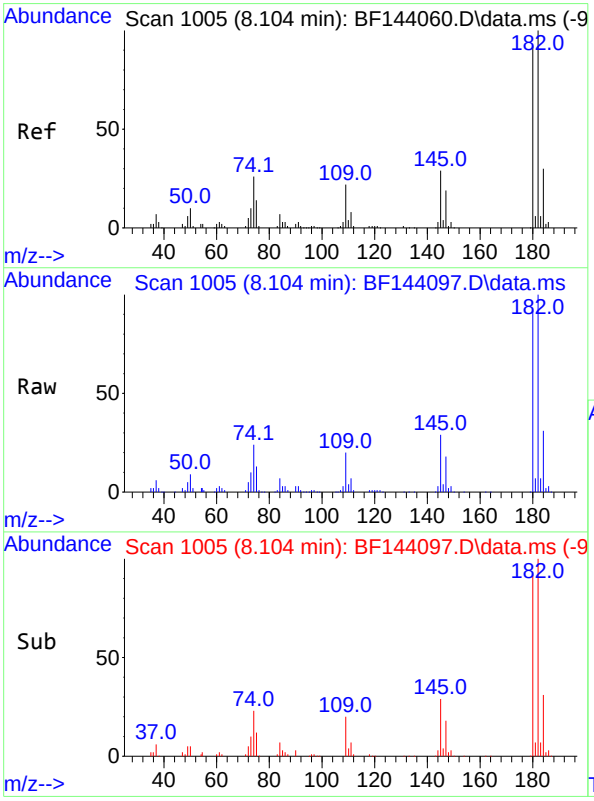
#29
2,4-Dichlorophenol
Concen: 42.625 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

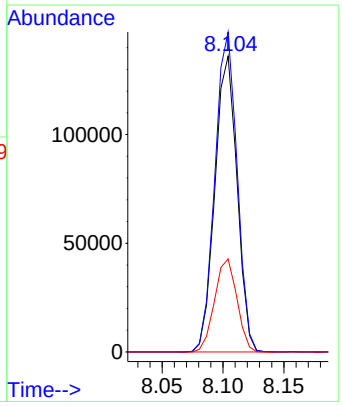


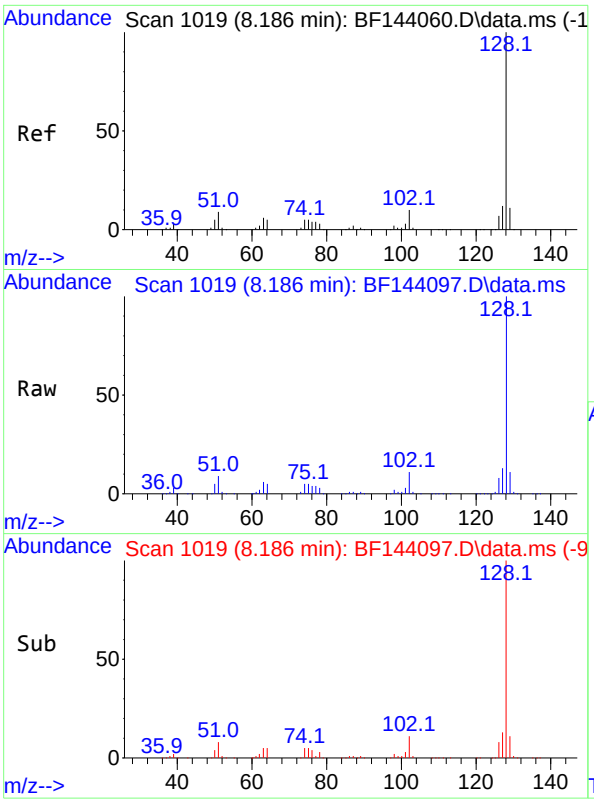


#30
1,2,4-Trichlorobenzene
Concen: 42.262 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



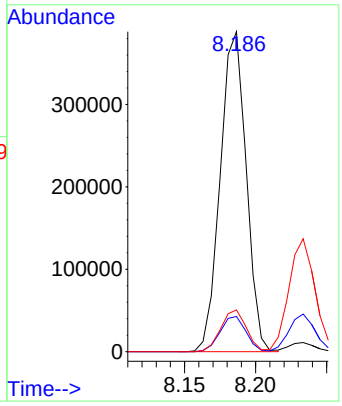


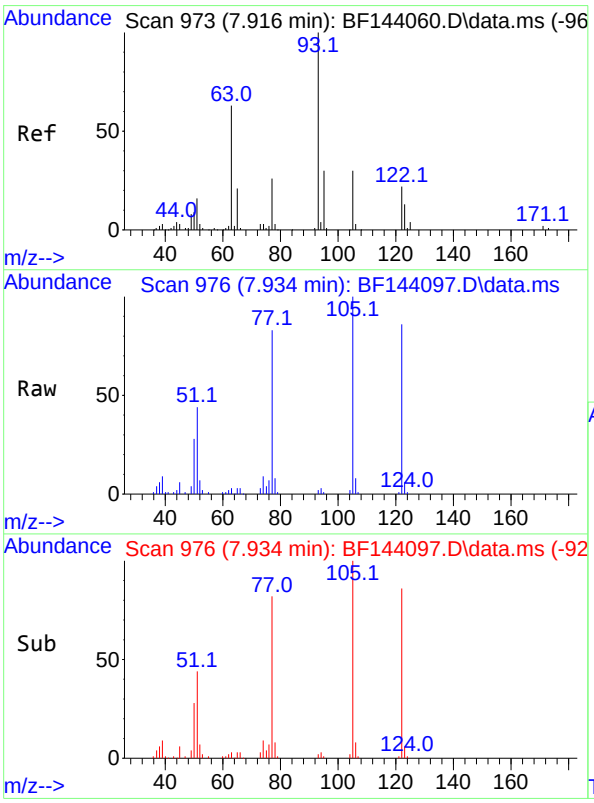
#31
Naphthalene
Concen: 41.811 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

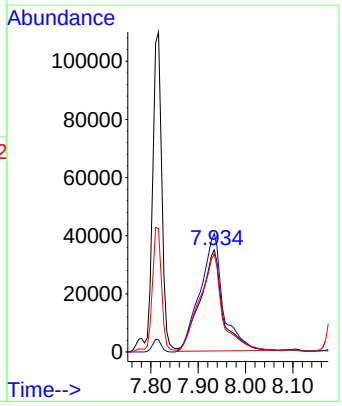


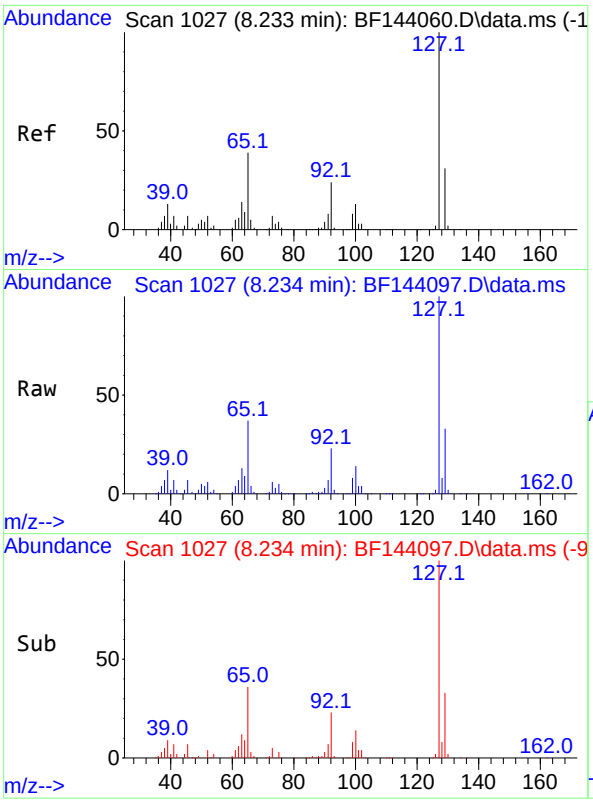


#32
Benzoic acid
Concen: 53.198 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.018 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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#



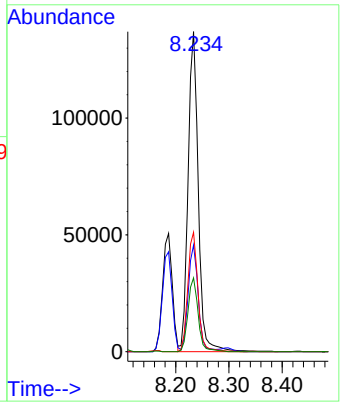


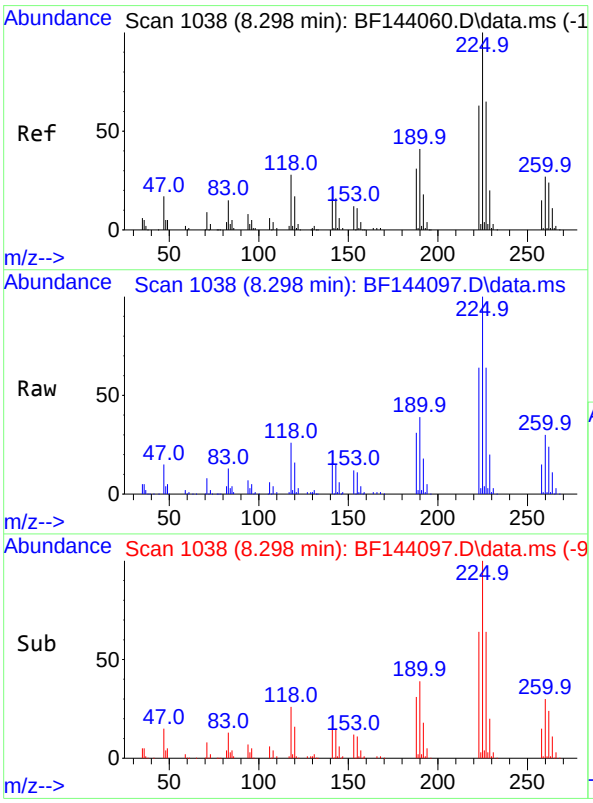
#33
4-Chloroaniline
Concen: 44.308 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

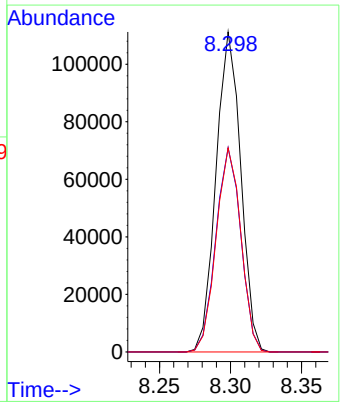


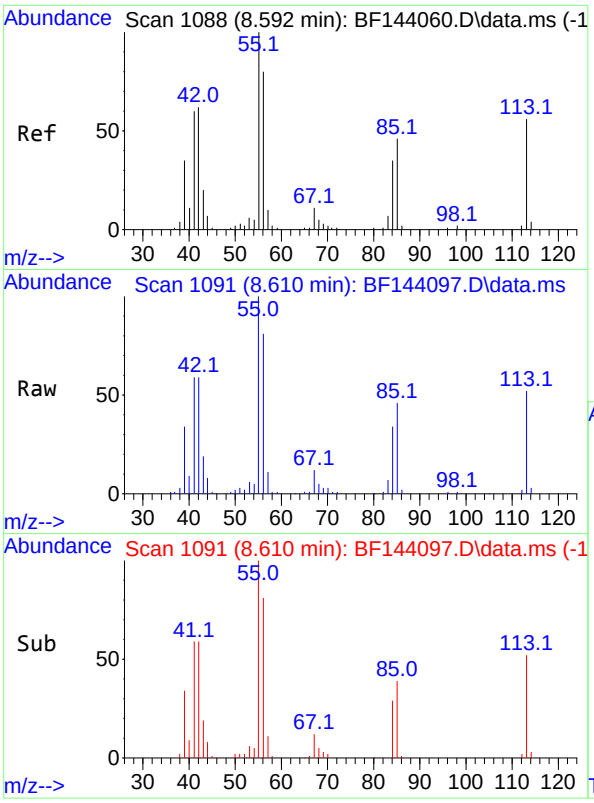


#34
Hexachlorobutadiene
Concen: 40.361 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



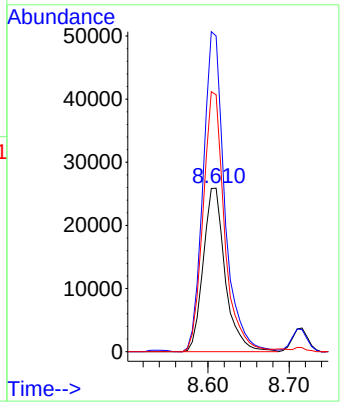


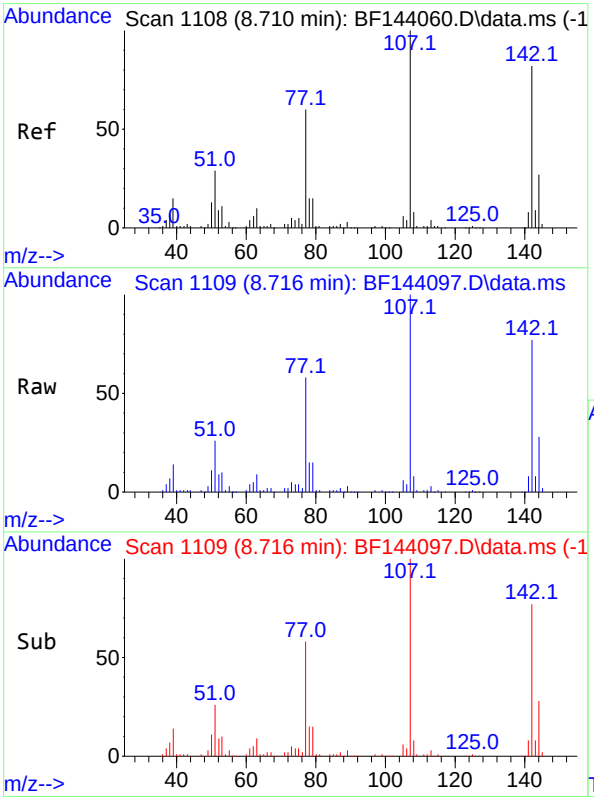
#35
Caprolactam
Concen: 48.802 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

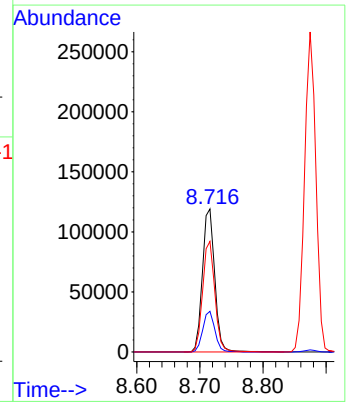


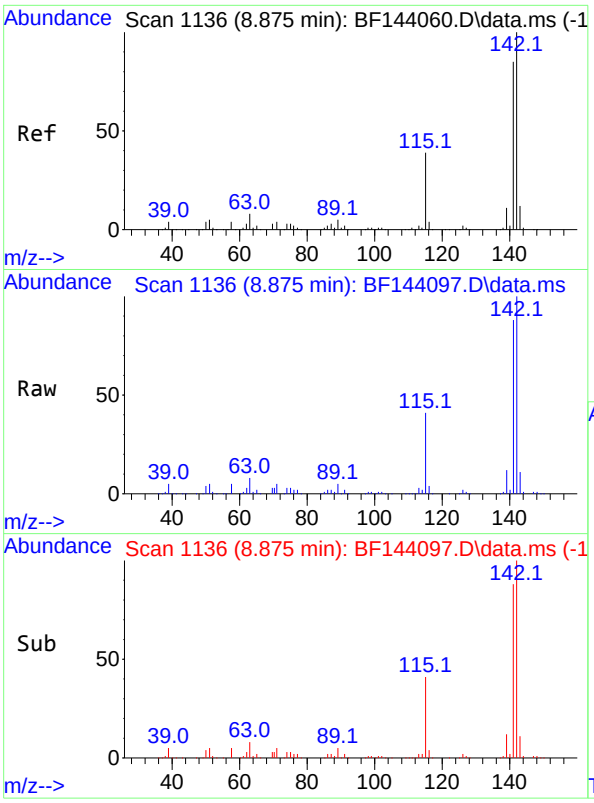


#36
4-Chloro-3-methylphenol
Concen: 46.014 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



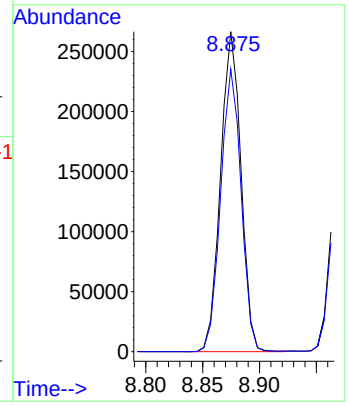


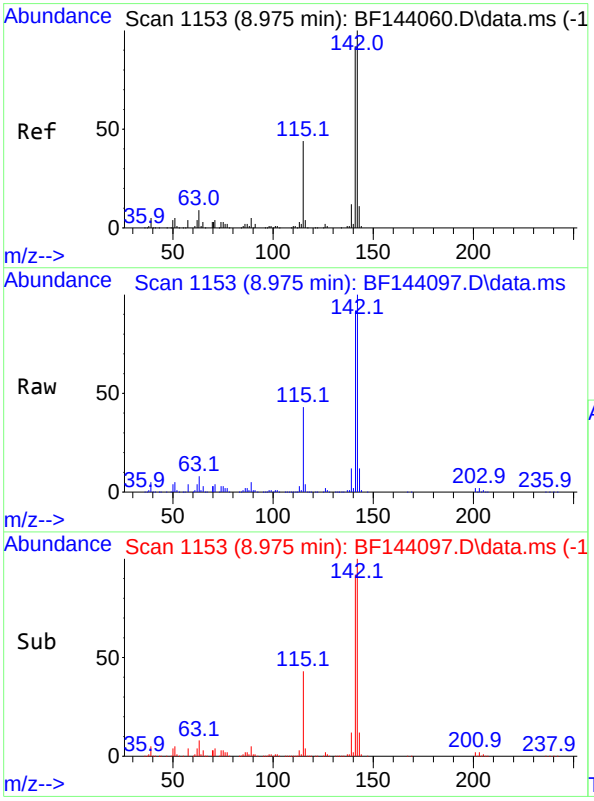
#37
2-Methylnaphthalene
Concen: 42.835 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 333422

Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.6	101.4

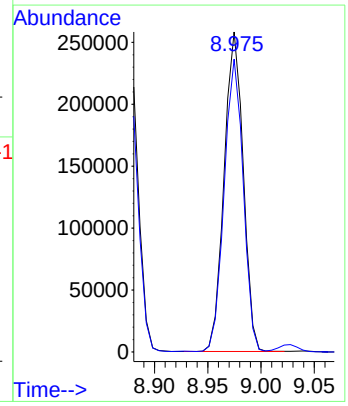


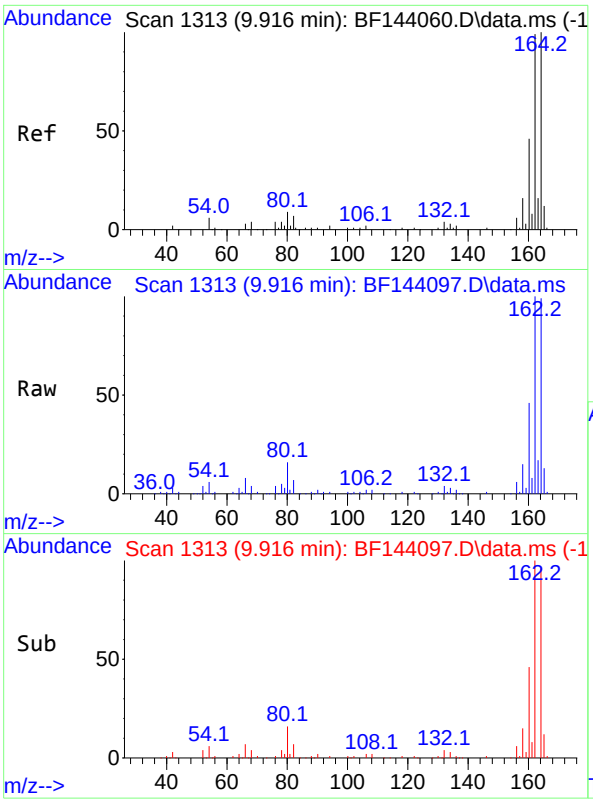


#38
1-Methylnaphthalene
Concen: 43.513 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

Tgt Ion:142 Resp: 320892

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2



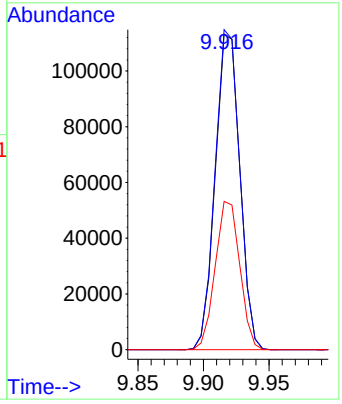


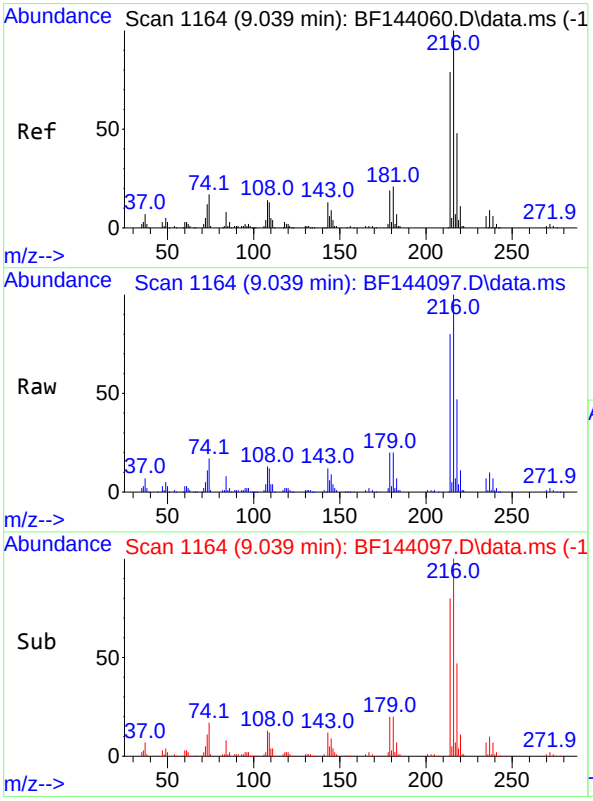
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

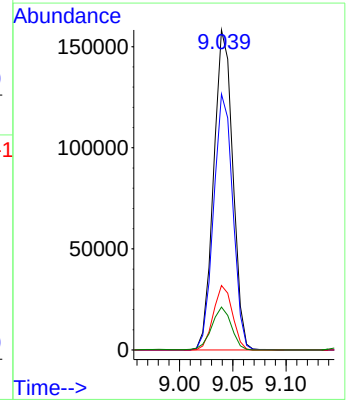


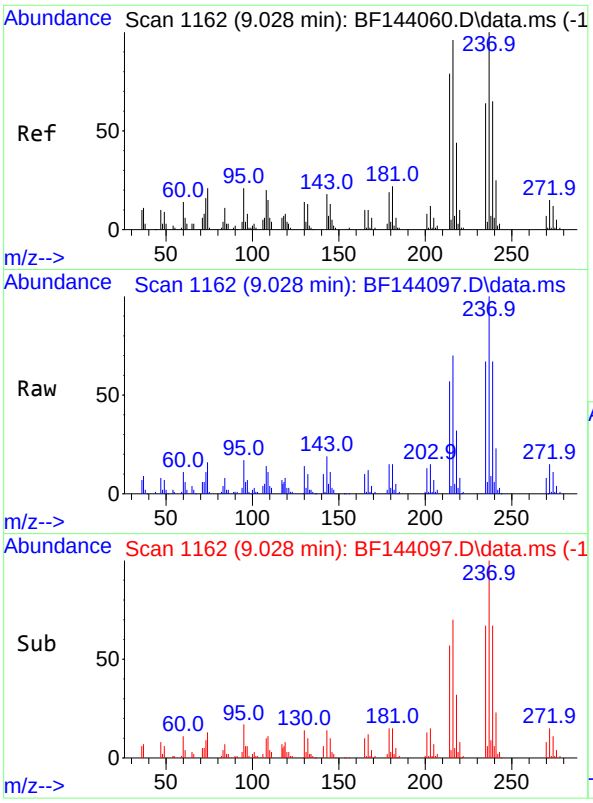


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.859 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



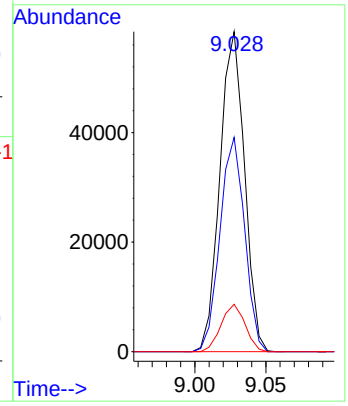


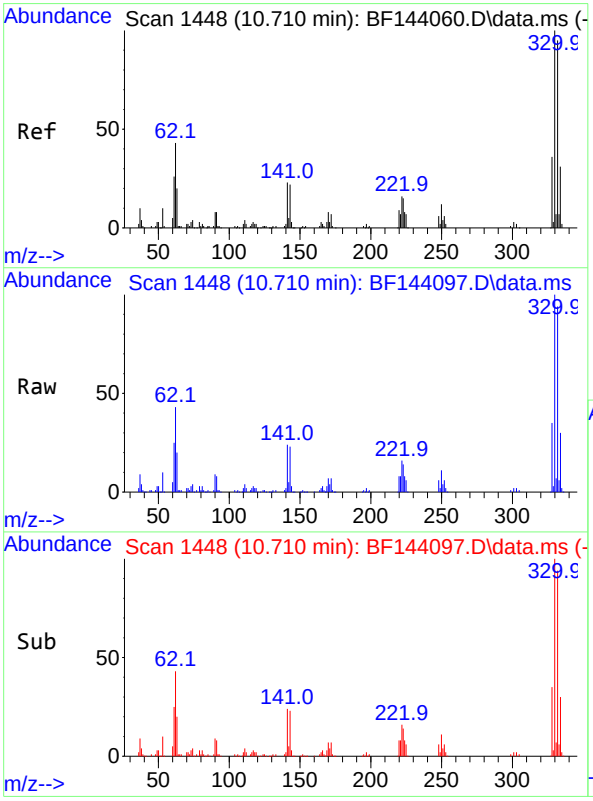
#41
Hexachlorocyclopentadiene
Concen: 44.760 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

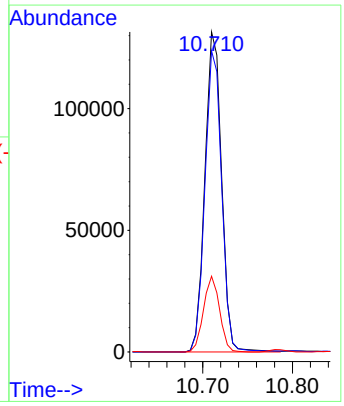


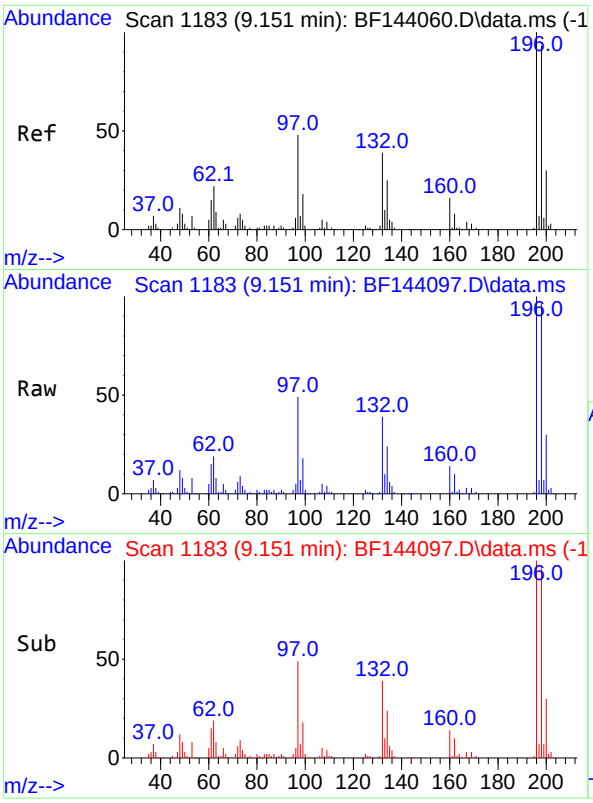


#42
2,4,6-Tribromophenol
Concen: 90.002 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



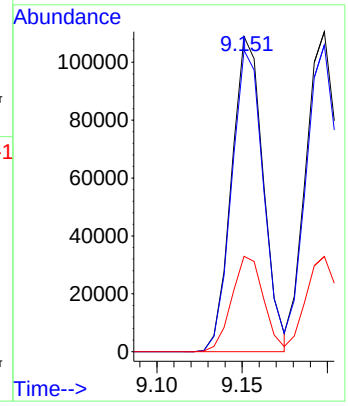


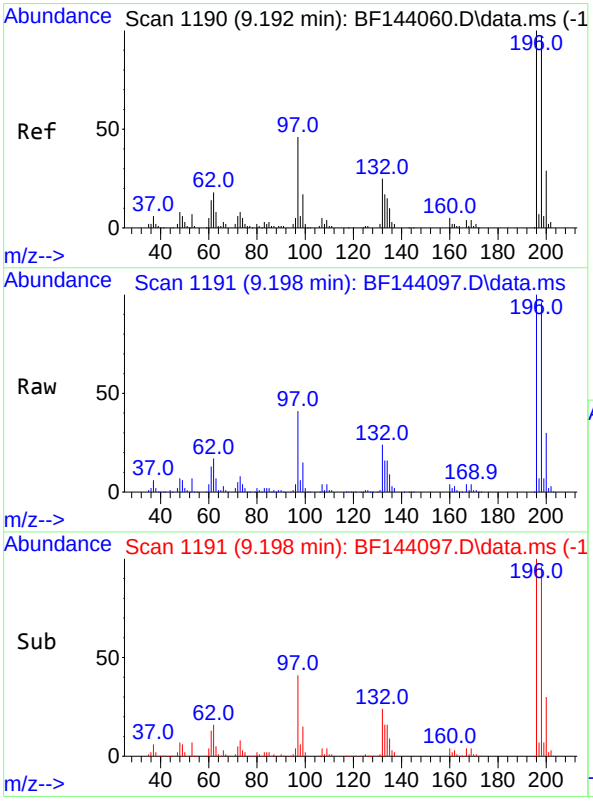
#43
2,4,6-Trichlorophenol
Concen: 42.418 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

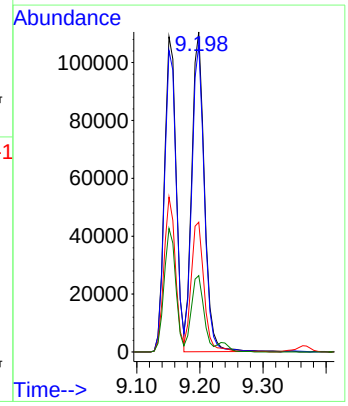


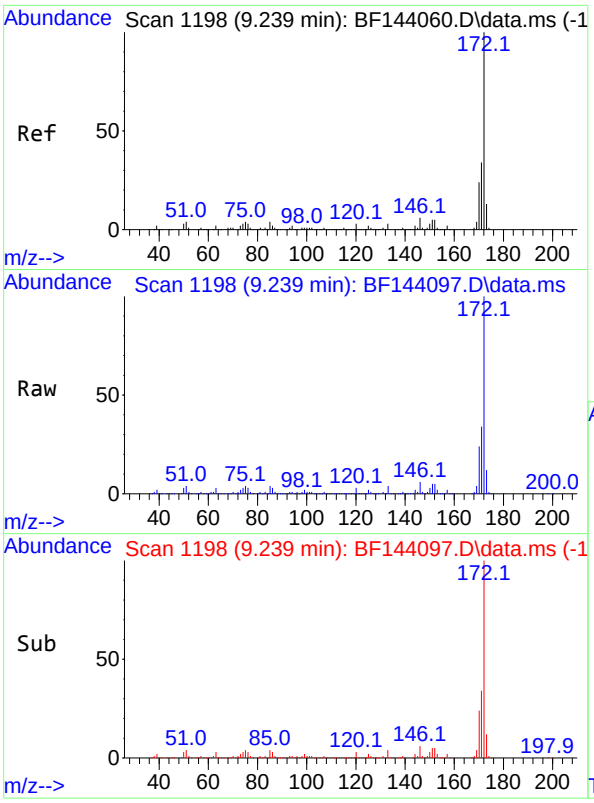


#44
2,4,5-Trichlorophenol
Concen: 44.519 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



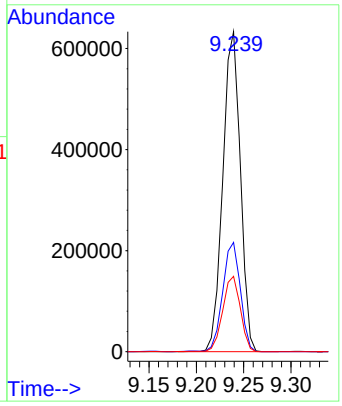


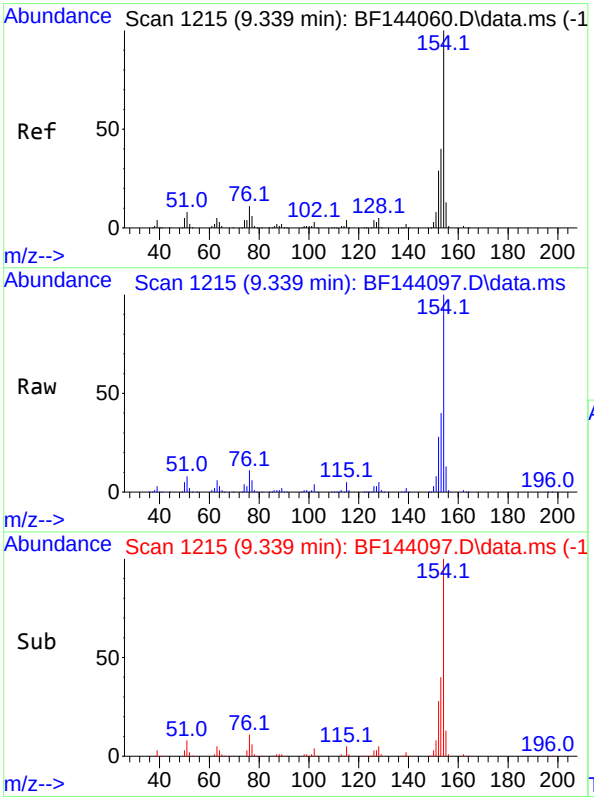
#45
2-Fluorobiphenyl
Concen: 77.635 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

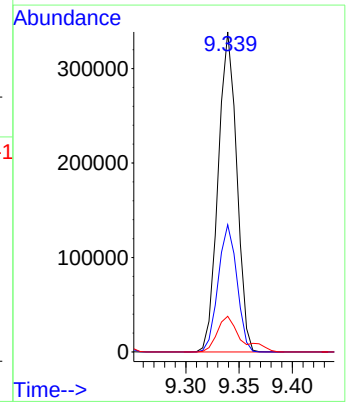


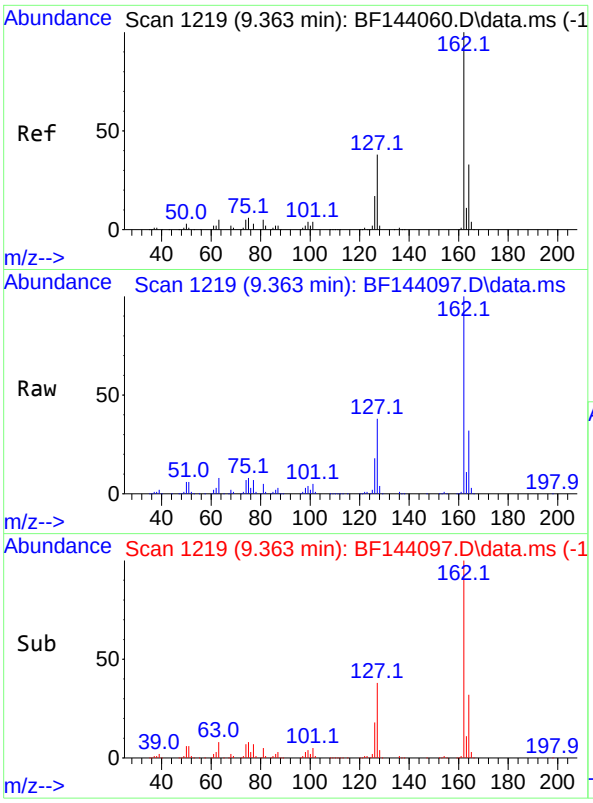


#46
1,1'-Biphenyl
Concen: 38.873 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



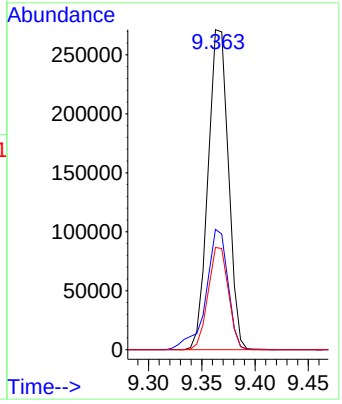


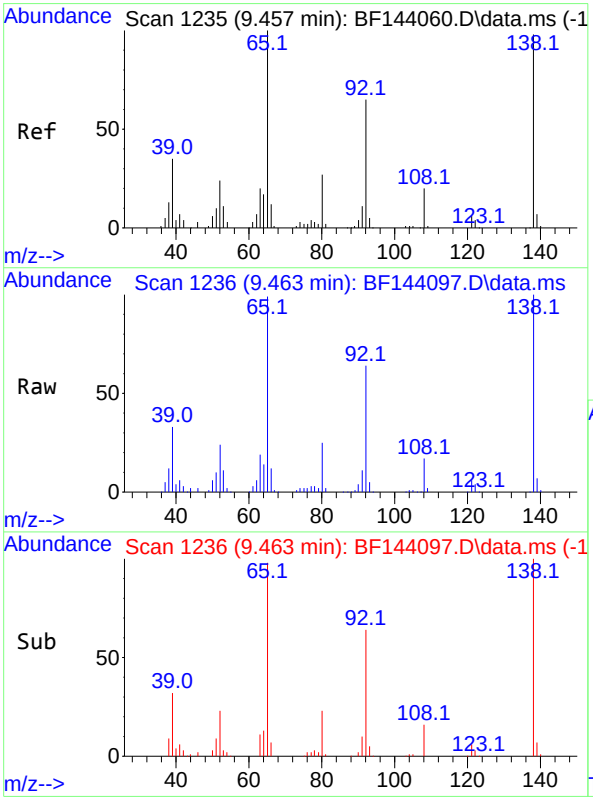
#47
2-Chloronaphthalene
Concen: 40.627 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

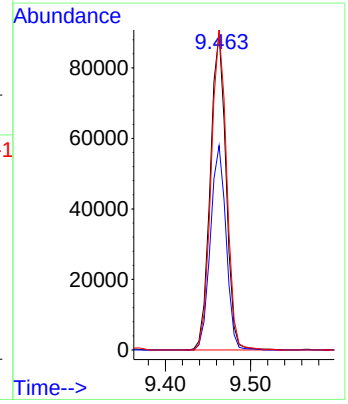


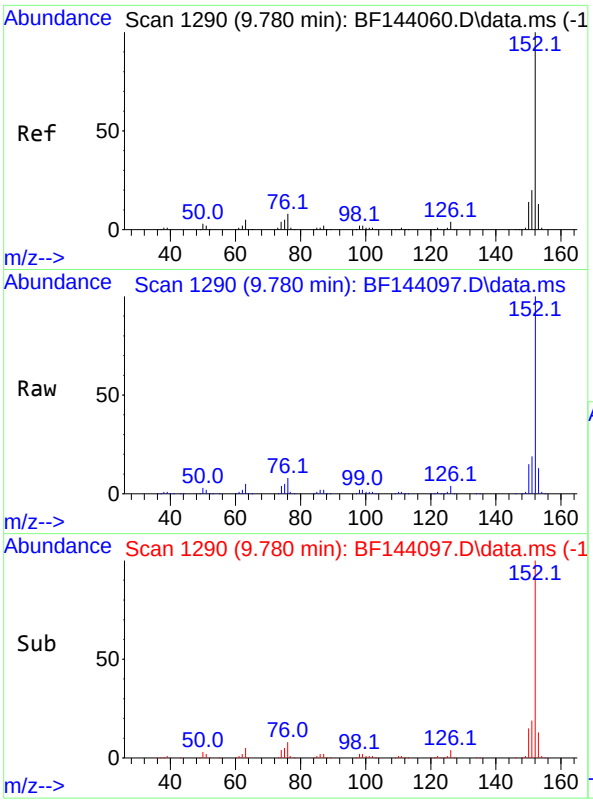


#48
2-Nitroaniline
Concen: 43.622 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



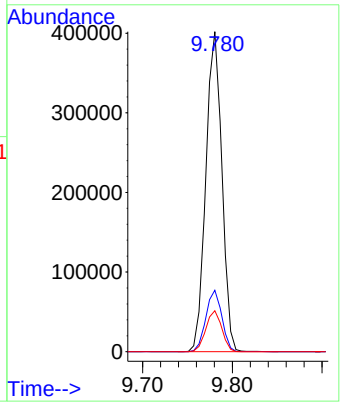


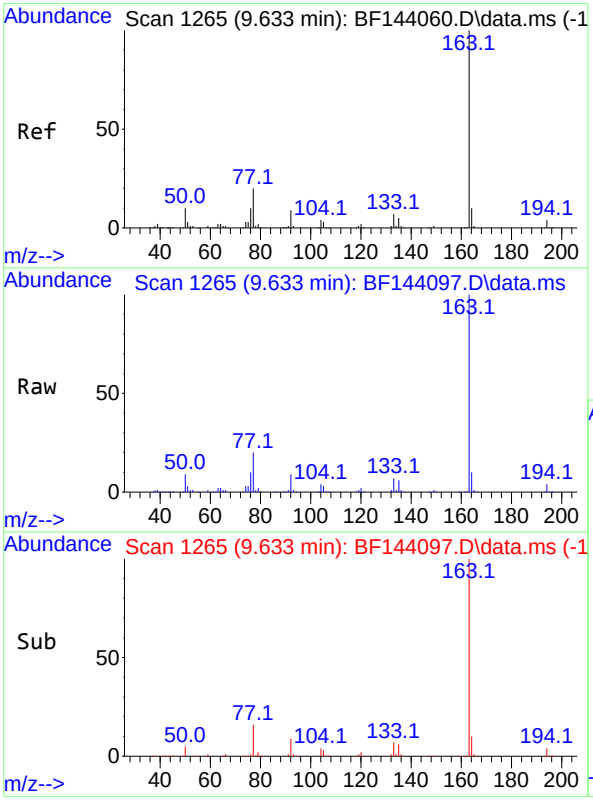
#49
Acenaphthylene
Concen: 41.661 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

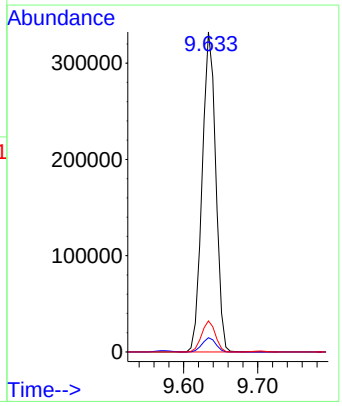


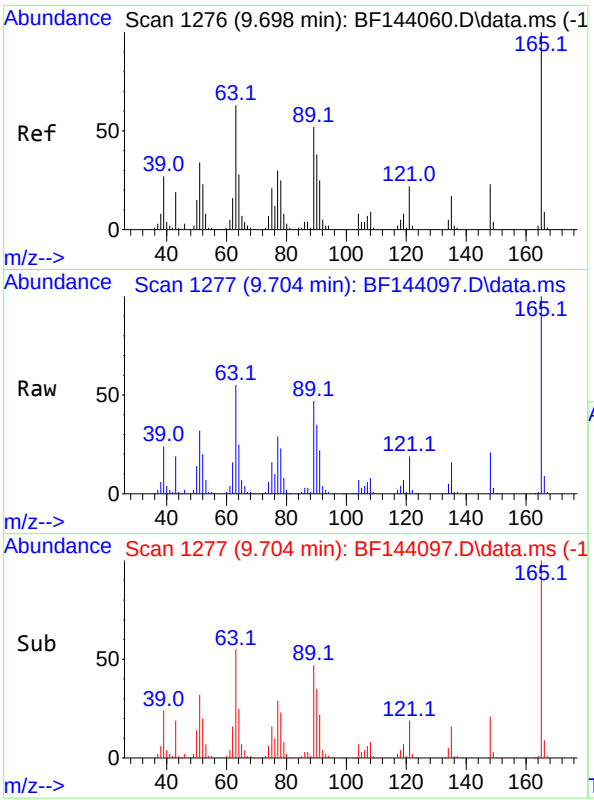


#50
Dimethylphthalate
Concen: 43.685 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



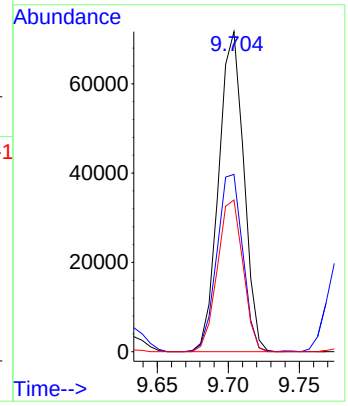


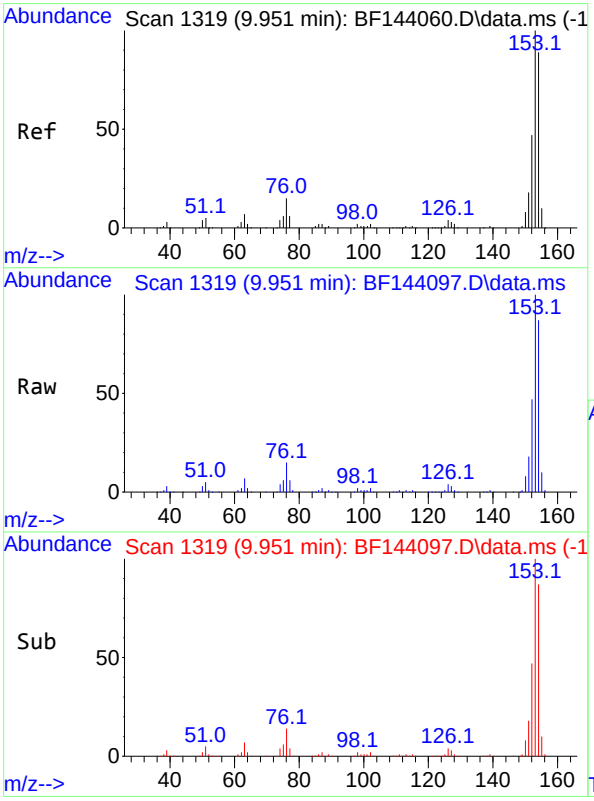
#51
2,6-Dinitrotoluene
Concen: 45.846 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

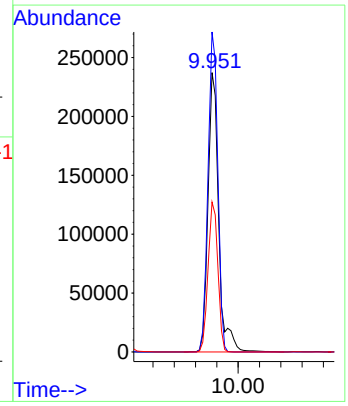


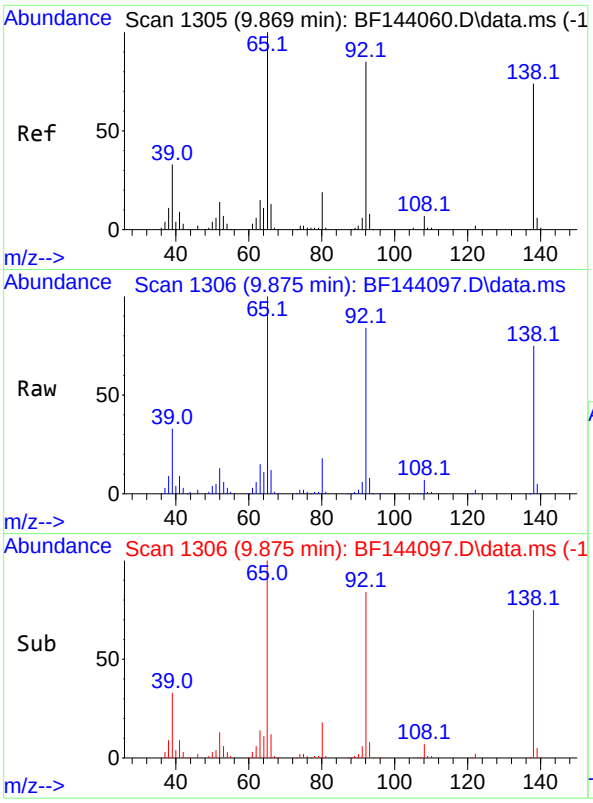


#52
Acenaphthene
Concen: 41.127 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



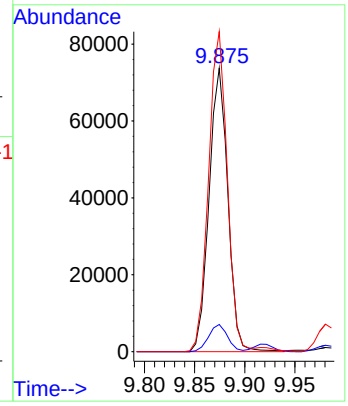


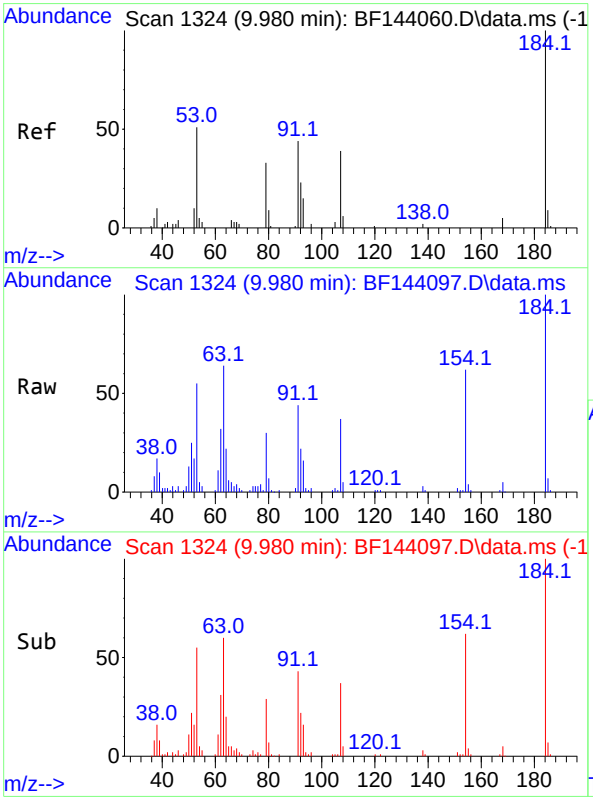
#53
3-Nitroaniline
Concen: 45.229 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

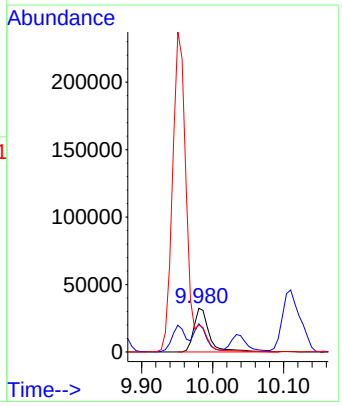


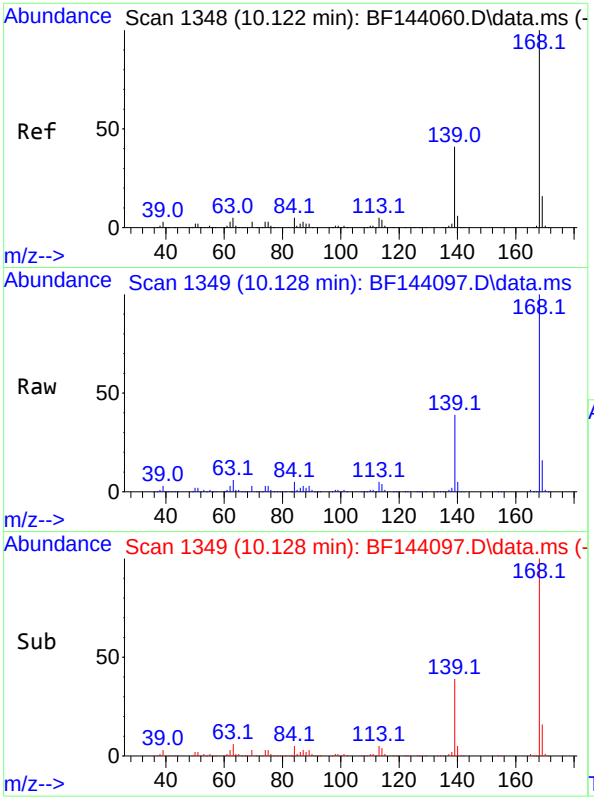


#54
2,4-Dinitrophenol
Concen: 47.423 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



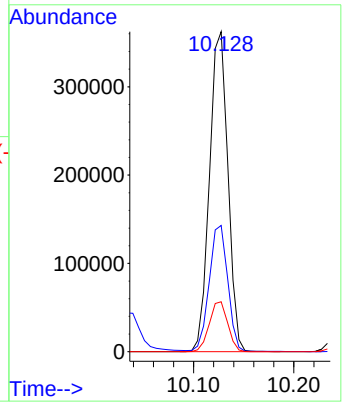


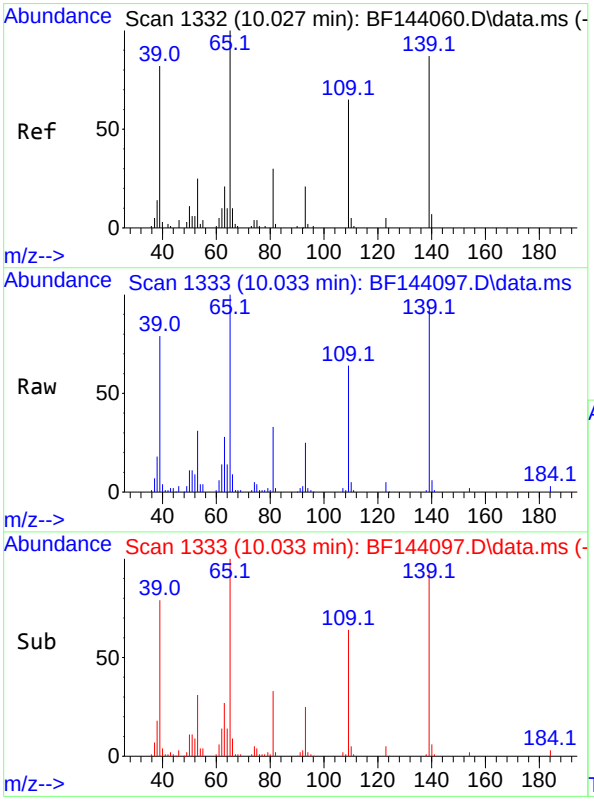
#55
Dibenzofuran
Concen: 41.757 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

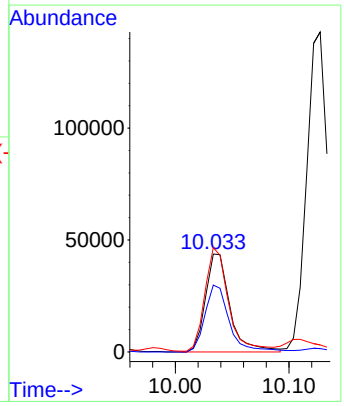


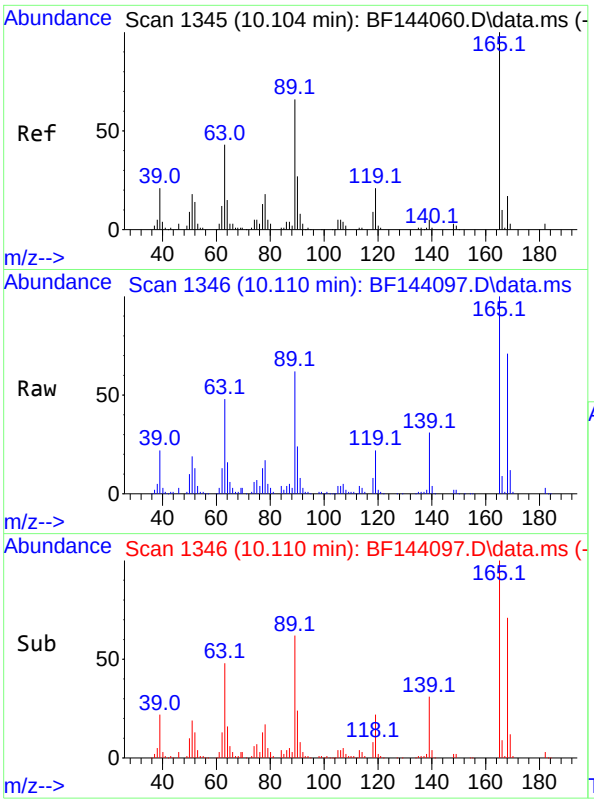


#56
4-Nitrophenol
Concen: 45.329 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



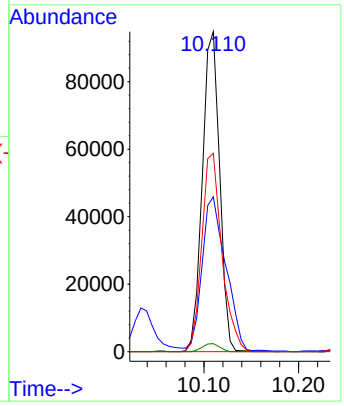


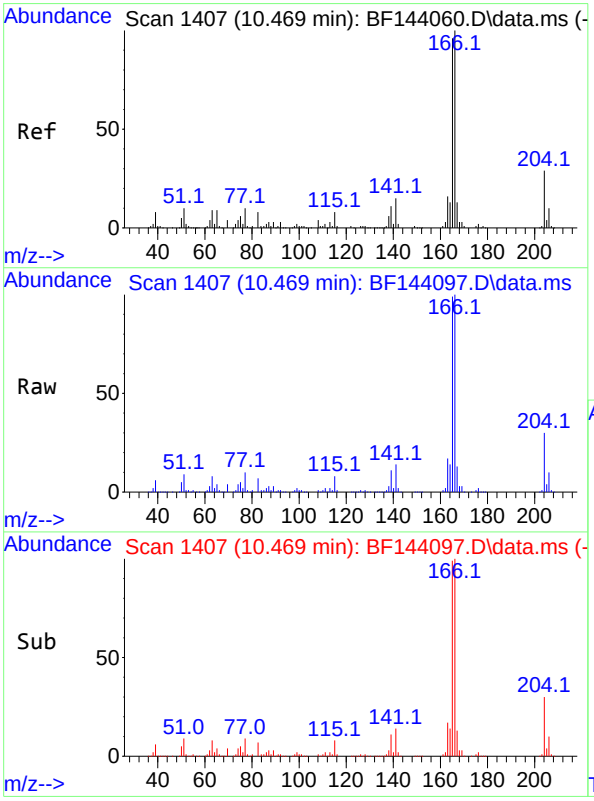
#57
2,4-Dinitrotoluene
Concen: 46.505 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

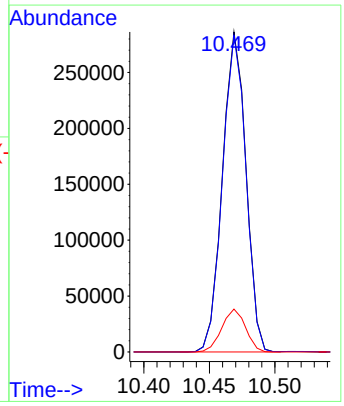


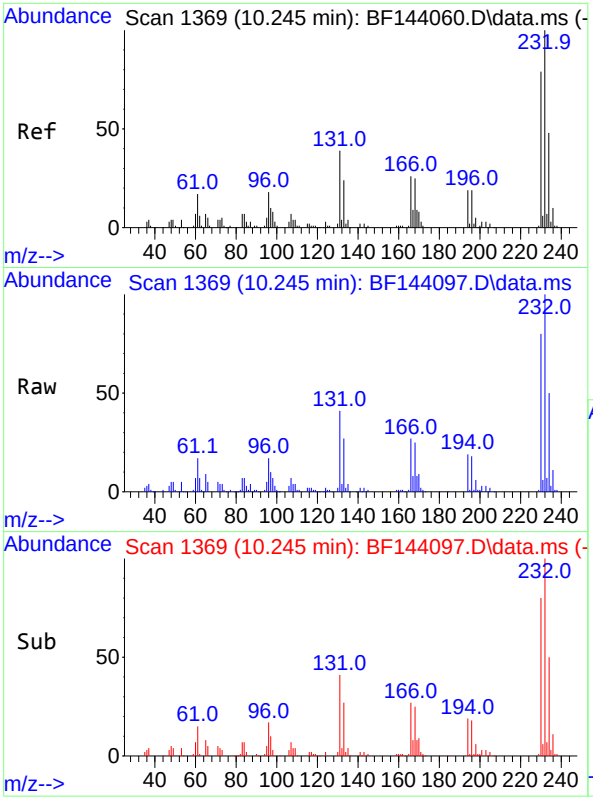


#58
Fluorene
Concen: 42.247 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



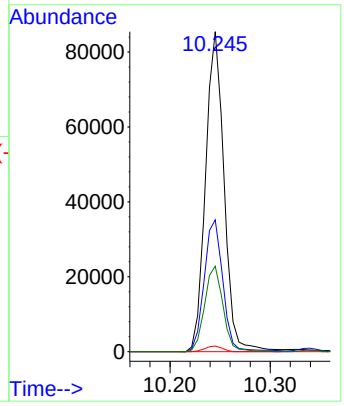


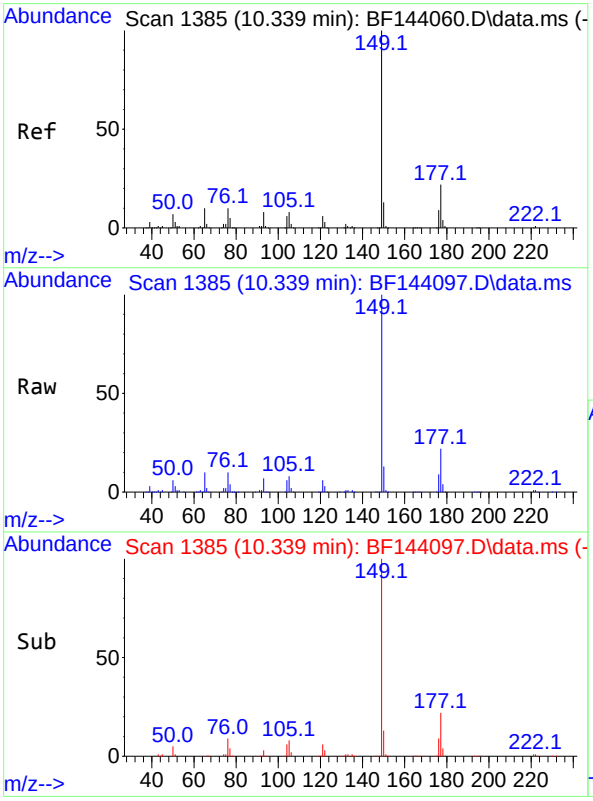
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.002 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

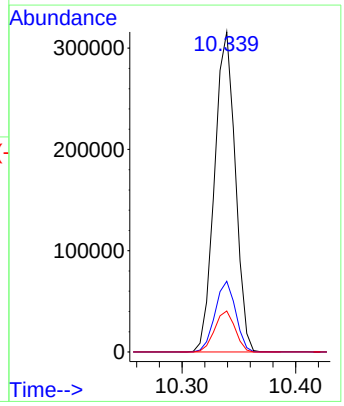


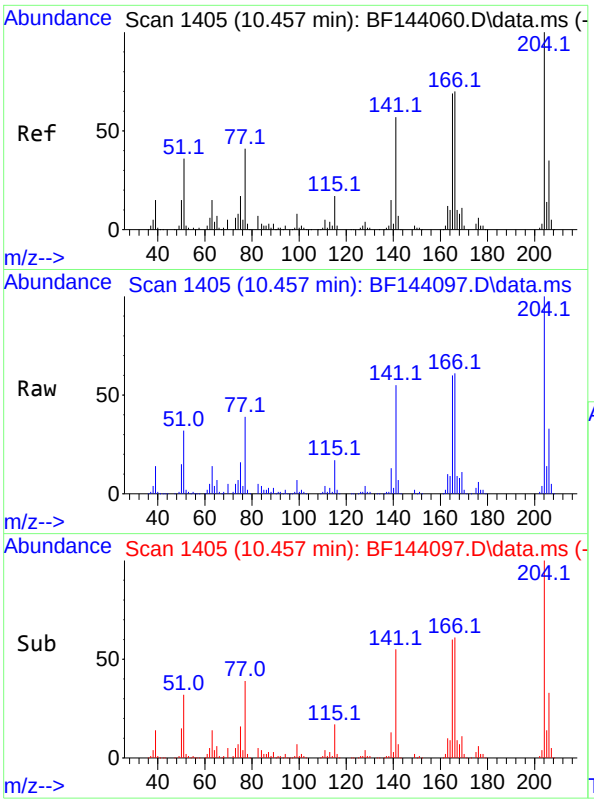


#60
Diethylphthalate
Concen: 43.974 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



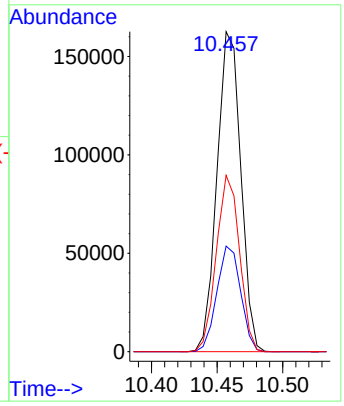


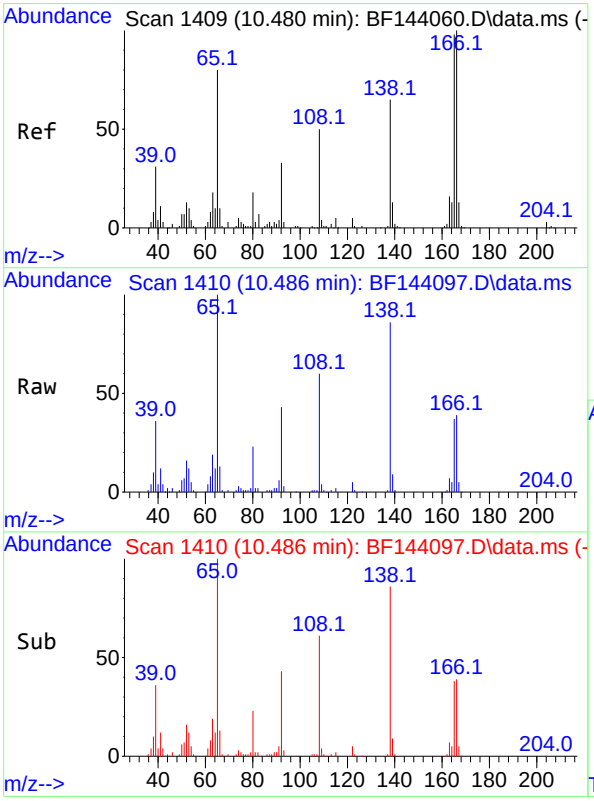
#61
4-Chlorophenyl-phenylether
Concen: 43.147 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

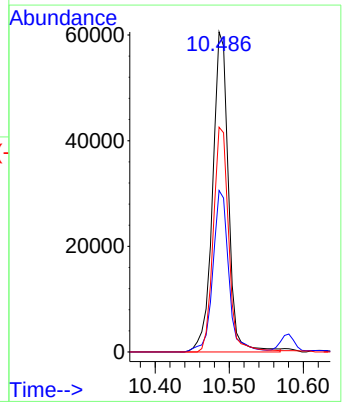


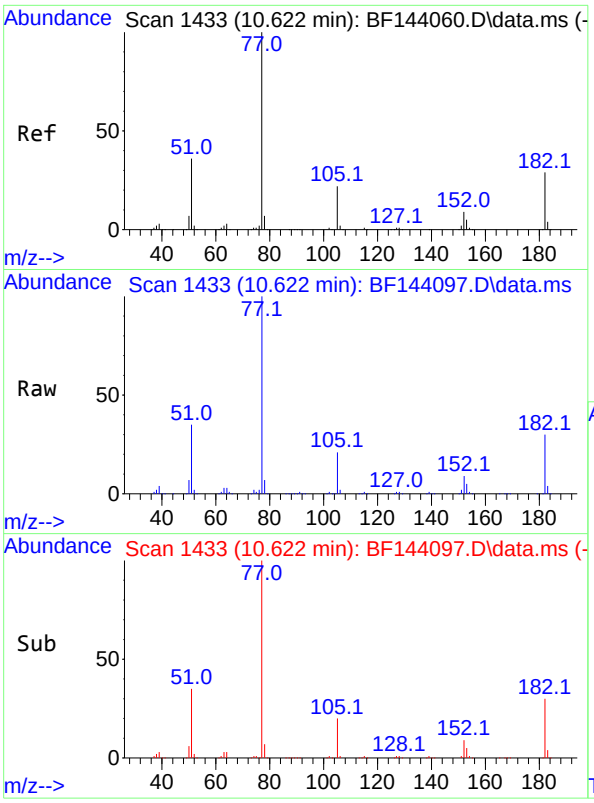


#62
4-Nitroaniline
Concen: 44.504 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



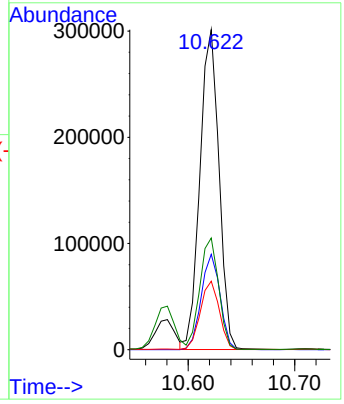


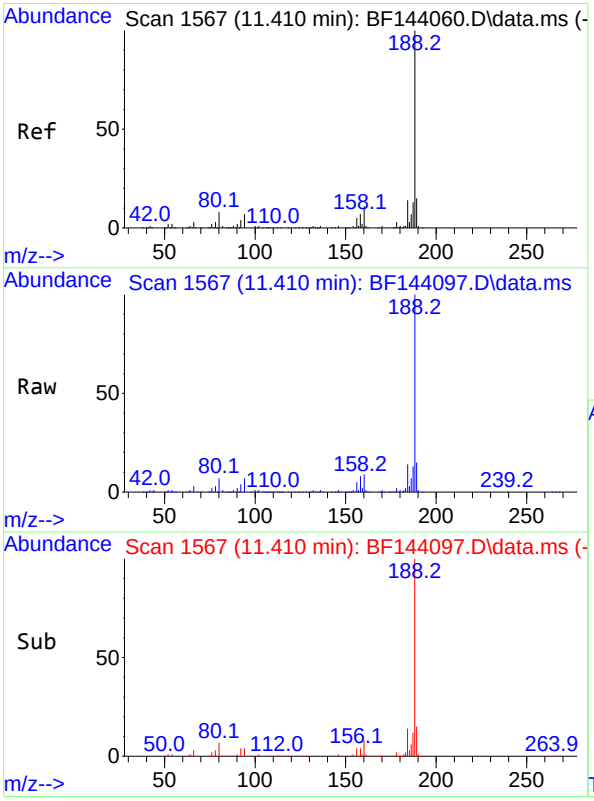
#63
Azobenzene
Concen: 43.581 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

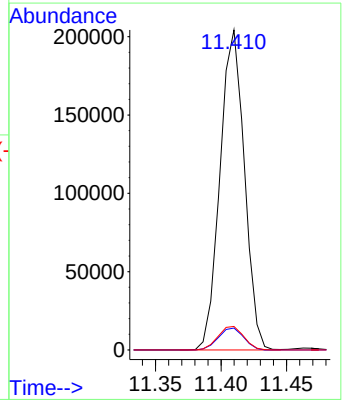


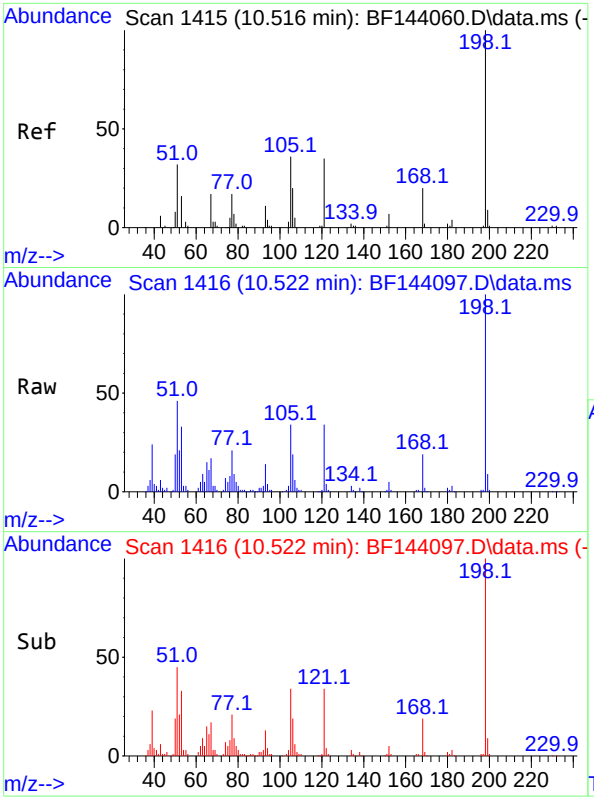


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



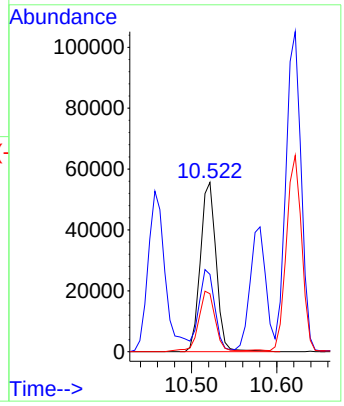


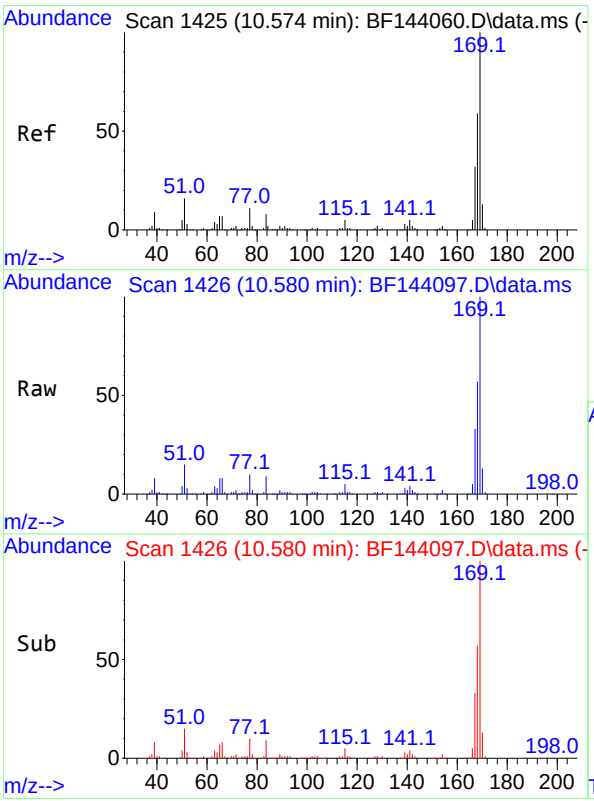
#65
4,6-Dinitro-2-methylphenol
Concen: 42.264 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

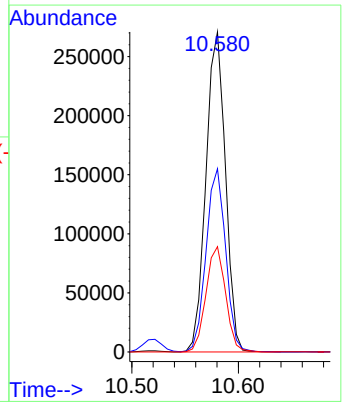


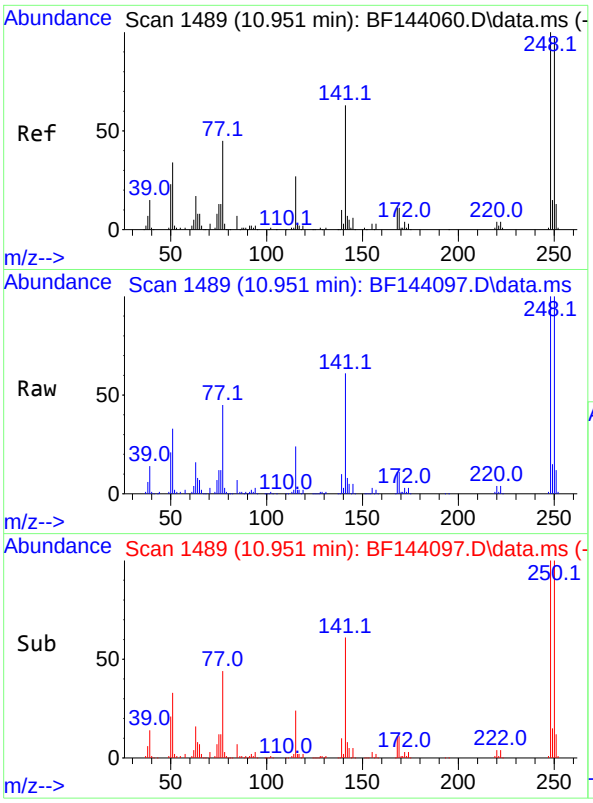


#66
n-Nitrosodiphenylamine
Concen: 40.864 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



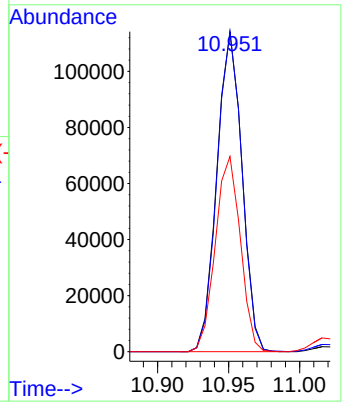


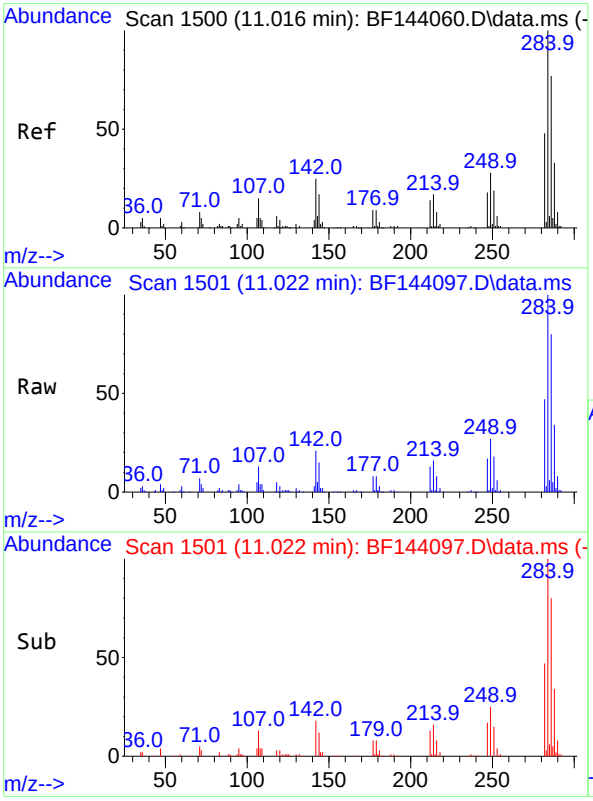
#67
4-Bromophenyl-phenylether
Concen: 42.521 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

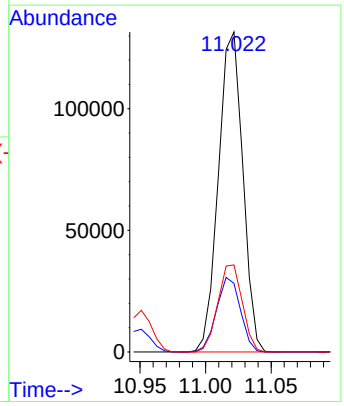


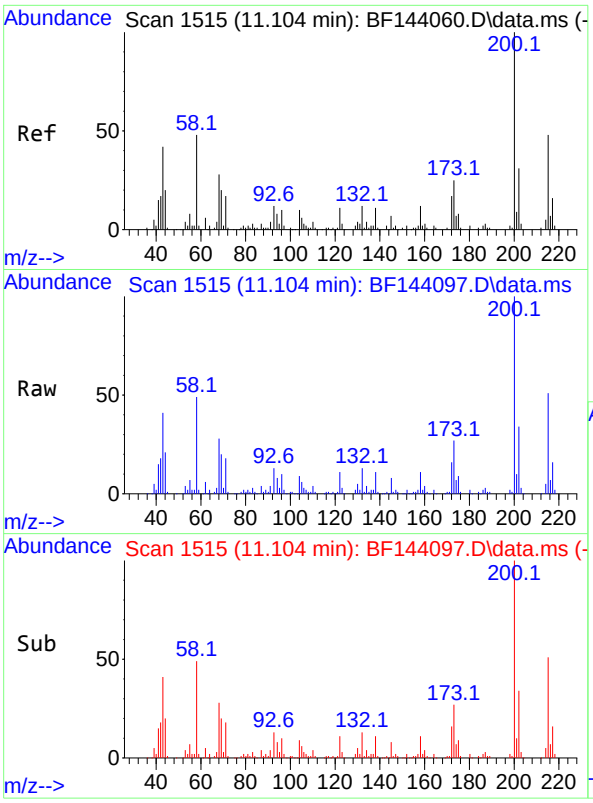


#68
Hexachlorobenzene
Concen: 41.916 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



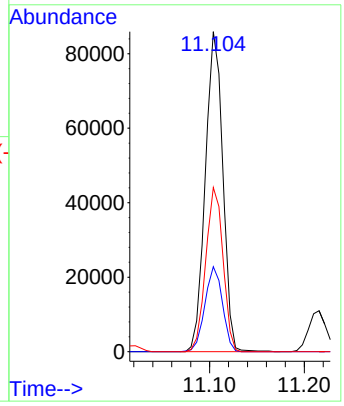


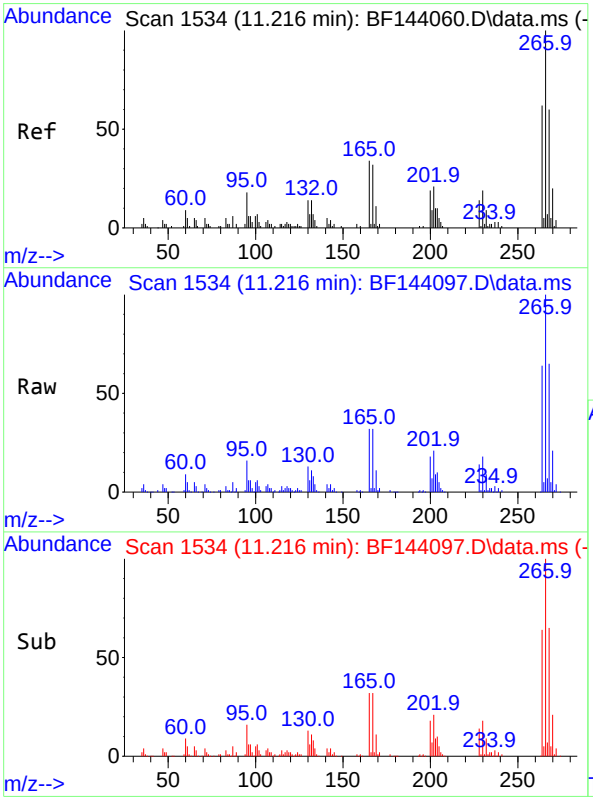
#69
Atrazine
Concen: 39.700 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

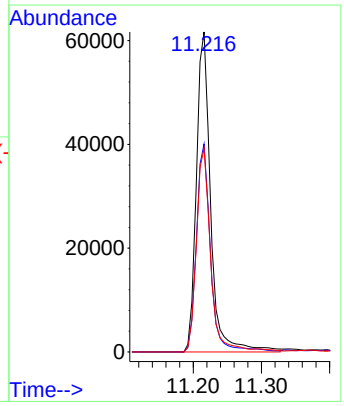


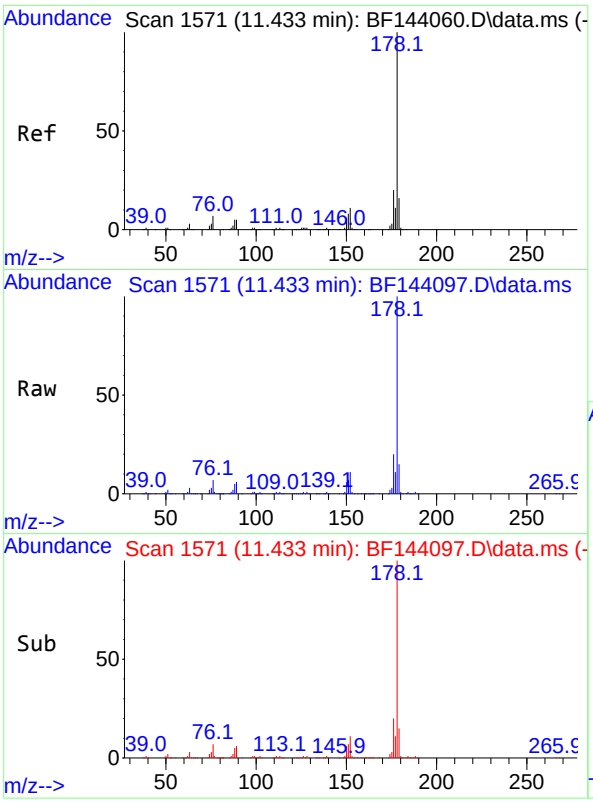


#70
Pentachlorophenol
Concen: 46.401 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



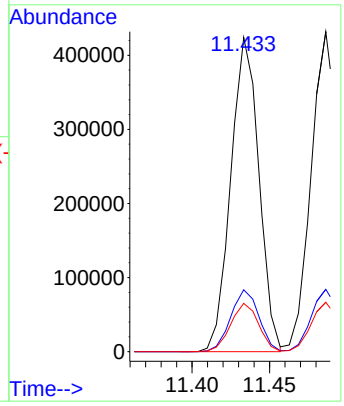


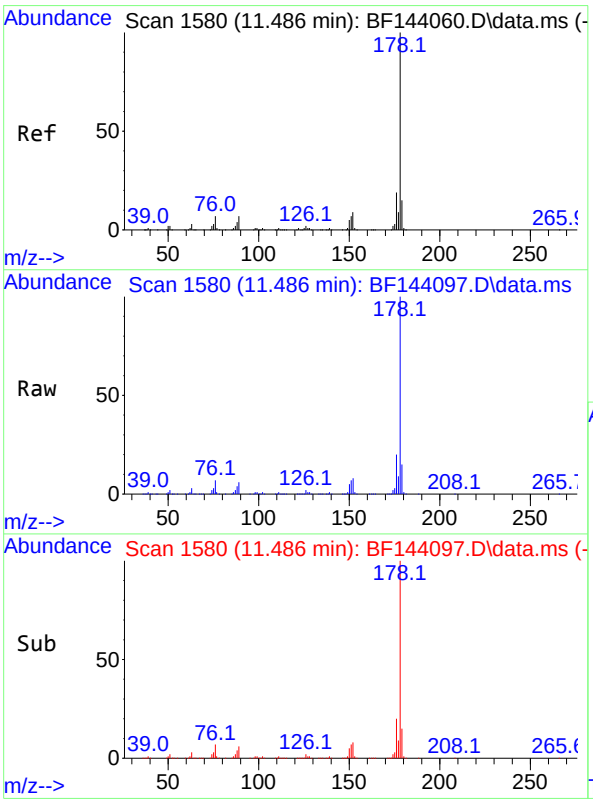
#71
Phenanthrene
Concen: 40.767 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

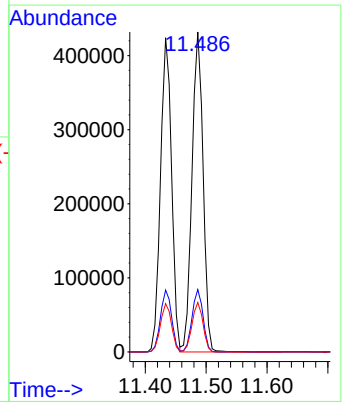


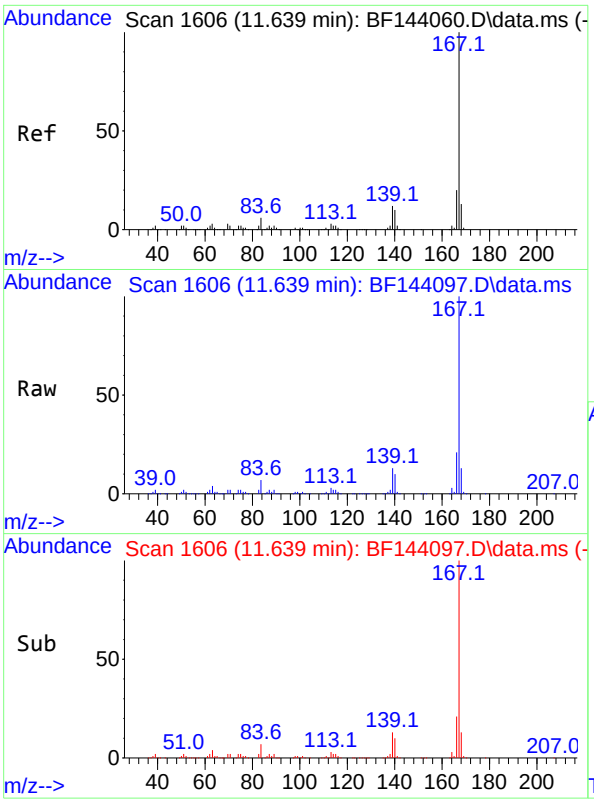


#72
Anthracene
Concen: 40.333 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



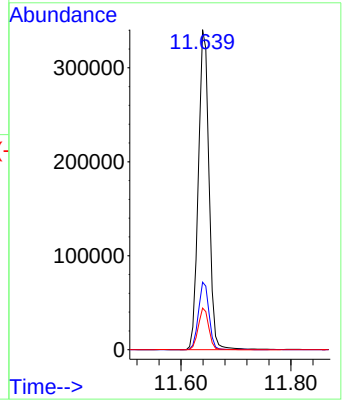


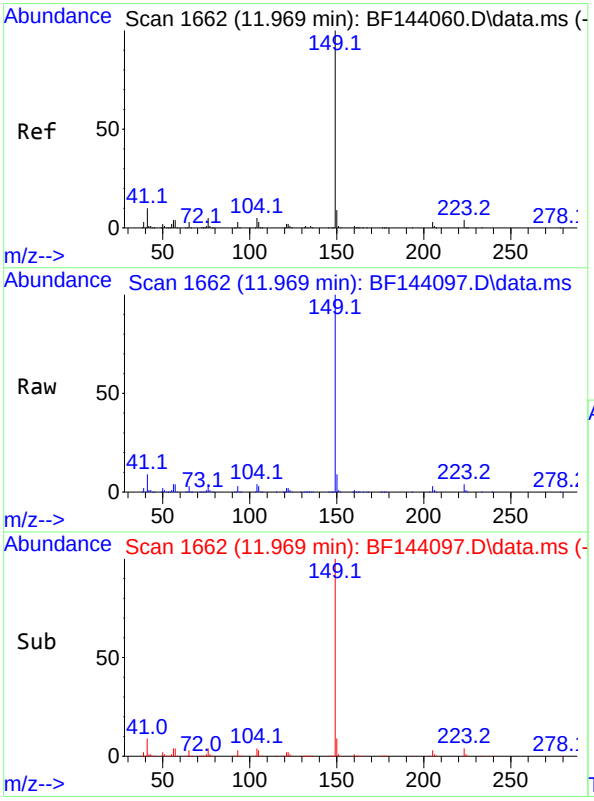
#73
Carbazole
Concen: 39.771 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

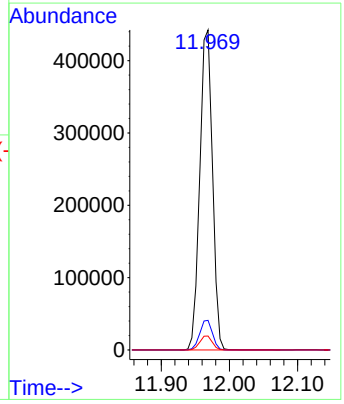


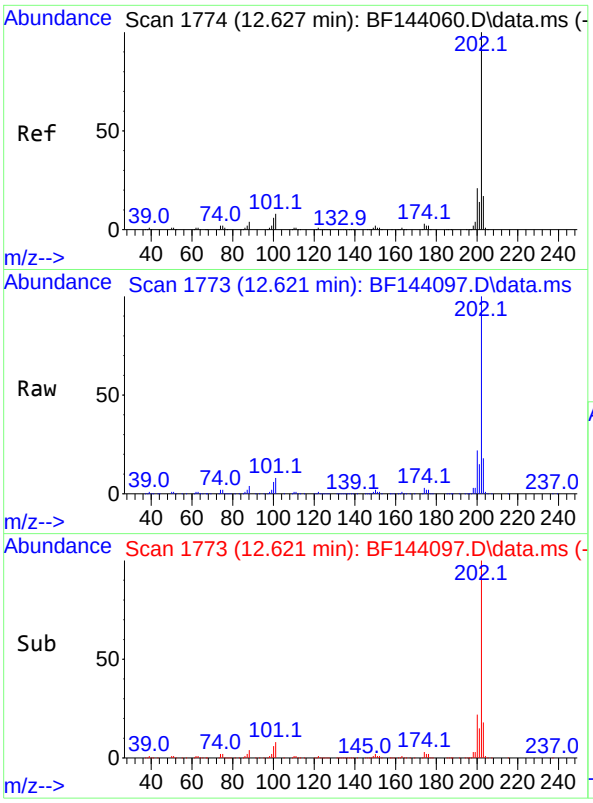


#74
Di-n-butylphthalate
Concen: 40.420 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



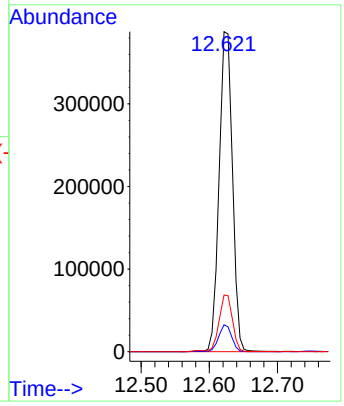


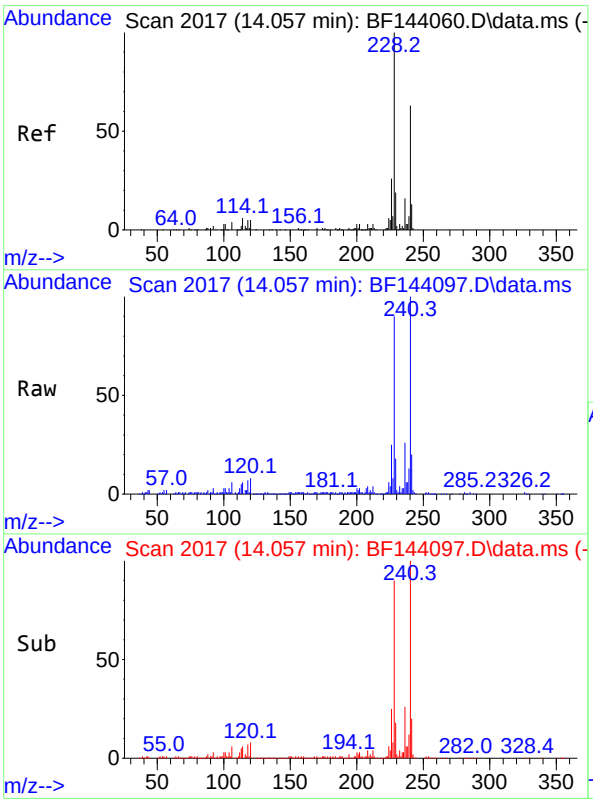
#75
Fluoranthene
Concen: 36.455 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

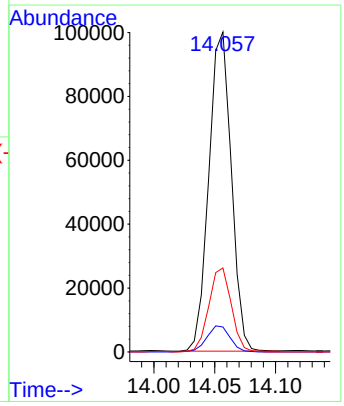


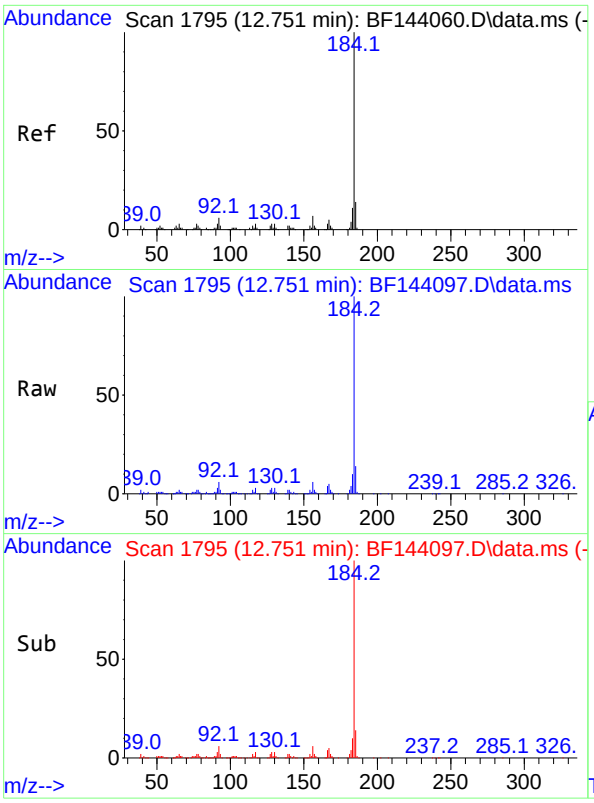


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



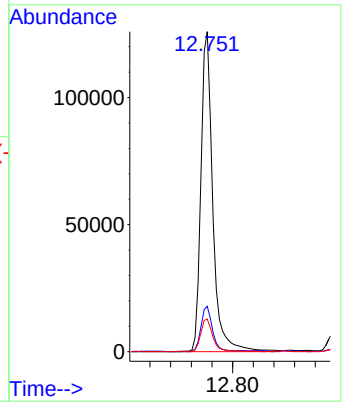


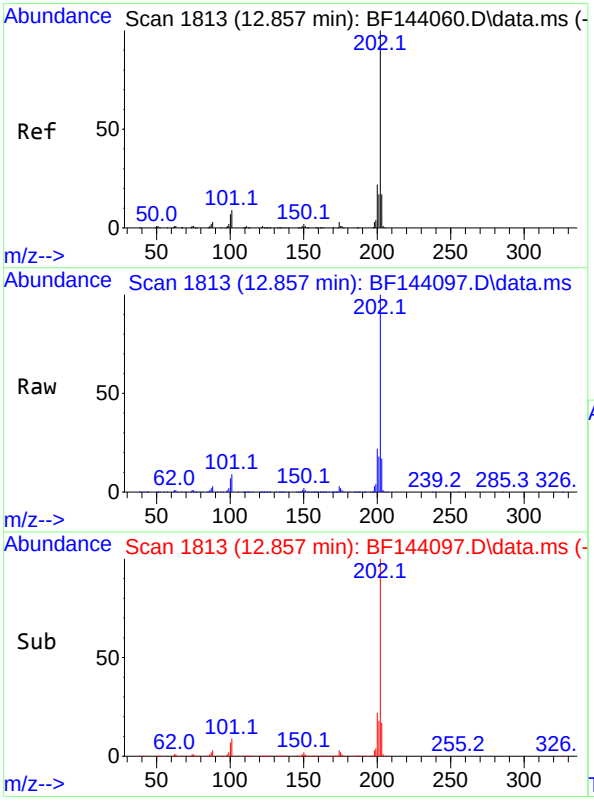
#77
Benzidine
Concen: 50.411 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

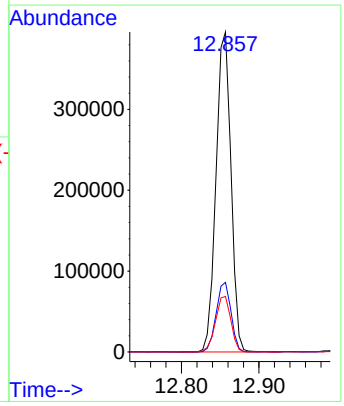


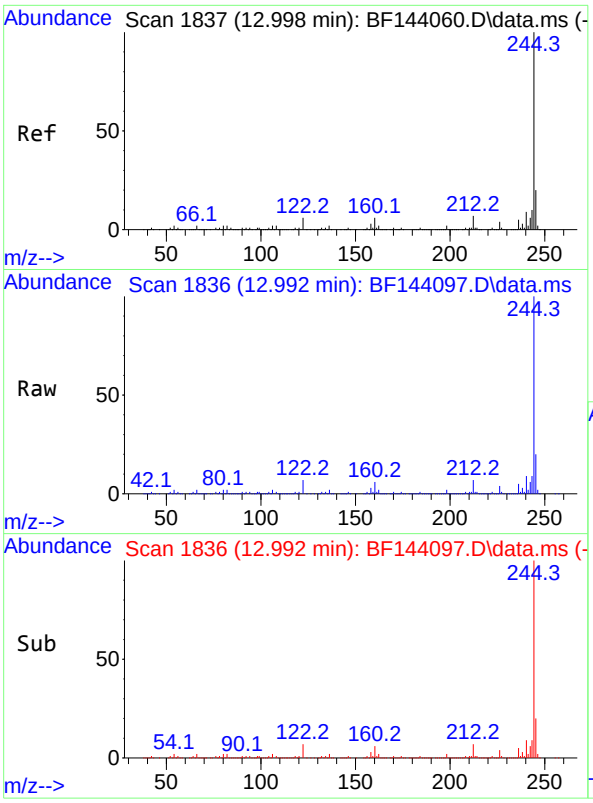


#78
Pyrene
Concen: 57.540 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



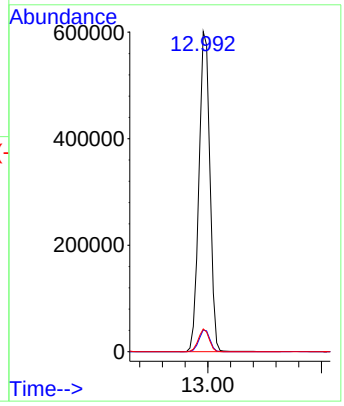


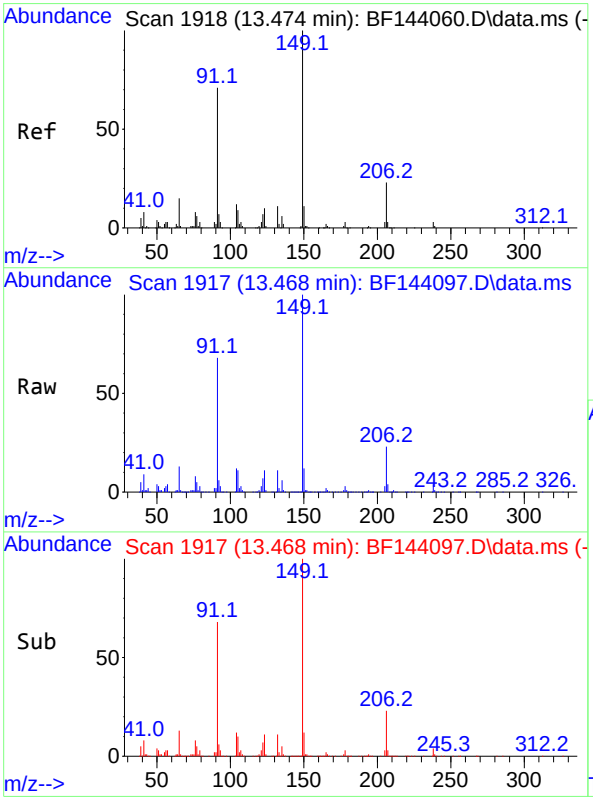
#79
Terphenyl-d14
Concen: 109.967 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

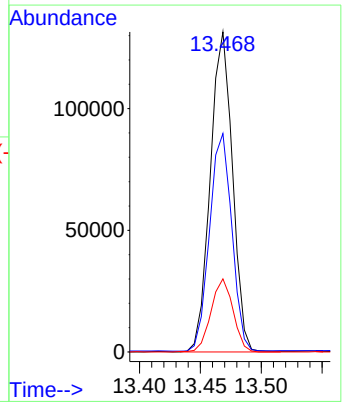


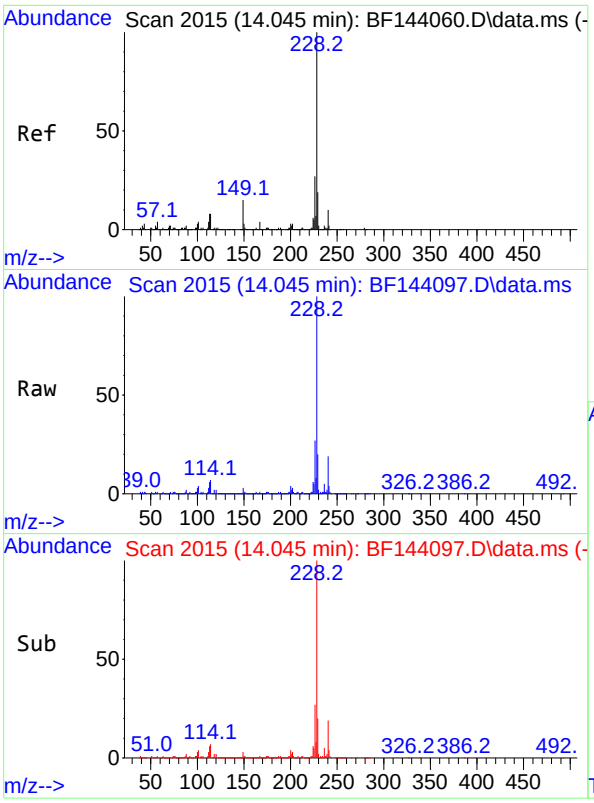


#80
Butylbenzylphthalate
Concen: 47.907 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



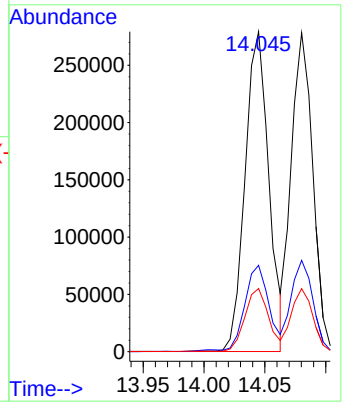


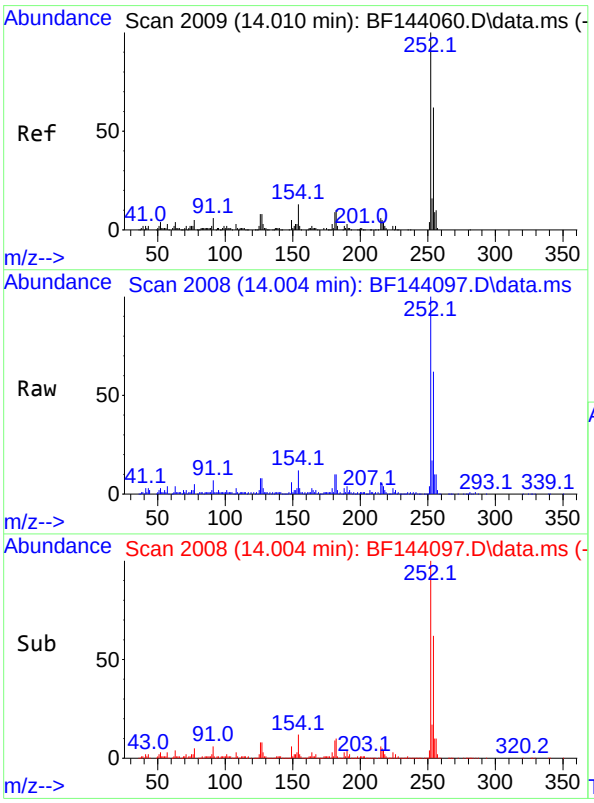
#81
Benzo(a)anthracene
Concen: 43.808 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

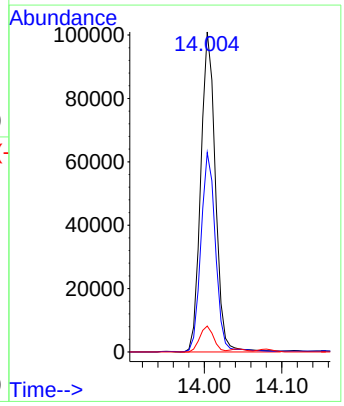


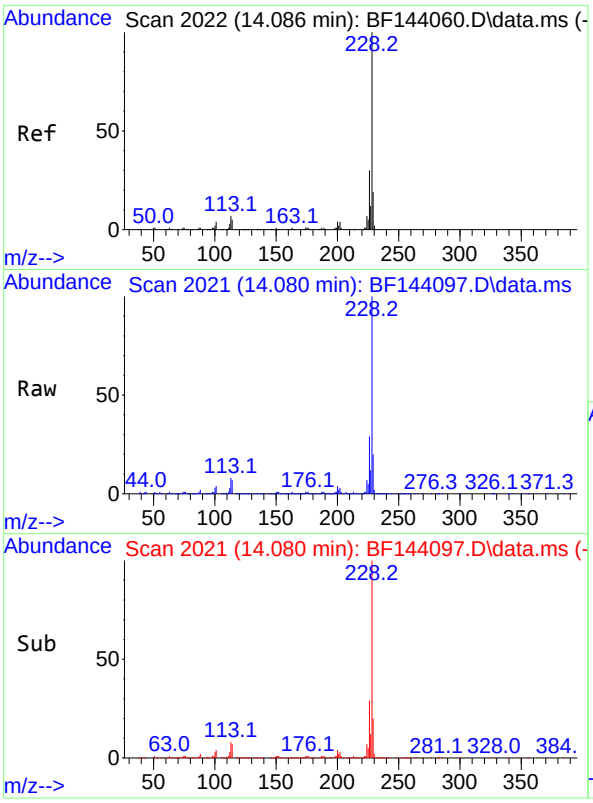


#82
3,3'-Dichlorobenzidine
Concen: 43.932 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



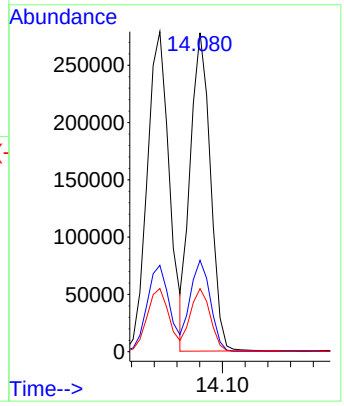


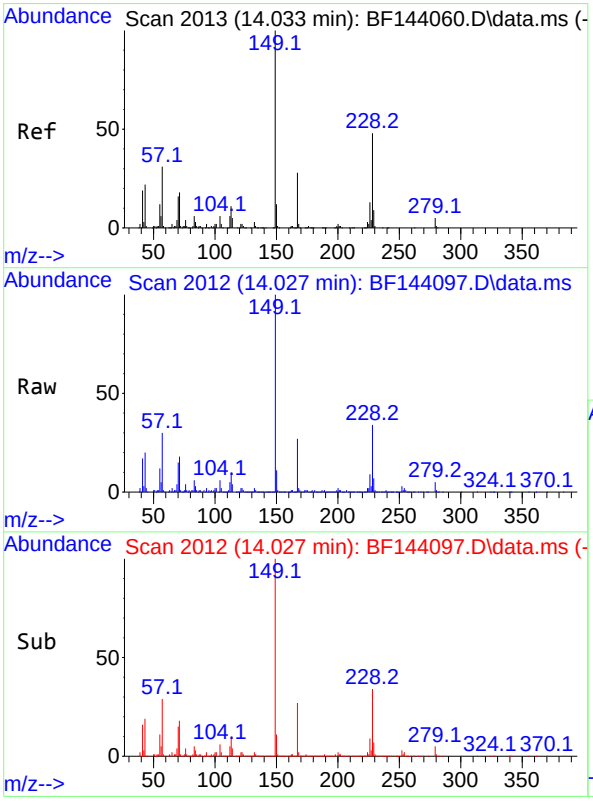
#83
Chrysene
Concen: 42.081 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

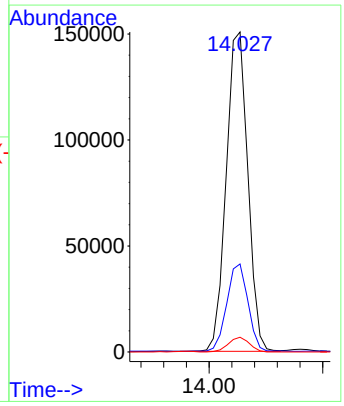


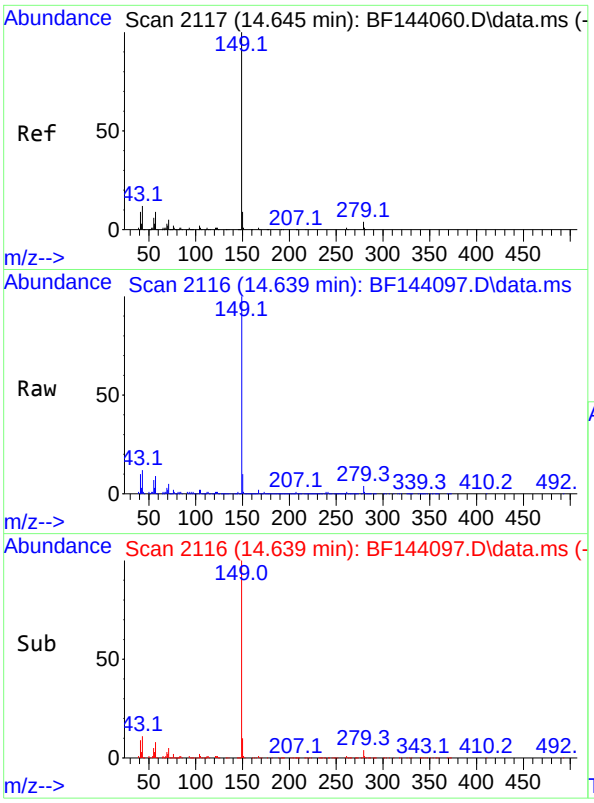


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.739 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



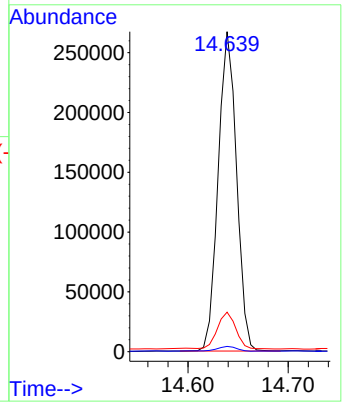


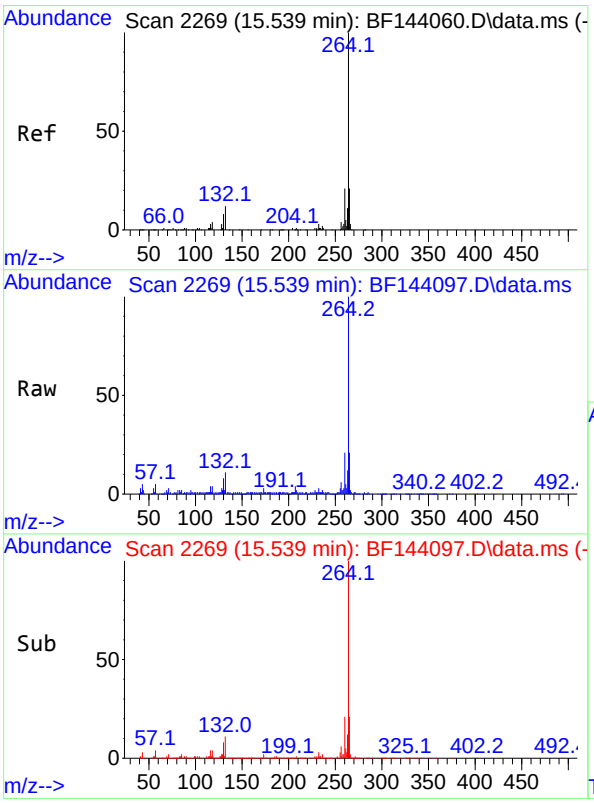
#85
Di-n-octyl phthalate
Concen: 41.443 ng
RT: 14.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

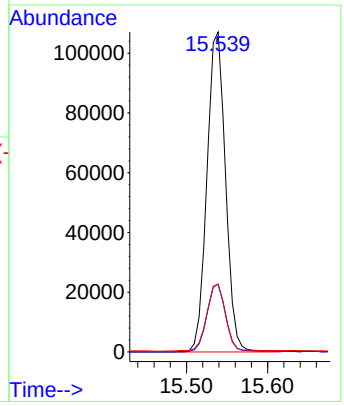


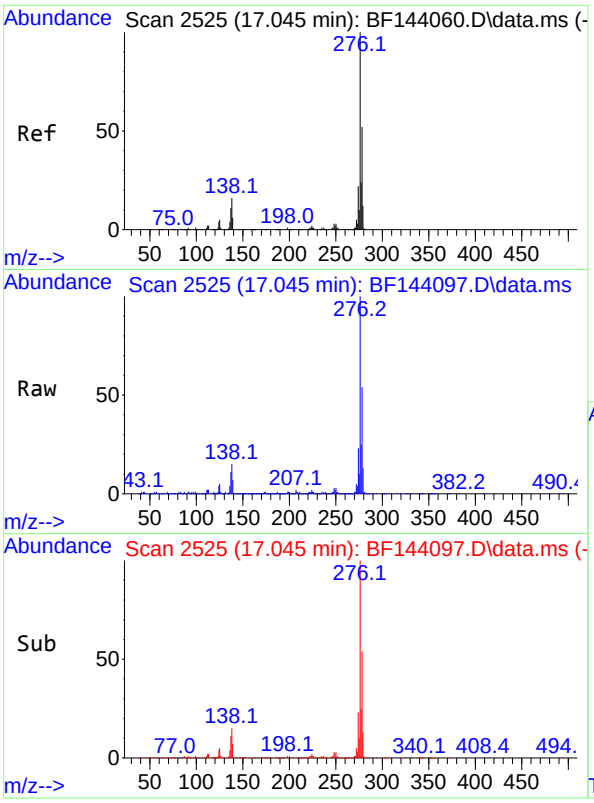


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



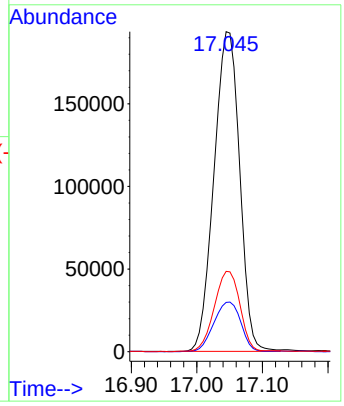


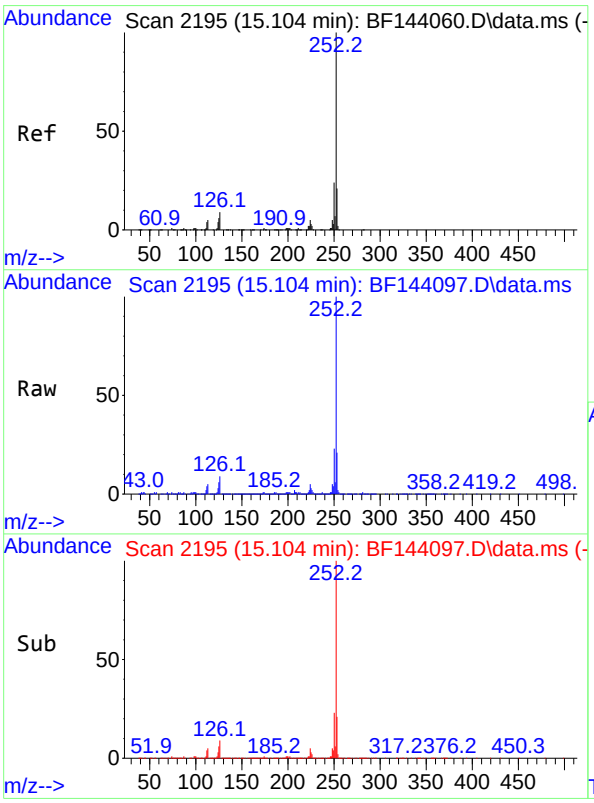
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.034 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

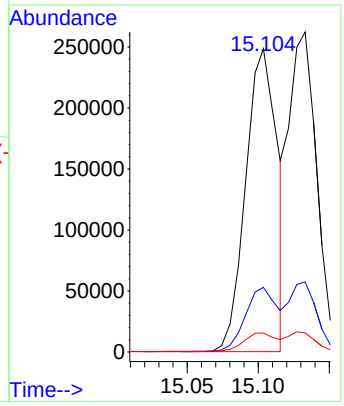


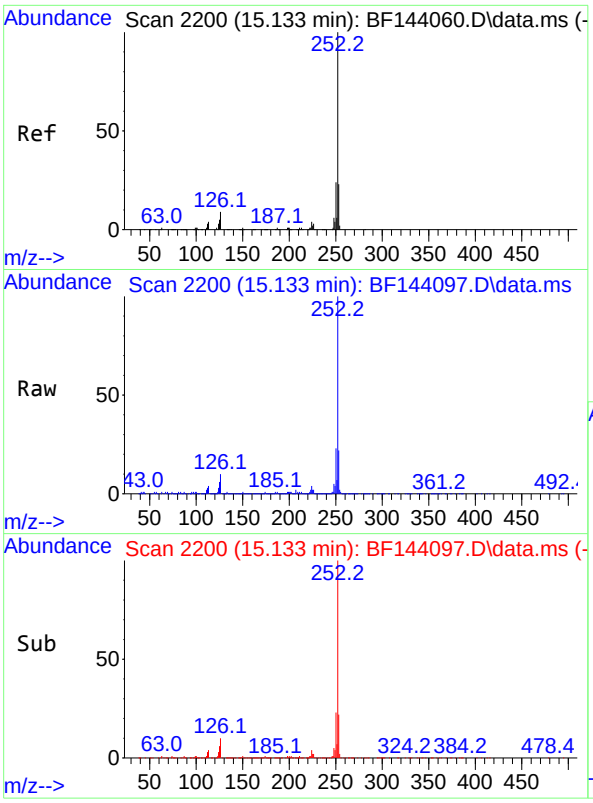


#88
Benzo(b)fluoranthene
Concen: 39.824 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



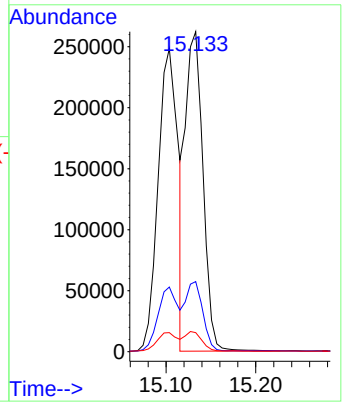


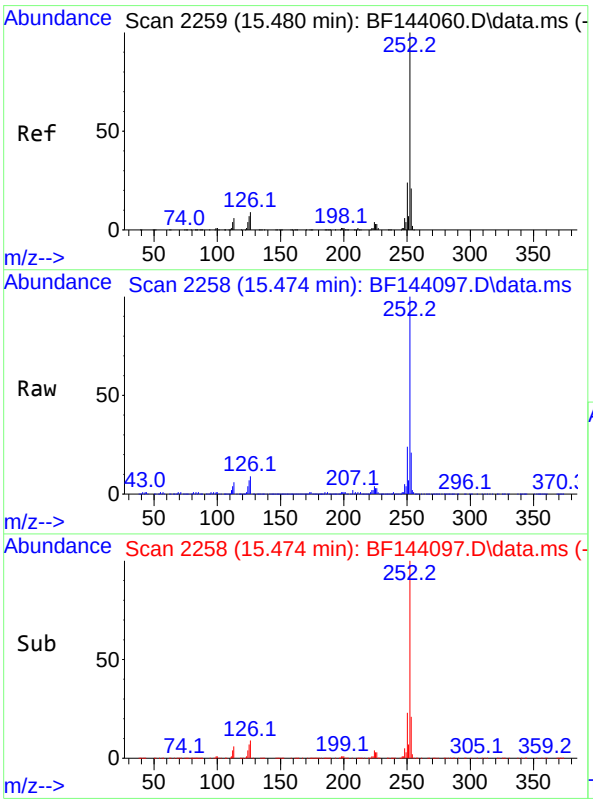
#89
Benzo(k)fluoranthene
Concen: 40.151 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

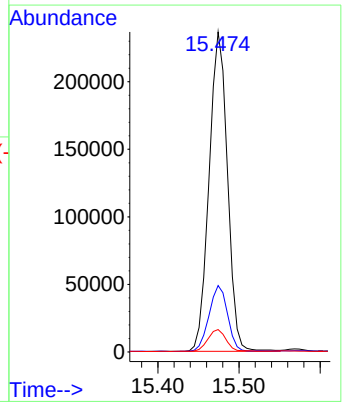


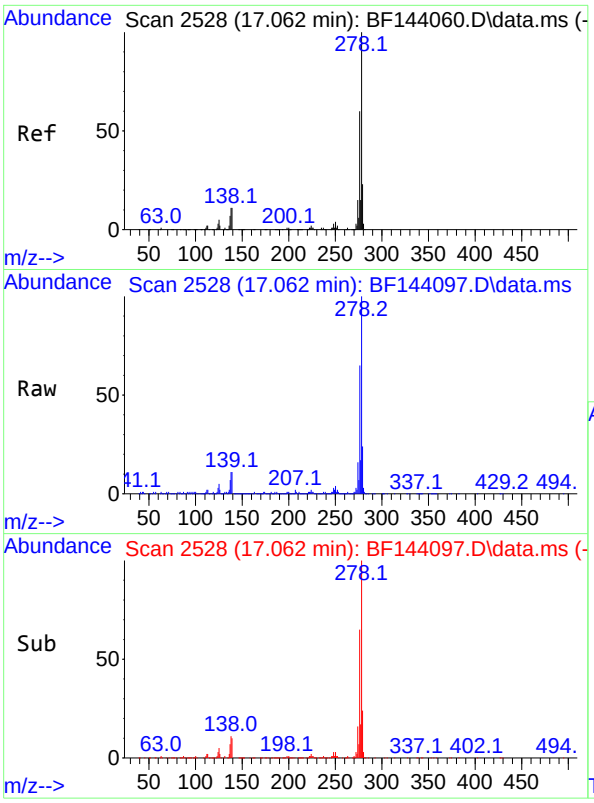


#90
Benzo(a)pyrene
Concen: 43.134 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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



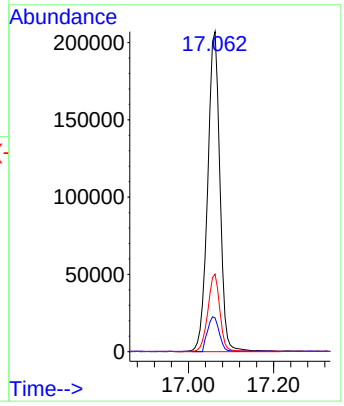


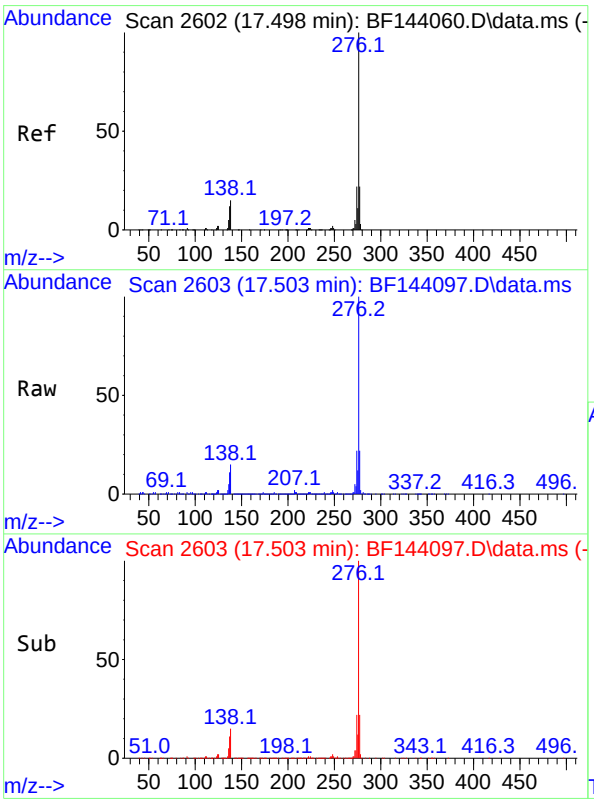
#91
Dibenzo(a,h)anthracene
Concen: 44.829 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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

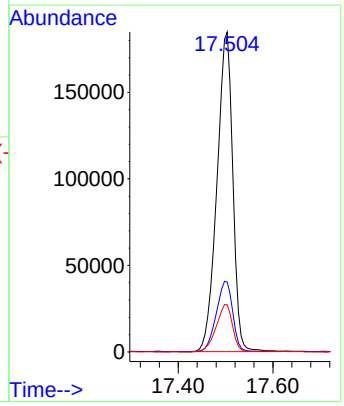




#92
Benzo(g,h,i)perylene
Concen: 46.294 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144097.D
Acq: 28 Oct 2025 13:17

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_F Calibration Date/Time: 10/29/2025 11:30

Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.462	1.578		7.9	
2-Fluorophenol	1.264	1.346		6.5	
Phenol-d6	1.396	1.460		4.6	
1,4-Dichlorobenzene	1.513	1.602		5.9	20.0
2-Methylphenol	0.957	1.014		6.0	
3+4-Methylphenols	1.132	1.224		8.1	
Nitrobenzene-d5	0.365	0.361		-1.1	
Hexachloroethane	0.541	0.545		0.7	
Nitrobenzene	0.386	0.394		2.1	
Hexachlorobutadiene	0.267	0.260		-2.6	20.0
2,4,6-Trichlorophenol	0.447	0.466		4.3	20.0
2-Fluorobiphenyl	1.421	1.368		-3.7	
2,4,5-Trichlorophenol	0.469	0.490		4.5	
2,4-Dinitrotoluene	0.350	0.369		5.4	
2,4,6-Tribromophenol	0.255	0.252		-1.2	
Hexachlorobenzene	0.307	0.310		1.0	
Pentachlorophenol	0.146	0.162		11.0	20.0
Terphenyl-d14	1.144	1.166		1.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61447	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	232371	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	124035	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	207074	20.000	ng	0.00
76) Chrysene-d12	14.057	240	153131	20.000	ng	0.00
86) Perylene-d12	15.539	264	204043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	330929	85.206	ng	0.00
7) Phenol-d6	6.504	99	358957	83.686	ng	0.00
23) Nitrobenzene-d5	7.445	82	335980	79.215	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	124844	79.017	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	678951	77.029	ng	0.00
79) Terphenyl-d14	12.992	244	714068	81.522	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.610	88	68837	41.016	ng	98
3) Pyridine	3.381	79	193889	43.152	ng	98
4) n-Nitrosodimethylamine	3.328	42	101090	36.615	ng	93
6) Aniline	6.540	93	257784	42.009	ng	99
8) 2-Chlorophenol	6.663	128	157734	41.239	ng	99
9) Benzaldehyde	6.428	77	129140	38.777	ng	98
10) Phenol	6.522	94	226466	42.796	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	163647	42.797	ng	94
12) 1,3-Dichlorobenzene	6.822	146	200122	42.415	ng	98
13) 1,4-Dichlorobenzene	6.898	146	196909	42.348	ng	98
14) 1,2-Dichlorobenzene	7.045	146	186585	41.472	ng	98
15) Benzyl Alcohol	7.022	79	144053	41.303	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	302282	42.062	ng	92
17) 2-Methylphenol	7.128	107	124615	42.361	ng	96
18) Hexachloroethane	7.392	117	66998	40.302	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	113931	41.075	ng	95
20) 3+4-Methylphenols	7.281	107	150418	43.254	ng	96
22) Acetophenone	7.287	105	199329	39.693	ng	100
24) Nitrobenzene	7.463	77	182876	40.760	ng	99
25) Isophorone	7.698	82	301404	40.647	ng	99
26) 2-Nitrophenol	7.775	139	89681	42.017	ng	98
27) 2,4-Dimethylphenol	7.810	122	134777	42.492	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	190207	41.132	ng	98
29) 2,4-Dichlorophenol	8.016	162	152408	41.318	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	155305	40.926	ng	98
31) Naphthalene	8.187	128	444899	40.566	ng	98
32) Benzoic acid	7.922	122	87292	43.387	ng	86
33) 4-Chloroaniline	8.234	127	162085	42.453	ng	96
34) Hexachlorobutadiene	8.298	225	120689	38.895	ng	99
35) Caprolactam	8.598	113	39199	42.378	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	137486	42.237	ng	96
37) 2-Methylnaphthalene	8.875	142	292579	40.463	ng	95
38) 1-Methylnaphthalene	8.975	142	278578	40.665	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	172358	40.433	ng	99
41) Hexachlorocyclopentadiene	9.028	237	44780	34.011	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	115708	41.760	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

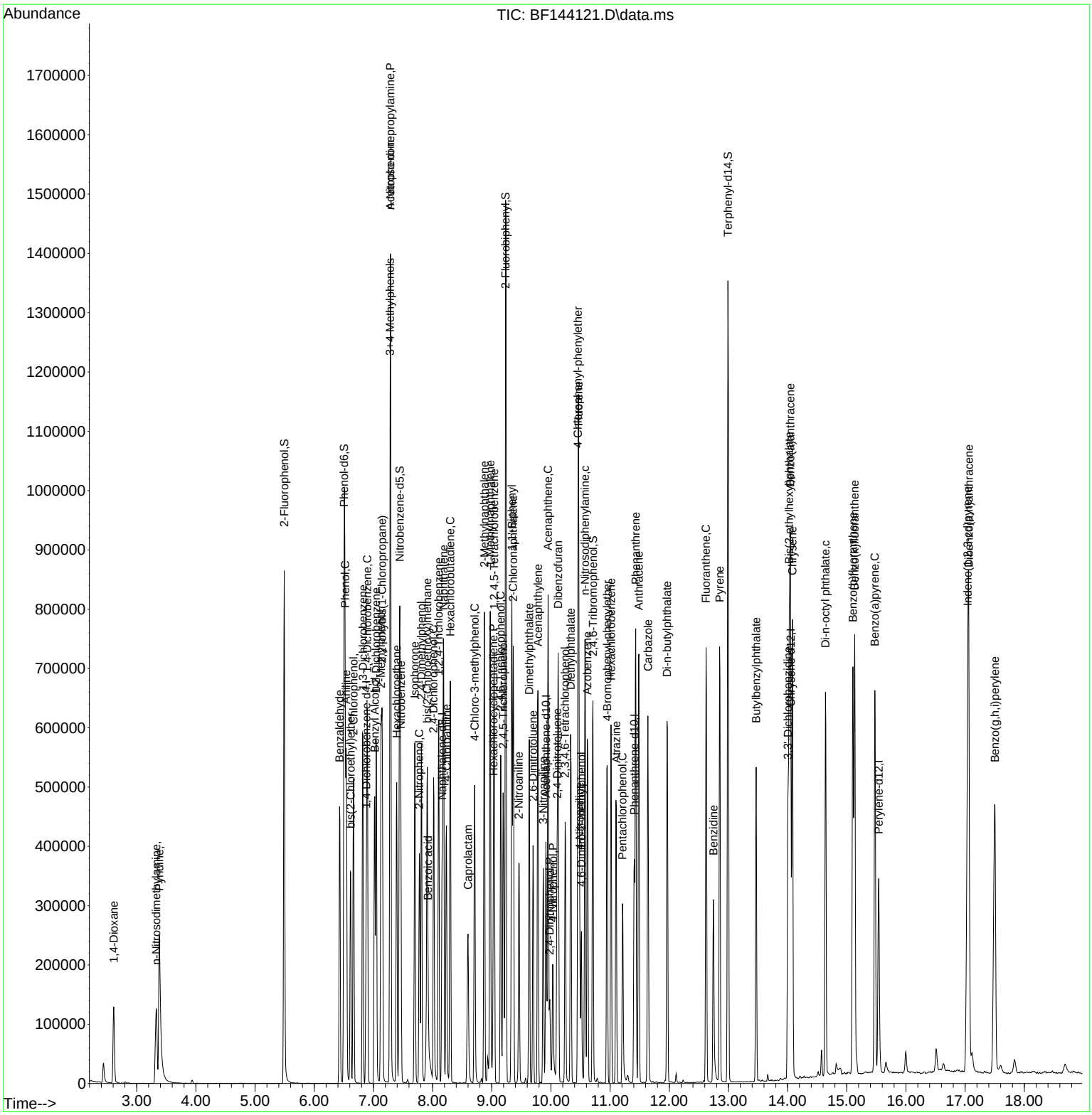
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121526	41.791	ng	96
46) 1,1'-Biphenyl	9.339	154	354773	39.957	ng	99
47) 2-Chloronaphthalene	9.363	162	307997	41.405	ng	96
48) 2-Nitroaniline	9.457	65	88438	40.037	ng	95
49) Acenaphthylene	9.781	152	416607	41.536	ng	99
50) Dimethylphthalate	9.634	163	336124	41.342	ng	99
51) 2,6-Dinitrotoluene	9.698	165	67580	42.046	ng	95
52) Acenaphthene	9.951	154	266968	39.855	ng	98
53) 3-Nitroaniline	9.869	138	77266	43.238	ng	99
54) 2,4-Dinitrophenol	9.981	184	33608	38.660	ng	90
55) Dibenzofuran	10.122	168	379280	40.786	ng	98
56) 4-Nitrophenol	10.034	139	47859	39.550	ng	89
57) 2,4-Dinitrotoluene	10.104	165	91495	42.178	ng	95
58) Fluorene	10.469	166	287737	40.609	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	87320	42.612	ng	98
60) Diethylphthalate	10.333	149	305410	39.944	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	163745	41.094	ng	96
62) 4-Nitroaniline	10.486	138	68617	40.525	ng	94
63) Azobenzene	10.616	77	289198	39.963	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	52916	39.830	ng	98
66) n-Nitrosodiphenylamine	10.575	169	277049	41.875	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109675	42.302	ng	96
68) Hexachlorobenzene	11.016	284	128445	40.395	ng	98
69) Atrazine	11.104	200	86008	39.616	ng	98
70) Pentachlorophenol	11.210	266	67248	44.431	ng	97
71) Phenanthrene	11.433	178	427157	41.526	ng	98
72) Anthracene	11.486	178	435076	40.944	ng	99
73) Carbazole	11.639	167	367780	40.663	ng	99
74) Di-n-butylphthalate	11.963	149	453989	40.941	ng	99
75) Fluoranthene	12.622	202	454294	39.974	ng	99
77) Benzidine	12.745	184	201262	42.231	ng	99
78) Pyrene	12.851	202	462034	41.969	ng	100
80) Butylbenzylphthalate	13.469	149	172222	41.351	ng	99
81) Benzo(a)anthracene	14.045	228	440710	42.586	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	159124	44.172	ng	100
83) Chrysene	14.080	228	410191	42.239	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	242344	42.623	ng	98
85) Di-n-octyl phthalate	14.639	149	446067	45.619	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	606674	43.307	ng	100
88) Benzo(b)fluoranthene	15.104	252	467688	40.544	ng	100
89) Benzo(k)fluoranthene	15.133	252	461643	43.376	ng	99
90) Benzo(a)pyrene	15.474	252	442928	42.801	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	484044	43.651	ng	100
92) Benzo(g,h,i)perylene	17.504	276	482661	43.293	ng	99

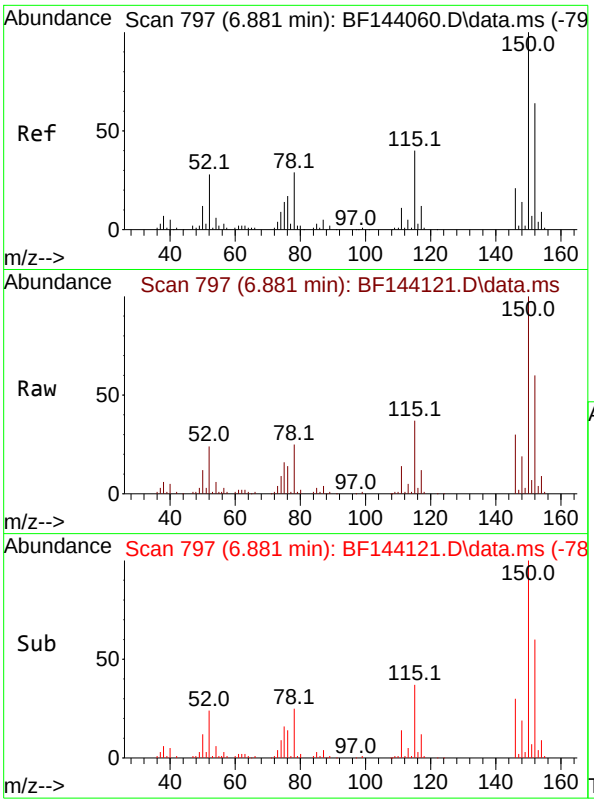
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



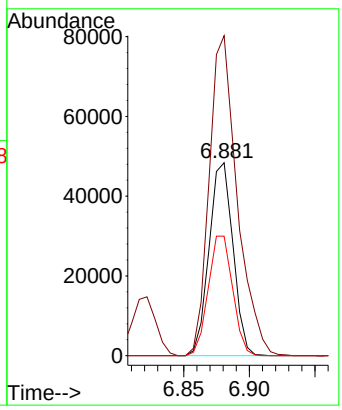


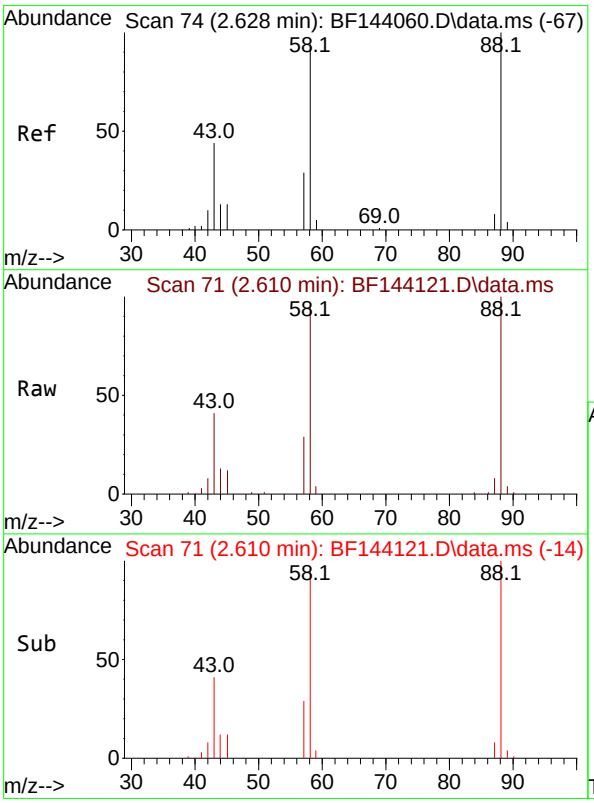
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 61447

Ion	Ratio	Lower	Upper
152	100		
150	165.8	124.4	186.6
115	61.9	49.4	74.0

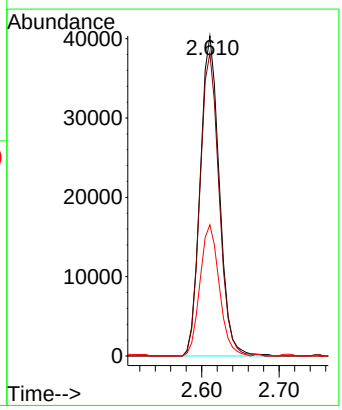


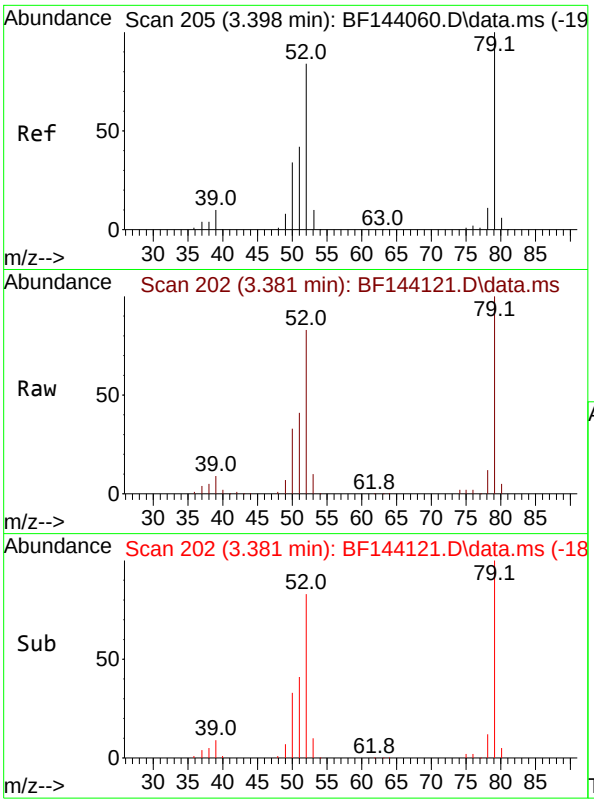


#2
1,4-Dioxane
Concen: 41.016 ng
RT: 2.610 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 88 Resp: 68837

Ion	Ratio	Lower	Upper
88	100		
58	94.6	76.5	114.7
43	41.5	35.3	52.9



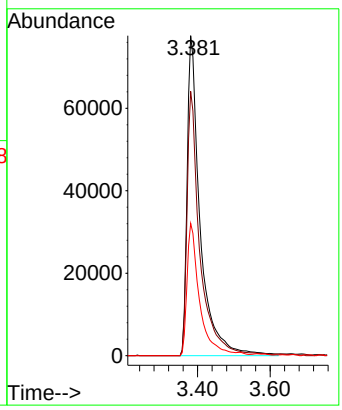


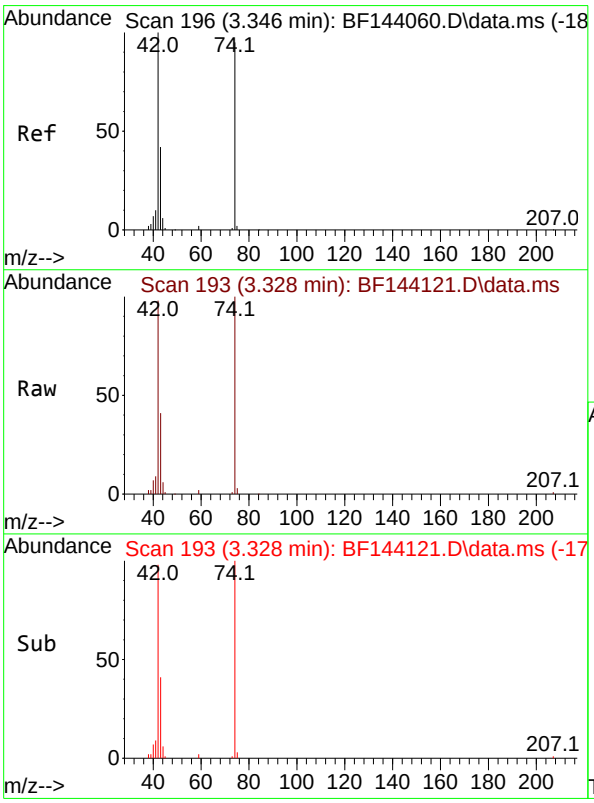
#3
Pyridine
Concen: 43.152 ng
RT: 3.381 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 193889

Ion	Ratio	Lower	Upper
79	100		
52	82.6	67.5	101.3
51	41.4	33.6	50.4

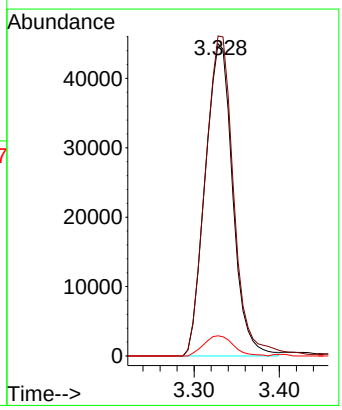


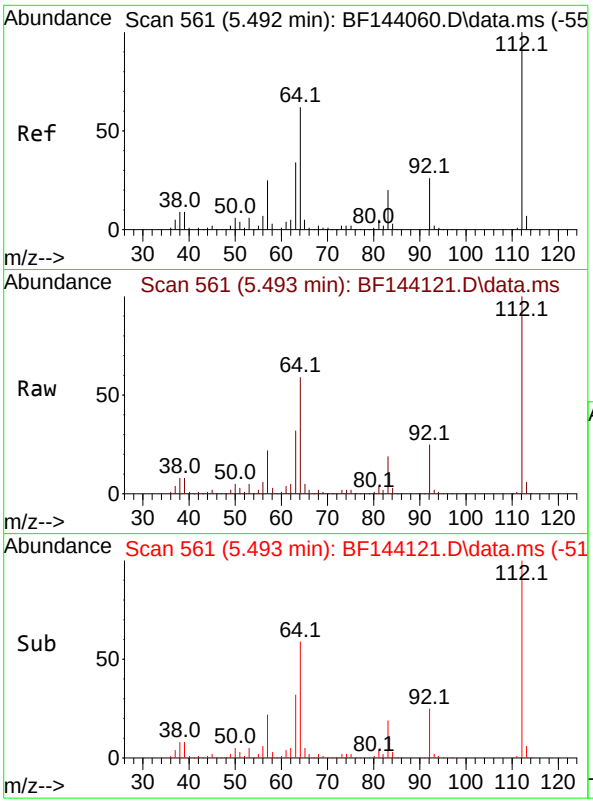


#4
n-Nitrosodimethylamine
Concen: 36.615 ng
RT: 3.328 min Scan# 193
Delta R.T. -0.017 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 42 Resp: 101090

Ion	Ratio	Lower	Upper
42	100		
74	102.5	76.4	114.6
44	6.5	5.2	7.8



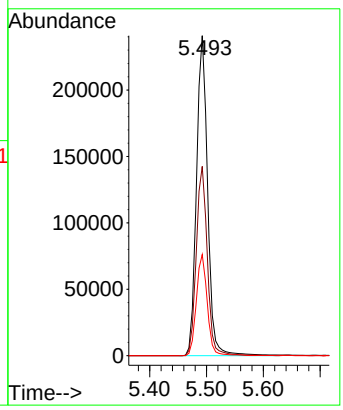


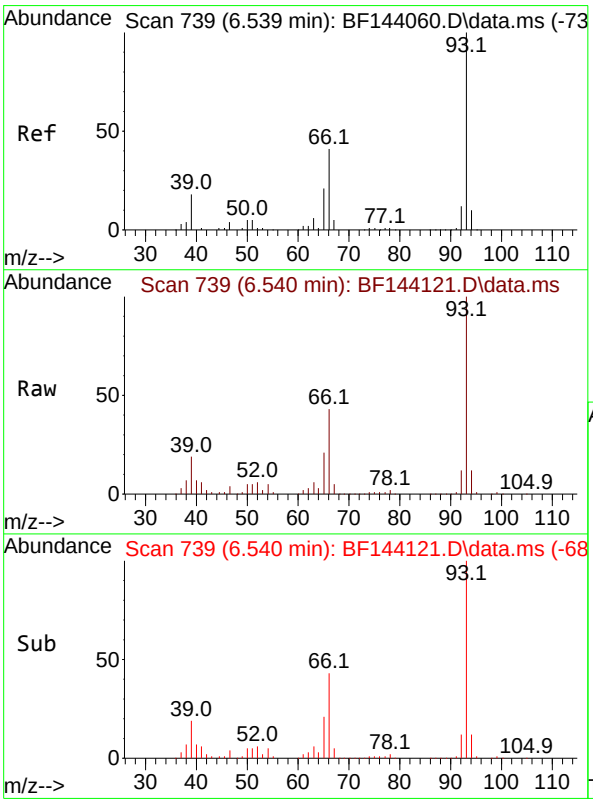
#5
2-Fluorophenol
Concen: 85.206 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 330929

Ion	Ratio	Lower	Upper
112	100		
64	59.1	49.8	74.8
63	31.6	27.4	41.2

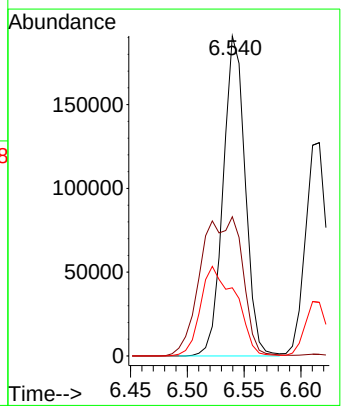


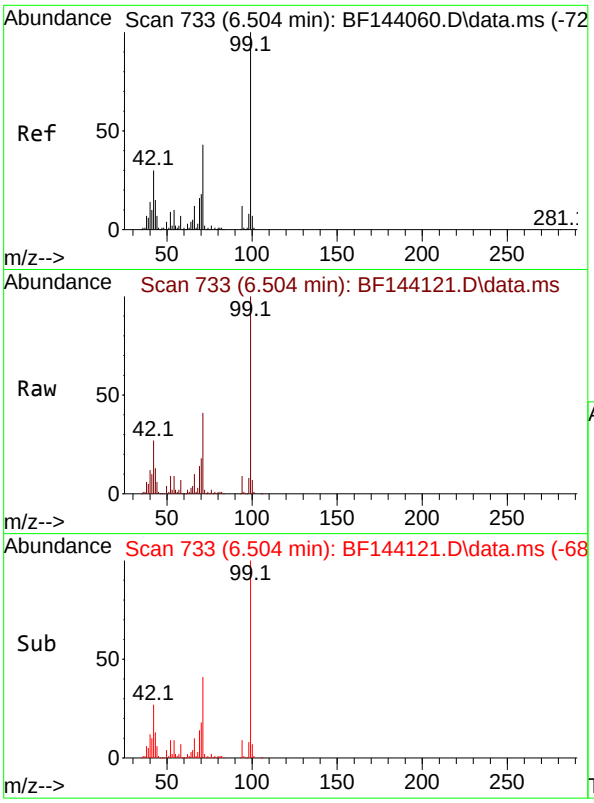


#6
Aniline
Concen: 42.009 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 93 Resp: 257784

Ion	Ratio	Lower	Upper
93	100		
66	43.5	35.7	53.5
65	21.3	17.0	25.6



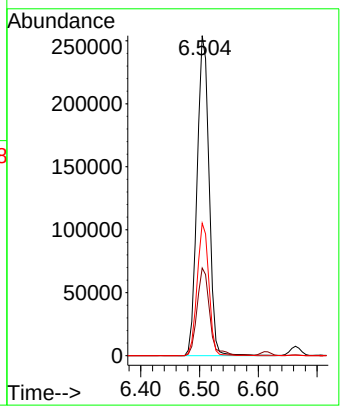


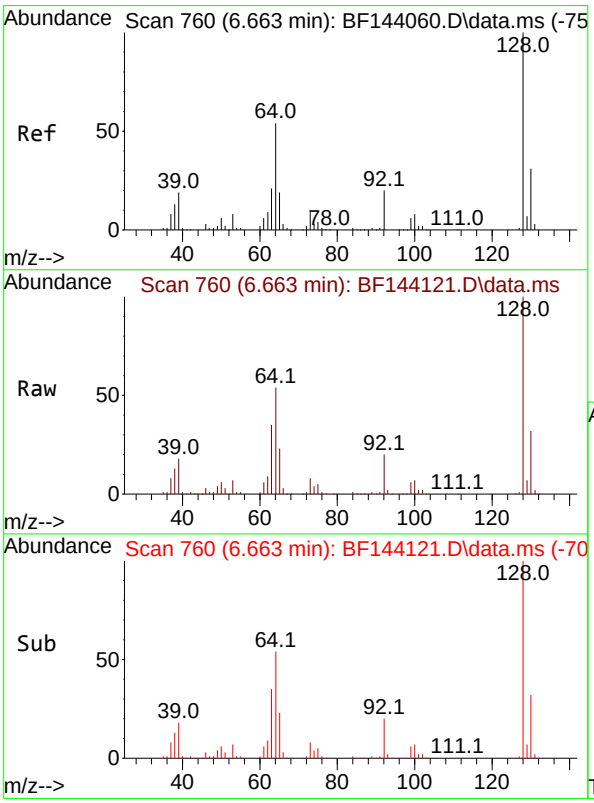
#7
Phenol-d6
Concen: 83.686 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 358957

Ion	Ratio	Lower	Upper
99	100		
42	27.4	23.9	35.9
71	41.4	34.4	51.6

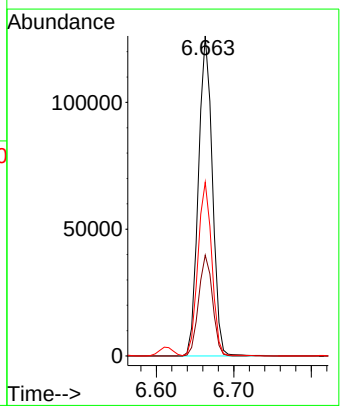


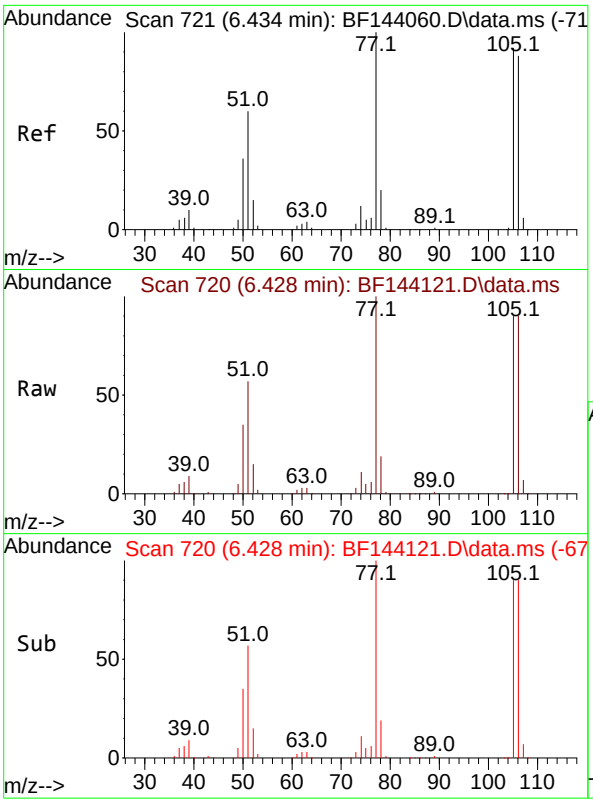


#8
2-Chlorophenol
Concen: 41.239 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:128 Resp: 157734

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.7	50.7
64	54.3	34.7	74.7



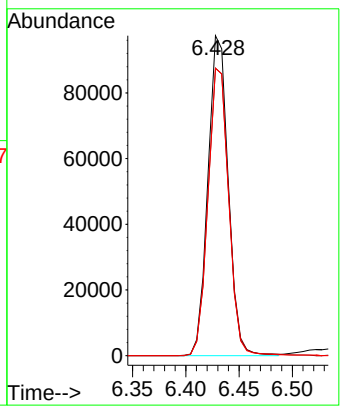


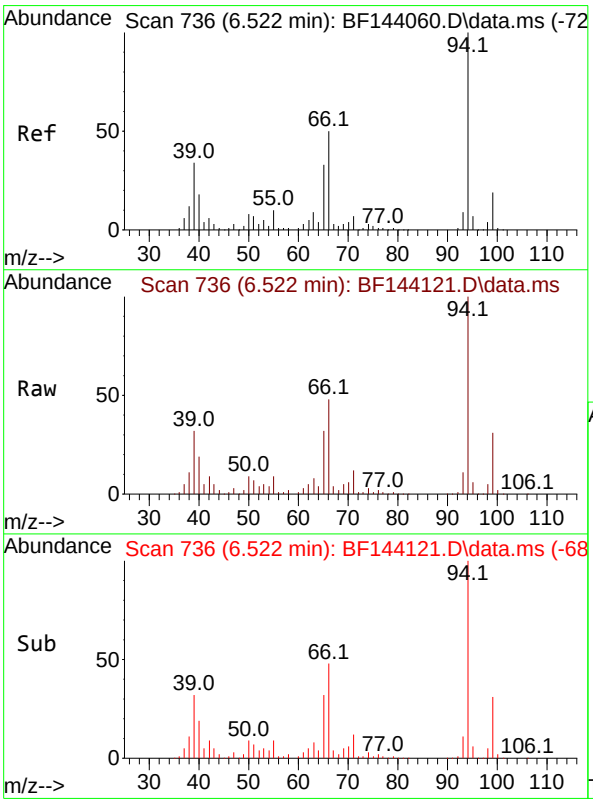
#9
Benzaldehyde
Concen: 38.777 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 129140

Ion	Ratio	Lower	Upper
77	100		
105	89.9	72.2	112.2
106	89.8	67.9	107.9

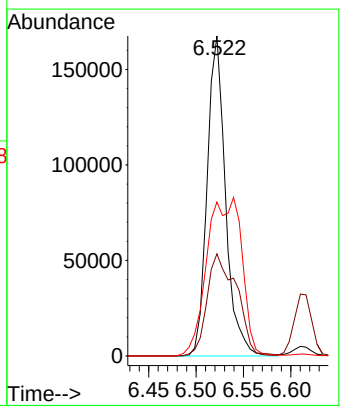


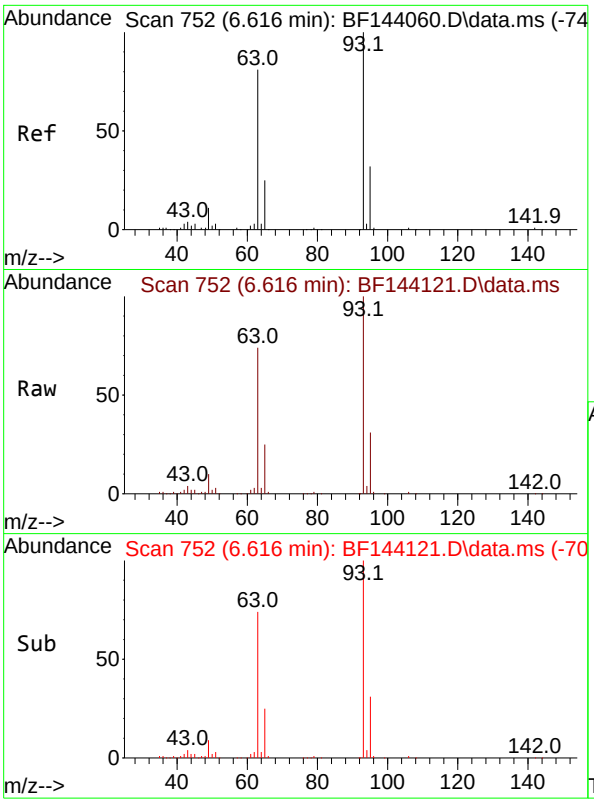


#10
Phenol
Concen: 42.796 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 94 Resp: 226466

Ion	Ratio	Lower	Upper
94	100		
65	31.9	13.1	53.1
66	48.1	30.6	70.6



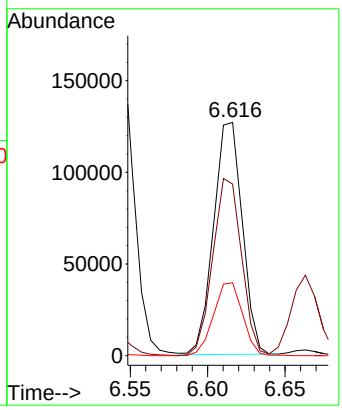


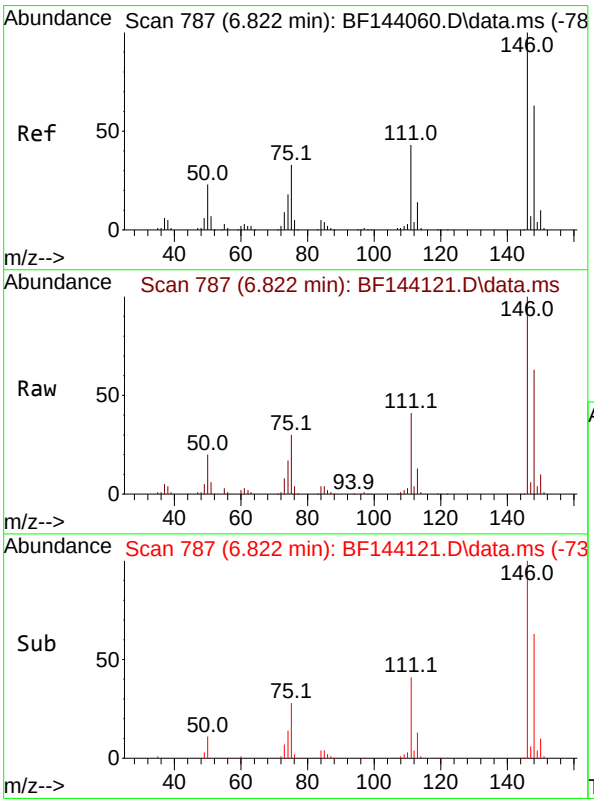
#11
bis(2-Chloroethyl)ether
Concen: 42.797 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 163647

Ion	Ratio	Lower	Upper
93	100		
63	73.6	60.2	100.2
95	31.3	12.4	52.4

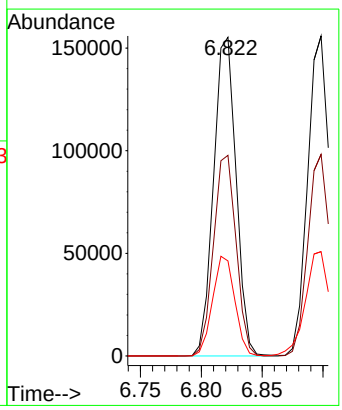


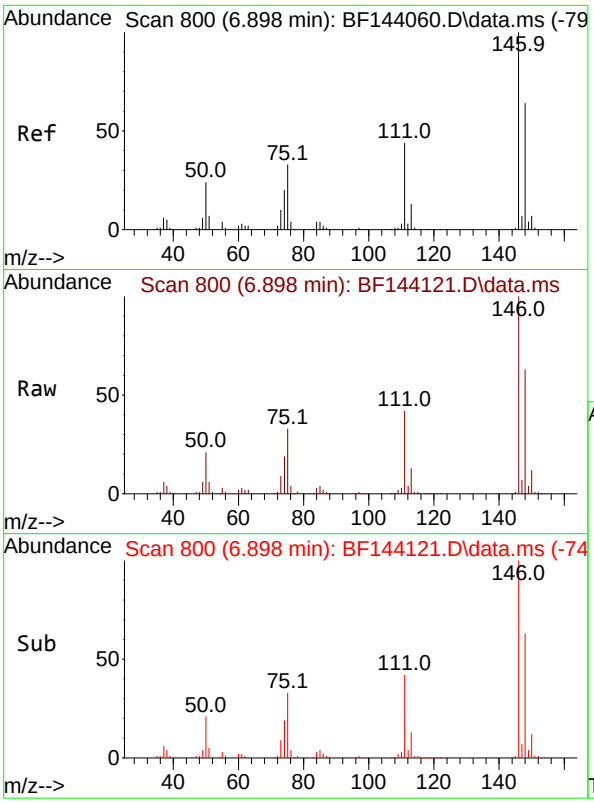


#12
1,3-Dichlorobenzene
Concen: 42.415 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:146 Resp: 200122

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	75.8
75	29.8	26.6	40.0



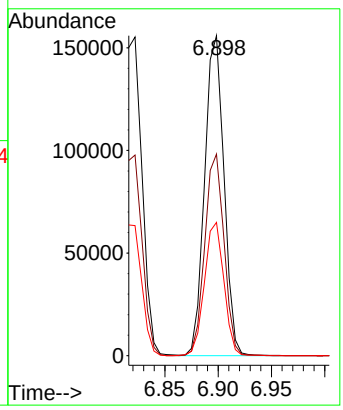


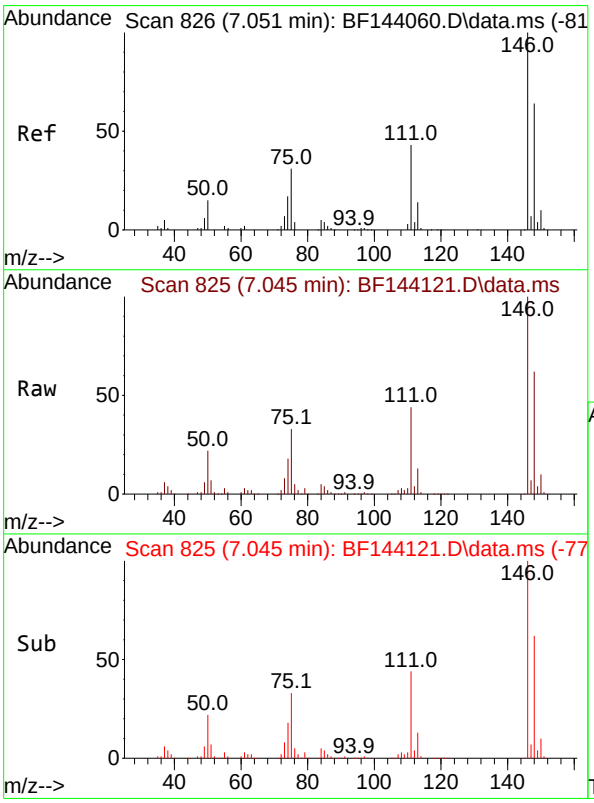
#13
1,4-Dichlorobenzene
Concen: 42.348 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 196909

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.6
111	41.6	35.0	52.6

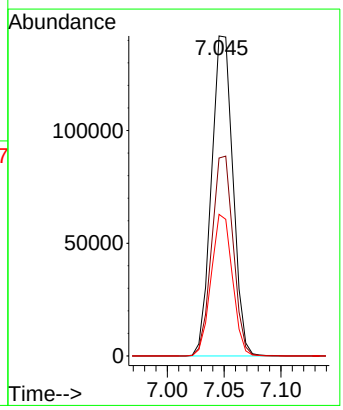


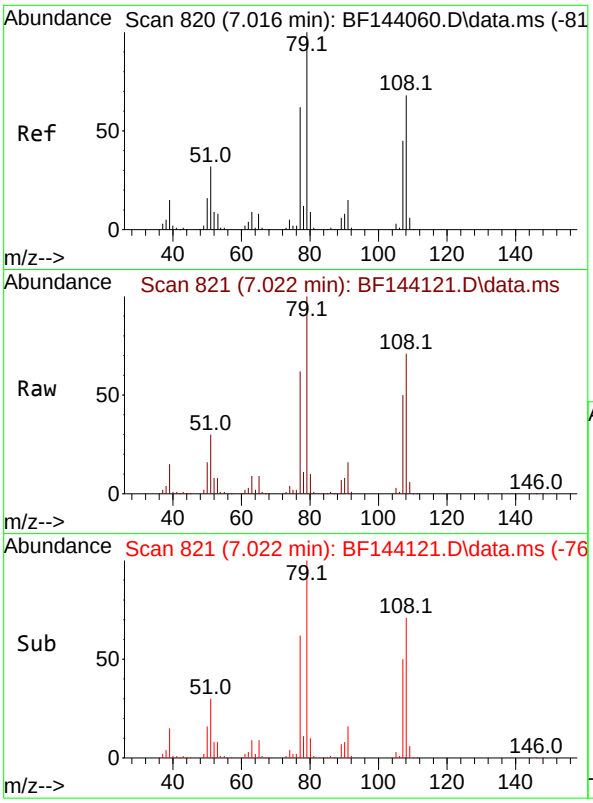


#14
1,2-Dichlorobenzene
Concen: 41.472 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:146 Resp: 186585

Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.8	76.2
111	44.3	34.7	52.1



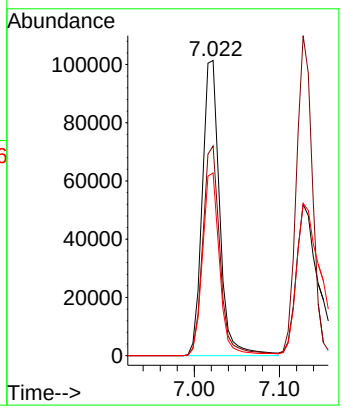


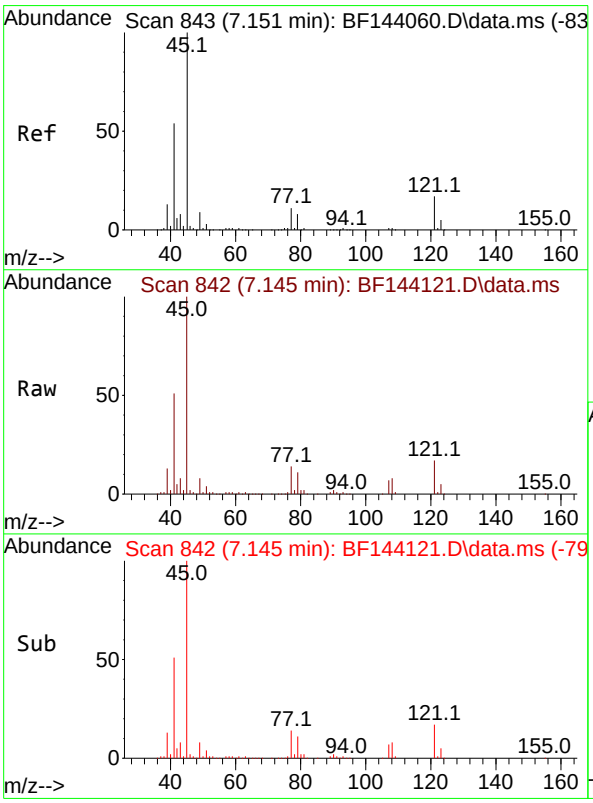
#15
Benzyl Alcohol
Concen: 41.303 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 144053

Ion	Ratio	Lower	Upper
79	100		
108	71.1	54.8	82.2
77	61.9	49.4	74.0

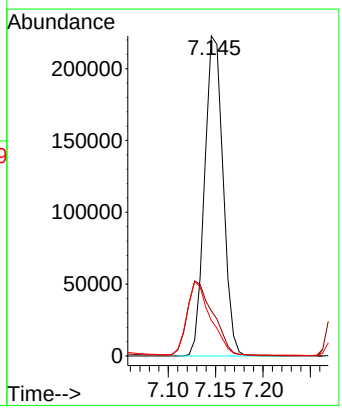


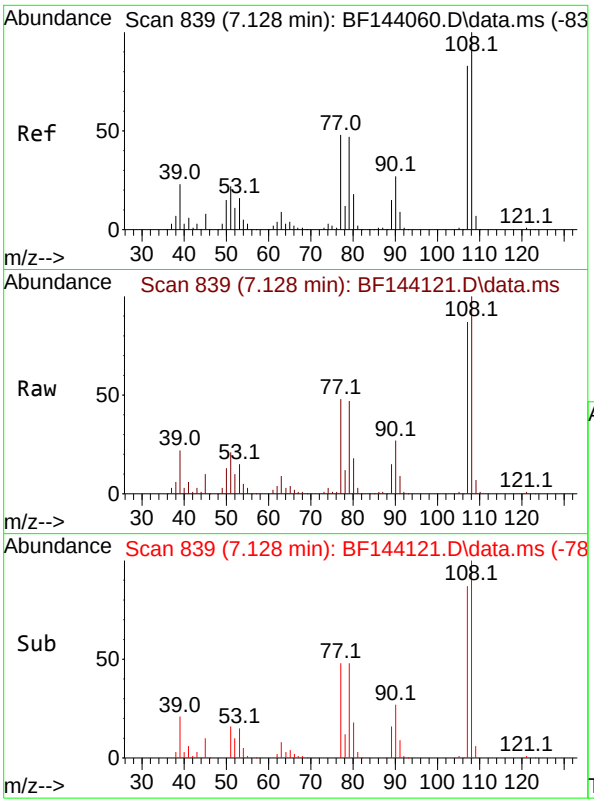


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.062 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 45 Resp: 302282

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	30.9
79	11.1	0.0	28.2



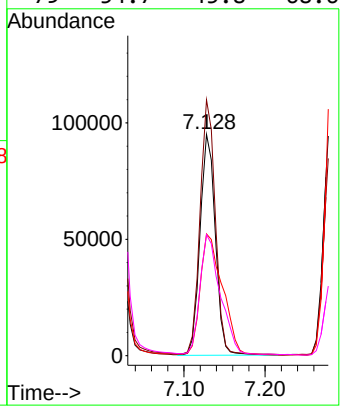


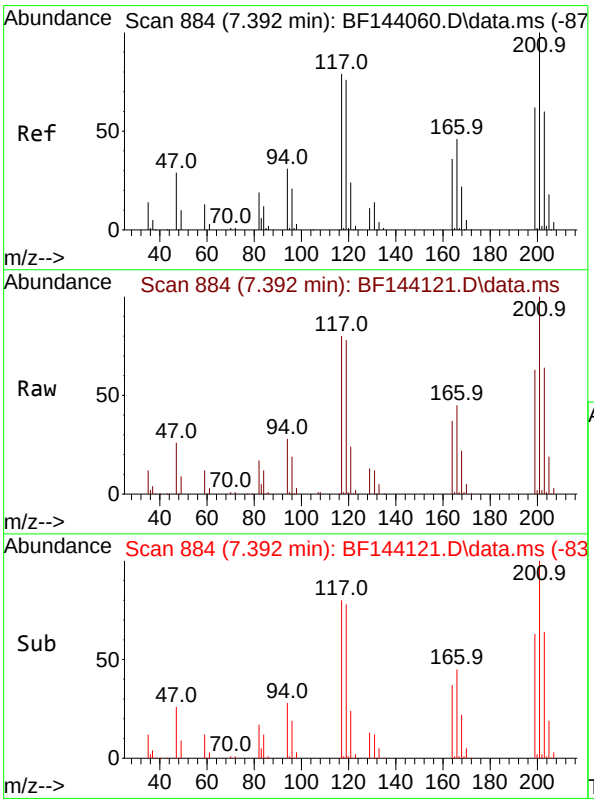
#17
2-Methylphenol
Concen: 42.361 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 124615

Ion	Ratio	Lower	Upper
107	100		
108	115.6	96.4	144.6
77	55.0	46.8	70.2
79	54.7	45.8	68.6

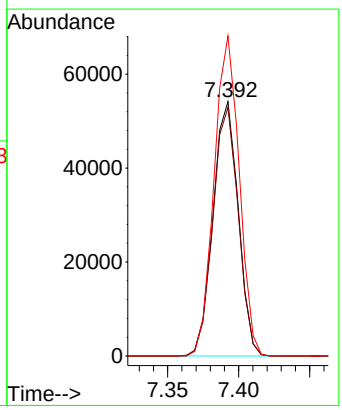


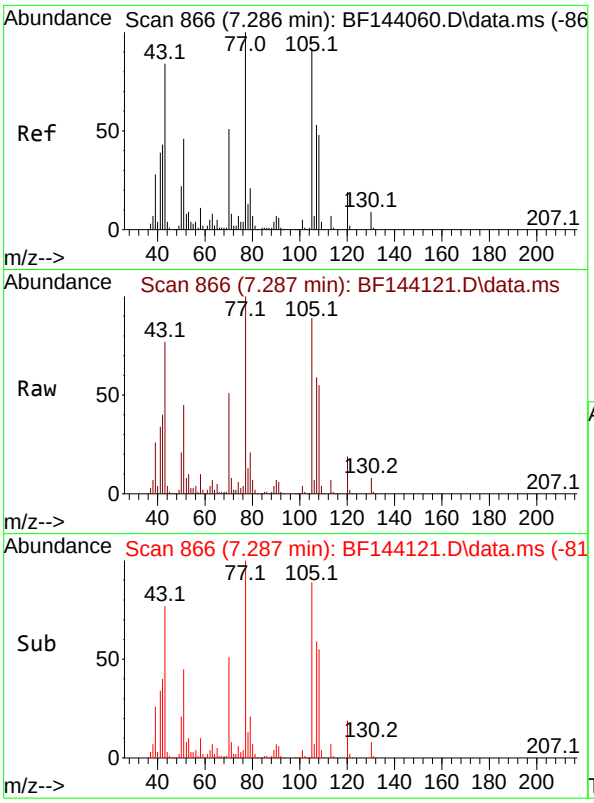


#18
Hexachloroethane
Concen: 40.302 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:117 Resp: 66998

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	115.0
201	125.8	100.9	151.3



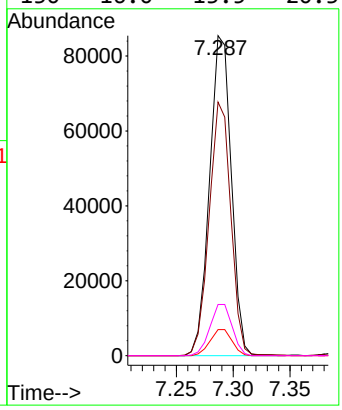


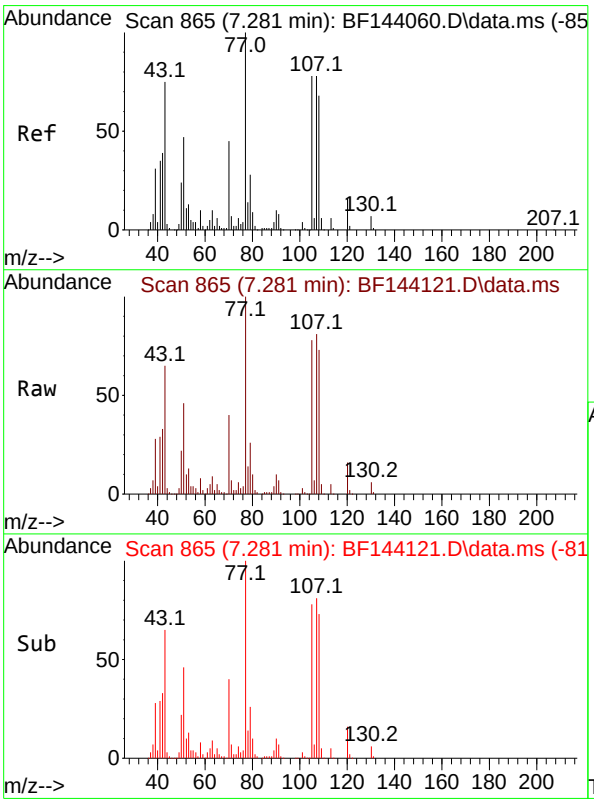
#19
n-Nitroso-di-n-propylamine
Concen: 41.075 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 113931

Ion	Ratio	Lower	Upper
70	100		
42	79.3	67.4	101.0
101	8.1	7.1	10.7
130	16.0	13.5	20.3

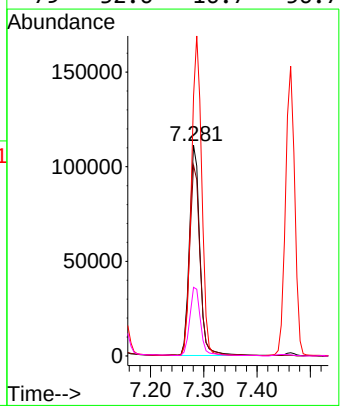


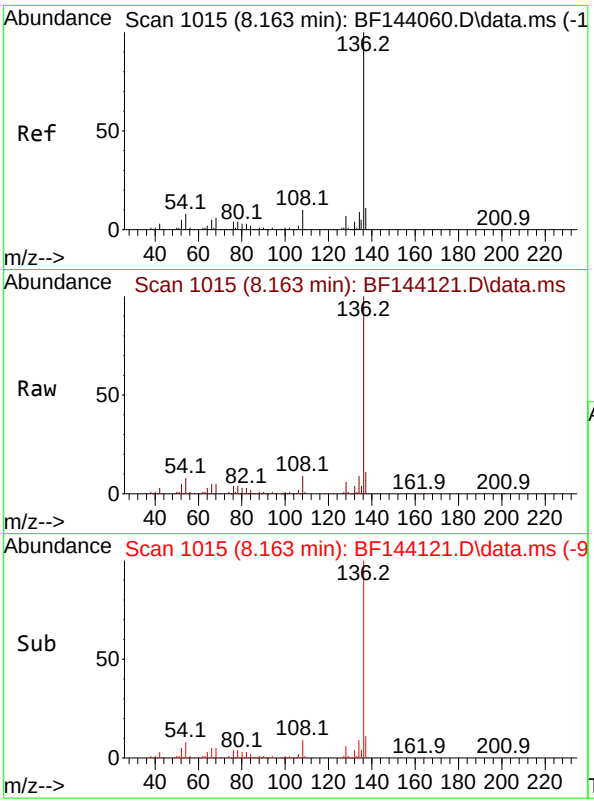


#20
3+4-Methylphenols
Concen: 43.254 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:107 Resp: 150418

Ion	Ratio	Lower	Upper
107	100		
108	90.5	68.0	108.0
77	123.6	108.7	148.7
79	32.6	16.7	56.7



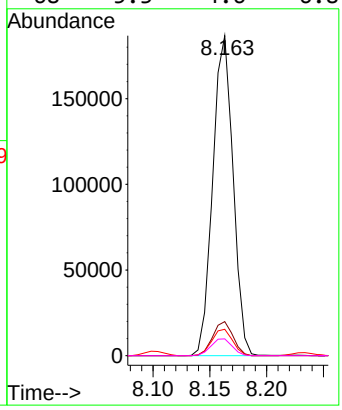


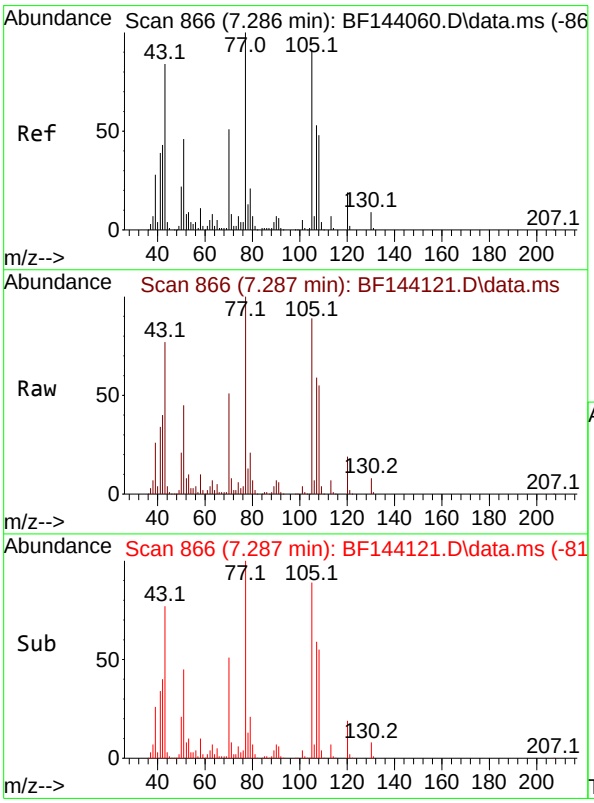
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 232371

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.3	6.6	9.8
68	5.3	4.6	6.8

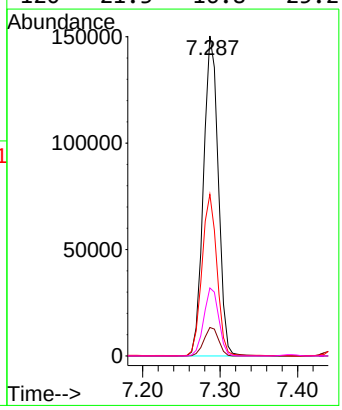


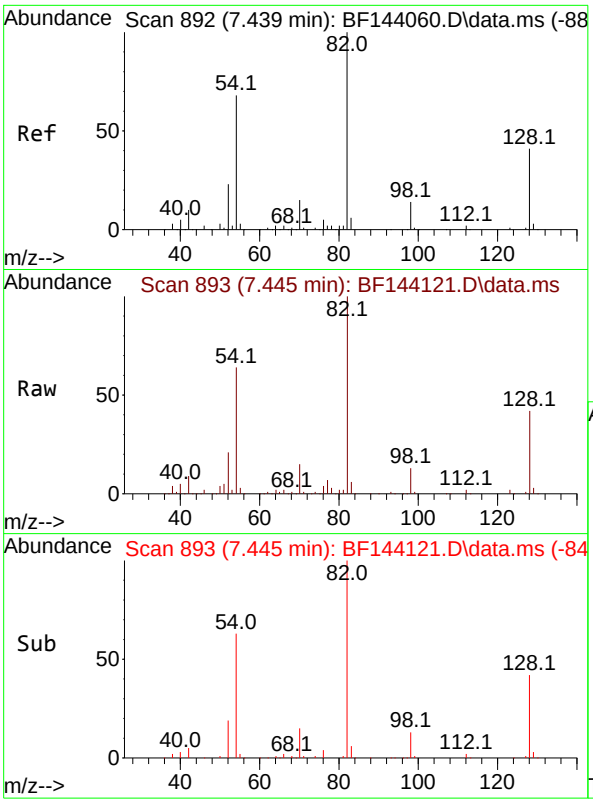


#22
Acetophenone
Concen: 39.693 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:105 Resp: 199329

Ion	Ratio	Lower	Upper
105	100		
71	8.9	6.9	10.3
51	50.5	40.6	60.8
120	21.3	16.8	25.2



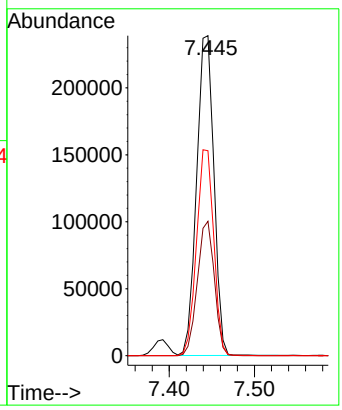


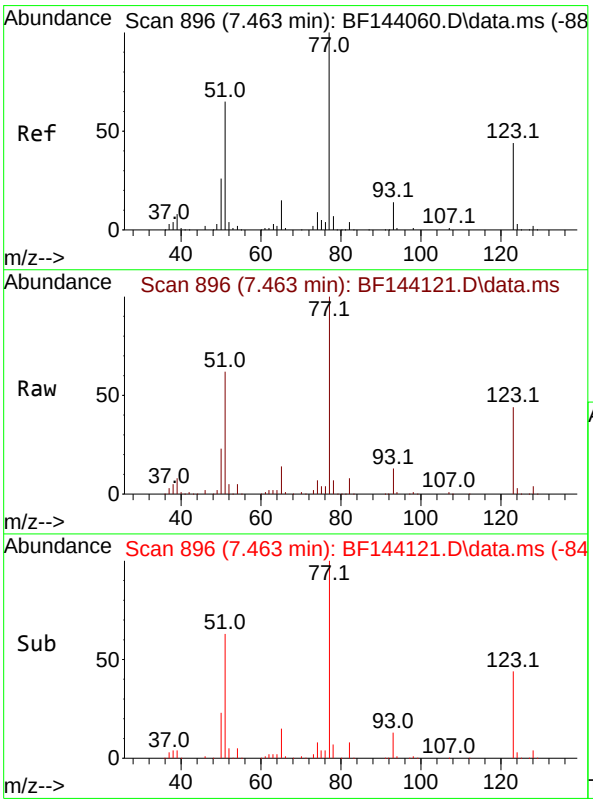
#23
Nitrobenzene-d5
Concen: 79.215 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 335980

Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.4	48.6
54	64.0	54.0	81.0

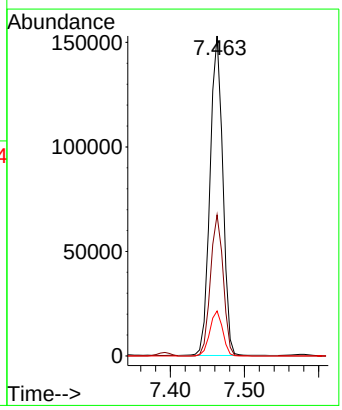


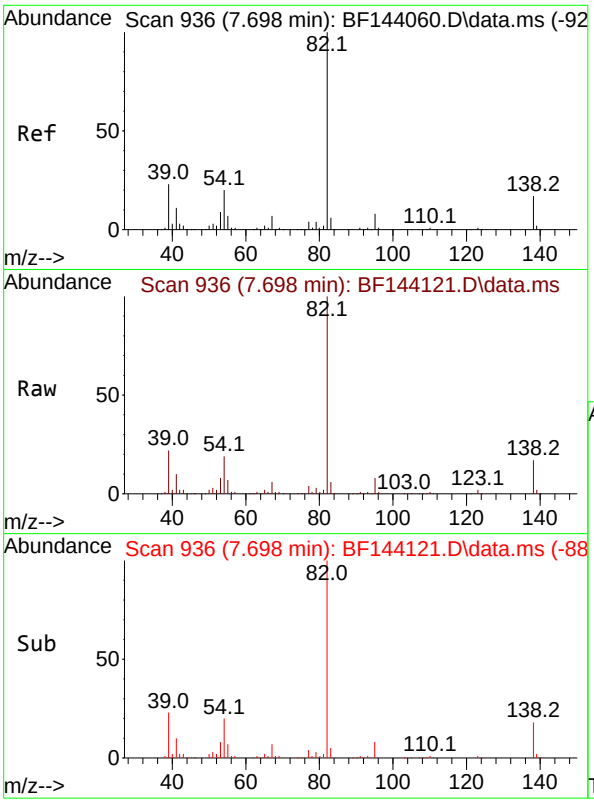


#24
Nitrobenzene
Concen: 40.760 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 77 Resp: 182876

Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.0	52.6
65	14.1	12.2	18.2



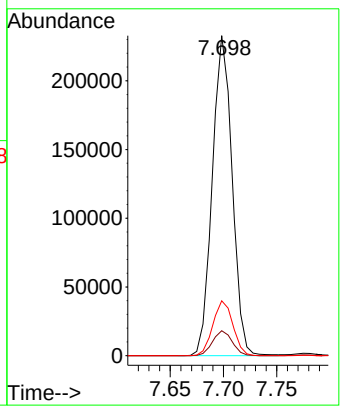


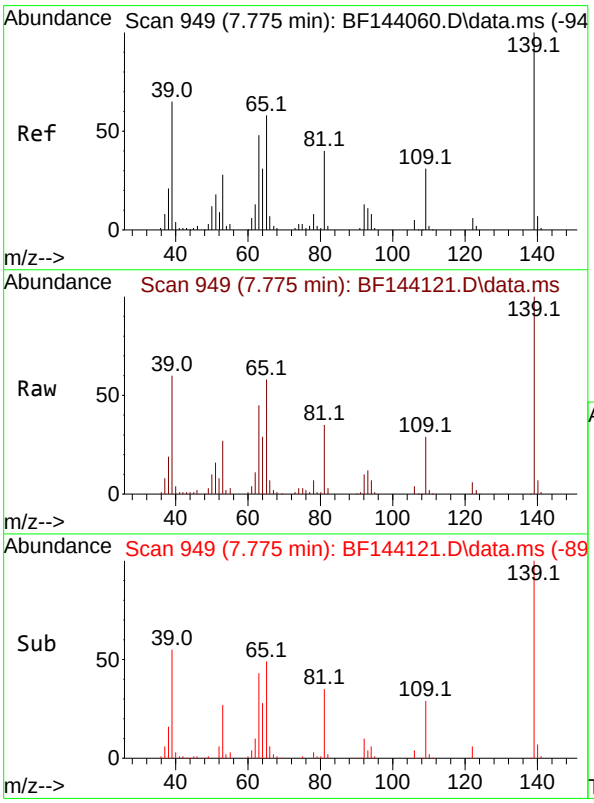
#25
Isophorone
Concen: 40.647 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 301404

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.6	9.8
138	17.1	13.8	20.8

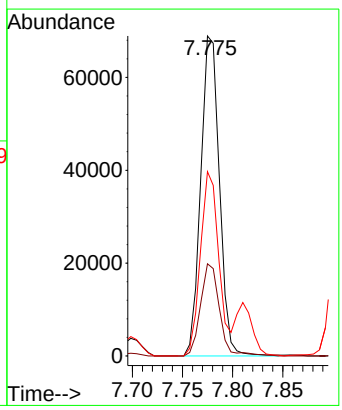


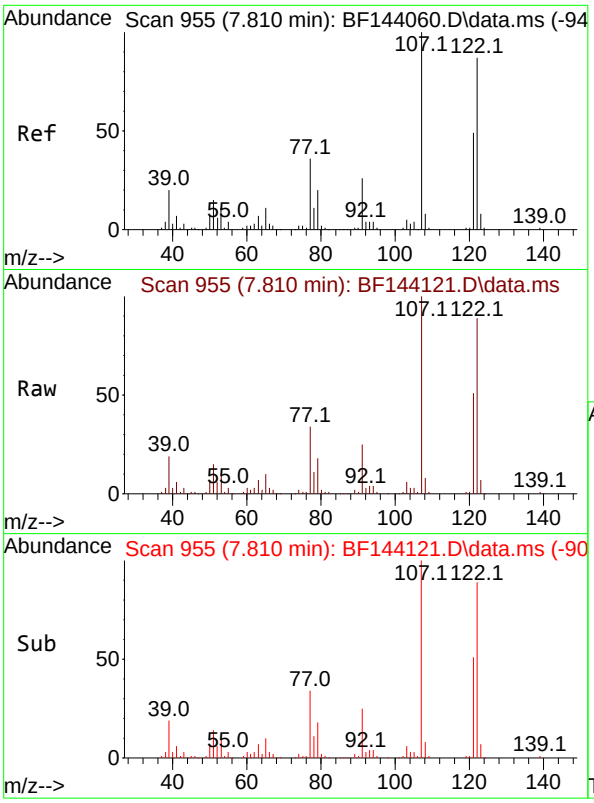


#26
2-Nitrophenol
Concen: 42.017 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:139 Resp: 89681

Ion	Ratio	Lower	Upper
139	100		
109	28.8	24.6	37.0
65	57.6	46.6	69.8



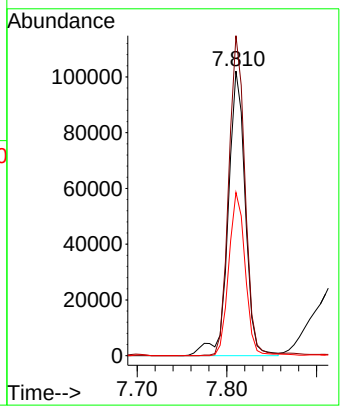


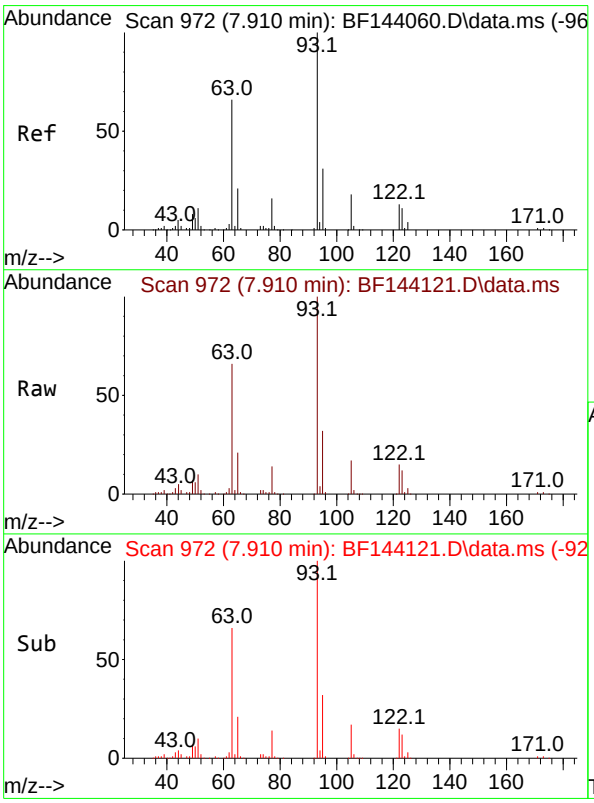
#27
2,4-Dimethylphenol
Concen: 42.492 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 134777

Ion	Ratio	Lower	Upper
122	100		
107	112.4	91.8	137.8
121	57.3	45.2	67.8

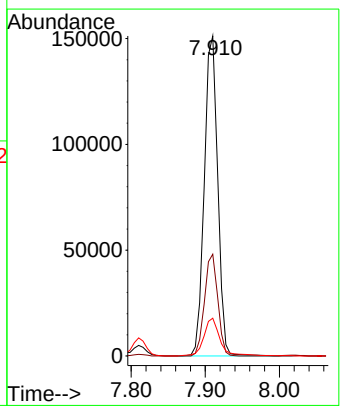


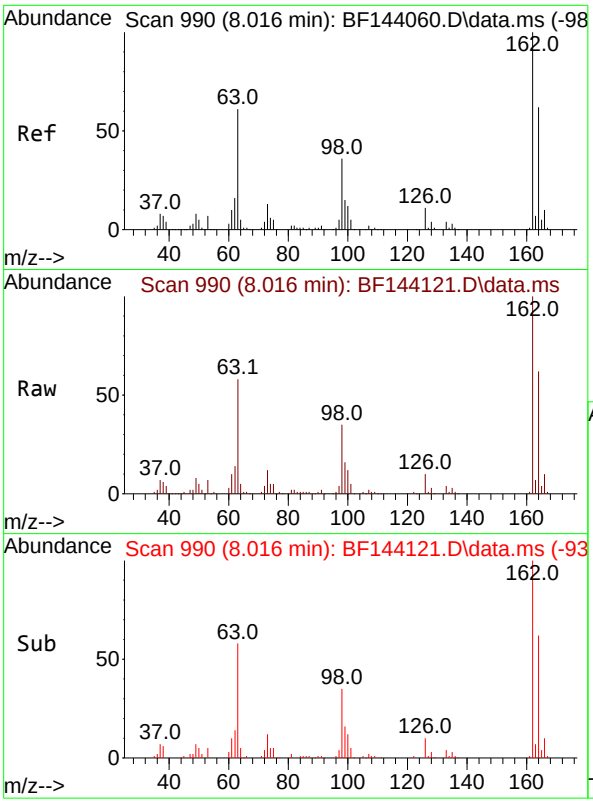


#28
bis(2-Chloroethoxy)methane
Concen: 41.132 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 93 Resp: 190207

Ion	Ratio	Lower	Upper
93	100		
95	31.8	24.6	36.8
123	11.8	9.1	13.7



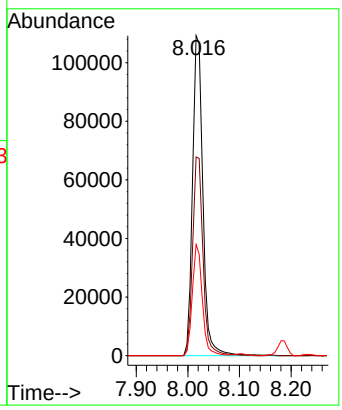


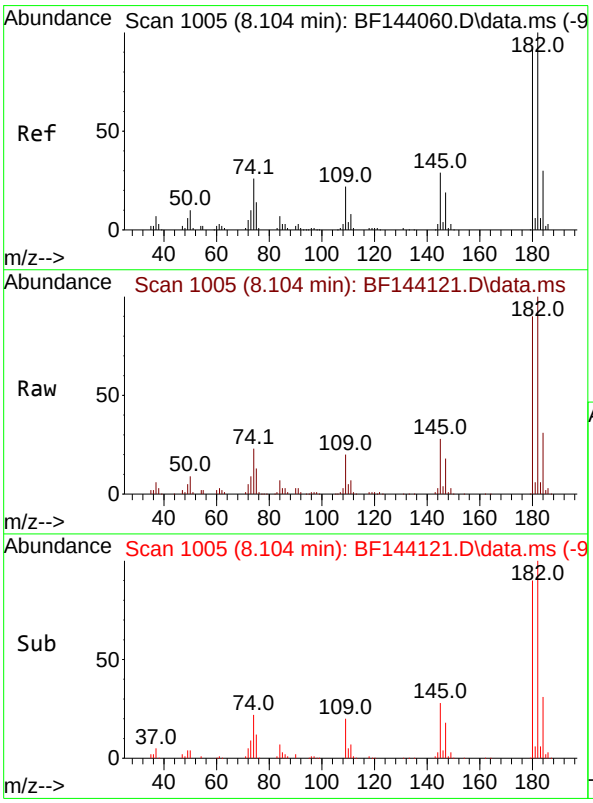
#29
2,4-Dichlorophenol
Concen: 41.318 ng
RT: 8.016 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 152408

Ion	Ratio	Lower	Upper
162	100		
164	62.1	42.1	82.1
98	34.7	16.0	56.0

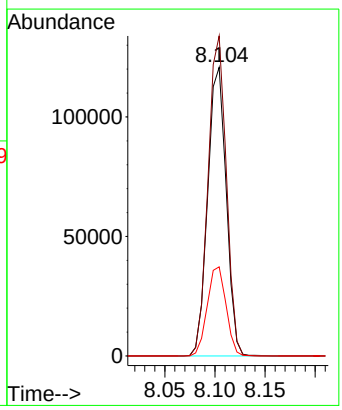


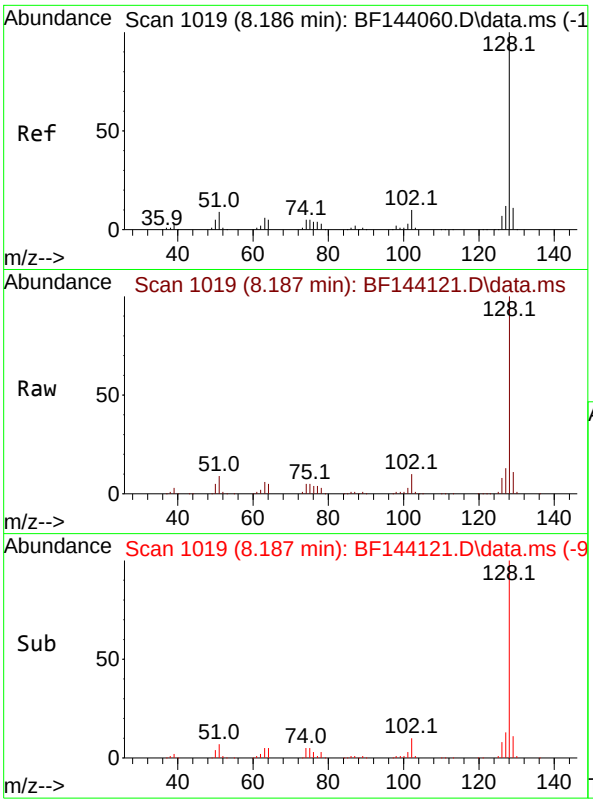


#30
1,2,4-Trichlorobenzene
Concen: 40.926 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:180 Resp: 155305

Ion	Ratio	Lower	Upper
180	100		
182	110.8	87.1	130.7
145	30.9	25.3	37.9



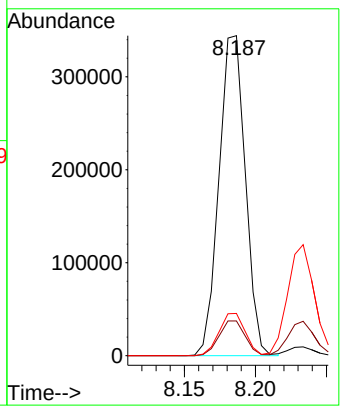


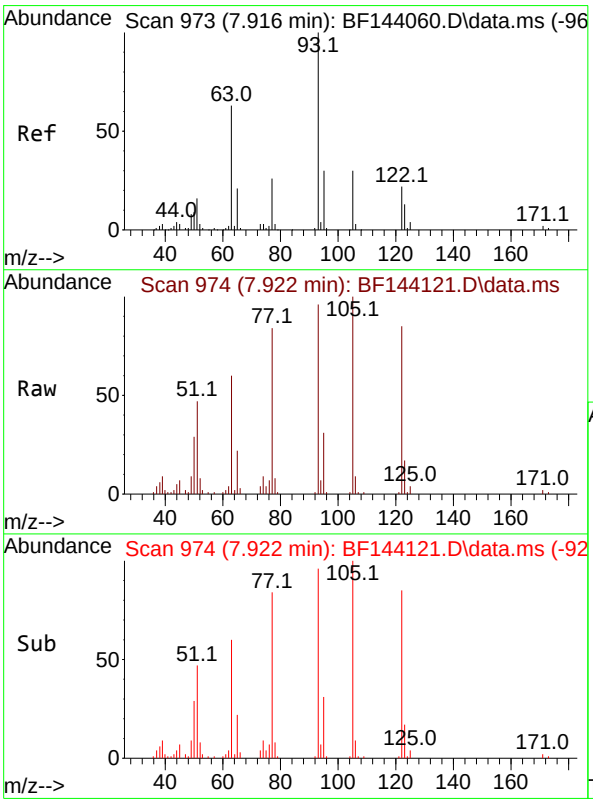
#31
Naphthalene
Concen: 40.566 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 444899

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.2	9.9	14.9

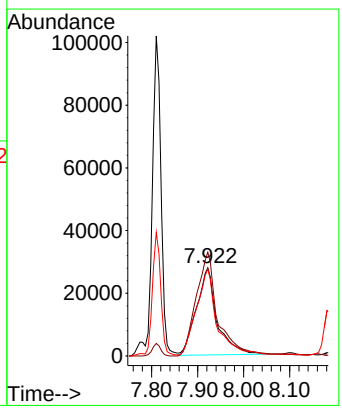


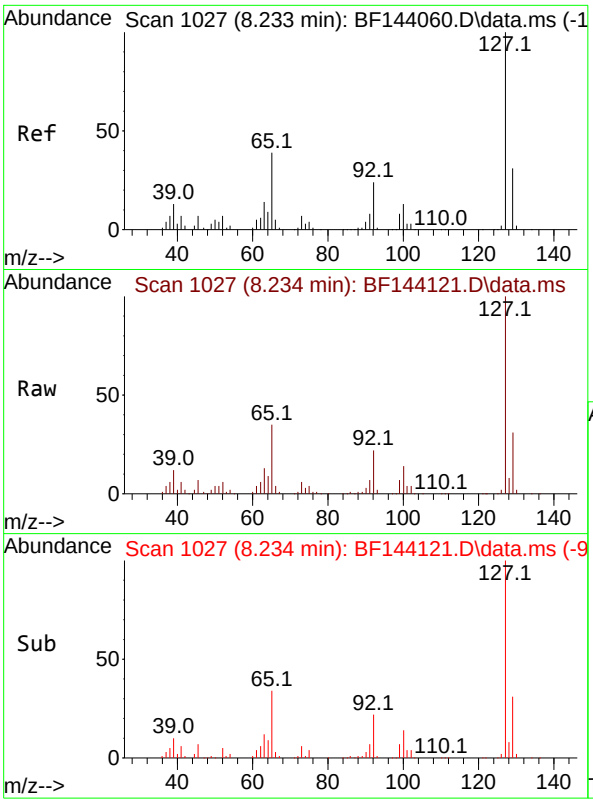


#32
Benzoic acid
Concen: 43.387 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:122 Resp: 87292

Ion	Ratio	Lower	Upper
122	100		
105	117.6	111.3	151.3
77	98.7	96.7	136.7



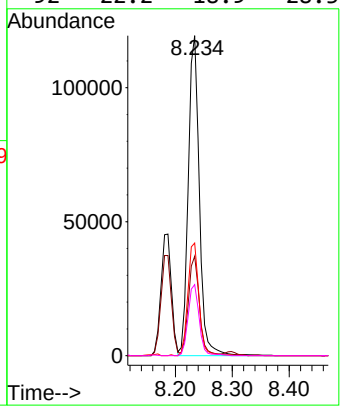


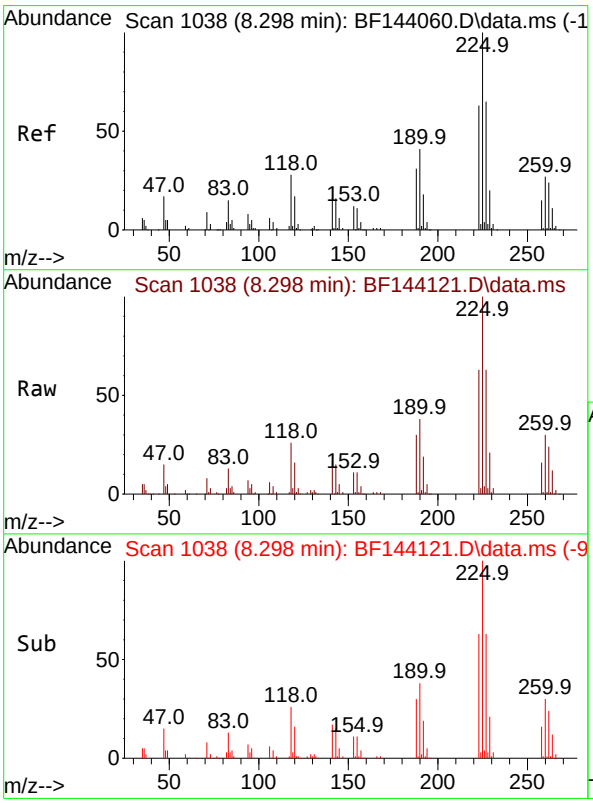
#33
4-Chloroaniline
Concen: 42.453 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 162085

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.6	38.4
65	35.2	30.9	46.3
92	22.2	18.9	28.3

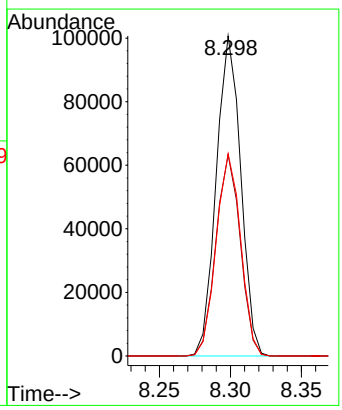


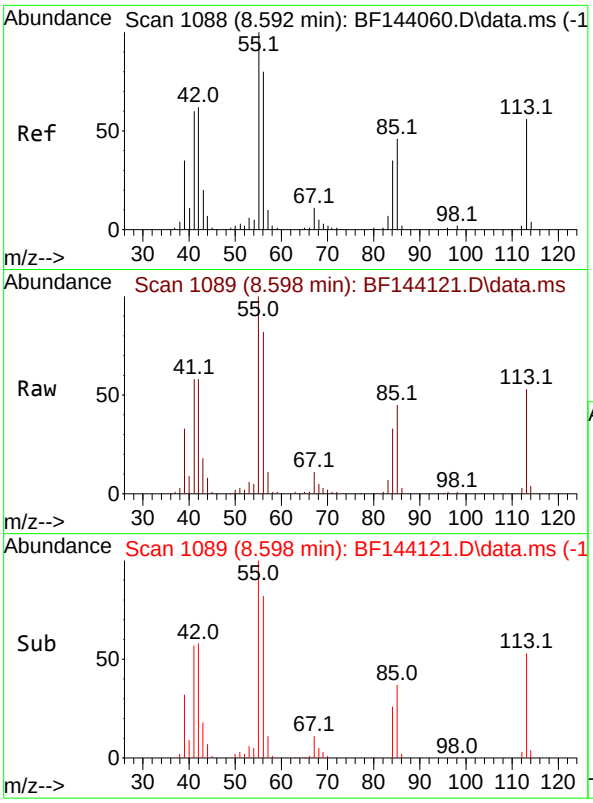


#34
Hexachlorobutadiene
Concen: 38.895 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:225 Resp: 120689

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.2	51.8	77.8



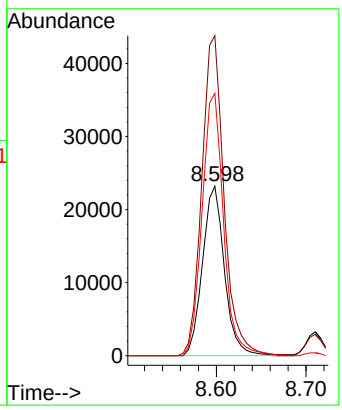


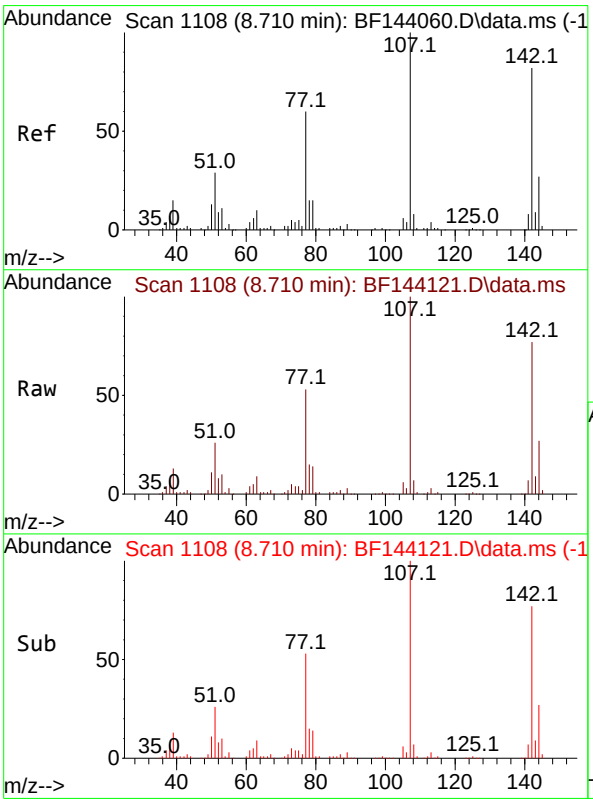
#35
Caprolactam
Concen: 42.378 ng
RT: 8.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 39199

Ion	Ratio	Lower	Upper
113	100		
55	188.9	160.1	200.1
56	154.9	124.9	164.9

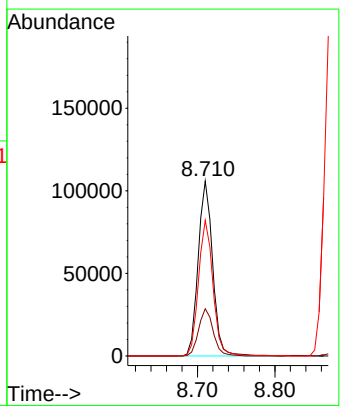


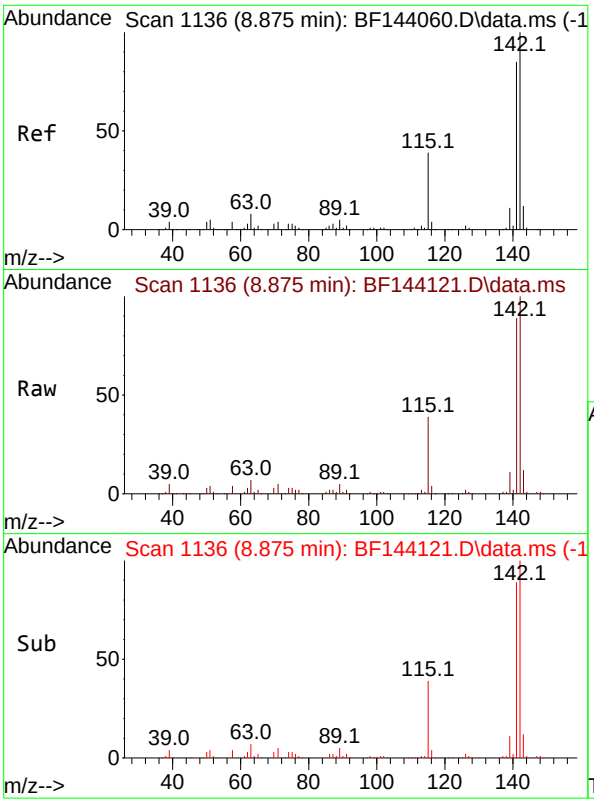


#36
4-Chloro-3-methylphenol
Concen: 42.237 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:107 Resp: 137486

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.6	32.4
142	77.5	65.4	98.0



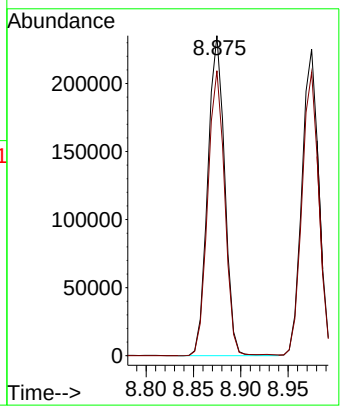


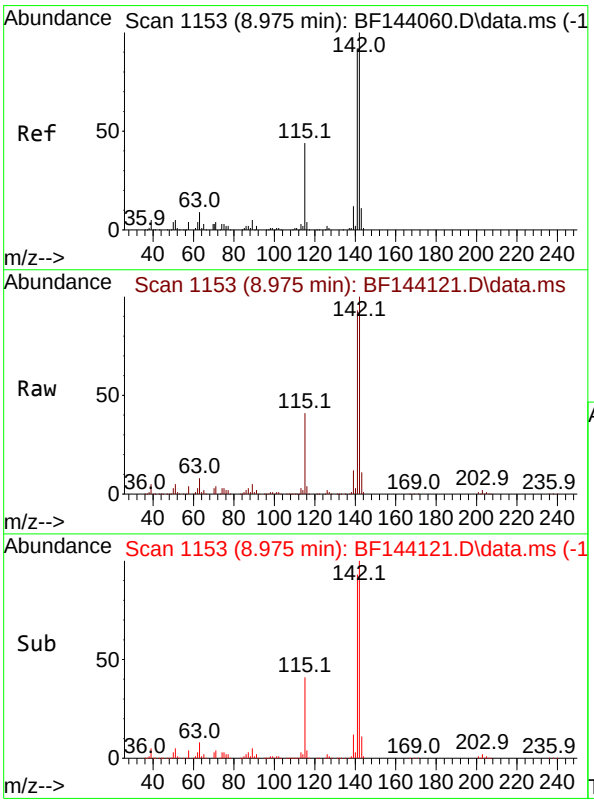
#37
2-Methylnaphthalene
Concen: 40.463 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 292579

Ion	Ratio	Lower	Upper
142	100		
141	89.1	67.6	101.4

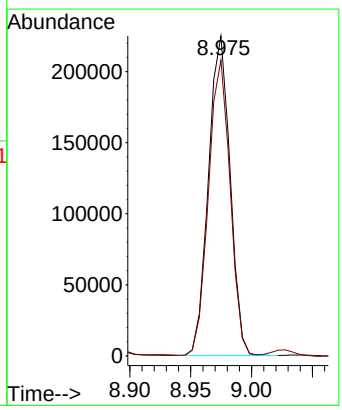


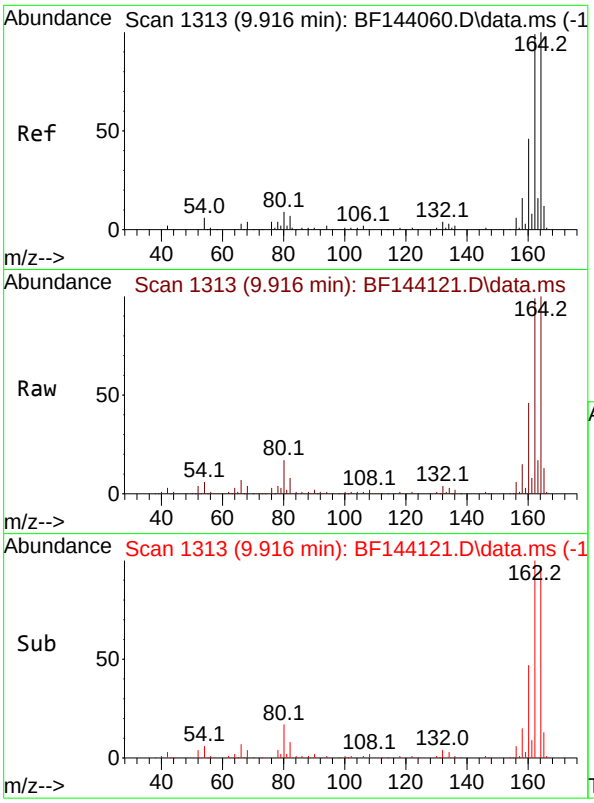


#38
1-Methylnaphthalene
Concen: 40.665 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:142 Resp: 278578

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.4	110.2



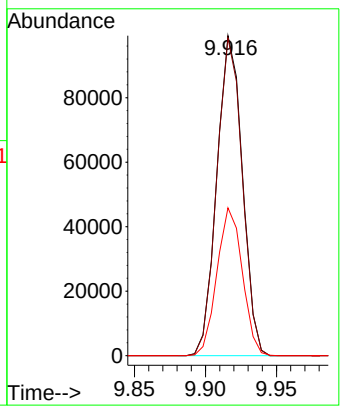


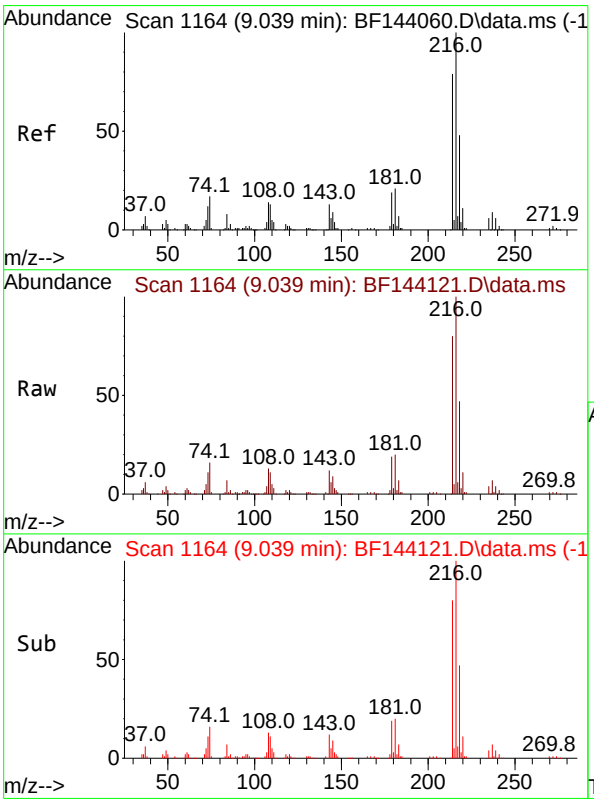
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 124035

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.2
160	46.2	36.7	55.1

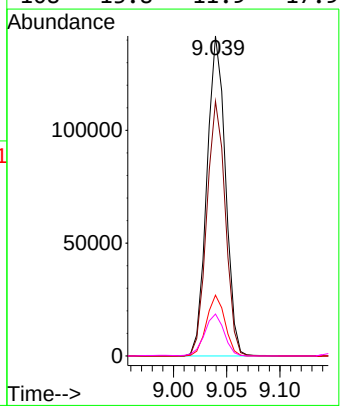


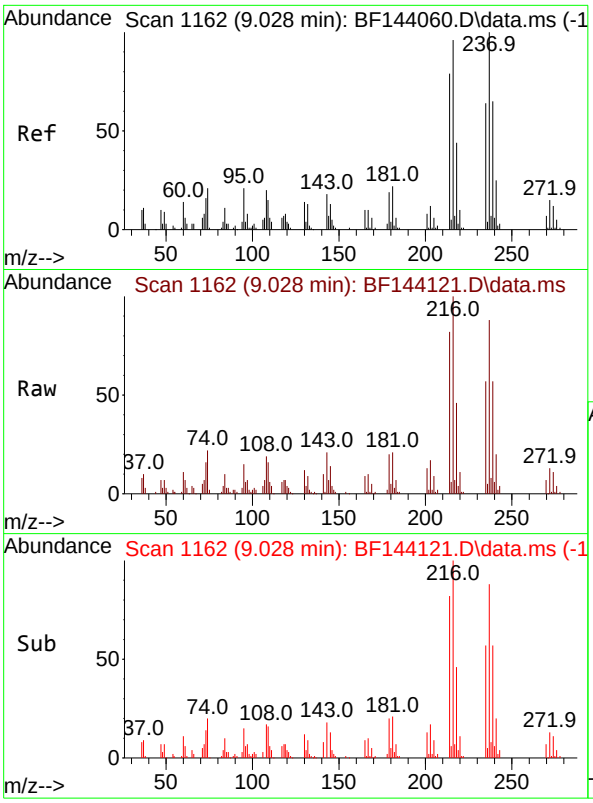


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.433 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:216 Resp: 172358

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.2	94.8
179	18.8	15.2	22.8
108	13.8	11.9	17.9



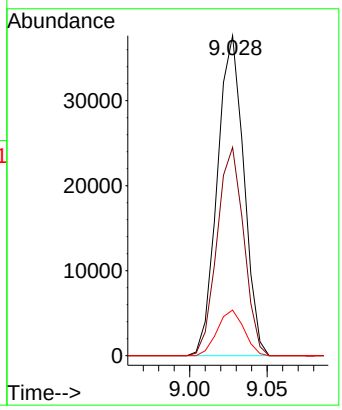


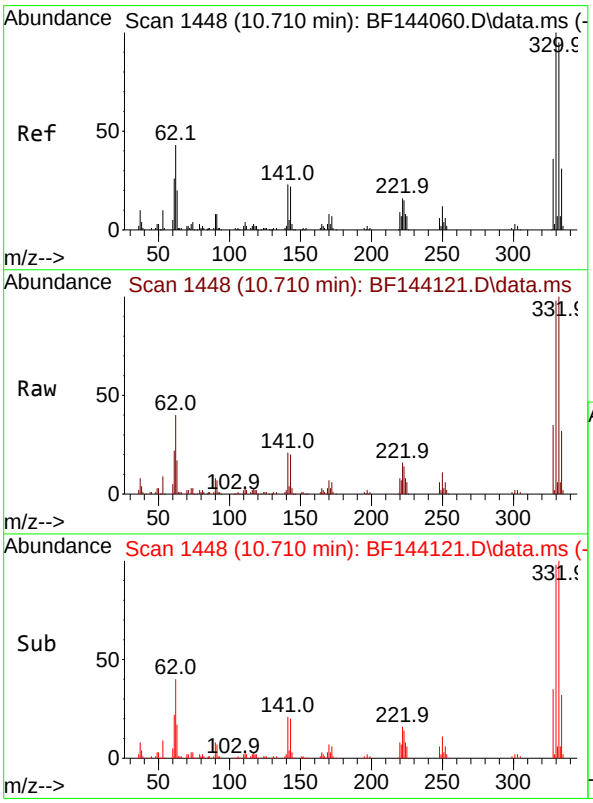
#41
Hexachlorocyclopentadiene
Concen: 34.011 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 44780

Ion	Ratio	Lower	Upper
237	100		
235	65.1	44.3	84.3
272	14.3	0.0	35.2

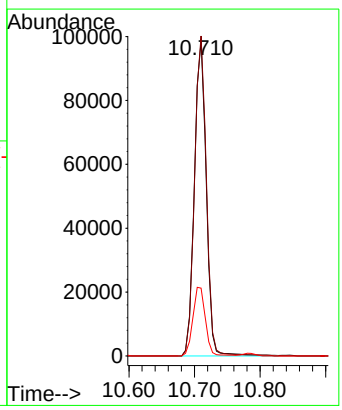


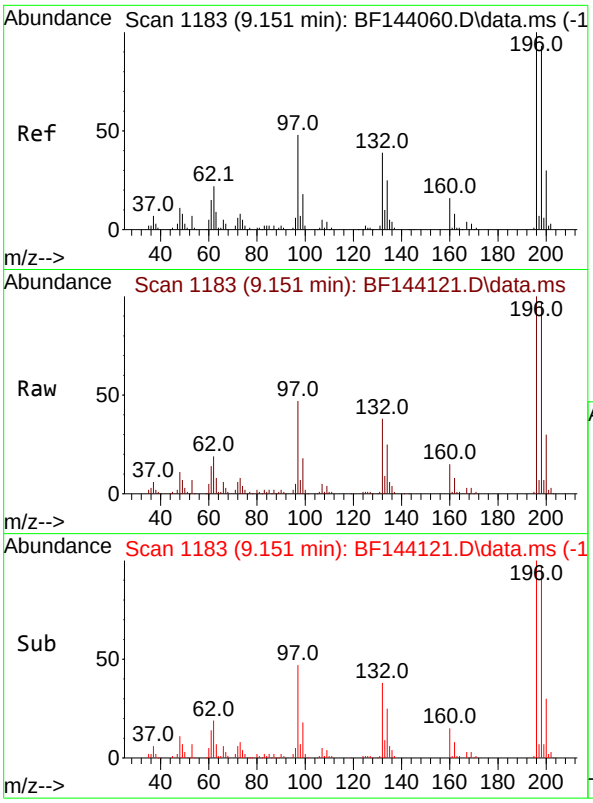


#42
2,4,6-Tribromophenol
Concen: 79.017 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:330 Resp: 124844

Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.0	115.6
141	23.0	19.4	29.0



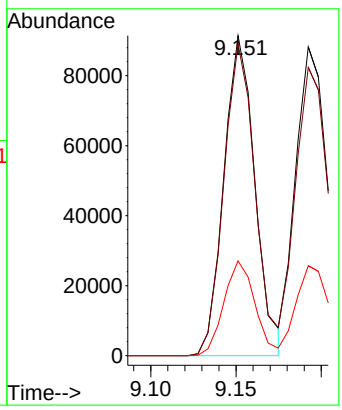


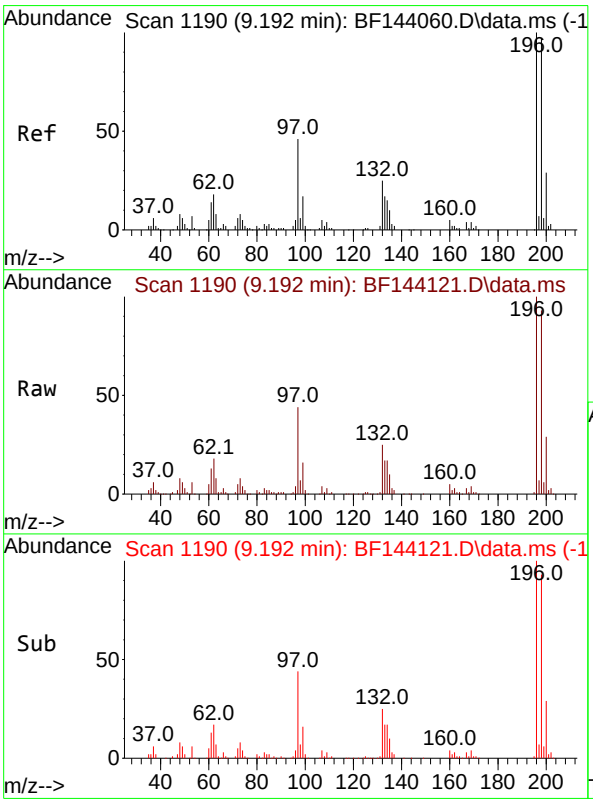
#43
2,4,6-Trichlorophenol
Concen: 41.760 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 115708

Ion	Ratio	Lower	Upper
196	100		
198	97.5	74.4	111.6
200	29.6	23.8	35.8

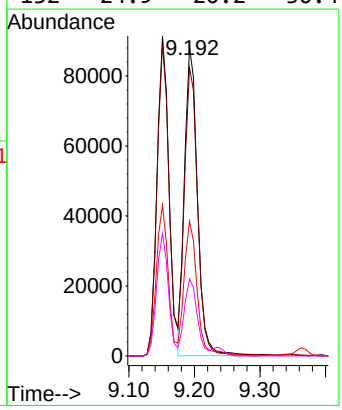


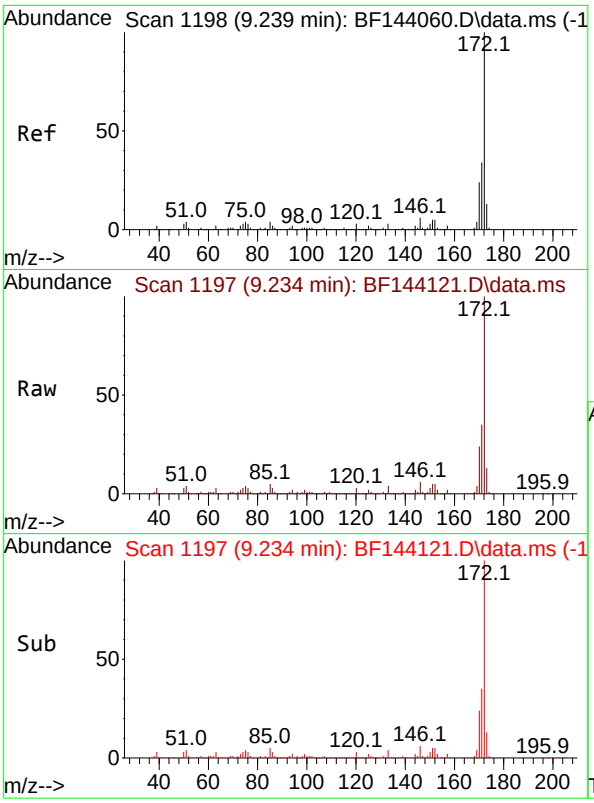


#44
2,4,5-Trichlorophenol
Concen: 41.791 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:196 Resp: 121526

Ion	Ratio	Lower	Upper
196	100		
198	93.4	78.0	117.0
97	43.6	37.7	56.5
132	24.9	20.2	30.4



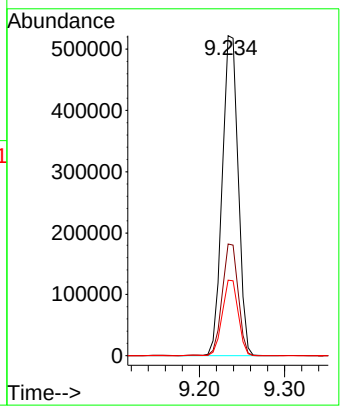


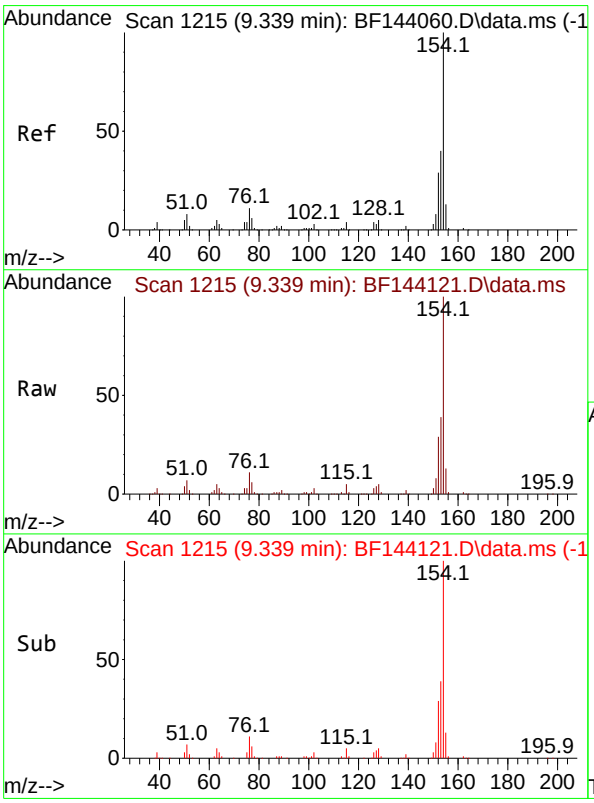
#45
2-Fluorobiphenyl
Concen: 77.029 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 678951

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	23.6	19.0	28.6

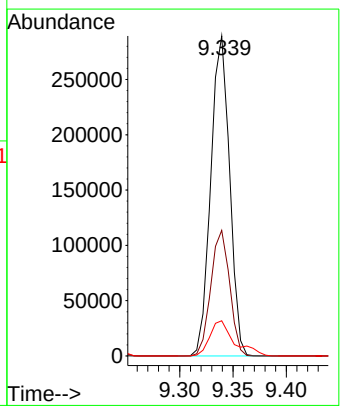


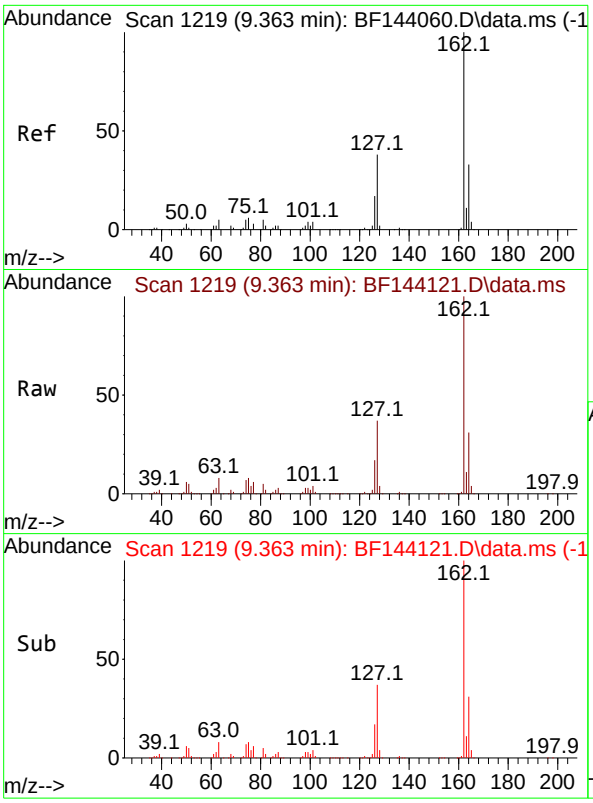


#46
1,1'-Biphenyl
Concen: 39.957 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:154 Resp: 354773

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	11.0	0.0	31.1



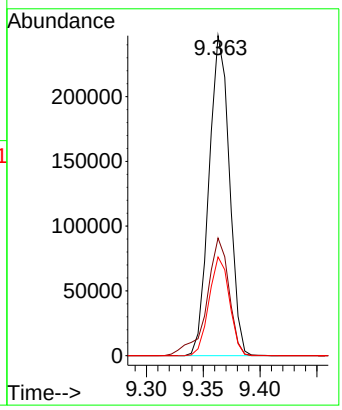


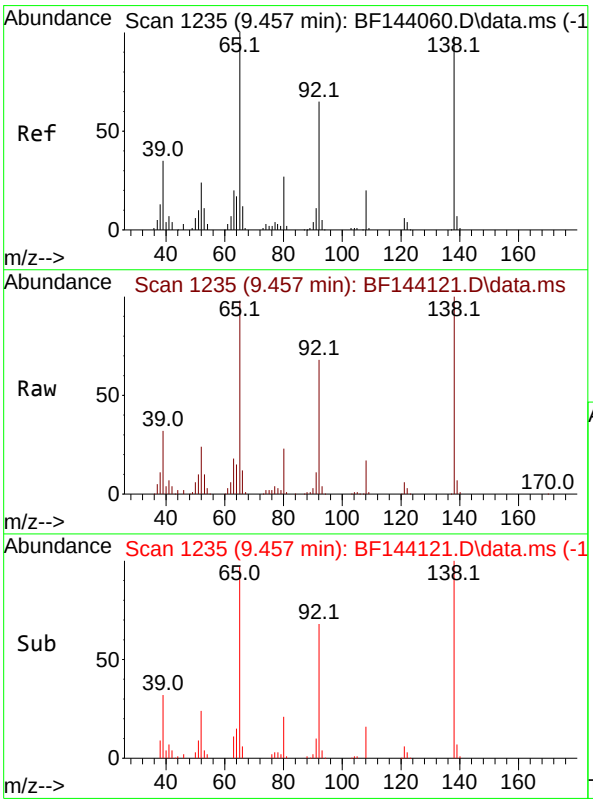
#47
2-Chloronaphthalene
Concen: 41.405 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 307997

Ion	Ratio	Lower	Upper
162	100		
127	36.8	31.6	47.4
164	30.8	26.5	39.7

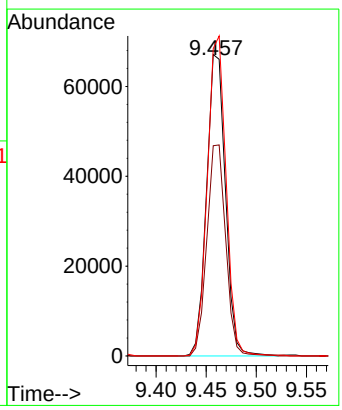


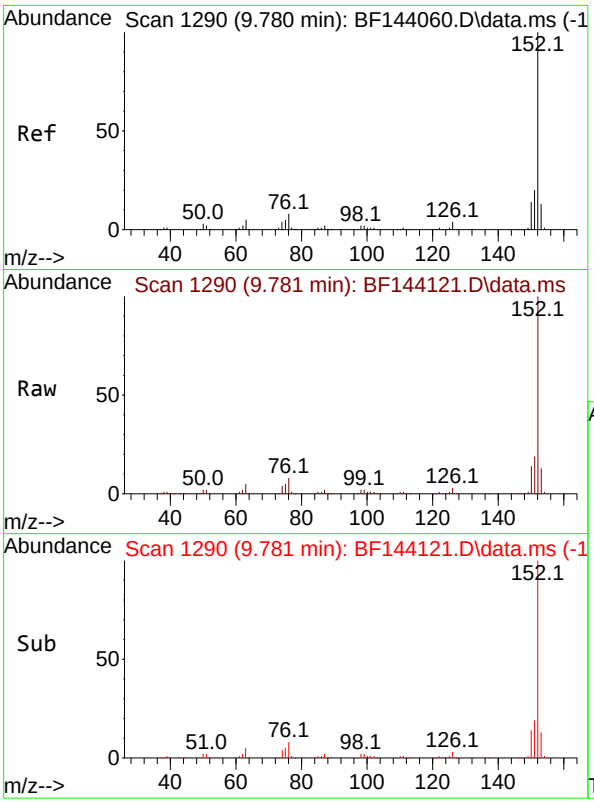


#48
2-Nitroaniline
Concen: 40.037 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 65 Resp: 88438

Ion	Ratio	Lower	Upper
65	100		
92	69.8	52.3	78.5
138	102.0	78.3	117.5



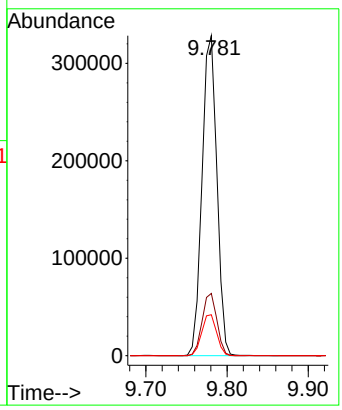


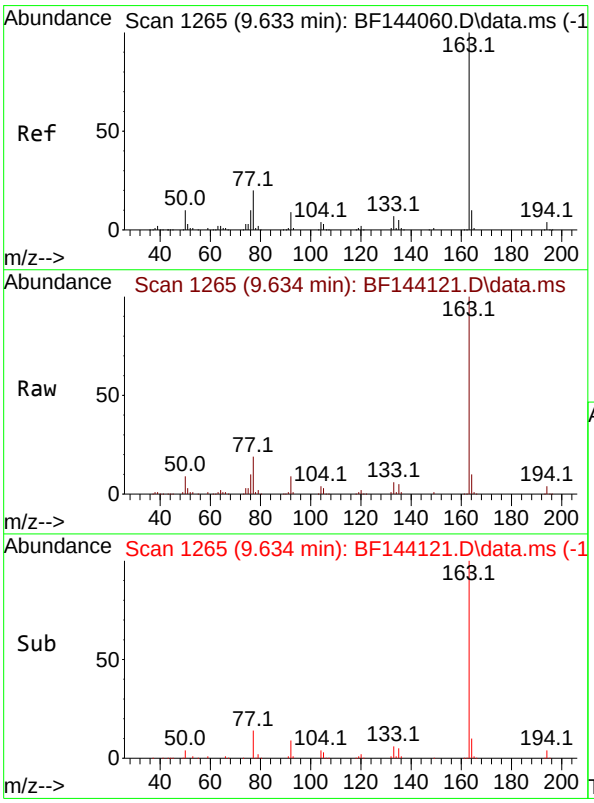
#49
Acenaphthylene
Concen: 41.536 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 416607

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	12.8	10.4	15.6

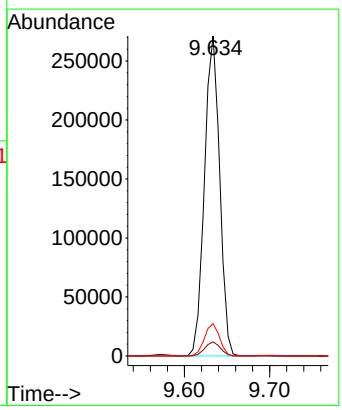


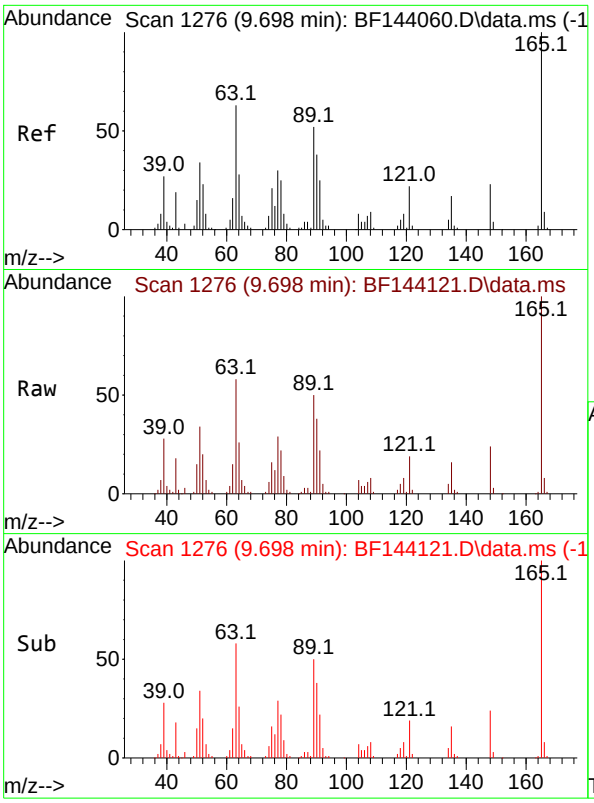


#50
Dimethylphthalate
Concen: 41.342 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:163 Resp: 336124

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.1	7.8	11.8



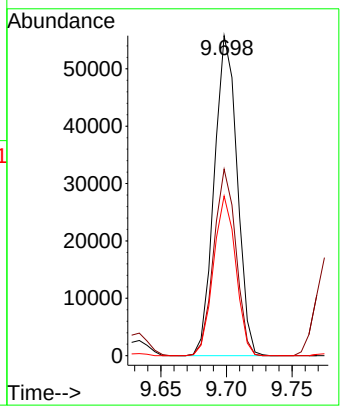


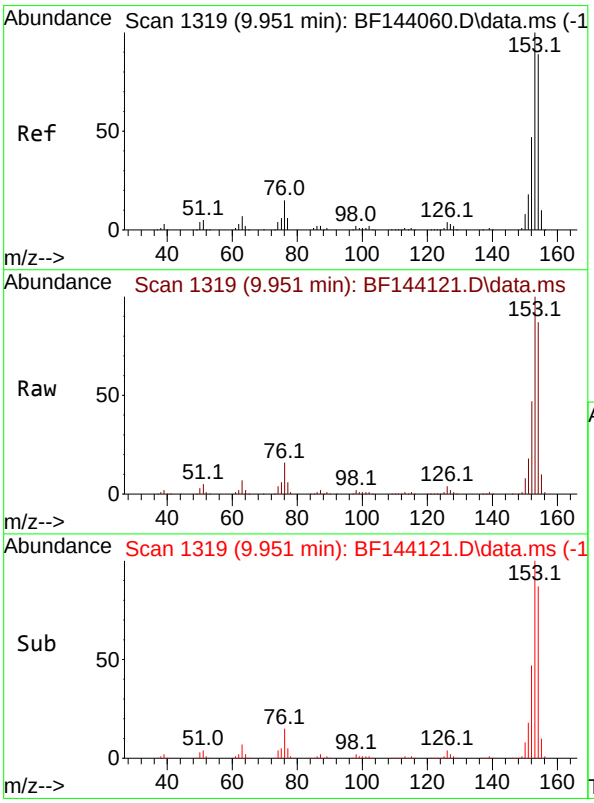
#51
2,6-Dinitrotoluene
Concen: 42.046 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 67580

Ion	Ratio	Lower	Upper
165	100		
63	58.3	50.4	75.6
89	49.9	41.4	62.2

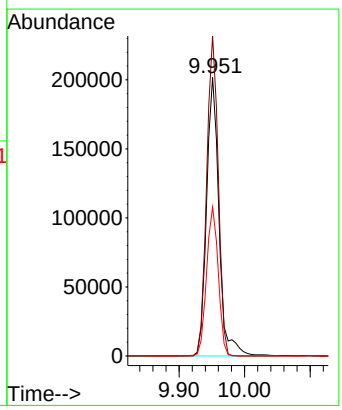


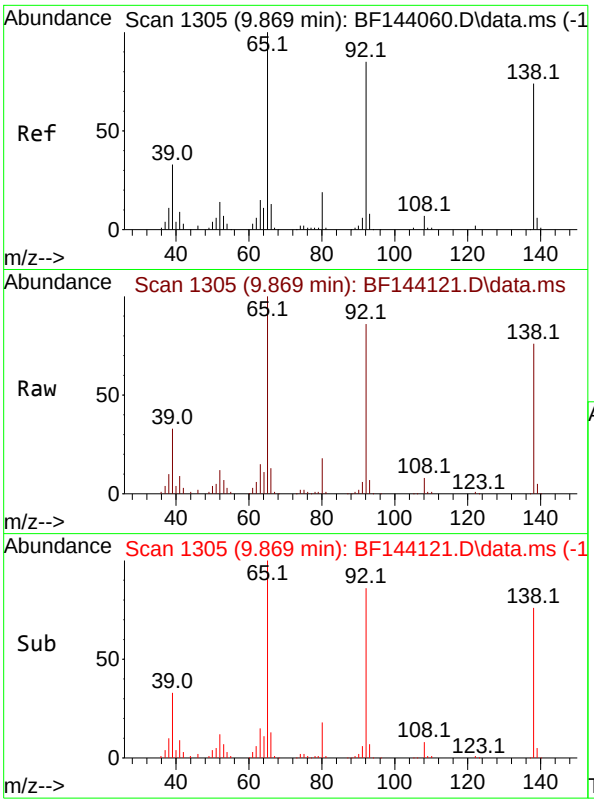


#52
Acenaphthene
Concen: 39.855 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:154 Resp: 266968

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.9	134.9
152	53.5	42.0	63.0



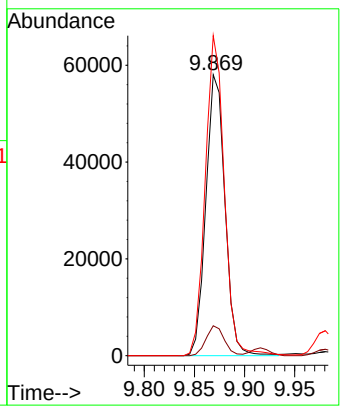


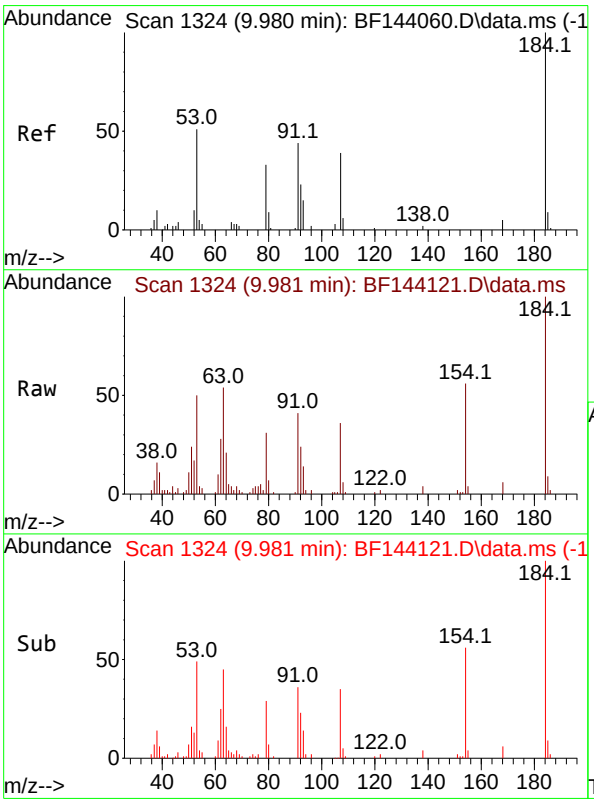
#53
3-Nitroaniline
Concen: 43.238 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 77266

Ion	Ratio	Lower	Upper
138	100		
108	10.6	7.9	11.9
92	113.9	92.0	138.0

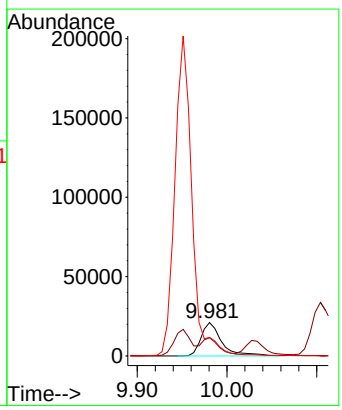


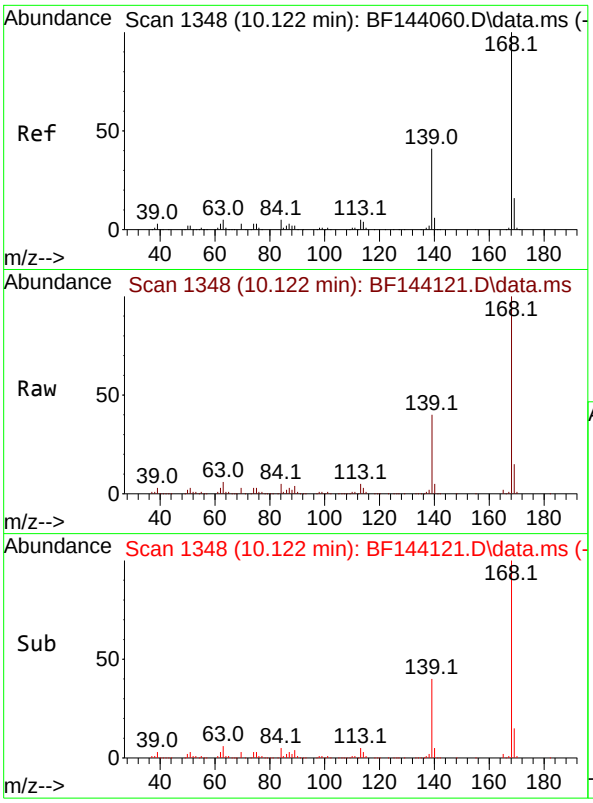


#54
2,4-Dinitrophenol
Concen: 38.660 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:184 Resp: 33608

Ion	Ratio	Lower	Upper
184	100		
63	54.4	52.1	78.1
154	55.5	47.9	71.9



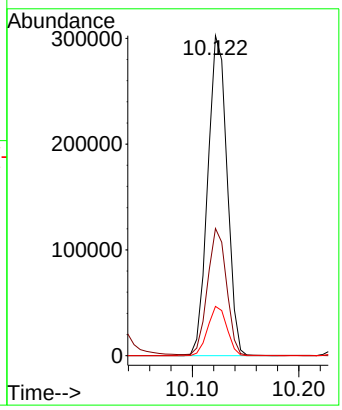


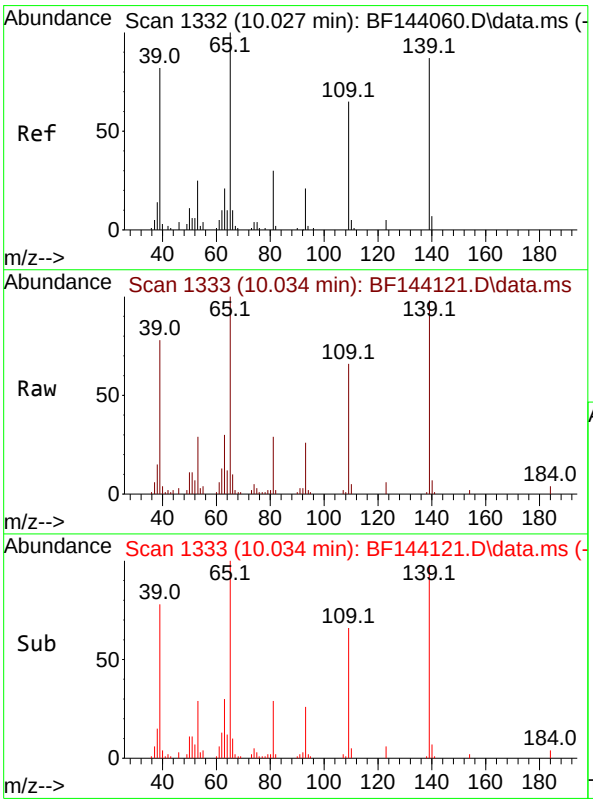
#55
Dibenzofuran
Concen: 40.786 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 379280

Ion	Ratio	Lower	Upper
168	100		
139	39.7	33.2	49.8
169	15.4	12.6	19.0

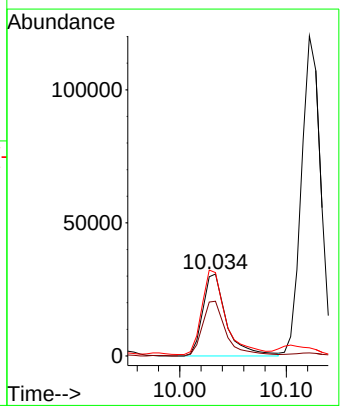


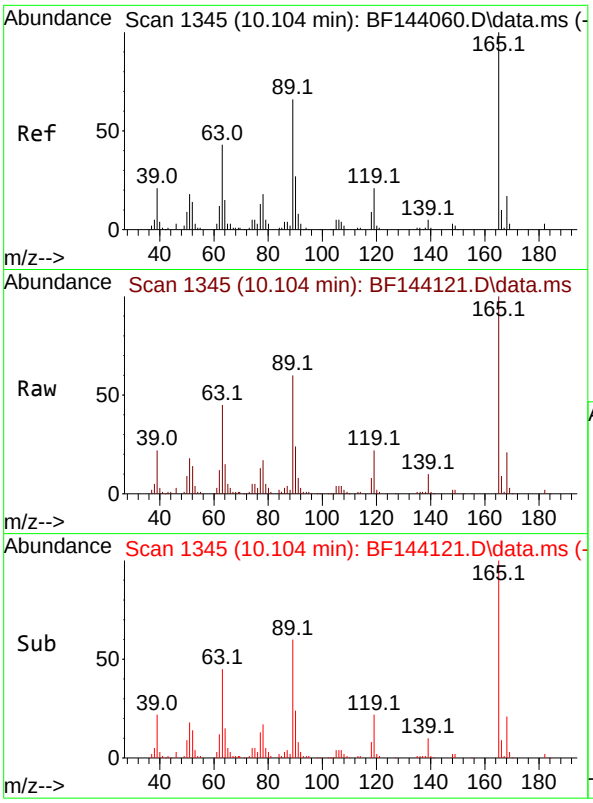


#56
4-Nitrophenol
Concen: 39.550 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:139 Resp: 47859

Ion	Ratio	Lower	Upper
139	100		
109	66.8	53.8	93.8
65	101.7	95.9	135.9



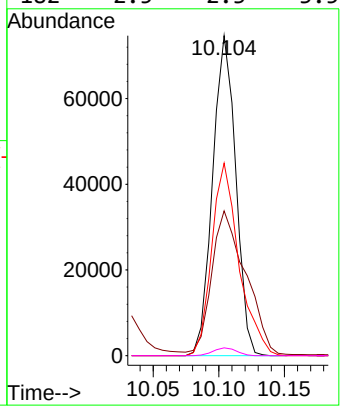


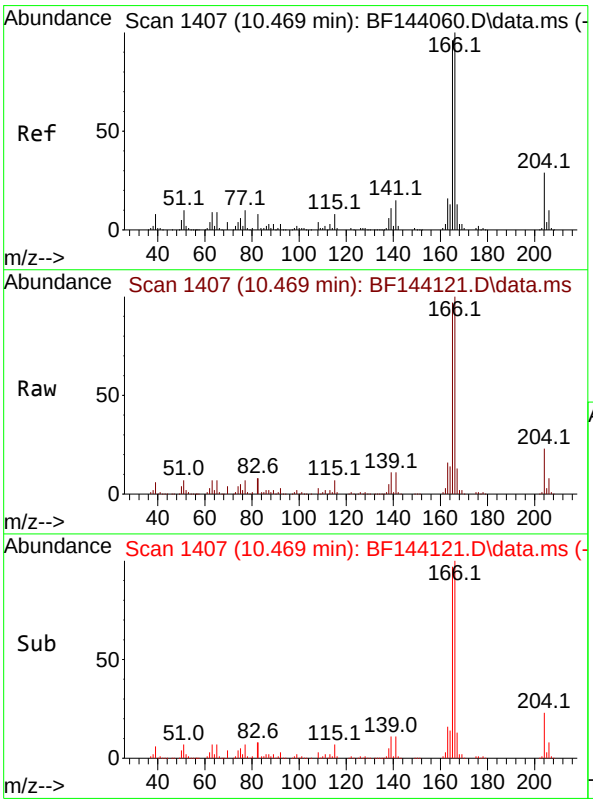
#57
2,4-Dinitrotoluene
Concen: 42.178 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 91495

Ion	Ratio	Lower	Upper
165	100		
63	45.2	35.4	53.2
89	60.1	52.7	79.1
182	2.5	2.3	3.5

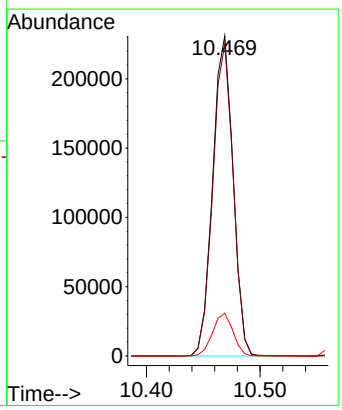


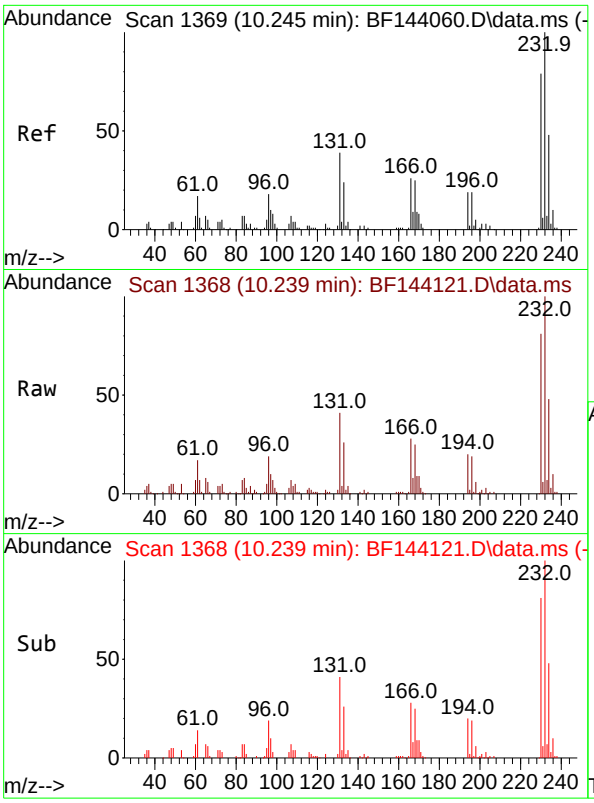


#58
Fluorene
Concen: 40.609 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:166 Resp: 287737

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.0	115.4
167	13.4	10.2	15.4



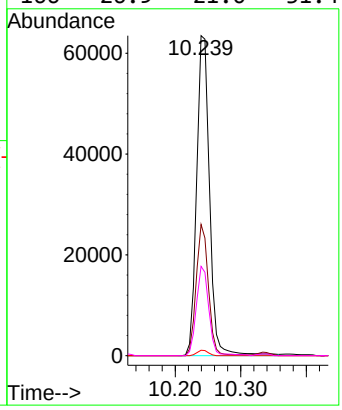


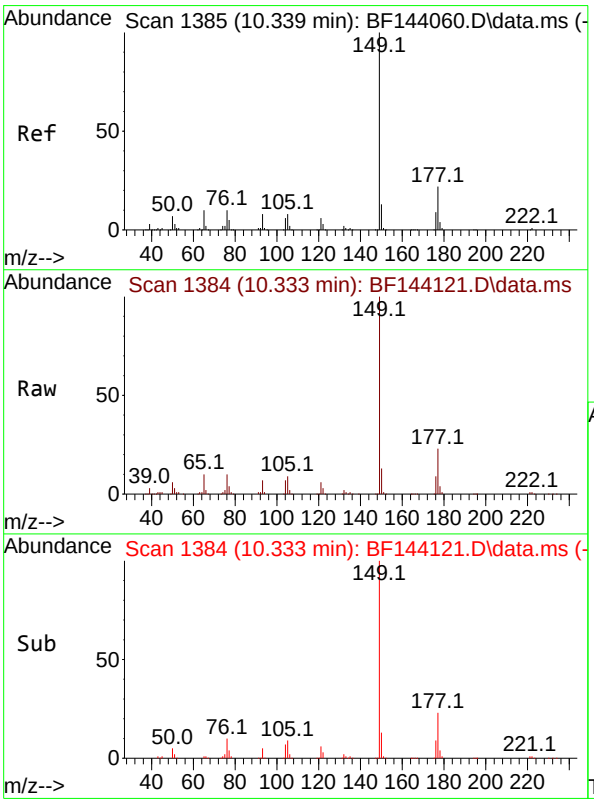
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.612 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 87320

Ion	Ratio	Lower	Upper
232	100		
131	38.5	31.9	47.9
130	1.5	1.1	1.7
166	26.9	21.0	31.4

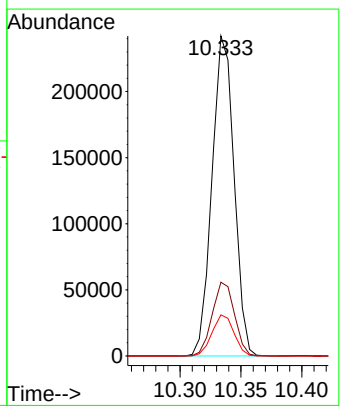


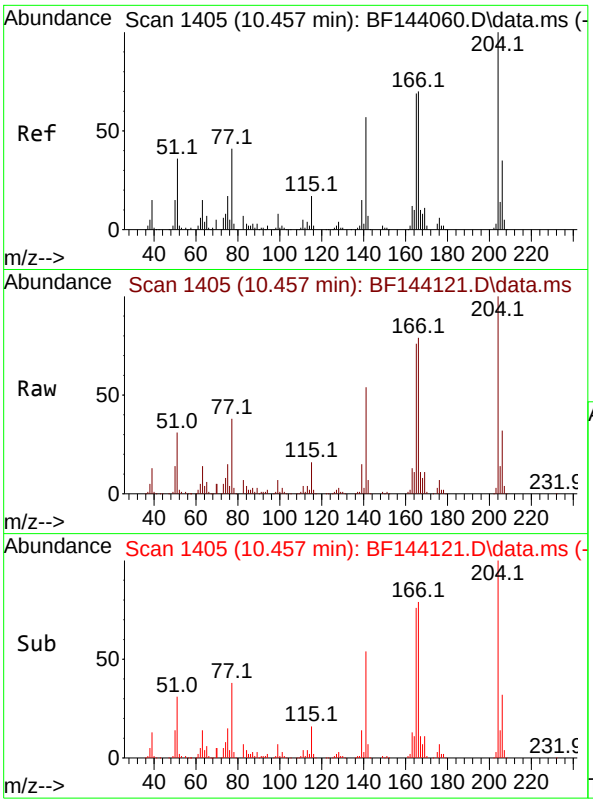


#60
Diethylphthalate
Concen: 39.944 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 305410

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.8	26.6
150	12.9	10.1	15.1



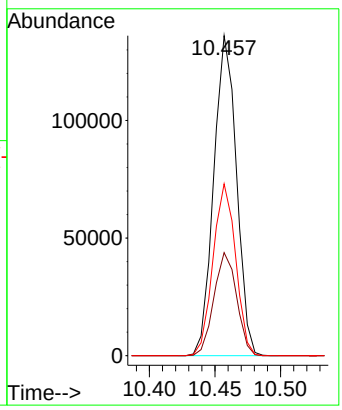


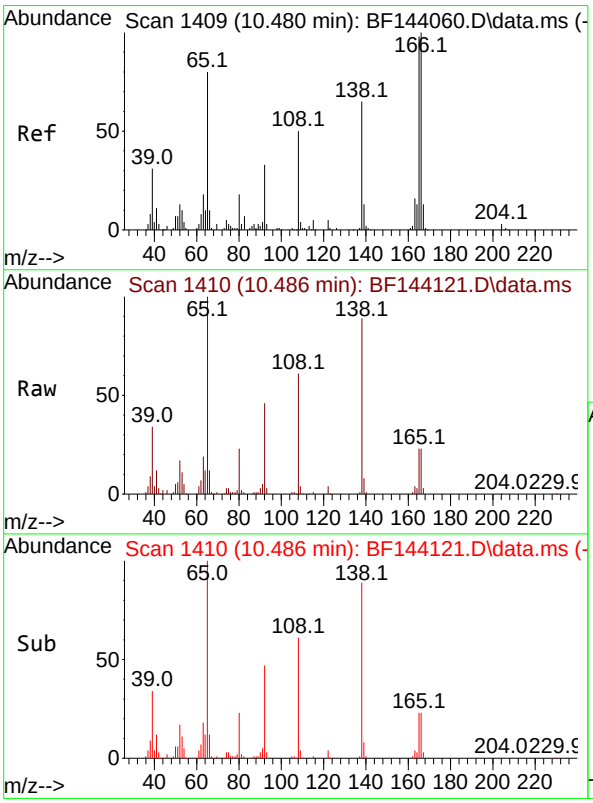
#61
4-Chlorophenyl-phenylether
Concen: 41.094 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 163745

Ion	Ratio	Lower	Upper
204	100		
206	32.2	27.8	41.6
141	53.7	45.4	68.2

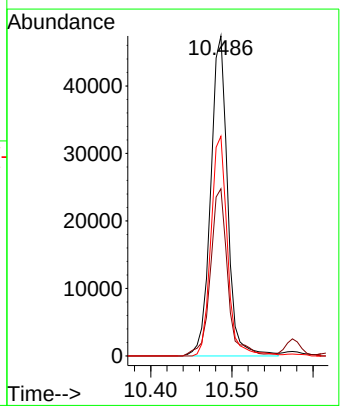


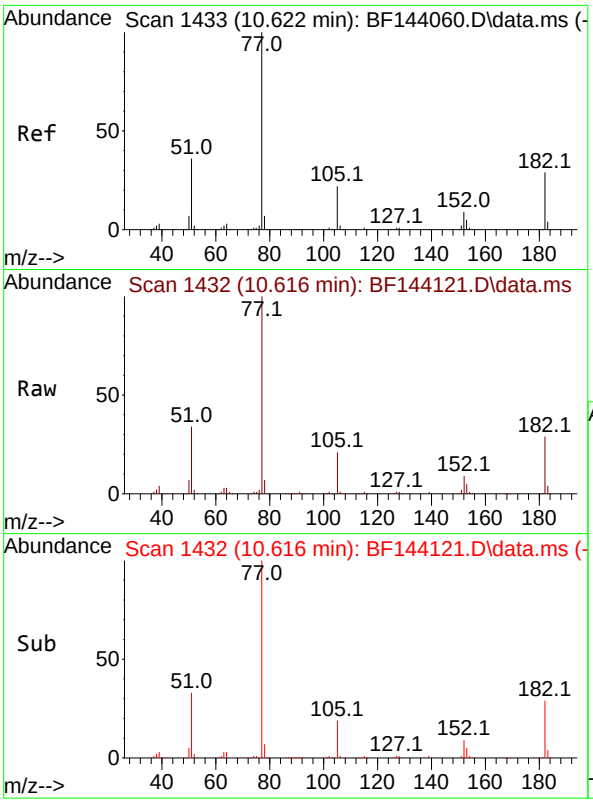


#62
4-Nitroaniline
Concen: 40.525 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:138 Resp: 68617

Ion	Ratio	Lower	Upper
138	100		
92	52.2	30.5	70.5
108	68.6	56.2	96.2



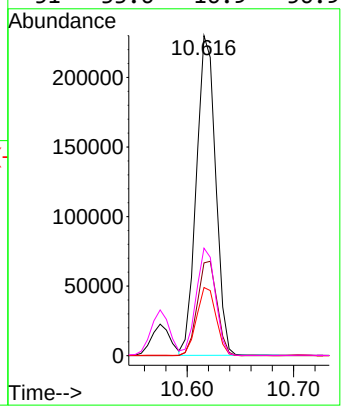


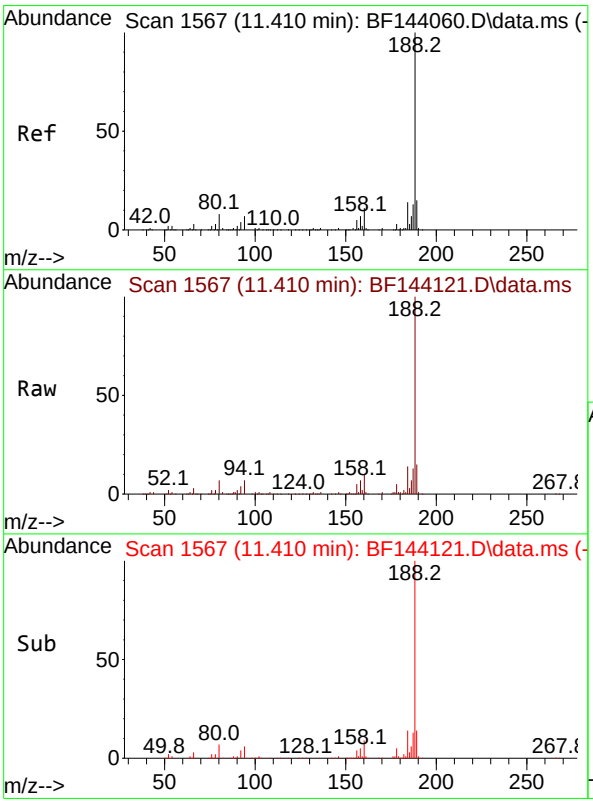
#63
Azobenzene
Concen: 39.963 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 289198

Ion	Ratio	Lower	Upper
77	100		
182	29.0	9.0	49.0
105	21.3	1.4	41.4
51	33.6	16.9	56.9

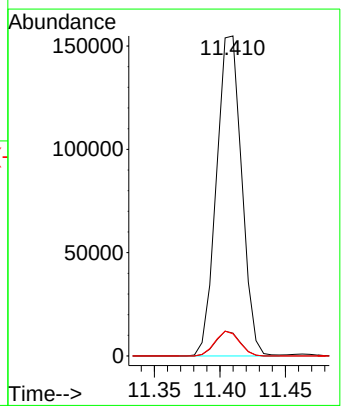


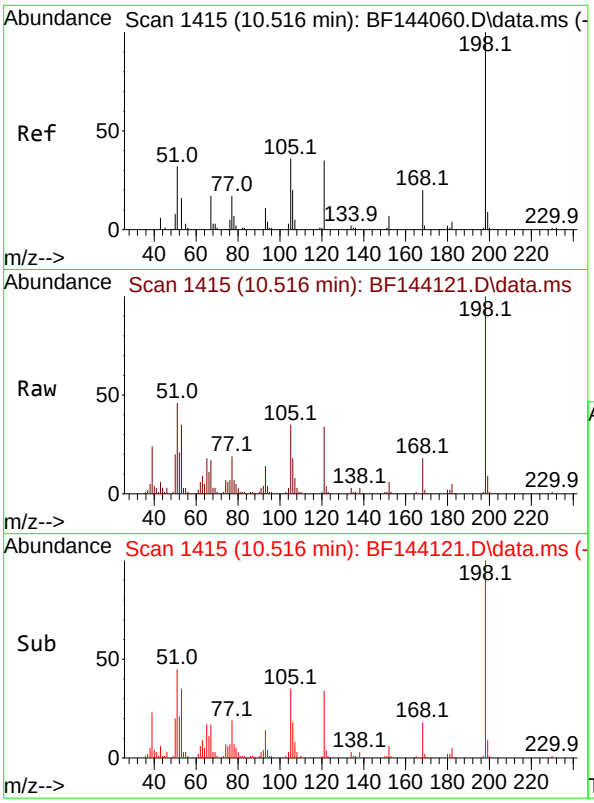


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:188 Resp: 207074

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.4	8.0
80	6.9	6.0	9.0



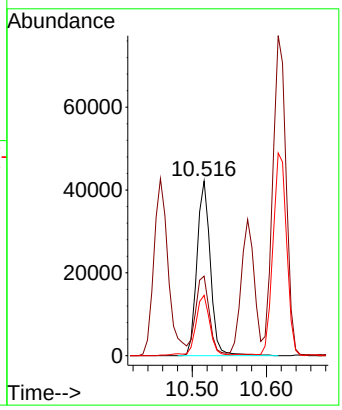


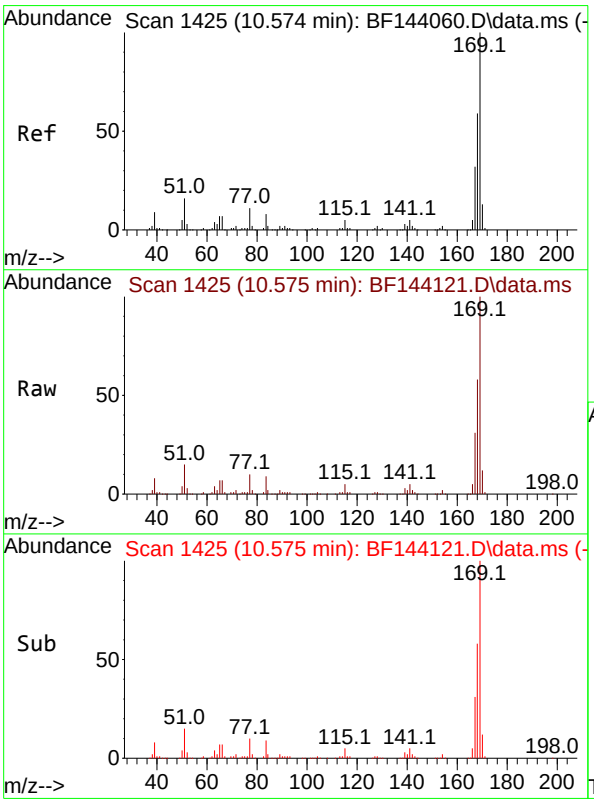
#65
4,6-Dinitro-2-methylphenol
Concen: 39.830 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 52916

Ion	Ratio	Lower	Upper
198	100		
51	45.5	25.8	65.8
105	34.6	17.2	57.2

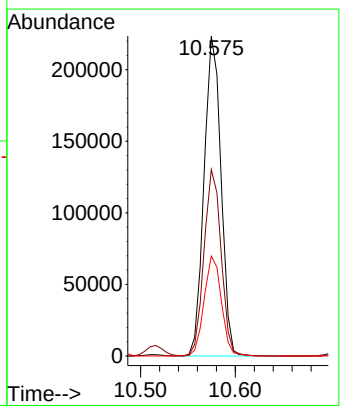


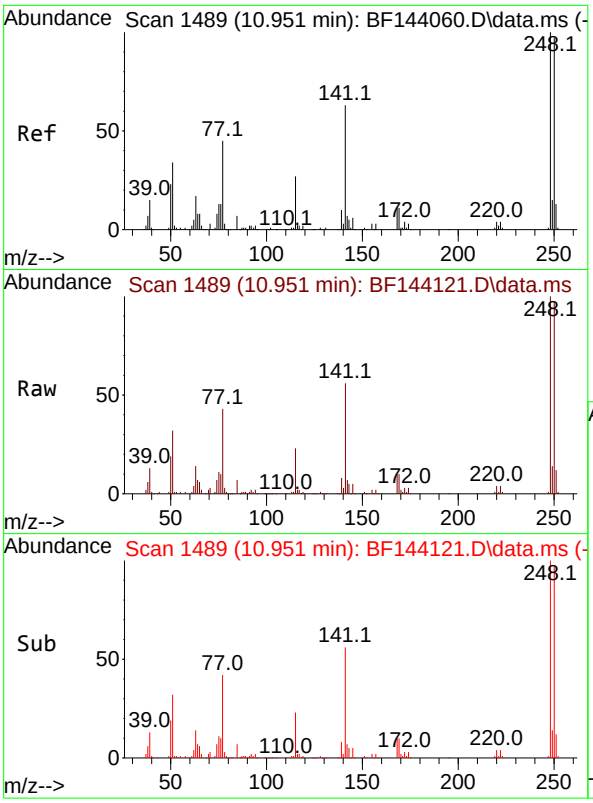


#66
n-Nitrosodiphenylamine
Concen: 41.875 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:169 Resp: 277049

Ion	Ratio	Lower	Upper
169	100		
168	58.2	47.4	71.2
167	31.2	25.5	38.3



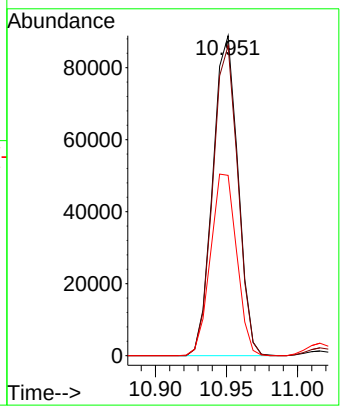


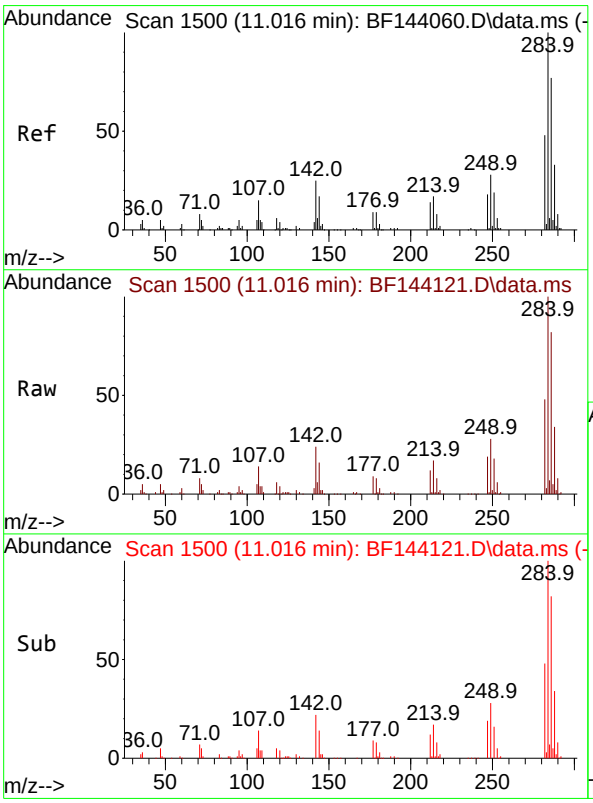
#67
4-Bromophenyl-phenylether
Concen: 42.302 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 109675

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.6
141	56.3	50.5	75.7

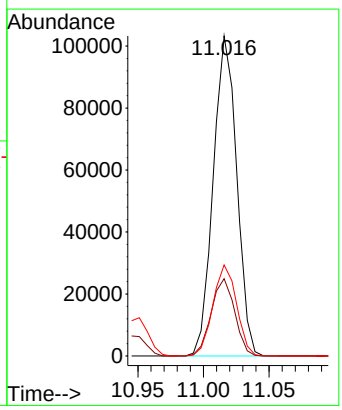


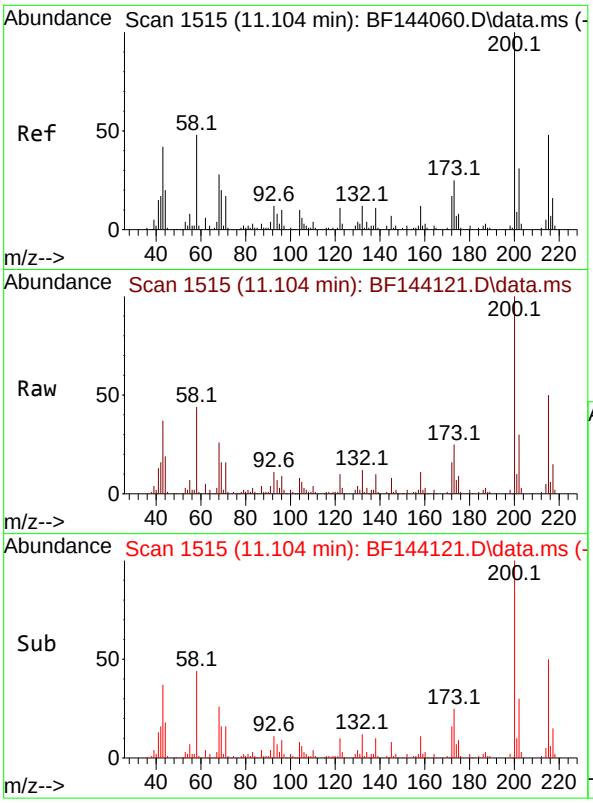


#68
Hexachlorobenzene
Concen: 40.395 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:284 Resp: 128445

Ion	Ratio	Lower	Upper
284	100		
142	24.2	20.0	30.0
249	28.5	22.2	33.2



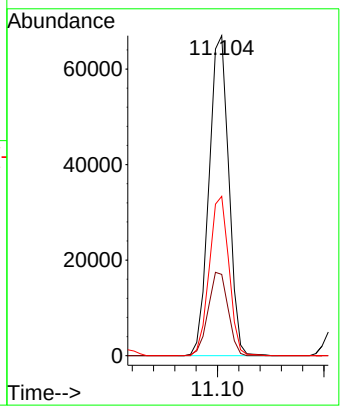


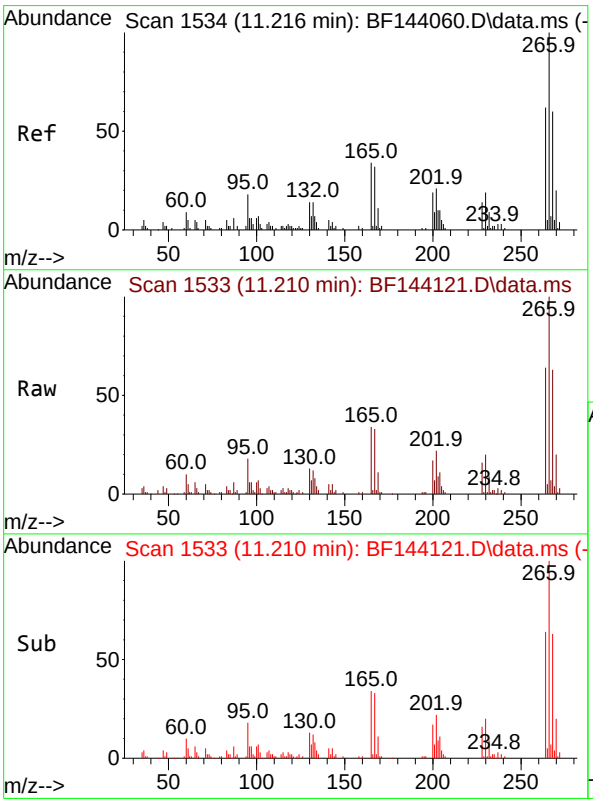
#69
Atrazine
Concen: 39.616 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 86008

Ion	Ratio	Lower	Upper
200	100		
173	25.4	4.9	44.9
215	49.8	28.2	68.2

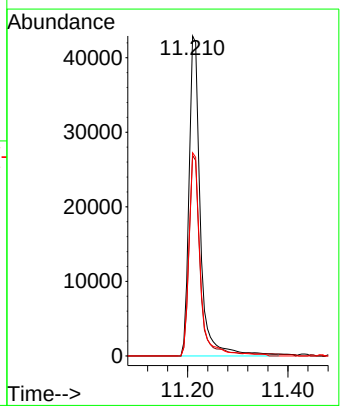


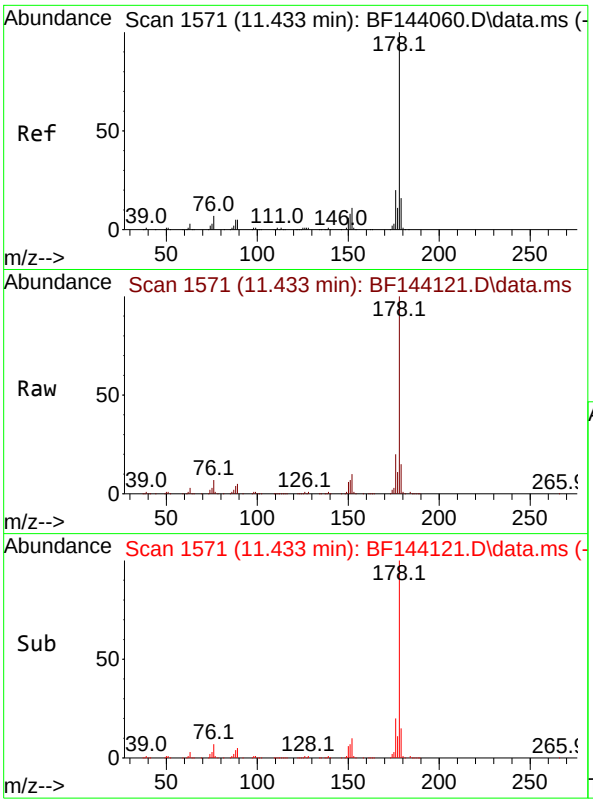


#70
Pentachlorophenol
Concen: 44.431 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:266 Resp: 67248

Ion	Ratio	Lower	Upper
266	100		
268	62.7	48.2	72.4
264	63.5	49.4	74.0



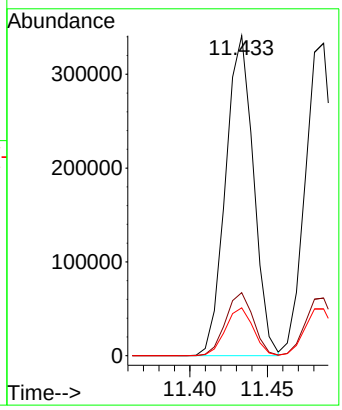


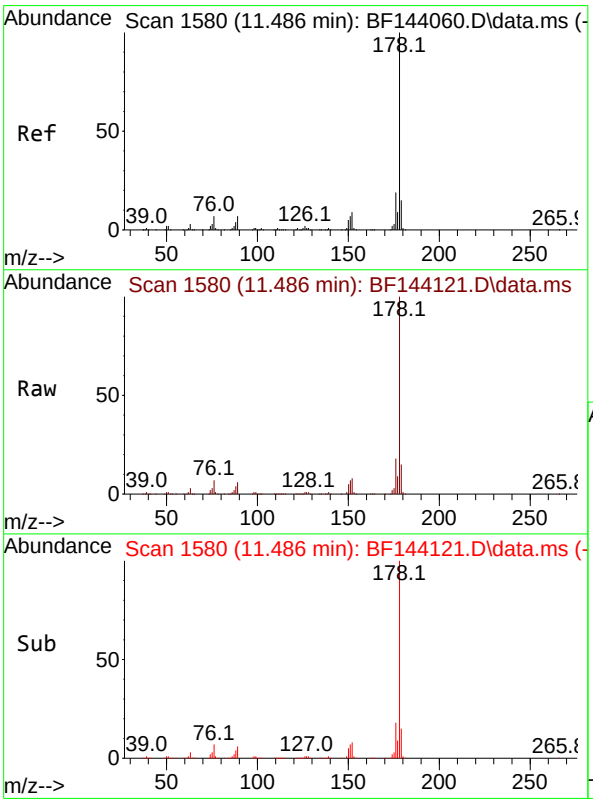
#71
Phenanthrene
Concen: 41.526 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 427157

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	14.9	12.6	18.8

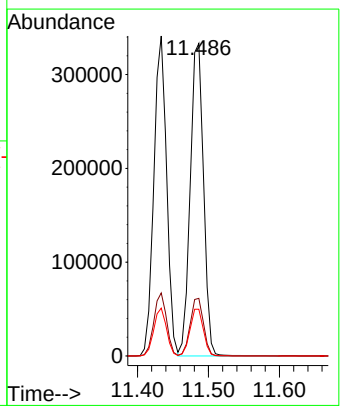


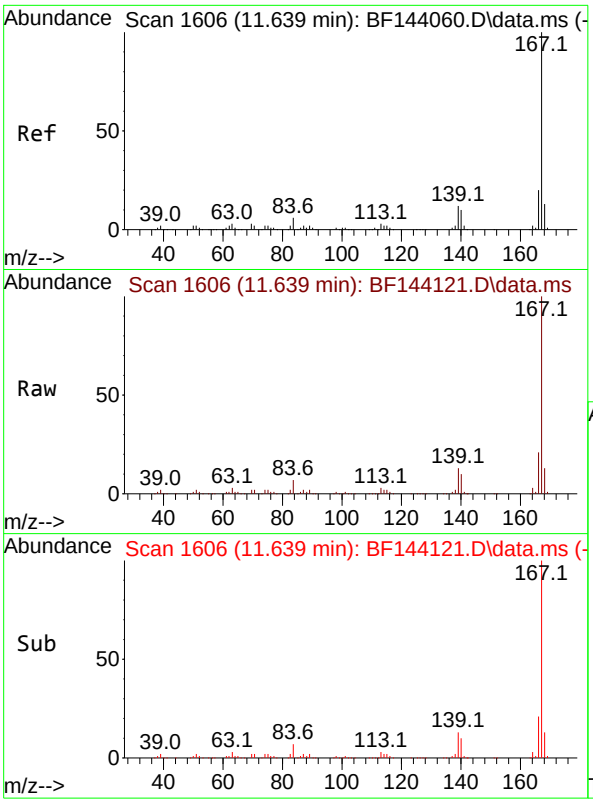


#72
Anthracene
Concen: 40.944 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:178 Resp: 435076

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.9	11.8	17.6



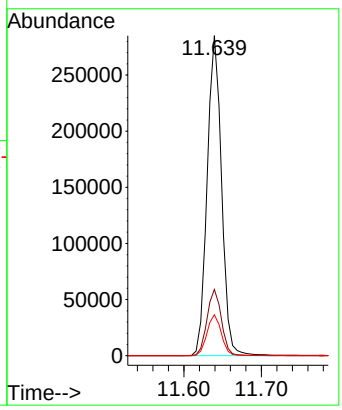


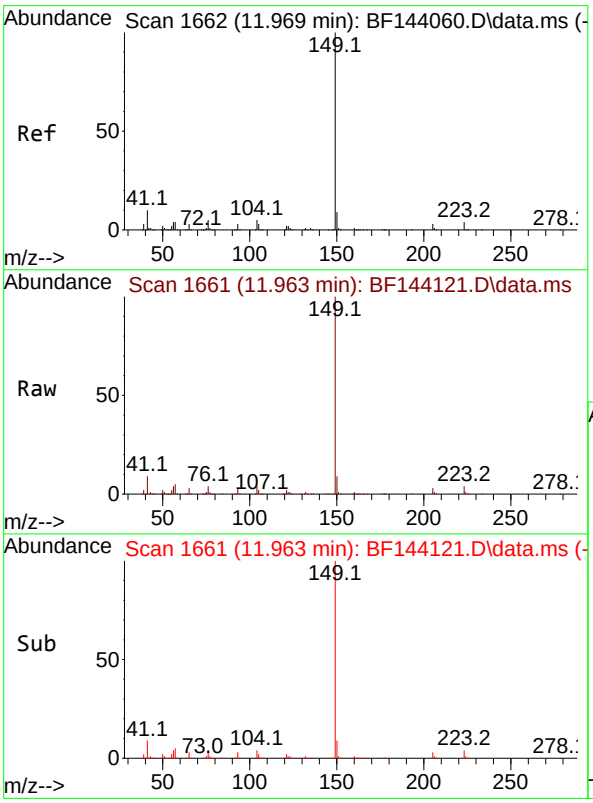
#73
Carbazole
Concen: 40.663 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 367780

Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.1	24.1
139	12.8	9.8	14.6

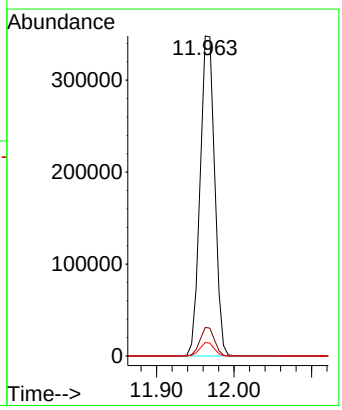


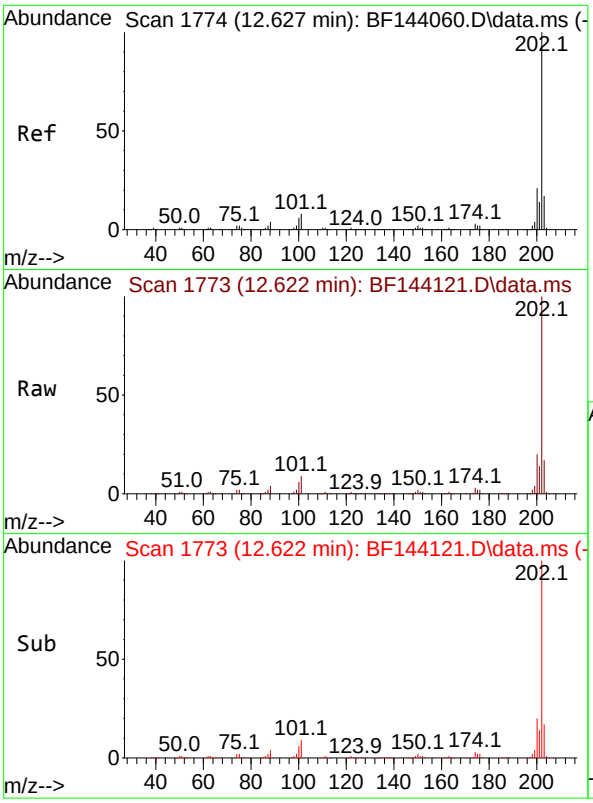


#74
Di-n-butylphthalate
Concen: 40.941 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 453989

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.2	3.6	5.4



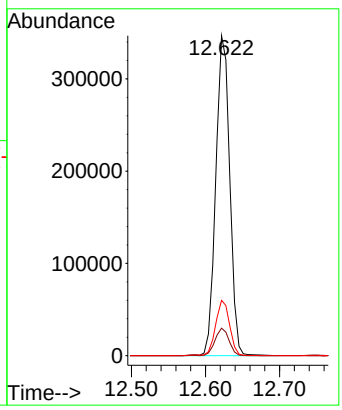


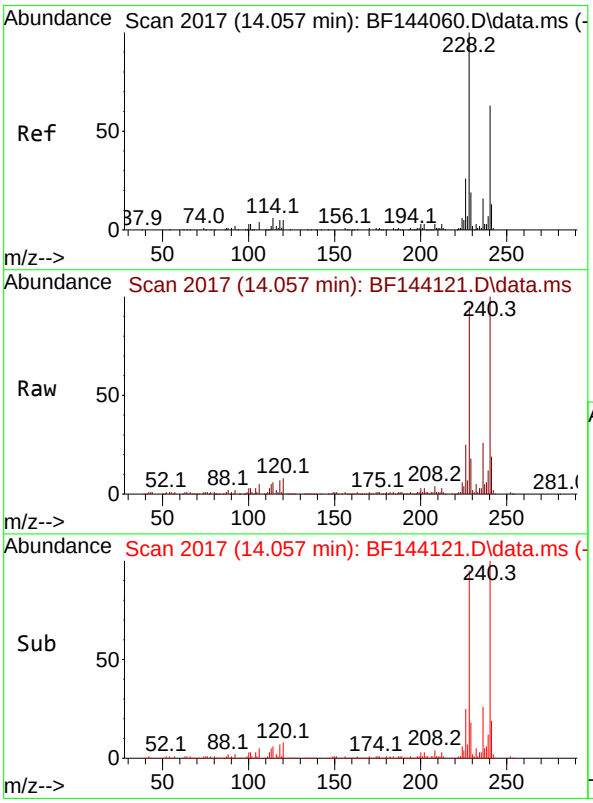
#75
Fluoranthene
Concen: 39.974 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 454294

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	27.7
203	17.3	0.0	37.3

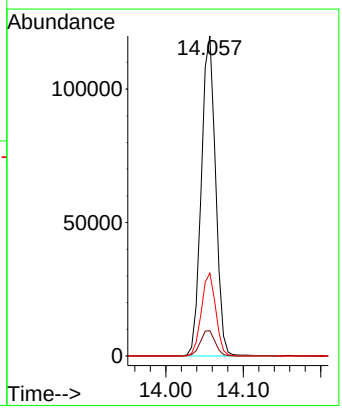


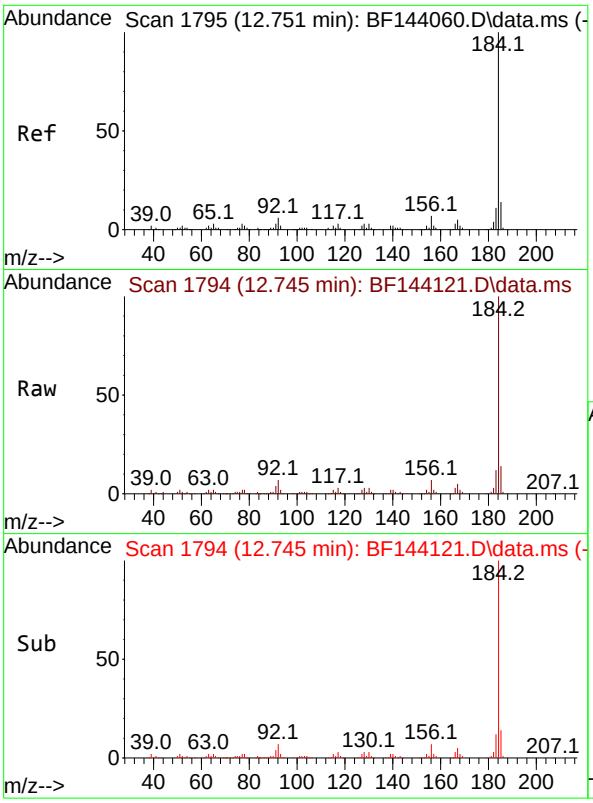


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:240 Resp: 153131

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	25.9	20.1	30.1



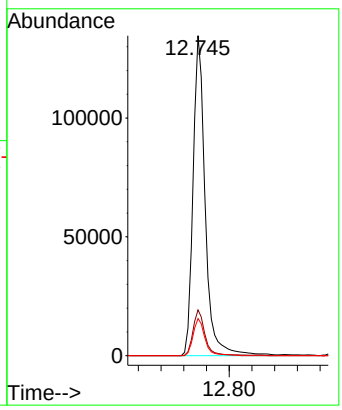


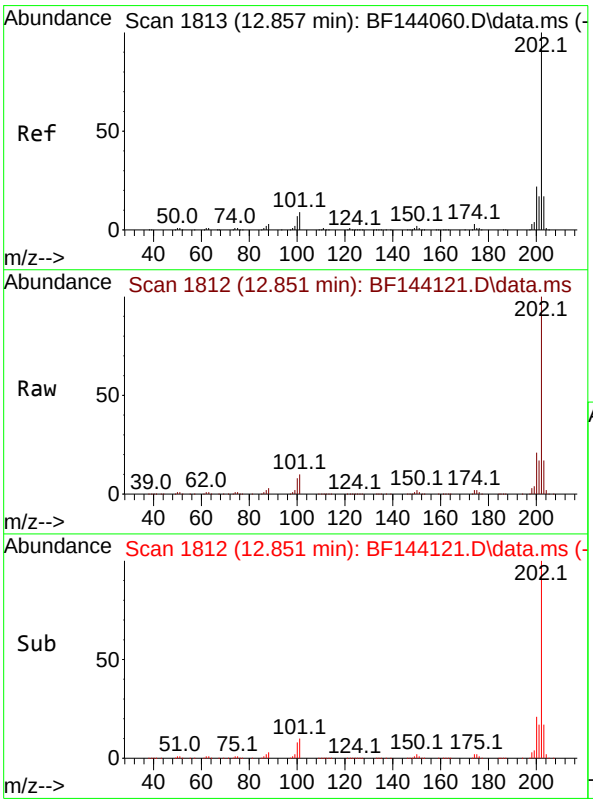
#77
Benzidine
Concen: 42.231 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 201262

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.6	8.5	12.7

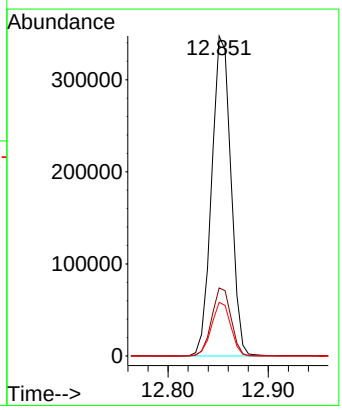


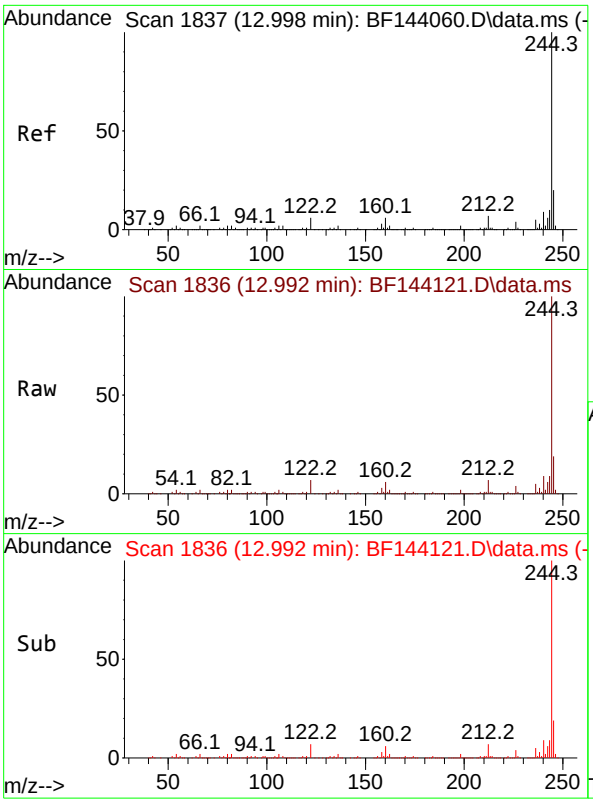


#78
Pyrene
Concen: 41.969 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:202 Resp: 462034

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	16.7	13.5	20.3



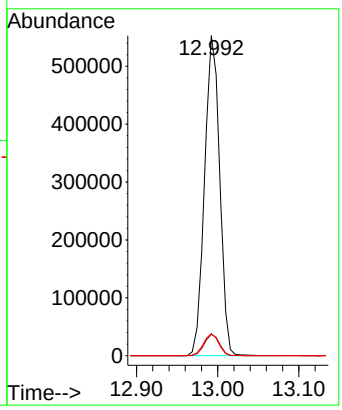


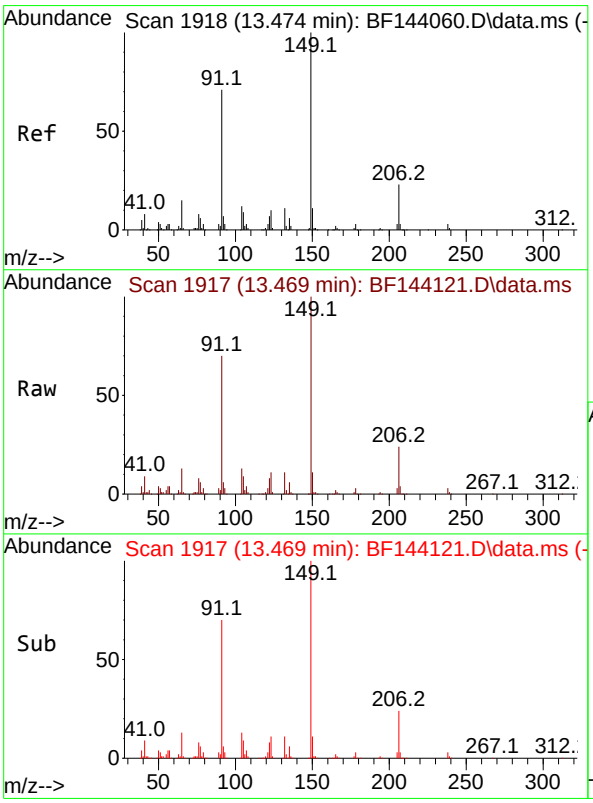
#79
Terphenyl-d14
Concen: 81.522 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 714068

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.9	4.9	7.3

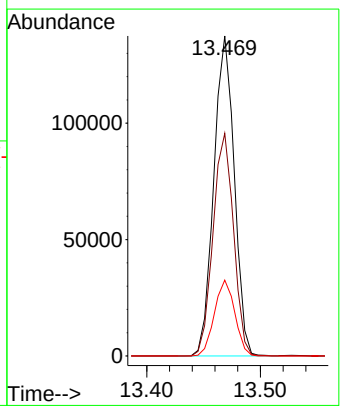


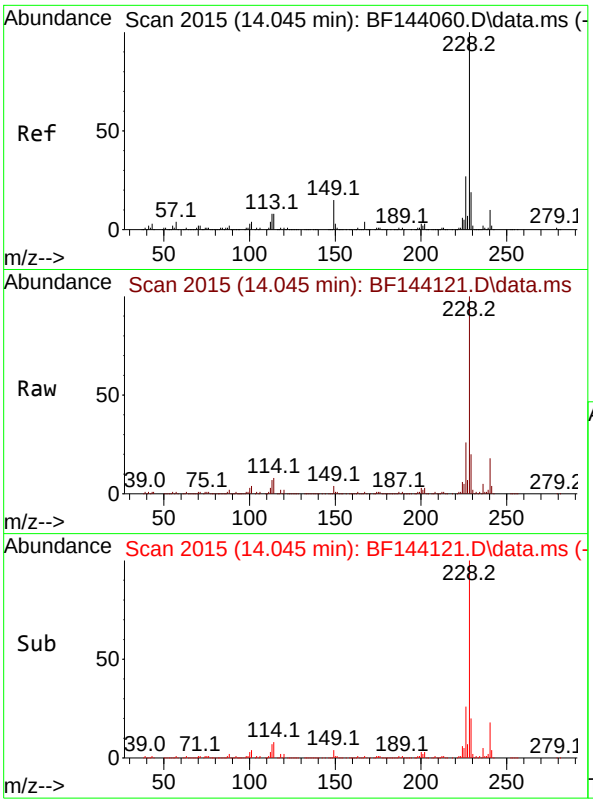


#80
Butylbenzylphthalate
Concen: 41.351 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 172222

Ion	Ratio	Lower	Upper
149	100		
91	69.5	56.6	84.8
206	23.7	18.3	27.5



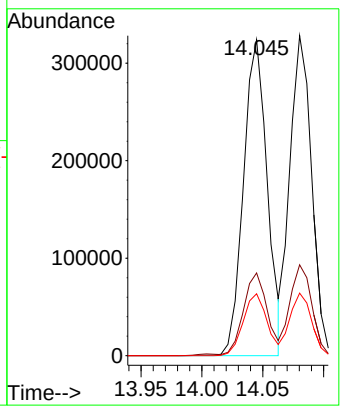


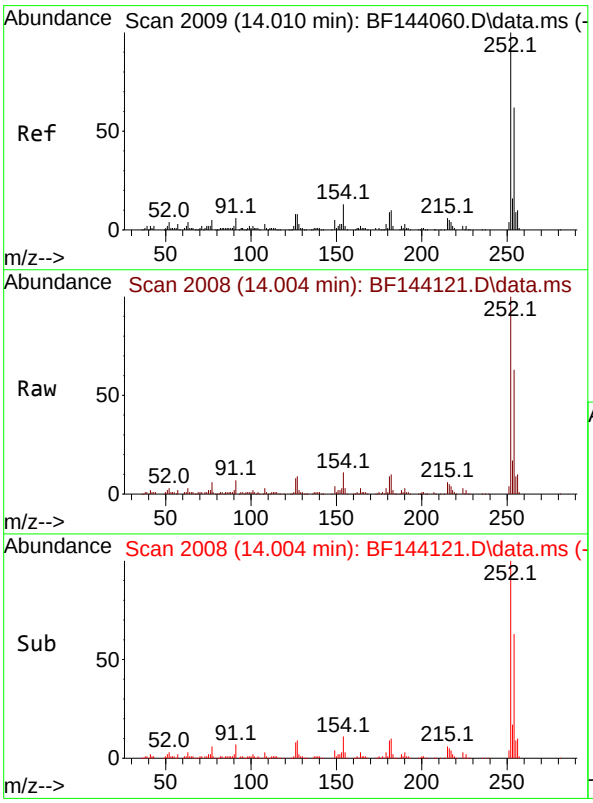
#81
Benzo(a)anthracene
Concen: 42.586 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 440710

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.4	32.2
229	19.6	15.3	22.9

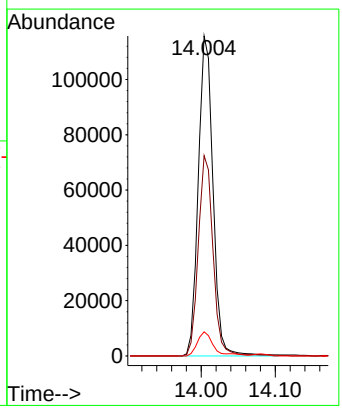


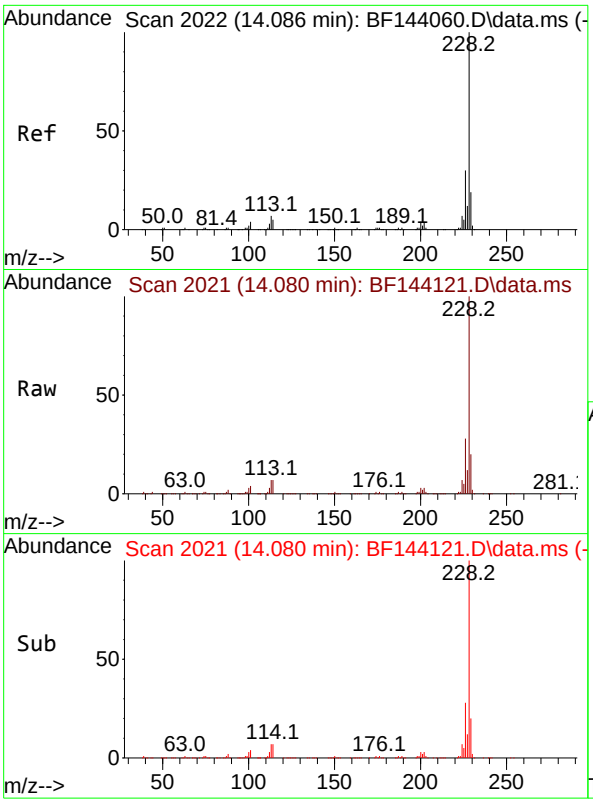


#82
3,3'-Dichlorobenzidine
Concen: 44.172 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:252 Resp: 159124

Ion	Ratio	Lower	Upper
252	100		
254	62.6	49.9	74.9
126	7.6	6.5	9.7



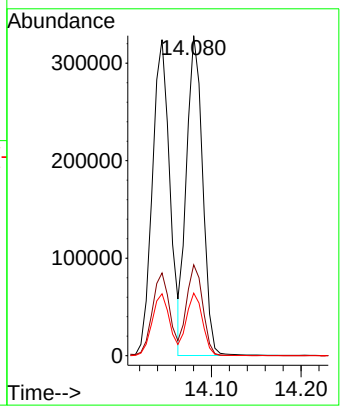


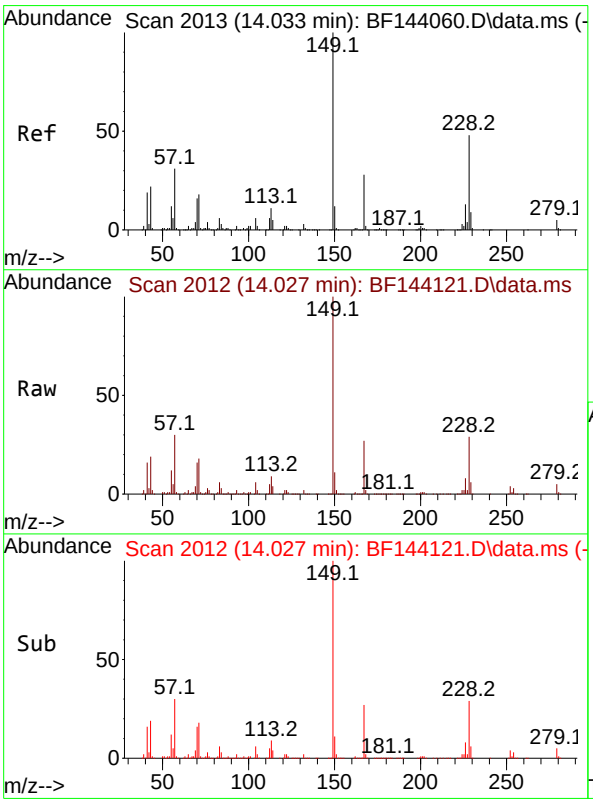
#83
Chrysene
Concen: 42.239 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 410191

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.8	35.6
229	19.6	15.6	23.4

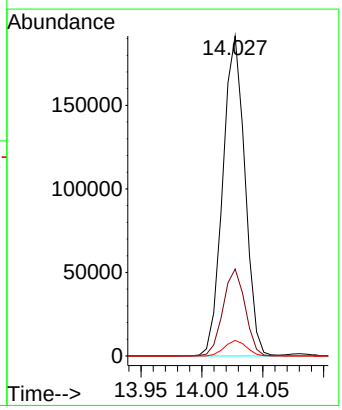


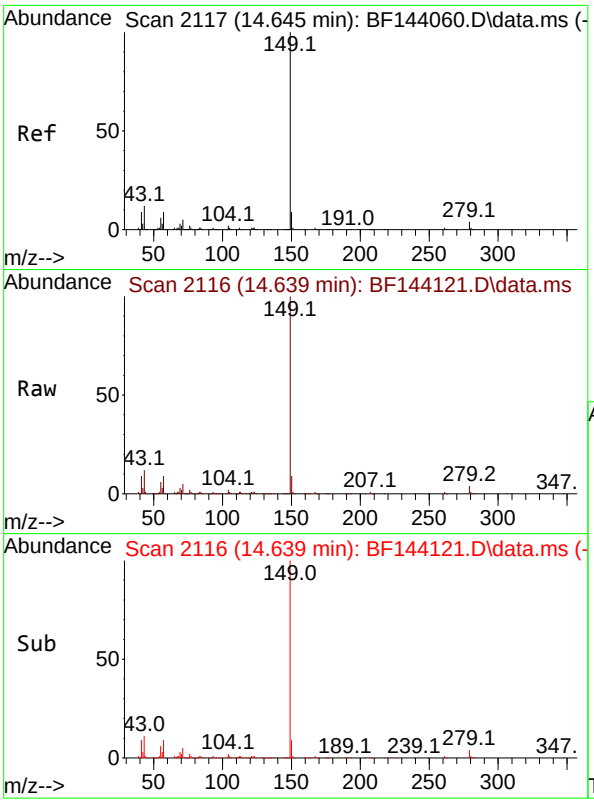


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.623 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 242344

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.5	33.7
279	4.8	3.6	5.4



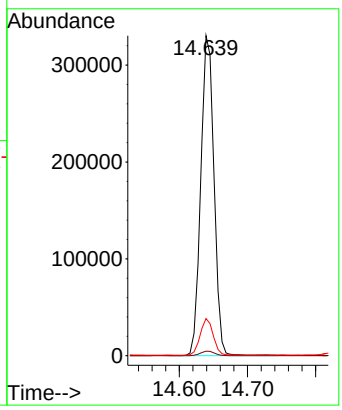


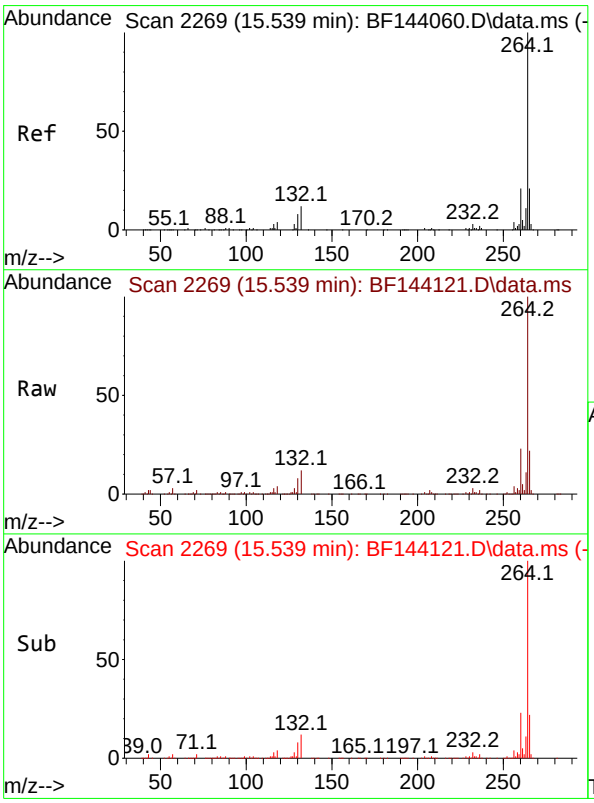
#85
Di-n-octyl phthalate
Concen: 45.619 ng
RT: 14.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 446067

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.3	9.3	13.9

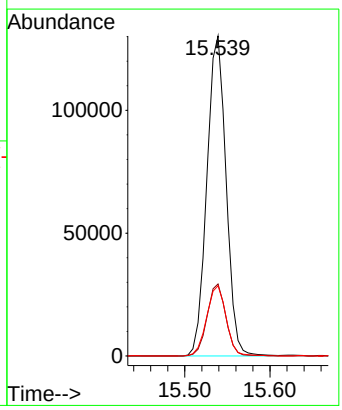


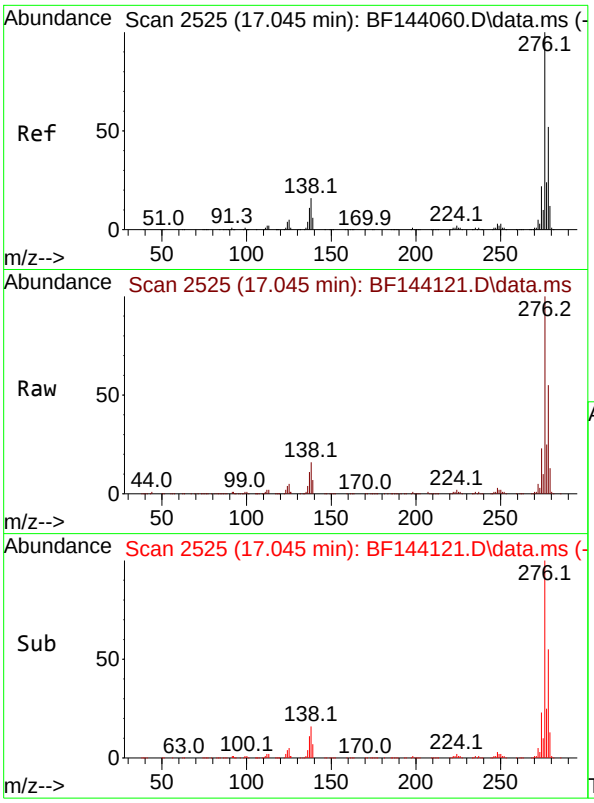


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:264 Resp: 204043

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.0	25.4
265	21.9	16.6	24.8



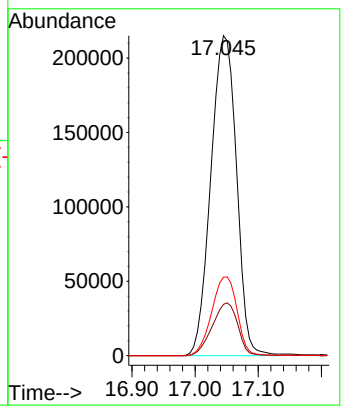


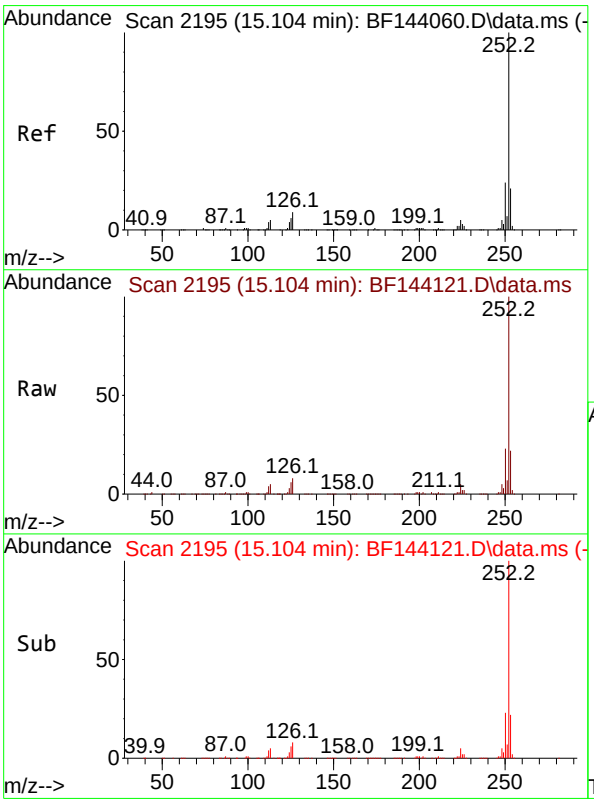
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.307 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 606674

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.6
277	24.4	19.4	29.0

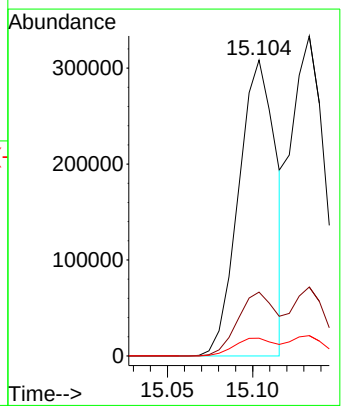


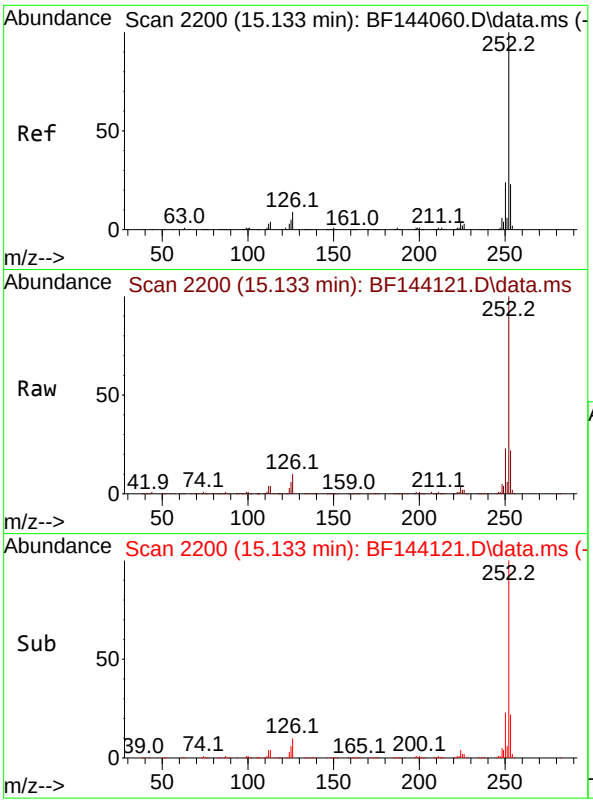


#88
Benzo(b)fluoranthene
Concen: 40.544 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:252 Resp: 467688

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	6.0	5.0	7.6



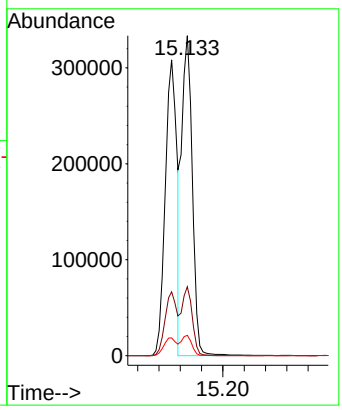


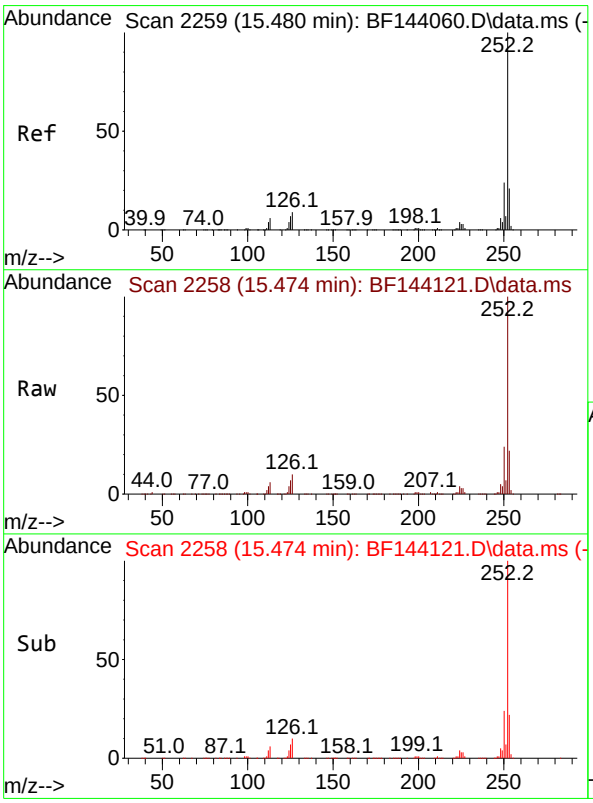
#89
Benzo(k)fluoranthene
Concen: 43.376 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 461643

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	6.3	4.9	7.3

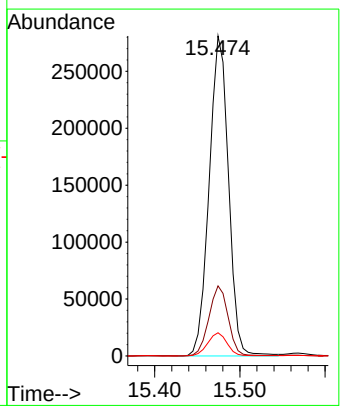


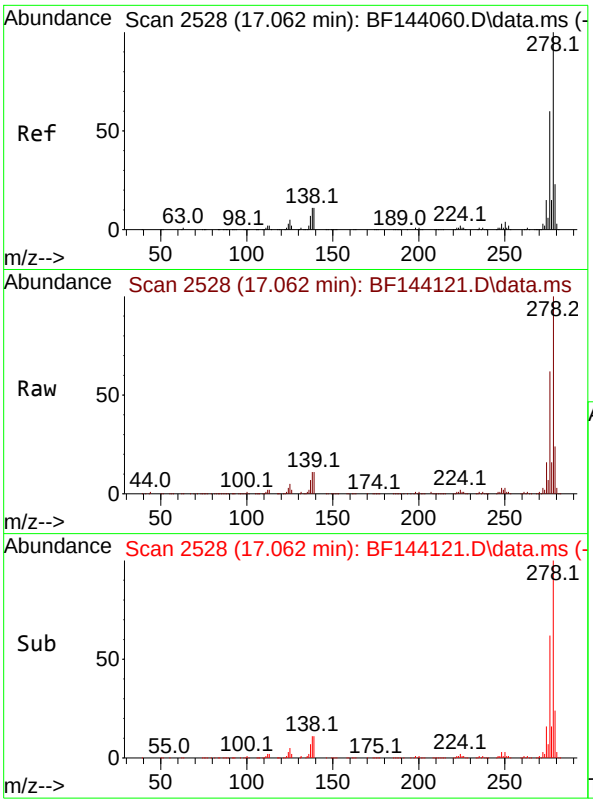


#90
Benzo(a)pyrene
Concen: 42.801 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:252 Resp: 442928

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	7.2	5.4	8.2



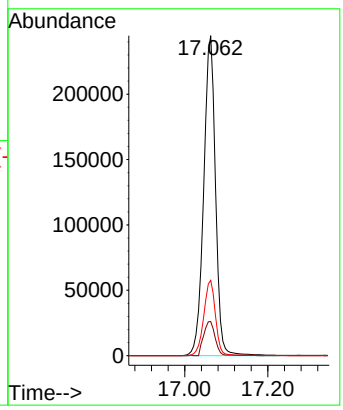


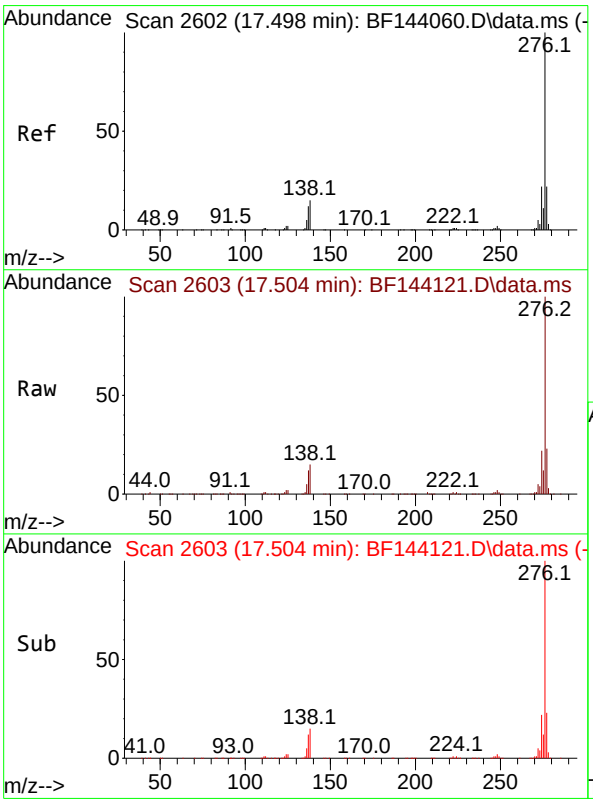
#91
Dibenzo(a,h)anthracene
Concen: 43.651 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 484044

Ion	Ratio	Lower	Upper
278	100		
139	10.6	8.5	12.7
279	23.6	18.6	28.0

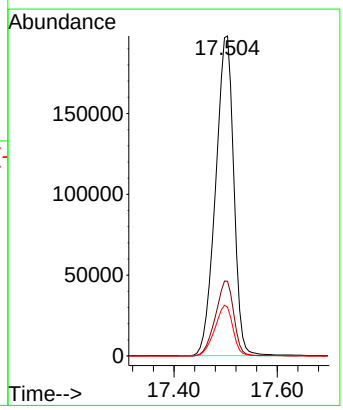




#92
Benzo(g,h,i)perylene
Concen: 43.293 ng
RT: 17.504 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:276 Resp: 482661

Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	15.2	12.0	18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00
2		1,4-Dioxane	0.546	0.560	-2.6	127	-0.02
3		Pyridine	1.462	1.578	-7.9	128	-0.02
4		n-Nitrosodimethylamine	0.899	0.823	8.5	112	-0.02
5	S	2-Fluorophenol	1.264	1.346	-6.5	128	0.00
6		Aniline	1.997	2.098	-5.1	129	0.00
7	S	Phenol-d6	1.396	1.460	-4.6	129	0.00
8		2-Chlorophenol	1.245	1.283	-3.1	127	0.00
9		Benzaldehyde	1.084	1.051	3.0	125	0.00
10	C	Phenol	1.722	1.843	-7.0	132	0.00
11		bis(2-Chloroethyl)ether	1.245	1.332	-7.0	133	0.00
12		1,3-Dichlorobenzene	1.536	1.628	-6.0	129	0.00
13	C	1,4-Dichlorobenzene	1.513	1.602	-5.9	128	0.00
14		1,2-Dichlorobenzene	1.464	1.518	-3.7	127	0.00
15		Benzyl Alcohol	1.135	1.172	-3.3	127	0.00
16		2,2'-oxybis(1-Chloropropane	2.339	2.460	-5.2	129	0.00
17		2-Methylphenol	0.957	1.014	-6.0	135	0.00
18		Hexachloroethane	0.541	0.545	-0.7	124	0.00
19	P	n-Nitroso-di-n-propylamine	0.903	0.927	-2.7	131	0.00
20		3+4-Methylphenols	1.132	1.224	-8.1	130	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	130	0.00
22		Acetophenone	0.432	0.429	0.7	128	0.00
23	S	Nitrobenzene-d5	0.365	0.361	1.1	128	0.00
24		Nitrobenzene	0.386	0.394	-2.1	131	0.00
25		Isophorone	0.638	0.649	-1.7	132	0.00
26	C	2-Nitrophenol	0.184	0.193	-4.9	132	0.00
27		2,4-Dimethylphenol	0.273	0.290	-6.2	132	0.00
28		bis(2-Chloroethoxy)methane	0.398	0.409	-2.8	132	0.00
29	C	2,4-Dichlorophenol	0.317	0.328	-3.5	132	0.00
30		1,2,4-Trichlorobenzene	0.327	0.334	-2.1	130	0.00
31		Naphthalene	0.944	0.957	-1.4	129	0.00
32		Benzoic acid	0.173	0.188	-8.7	168#	0.00
33		4-Chloroaniline	0.329	0.349	-6.1	135	0.00
34	C	Hexachlorobutadiene	0.267	0.260	2.6	126	0.00
35		Caprolactam	0.080	0.084	-5.0	130	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.296	-5.7	137	0.00
37		2-Methylnaphthalene	0.622	0.630	-1.3	128	0.00
38		1-Methylnaphthalene	0.590	0.599	-1.5	132	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	135	0.00
40		1,2,4,5-Tetrachlorobenzene	0.687	0.695	-1.2	133	0.00
41	P	Hexachlorocyclopentadiene	0.212	0.181	14.6	112	0.00
42	S	2,4,6-Tribromophenol	0.255	0.252	1.2	130	0.00
43	C	2,4,6-Trichlorophenol	0.447	0.466	-4.3	134	0.00
44		2,4,5-Trichlorophenol	0.469	0.490	-4.5	142	0.00
45	S	2-Fluorobiphenyl	1.421	1.368	3.7	128	0.00
46		1,1'-Biphenyl	1.432	1.430	0.1	132	0.00
47		2-Chloronaphthalene	1.199	1.242	-3.6	138	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.356	0.357	-0.3	127	0.00
49		Acenaphthylene	1.617	1.679	-3.8	134	0.00
50		Dimethylphthalate	1.311	1.355	-3.4	134	0.00
51		2,6-Dinitrotoluene	0.259	0.272	-5.0	134	0.00
52	C	Acenaphthene	1.080	1.076	0.4	131	0.00
53		3-Nitroaniline	0.288	0.311	-8.0	131	0.00
54	P	2,4-Dinitrophenol	0.140	0.135	3.6	148	0.00
55		Dibenzofuran	1.499	1.529	-2.0	133	0.00
56	P	4-Nitrophenol	0.195	0.193	1.0	140	0.00
57		2,4-Dinitrotoluene	0.350	0.369	-5.4	130	0.00
58		Fluorene	1.143	1.160	-1.5	132	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.352	-6.7	132	0.00
60		Diethylphthalate	1.233	1.231	0.2	129	0.00
61		4-Chlorophenyl-phenylether	0.643	0.660	-2.6	132	0.00
62		4-Nitroaniline	0.273	0.277	-1.5	127	0.00
63		Azobenzene	1.167	1.166	0.1	128	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.128	0.0	135	0.00
66	c	n-Nitrosodiphenylamine	0.639	0.669	-4.7	135	0.00
67		4-Bromophenyl-phenylether	0.250	0.265	-6.0	132	0.00
68		Hexachlorobenzene	0.307	0.310	-1.0	125	0.00
69		Atrazine	0.210	0.208	1.0	129	0.00
70	C	Pentachlorophenol	0.146	0.162	-11.0	141	0.00
71		Phenanthrene	0.994	1.031	-3.7	132	0.00
72		Anthracene	1.026	1.051	-2.4	129	0.00
73		Carbazole	0.874	0.888	-1.6	127	0.00
74		Di-n-butylphthalate	1.071	1.096	-2.3	127	0.00
75	C	Fluoranthene	1.098	1.097	0.1	127	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77		Benzidine	0.622	0.657	-5.6	122	0.00
78		Pyrene	1.438	1.509	-4.9	123	0.00
79	S	Terphenyl-d14	1.144	1.166	-1.9	119	0.00
80		Butylbenzylphthalate	0.544	0.562	-3.3	116	0.00
81		Benzo(a)anthracene	1.352	1.439	-6.4	118	0.00
82		3,3'-Dichlorobenzidine	0.470	0.520	-10.6	126	0.00
83		Chrysene	1.268	1.339	-5.6	126	0.00
84		Bis(2-ethylhexyl)phthalate	0.743	0.791	-6.5	123	0.00
85	c	Di-n-octyl phthalate	1.277	1.456	-14.0	129	0.00
86	I	Perylene-d12	1.000	1.000	0.0	133	0.00
87		Indeno(1,2,3-cd)pyrene	1.373	1.487	-8.3	134	0.00
88		Benzo(b)fluoranthene	1.131	1.146	-1.3	121	0.00
89		Benzo(k)fluoranthene	1.043	1.131	-8.4	143	0.00
90	C	Benzo(a)pyrene	1.014	1.085	-7.0	133	0.00
91		Dibenzo(a,h)anthracene	1.087	1.186	-9.1	136	0.00
92		Benzo(g,h,i)perylene	1.093	1.183	-8.2	132	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	124	0.00
2		1,4-Dioxane	40.000	41.016	-2.5	127	-0.02
3		Pyridine	40.000	43.152	-7.9	128	-0.02
4		n-Nitrosodimethylamine	40.000	36.615	8.5	112	-0.02
5	S	2-Fluorophenol	80.000	85.206	-6.5	128	0.00
6		Aniline	40.000	42.009	-5.0	129	0.00
7	S	Phenol-d6	80.000	83.686	-4.6	129	0.00
8		2-Chlorophenol	40.000	41.239	-3.1	127	0.00
9		Benzaldehyde	40.000	38.777	3.1	125	0.00
10	C	Phenol	40.000	42.796	-7.0	132	0.00
11		bis(2-Chloroethyl)ether	40.000	42.797	-7.0	133	0.00
12		1,3-Dichlorobenzene	40.000	42.415	-6.0	129	0.00
13	C	1,4-Dichlorobenzene	40.000	42.348	-5.9	128	0.00
14		1,2-Dichlorobenzene	40.000	41.472	-3.7	127	0.00
15		Benzyl Alcohol	40.000	41.303	-3.3	127	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.062	-5.2	129	0.00
17		2-Methylphenol	40.000	42.361	-5.9	135	0.00
18		Hexachloroethane	40.000	40.302	-0.8	124	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.075	-2.7	131	0.00
20		3+4-Methylphenols	40.000	43.254	-8.1	130	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	130	0.00
22		Acetophenone	40.000	39.693	0.8	128	0.00
23	S	Nitrobenzene-d5	80.000	79.215	1.0	128	0.00
24		Nitrobenzene	40.000	40.760	-1.9	131	0.00
25		Isophorone	40.000	40.647	-1.6	132	0.00
26	C	2-Nitrophenol	40.000	42.017	-5.0	132	0.00
27		2,4-Dimethylphenol	40.000	42.492	-6.2	132	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.132	-2.8	132	0.00
29	C	2,4-Dichlorophenol	40.000	41.318	-3.3	132	0.00
30		1,2,4-Trichlorobenzene	40.000	40.926	-2.3	130	0.00
31		Naphthalene	40.000	40.566	-1.4	129	0.00
32		Benzoic acid	40.000	43.387	-8.5	168	0.00
33		4-Chloroaniline	40.000	42.453	-6.1	135	0.00
34	C	Hexachlorobutadiene	40.000	38.895	2.8	126	0.00
35		Caprolactam	40.000	42.378	-5.9	130	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.237	-5.6	137	0.00
37		2-Methylnaphthalene	40.000	40.463	-1.2	128	0.00
38		1-Methylnaphthalene	40.000	40.665	-1.7	132	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	135	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.433	-1.1	133	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.011	15.0	112	0.00
42	S	2,4,6-Tribromophenol	80.000	79.017	1.2	130	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.760	-4.4	134	0.00
44		2,4,5-Trichlorophenol	40.000	41.791	-4.5	142	0.00
45	S	2-Fluorobiphenyl	80.000	77.029	3.7	128	0.00
46		1,1'-Biphenyl	40.000	39.957	0.1	132	0.00
47		2-Chloronaphthalene	40.000	41.405	-3.5	138	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.037	-0.1	127	0.00
49		Acenaphthylene	40.000	41.536	-3.8	134	0.00
50		Dimethylphthalate	40.000	41.342	-3.4	134	0.00
51		2,6-Dinitrotoluene	40.000	42.046	-5.1	134	0.00
52	C	Acenaphthene	40.000	39.855	0.4	131	0.00
53		3-Nitroaniline	40.000	43.238	-8.1	131	0.00
54	P	2,4-Dinitrophenol	40.000	38.660	3.4	148	0.00
55		Dibenzofuran	40.000	40.786	-2.0	133	0.00
56	P	4-Nitrophenol	40.000	39.550	1.1	140	0.00
57		2,4-Dinitrotoluene	40.000	42.178	-5.4	130	0.00
58		Fluorene	40.000	40.609	-1.5	132	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.612	-6.5	132	0.00
60		Diethylphthalate	40.000	39.944	0.1	129	0.00
61		4-Chlorophenyl-phenylether	40.000	41.094	-2.7	132	0.00
62		4-Nitroaniline	40.000	40.525	-1.3	127	0.00
63		Azobenzene	40.000	39.963	0.1	128	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	130	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.830	0.4	135	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.875	-4.7	135	0.00
67		4-Bromophenyl-phenylether	40.000	42.302	-5.8	132	0.00
68		Hexachlorobenzene	40.000	40.395	-1.0	125	0.00
69		Atrazine	40.000	39.616	1.0	129	0.00
70	C	Pentachlorophenol	40.000	44.431	-11.1	141	0.00
71		Phenanthrene	40.000	41.526	-3.8	132	0.00
72		Anthracene	40.000	40.944	-2.4	129	0.00
73		Carbazole	40.000	40.663	-1.7	127	0.00
74		Di-n-butylphthalate	40.000	40.941	-2.4	127	0.00
75	C	Fluoranthene	40.000	39.974	0.1	127	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77		Benzidine	40.000	42.231	-5.6	122	0.00
78		Pyrene	40.000	41.969	-4.9	123	0.00
79	S	Terphenyl-d14	80.000	81.522	-1.9	119	0.00
80		Butylbenzylphthalate	40.000	41.351	-3.4	116	0.00
81		Benzo(a)anthracene	40.000	42.586	-6.5	118	0.00
82		3,3'-Dichlorobenzidine	40.000	44.172	-10.4	126	0.00
83		Chrysene	40.000	42.239	-5.6	126	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.623	-6.6	123	0.00
85	c	Di-n-octyl phthalate	40.000	45.619	-14.0	129	0.00
86	I	Perylene-d12	20.000	20.000	0.0	133	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.307	-8.3	134	0.00
88		Benzo(b)fluoranthene	40.000	40.544	-1.4	121	0.00
89		Benzo(k)fluoranthene	40.000	43.376	-8.4	143	0.00
90	C	Benzo(a)pyrene	40.000	42.801	-7.0	133	0.00
91		Dibenzo(a,h)anthracene	40.000	43.651	-9.1	136	0.00
92		Benzo(g,h,i)perylene	40.000	43.293	-8.2	132	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	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: 10/28/2025 13:45

Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.584	1.484		-6.3	
2-Fluorophenol	1.192	1.244		4.4	
Phenol-d6	1.635	1.675		2.4	
1,4-Dichlorobenzene	1.460	1.522		4.2	20.0
2-Methylphenol	1.201	1.245		3.7	
3+4-Methylphenols	1.688	1.671		-1.0	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
2,4-Dinitrotoluene	0.340	0.374		10.0	
2,4,6-Tribromophenol	0.289	0.305		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Pentachlorophenol	0.169	0.180		6.5	20.0
Terphenyl-d14	1.060	1.051		-0.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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	8.219	152	28654	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	112694	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	87446	20.000	ng		0.00
64) Phenanthrene-d10	17.573	188	216707	20.000	ng		0.00
76) Chrysene-d12	21.850	240	273944	20.000	ng		0.00
86) Perylene-d12	25.187	264	304830	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.740	112	142616	83.542	ng		0.00
7) Phenol-d6	7.349	99	191982	81.955	ng		0.00
23) Nitrobenzene-d5	9.382	82	162656	86.691	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	106515	84.394	ng		0.00
45) 2-Fluorobiphenyl	13.472	172	484009	83.896	ng		0.00
79) Terphenyl-d14	20.164	244	1151331	79.314	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.583	88	28627	37.877	ng		96
3) Pyridine	3.995	79	85039	37.468	ng		96
4) n-Nitrosodimethylamine	3.901	42	48193	39.595	ng		98
6) Aniline	7.526	93	131167	41.150	ng		97
8) 2-Chlorophenol	7.773	128	71365	39.939	ng		97
9) Benzaldehyde	7.338	77	50881	39.786	ng		98
10) Phenol	7.373	94	108177	41.757	ng		93
11) bis(2-Chloroethyl)ether	7.620	93	79327	41.648	ng		98
12) 1,3-Dichlorobenzene	8.107	146	85428	41.539	ng		99
13) 1,4-Dichlorobenzene	8.254	146	87240	41.719	ng		92
14) 1,2-Dichlorobenzene	8.577	146	82629	40.967	ng		97
15) Benzyl Alcohol	8.442	79	75132	38.894	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.736	45	222337	44.501	ng		98
17) 2-Methylphenol	8.642	107	71327	41.468	ng		95
18) Hexachloroethane	9.324	117	31601	43.063	ng		91
19) n-Nitroso-di-n-propyla...	9.018	70	69339	42.830	ng		98
20) 3+4-Methylphenols	8.971	107	95766	39.590	ng		98
22) Acetophenone	9.036	105	131316	42.627	ng	#	99
24) Nitrobenzene	9.424	77	88243	43.241	ng		99
25) Isophorone	9.952	82	195962	43.526	ng		98
26) 2-Nitrophenol	10.140	139	30416	39.240	ng		95
27) 2,4-Dimethylphenol	10.187	122	72780	43.459	ng		92
28) bis(2-Chloroethoxy)met...	10.428	93	110021	42.920	ng		99
29) 2,4-Dichlorophenol	10.675	162	75996	42.166	ng		98
30) 1,2,4-Trichlorobenzene	10.904	180	88031	42.989	ng		94
31) Naphthalene	11.092	128	267088	42.747	ng		98
32) Benzoic acid	10.293	122	36127	30.728	ng		94
33) 4-Chloroaniline	11.186	127	102047	42.020	ng		96
34) Hexachlorobutadiene	11.386	225	67950	42.430	ng		97
35) Caprolactam	11.944	113	27418	39.664	ng	#	82
36) 4-Chloro-3-methylphenol	12.285	107	91886	42.414	ng		95
37) 2-Methylnaphthalene	12.684	142	195870	42.698	ng		99
38) 1-Methylnaphthalene	12.902	142	190905	42.038	ng		100
40) 1,2,4,5-Tetrachloroben...	13.049	216	124461	42.409	ng		99
41) Hexachlorocyclopentadiene	13.037	237	57178	43.286	ng		96
43) 2,4,6-Trichlorophenol	13.272	196	71291	42.468	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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

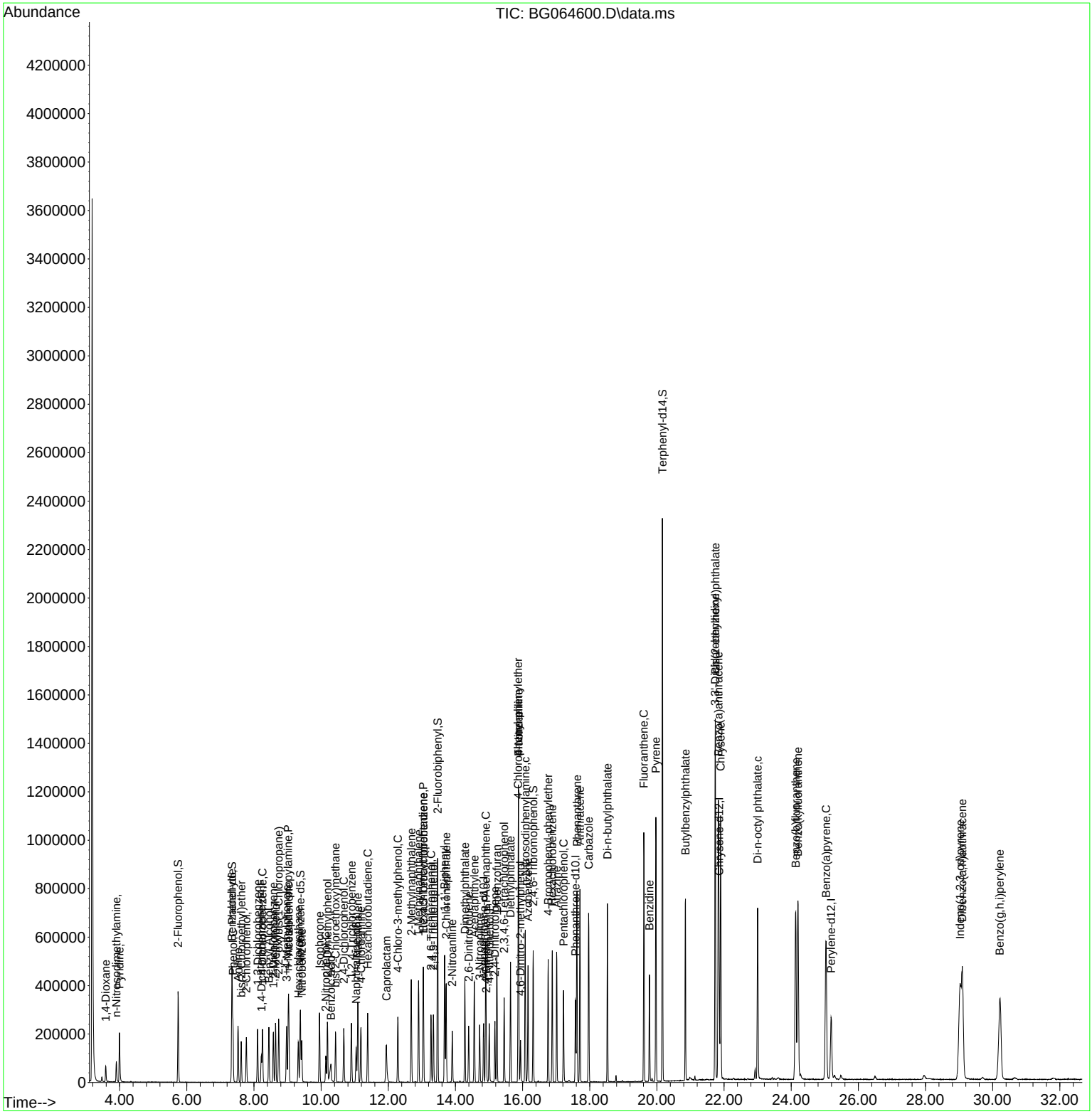
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.342	196	80887	41.754	ng		99
46) 1,1'-Biphenyl	13.677	154	264348	42.521	ng		98
47) 2-Chloronaphthalene	13.724	162	199722	42.561	ng		99
48) 2-Nitroaniline	13.906	65	56752	36.830	ng		95
49) Acenaphthylene	14.565	152	314519	42.492	ng		100
50) Dimethylphthalate	14.283	163	275910	41.234	ng		100
51) 2,6-Dinitrotoluene	14.394	165	41085	37.929	ng		97
52) Acenaphthene	14.905	154	215218	42.558	ng		99
53) 3-Nitroaniline	14.723	138	50696	44.086	ng		98
54) 2,4-Dinitrophenol	14.923	184	27617	43.496	ng		79
55) Dibenzofuran	15.234	168	344095	42.088	ng		96
56) 4-Nitrophenol	15.011	139	45706	42.870	ng		92
57) 2,4-Dinitrotoluene	15.176	165	65358	38.904	ng	#	98
58) Fluorene	15.881	166	273843	42.889	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.452	232	78718	42.494	ng		99
60) Diethylphthalate	15.640	149	283156	41.444	ng		98
61) 4-Chlorophenyl-phenyle...	15.869	204	152906	42.673	ng		97
62) 4-Nitroaniline	15.881	138	59041	46.150	ng		95
63) Azobenzene	16.163	77	272127	43.410	ng		97
65) 4,6-Dinitro-2-methylph...	15.939	198	41592	44.112	ng		93
66) n-Nitrosodiphenylamine	16.080	169	245458	41.931	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	108377	42.202	ng		98
68) Hexachlorobenzene	16.885	284	124024	42.333	ng		97
69) Atrazine	17.015	200	100596	39.933	ng		97
70) Pentachlorophenol	17.220	266	77871	42.624	ng		94
71) Phenanthrene	17.620	178	508872	42.940	ng		99
72) Anthracene	17.708	178	519429	43.088	ng		100
73) Carbazole	17.966	167	461150	43.381	ng		99
74) Di-n-butylphthalate	18.525	149	509848	41.476	ng		99
75) Fluoranthene	19.612	202	657820	44.309	ng		100
77) Benzidine	19.776	184	263080	42.865	ng		99
78) Pyrene	19.970	202	701611	39.200	ng		99
80) Butylbenzylphthalate	20.851	149	223322	41.284	ng		98
81) Benzo(a)anthracene	21.833	228	783360	43.127	ng		99
82) 3,3'-Dichlorobenzidine	21.733	252	264664	43.634	ng		99
83) Chrysene	21.897	228	737979	42.699	ng		99
84) Bis(2-ethylhexyl)phtha...	21.738	149	338648	41.896	ng		99
85) Di-n-octyl phthalate	23.002	149	585842	42.989	ng		99
87) Indeno(1,2,3-cd)pyrene	29.030	276	965926	43.075	ng		99
88) Benzo(b)fluoranthene	24.136	252	782982	41.888	ng		100
89) Benzo(k)fluoranthene	24.200	252	795148	42.510	ng		98
90) Benzo(a)pyrene	25.041	252	732498	42.632	ng		98
91) Dibenzo(a,h)anthracene	29.095	278	787525	43.228	ng		97
92) Benzo(g,h,i)perylene	30.211	276	743544	42.724	ng		98

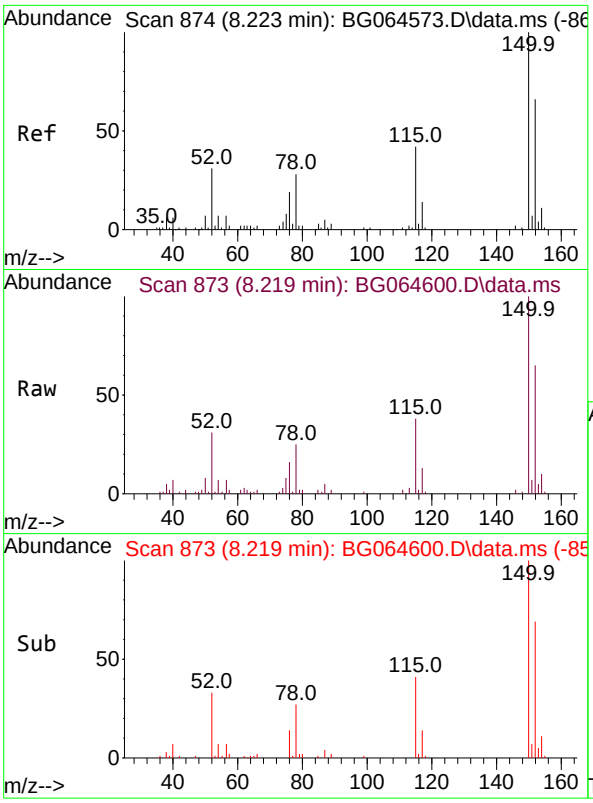
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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



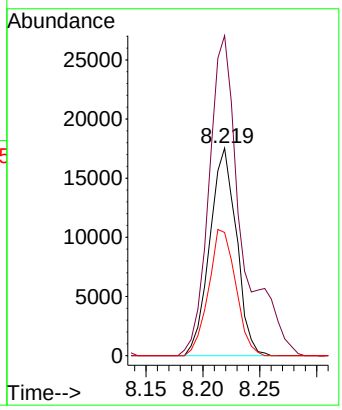


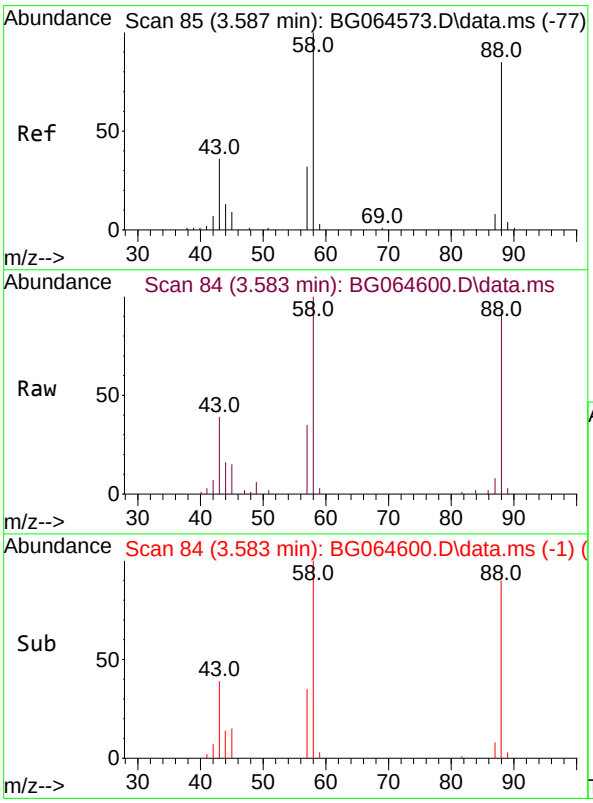
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 28654

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.2	183.4
115	59.3	50.8	76.2

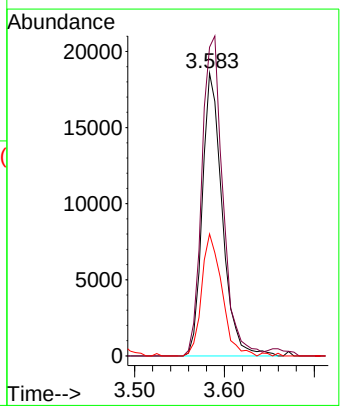


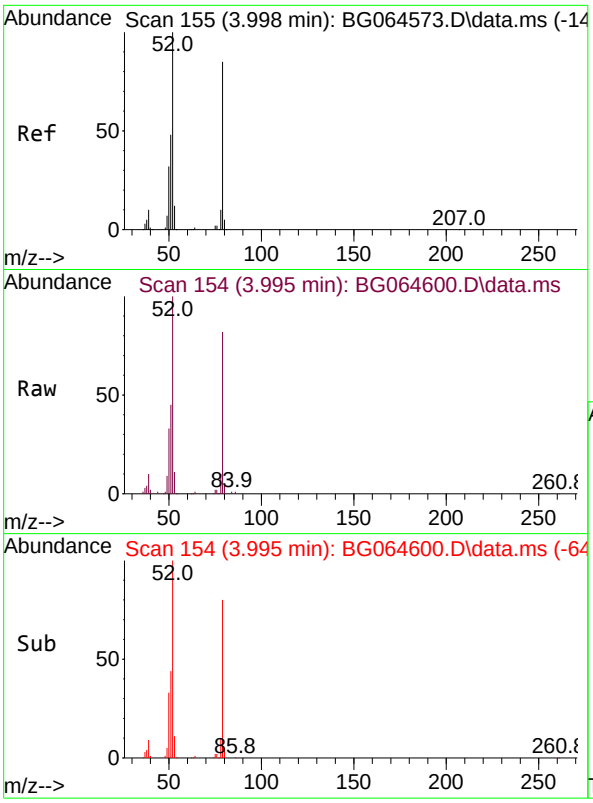


#2
1,4-Dioxane
Concen: 37.877 ng
RT: 3.583 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 88 Resp: 28627

Ion	Ratio	Lower	Upper
88	100		
58	119.2	92.4	138.6
43	43.7	33.0	49.6



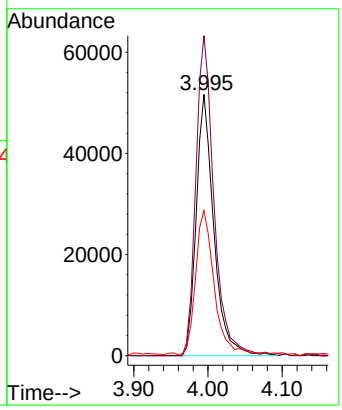


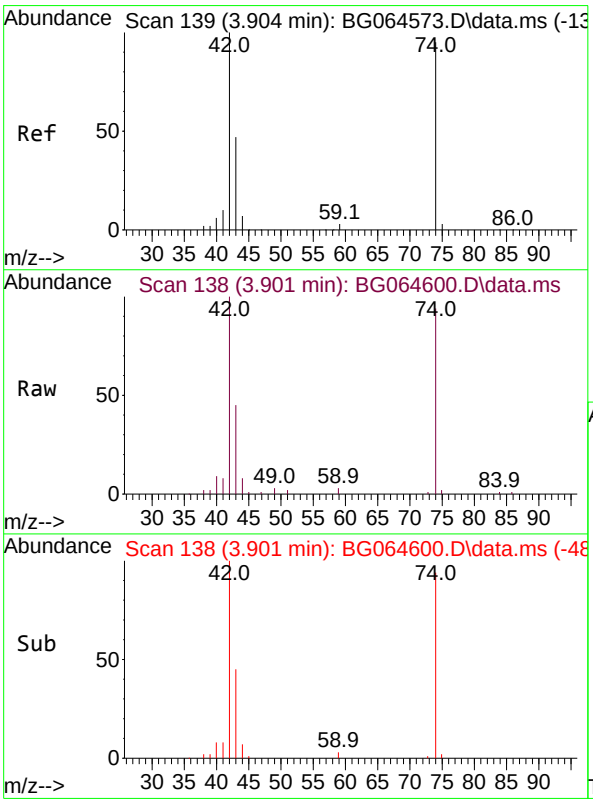
#3
Pyridine
Concen: 37.468 ng
RT: 3.995 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 85039

Ion	Ratio	Lower	Upper
79	100		
52	122.5	94.2	141.2
51	55.5	46.1	69.1

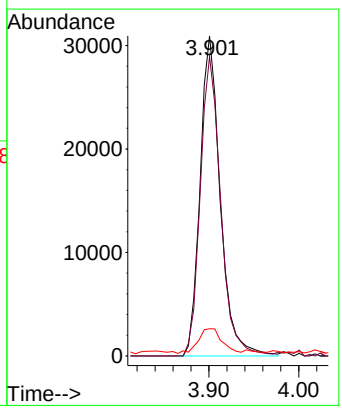


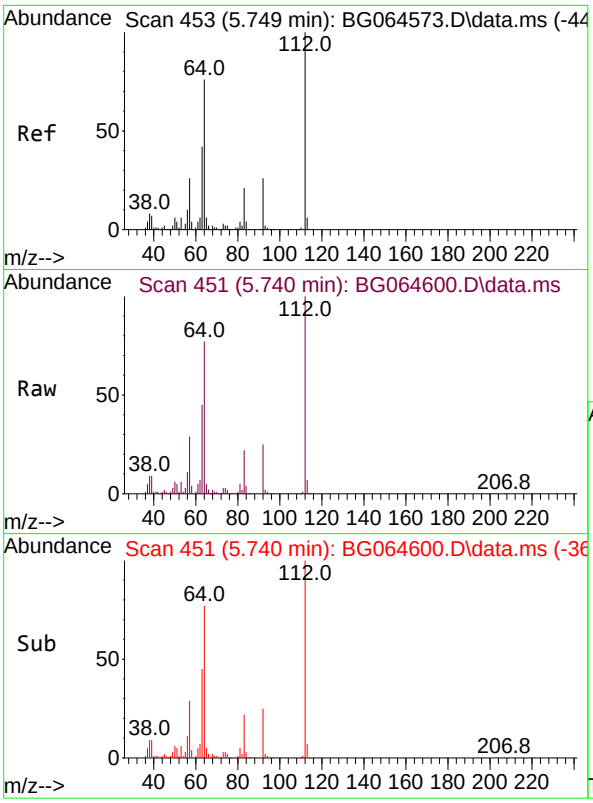


#4
n-Nitrosodimethylamine
Concen: 39.595 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 42 Resp: 48193

Ion	Ratio	Lower	Upper
42	100		
74	93.5	76.1	114.1
44	8.5	6.3	9.5



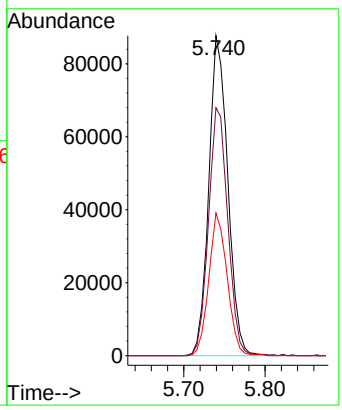


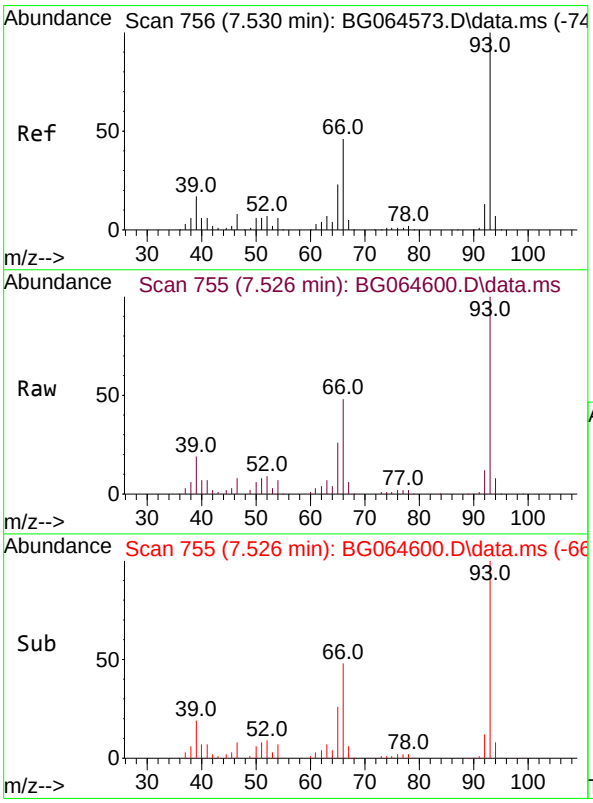
#5
2-Fluorophenol
Concen: 83.542 ng
RT: 5.740 min Scan# 4
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 142616

Ion	Ratio	Lower	Upper
112	100		
64	77.5	60.7	91.1
63	44.5	33.4	50.0

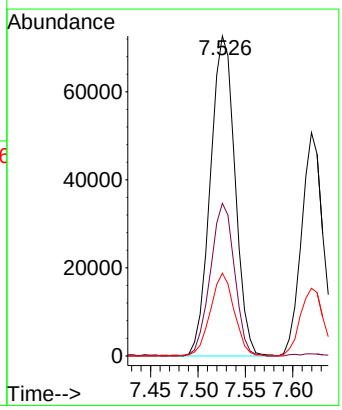


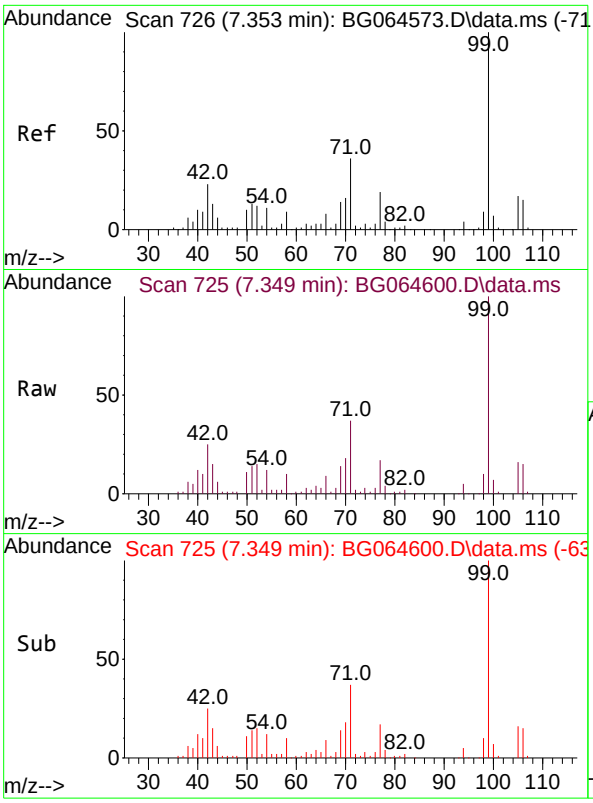


#6
Aniline
Concen: 41.150 ng
RT: 7.526 min Scan# 755
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 131167

Ion	Ratio	Lower	Upper
93	100		
66	47.7	37.0	55.6
65	25.9	18.3	27.5



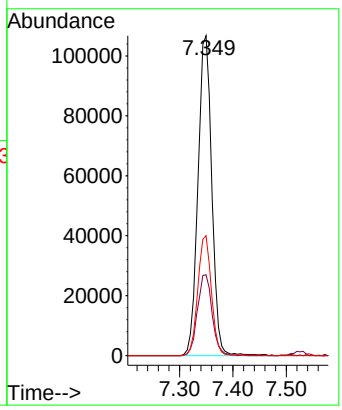


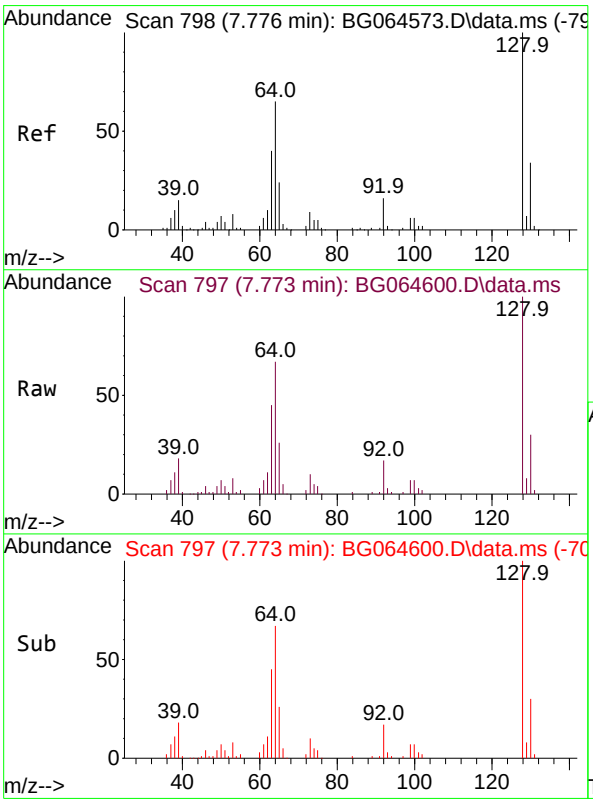
#7
Phenol-d6
Concen: 81.955 ng
RT: 7.349 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 191982

Ion	Ratio	Lower	Upper
99	100		
42	25.3	18.3	27.5
71	37.5	28.6	43.0

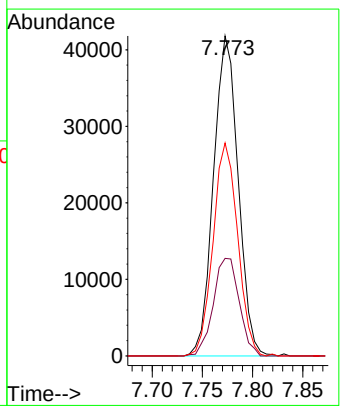


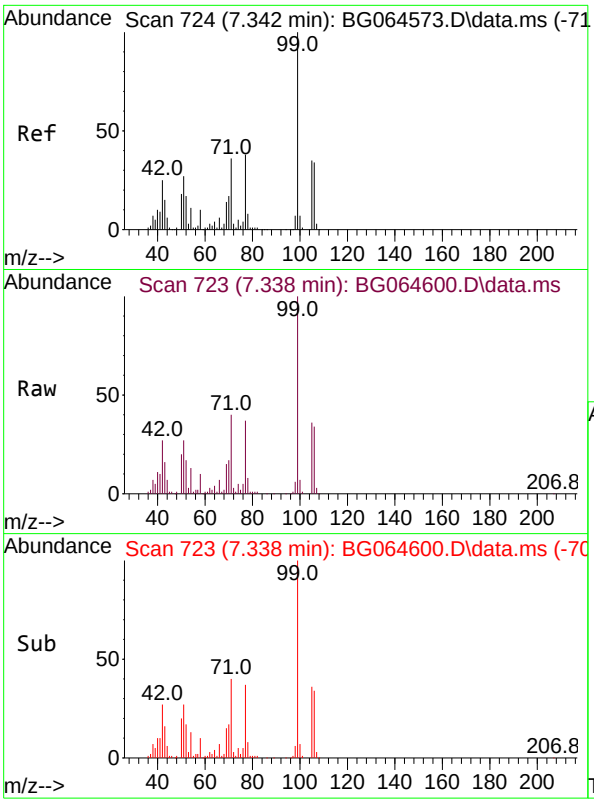


#8
2-Chlorophenol
Concen: 39.939 ng
RT: 7.773 min Scan# 797
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:128 Resp: 71365

Ion	Ratio	Lower	Upper
128	100		
130	30.5	13.5	53.5
64	66.5	45.2	85.2



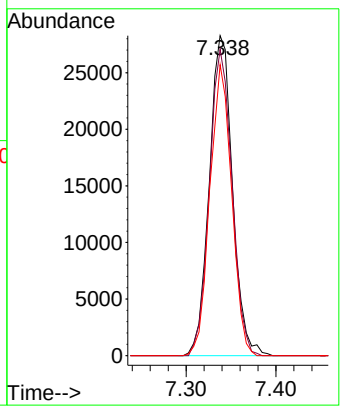


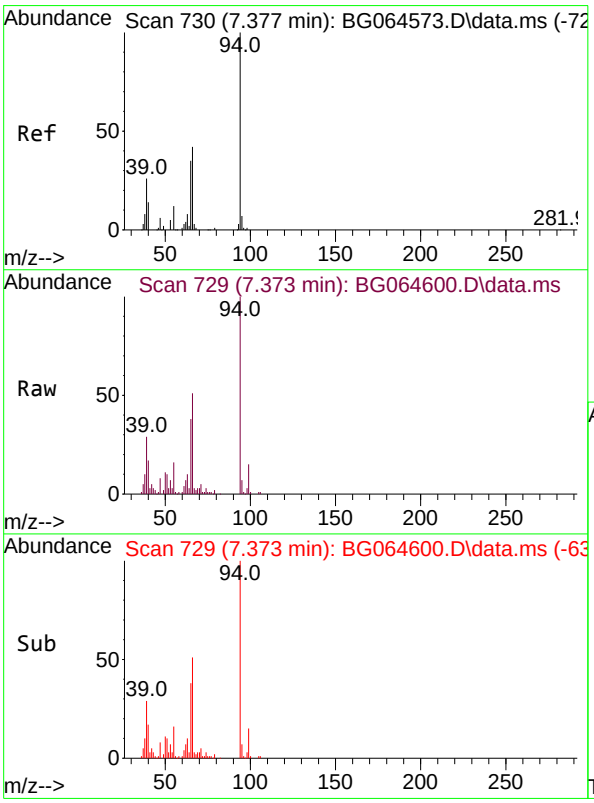
#9
Benzaldehyde
Concen: 39.786 ng
RT: 7.338 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 50881

Ion	Ratio	Lower	Upper
77	100		
105	95.7	72.9	112.9
106	90.9	70.8	110.8

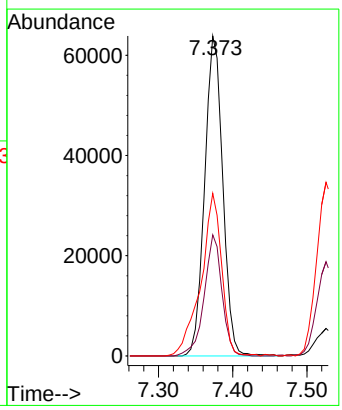


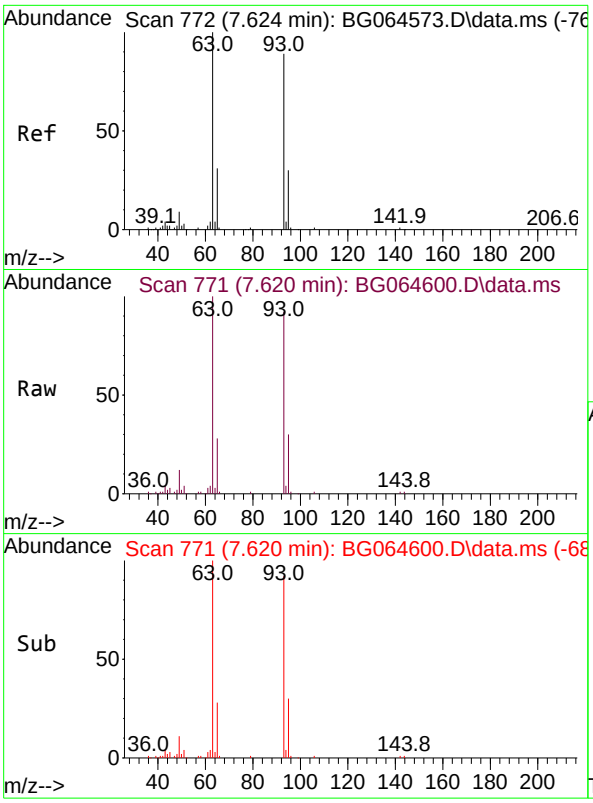


#10
Phenol
Concen: 41.757 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 94 Resp: 108177

Ion	Ratio	Lower	Upper
94	100		
65	37.8	15.8	55.8
66	50.8	24.0	64.0



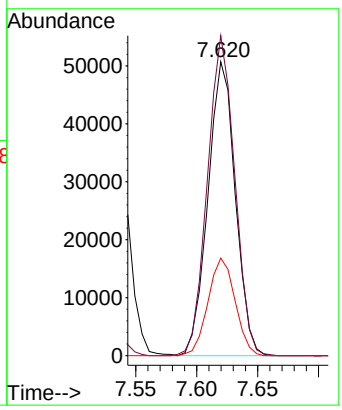


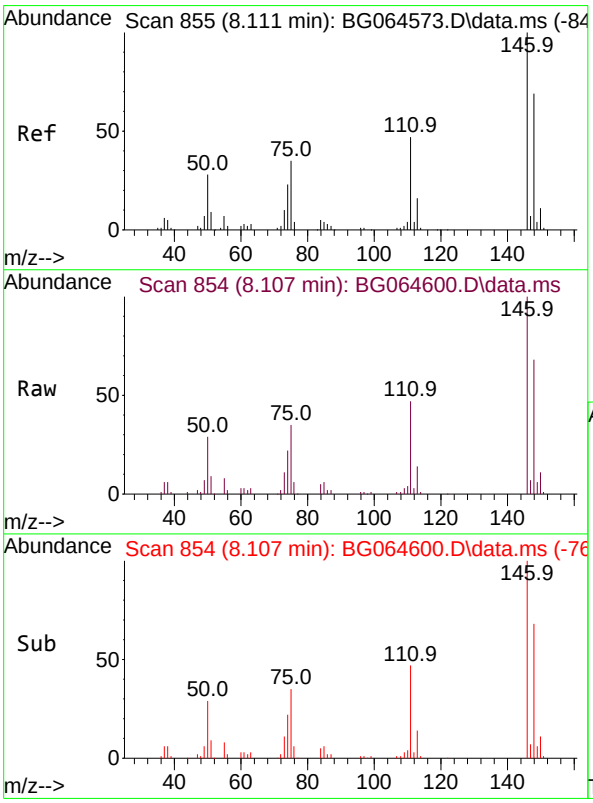
#11
bis(2-Chloroethyl)ether
Concen: 41.648 ng
RT: 7.620 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 79327

Ion	Ratio	Lower	Upper
93	100		
63	108.9	91.3	131.3
95	33.2	13.3	53.3

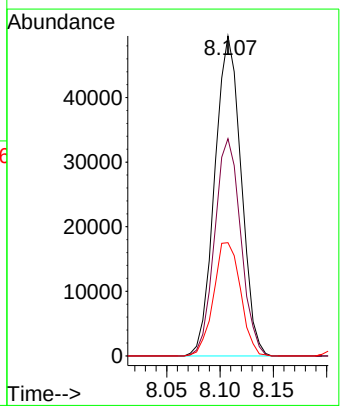


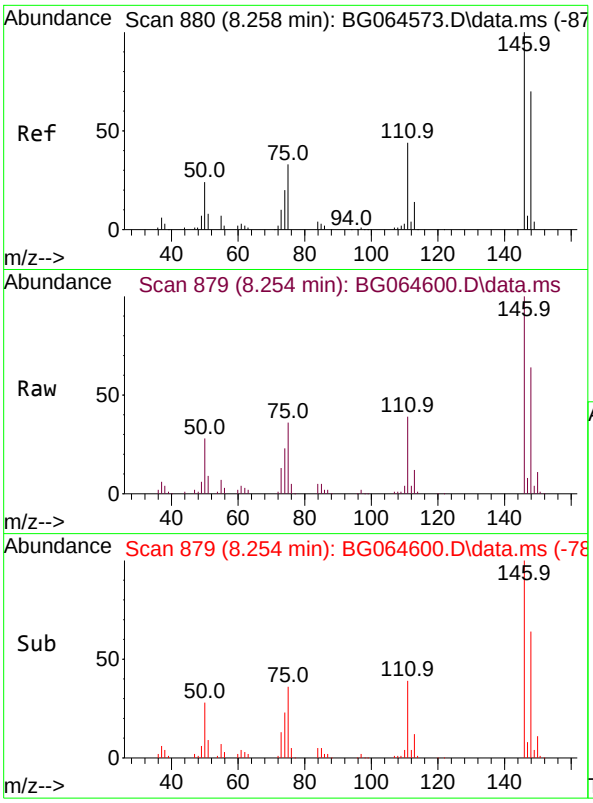


#12
1,3-Dichlorobenzene
Concen: 41.539 ng
RT: 8.107 min Scan# 854
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 85428

Ion	Ratio	Lower	Upper
146	100		
148	67.9	55.3	82.9
75	35.4	28.2	42.2



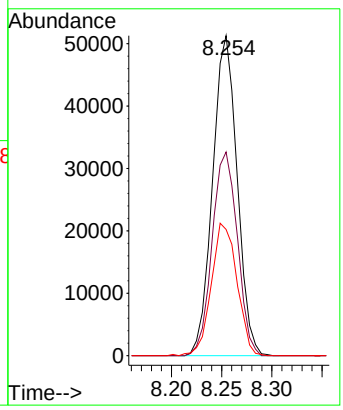


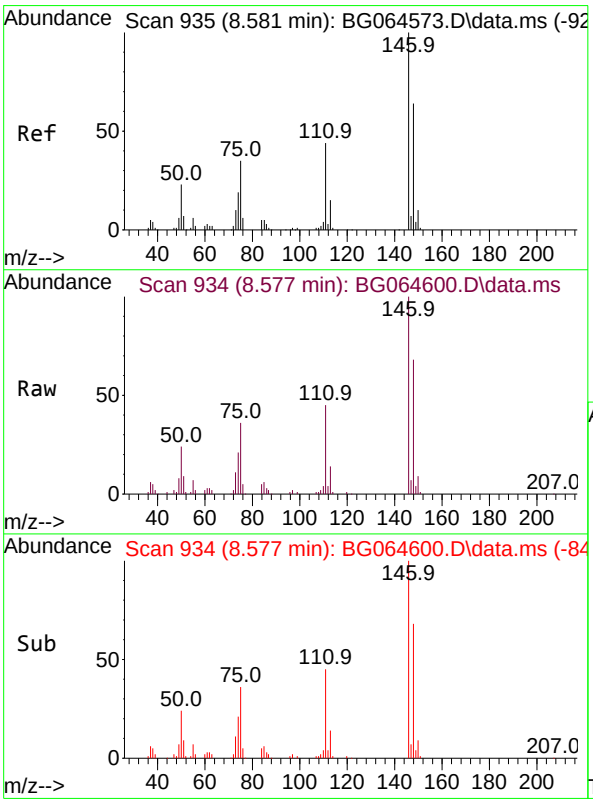
#13
1,4-Dichlorobenzene
Concen: 41.719 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 87240

Ion	Ratio	Lower	Upper
146	100		
148	63.6	56.2	84.4
111	39.4	35.4	53.0

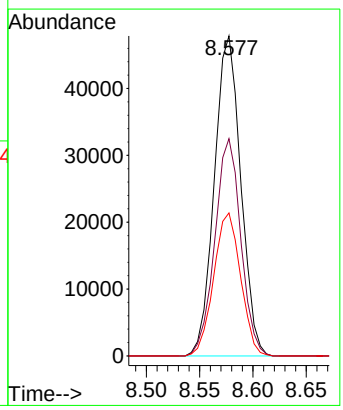


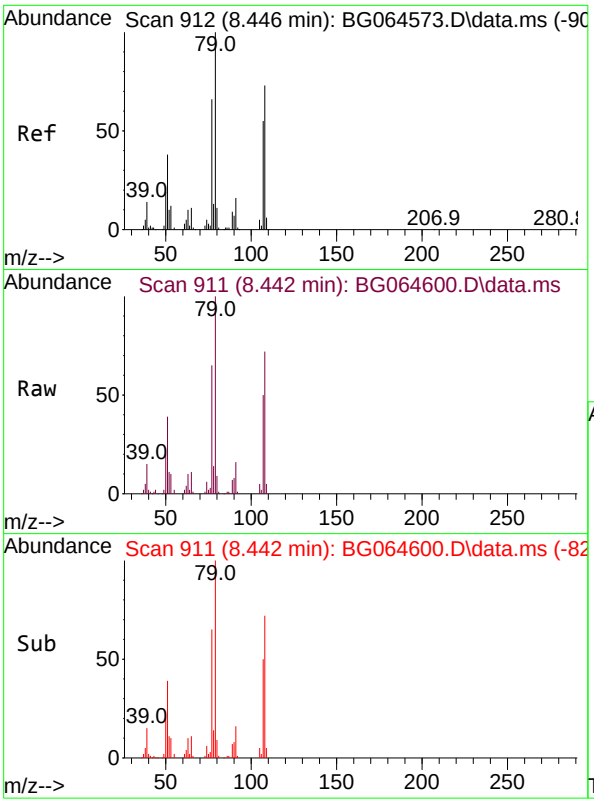


#14
1,2-Dichlorobenzene
Concen: 40.967 ng
RT: 8.577 min Scan# 934
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 82629

Ion	Ratio	Lower	Upper
146	100		
148	67.9	51.5	77.3
111	44.7	35.0	52.6



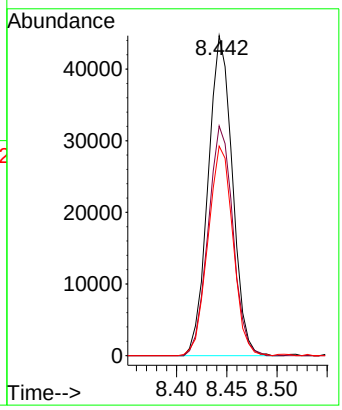


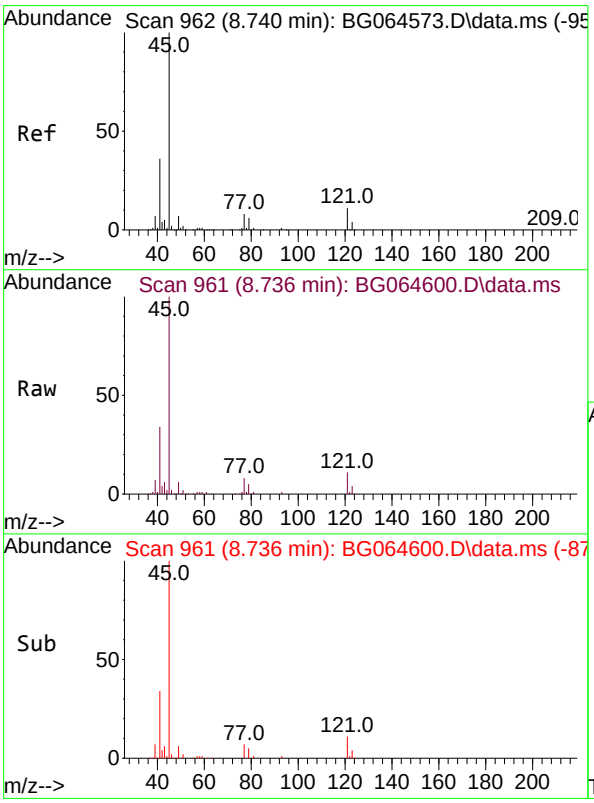
#15
Benzyl Alcohol
Concen: 38.894 ng
RT: 8.442 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 75132

Ion	Ratio	Lower	Upper
79	100		
108	71.8	58.1	87.1
77	65.5	52.8	79.2

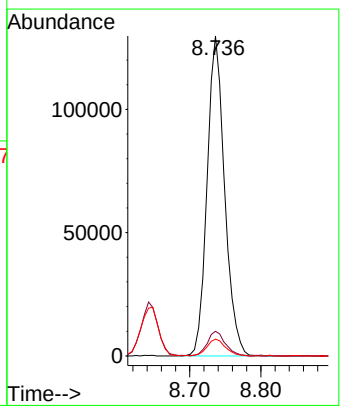


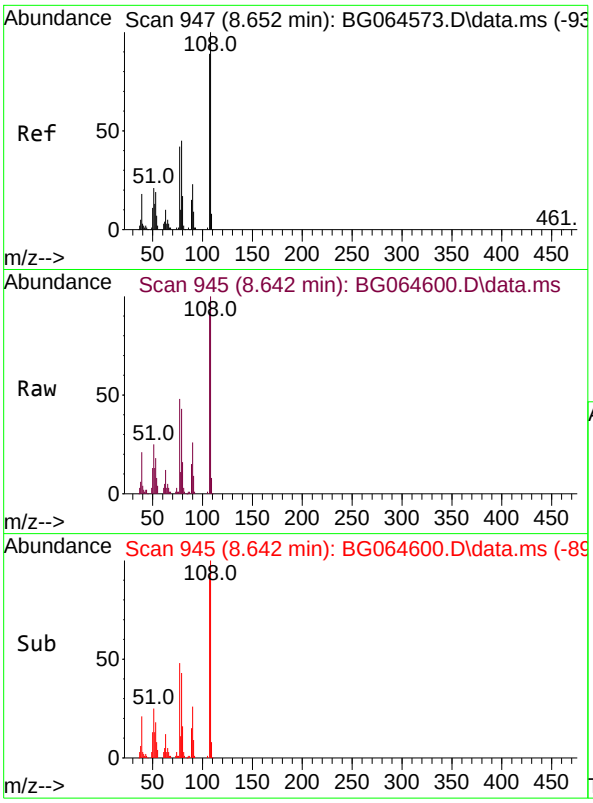


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.501 ng
RT: 8.736 min Scan# 961
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 45 Resp: 222337

Ion	Ratio	Lower	Upper
45	100		
77	7.7	0.0	28.5
79	5.2	0.0	25.6



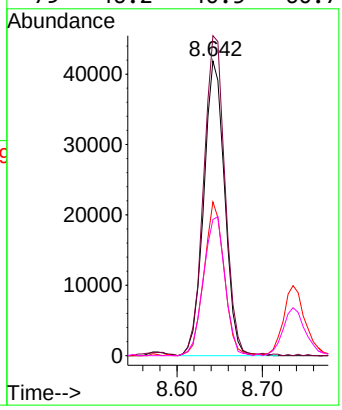


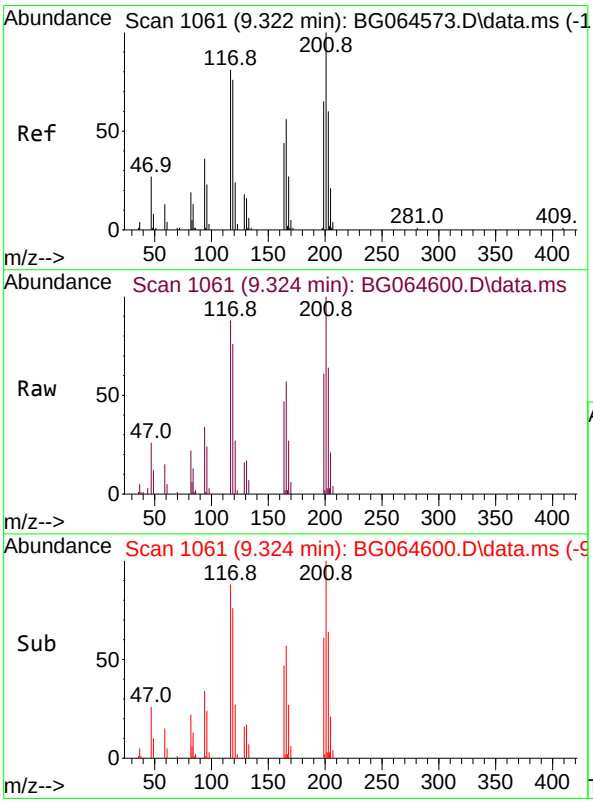
#17
2-Methylphenol
Concen: 41.468 ng
RT: 8.642 min Scan# 94
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 71327

Ion	Ratio	Lower	Upper
107	100		
108	108.6	90.0	135.0
77	52.2	37.8	56.8
79	46.2	40.5	60.7

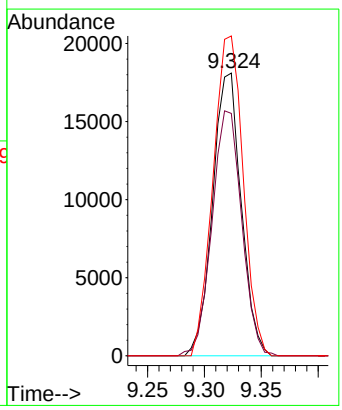


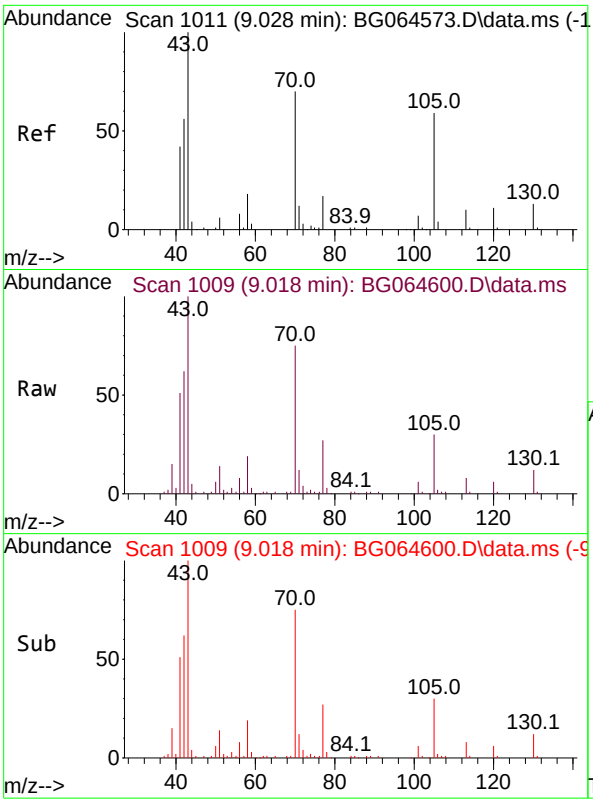


#18
Hexachloroethane
Concen: 43.063 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:117 Resp: 31601

Ion	Ratio	Lower	Upper
117	100		
119	85.8	75.4	113.2
201	113.2	99.2	148.8



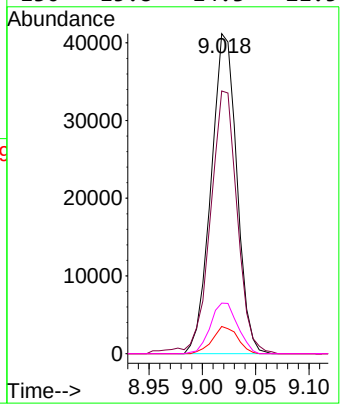


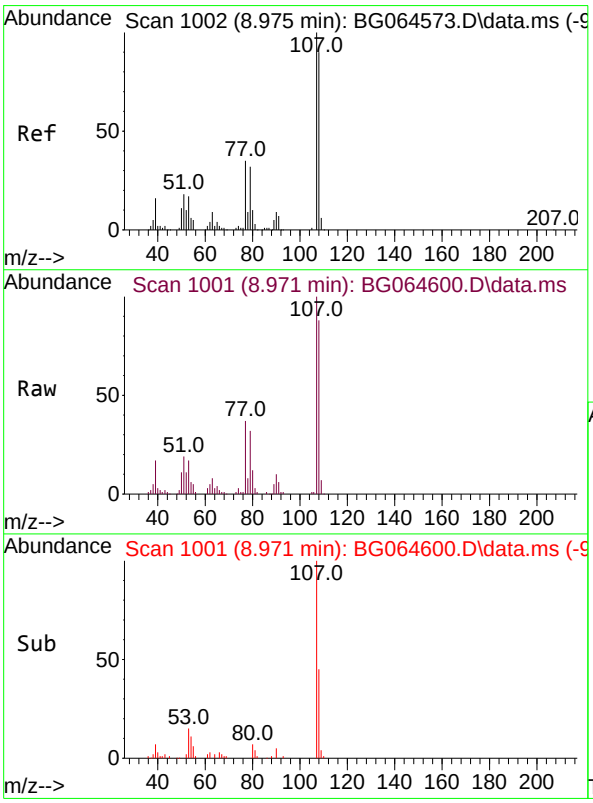
#19
n-Nitroso-di-n-propylamine
Concen: 42.830 ng
RT: 9.018 min Scan# 10
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 69339

Ion	Ratio	Lower	Upper
70	100		
42	82.1	65.2	97.8
101	8.5	7.9	11.9
130	15.8	14.3	21.5

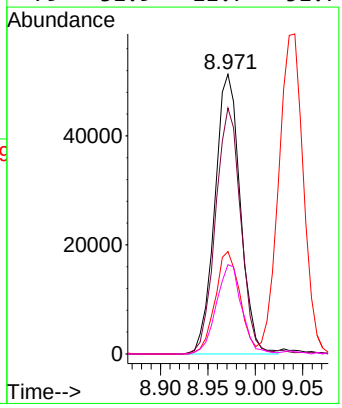


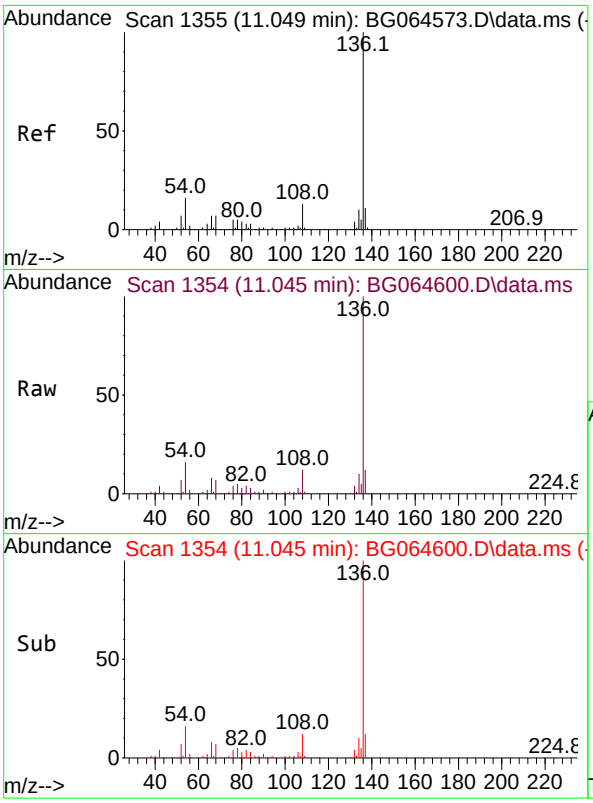


#20
3+4-Methylphenols
Concen: 39.590 ng
RT: 8.971 min Scan# 1001
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:107 Resp: 95766

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.3	110.3
77	36.6	14.6	54.6
79	31.9	11.7	51.7



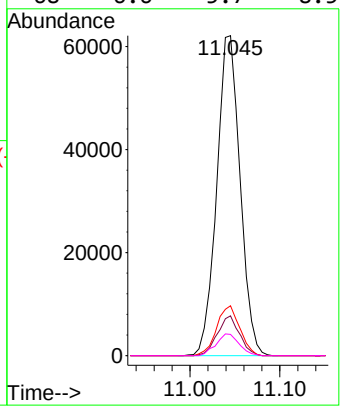


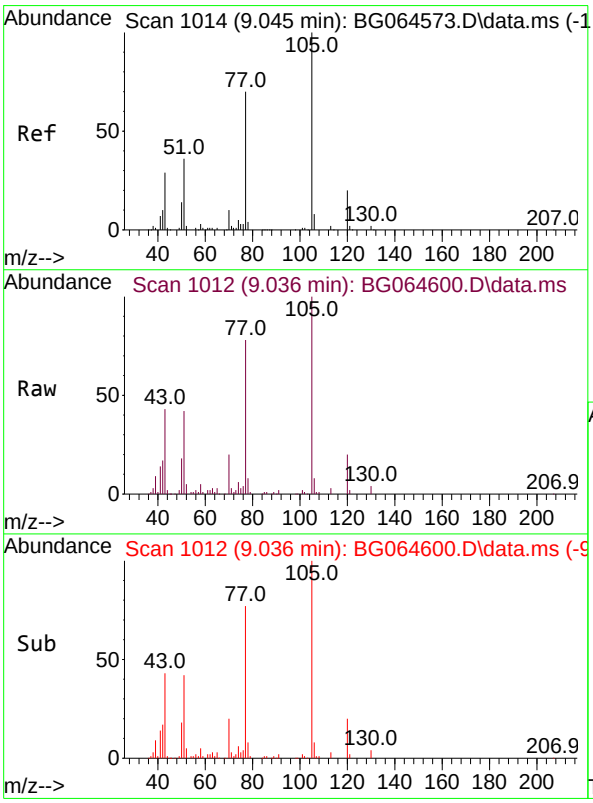
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 112694

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.6	5.7	8.5

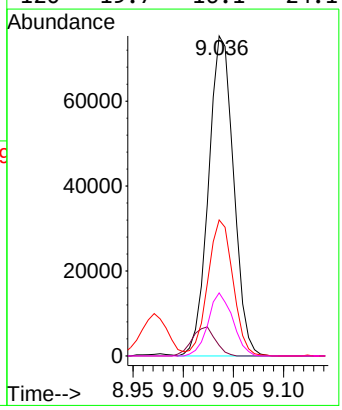


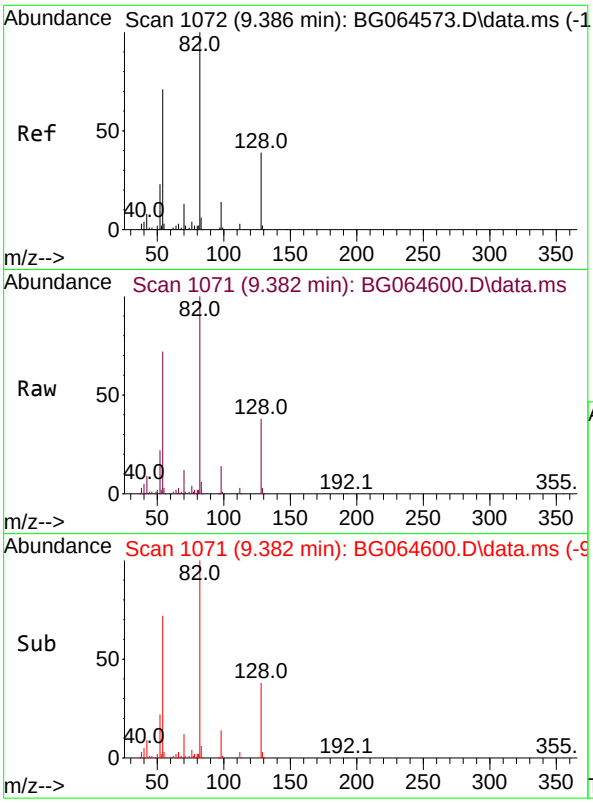


#22
Acetophenone
Concen: 42.627 ng
RT: 9.036 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:105 Resp: 131316

Ion	Ratio	Lower	Upper
105	100		
71	3.3	1.5	2.3#
51	42.5	33.7	50.5
120	19.7	16.1	24.1



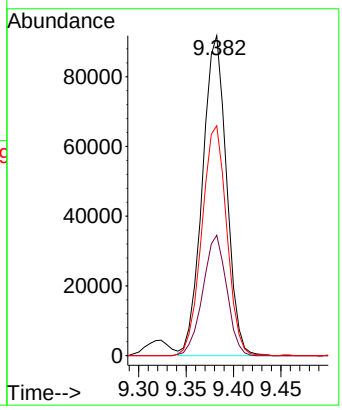


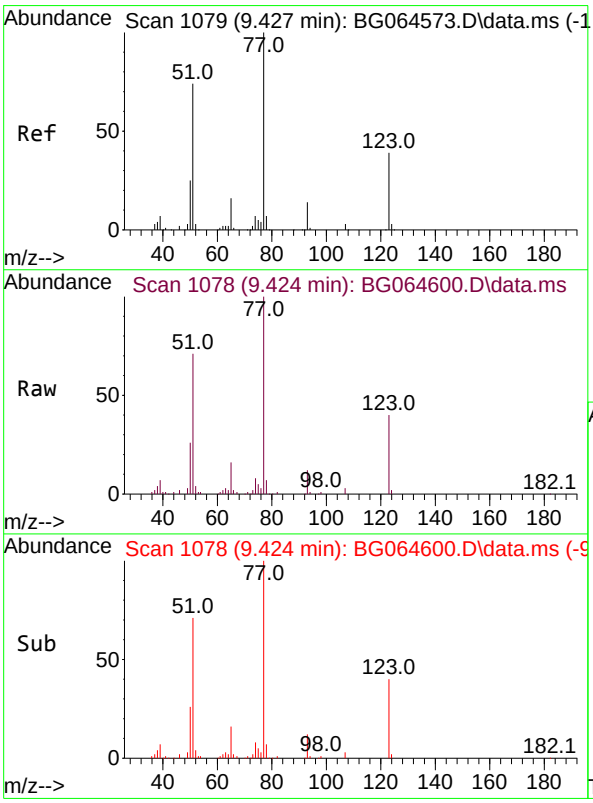
#23
Nitrobenzene-d5
Concen: 86.691 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 162656

Ion	Ratio	Lower	Upper
82	100		
128	37.6	31.3	46.9
54	71.8	56.6	84.8

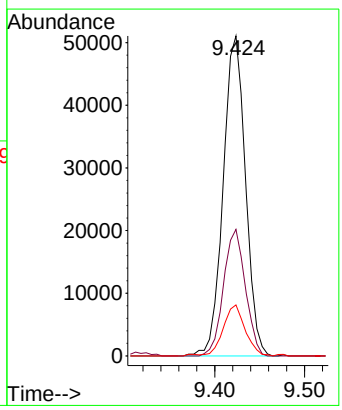


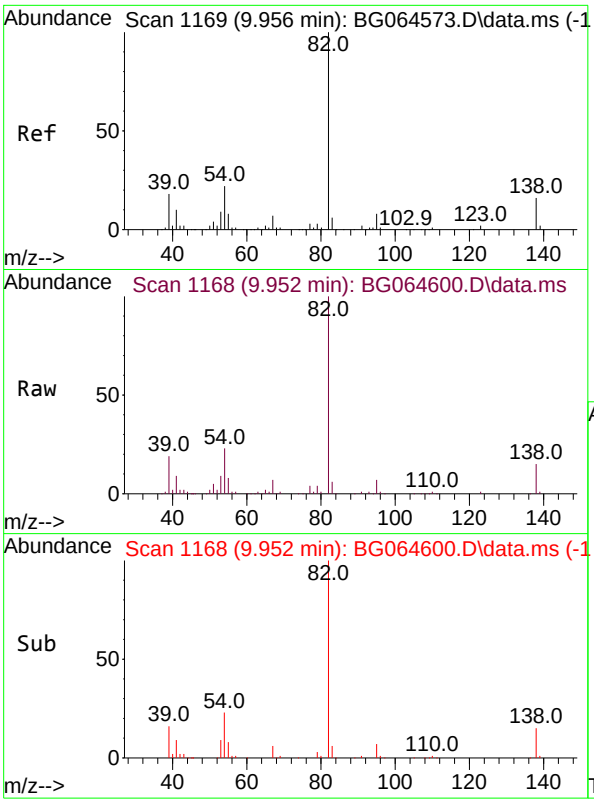


#24
Nitrobenzene
Concen: 43.241 ng
RT: 9.424 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 77 Resp: 88243

Ion	Ratio	Lower	Upper
77	100		
123	39.5	31.0	46.6
65	15.9	12.7	19.1



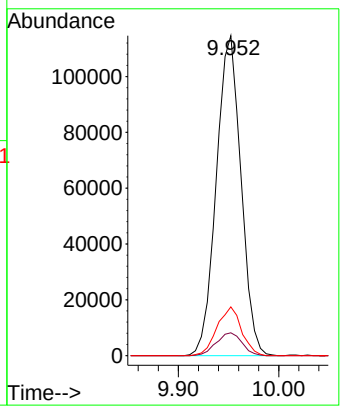


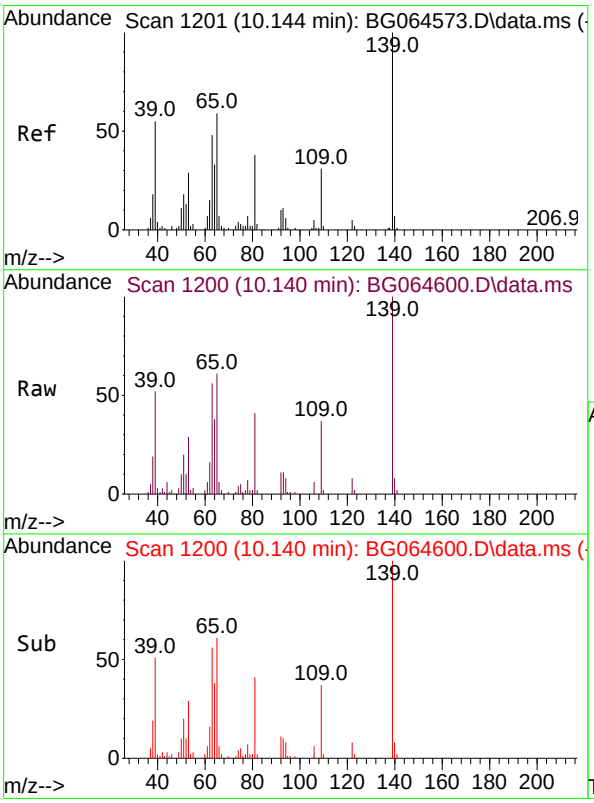
#25
Isophorone
Concen: 43.526 ng
RT: 9.952 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 195962

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	15.2	13.0	19.4

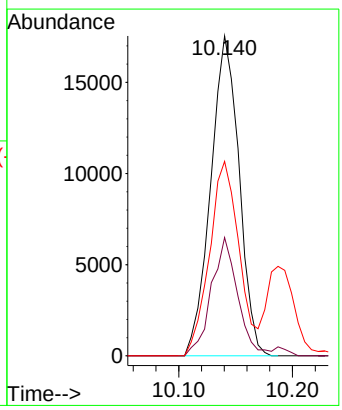


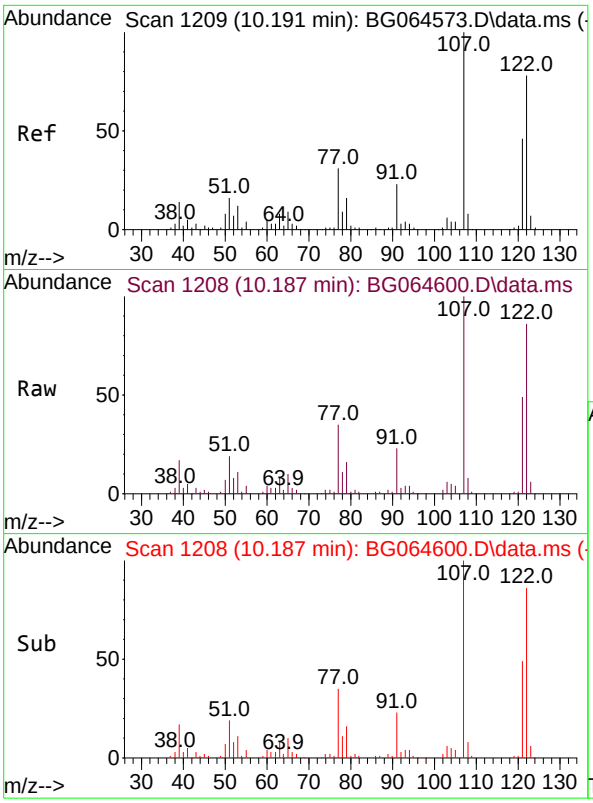


#26
2-Nitrophenol
Concen: 39.240 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:139 Resp: 30416

Ion	Ratio	Lower	Upper
139	100		
109	37.0	24.6	37.0
65	60.8	47.5	71.3



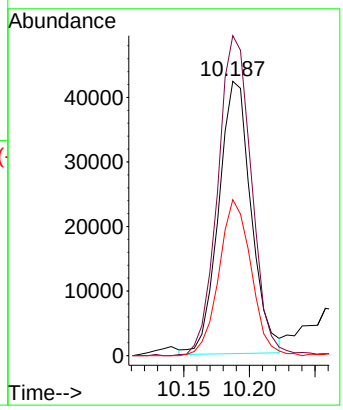


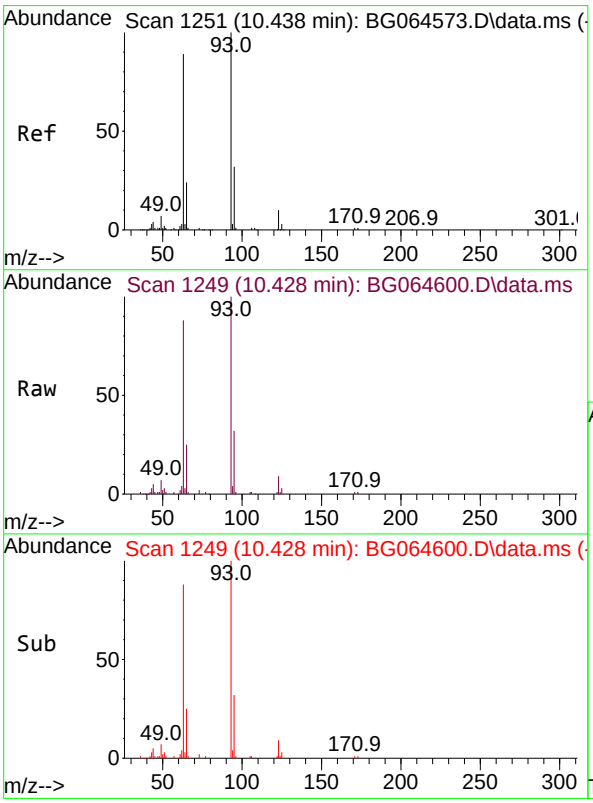
#27
2,4-Dimethylphenol
Concen: 43.459 ng
RT: 10.187 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 72780

Ion	Ratio	Lower	Upper
122	100		
107	116.7	103.0	154.4
121	56.8	47.8	71.8

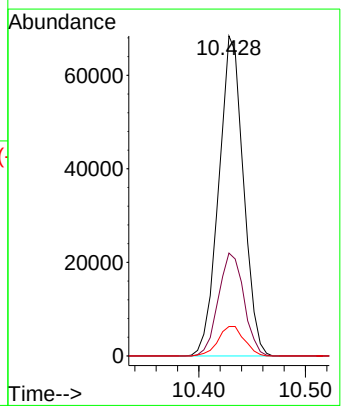


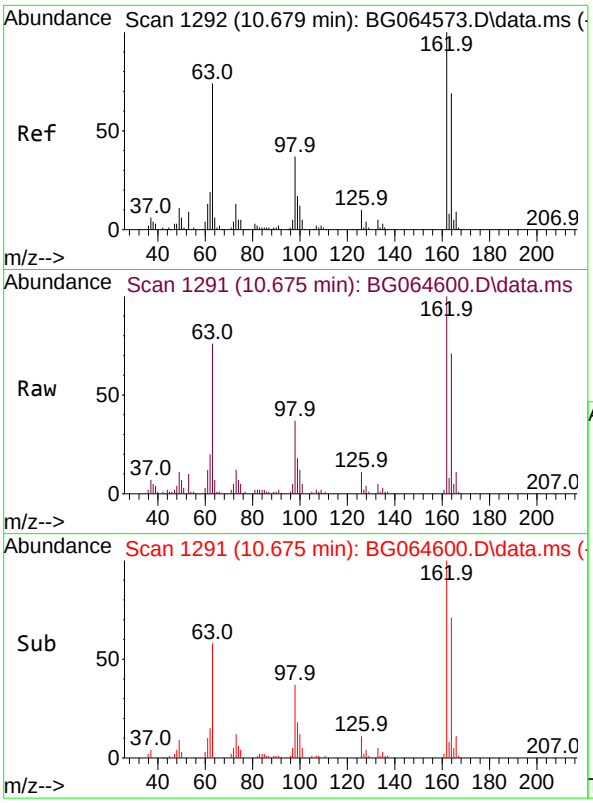


#28
bis(2-Chloroethoxy)methane
Concen: 42.920 ng
RT: 10.428 min Scan# 1249
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 110021

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.2
123	9.2	8.4	12.6



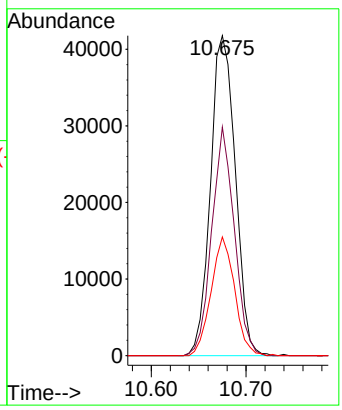


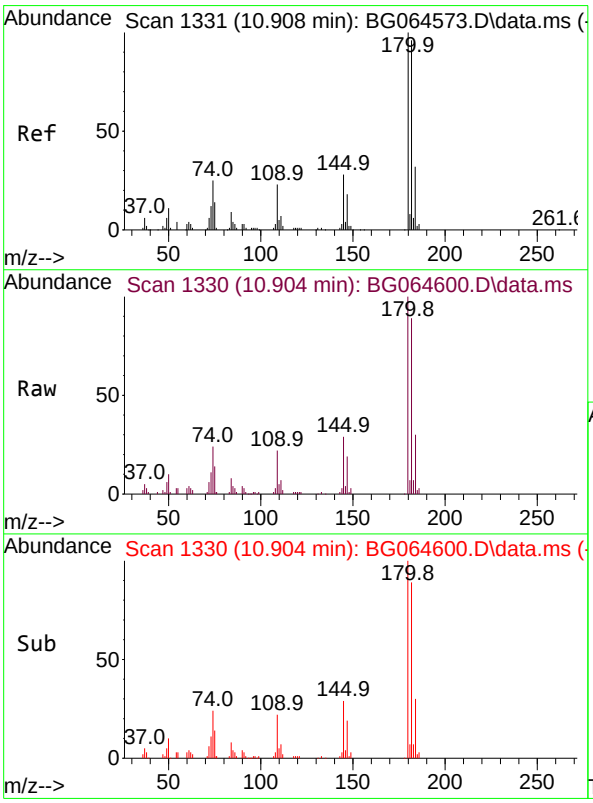
#29
2,4-Dichlorophenol
Concen: 42.166 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 75996

Ion	Ratio	Lower	Upper
162	100		
164	71.4	48.7	88.7
98	37.1	16.9	56.9

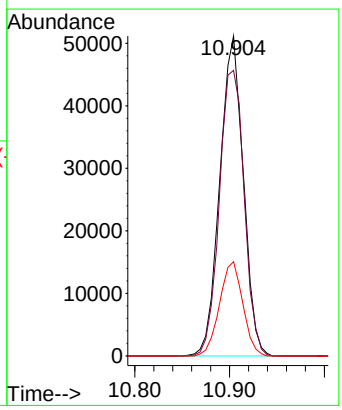


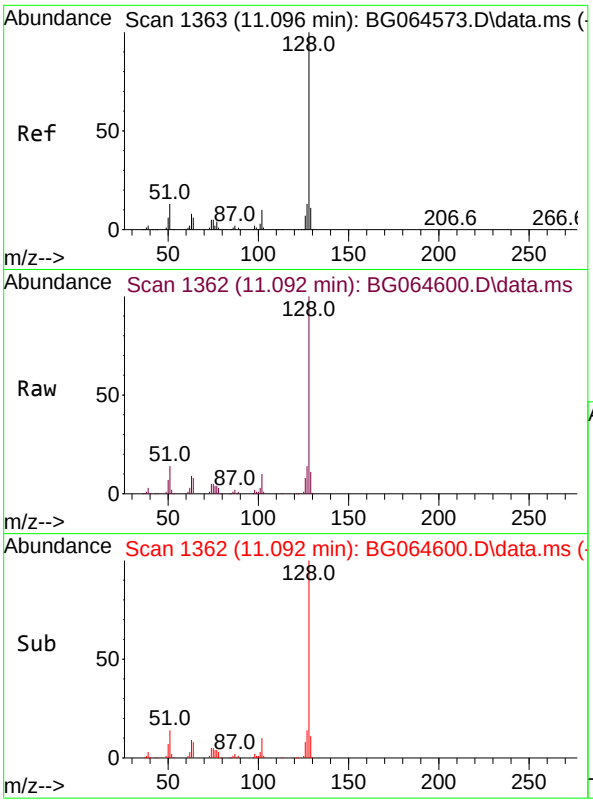


#30
1,2,4-Trichlorobenzene
Concen: 42.989 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:180 Resp: 88031

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	29.4	22.1	33.1



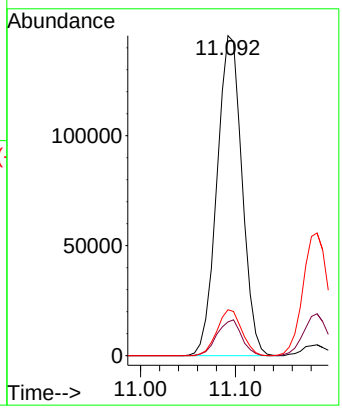


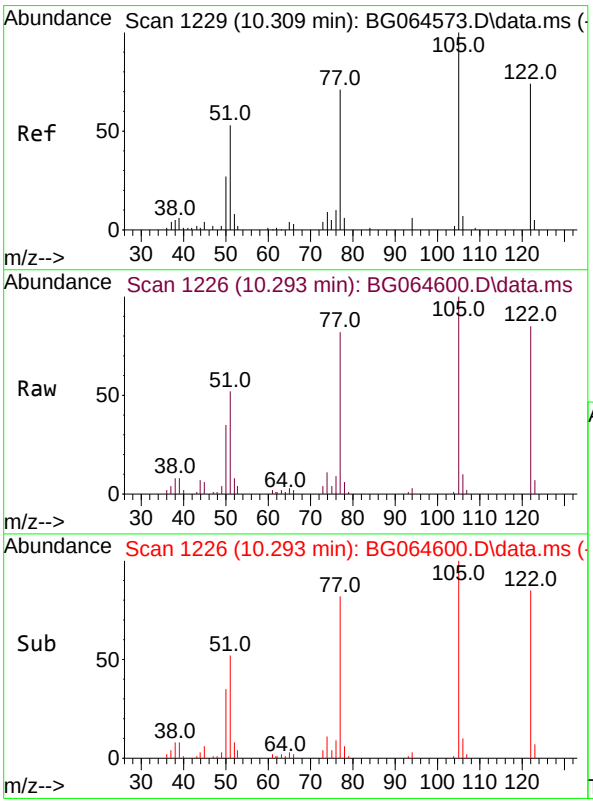
#31
Naphthalene
Concen: 42.747 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 267088

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	14.3	10.6	15.8

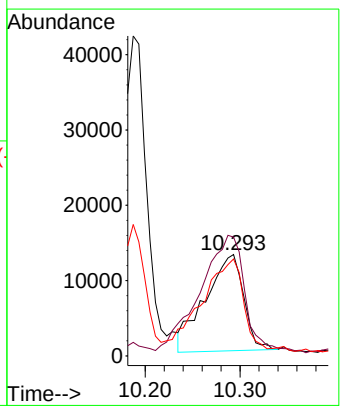


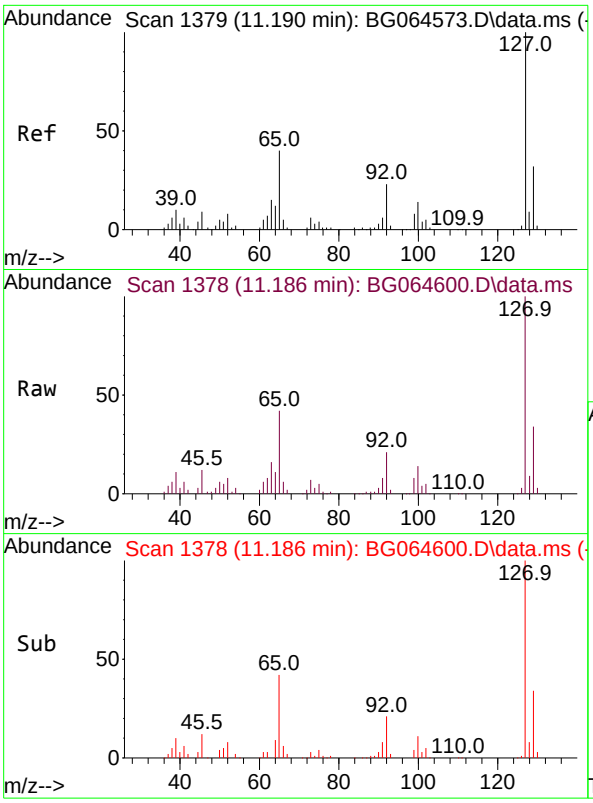


#32
Benzoic acid
Concen: 30.728 ng
RT: 10.293 min Scan# 1226
Delta R.T. -0.016 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:122 Resp: 36127

Ion	Ratio	Lower	Upper
122	100		
105	117.2	104.2	144.2
77	95.5	70.2	110.2



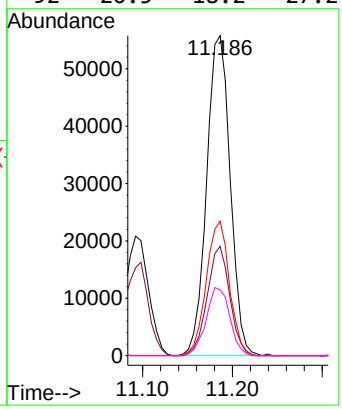


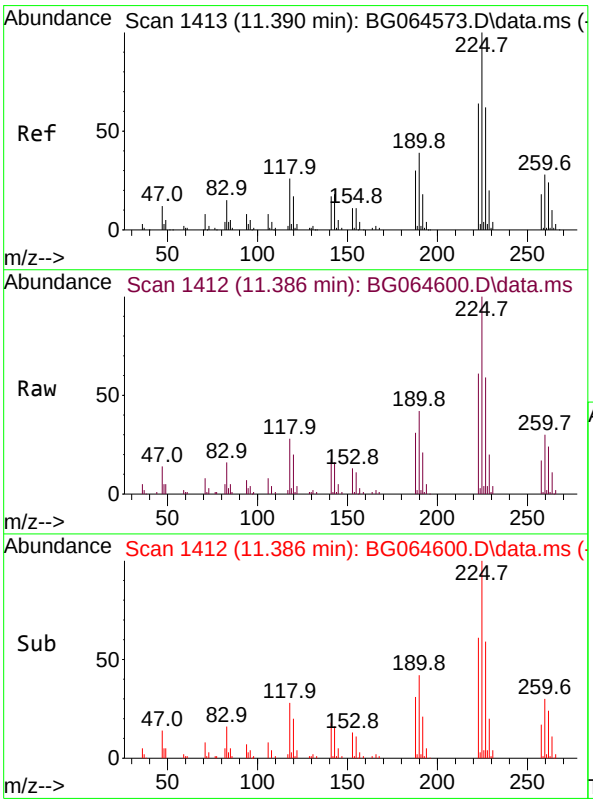
#33
4-Chloroaniline
Concen: 42.020 ng
RT: 11.186 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 102047

Ion	Ratio	Lower	Upper
127	100		
129	34.1	25.5	38.3
65	42.0	32.2	48.4
92	20.5	18.2	27.2

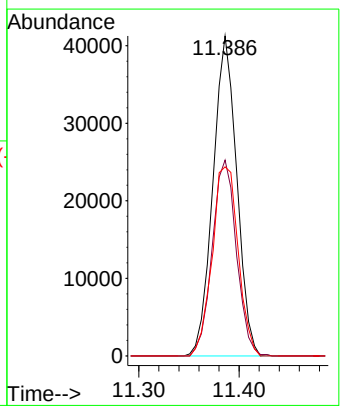


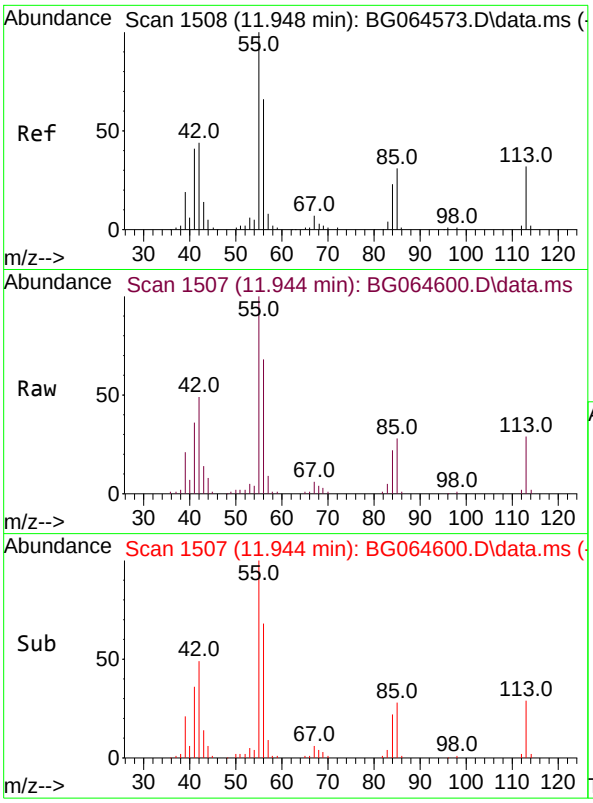


#34
Hexachlorobutadiene
Concen: 42.430 ng
RT: 11.386 min Scan# 1412
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:225 Resp: 67950

Ion	Ratio	Lower	Upper
225	100		
223	64.2	48.8	73.2
227	62.6	49.5	74.3



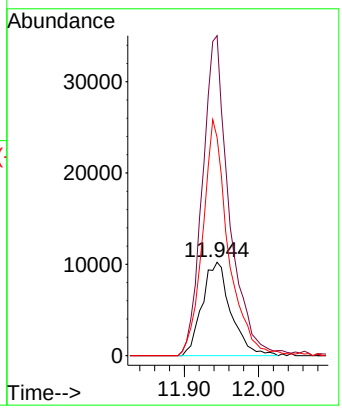


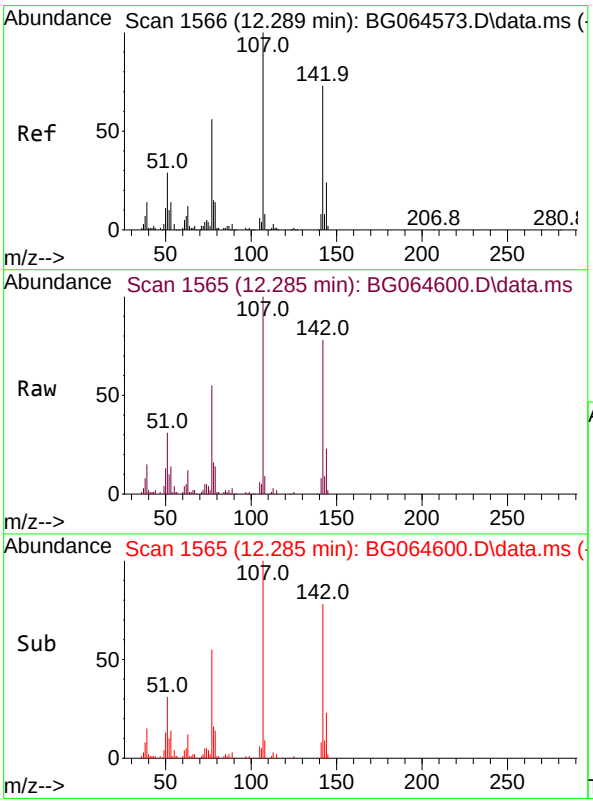
#35
Caprolactam
Concen: 39.664 ng
RT: 11.944 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 27418

Ion	Ratio	Lower	Upper
113	100		
55	342.8	290.1	330.1#
56	233.7	183.8	223.8#

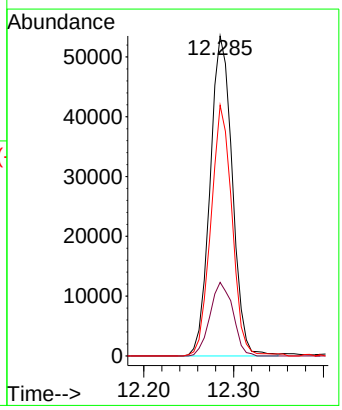


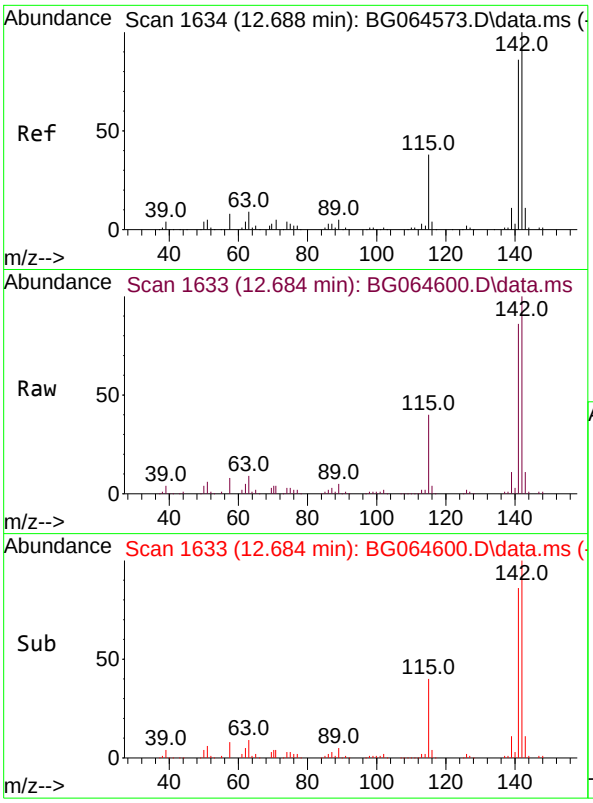


#36
4-Chloro-3-methylphenol
Concen: 42.414 ng
RT: 12.285 min Scan# 1565
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:107 Resp: 91886

Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.1	28.7
142	78.3	58.6	87.8



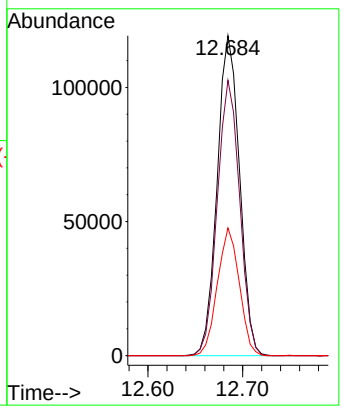


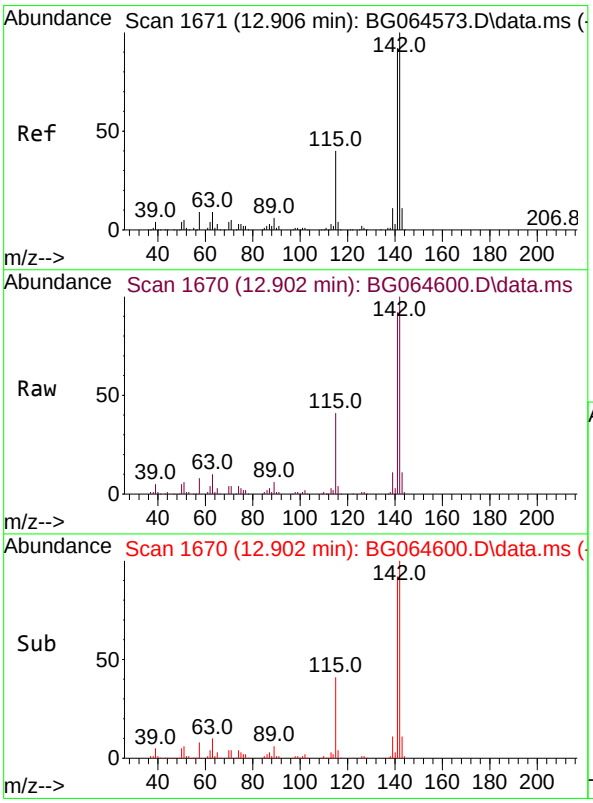
#37
2-Methylnaphthalene
Concen: 42.698 ng
RT: 12.684 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 195870

Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.9	103.3
115	39.9	30.6	46.0

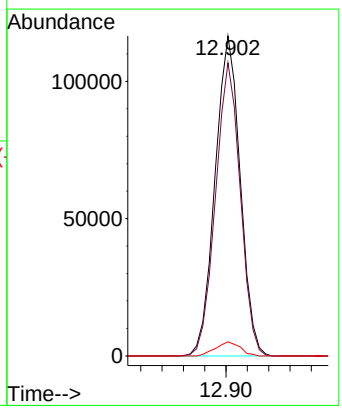


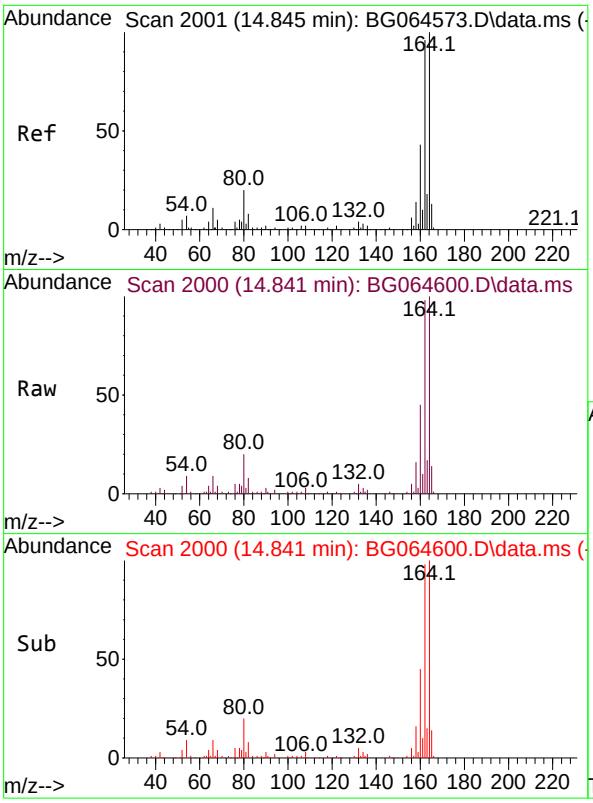


#38
1-Methylnaphthalene
Concen: 42.038 ng
RT: 12.902 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:142 Resp: 190905

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	4.4	3.1	4.7



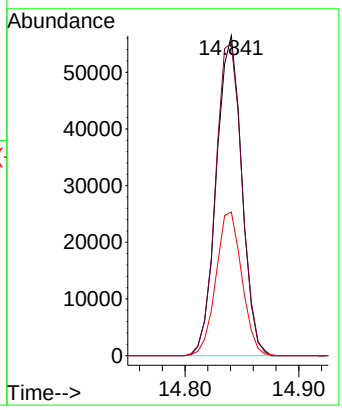


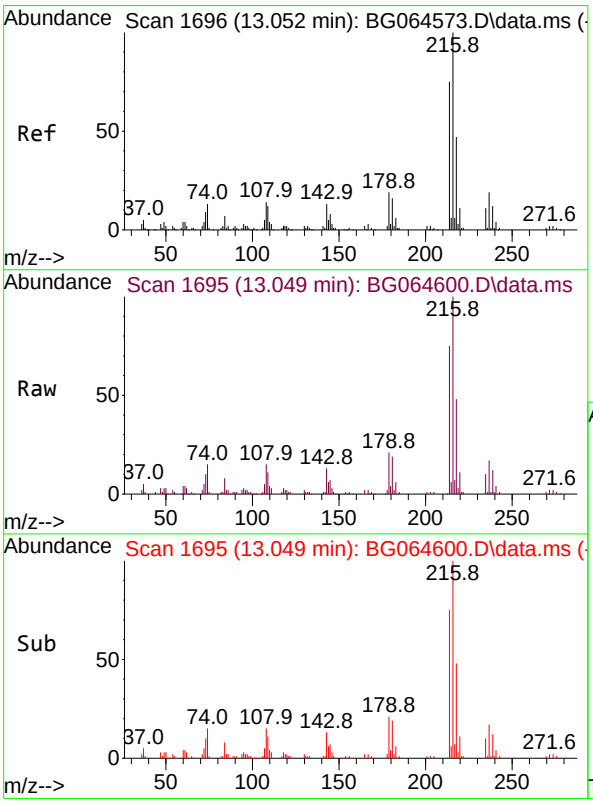
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 87446

Ion	Ratio	Lower	Upper
164	100		
162	97.5	77.0	115.6
160	44.9	34.4	51.6

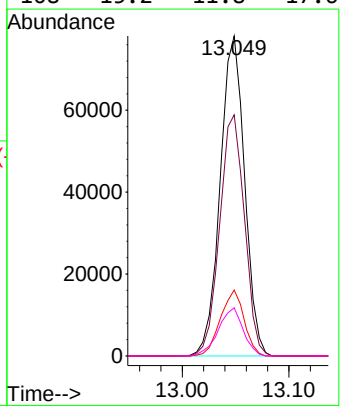


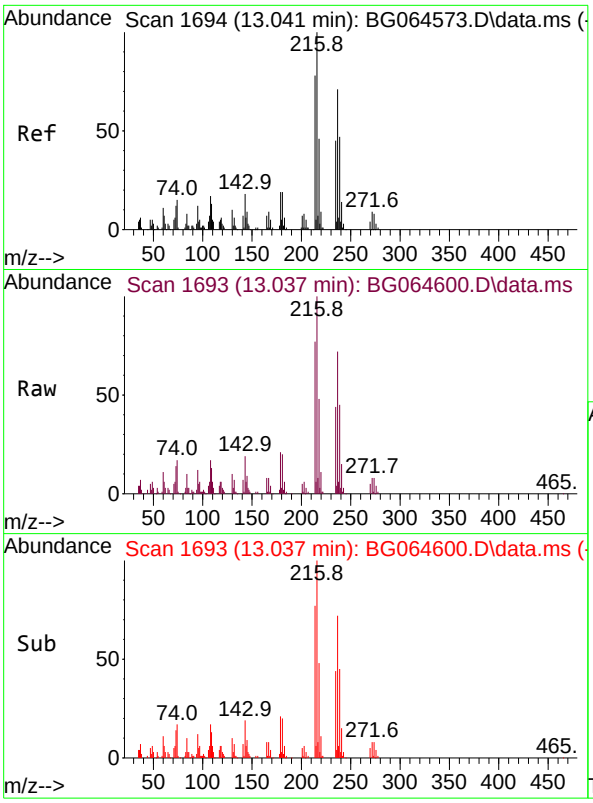


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.409 ng
RT: 13.049 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:216 Resp: 124461

Ion	Ratio	Lower	Upper
216	100		
214	76.3	61.4	92.2
179	19.9	15.4	23.0
108	15.2	11.8	17.6



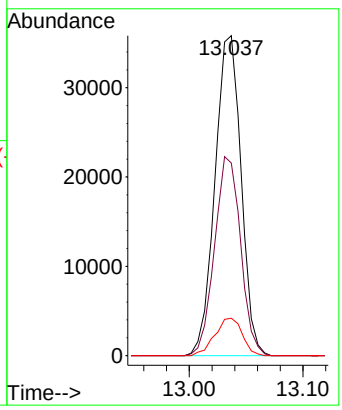


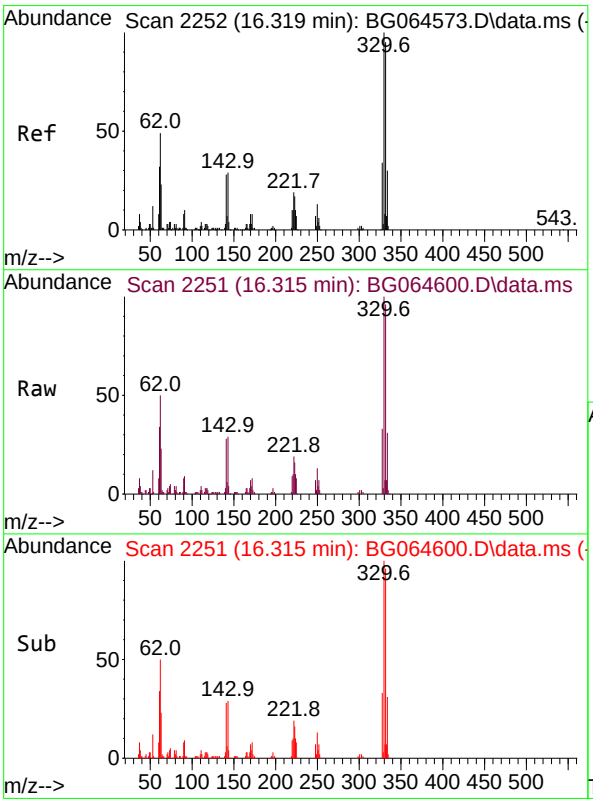
#41
Hexachlorocyclopentadiene
Concen: 43.286 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 57178

Ion	Ratio	Lower	Upper
237	100		
235	60.2	44.1	84.1
272	11.7	0.0	32.4

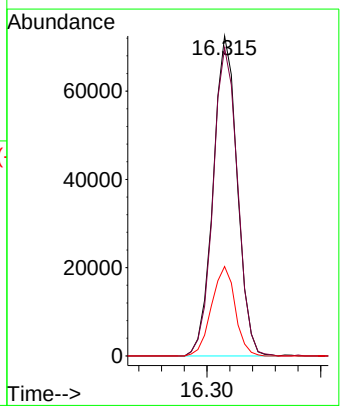


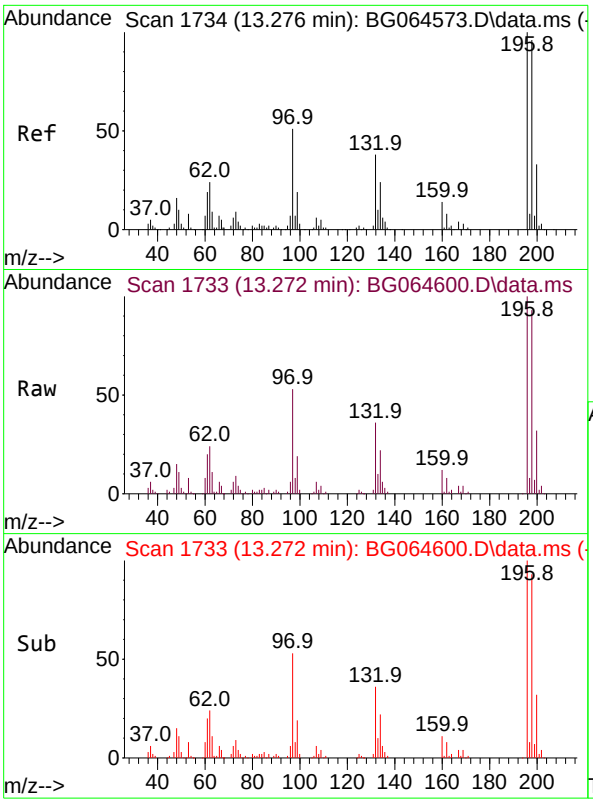


#42
2,4,6-Tribromophenol
Concen: 84.394 ng
RT: 16.315 min Scan# 2251
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:330 Resp: 106515

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	27.3	21.8	32.6



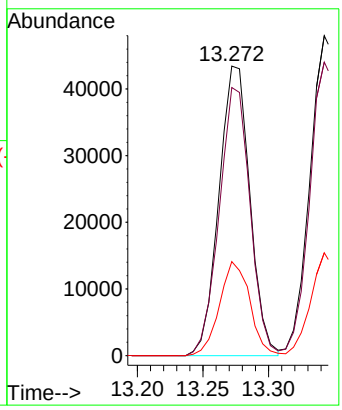


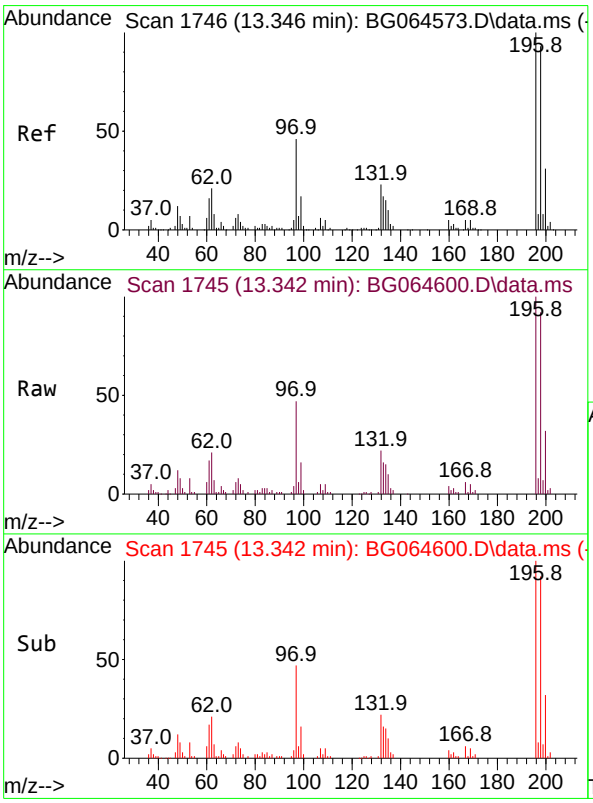
#43
2,4,6-Trichlorophenol
Concen: 42.468 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 71291

Ion	Ratio	Lower	Upper
196	100		
198	92.6	76.6	115.0
200	32.5	26.0	39.0

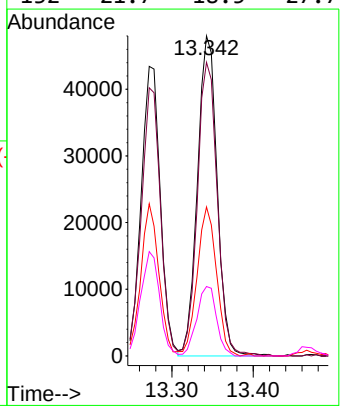


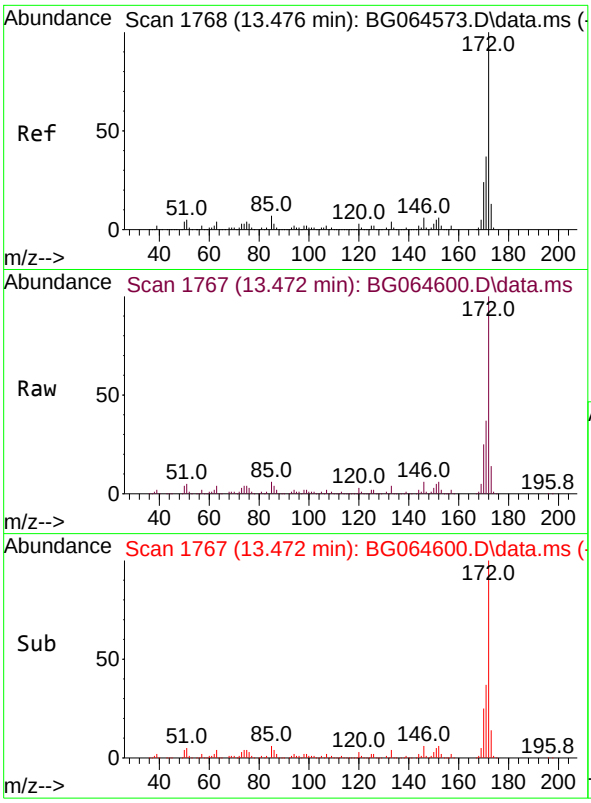


#44
2,4,5-Trichlorophenol
Concen: 41.754 ng
RT: 13.342 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:196 Resp: 80887

Ion	Ratio	Lower	Upper
196	100		
198	91.7	74.2	111.4
97	46.5	37.0	55.6
132	21.7	18.5	27.7



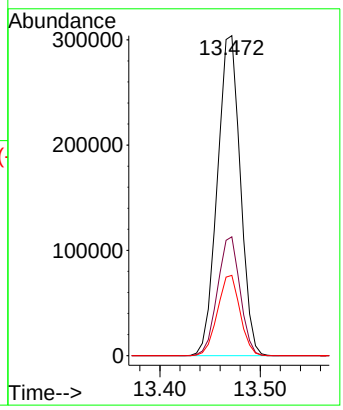


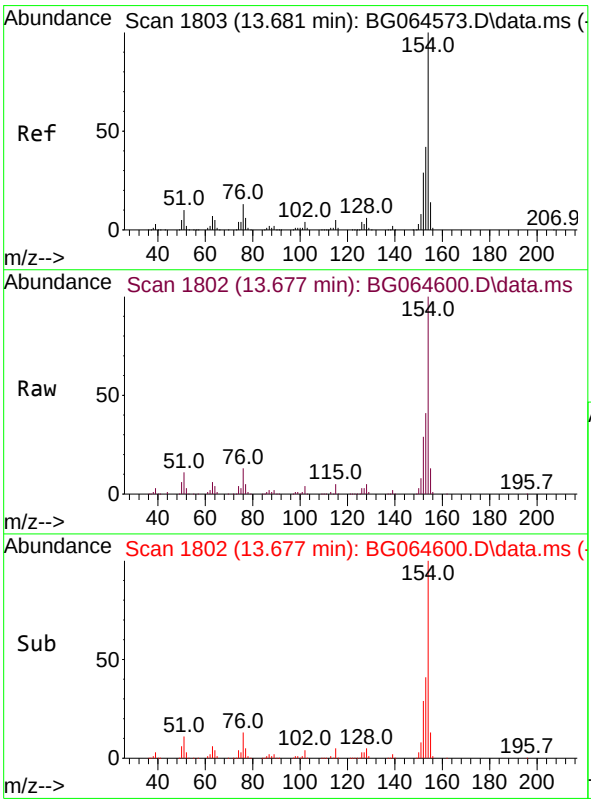
#45
2-Fluorobiphenyl
Concen: 83.896 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 484009

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	25.1	19.1	28.7

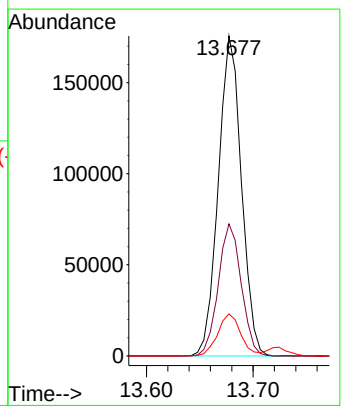


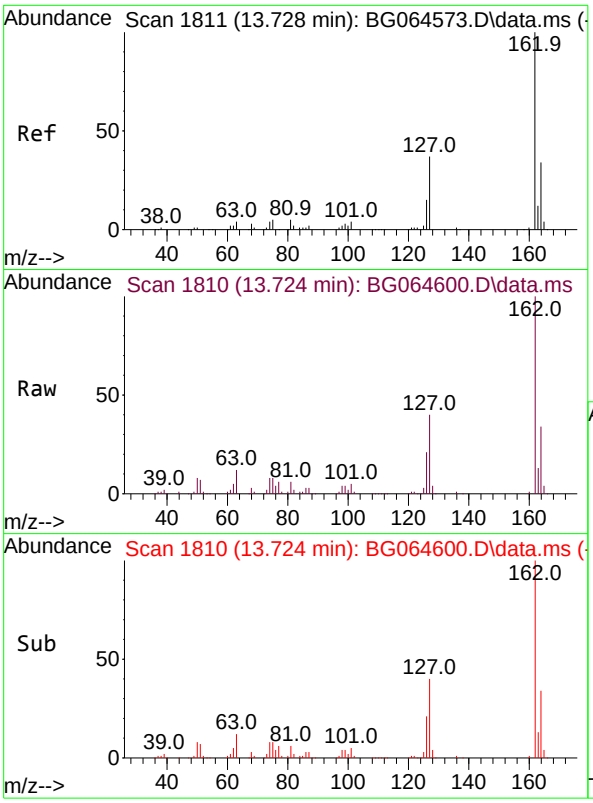


#46
1,1'-Biphenyl
Concen: 42.521 ng
RT: 13.677 min Scan# 1802
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:154 Resp: 264348

Ion	Ratio	Lower	Upper
154	100		
153	41.2	22.4	62.4
76	13.1	0.0	33.5



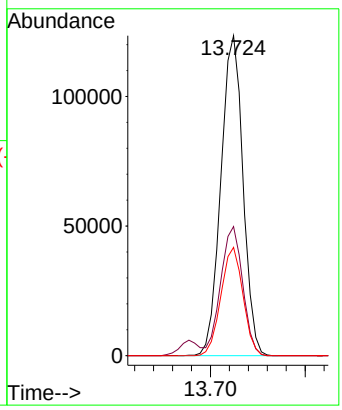


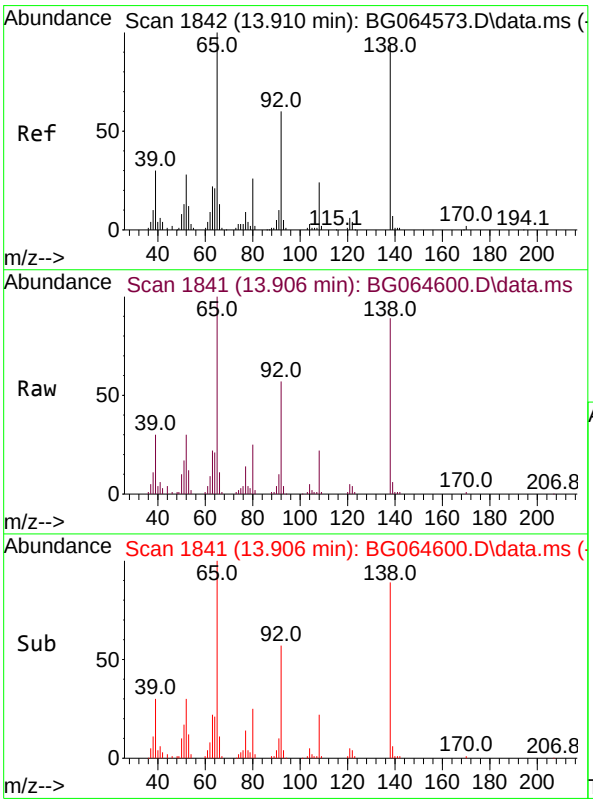
#47
2-Chloronaphthalene
Concen: 42.561 ng
RT: 13.724 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 199722

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.2
164	33.8	27.5	41.3

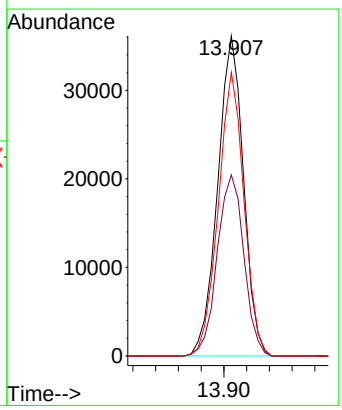


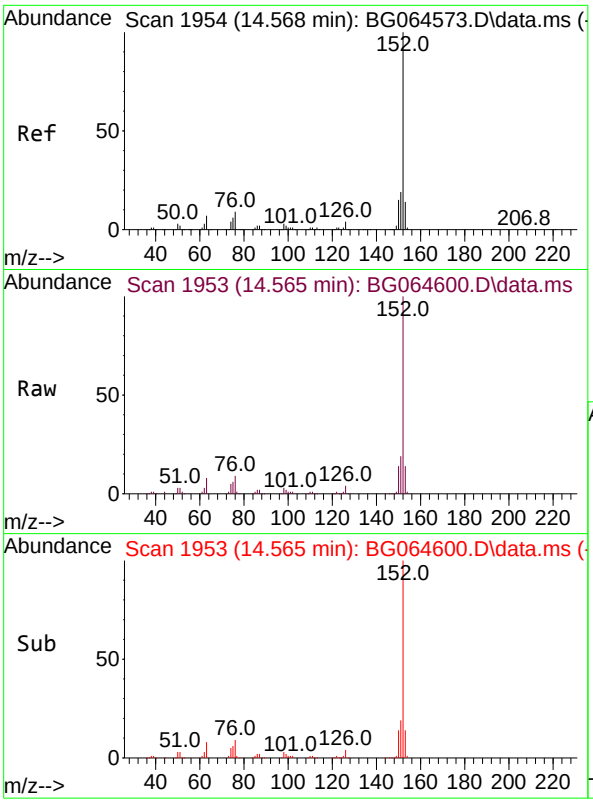


#48
2-Nitroaniline
Concen: 36.830 ng
RT: 13.906 min Scan# 1841
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 65 Resp: 56752

Ion	Ratio	Lower	Upper
65	100		
92	56.6	48.3	72.5
138	88.6	74.9	112.3



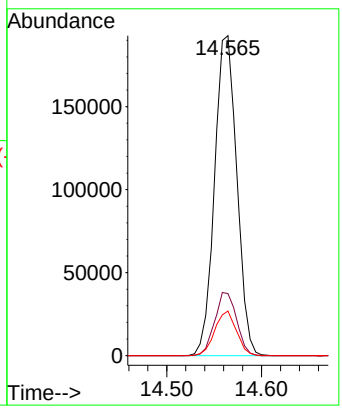


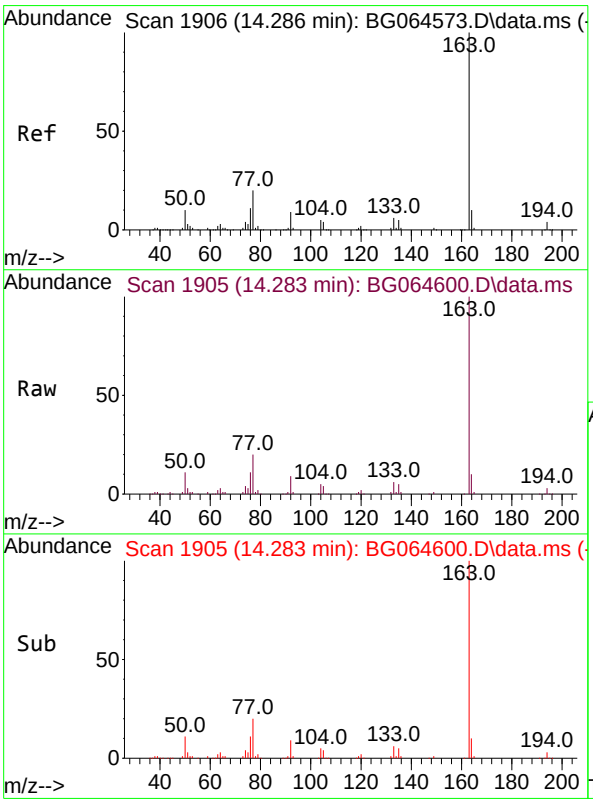
#49
Acenaphthylene
Concen: 42.492 ng
RT: 14.565 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 314519

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.9	11.0	16.4

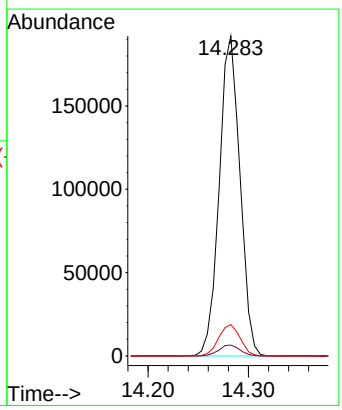


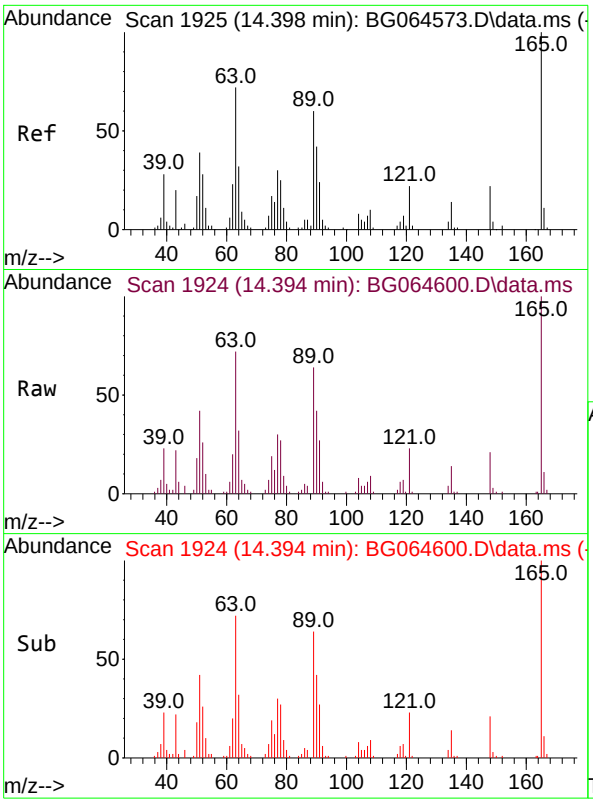


#50
Dimethylphthalate
Concen: 41.234 ng
RT: 14.283 min Scan# 1905
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:163 Resp: 275910

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.8	7.7	11.5



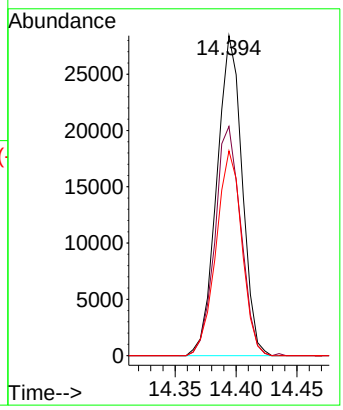


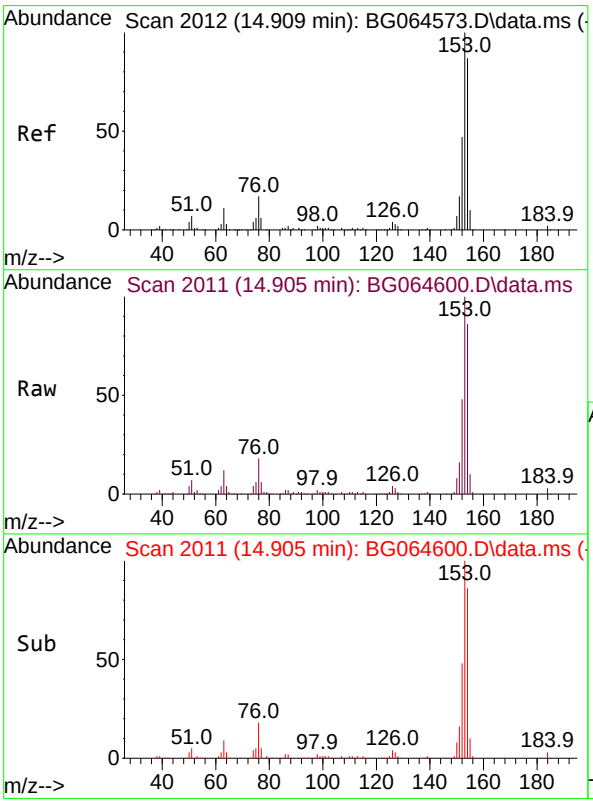
#51
2,6-Dinitrotoluene
Concen: 37.929 ng
RT: 14.394 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 41085

Ion	Ratio	Lower	Upper
165	100		
63	71.6	57.4	86.0
89	64.0	47.8	71.8

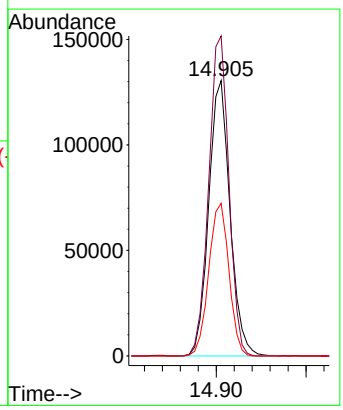


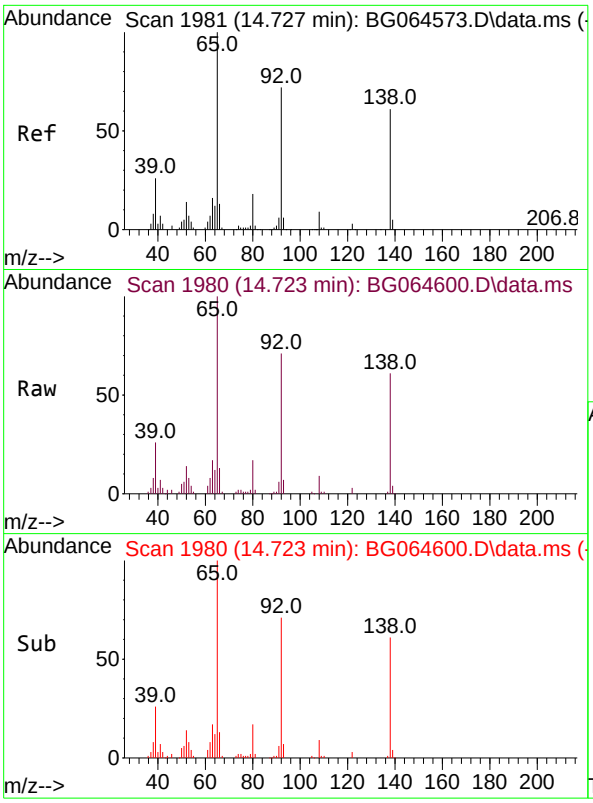


#52
Acenaphthene
Concen: 42.558 ng
RT: 14.905 min Scan# 2011
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:154 Resp: 215218

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.2	138.4
152	55.5	43.2	64.8



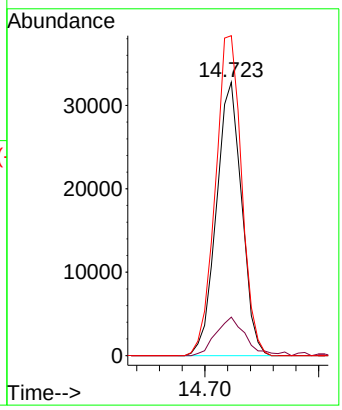


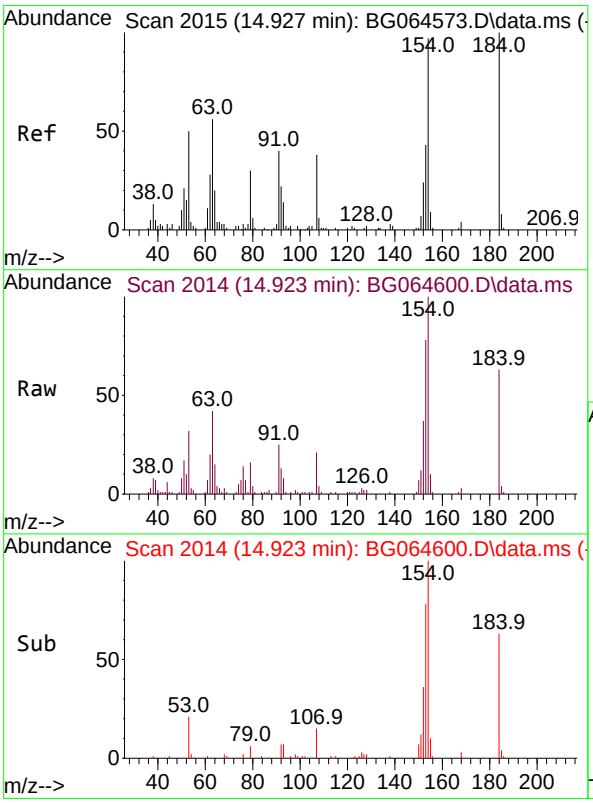
#53
3-Nitroaniline
Concen: 44.086 ng
RT: 14.723 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 50696

Ion	Ratio	Lower	Upper
138	100		
108	14.1	11.4	17.0
92	117.1	95.3	142.9

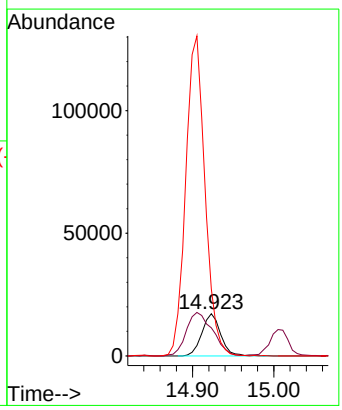


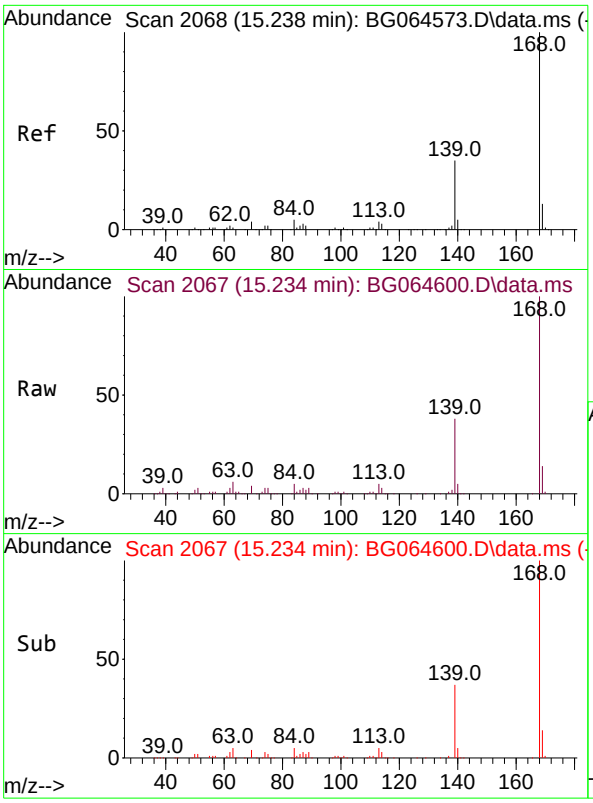


#54
2,4-Dinitrophenol
Concen: 43.496 ng
RT: 14.923 min Scan# 2014
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:184 Resp: 27617

Ion	Ratio	Lower	Upper
184	100		
63	66.5	56.6	85.0
154	158.6	158.6	238.0



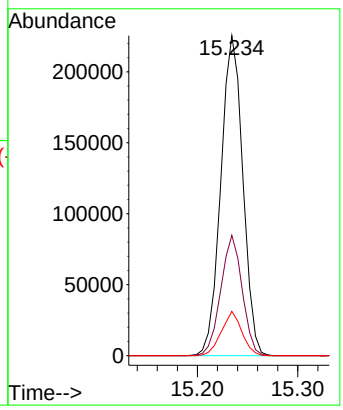


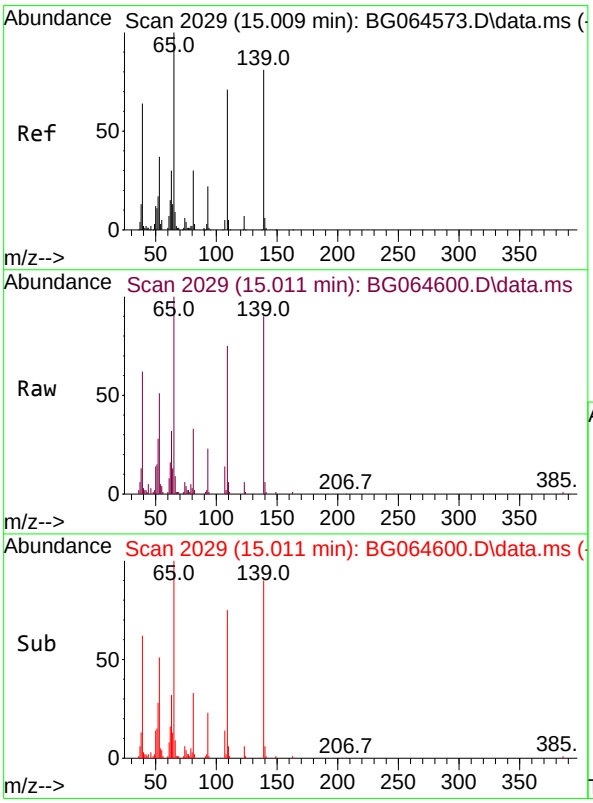
#55
Dibenzofuran
Concen: 42.088 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 344095

Ion	Ratio	Lower	Upper
168	100		
139	37.6	27.8	41.8
169	13.8	10.3	15.5

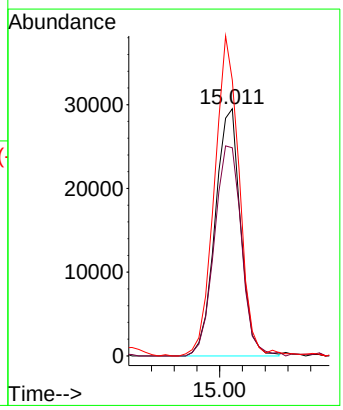


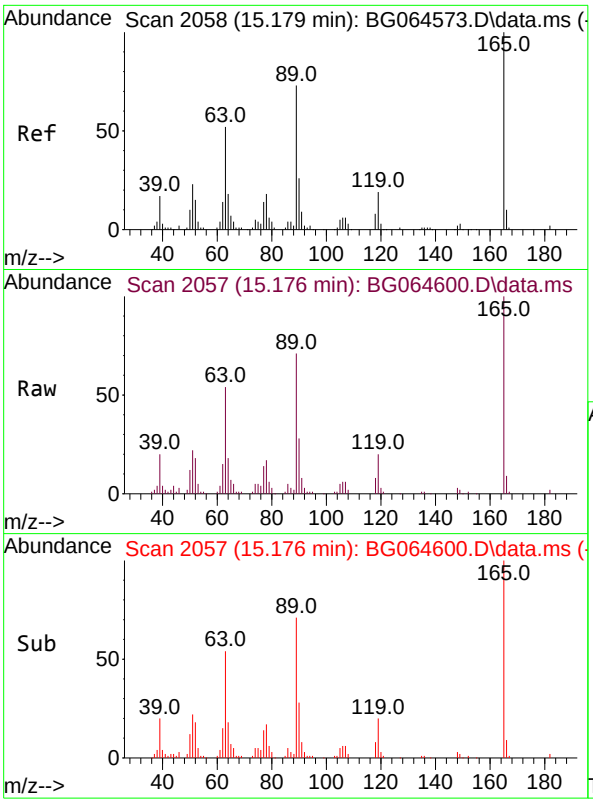


#56
4-Nitrophenol
Concen: 42.870 ng
RT: 15.011 min Scan# 2029
Delta R.T. 0.002 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:139 Resp: 45706

Ion	Ratio	Lower	Upper
139	100		
109	84.2	67.8	107.8
65	111.5	103.7	143.7



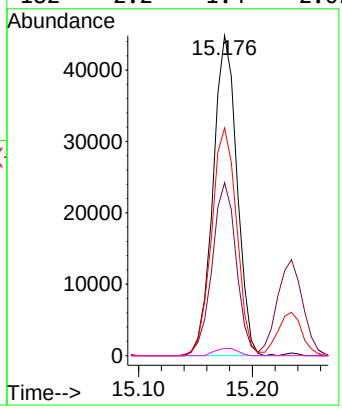


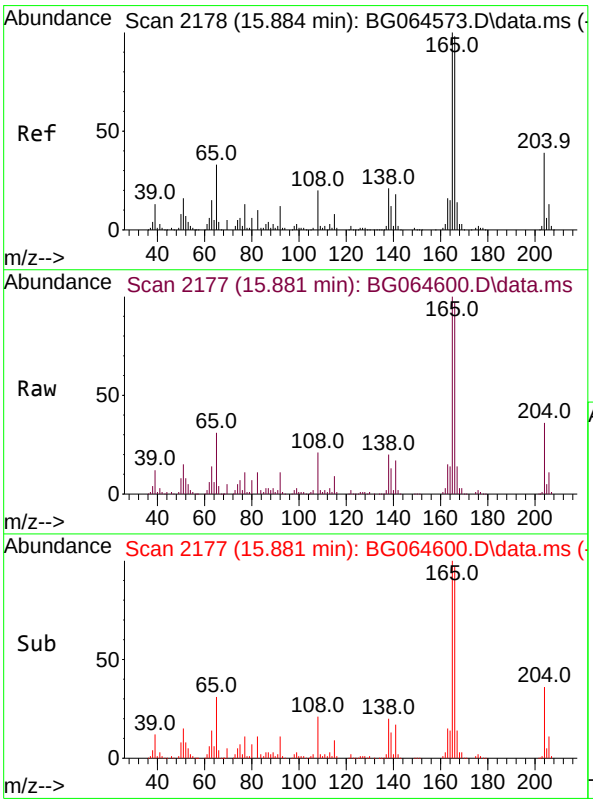
#57
2,4-Dinitrotoluene
Concen: 38.904 ng
RT: 15.176 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 65358

Ion	Ratio	Lower	Upper
165	100		
63	54.0	41.8	62.8
89	71.1	58.1	87.1
182	2.2	1.4	2.0#

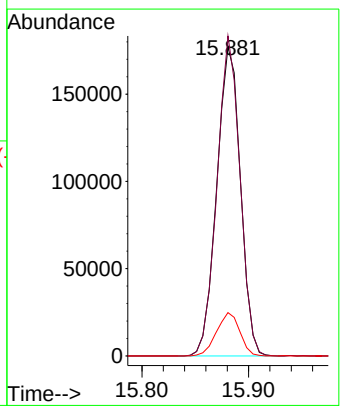


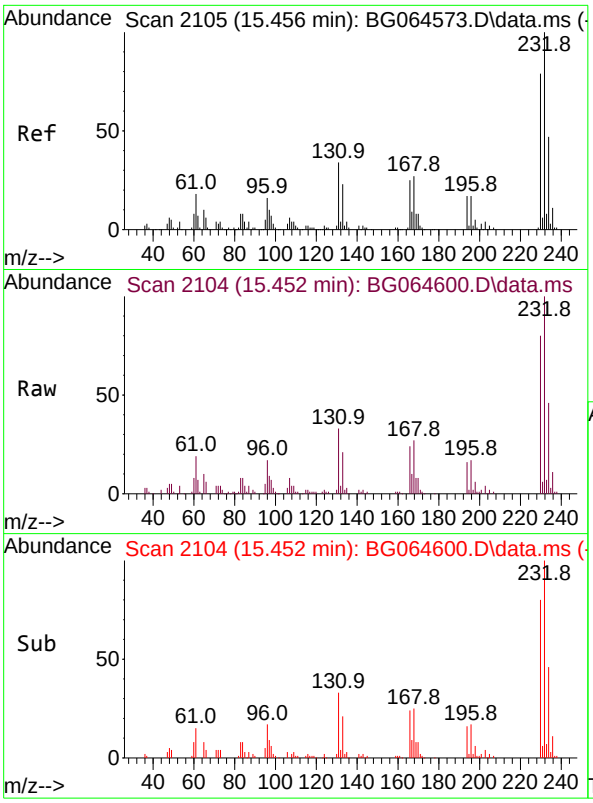


#58
Fluorene
Concen: 42.889 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:166 Resp: 273843

Ion	Ratio	Lower	Upper
166	100		
165	103.6	81.5	122.3
167	14.0	11.4	17.0



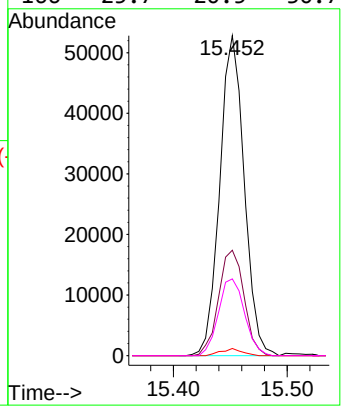


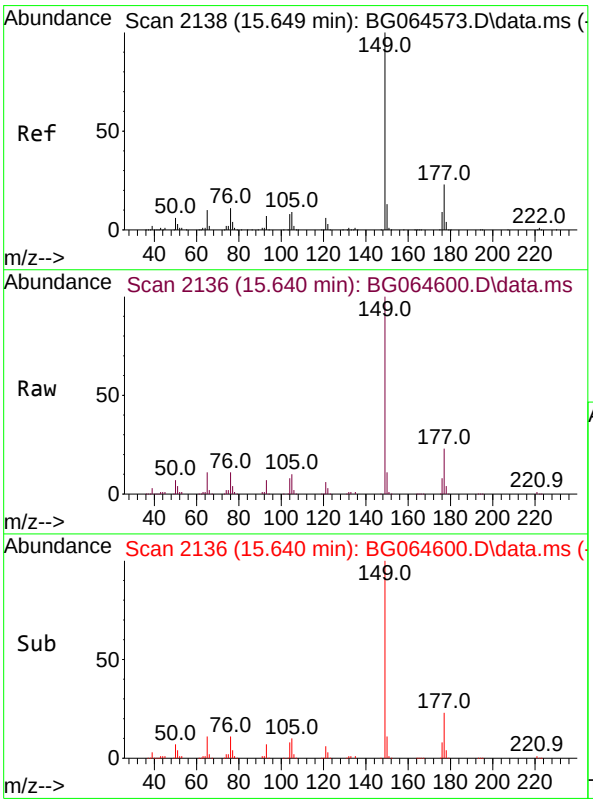
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.494 ng
RT: 15.452 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 78718

Ion	Ratio	Lower	Upper
232	100		
131	34.2	26.7	40.1
130	1.9	1.6	2.4
166	25.7	20.5	30.7

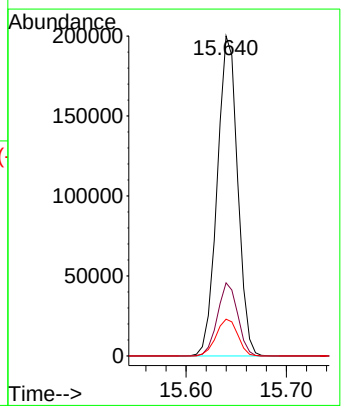


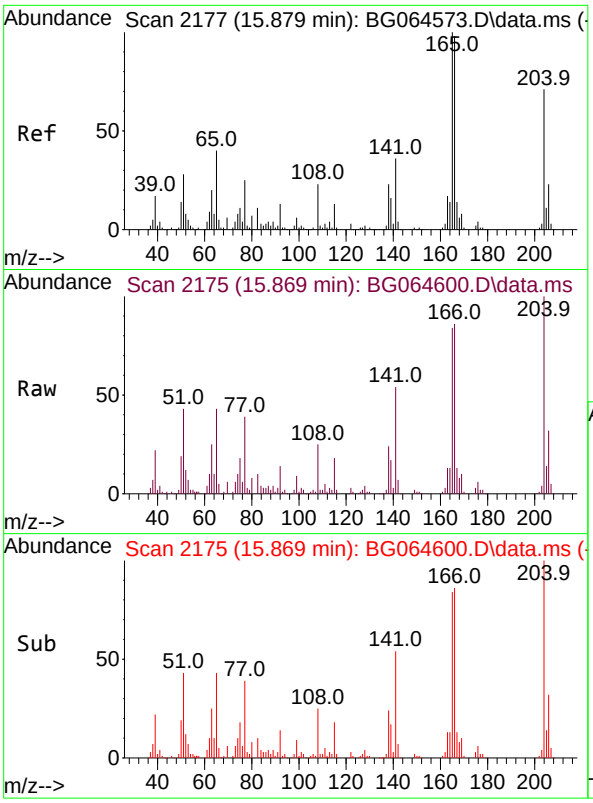


#60
Diethylphthalate
Concen: 41.444 ng
RT: 15.640 min Scan# 2136
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 283156

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.0	27.0
150	11.5	10.2	15.4



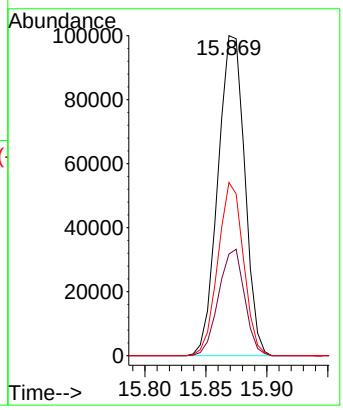


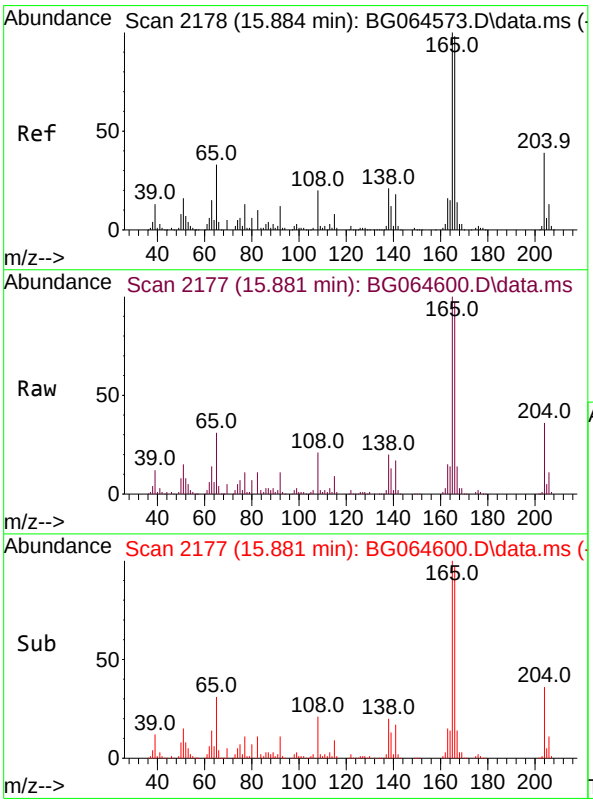
#61
4-Chlorophenyl-phenylether
Concen: 42.673 ng
RT: 15.869 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 152906

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	54.1	40.6	60.8

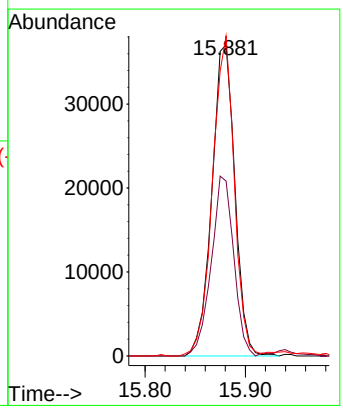


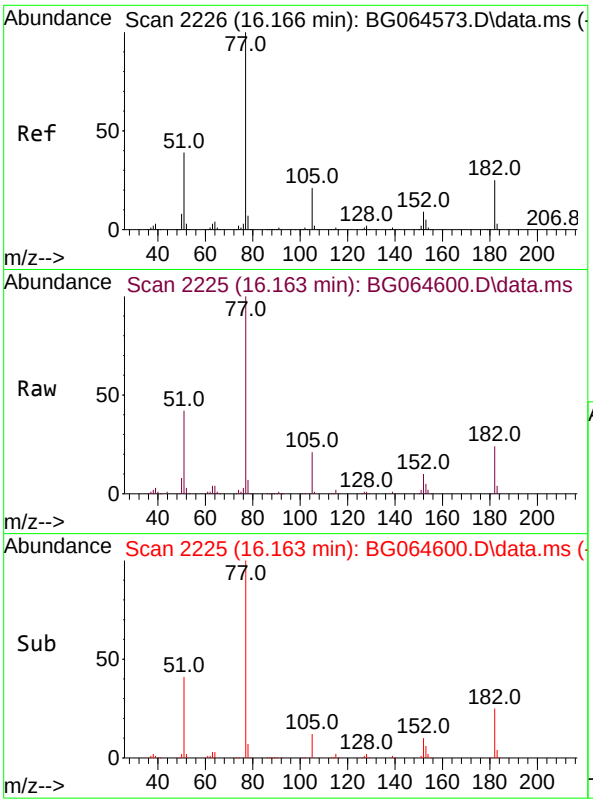


#62
4-Nitroaniline
Concen: 46.150 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:138 Resp: 59041

Ion	Ratio	Lower	Upper
138	100		
92	56.2	36.1	76.1
108	102.9	75.6	115.6



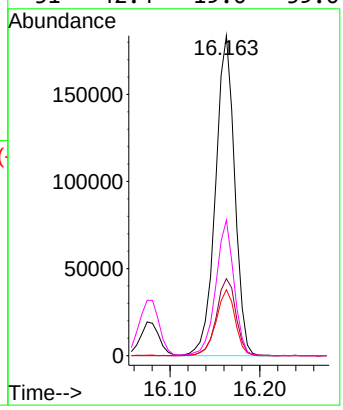


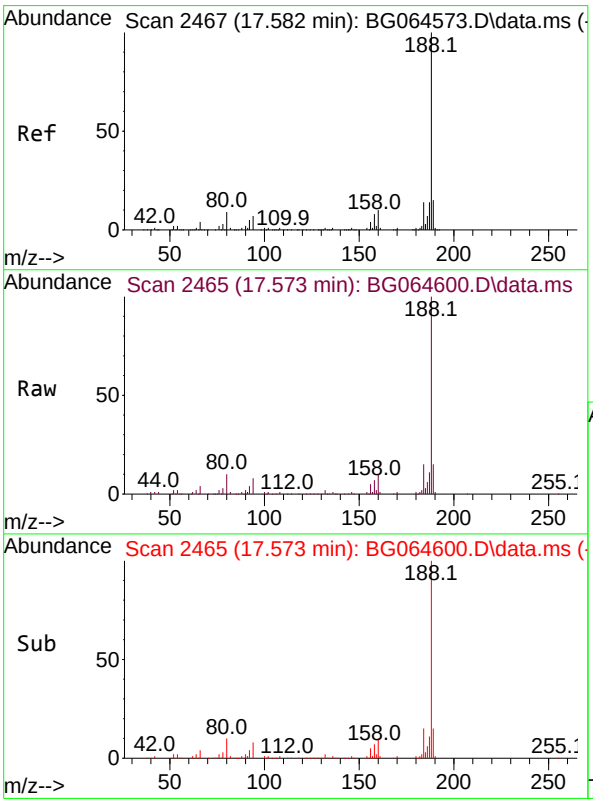
#63
Azobenzene
Concen: 43.410 ng
RT: 16.163 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 272127

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	20.6	1.3	41.3
51	42.4	19.0	59.0

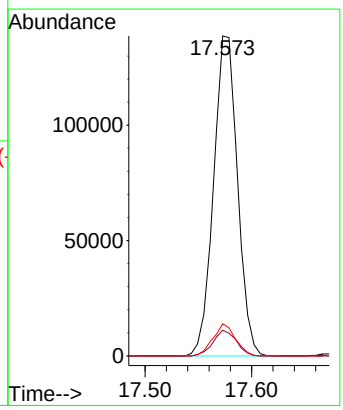


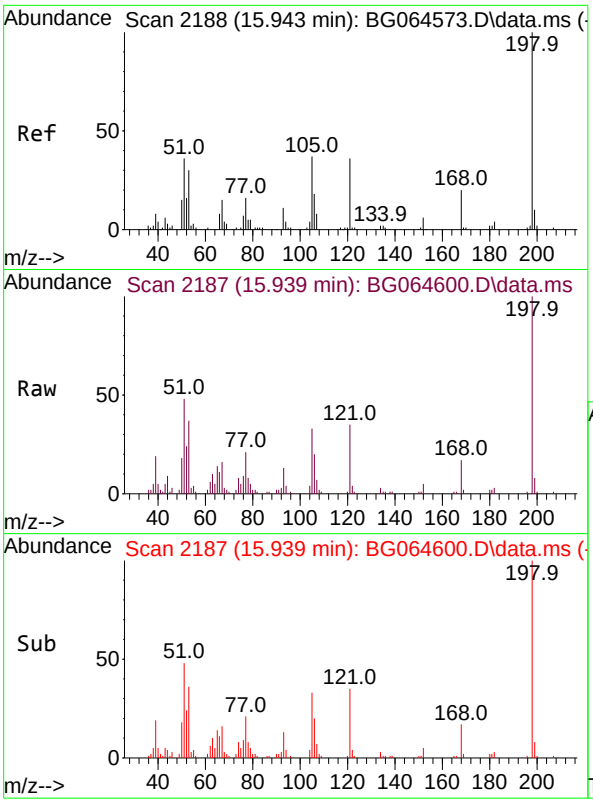


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:188 Resp: 216707

Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.7	8.5
80	10.0	6.8	10.2



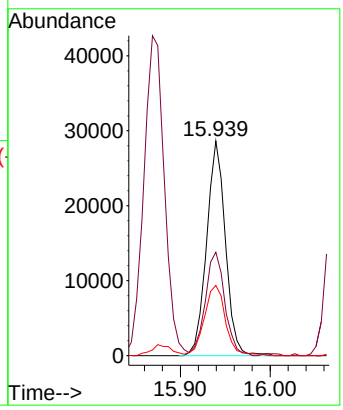


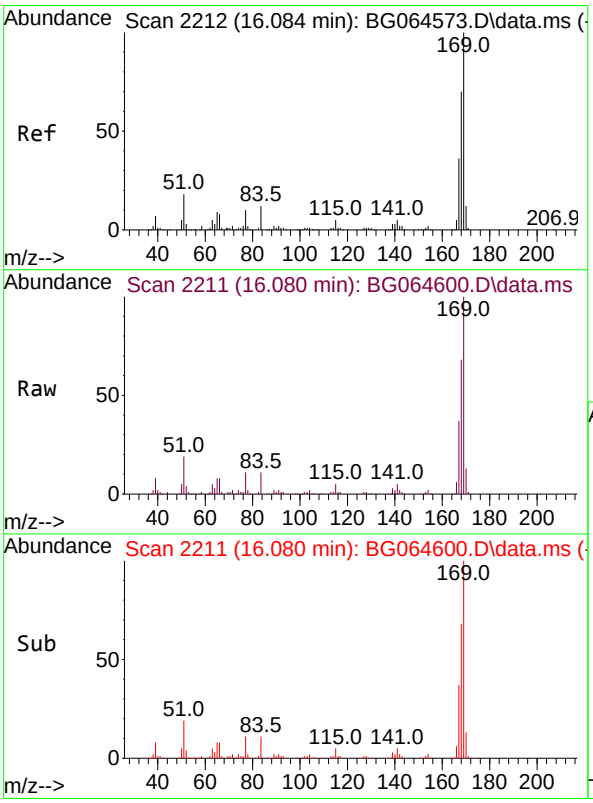
#65
4,6-Dinitro-2-methylphenol
Concen: 44.112 ng
RT: 15.939 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 41592

Ion	Ratio	Lower	Upper
198	100		
51	48.2	24.7	64.7
105	32.8	18.0	58.0

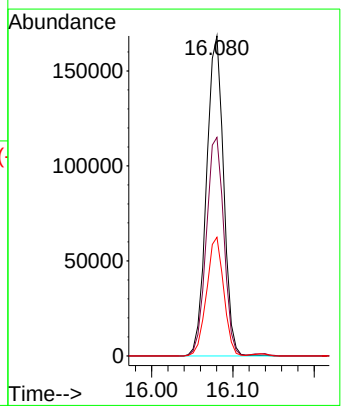


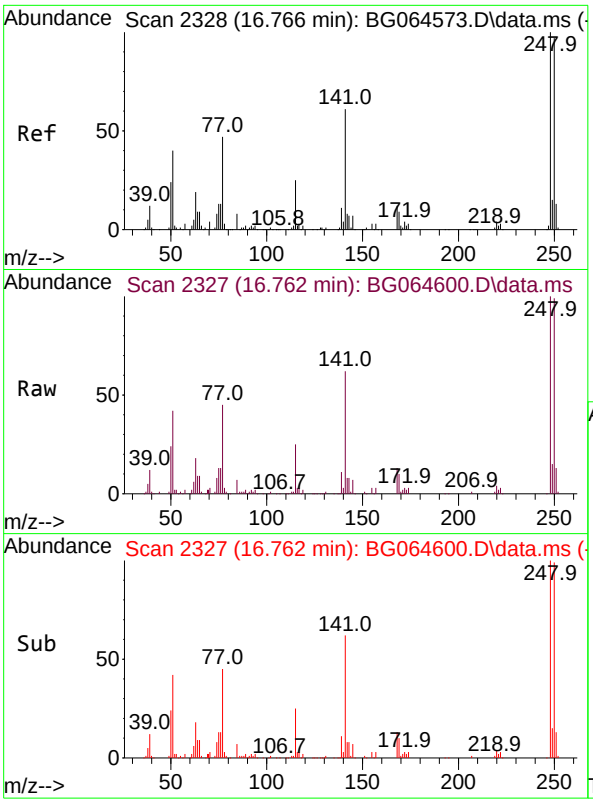


#66
n-Nitrosodiphenylamine
Concen: 41.931 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:169 Resp: 245458

Ion	Ratio	Lower	Upper
169	100		
168	68.3	56.3	84.5
167	37.1	29.0	43.6



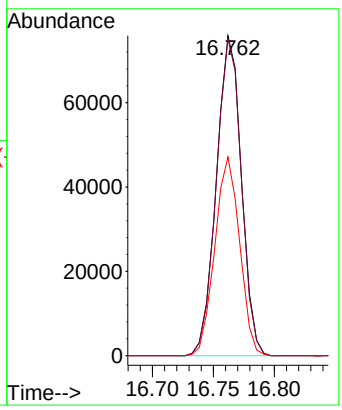


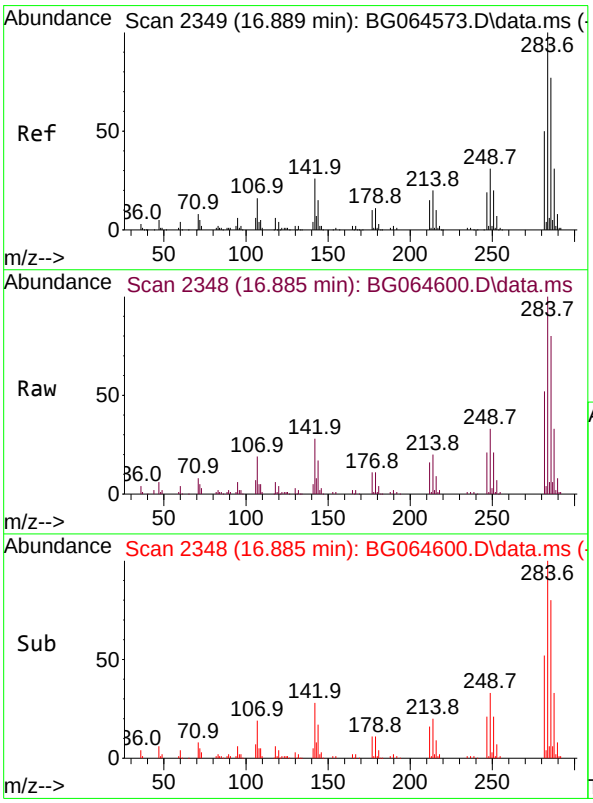
#67
4-Bromophenyl-phenylether
Concen: 42.202 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 108377

Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.7	116.5
141	62.1	48.6	72.8

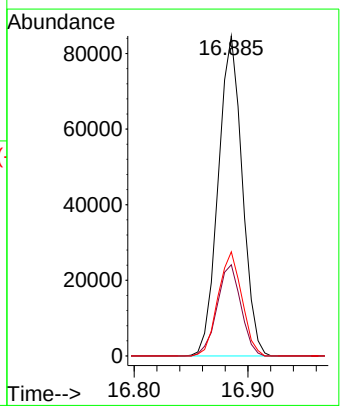


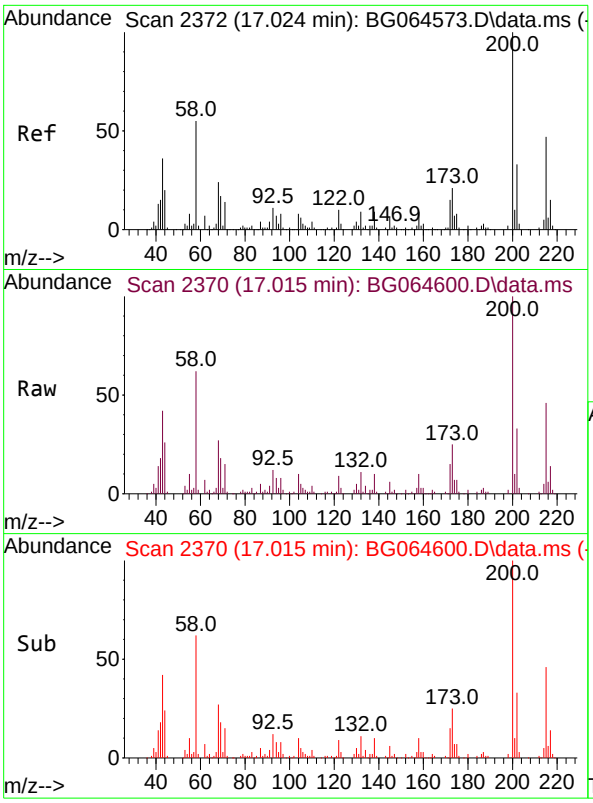


#68
Hexachlorobenzene
Concen: 42.333 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:284 Resp: 124024

Ion	Ratio	Lower	Upper
284	100		
142	28.5	21.0	31.6
249	32.5	24.9	37.3



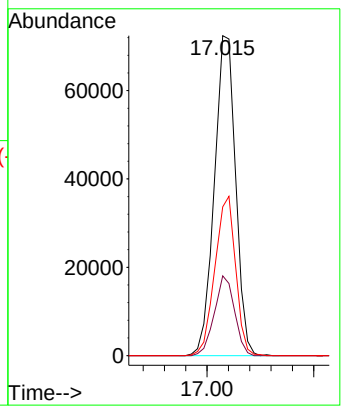


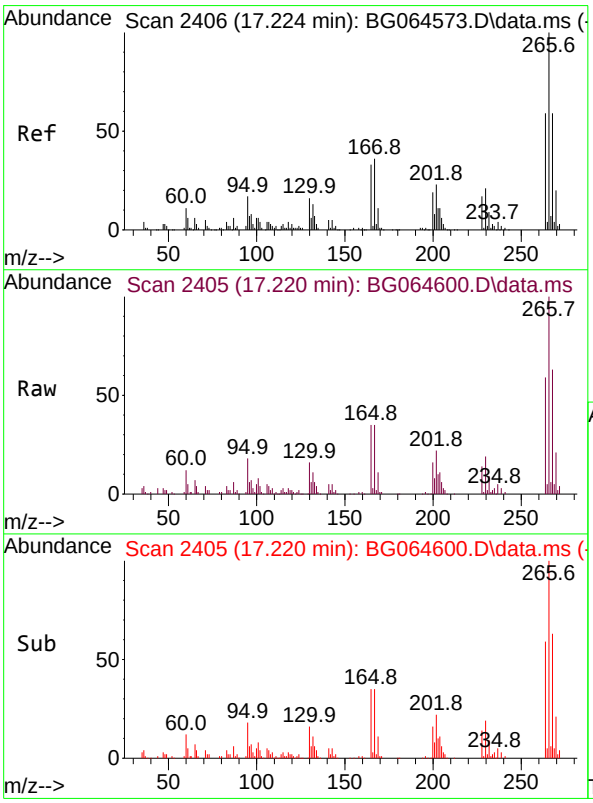
#69
Atrazine
Concen: 39.933 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 100596

Ion	Ratio	Lower	Upper
200	100		
173	24.9	0.9	40.9
215	46.5	27.0	67.0

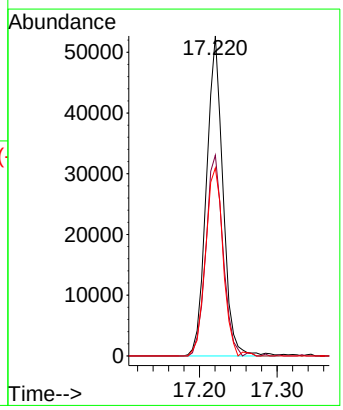


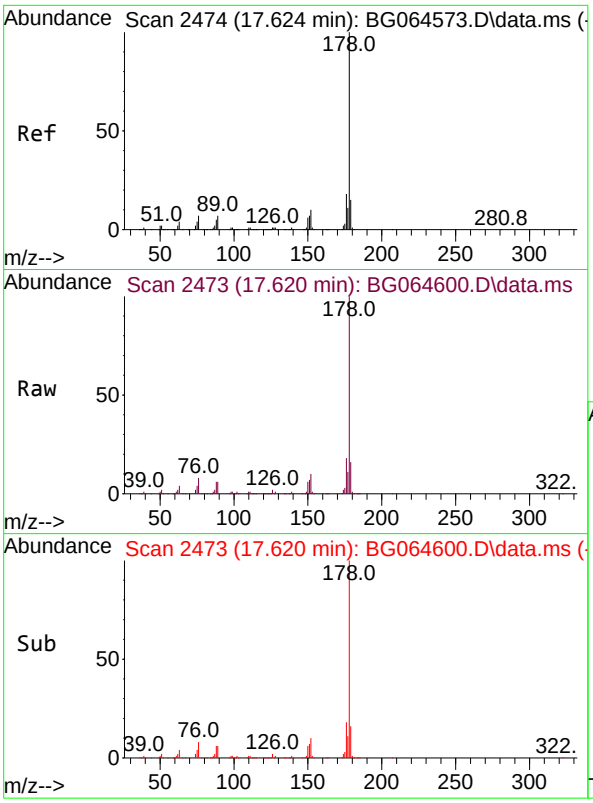


#70
Pentachlorophenol
Concen: 42.624 ng
RT: 17.220 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:266 Resp: 77871

Ion	Ratio	Lower	Upper
266	100		
268	67.3	50.3	75.5
264	63.3	47.3	70.9



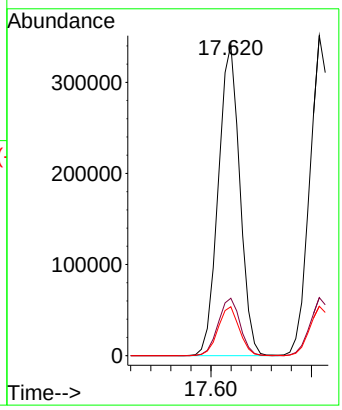


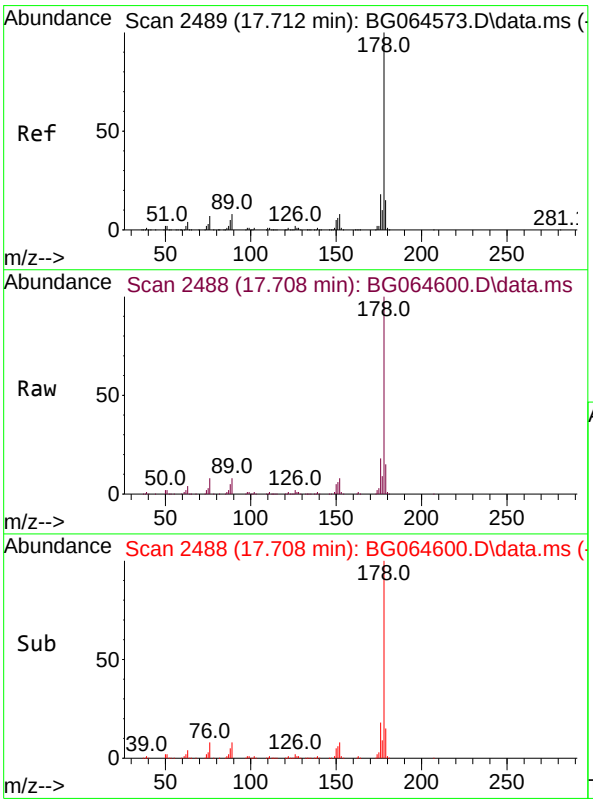
#71
Phenanthrene
Concen: 42.940 ng
RT: 17.620 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 508872

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.7	12.2	18.4

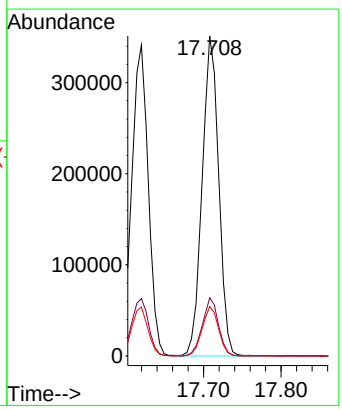


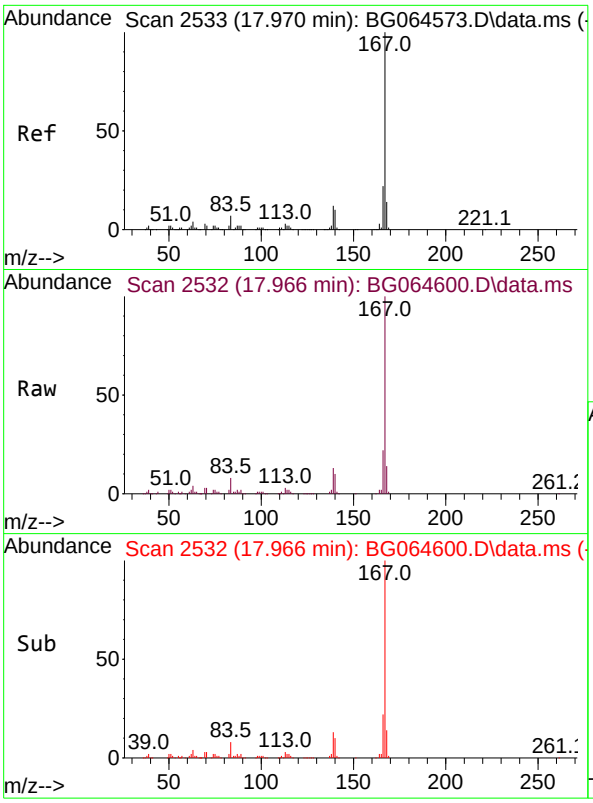


#72
Anthracene
Concen: 43.088 ng
RT: 17.708 min Scan# 2488
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:178 Resp: 519429

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.4	12.4	18.6



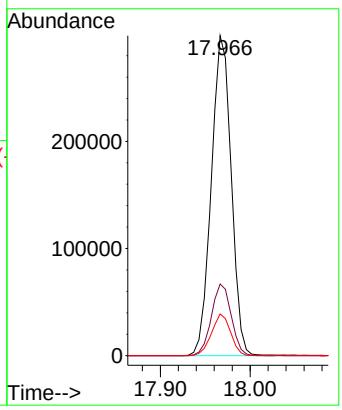


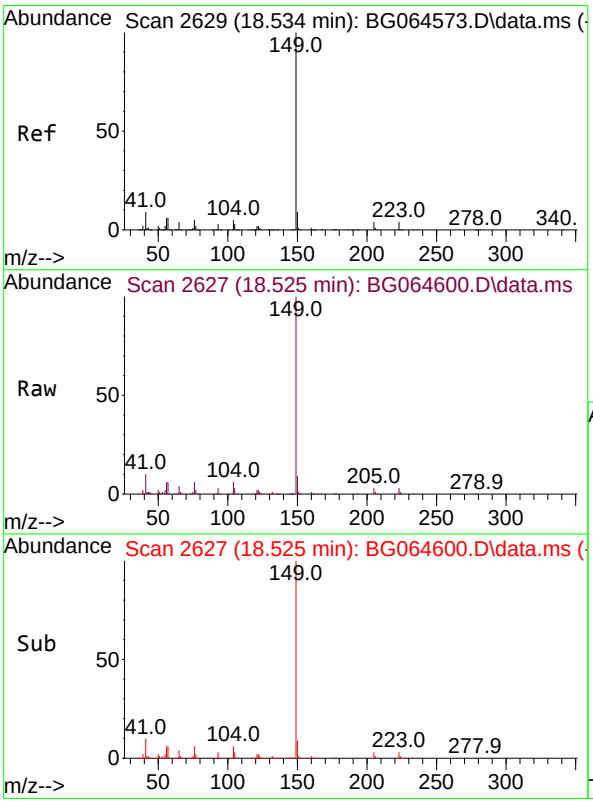
#73
Carbazole
Concen: 43.381 ng
RT: 17.966 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 461150

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	13.0	9.7	14.5

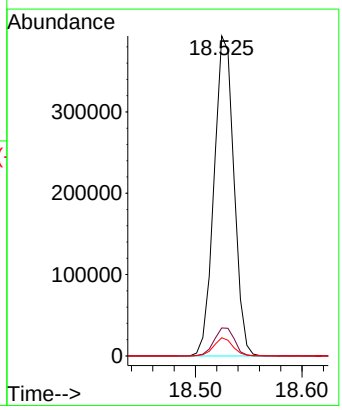


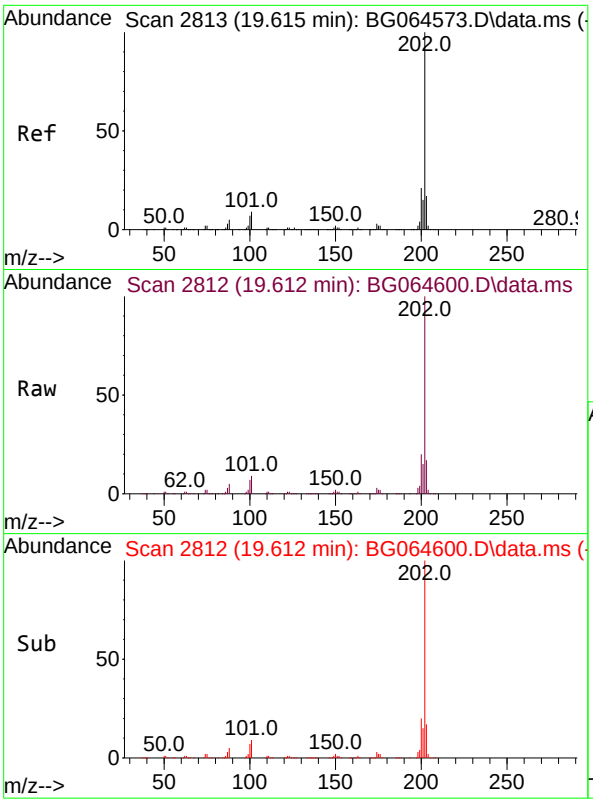


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.525 min Scan# 2627
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 509848

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	5.7	4.1	6.1



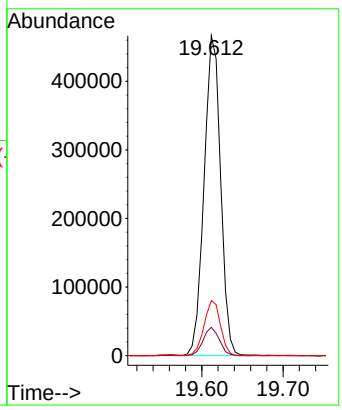


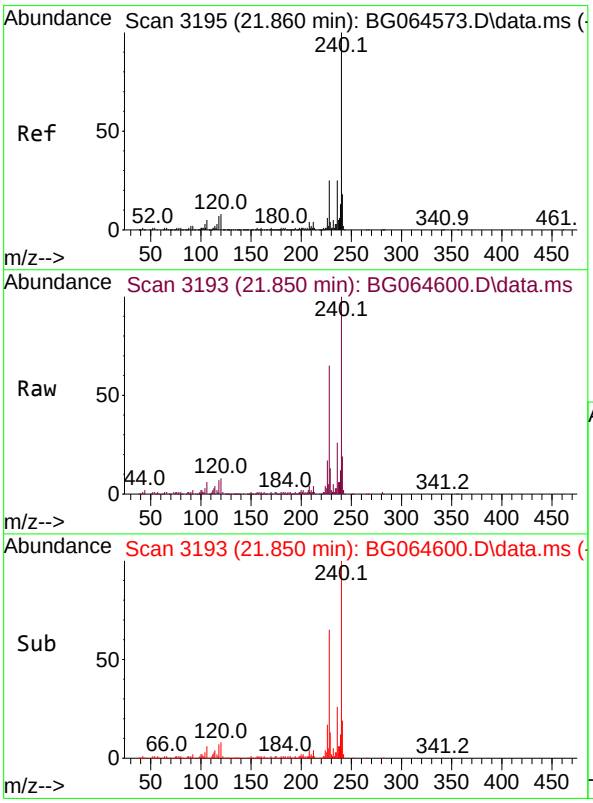
#75
Fluoranthene
Concen: 44.309 ng
RT: 19.612 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 657820

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	17.2	0.0	37.0

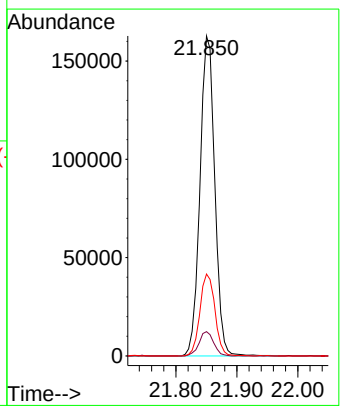


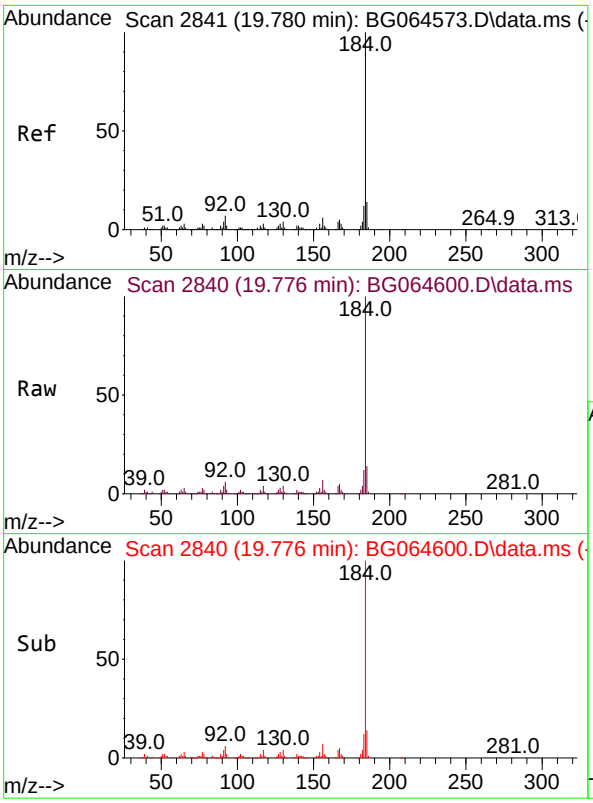


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.850 min Scan# 3193
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:240 Resp: 273944

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.6	20.2	30.2



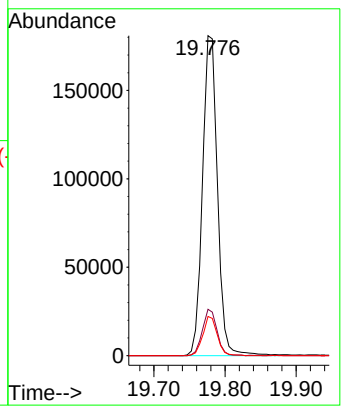


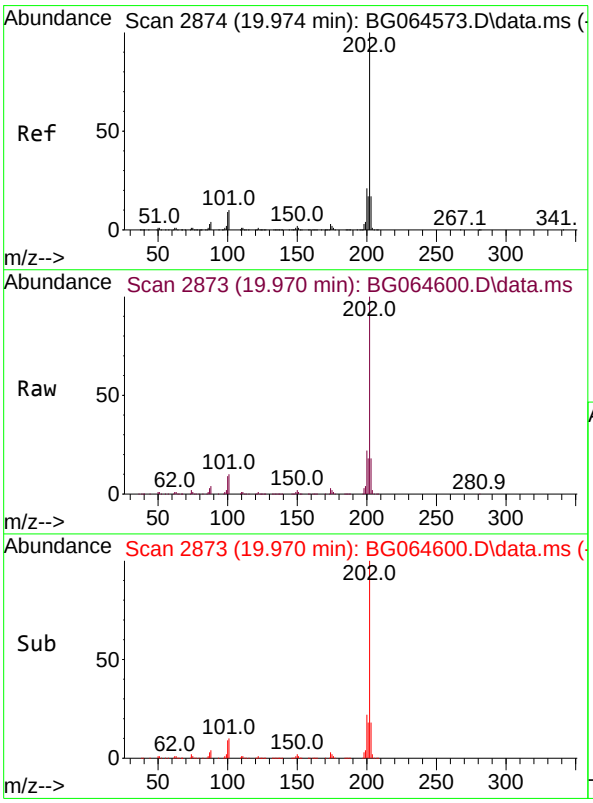
#77
Benzidine
Concen: 42.865 ng
RT: 19.776 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 263080

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	12.2	9.4	14.2

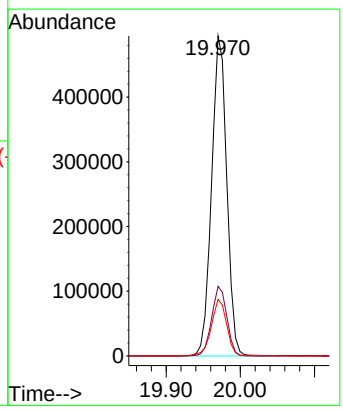


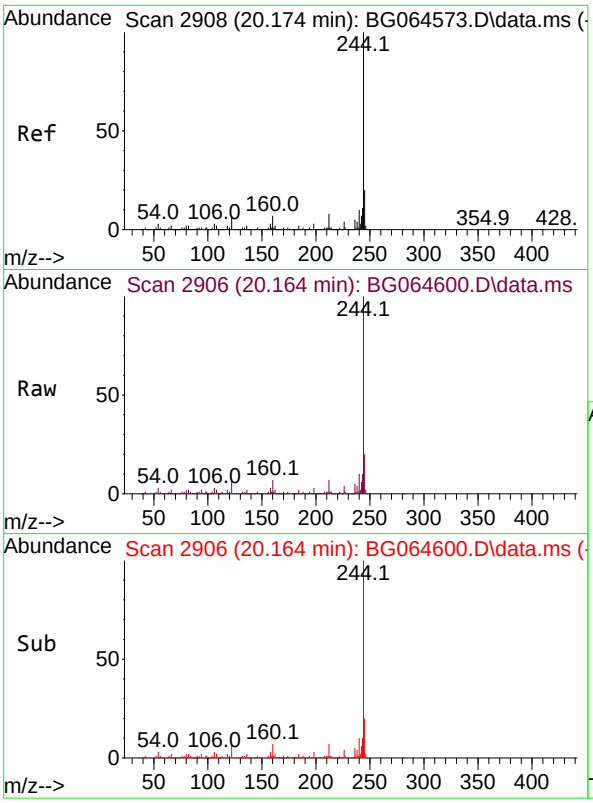


#78
Pyrene
Concen: 39.200 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:202 Resp: 701611

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.4
203	17.7	13.8	20.6



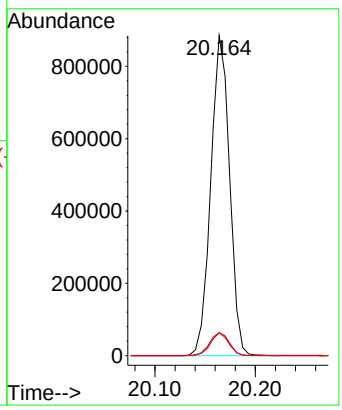


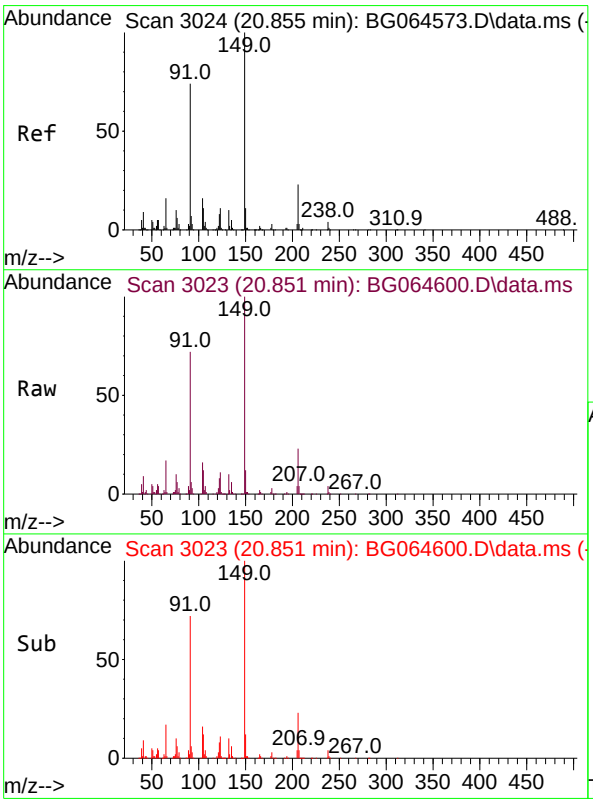
#79
Terphenyl-d14
Concen: 79.314 ng
RT: 20.164 min Scan# 29
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1151331

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

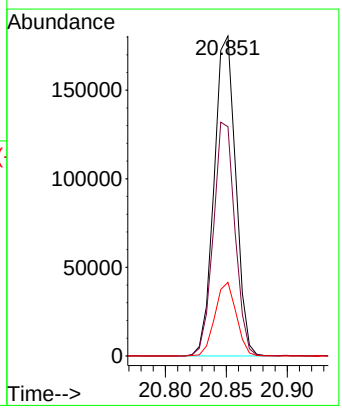


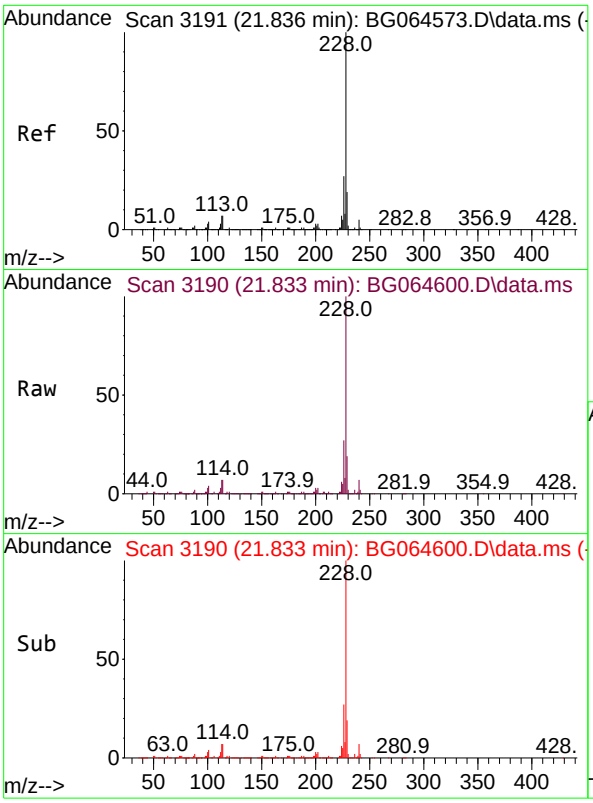


#80
Butylbenzylphthalate
Concen: 41.284 ng
RT: 20.851 min Scan# 3023
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 223322

Ion	Ratio	Lower	Upper
149	100		
91	71.6	59.2	88.8
206	23.0	18.1	27.1



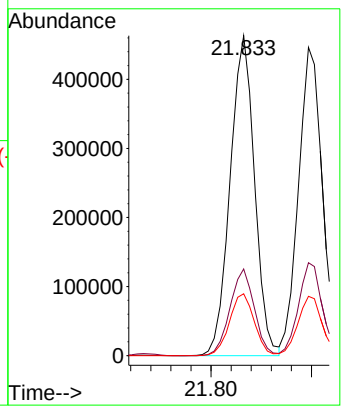


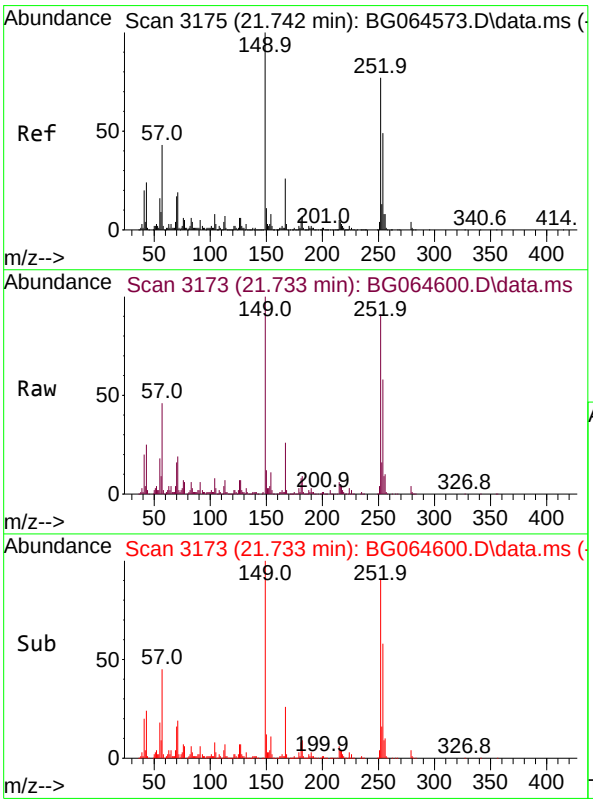
#81
Benzo(a)anthracene
Concen: 43.127 ng
RT: 21.833 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 783360

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.3	15.6	23.4

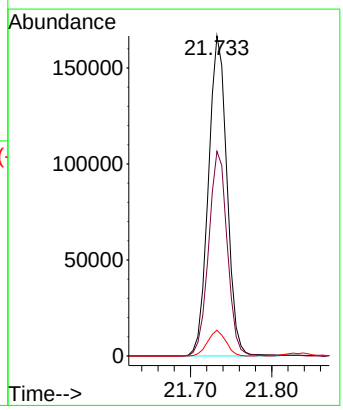


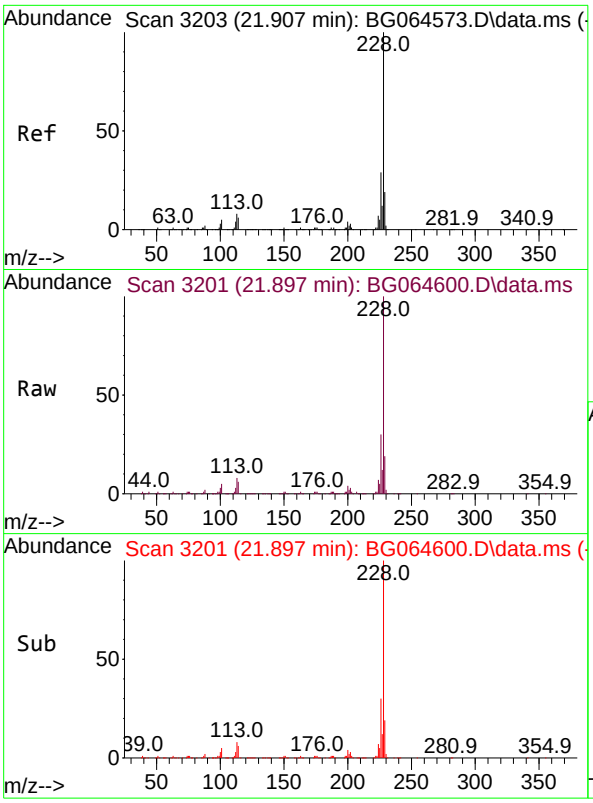


#82
3,3'-Dichlorobenzidine
Concen: 43.634 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 264664

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6



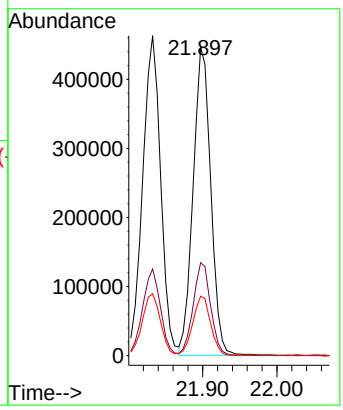


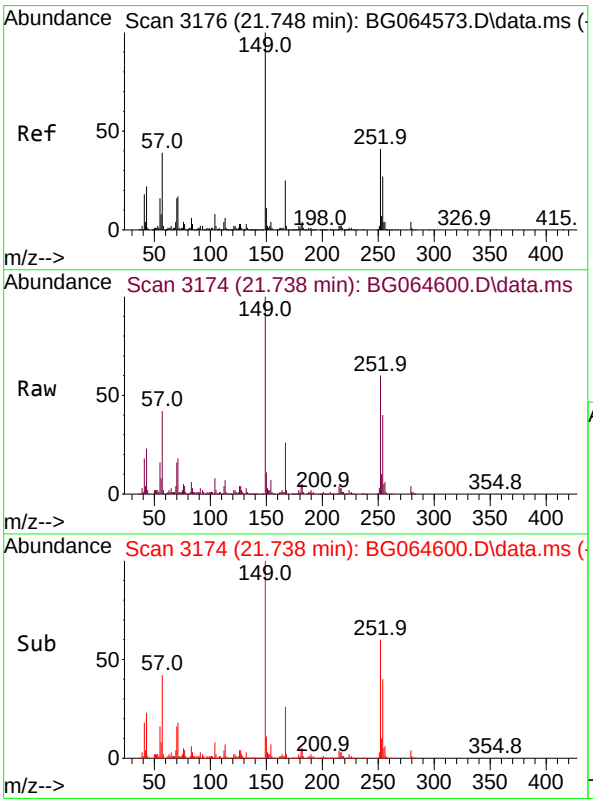
#83
Chrysene
Concen: 42.699 ng
RT: 21.897 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 737979

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.3	15.2	22.8

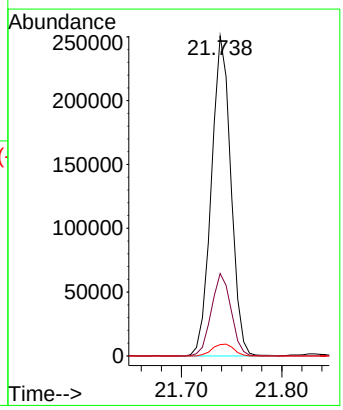


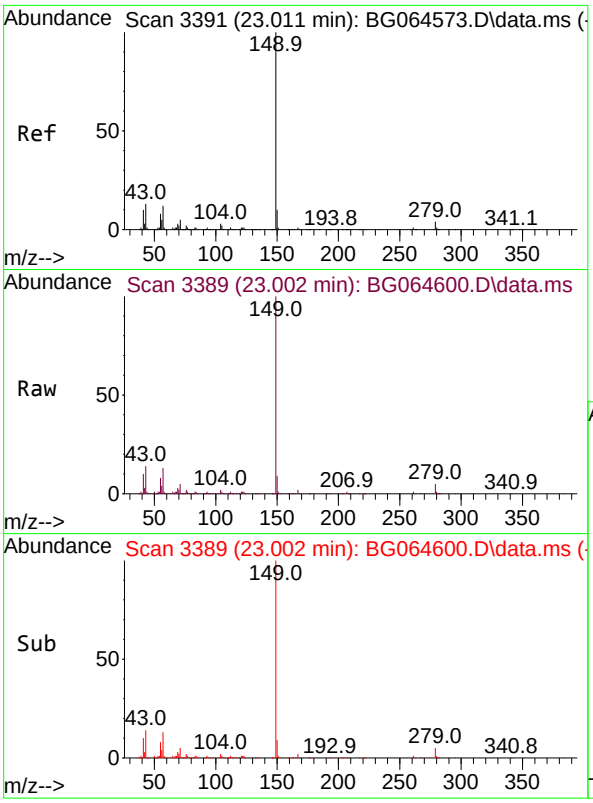


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.896 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 338648

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.0	30.0
279	3.5	3.1	4.7



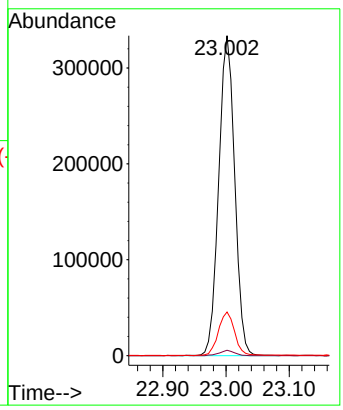


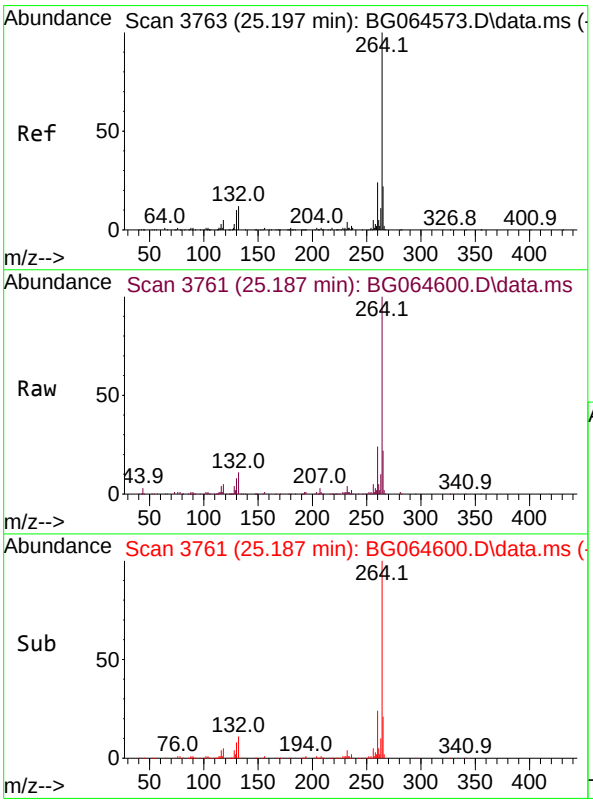
#85
Di-n-octyl phthalate
Concen: 42.989 ng
RT: 23.002 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 585842

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2

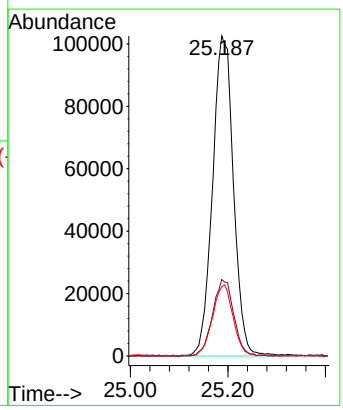


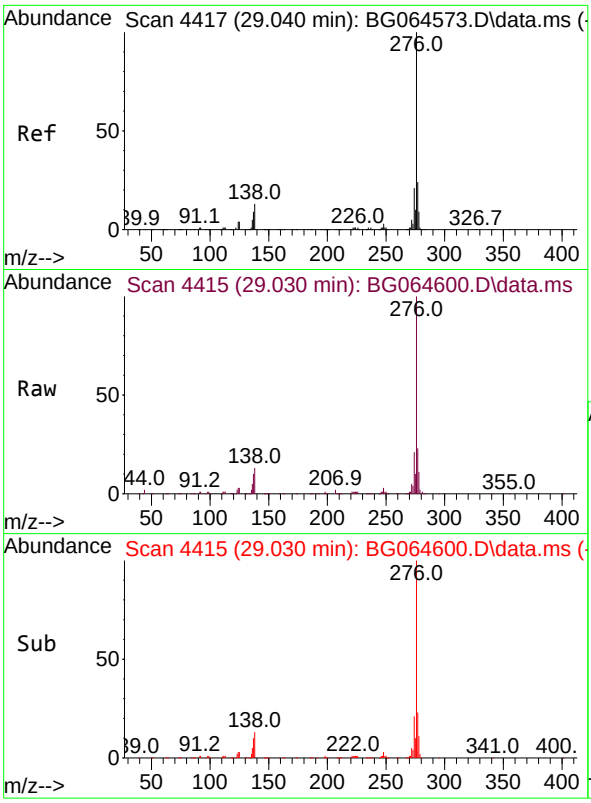


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.187 min Scan# 3761
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:264 Resp: 304830

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.6	17.6	26.4



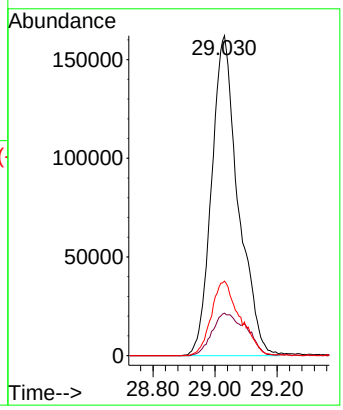


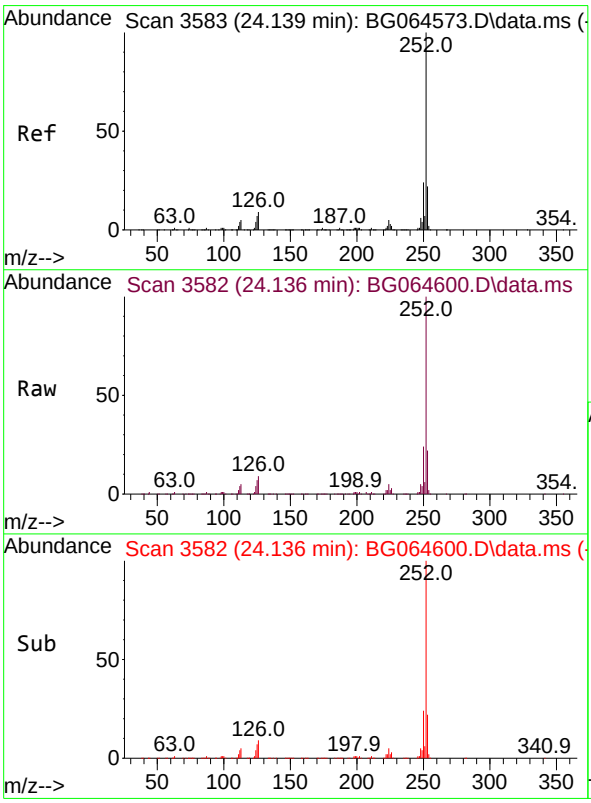
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.075 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 965926

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1

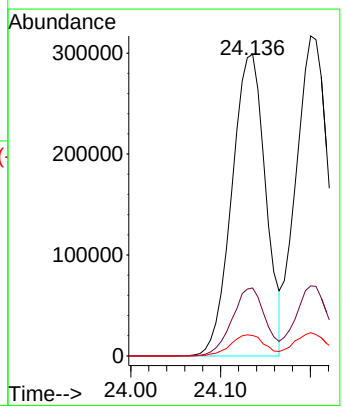


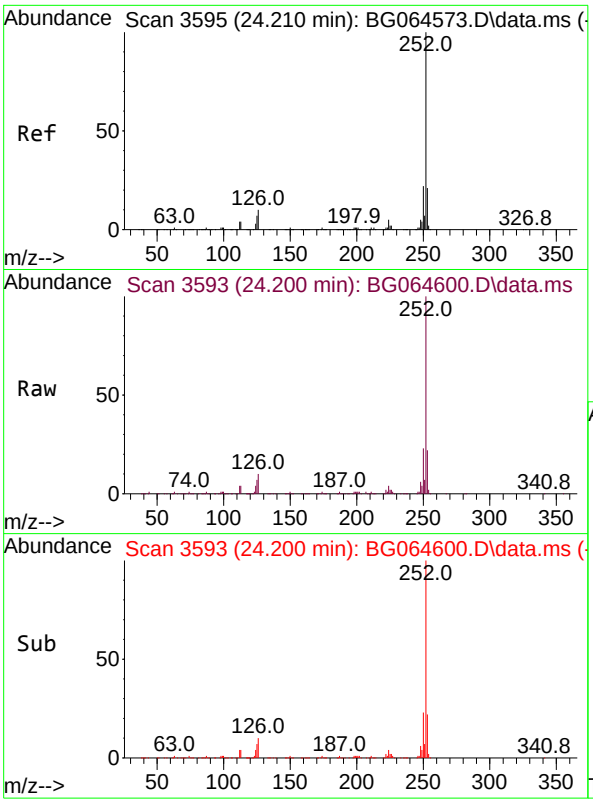


#88
Benzo(b)fluoranthene
Concen: 41.888 ng
RT: 24.136 min Scan# 3582
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 782982

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	6.8	5.6	8.4



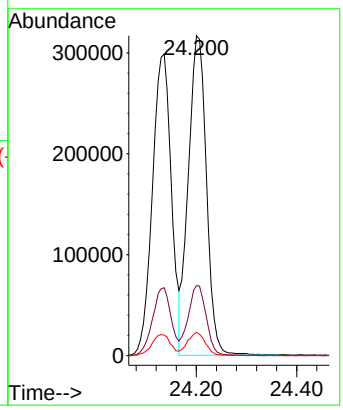


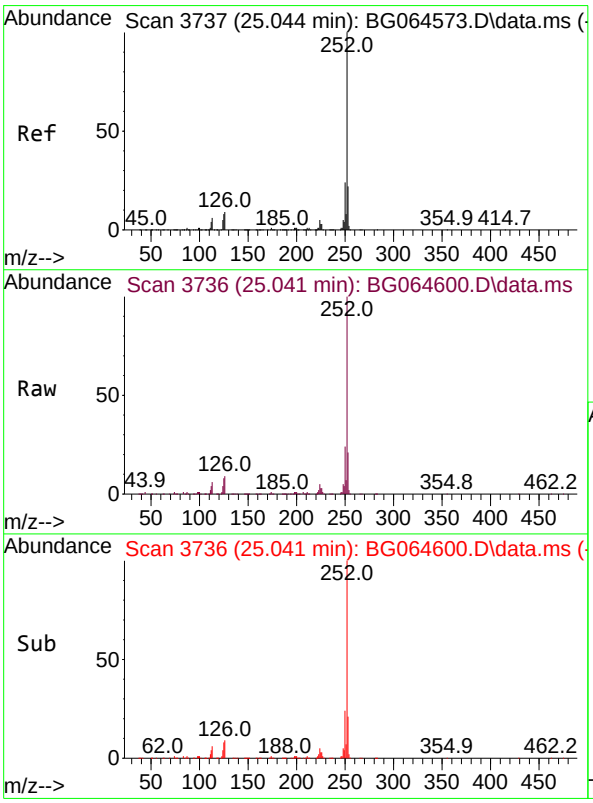
#89
Benzo(k)fluoranthene
Concen: 42.510 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 795148

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.8	25.2
125	7.3	5.4	8.0

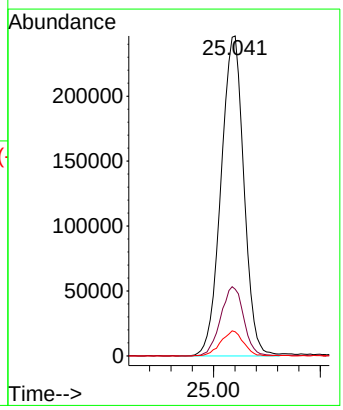


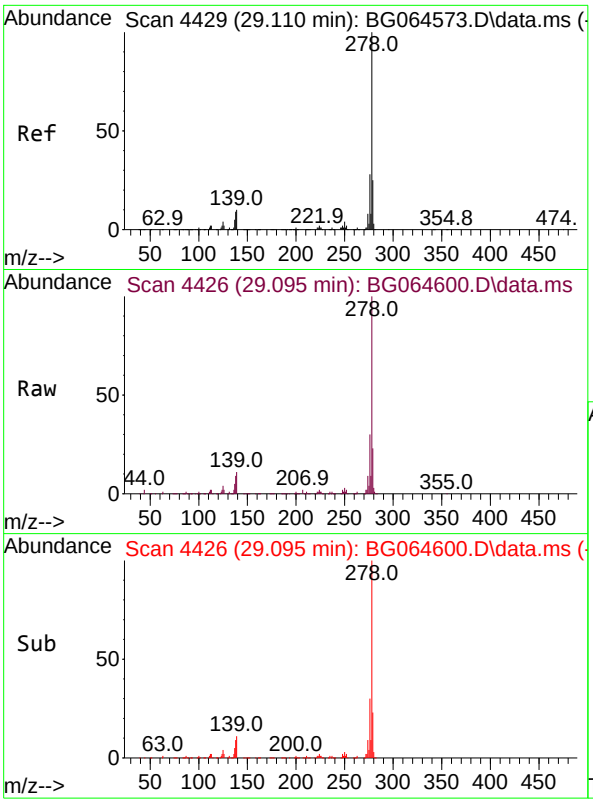


#90
Benzo(a)pyrene
Concen: 42.632 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 732498

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	7.5	6.1	9.1



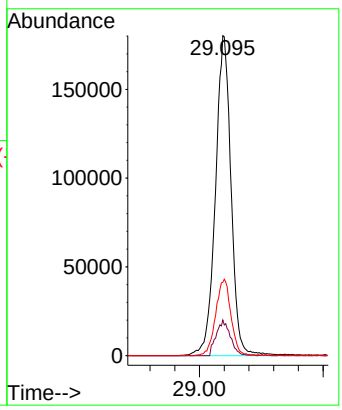


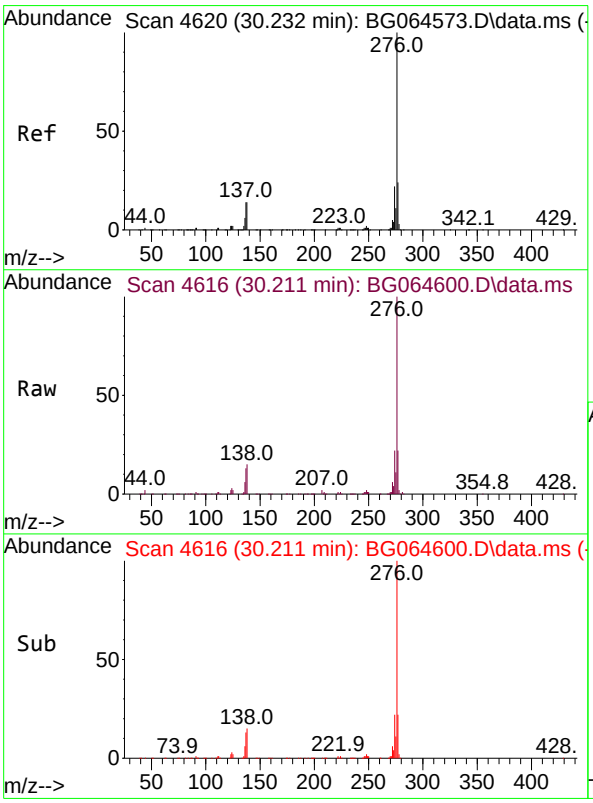
#91
Dibenzo(a,h)anthracene
Concen: 43.228 ng
RT: 29.095 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 787525

Ion	Ratio	Lower	Upper
278	100		
139	11.1	8.0	12.0
279	22.9	19.8	29.6

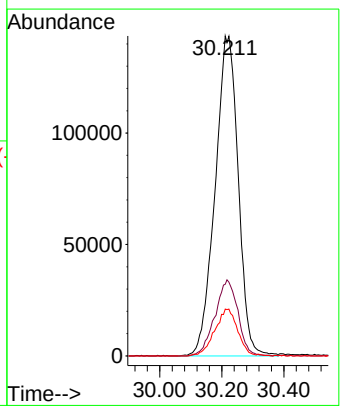




#92
Benzo(g,h,i)perylene
Concen: 42.724 ng
RT: 30.211 min Scan# 4616
Delta R.T. -0.021 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:276 Resp: 743544

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.1	28.7
138	14.6	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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	71	0.00
2		1,4-Dioxane	0.528	0.500	5.3	68	0.00
3		Pyridine	1.584	1.484	6.3	63	0.00
4		n-Nitrosodimethylamine	0.850	0.841	1.1	67	0.00
5	S	2-Fluorophenol	1.192	1.244	-4.4	69	0.00
6		Aniline	2.225	2.289	-2.9	68	0.00
7	S	Phenol-d6	1.635	1.675	-2.4	67	0.00
8		2-Chlorophenol	1.247	1.245	0.2	65	0.00
9		Benzaldehyde	0.893	0.888	0.6	67	0.00
10	C	Phenol	1.808	1.888	-4.4	69	0.00
11		bis(2-Chloroethyl)ether	1.329	1.384	-4.1	71	0.00
12		1,3-Dichlorobenzene	1.435	1.491	-3.9	70	0.00
13	C	1,4-Dichlorobenzene	1.460	1.522	-4.2	71	0.00
14		1,2-Dichlorobenzene	1.408	1.442	-2.4	69	0.00
15		Benzyl Alcohol	1.348	1.311	2.7	66	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.880	-11.3	74	0.00
17		2-Methylphenol	1.201	1.245	-3.7	70	0.00
18		Hexachloroethane	0.512	0.551	-7.6	73	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.210	-7.1	70	0.00
20		3+4-Methylphenols	1.688	1.671	1.0	66	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.547	0.583	-6.6	68	0.00
23	S	Nitrobenzene-d5	0.333	0.361	-8.4	65	0.00
24		Nitrobenzene	0.362	0.392	-8.3	65	0.00
25		Isophorone	0.799	0.869	-8.8	68	0.00
26	C	2-Nitrophenol	0.121	0.135	-11.6	67	0.00
27		2,4-Dimethylphenol	0.297	0.323	-8.8	66	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.488	-7.3	68	0.00
29	C	2,4-Dichlorophenol	0.320	0.337	-5.3	64	0.00
30		1,2,4-Trichlorobenzene	0.363	0.391	-7.7	68	0.00
31		Naphthalene	1.109	1.185	-6.9	69	0.00
32		Benzoic acid	0.207	0.160	22.7	49#	-0.02
33		4-Chloroaniline	0.431	0.453	-5.1	67	0.00
34	C	Hexachlorobutadiene	0.284	0.301	-6.0	69	0.00
35		Caprolactam	0.123	0.122	0.8	62	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.408	-6.2	66	0.00
37		2-Methylnaphthalene	0.814	0.869	-6.8	69	0.00
38		1-Methylnaphthalene	0.806	0.847	-5.1	68	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	67	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.712	-6.1	68	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.327	-8.3	68	0.00
42	S	2,4,6-Tribromophenol	0.289	0.305	-5.5	64	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.408	-6.2	65	0.00
44		2,4,5-Trichlorophenol	0.443	0.462	-4.3	64	0.00
45	S	2-Fluorobiphenyl	1.319	1.384	-4.9	67	0.00
46		1,1'-Biphenyl	1.422	1.511	-6.3	68	0.00
47		2-Chloronaphthalene	1.073	1.142	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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	0.324	-4.2	62	0.00
49		Acenaphthylene	1.693	1.798	-6.2	67	0.00
50		Dimethylphthalate	1.530	1.578	-3.1	64	0.00
51		2,6-Dinitrotoluene	0.218	0.235	-7.8	64	0.00
52	C	Acenaphthene	1.157	1.231	-6.4	67	0.00
53		3-Nitroaniline	0.263	0.290	-10.3	66	0.00
54	P	2,4-Dinitrophenol	0.132	0.158	-19.7	77	0.00
55		Dibenzofuran	1.870	1.967	-5.2	67	0.00
56	P	4-Nitrophenol	0.244	0.261	-7.0	67	0.00
57		2,4-Dinitrotoluene	0.340	0.374	-10.0	65	0.00
58		Fluorene	1.460	1.566	-7.3	69	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.450	-6.1	65	0.00
60		Diethylphthalate	1.563	1.619	-3.6	65	0.00
61		4-Chlorophenyl-phenylether	0.820	0.874	-6.6	68	0.00
62		4-Nitroaniline	0.293	0.338	-15.4	69	0.00
63		Azobenzene	1.434	1.556	-8.5	68	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.096	-21.5	80	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.566	-4.8	67	0.00
67		4-Bromophenyl-phenylether	0.237	0.250	-5.5	67	0.00
68		Hexachlorobenzene	0.270	0.286	-5.9	68	0.00
69		Atrazine	0.232	0.232	0.0	65	0.00
70	C	Pentachlorophenol	0.169	0.180	-6.5	69	0.00
71		Phenanthrene	1.094	1.174	-7.3	70	0.00
72		Anthracene	1.113	1.198	-7.6	70	0.00
73		Carbazole	0.981	1.064	-8.5	71	0.00
74		Di-n-butylphthalate	1.134	1.176	-3.7	66	0.00
75	C	Fluoranthene	1.370	1.518	-10.8	73	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	82	0.00
77		Benzidine	0.448	0.480	-7.1	81	0.00
78		Pyrene	1.307	1.281	2.0	75	0.00
79	S	Terphenyl-d14	1.060	1.051	0.8	76	0.00
80		Butylbenzylphthalate	0.395	0.408	-3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.430	-7.8	83	0.00
82		3,3'-Dichlorobenzidine	0.443	0.483	-9.0	83	0.00
83		Chrysene	1.262	1.347	-6.7	82	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.618	-4.7	76	0.00
85	c	Di-n-octyl phthalate	0.995	1.069	-7.4	81	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.584	-7.7	88	0.00
88		Benzo(b)fluoranthene	1.226	1.284	-4.7	84	0.00
89		Benzo(k)fluoranthene	1.227	1.304	-6.3	88	0.00
90	C	Benzo(a)pyrene	1.127	1.201	-6.6	87	0.00
91		Dibenzo(a,h)anthracene	1.195	1.292	-8.1	89	-0.02
92		Benzo(g,h,i)perylene	1.142	1.220	-6.8	87	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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	71	0.00
2		1,4-Dioxane	40.000	37.877	5.3	68	0.00
3		Pyridine	40.000	37.468	6.3	63	0.00
4		n-Nitrosodimethylamine	40.000	39.595	1.0	67	0.00
5	S	2-Fluorophenol	80.000	83.542	-4.4	69	0.00
6		Aniline	40.000	41.150	-2.9	68	0.00
7	S	Phenol-d6	80.000	81.955	-2.4	67	0.00
8		2-Chlorophenol	40.000	39.939	0.2	65	0.00
9		Benzaldehyde	40.000	39.786	0.5	67	0.00
10	C	Phenol	40.000	41.757	-4.4	69	0.00
11		bis(2-Chloroethyl)ether	40.000	41.648	-4.1	71	0.00
12		1,3-Dichlorobenzene	40.000	41.539	-3.8	70	0.00
13	C	1,4-Dichlorobenzene	40.000	41.719	-4.3	71	0.00
14		1,2-Dichlorobenzene	40.000	40.967	-2.4	69	0.00
15		Benzyl Alcohol	40.000	38.894	2.8	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	44.501	-11.3	74	0.00
17		2-Methylphenol	40.000	41.468	-3.7	70	0.00
18		Hexachloroethane	40.000	43.063	-7.7	73	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.830	-7.1	70	0.00
20		3+4-Methylphenols	40.000	39.590	1.0	66	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	42.627	-6.6	68	0.00
23	S	Nitrobenzene-d5	80.000	86.691	-8.4	65	0.00
24		Nitrobenzene	40.000	43.241	-8.1	65	0.00
25		Isophorone	40.000	43.526	-8.8	68	0.00
26	C	2-Nitrophenol	40.000	39.240	1.9	67	0.00
27		2,4-Dimethylphenol	40.000	43.459	-8.6	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.920	-7.3	68	0.00
29	C	2,4-Dichlorophenol	40.000	42.166	-5.4	64	0.00
30		1,2,4-Trichlorobenzene	40.000	42.989	-7.5	68	0.00
31		Naphthalene	40.000	42.747	-6.9	69	0.00
32		Benzoic acid	40.000	30.728	23.2	49	-0.02
33		4-Chloroaniline	40.000	42.020	-5.1	67	0.00
34	C	Hexachlorobutadiene	40.000	42.430	-6.1	69	0.00
35		Caprolactam	40.000	39.664	0.8	62	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.414	-6.0	66	0.00
37		2-Methylnaphthalene	40.000	42.698	-6.7	69	0.00
38		1-Methylnaphthalene	40.000	42.038	-5.1	68	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	67	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.409	-6.0	68	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.286	-8.2	68	0.00
42	S	2,4,6-Tribromophenol	80.000	84.394	-5.5	64	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.468	-6.2	65	0.00
44		2,4,5-Trichlorophenol	40.000	41.754	-4.4	64	0.00
45	S	2-Fluorobiphenyl	80.000	83.896	-4.9	67	0.00
46		1,1'-Biphenyl	40.000	42.521	-6.3	68	0.00
47		2-Chloronaphthalene	40.000	42.561	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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	36.830	7.9	62	0.00
49		Acenaphthylene	40.000	42.492	-6.2	67	0.00
50		Dimethylphthalate	40.000	41.234	-3.1	64	0.00
51		2,6-Dinitrotoluene	40.000	37.929	5.2	64	0.00
52	C	Acenaphthene	40.000	42.558	-6.4	67	0.00
53		3-Nitroaniline	40.000	44.086	-10.2	66	0.00
54	P	2,4-Dinitrophenol	40.000	43.496	-8.7	77	0.00
55		Dibenzofuran	40.000	42.088	-5.2	67	0.00
56	P	4-Nitrophenol	40.000	42.870	-7.2	67	0.00
57		2,4-Dinitrotoluene	40.000	38.904	2.7	65	0.00
58		Fluorene	40.000	42.889	-7.2	69	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.494	-6.2	65	0.00
60		Diethylphthalate	40.000	41.444	-3.6	65	0.00
61		4-Chlorophenyl-phenylether	40.000	42.673	-6.7	68	0.00
62		4-Nitroaniline	40.000	46.150	-15.4	69	0.00
63		Azobenzene	40.000	43.410	-8.5	68	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.112	-10.3	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.931	-4.8	67	0.00
67		4-Bromophenyl-phenylether	40.000	42.202	-5.5	67	0.00
68		Hexachlorobenzene	40.000	42.333	-5.8	68	0.00
69		Atrazine	40.000	39.933	0.2	65	0.00
70	C	Pentachlorophenol	40.000	42.624	-6.6	69	0.00
71		Phenanthrene	40.000	42.940	-7.3	70	0.00
72		Anthracene	40.000	43.088	-7.7	70	0.00
73		Carbazole	40.000	43.381	-8.5	71	0.00
74		Di-n-butylphthalate	40.000	41.476	-3.7	66	0.00
75	C	Fluoranthene	40.000	44.309	-10.8	73	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	82	0.00
77		Benzidine	40.000	42.865	-7.2	81	0.00
78		Pyrene	40.000	39.200	2.0	75	0.00
79	S	Terphenyl-d14	80.000	79.314	0.9	76	0.00
80		Butylbenzylphthalate	40.000	41.284	-3.2	75	0.00
81		Benzo(a)anthracene	40.000	43.127	-7.8	83	0.00
82		3,3'-Dichlorobenzidine	40.000	43.634	-9.1	83	0.00
83		Chrysene	40.000	42.699	-6.7	82	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.896	-4.7	76	0.00
85	c	Di-n-octyl phthalate	40.000	42.989	-7.5	81	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.075	-7.7	88	0.00
88		Benzo(b)fluoranthene	40.000	41.888	-4.7	84	0.00
89		Benzo(k)fluoranthene	40.000	42.510	-6.3	88	0.00
90	C	Benzo(a)pyrene	40.000	42.632	-6.6	87	0.00
91		Dibenzo(a,h)anthracene	40.000	43.228	-8.1	89	-0.02
92		Benzo(g,h,i)perylene	40.000	42.724	-6.8	87	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 05:52:55 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

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: 10/31/2025 13:24

Lab File ID: BG064654.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
Pyridine	1.584	1.572		-0.8	
2-Fluorophenol	1.192	1.264		6.0	
Phenol-d6	1.635	1.731		5.9	
1,4-Dichlorobenzene	1.460	1.553		6.4	20.0
2-Methylphenol	1.201	1.282		6.7	
3+4-Methylphenols	1.688	1.788		5.9	
Nitrobenzene-d5	0.333	0.422		26.7	
Hexachloroethane	0.512	0.562		9.8	
Nitrobenzene	0.362	0.439		21.3	
Hexachlorobutadiene	0.284	0.312		9.9	20.0
2,4,6-Trichlorophenol	0.384	0.465		21.1	20.0
2-Fluorobiphenyl	1.319	1.388		5.2	
2,4,5-Trichlorophenol	0.443	0.516		16.5	
2,4-Dinitrotoluene	0.340	0.487		43.2	
2,4,6-Tribromophenol	0.289	0.369		27.7	
Hexachlorobenzene	0.270	0.296		9.6	
Pentachlorophenol	0.169	0.202		19.5	20.0
Terphenyl-d14	1.060	1.084		2.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.216	152	29760	20.000	ng		0.00
21) Naphthalene-d8	11.042	136	121809	20.000	ng		0.00
39) Acenaphthene-d10	14.838	164	99146	20.000	ng		0.00
64) Phenanthrene-d10	17.576	188	255812	20.000	ng		0.00
76) Chrysene-d12	21.853	240	303338	20.000	ng		0.00
86) Perylene-d12	25.196	264	334065	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.749	112	150501	84.884	ng		0.00
7) Phenol-d6	7.353	99	206000	84.671	ng		0.00
23) Nitrobenzene-d5	9.380	82	205739	101.448	ng		0.00
42) 2,4,6-Tribromophenol	16.319	330	146464	102.353	ng		0.00
45) 2-Fluorobiphenyl	13.469	172	550409	84.147	ng		0.00
79) Terphenyl-d14	20.167	244	1315419	81.837	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.586	88	32251	41.086	ng		95
3) Pyridine	3.998	79	93547	39.685	ng		98
4) n-Nitrosodimethylamine	3.904	42	51503	40.742	ng		95
6) Aniline	7.529	93	136762	41.310	ng		99
8) 2-Chlorophenol	7.776	128	84243	45.394	ng		98
9) Benzaldehyde	7.341	77	59732	44.971	ng		96
10) Phenol	7.382	94	112447	41.792	ng		97
11) bis(2-Chloroethyl)ether	7.623	93	80745	40.817	ng		95
12) 1,3-Dichlorobenzene	8.111	146	91656	42.911	ng		97
13) 1,4-Dichlorobenzene	8.257	146	92453	42.569	ng		95
14) 1,2-Dichlorobenzene	8.581	146	89742	42.840	ng		98
15) Benzyl Alcohol	8.445	79	87326	43.527	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.739	45	207478	39.984	ng		98
17) 2-Methylphenol	8.645	107	76321	42.723	ng		98
18) Hexachloroethane	9.321	117	33456	43.896	ng		92
19) n-Nitroso-di-n-propyla...	9.021	70	70193	41.746	ng		99
20) 3+4-Methylphenols	8.974	107	106425	42.362	ng		96
22) Acetophenone	9.039	105	140475	42.188	ng		95
24) Nitrobenzene	9.427	77	106834	48.433	ng		97
25) Isophorone	9.950	82	207109	42.559	ng		99
26) 2-Nitrophenol	10.143	139	43580	50.996	ng		91
27) 2,4-Dimethylphenol	10.190	122	77929	43.051	ng		98
28) bis(2-Chloroethoxy)met...	10.431	93	116027	41.876	ng		98
29) 2,4-Dichlorophenol	10.678	162	89869	46.132	ng		96
30) 1,2,4-Trichlorobenzene	10.901	180	95331	43.070	ng		99
31) Naphthalene	11.095	128	282988	41.902	ng		98
32) Benzoic acid	10.296	122	59106	43.506	ng		94
33) 4-Chloroaniline	11.189	127	110439	42.073	ng		96
34) Hexachlorobutadiene	11.383	225	75914	43.856	ng		98
35) Caprolactam	11.947	113	32886	44.014	ng	#	93
36) 4-Chloro-3-methylphenol	12.288	107	104310	44.546	ng		99
37) 2-Methylnaphthalene	12.688	142	211429	42.641	ng		97
38) 1-Methylnaphthalene	12.905	142	206713	42.113	ng		99
40) 1,2,4,5-Tetrachloroben...	13.046	216	142351	42.781	ng		99
41) Hexachlorocyclopentadiene	13.034	237	72118	48.153	ng		94
43) 2,4,6-Trichlorophenol	13.275	196	92265	48.476	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

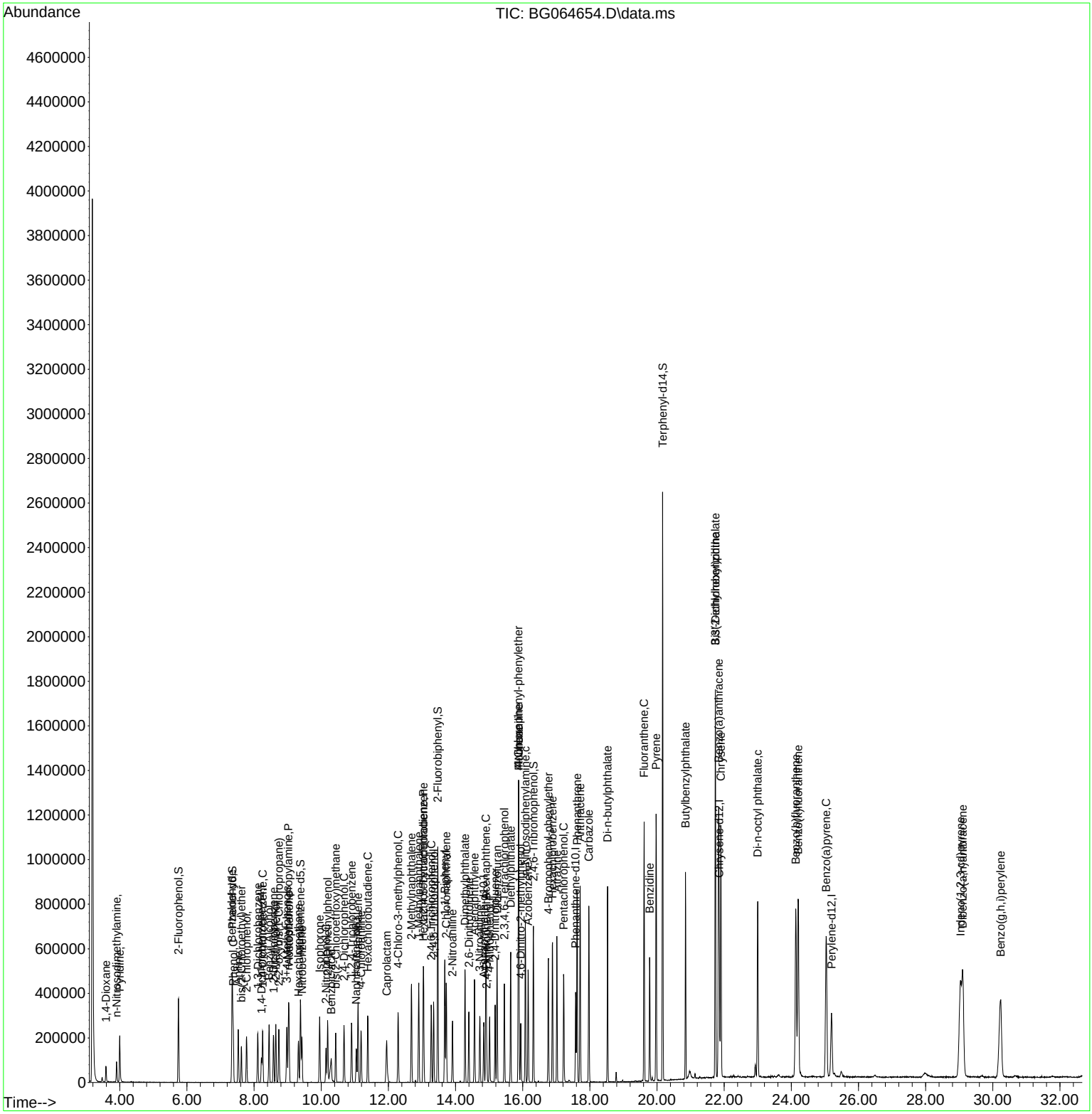
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102397	46.620	ng		97
46) 1,1'-Biphenyl	13.681	154	292218	41.458	ng		95
47) 2-Chloronaphthalene	13.722	162	221744	41.677	ng		100
48) 2-Nitroaniline	13.910	65	83630	46.901	ng		93
49) Acenaphthylene	14.562	152	350872	41.810	ng		98
50) Dimethylphthalate	14.280	163	328584	43.311	ng		99
51) 2,6-Dinitrotoluene	14.397	165	59510	47.570	ng		98
52) Acenaphthene	14.903	154	248302	43.306	ng		98
53) 3-Nitroaniline	14.720	138	70138	53.795	ng		96
54) 2,4-Dinitrophenol	14.926	184	40959	55.180	ng	#	53
55) Dibenzofuran	15.238	168	388830	41.947	ng		98
56) 4-Nitrophenol	15.014	139	62759	51.918	ng		95
57) 2,4-Dinitrotoluene	15.179	165	96588	49.783	ng	#	97
58) Fluorene	15.884	166	310016	42.824	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	104637	49.820	ng		99
60) Diethylphthalate	15.643	149	330924	42.720	ng		100
61) 4-Chlorophenyl-phenyle...	15.872	204	176129	43.354	ng		98
62) 4-Nitroaniline	15.884	138	78755	54.295	ng		96
63) Azobenzene	16.160	77	295018	41.508	ng		98
65) 4,6-Dinitro-2-methylph...	15.943	198	61671	54.019	ng		97
66) n-Nitrosodiphenylamine	16.078	169	283639	41.047	ng		99
67) 4-Bromophenyl-phenylether	16.765	248	131799	43.477	ng		94
68) Hexachlorobenzene	16.889	284	151216	43.724	ng		96
69) Atrazine	17.018	200	124468	41.856	ng		96
70) Pentachlorophenol	17.218	266	103163	47.836	ng		93
71) Phenanthrene	17.617	178	587037	41.963	ng		99
72) Anthracene	17.711	178	589385	41.417	ng		99
73) Carbazole	17.970	167	528932	42.151	ng		100
74) Di-n-butylphthalate	18.528	149	610367	42.063	ng		99
75) Fluoranthene	19.615	202	756083	43.143	ng		99
77) Benzidine	19.779	184	330565	48.641	ng		99
78) Pyrene	19.973	202	792145	39.970	ng		100
80) Butylbenzylphthalate	20.849	149	274852	45.886	ng		96
81) Benzo(a)anthracene	21.836	228	853793	42.450	ng		99
82) 3,3'-Dichlorobenzidine	21.736	252	302039	44.970	ng		99
83) Chrysene	21.900	228	803594	41.990	ng		98
84) Bis(2-ethylhexyl)phtha...	21.736	149	399327	44.616	ng		97
85) Di-n-octyl phthalate	22.999	149	692038	45.860	ng		98
87) Indeno(1,2,3-cd)pyrene	29.039	276	1028556	41.854	ng		98
88) Benzo(b)fluoranthene	24.133	252	860704	42.017	ng		98
89) Benzo(k)fluoranthene	24.203	252	858121	41.862	ng		97
90) Benzo(a)pyrene	25.038	252	789156	41.910	ng		99
91) Dibenzo(a,h)anthracene	29.104	278	838779	42.012	ng		98
92) Benzo(g,h,i)perylene	30.232	276	797168	41.797	ng		96

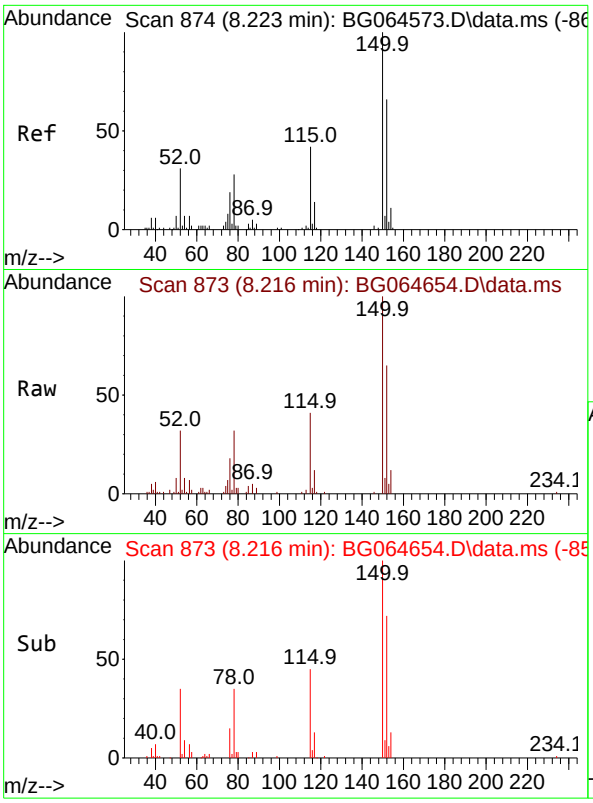
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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



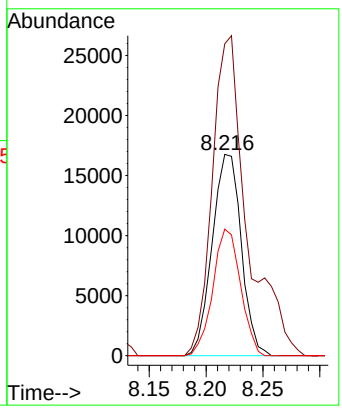


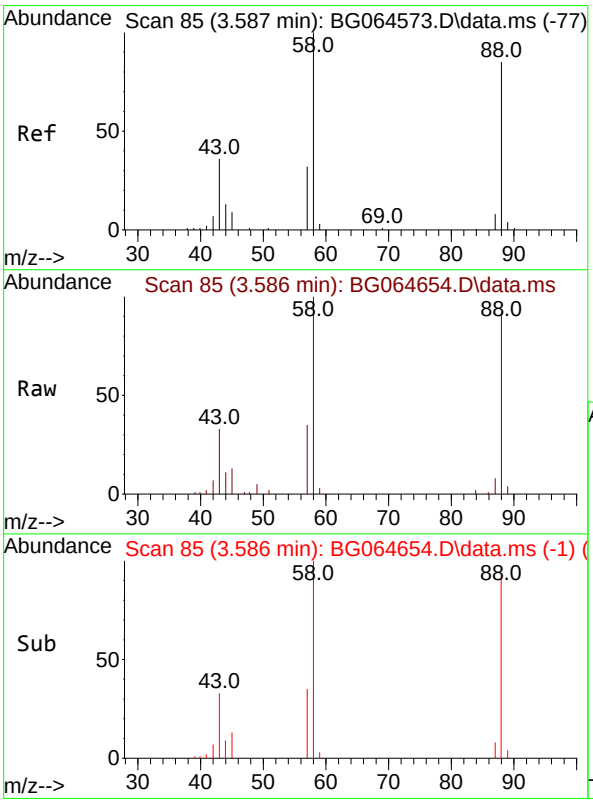
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 29760

Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.2	183.4
115	62.9	50.8	76.2

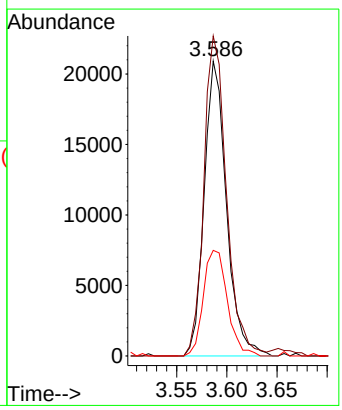


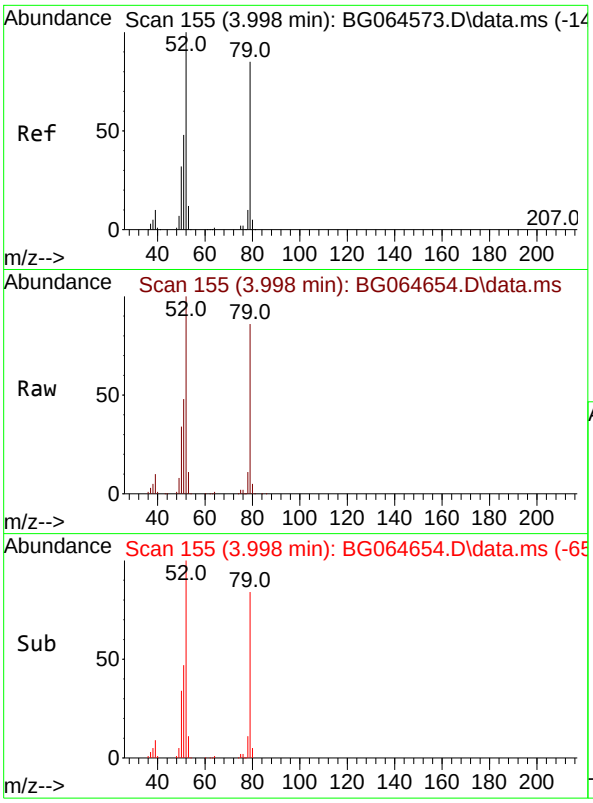


#2
1,4-Dioxane
Concen: 41.086 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 88 Resp: 32251

Ion	Ratio	Lower	Upper
88	100		
58	110.0	92.4	138.6
43	38.7	33.0	49.6



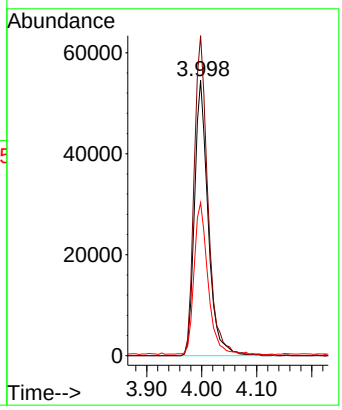


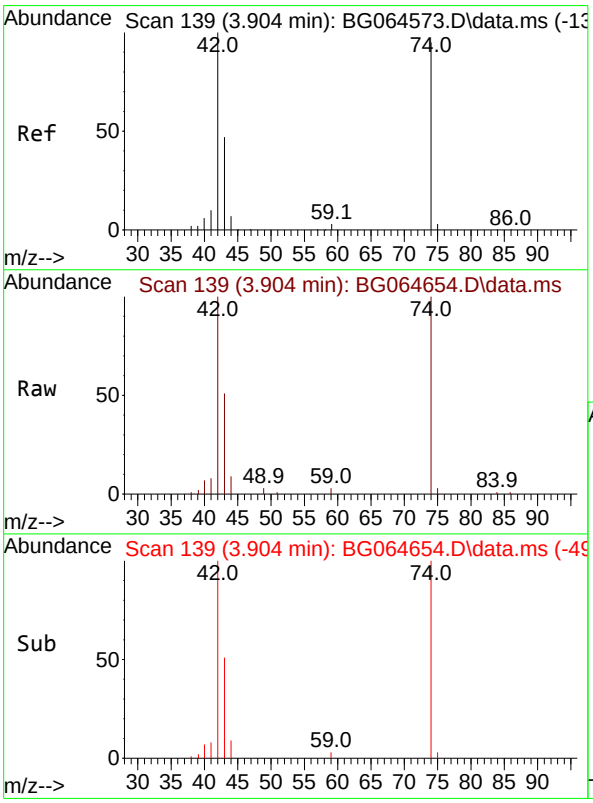
#3
Pyridine
Concen: 39.685 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 93547

Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	55.6	46.1	69.1

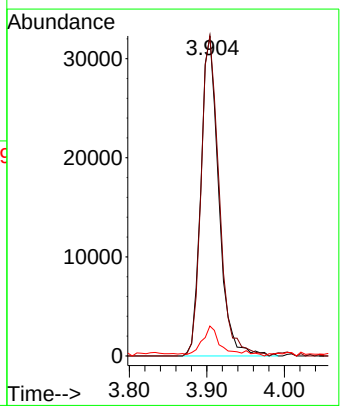


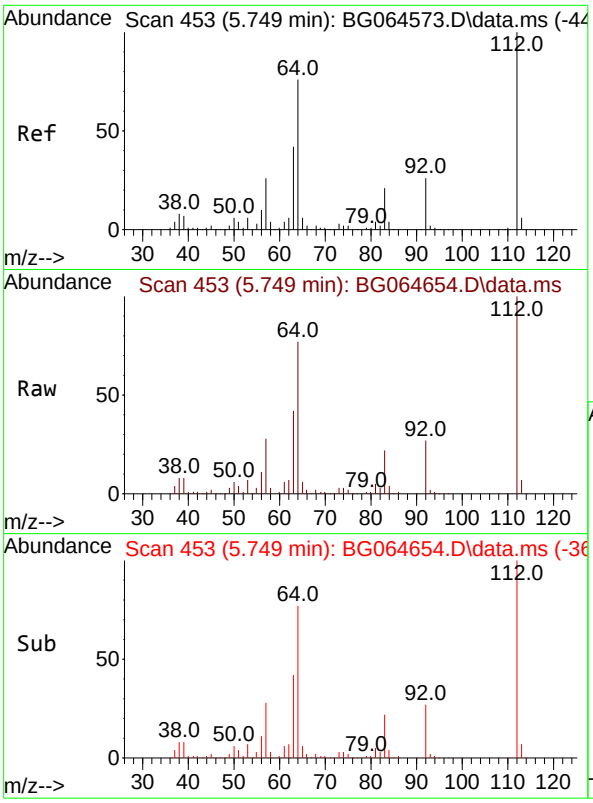


#4
n-Nitrosodimethylamine
Concen: 40.742 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 42 Resp: 51503

Ion	Ratio	Lower	Upper
42	100		
74	100.1	76.1	114.1
44	9.3	6.3	9.5



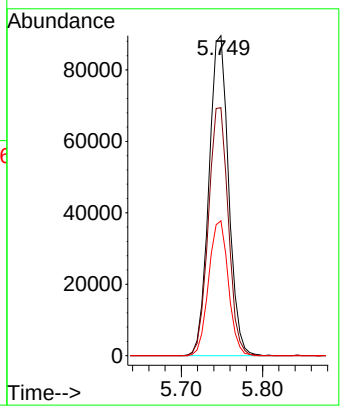


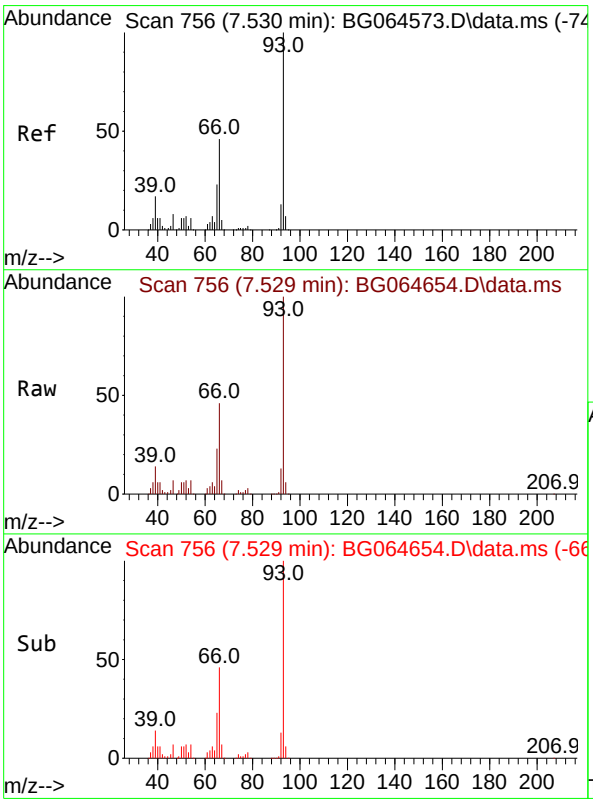
#5
2-Fluorophenol
Concen: 84.884 ng
RT: 5.749 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 150501

Ion	Ratio	Lower	Upper
112	100		
64	77.5	60.7	91.1
63	42.1	33.4	50.0

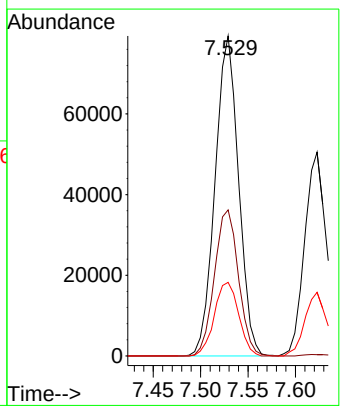


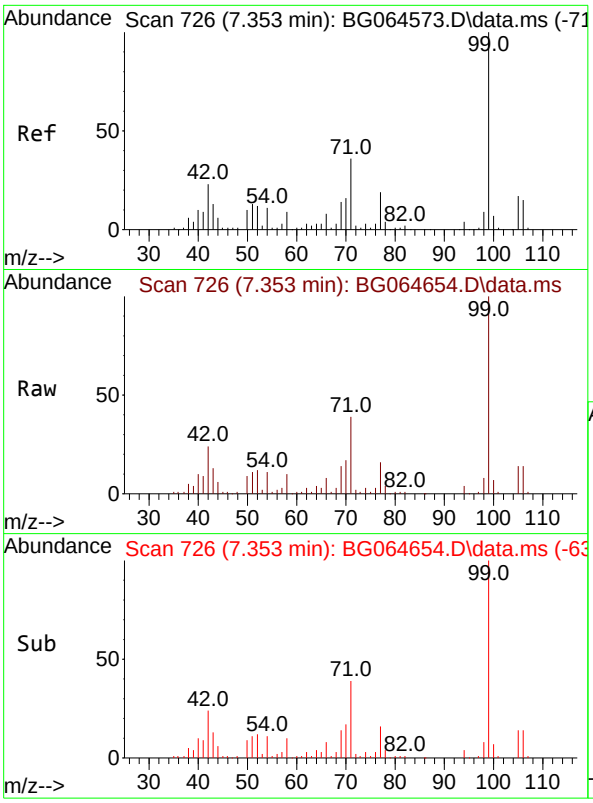


#6
Aniline
Concen: 41.310 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 93 Resp: 136762

Ion	Ratio	Lower	Upper
93	100		
66	45.7	37.0	55.6
65	23.0	18.3	27.5



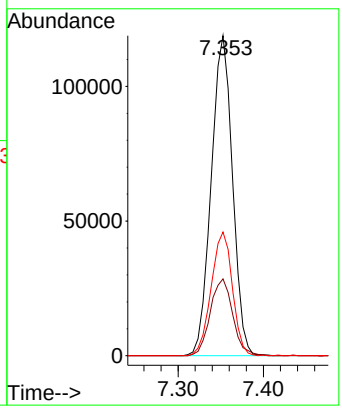


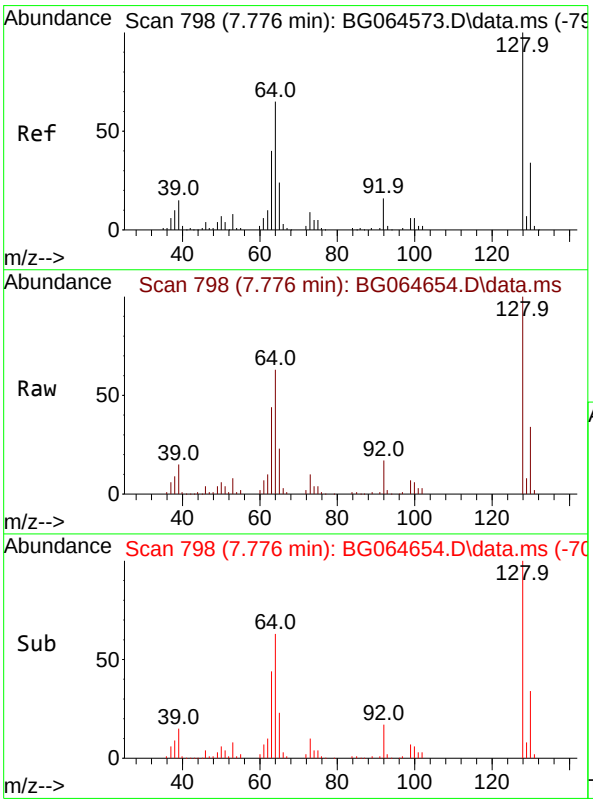
#7
Phenol-d6
Concen: 84.671 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 206000

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	38.7	28.6	43.0

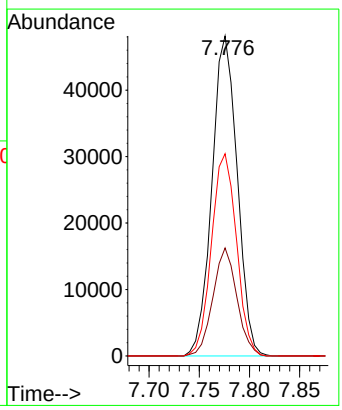


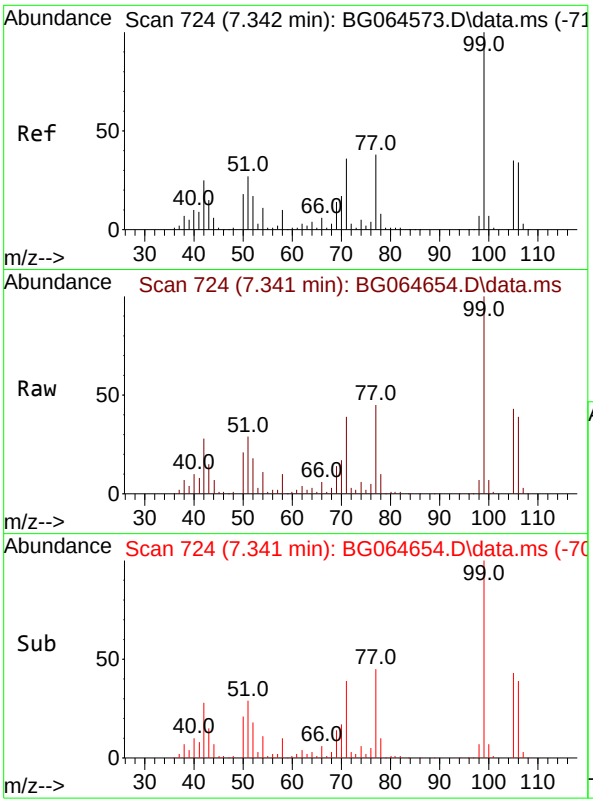


#8
2-Chlorophenol
Concen: 45.394 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:128 Resp: 84243

Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.5	53.5
64	63.2	45.2	85.2



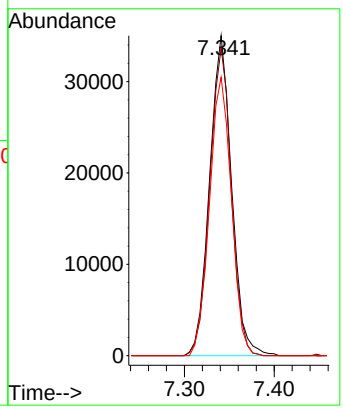


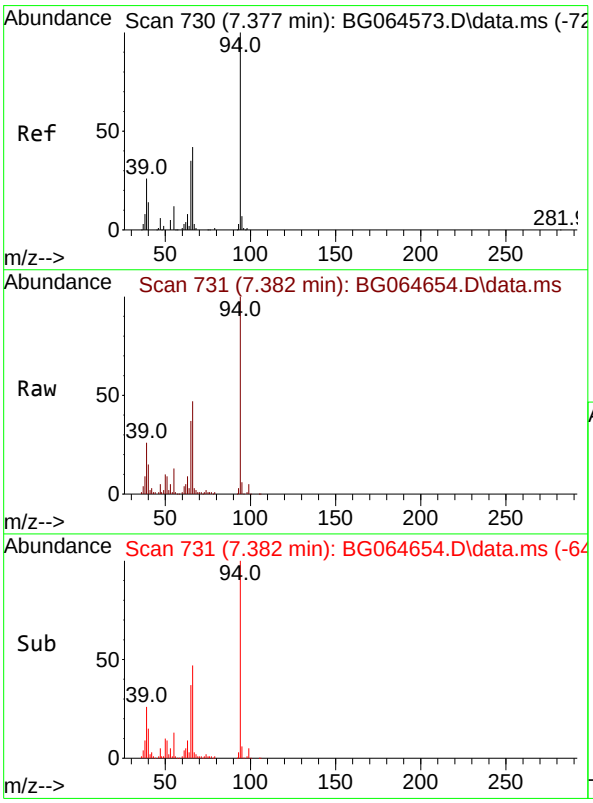
#9
Benzaldehyde
Concen: 44.971 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 59732

Ion	Ratio	Lower	Upper
77	100		
105	96.1	72.9	112.9
106	87.0	70.8	110.8

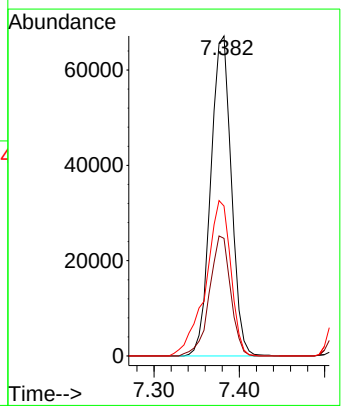


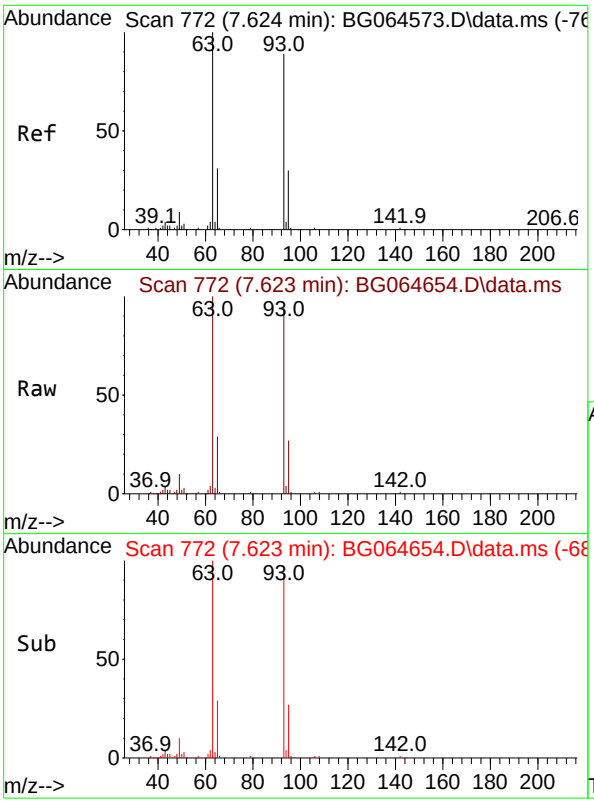


#10
Phenol
Concen: 41.792 ng
RT: 7.382 min Scan# 731
Delta R.T. 0.005 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 94 Resp: 112447

Ion	Ratio	Lower	Upper
94	100		
65	36.7	15.8	55.8
66	46.9	24.0	64.0



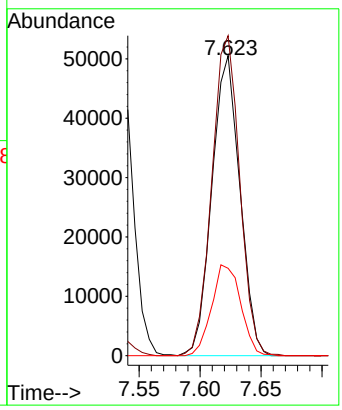


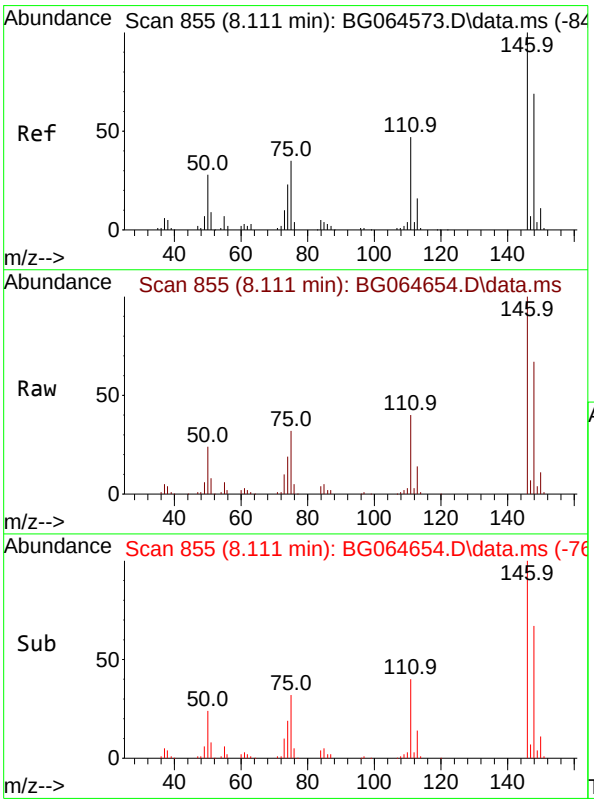
#11
bis(2-Chloroethyl)ether
Concen: 40.817 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 80745

Ion	Ratio	Lower	Upper
93	100		
63	106.7	91.3	131.3
95	29.1	13.3	53.3

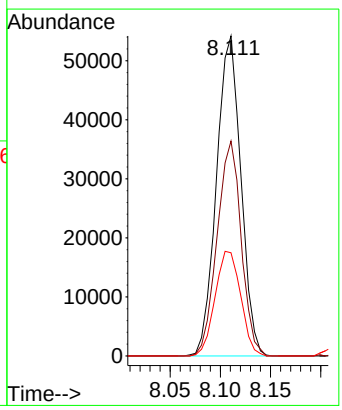


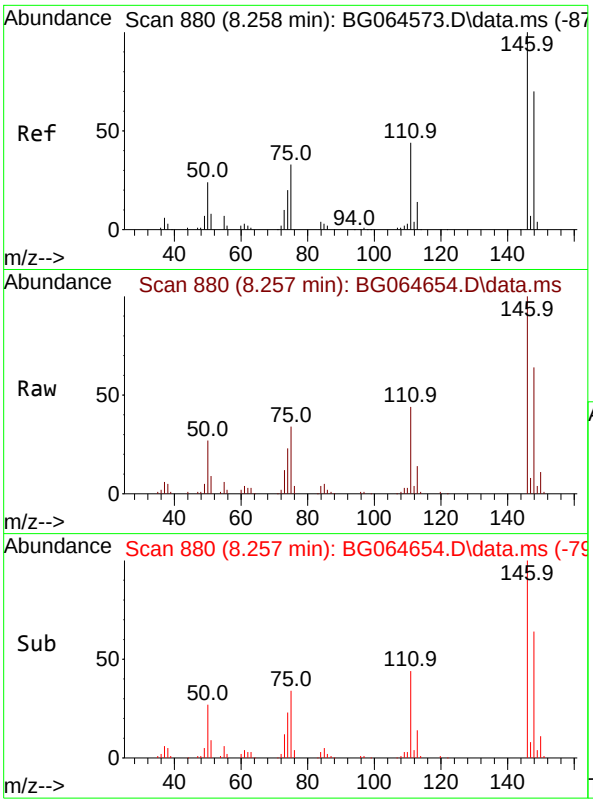


#12
1,3-Dichlorobenzene
Concen: 42.911 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:146 Resp: 91656

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	32.3	28.2	42.2



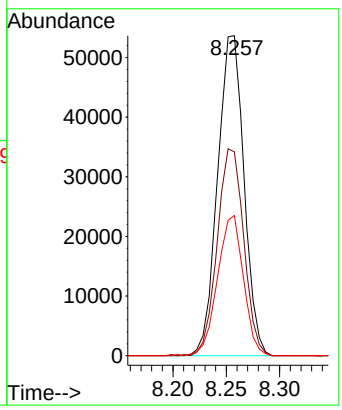


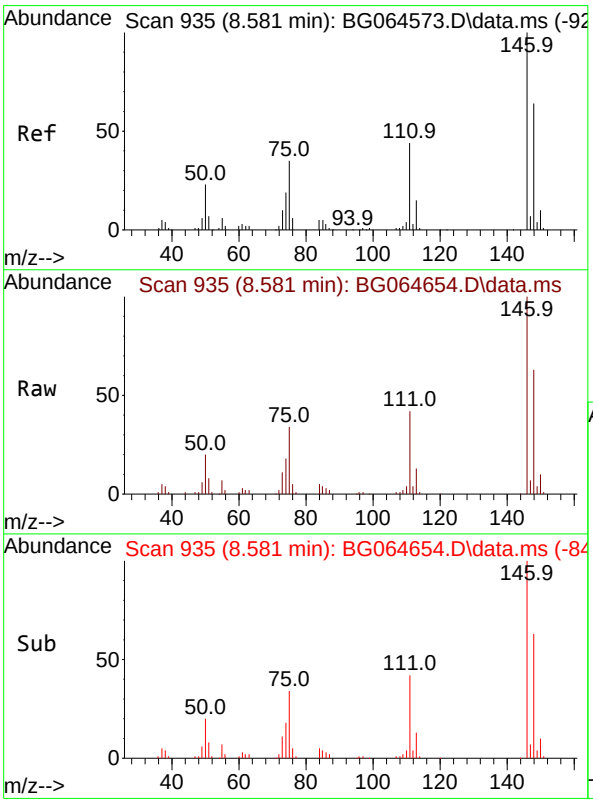
#13
1,4-Dichlorobenzene
Concen: 42.569 ng
RT: 8.257 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 92453

Ion	Ratio	Lower	Upper
146	100		
148	63.7	56.2	84.4
111	43.8	35.4	53.0

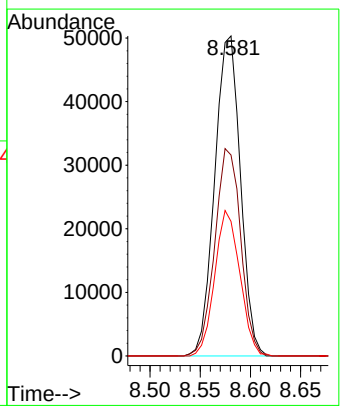


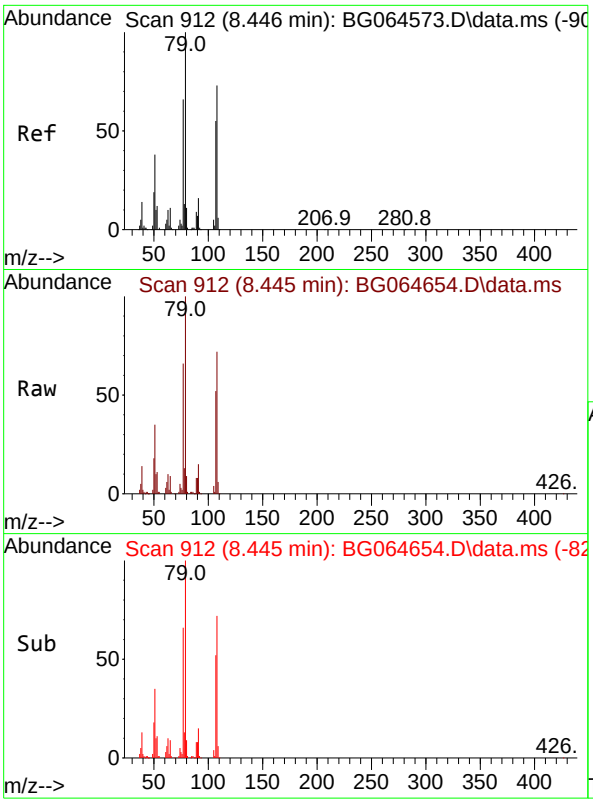


#14
1,2-Dichlorobenzene
Concen: 42.840 ng
RT: 8.581 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:146 Resp: 89742

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.5	77.3
111	42.0	35.0	52.6



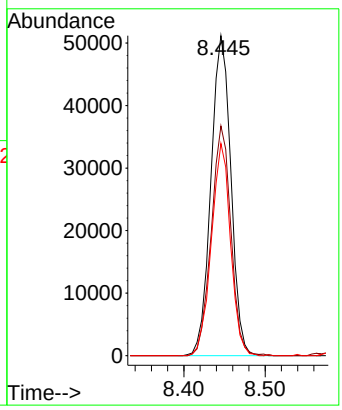


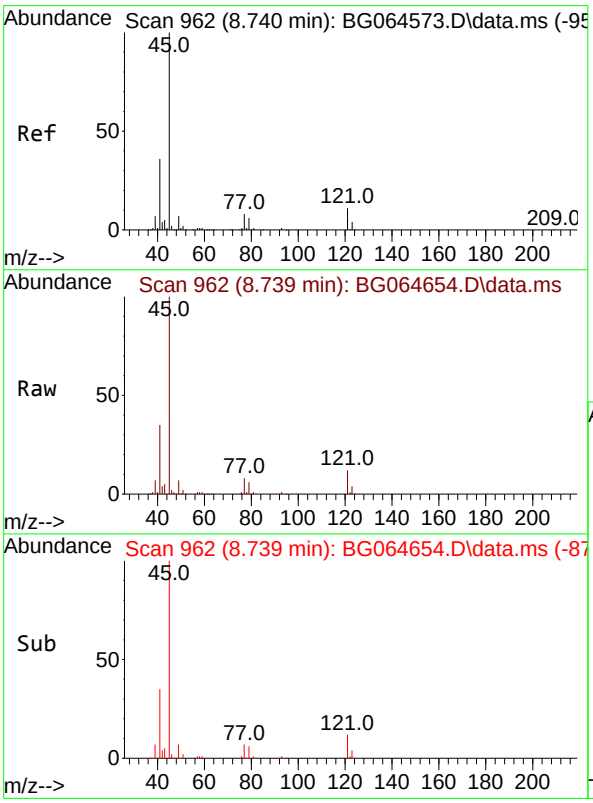
#15
Benzyl Alcohol
Concen: 43.527 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 87326

Ion	Ratio	Lower	Upper
79	100		
108	71.8	58.1	87.1
77	66.3	52.8	79.2

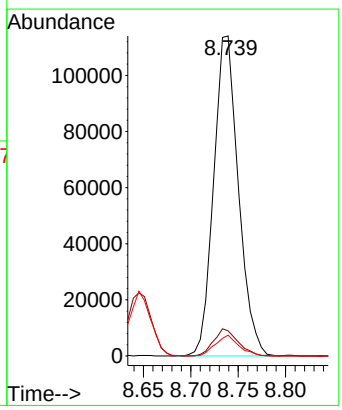


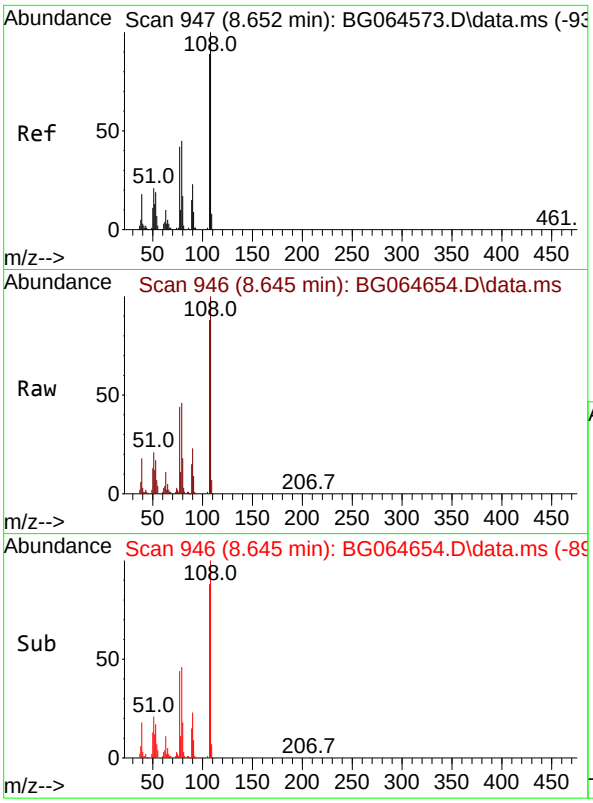


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.984 ng
RT: 8.739 min Scan# 962
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 45 Resp: 207478

Ion	Ratio	Lower	Upper
45	100		
77	7.9	0.0	28.5
79	6.5	0.0	25.6



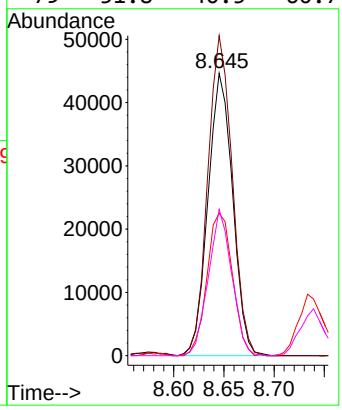


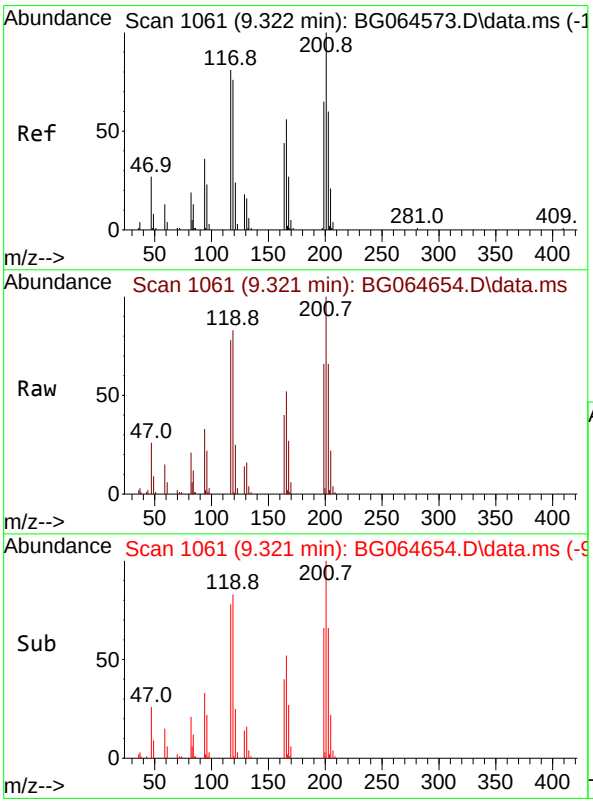
#17
2-Methylphenol
Concen: 42.723 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 76321

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.0	135.0
77	50.4	37.8	56.8
79	51.8	40.5	60.7

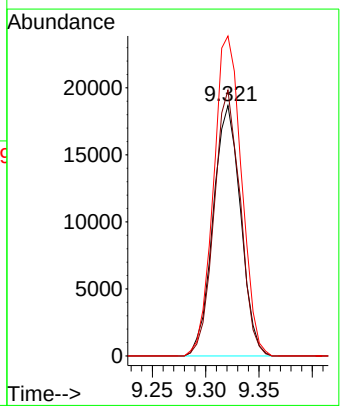


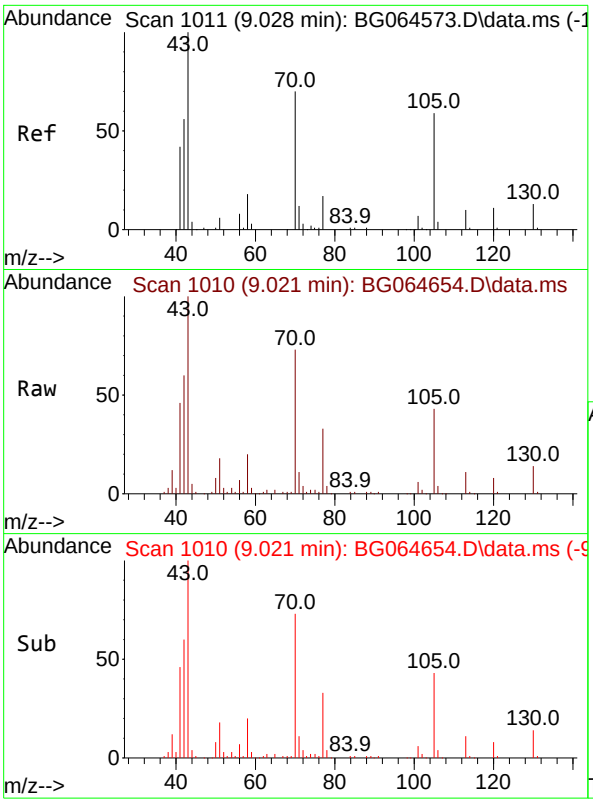


#18
Hexachloroethane
Concen: 43.896 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:117 Resp: 33456

Ion	Ratio	Lower	Upper
117	100		
119	107.2	75.4	113.2
201	127.8	99.2	148.8



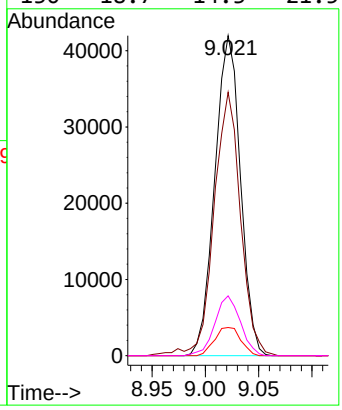


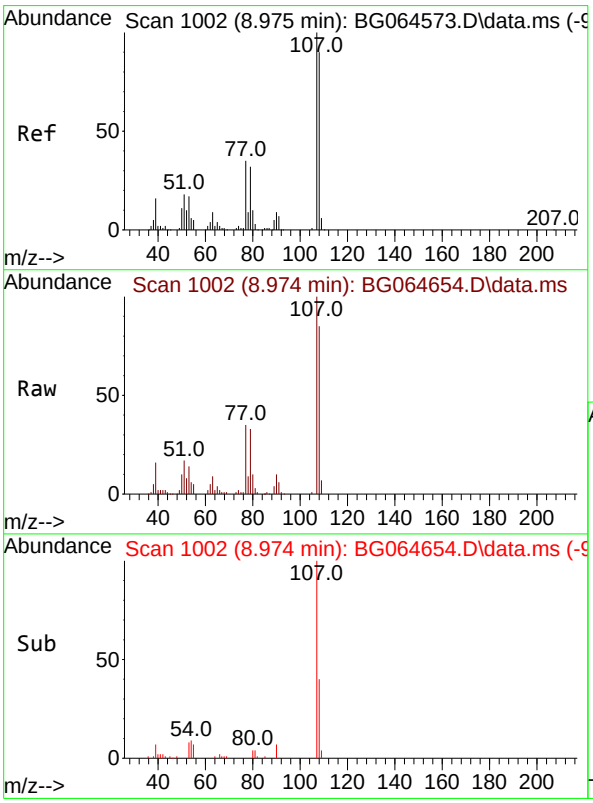
#19
n-Nitroso-di-n-propylamine
Concen: 41.746 ng
RT: 9.021 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 70193

Ion	Ratio	Lower	Upper
70	100		
42	82.3	65.2	97.8
101	8.8	7.9	11.9
130	18.7	14.3	21.5

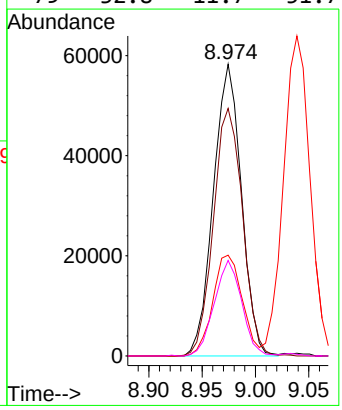


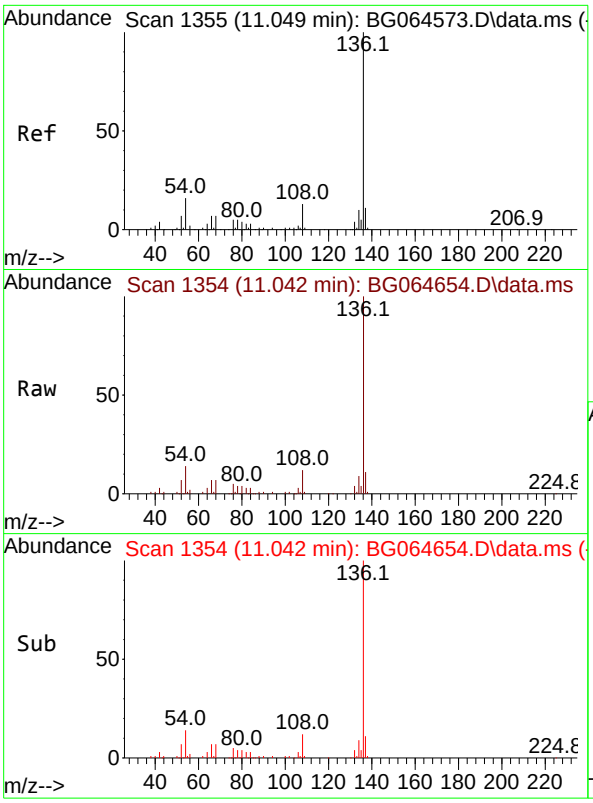


#20
3+4-Methylphenols
Concen: 42.362 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:107 Resp: 106425

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.3	110.3
77	34.6	14.6	54.6
79	32.8	11.7	51.7



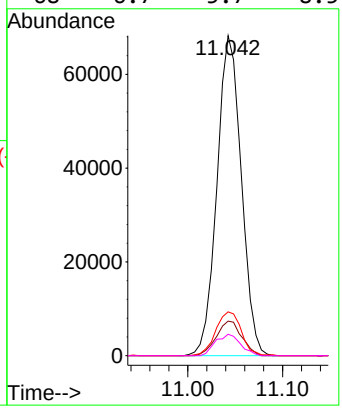


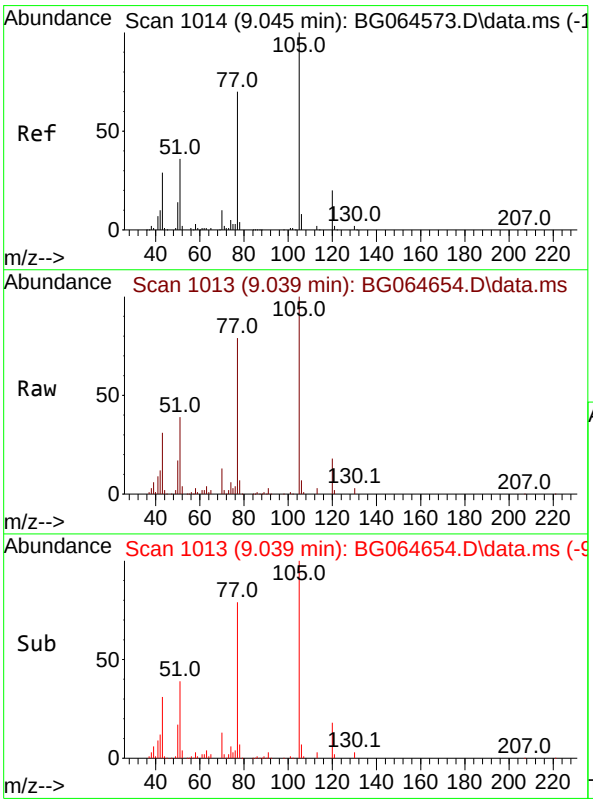
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 121809

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	13.7	12.6	19.0
68	6.7	5.7	8.5

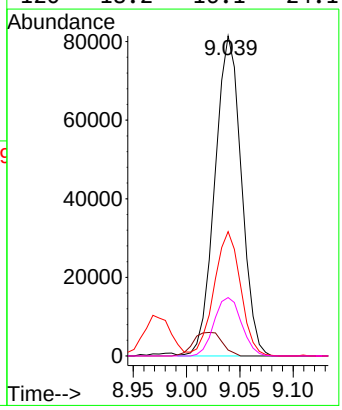


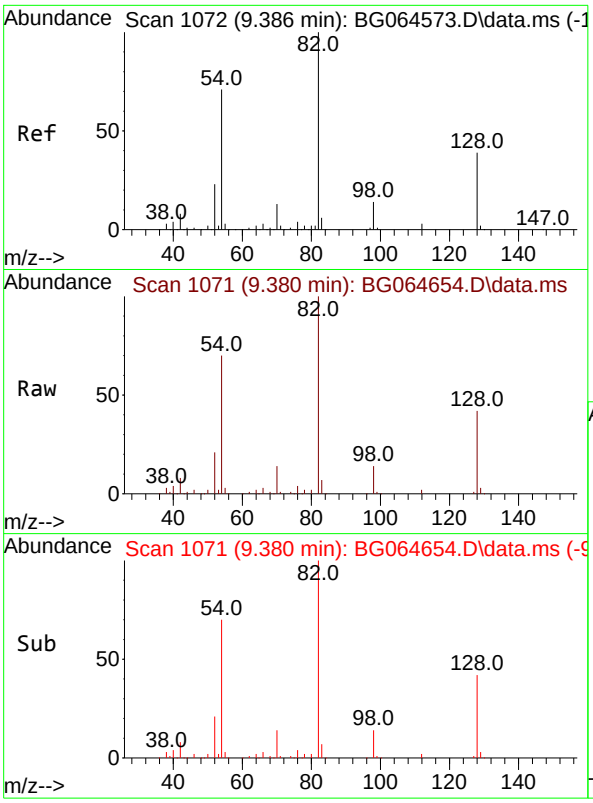


#22
Acetophenone
Concen: 42.188 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:105 Resp: 140475

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	38.9	33.7	50.5
120	18.2	16.1	24.1



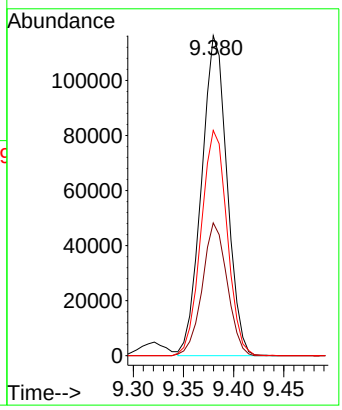


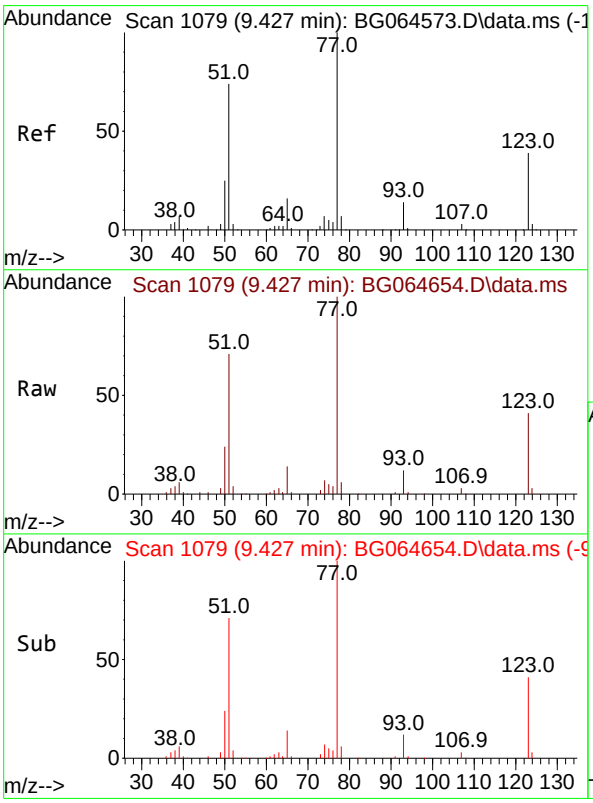
#23
Nitrobenzene-d5
Concen: 101.448 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 205739

Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.3	46.9
54	70.4	56.6	84.8

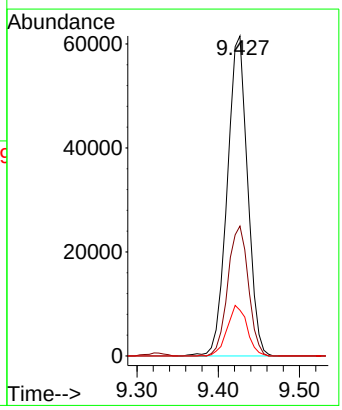


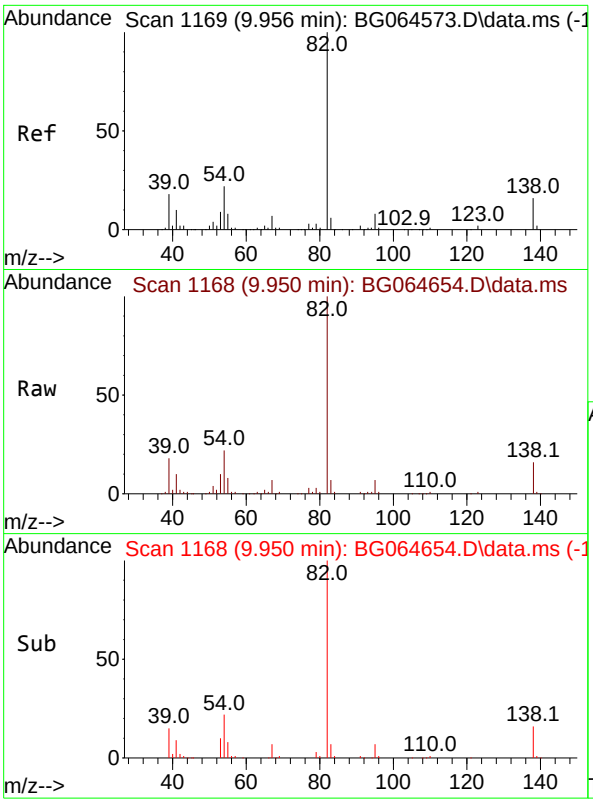


#24
Nitrobenzene
Concen: 48.433 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 77 Resp: 106834

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	14.3	12.7	19.1



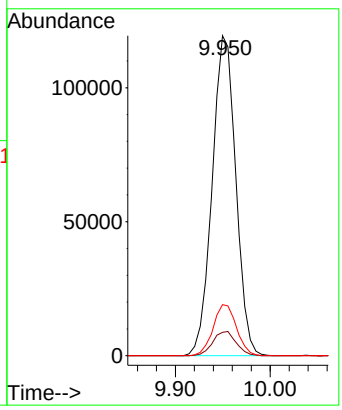


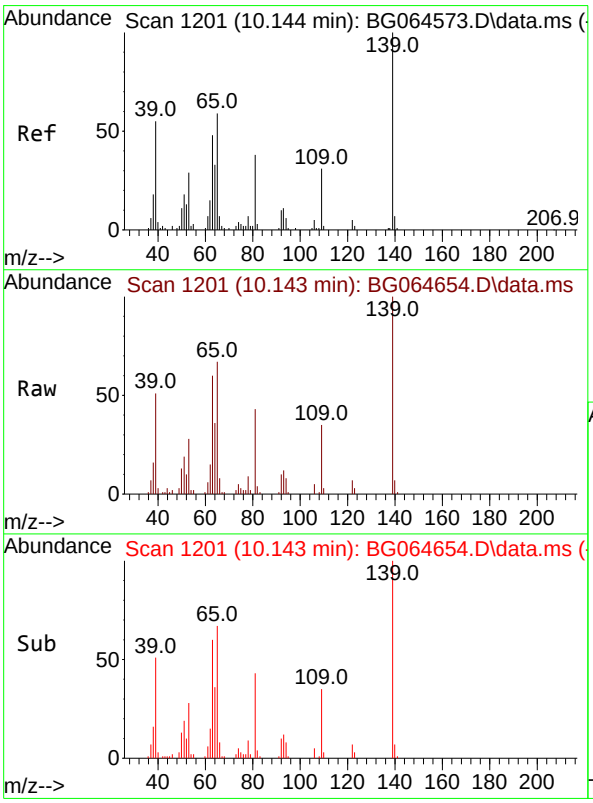
#25
Isophorone
Concen: 42.559 ng
RT: 9.950 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 207109

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.9	13.0	19.4

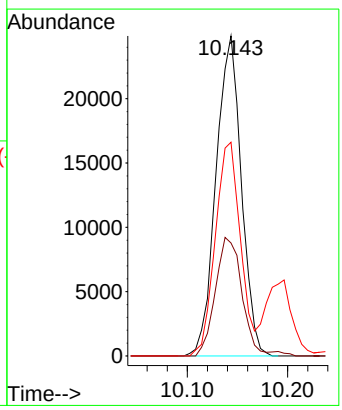


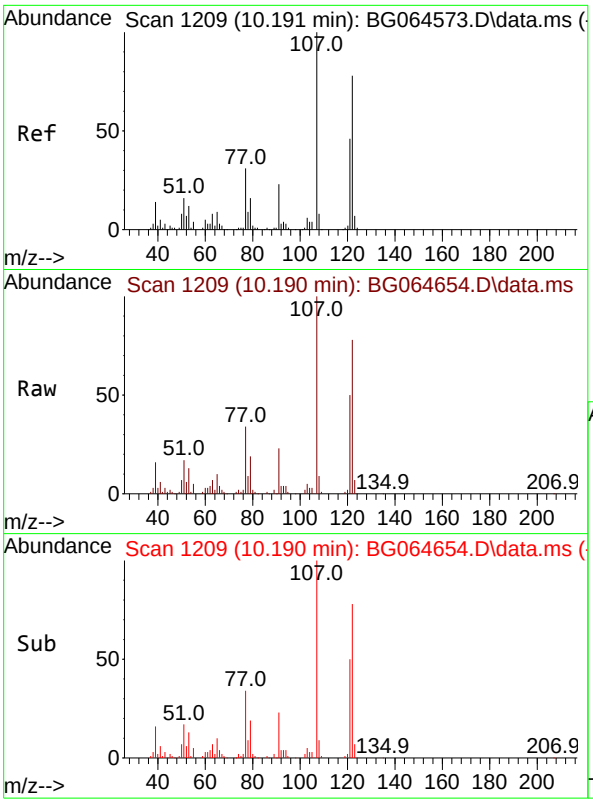


#26
2-Nitrophenol
Concen: 50.996 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:139 Resp: 43580

Ion	Ratio	Lower	Upper
139	100		
109	35.3	24.6	37.0
65	66.8	47.5	71.3



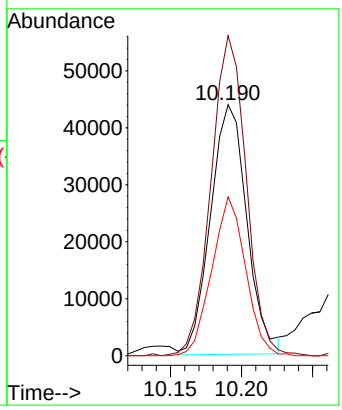


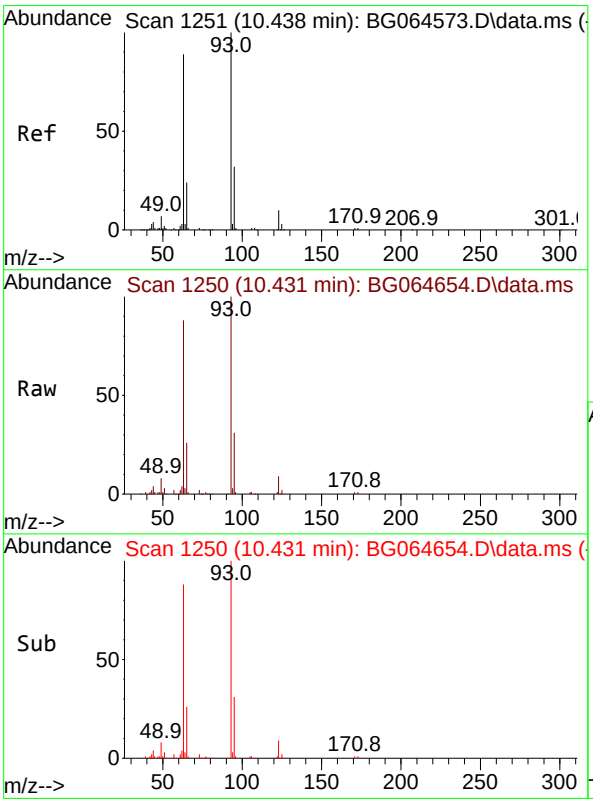
#27
2,4-Dimethylphenol
Concen: 43.051 ng
RT: 10.190 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 77929

Ion	Ratio	Lower	Upper
122	100		
107	127.5	103.0	154.4
121	63.3	47.8	71.8

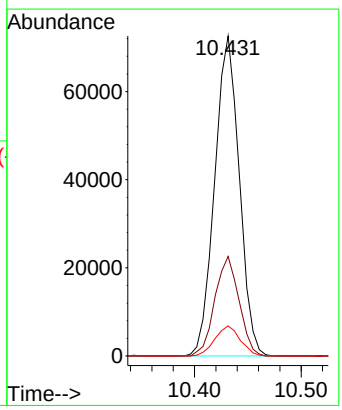


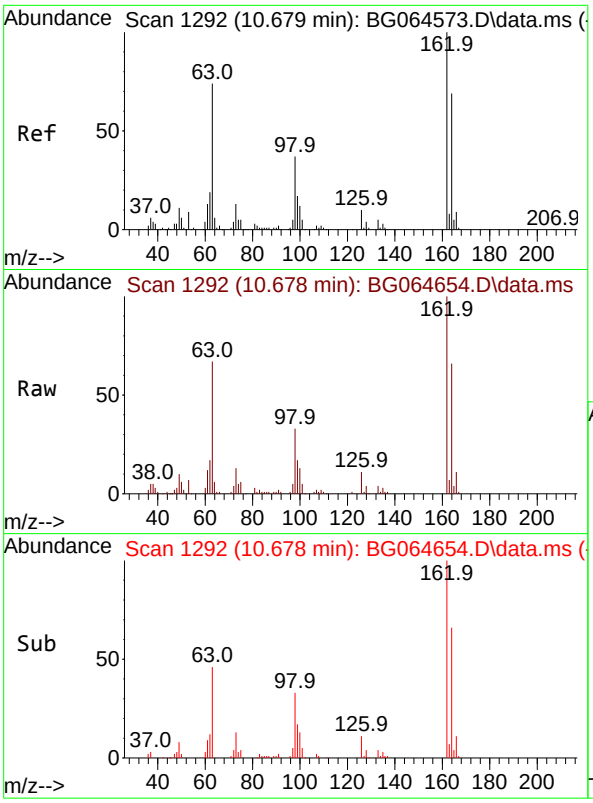


#28
bis(2-Chloroethoxy)methane
Concen: 41.876 ng
RT: 10.431 min Scan# 1250
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 93 Resp: 116027

Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.4	38.2
123	9.4	8.4	12.6



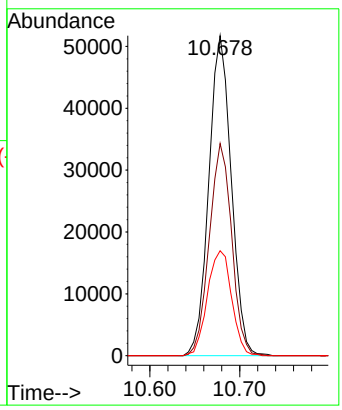


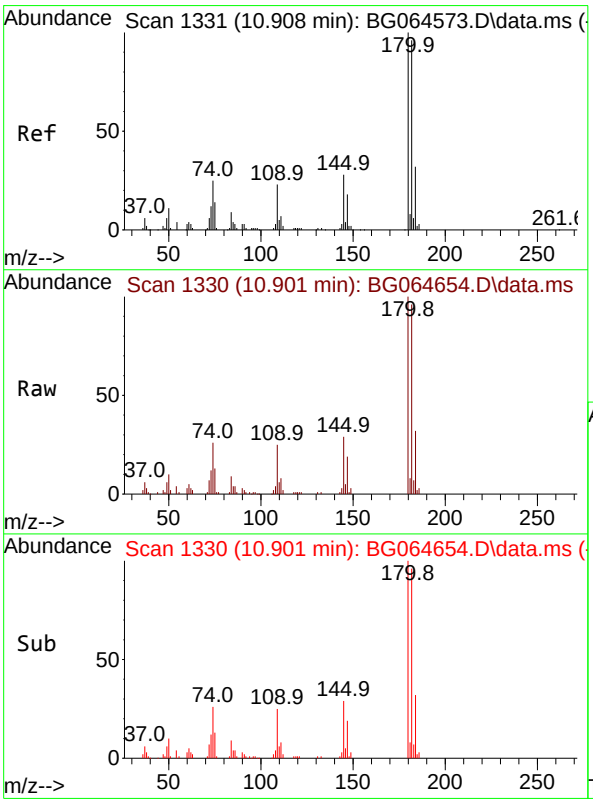
#29
2,4-Dichlorophenol
Concen: 46.132 ng
RT: 10.678 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 89869

Ion	Ratio	Lower	Upper
162	100		
164	66.3	48.7	88.7
98	32.8	16.9	56.9

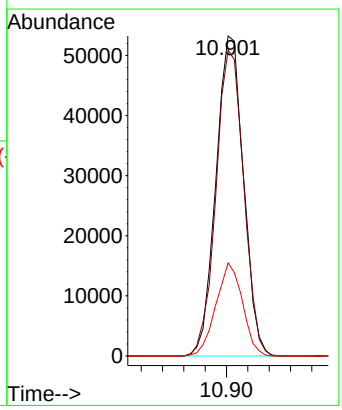


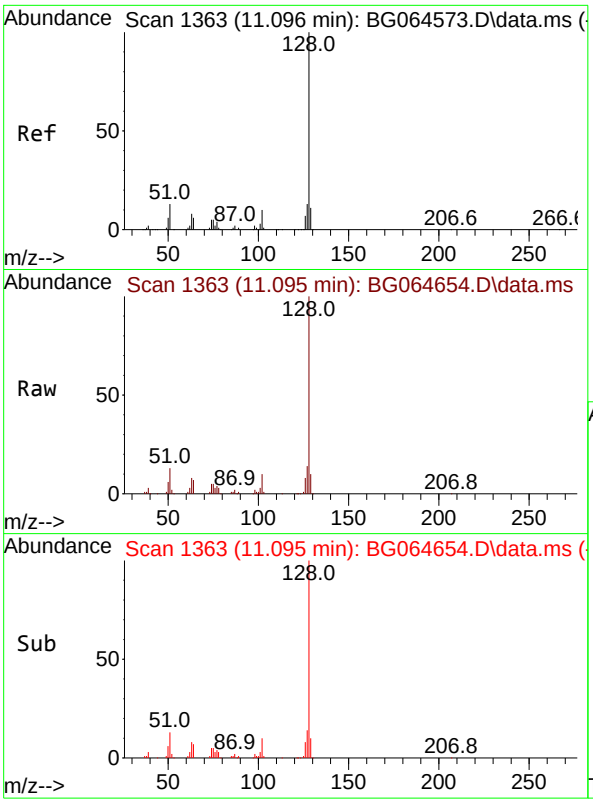


#30
1,2,4-Trichlorobenzene
Concen: 43.070 ng
RT: 10.901 min Scan# 1330
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:180 Resp: 95331

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
145	29.1	22.1	33.1



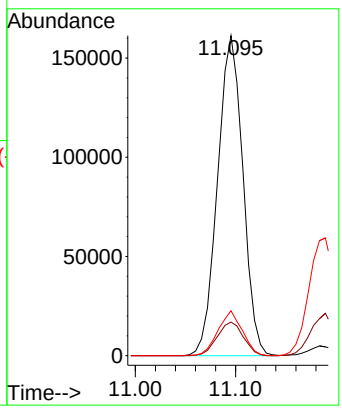


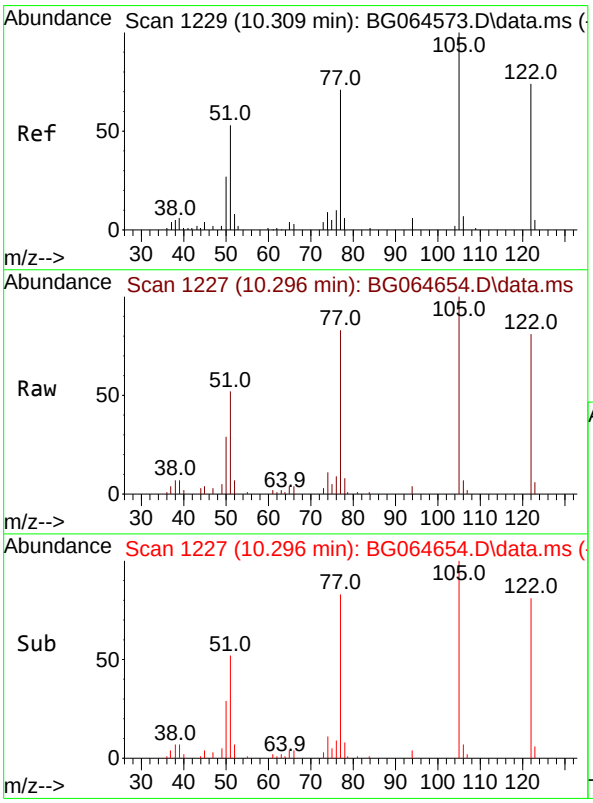
#31
Naphthalene
Concen: 41.902 ng
RT: 11.095 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 282988

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	14.0	10.6	15.8

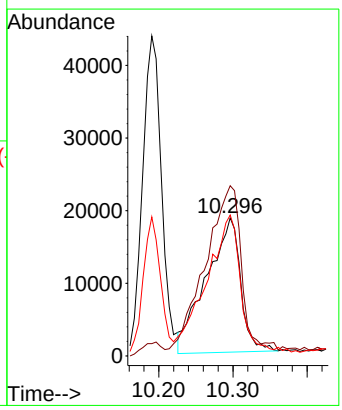


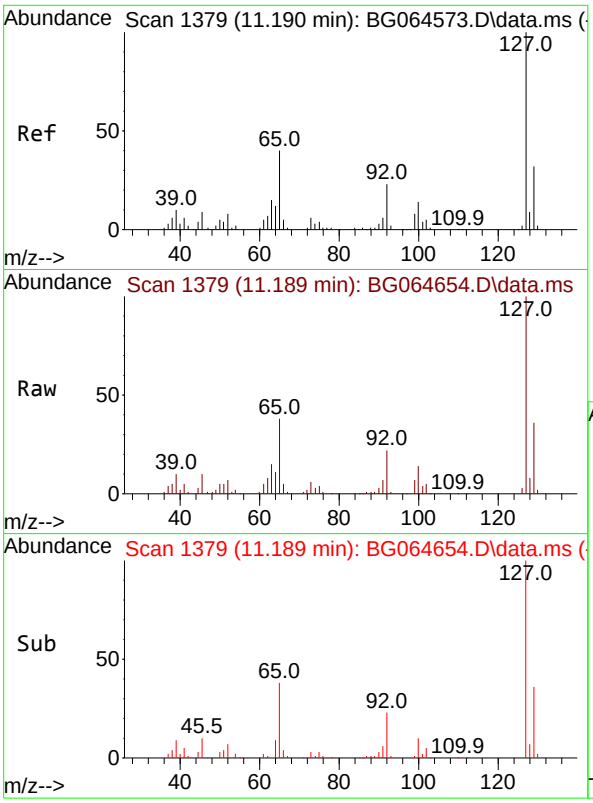


#32
Benzoic acid
Concen: 43.506 ng
RT: 10.296 min Scan# 1227
Delta R.T. -0.013 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:122 Resp: 59106

Ion	Ratio	Lower	Upper
122	100		
105	123.2	104.2	144.2
77	102.1	70.2	110.2



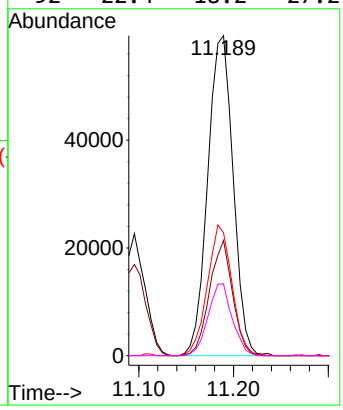


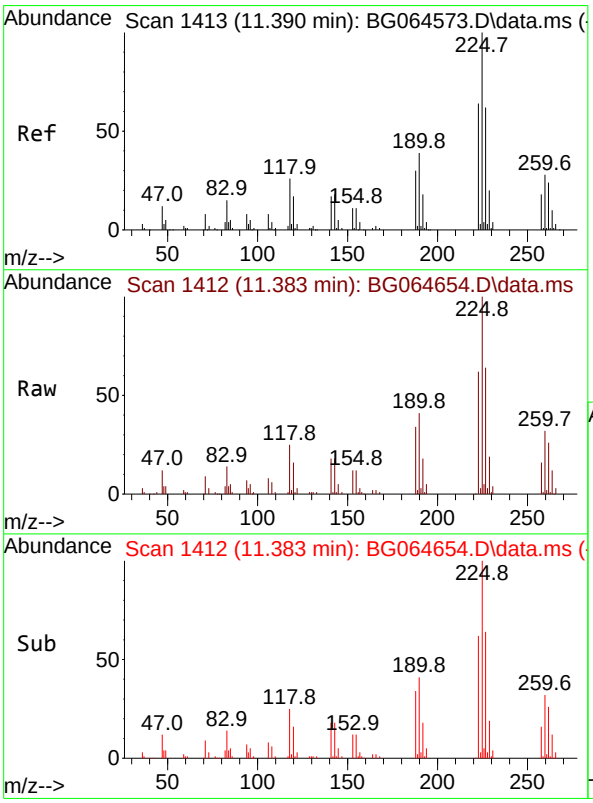
#33
4-Chloroaniline
Concen: 42.073 ng
RT: 11.189 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 110439

Ion	Ratio	Lower	Upper
127	100		
129	36.0	25.5	38.3
65	38.4	32.2	48.4
92	22.4	18.2	27.2

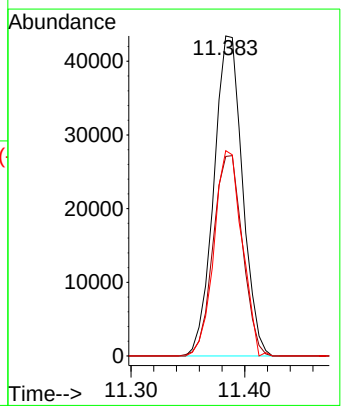


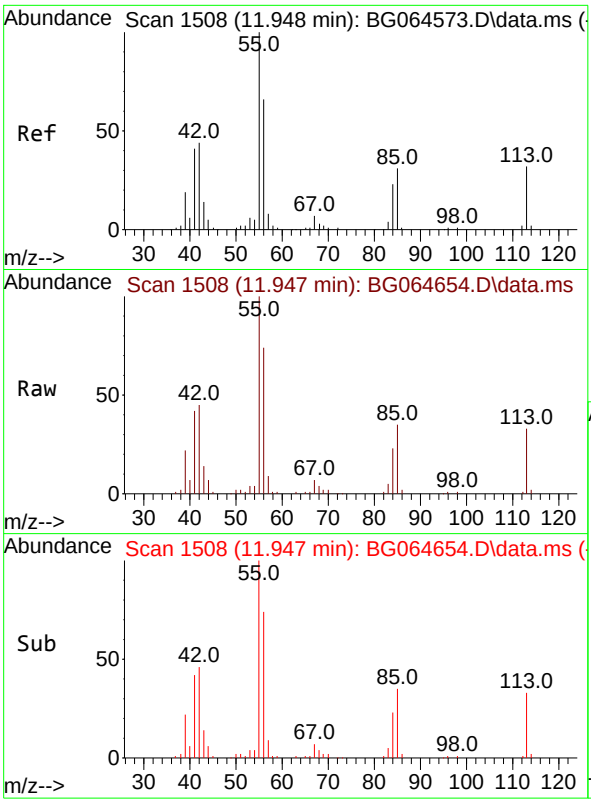


#34
Hexachlorobutadiene
Concen: 43.856 ng
RT: 11.383 min Scan# 1412
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:225 Resp: 75914

Ion	Ratio	Lower	Upper
225	100		
223	62.4	48.8	73.2
227	64.1	49.5	74.3



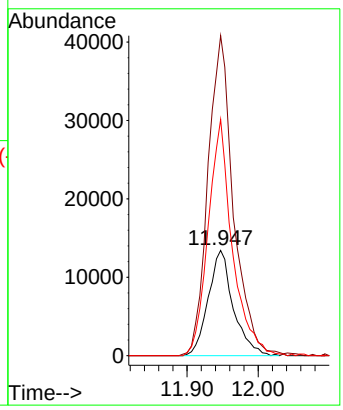


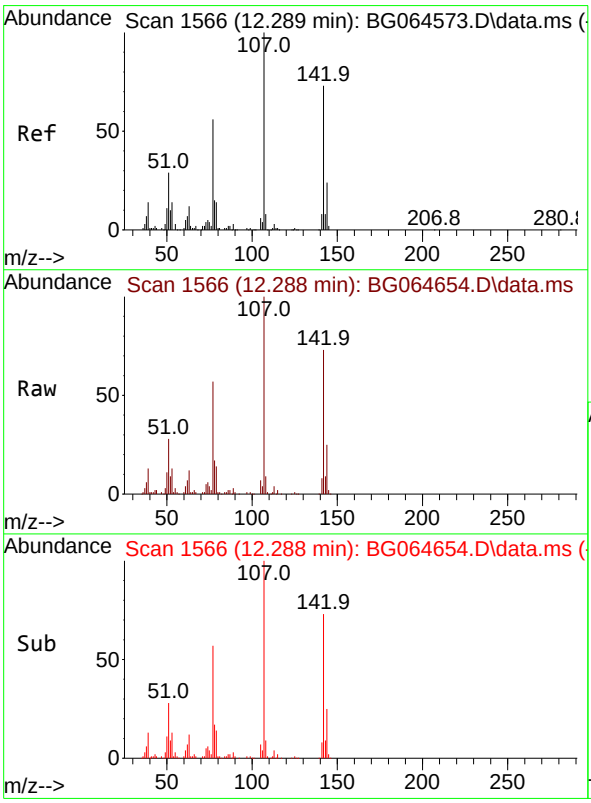
#35
Caprolactam
Concen: 44.014 ng
RT: 11.947 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 32886

Ion	Ratio	Lower	Upper
113	100		
55	303.8	290.1	330.1
56	224.4	183.8	223.8#

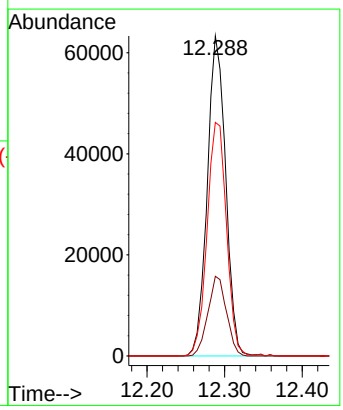


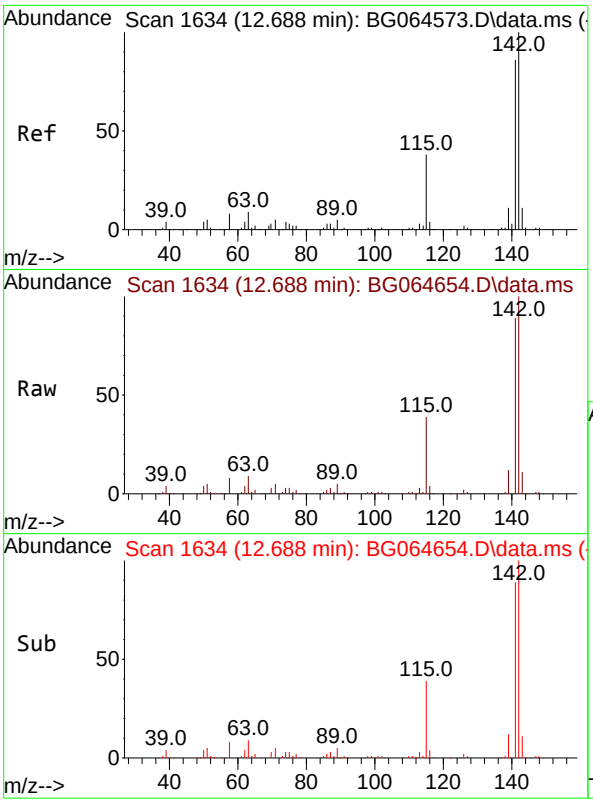


#36
4-Chloro-3-methylphenol
Concen: 44.546 ng
RT: 12.288 min Scan# 1566
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:107 Resp: 104310

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.1	28.7
142	73.0	58.6	87.8



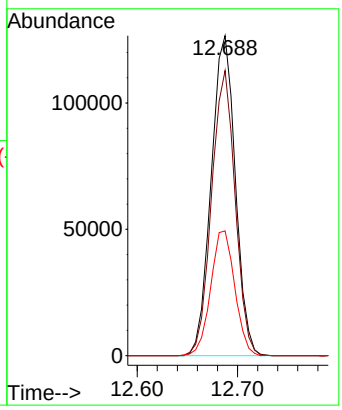


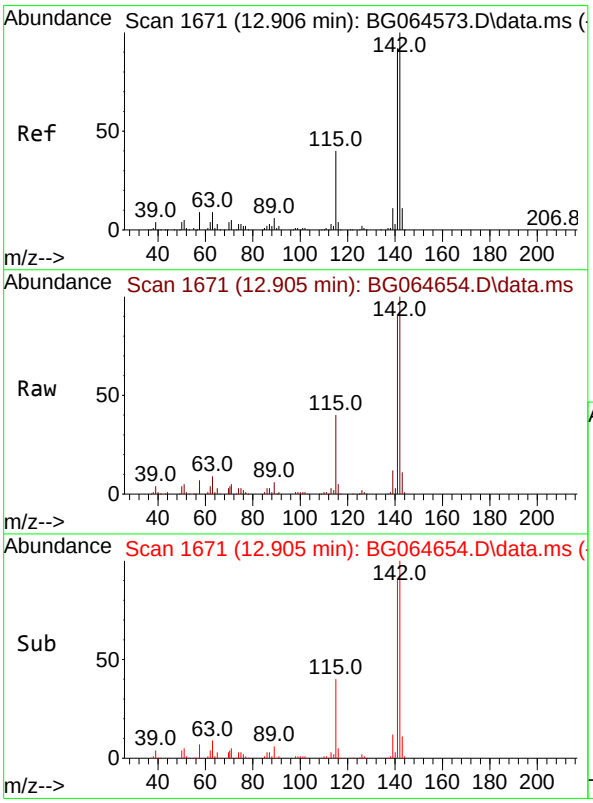
#37
2-Methylnaphthalene
Concen: 42.641 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 211429

Ion	Ratio	Lower	Upper
142	100		
141	89.1	68.9	103.3
115	39.0	30.6	46.0

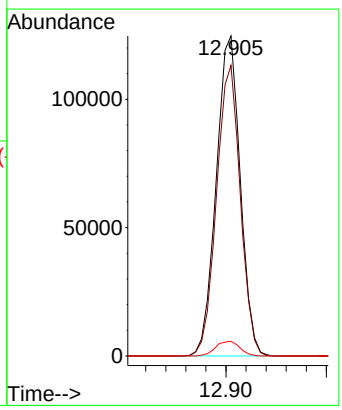


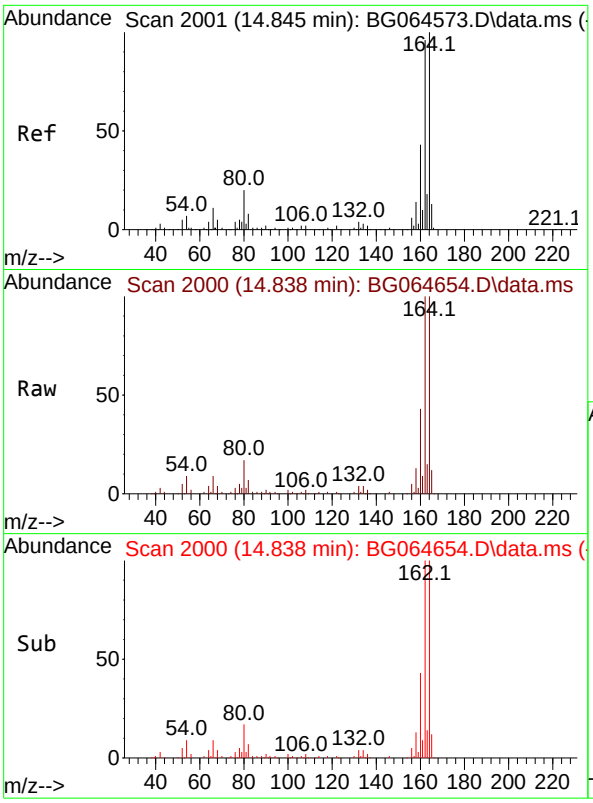


#38
1-Methylnaphthalene
Concen: 42.113 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:142 Resp: 206713

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.3	109.9
116	4.6	3.1	4.7



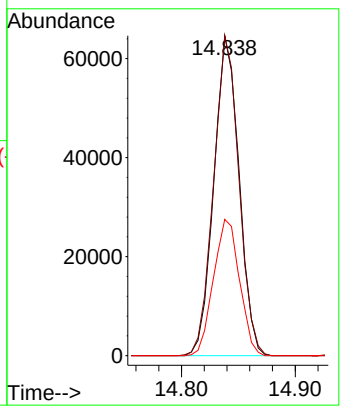


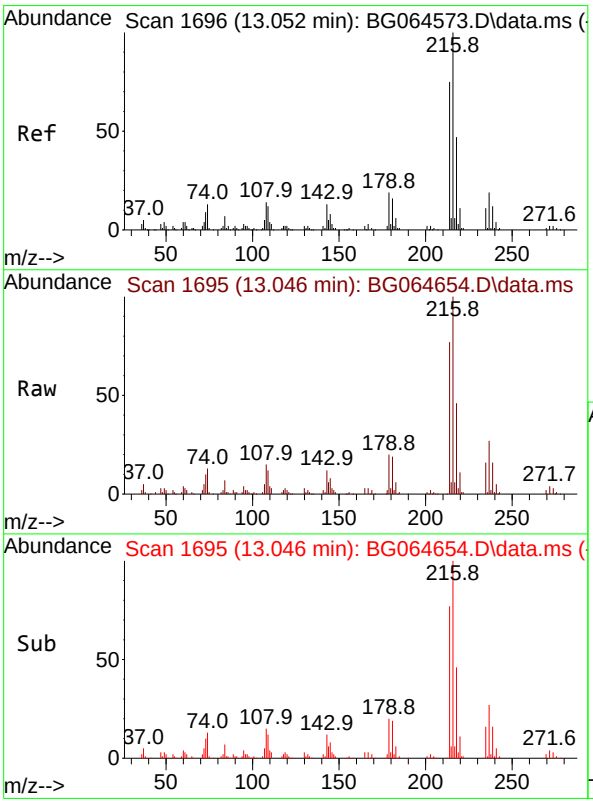
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 99146

Ion	Ratio	Lower	Upper
164	100		
162	100.1	77.0	115.6
160	42.7	34.4	51.6

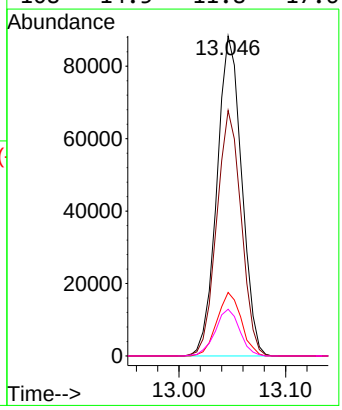


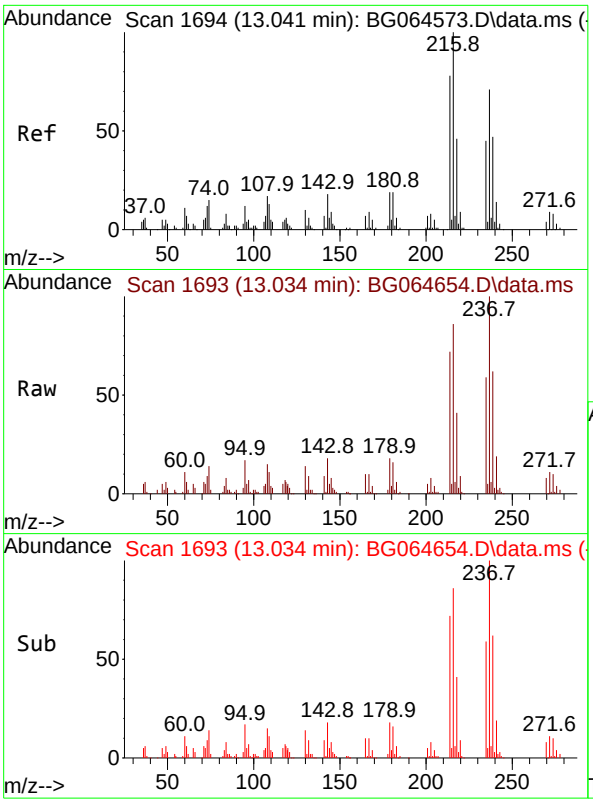


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.781 ng
RT: 13.046 min Scan# 1695
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:216 Resp: 142351

Ion	Ratio	Lower	Upper
216	100		
214	75.8	61.4	92.2
179	19.4	15.4	23.0
108	14.5	11.8	17.6



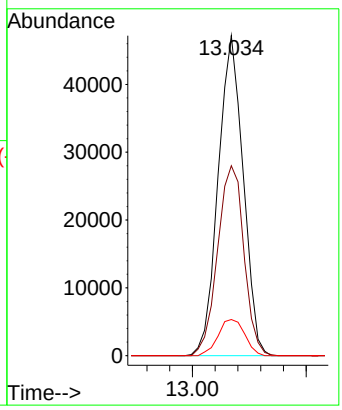


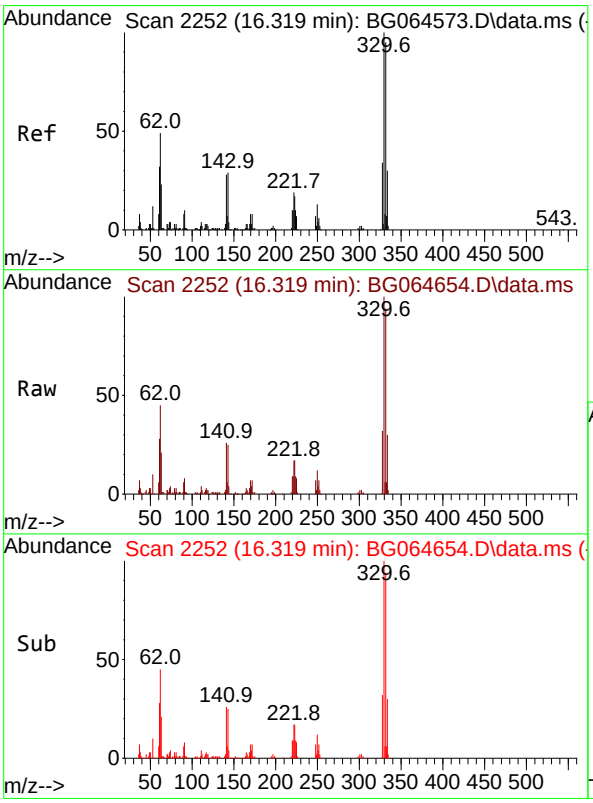
#41
Hexachlorocyclopentadiene
Concen: 48.153 ng
RT: 13.034 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 72118

Ion	Ratio	Lower	Upper
237	100		
235	59.4	44.1	84.1
272	11.3	0.0	32.4

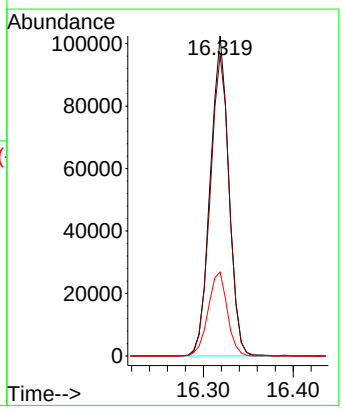


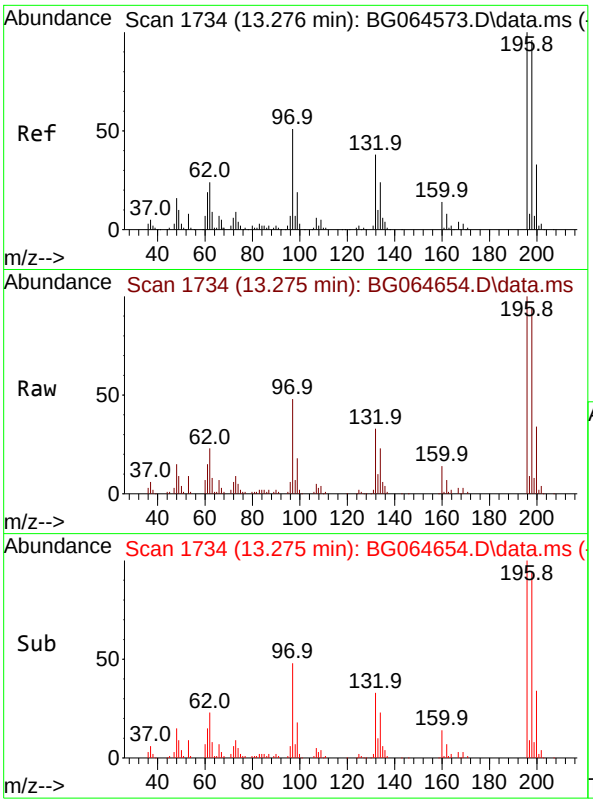


#42
2,4,6-Tribromophenol
Concen: 102.353 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:330 Resp: 146464

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	27.1	21.8	32.6



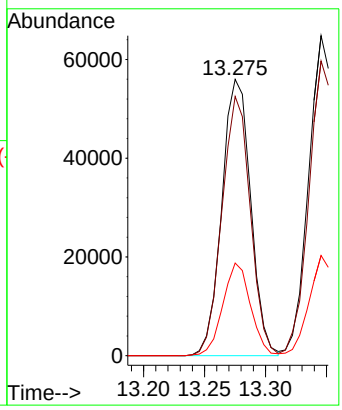


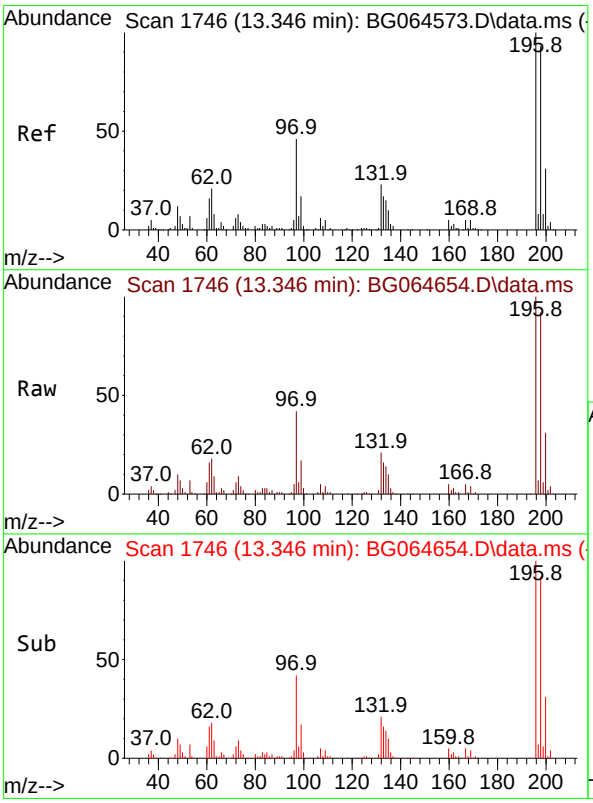
#43
2,4,6-Trichlorophenol
Concen: 48.476 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 92265

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.6	115.0
200	33.5	26.0	39.0

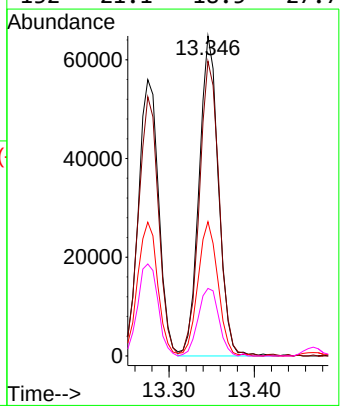


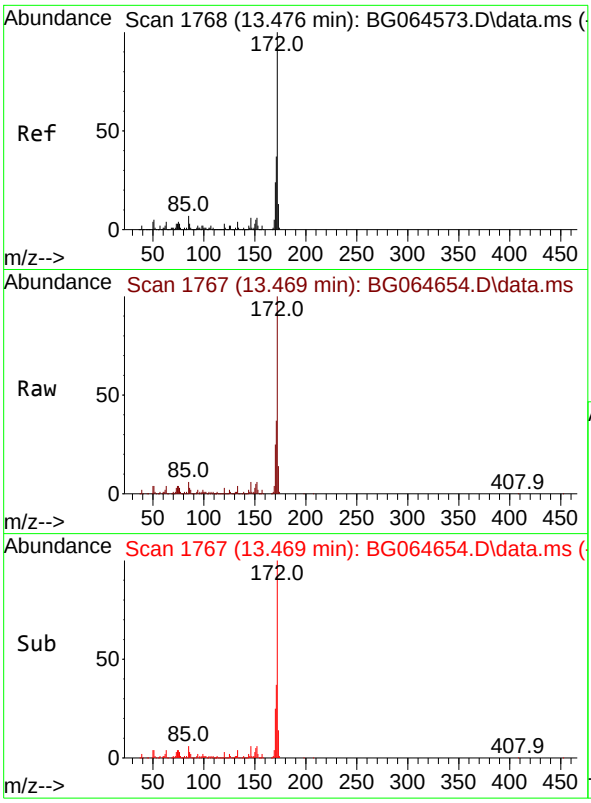


#44
2,4,5-Trichlorophenol
Concen: 46.620 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:196 Resp: 102397

Ion	Ratio	Lower	Upper
196	100		
198	92.1	74.2	111.4
97	42.0	37.0	55.6
132	21.1	18.5	27.7



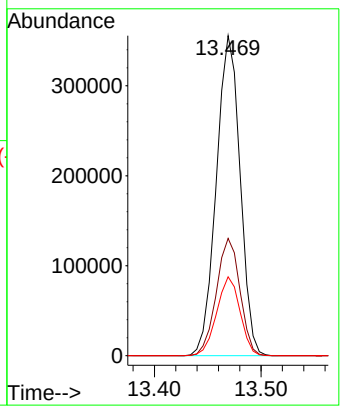


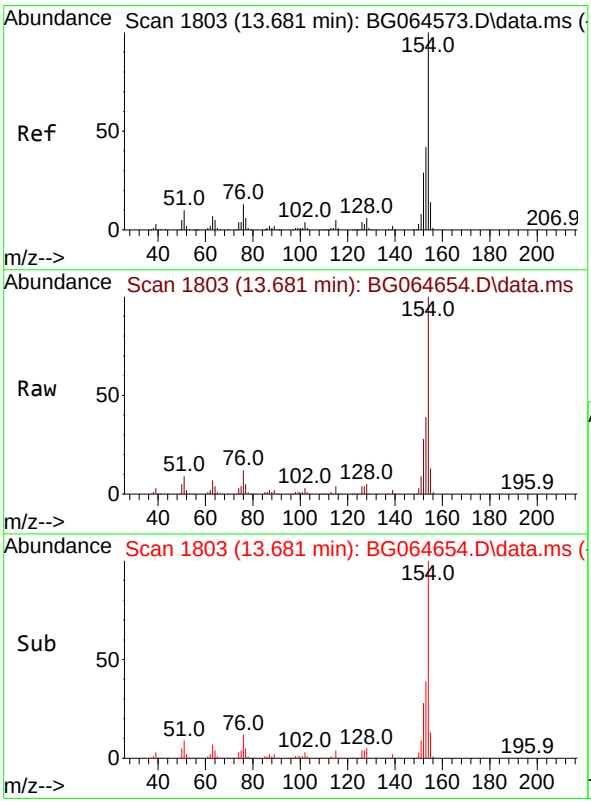
#45
2-Fluorobiphenyl
Concen: 84.147 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 550409

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	19.1	28.7

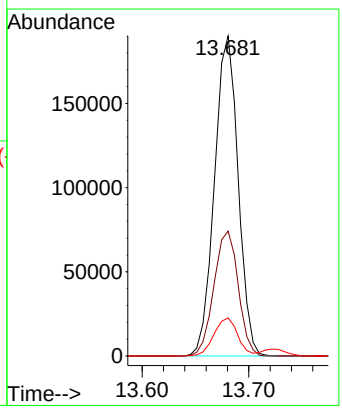


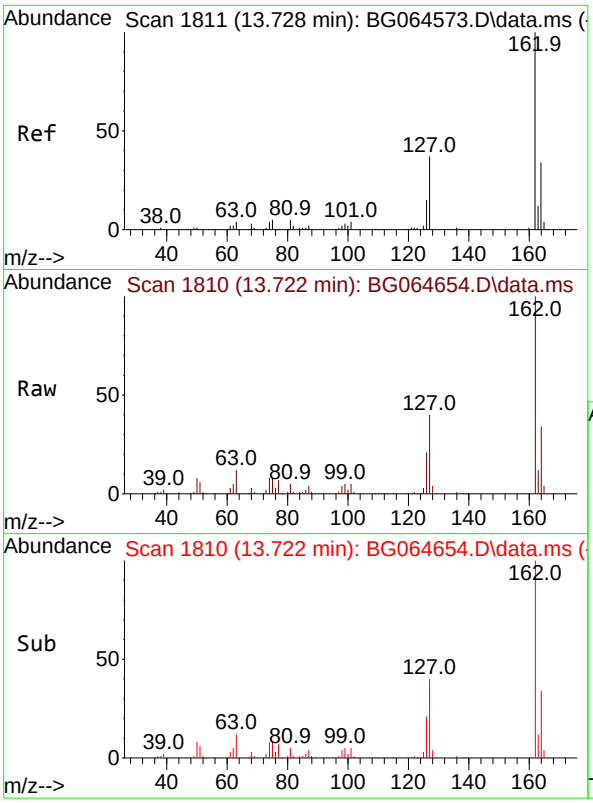


#46
1,1'-Biphenyl
Concen: 41.458 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:154 Resp: 292218

Ion	Ratio	Lower	Upper
154	100		
153	39.0	22.4	62.4
76	11.9	0.0	33.5



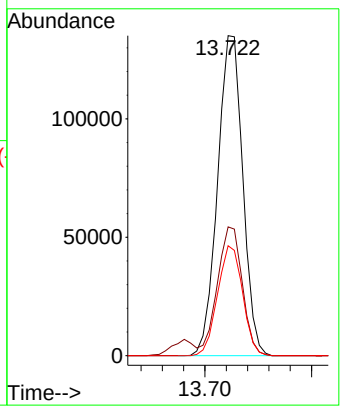


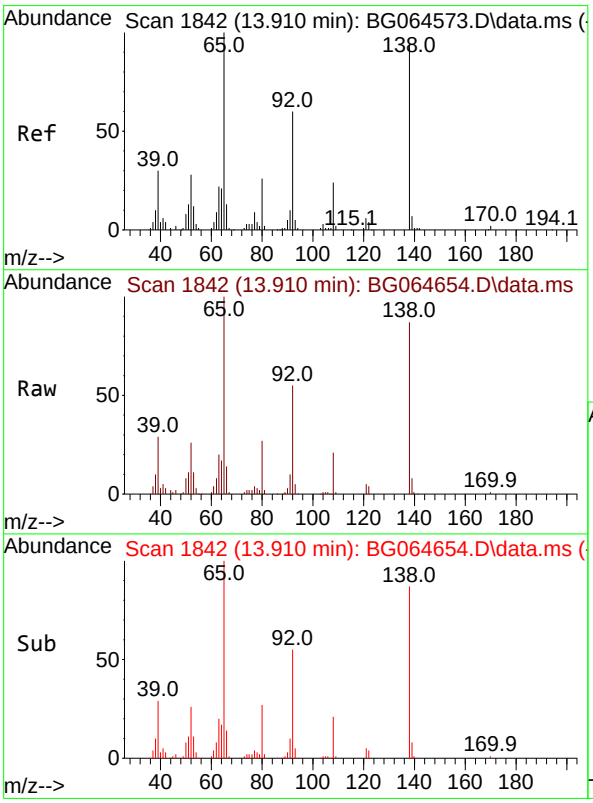
#47
2-Chloronaphthalene
Concen: 41.677 ng
RT: 13.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 221744

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3

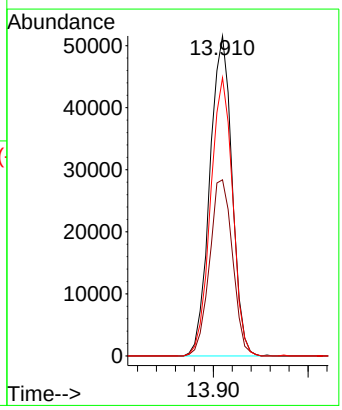


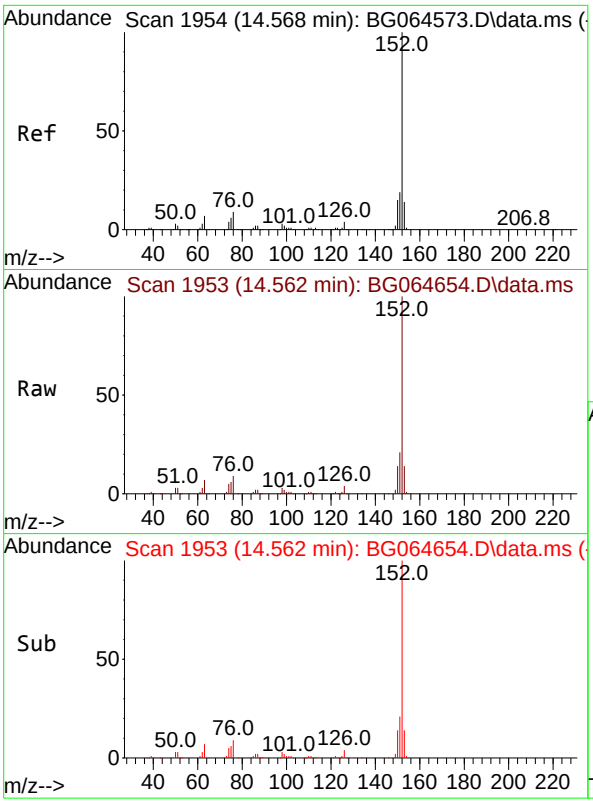


#48
2-Nitroaniline
Concen: 46.901 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion: 65 Resp: 83630

Ion	Ratio	Lower	Upper
65	100		
92	55.1	48.3	72.5
138	86.9	74.9	112.3



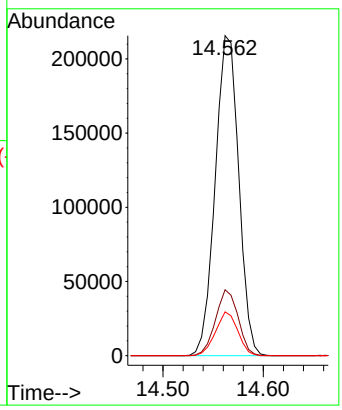


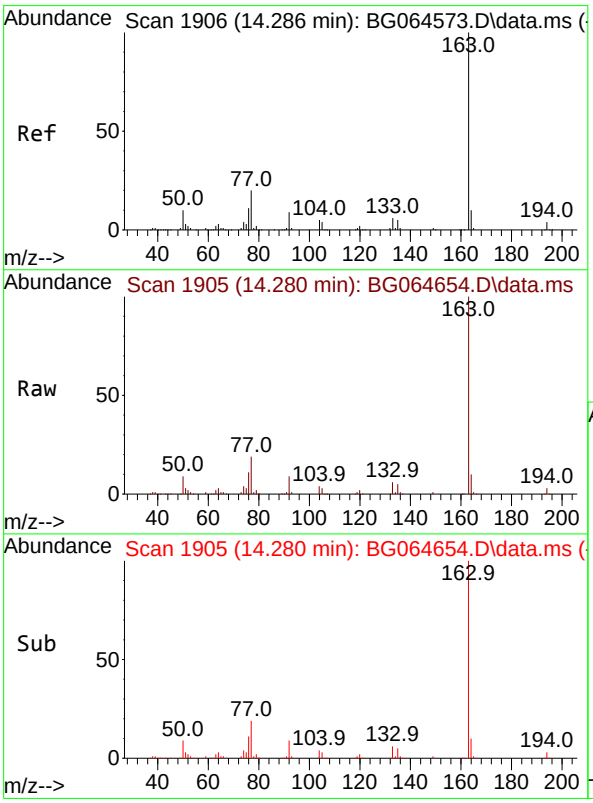
#49
Acenaphthylene
Concen: 41.810 ng
RT: 14.562 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 350872

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.4	23.2
153	13.7	11.0	16.4

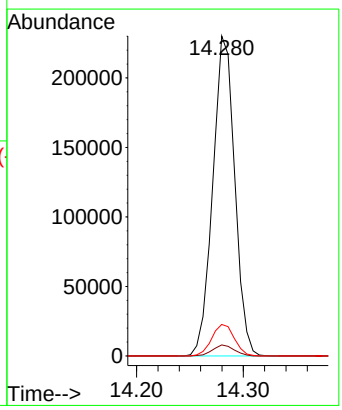


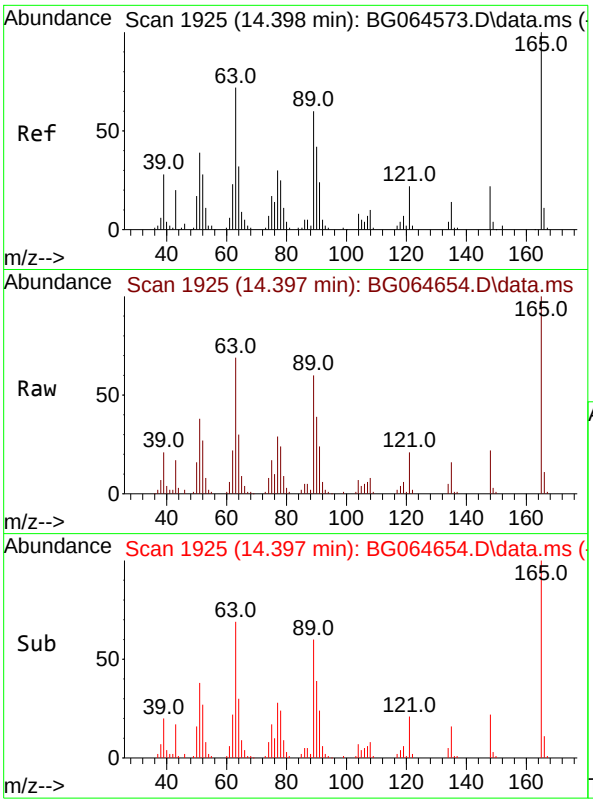


#50
Dimethylphthalate
Concen: 43.311 ng
RT: 14.280 min Scan# 1905
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:163 Resp: 328584

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.8	7.7	11.5



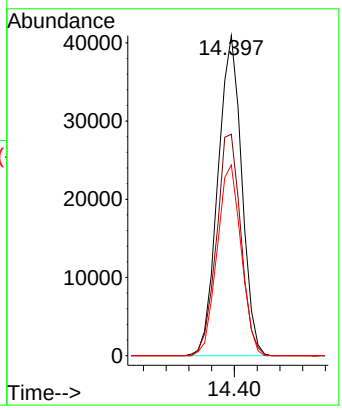


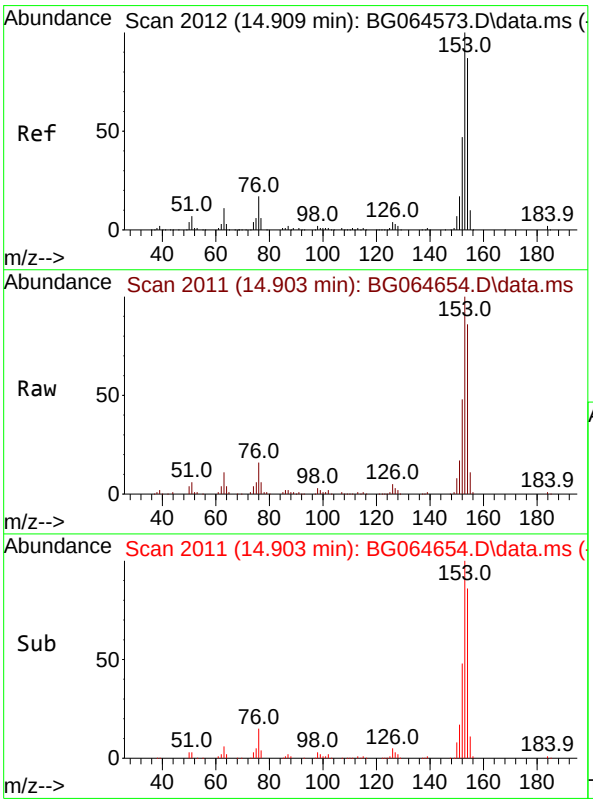
#51
2,6-Dinitrotoluene
Concen: 47.570 ng
RT: 14.397 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 59510

Ion	Ratio	Lower	Upper
165	100		
63	69.2	57.4	86.0
89	59.6	47.8	71.8

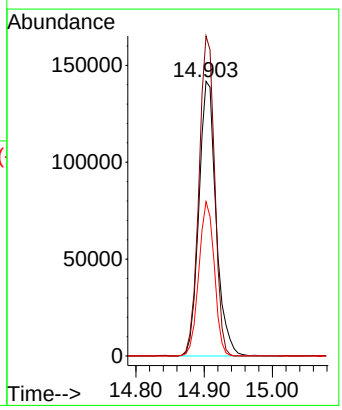


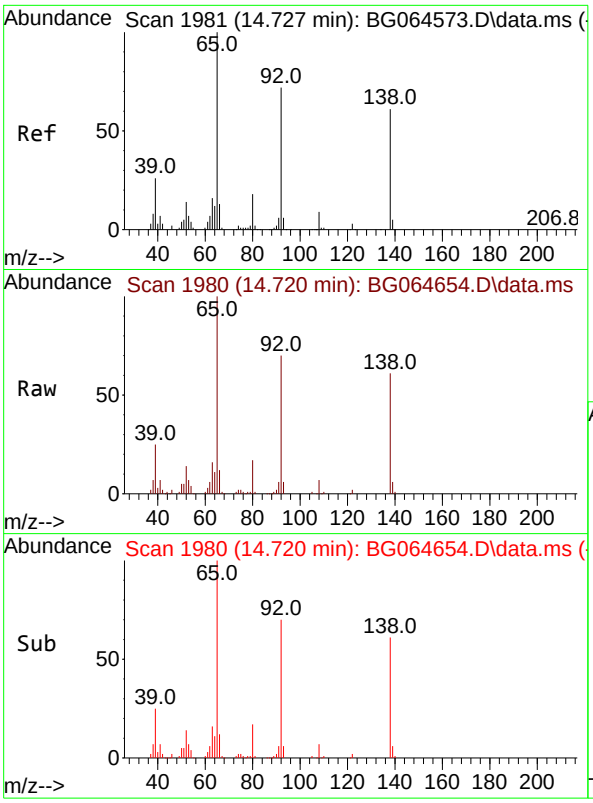


#52
Acenaphthene
Concen: 43.306 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:154 Resp: 248302

Ion	Ratio	Lower	Upper
154	100		
153	116.6	92.2	138.4
152	56.2	43.2	64.8



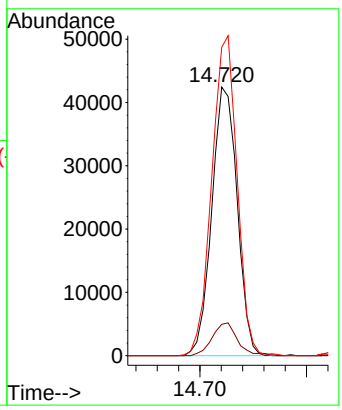


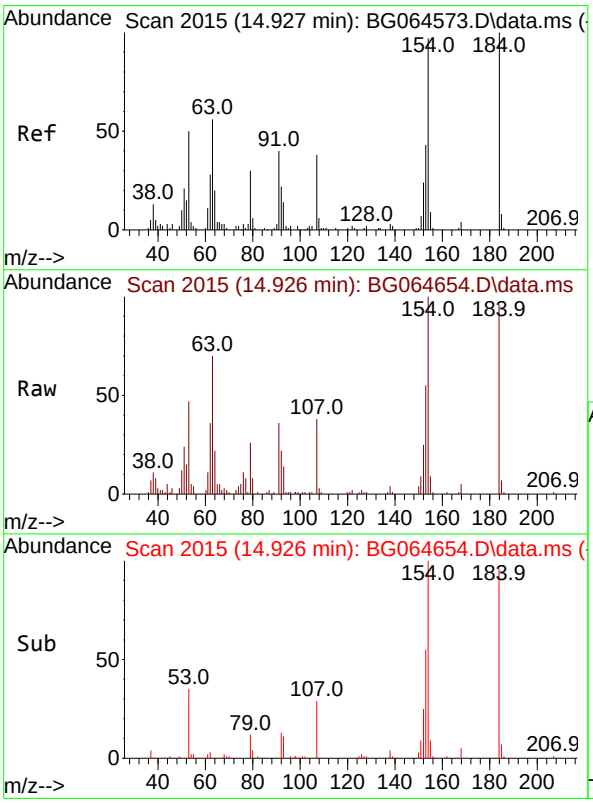
#53
3-Nitroaniline
Concen: 53.795 ng
RT: 14.720 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 70138

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.4	17.0
92	114.8	95.3	142.9

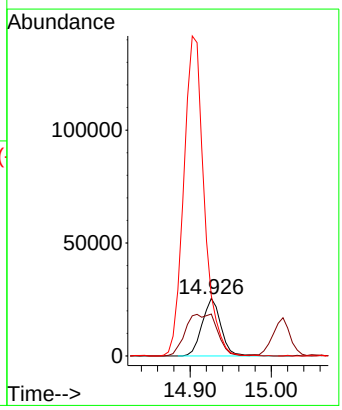


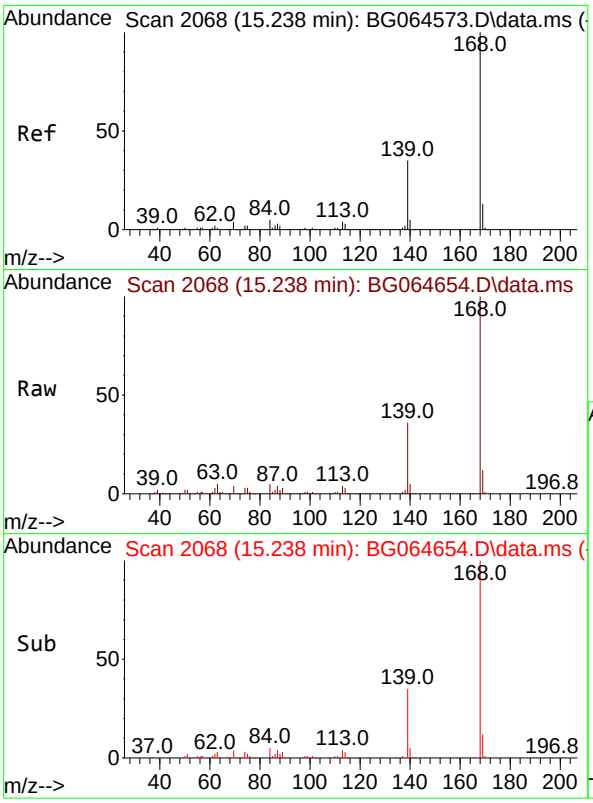


#54
2,4-Dinitrophenol
Concen: 55.180 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:184 Resp: 40959

Ion	Ratio	Lower	Upper
184	100		
63	72.7	56.6	85.0
154	104.4	158.6	238.0#



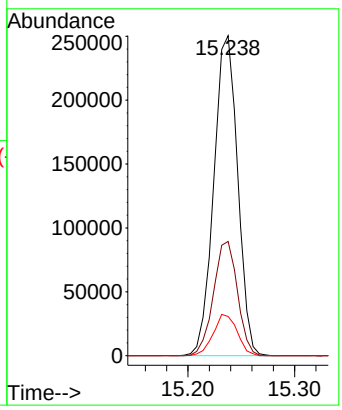


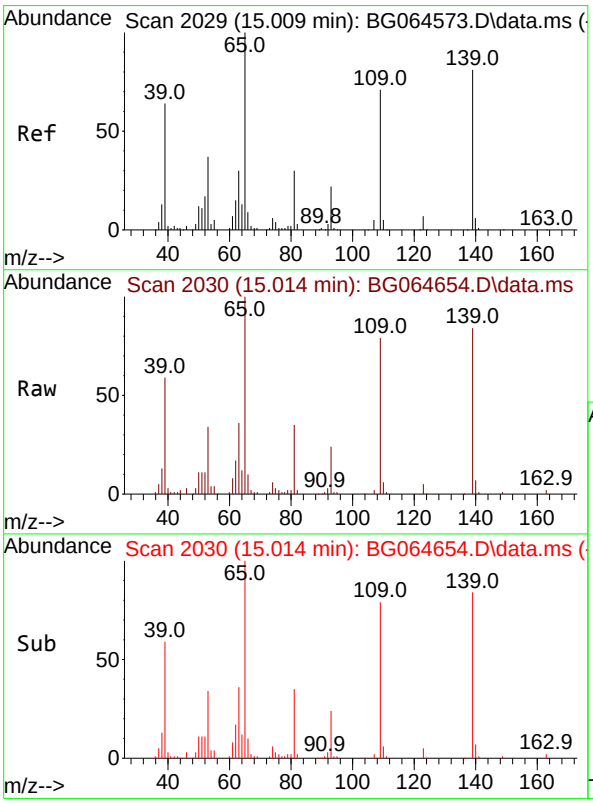
#55
Dibenzofuran
Concen: 41.947 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 388830

Ion	Ratio	Lower	Upper
168	100		
139	35.7	27.8	41.8
169	12.3	10.3	15.5

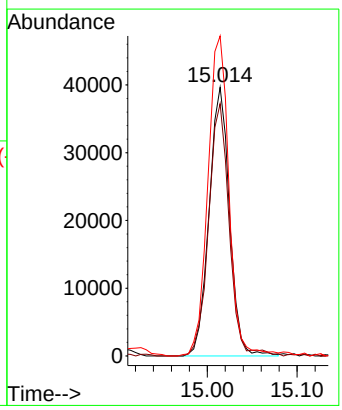


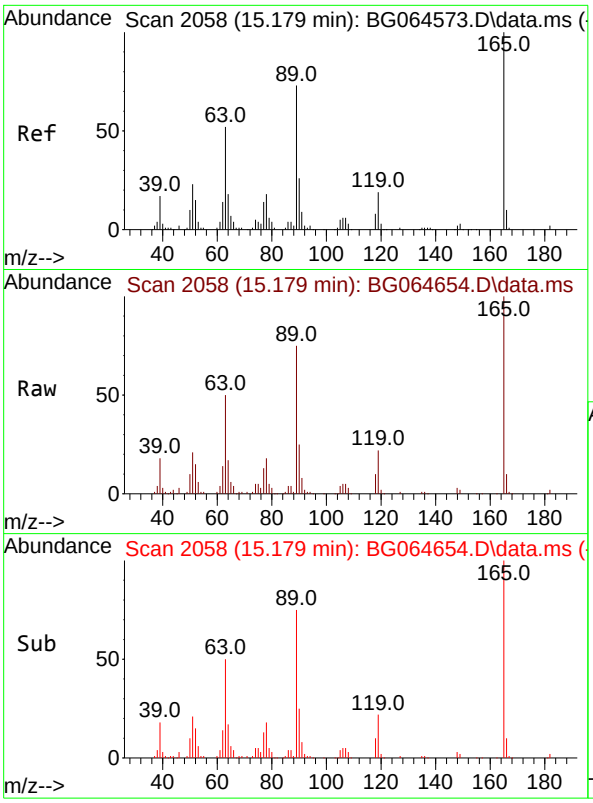


#56
4-Nitrophenol
Concen: 51.918 ng
RT: 15.014 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:139 Resp: 62759

Ion	Ratio	Lower	Upper
139	100		
109	93.9	67.8	107.8
65	119.1	103.7	143.7



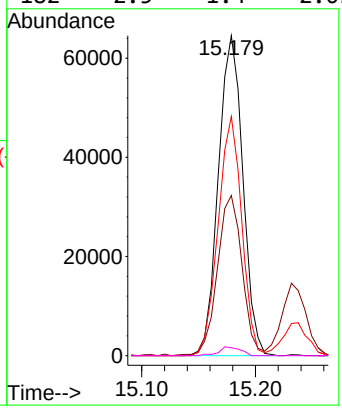


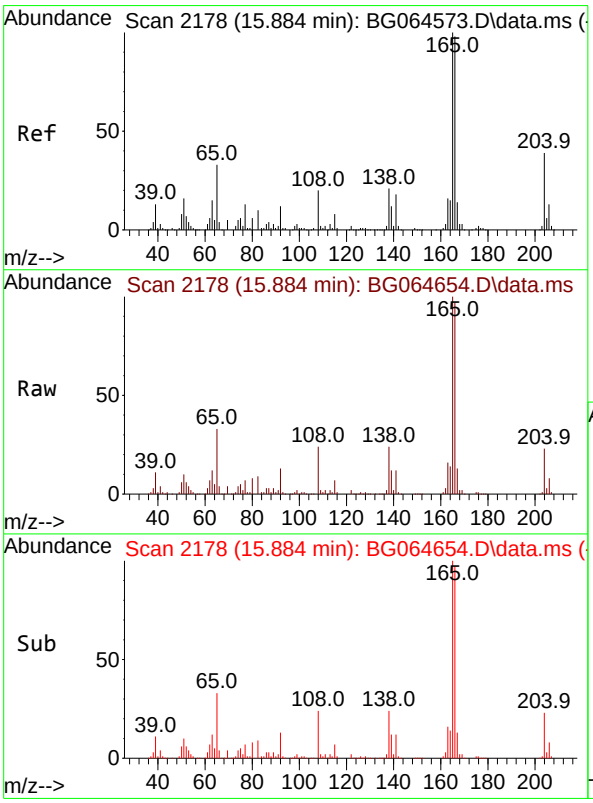
#57
2,4-Dinitrotoluene
Concen: 49.783 ng
RT: 15.179 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 96588

Ion	Ratio	Lower	Upper
165	100		
63	50.0	41.8	62.8
89	74.7	58.1	87.1
182	2.5	1.4	2.0#

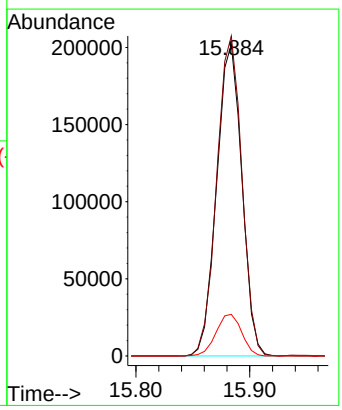


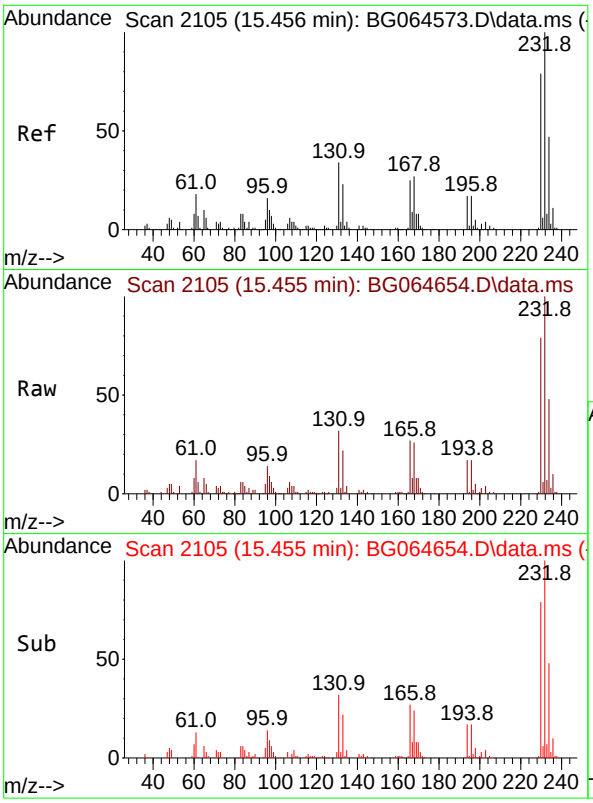


#58
Fluorene
Concen: 42.824 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:166 Resp: 310016

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.3	11.4	17.0



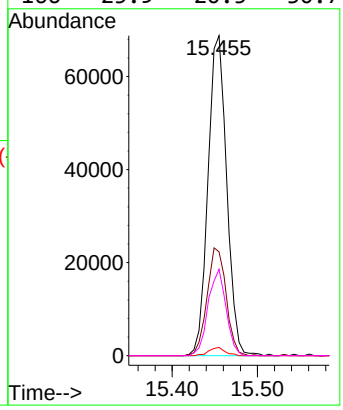


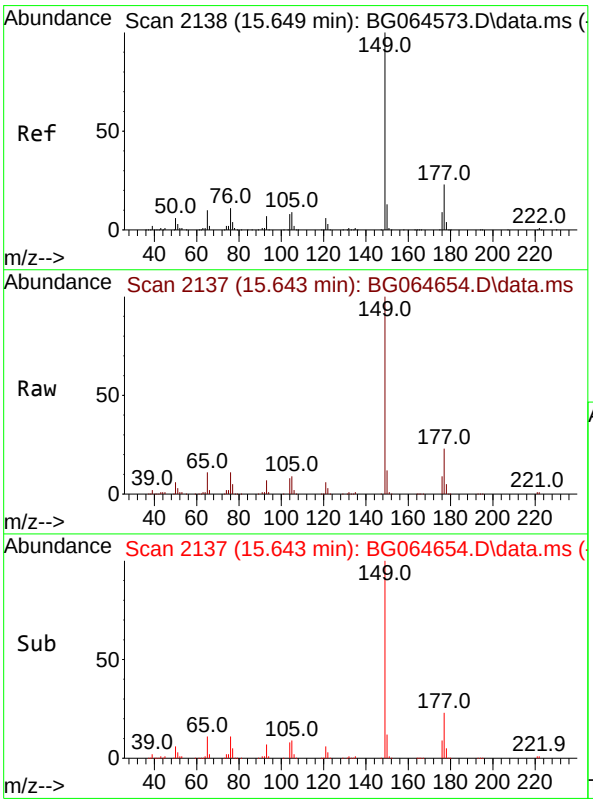
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.820 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 104637

Ion	Ratio	Lower	Upper
232	100		
131	34.5	26.7	40.1
130	2.3	1.6	2.4
166	25.9	20.5	30.7

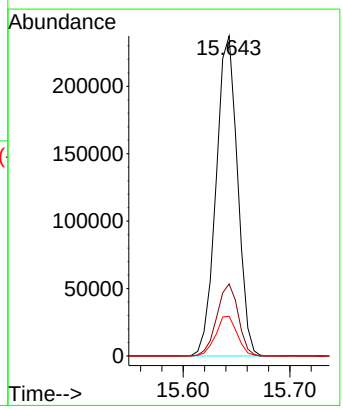


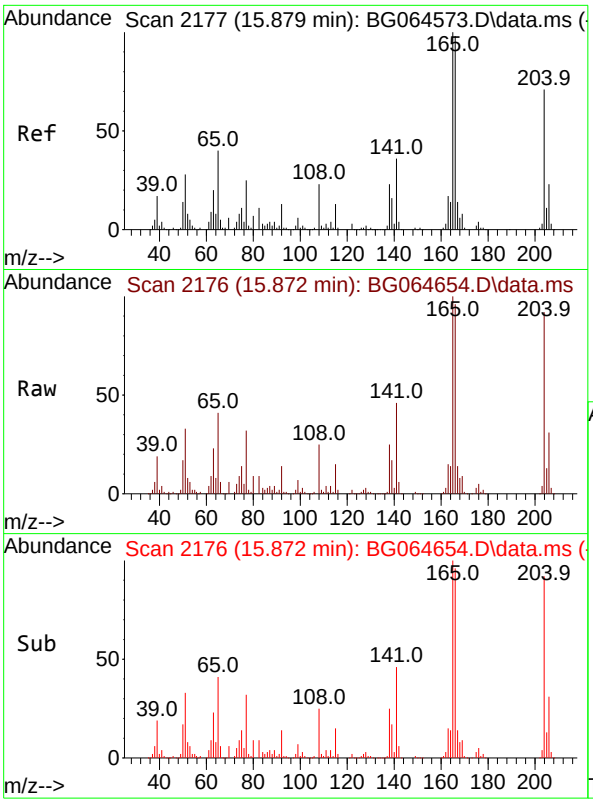


#60
Diethylphthalate
Concen: 42.720 ng
RT: 15.643 min Scan# 2137
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:149 Resp: 330924

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.4	10.2	15.4



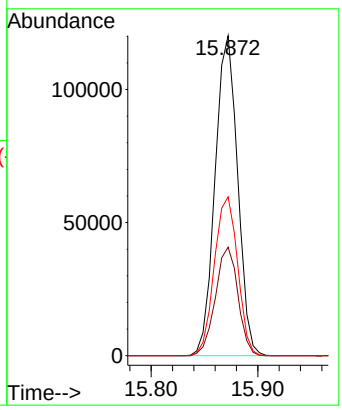


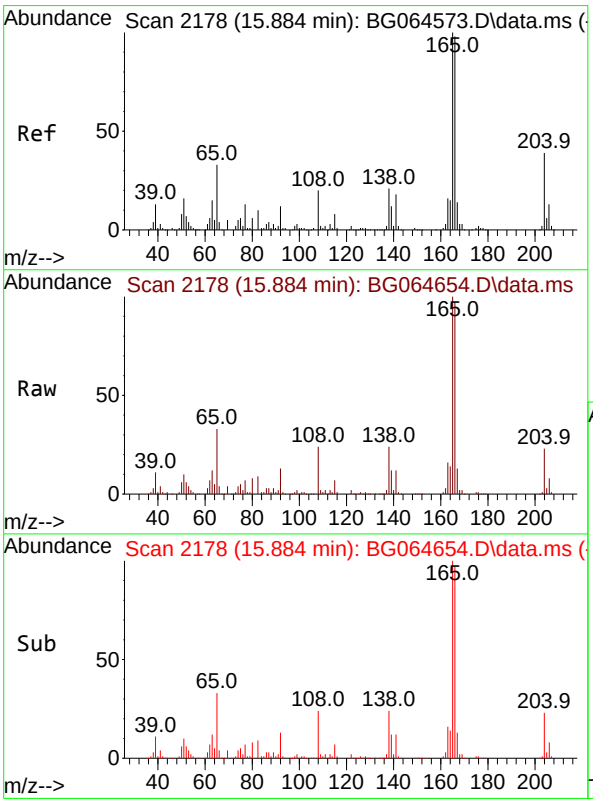
#61
4-Chlorophenyl-phenylether
Concen: 43.354 ng
RT: 15.872 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 176129

Ion	Ratio	Lower	Upper
204	100		
206	33.9	25.6	38.4
141	49.7	40.6	60.8

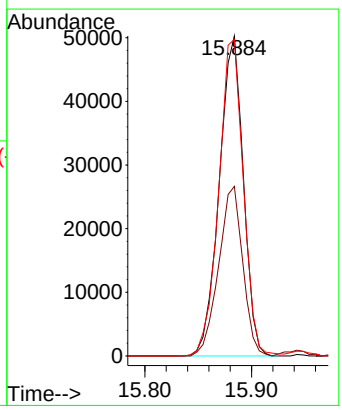


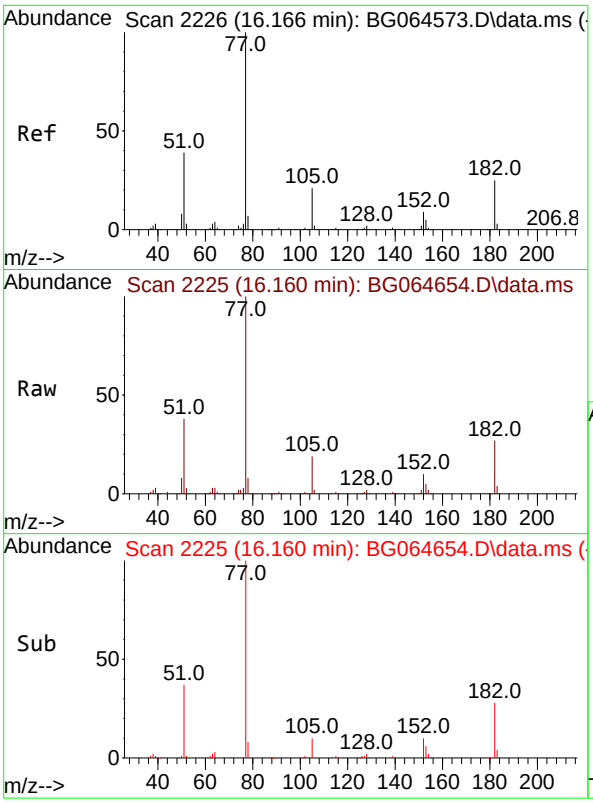


#62
4-Nitroaniline
Concen: 54.295 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:138 Resp: 78755

Ion	Ratio	Lower	Upper
138	100		
92	53.0	36.1	76.1
108	98.9	75.6	115.6



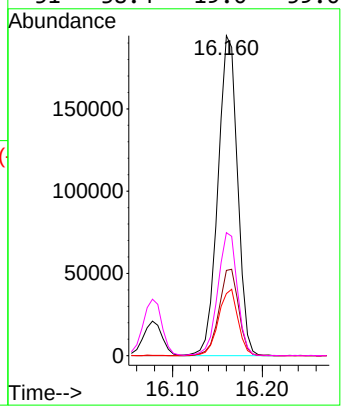


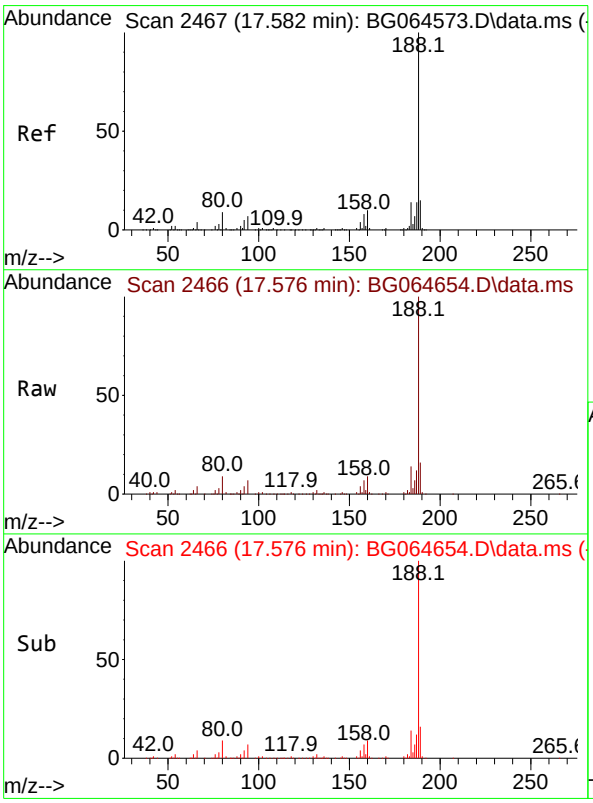
#63
Azobenzene
Concen: 41.508 ng
RT: 16.160 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 295018

Ion	Ratio	Lower	Upper
77	100		
182	26.7	4.9	44.9
105	19.4	1.3	41.3
51	38.4	19.0	59.0

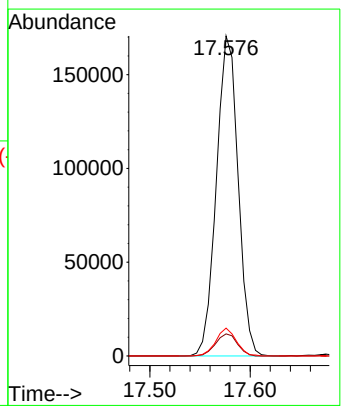


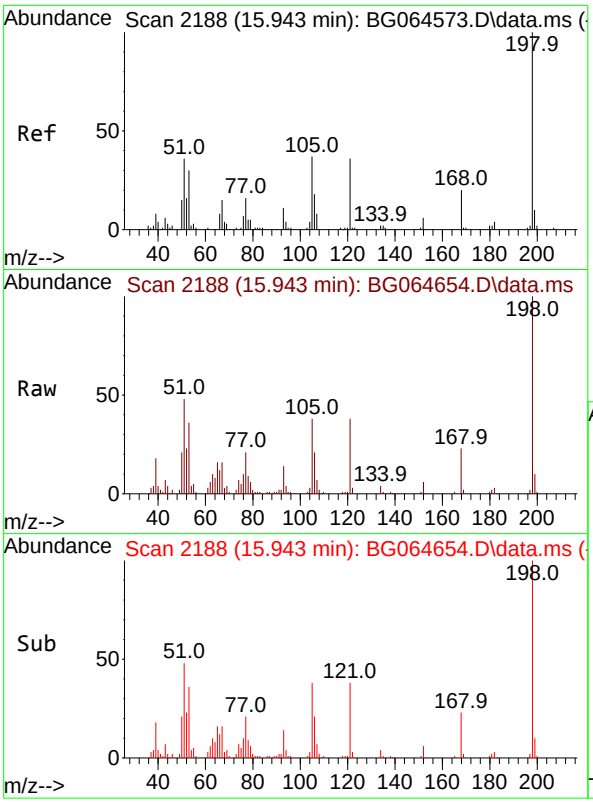


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:188 Resp: 255812

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	8.7	6.8	10.2



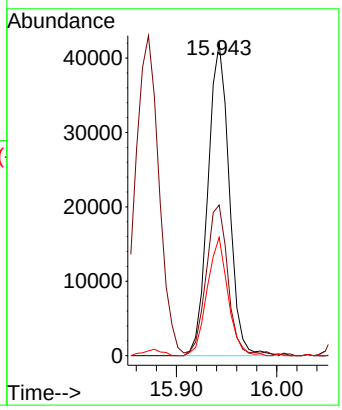


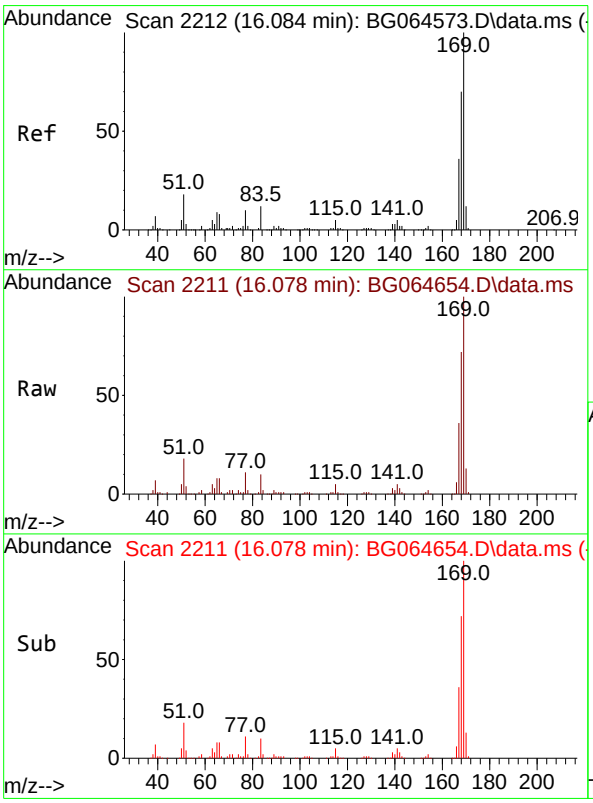
#65
4,6-Dinitro-2-methylphenol
Concen: 54.019 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 61671

Ion	Ratio	Lower	Upper
198	100		
51	48.2	24.7	64.7
105	37.9	18.0	58.0

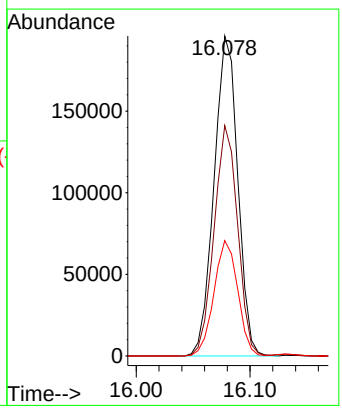


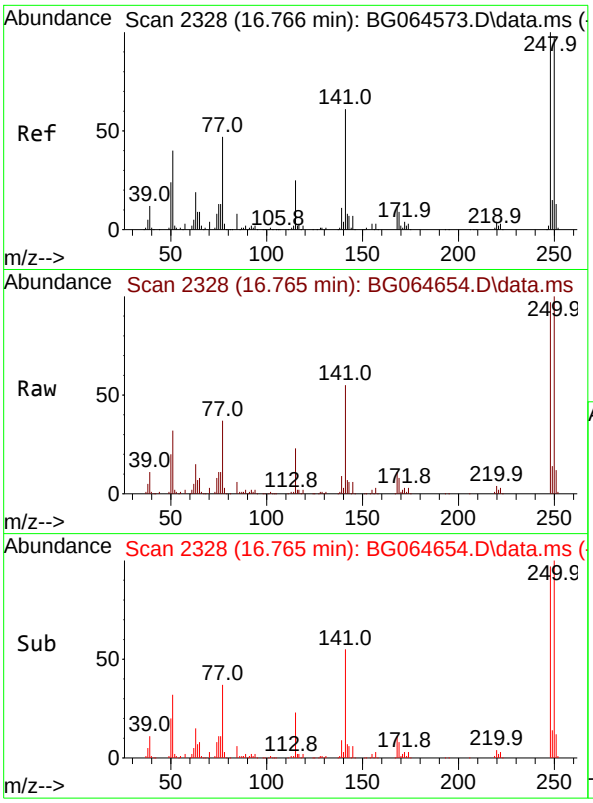


#66
n-Nitrosodiphenylamine
Concen: 41.047 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:169 Resp: 283639

Ion	Ratio	Lower	Upper
169	100		
168	72.0	56.3	84.5
167	36.0	29.0	43.6



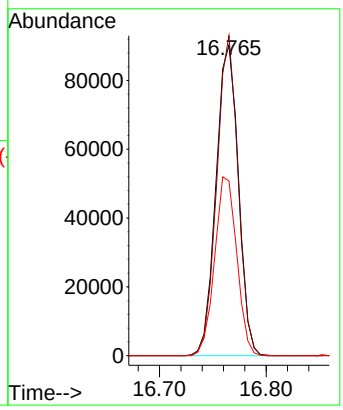


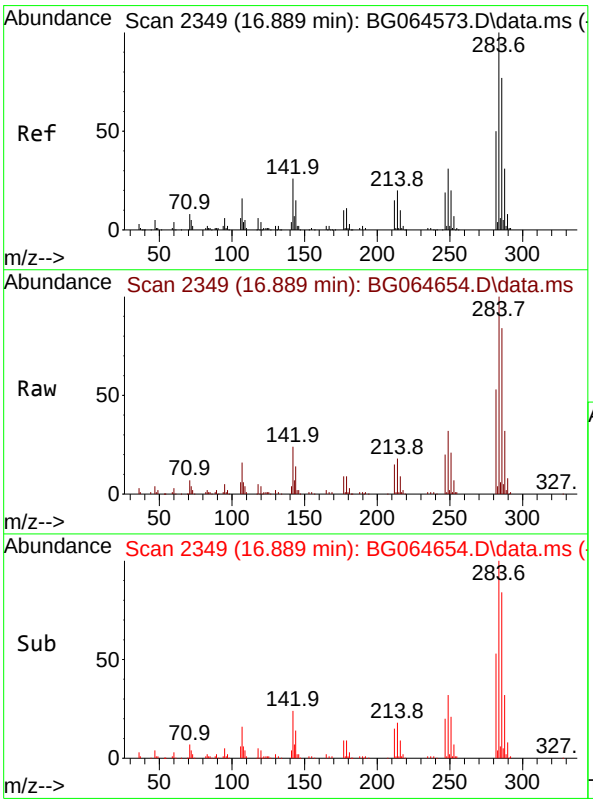
#67
4-Bromophenyl-phenylether
Concen: 43.477 ng
RT: 16.765 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 131799

Ion	Ratio	Lower	Upper
248	100		
250	103.0	77.7	116.5
141	56.2	48.6	72.8

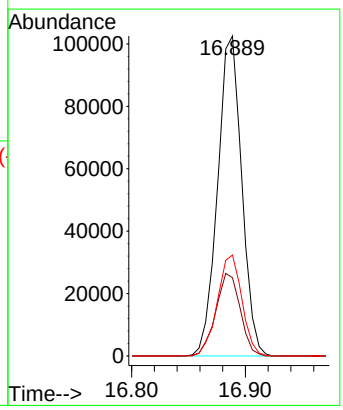


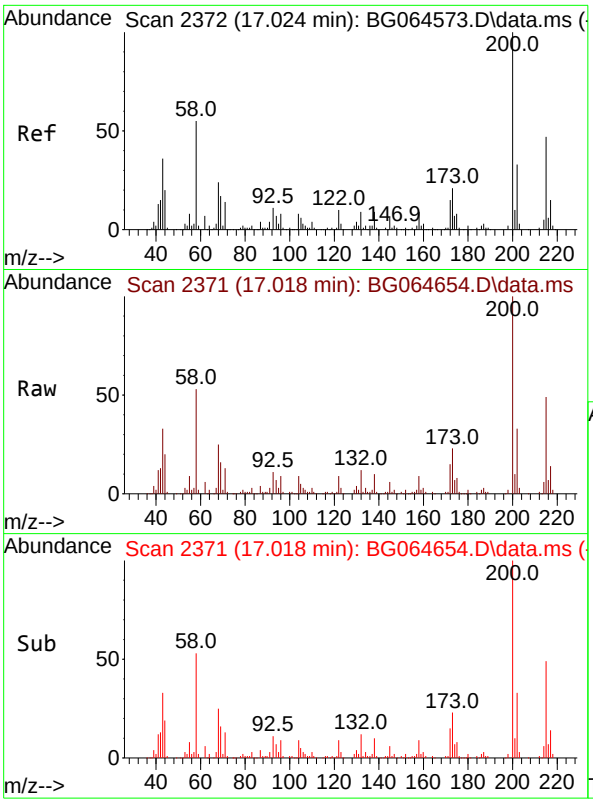


#68
Hexachlorobenzene
Concen: 43.724 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:284 Resp: 151216

Ion	Ratio	Lower	Upper
284	100		
142	24.5	21.0	31.6
249	33.8	24.9	37.3



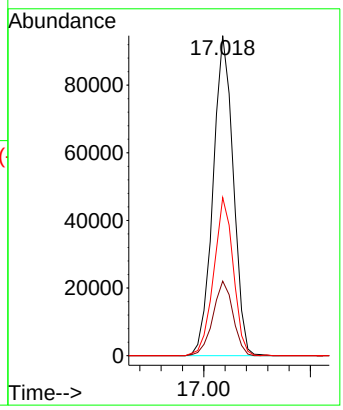


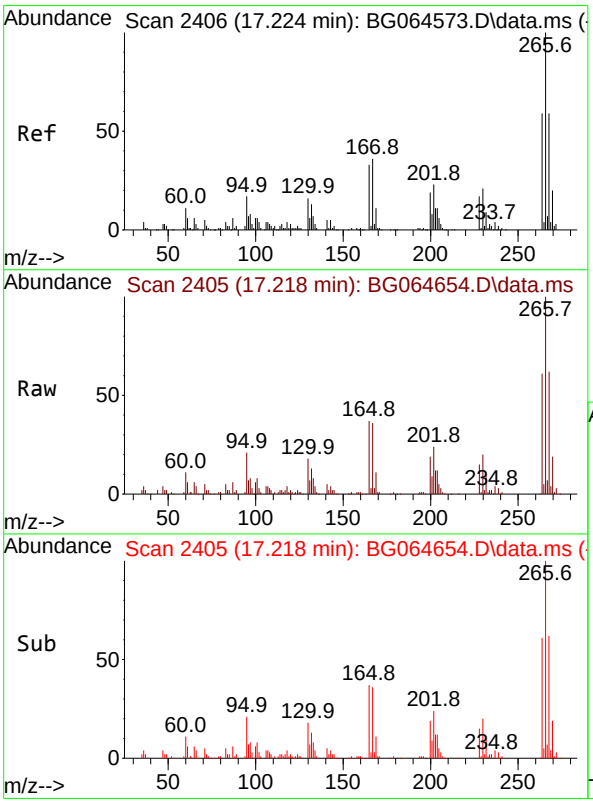
#69
Atrazine
Concen: 41.856 ng
RT: 17.018 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 124468

Ion	Ratio	Lower	Upper
200	100		
173	23.3	0.9	40.9
215	49.4	27.0	67.0

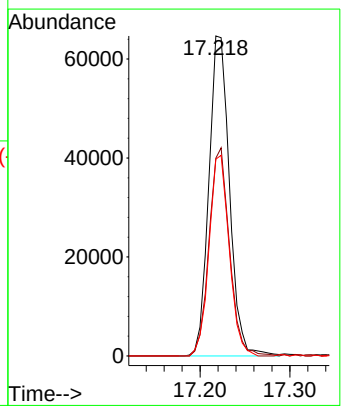


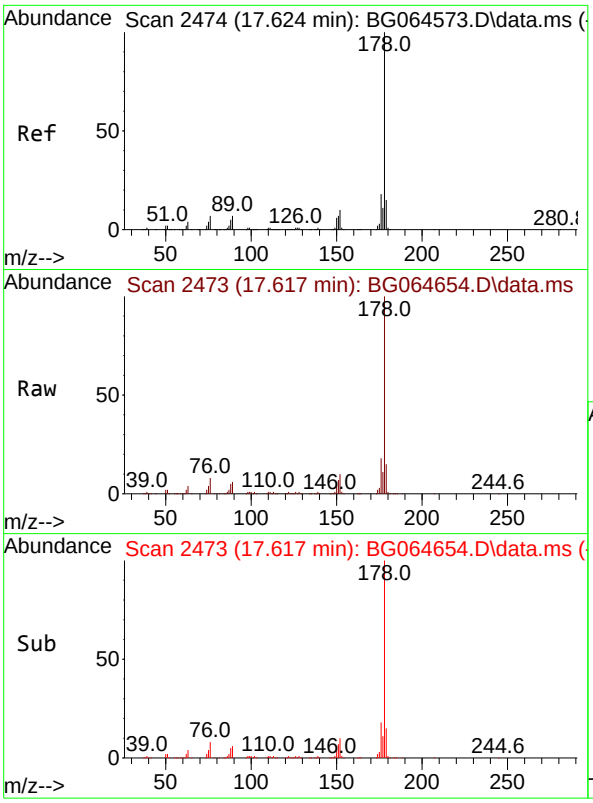


#70
Pentachlorophenol
Concen: 47.836 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:266 Resp: 103163

Ion	Ratio	Lower	Upper
266	100		
268	66.1	50.3	75.5
264	66.6	47.3	70.9



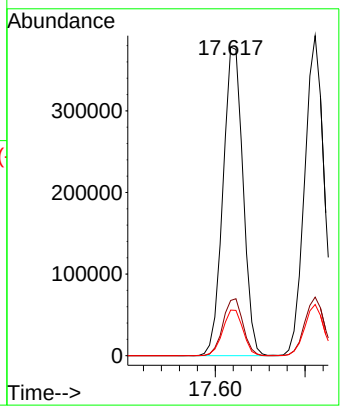


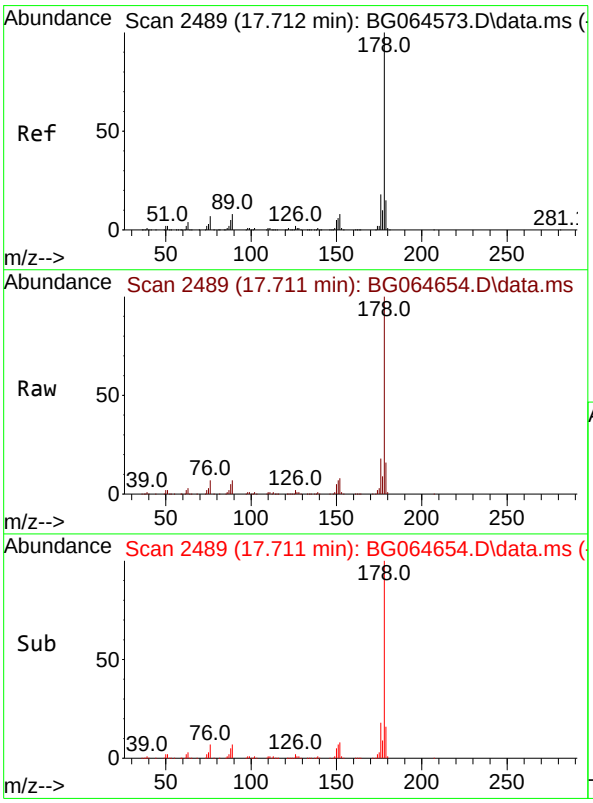
#71
Phenanthrene
Concen: 41.963 ng
RT: 17.617 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 587037

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	14.8	12.2	18.4

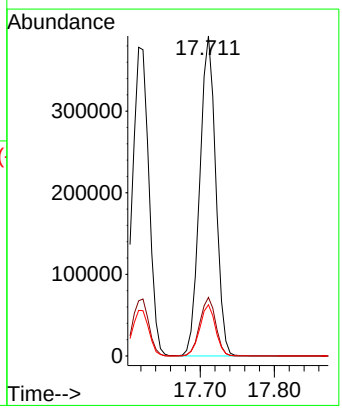


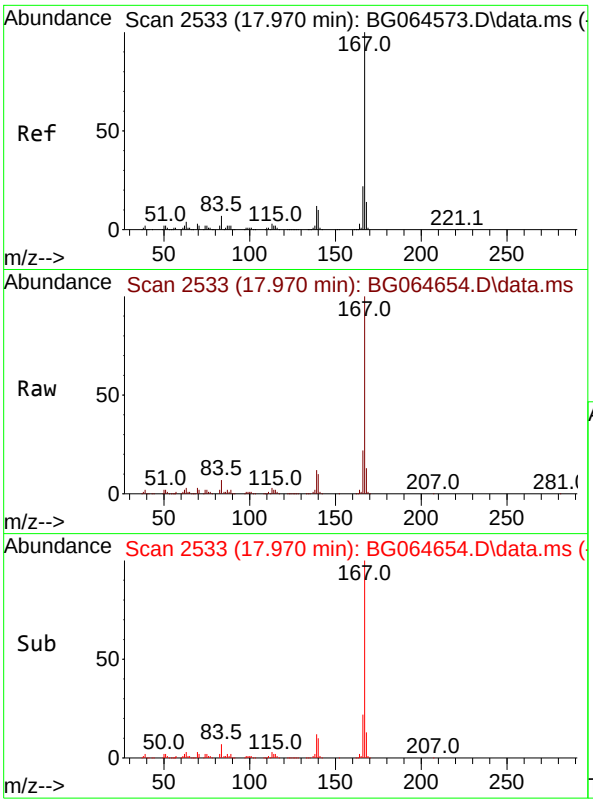


#72
Anthracene
Concen: 41.417 ng
RT: 17.711 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:178 Resp: 589385

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.4	21.6
179	16.0	12.4	18.6



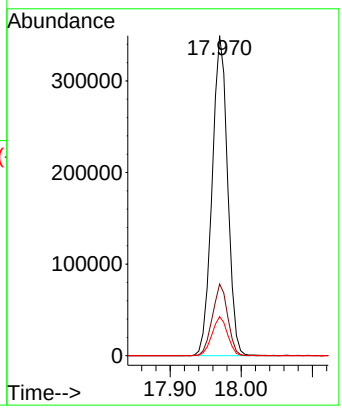


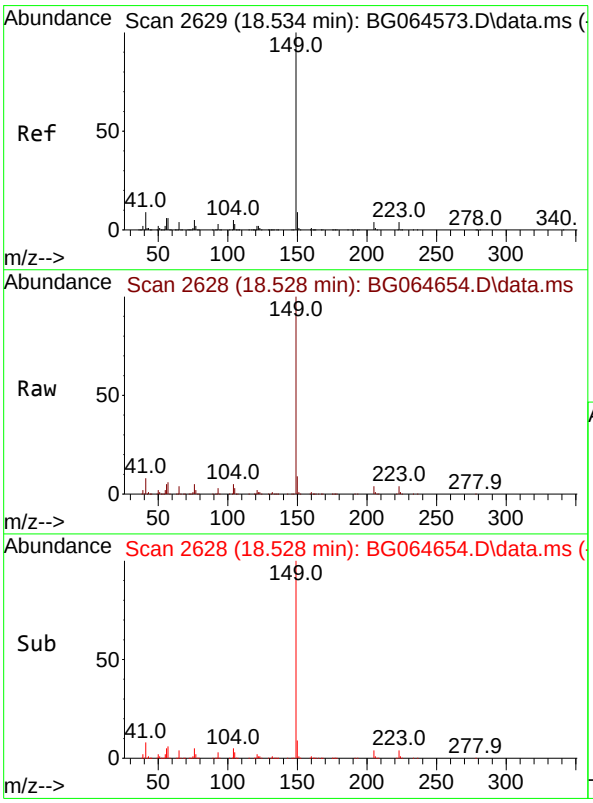
#73
Carbazole
Concen: 42.151 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 528932

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.2	9.7	14.5

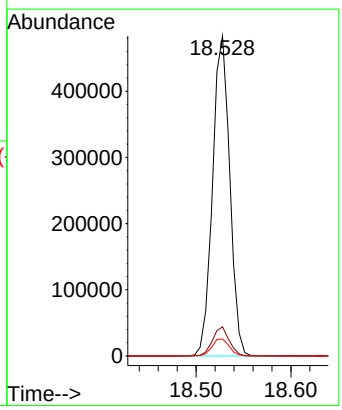


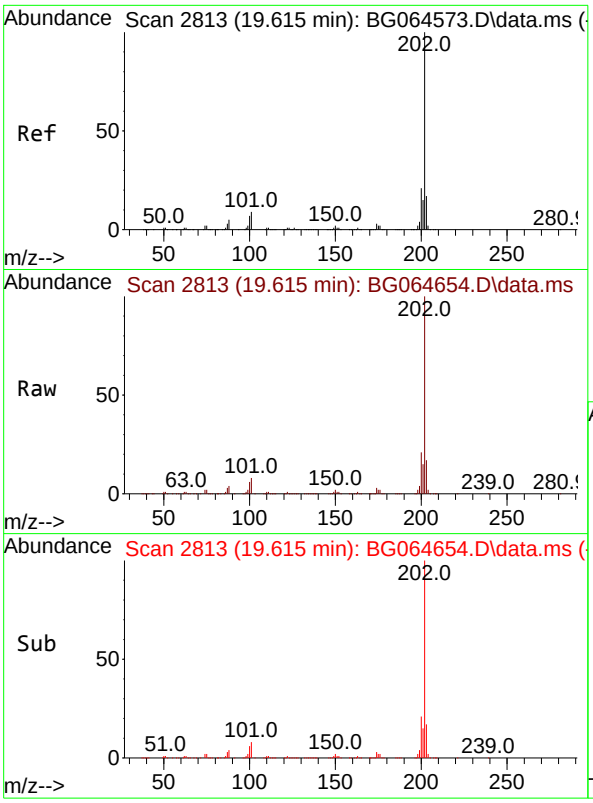


#74
Di-n-butylphthalate
Concen: 42.063 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:149 Resp: 610367

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	5.3	4.1	6.1



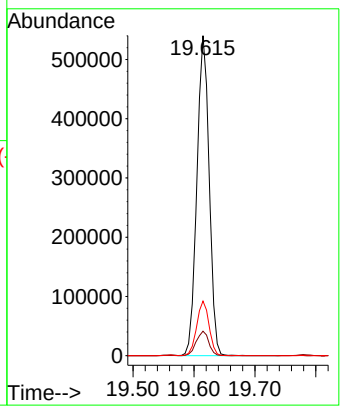


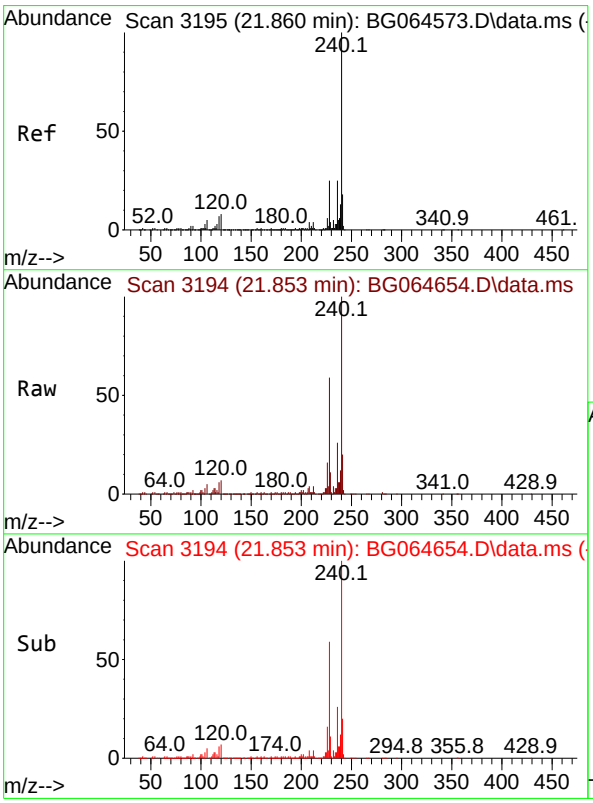
#75
Fluoranthene
Concen: 43.143 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 756083

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.7
203	17.0	0.0	37.0

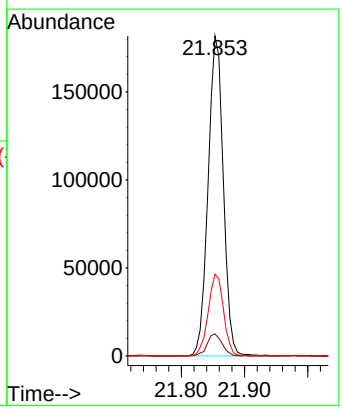


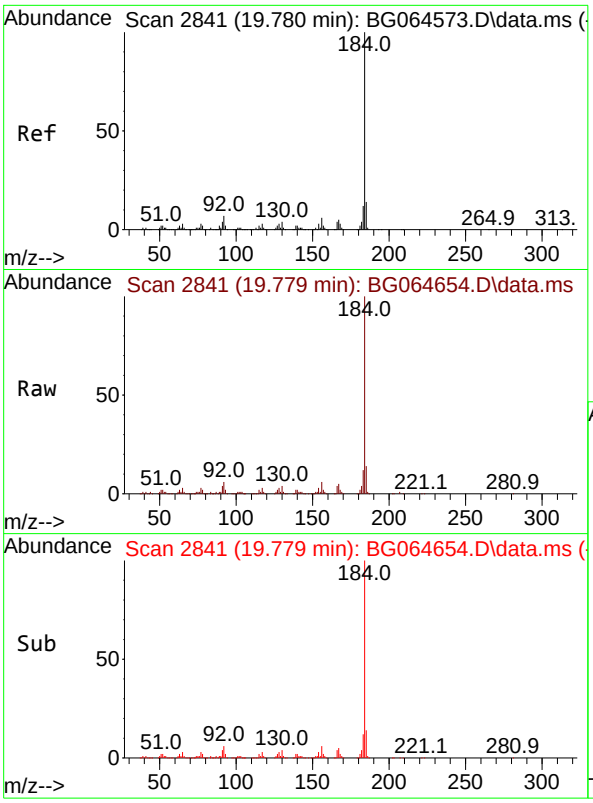


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:240 Resp: 303338

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.5	9.7
236	25.6	20.2	30.2



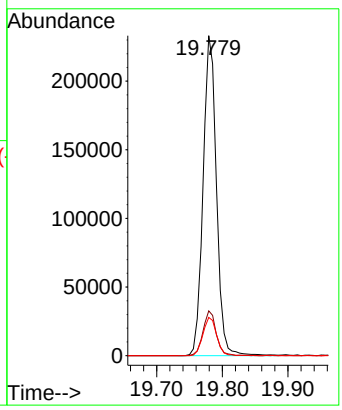


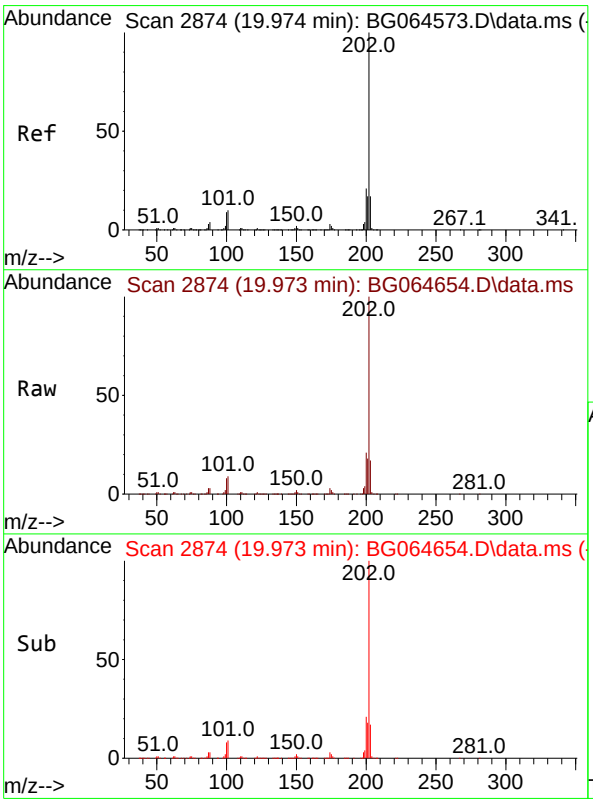
#77
Benzidine
Concen: 48.641 ng
RT: 19.779 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 330565

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.2
183	11.9	9.4	14.2

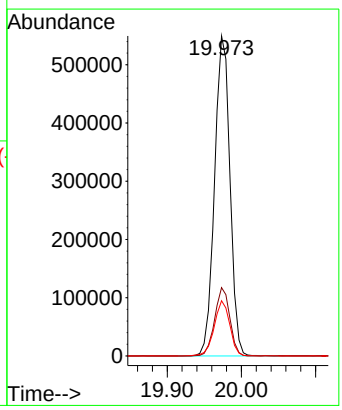


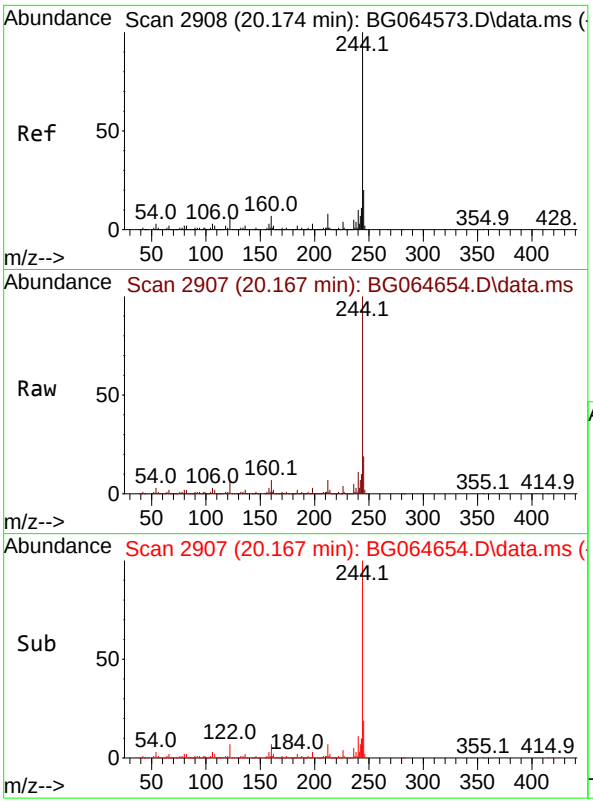


#78
Pyrene
Concen: 39.970 ng
RT: 19.973 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:202 Resp: 792145

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.2	13.8	20.6



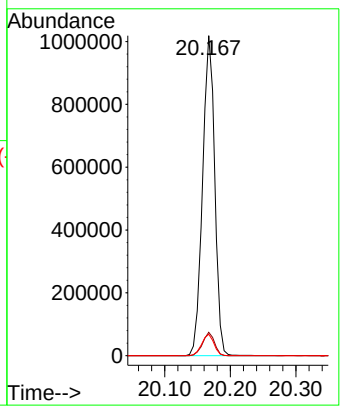


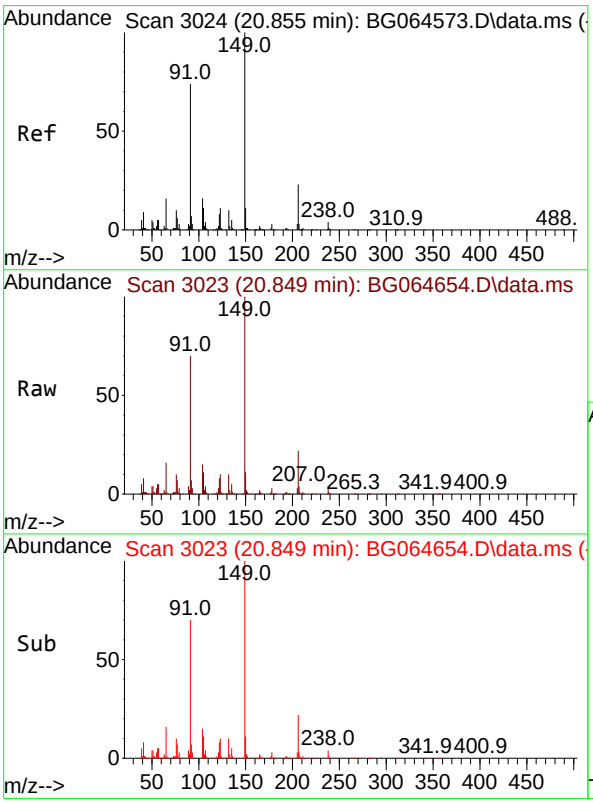
#79
Terphenyl-d14
Concen: 81.837 ng
RT: 20.167 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1315419

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	6.7	5.6	8.4

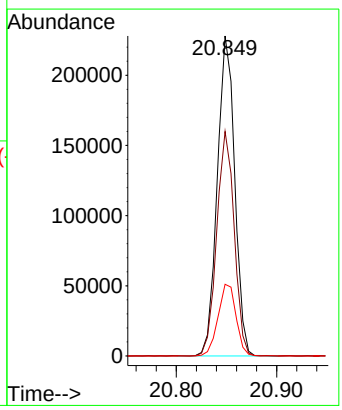


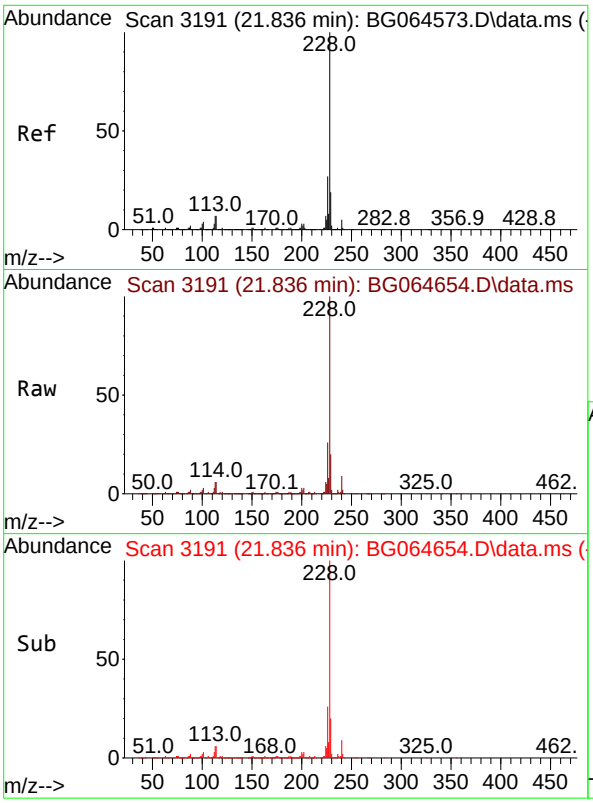


#80
Butylbenzylphthalate
Concen: 45.886 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:149 Resp: 274852

Ion	Ratio	Lower	Upper
149	100		
91	70.2	59.2	88.8
206	22.4	18.1	27.1



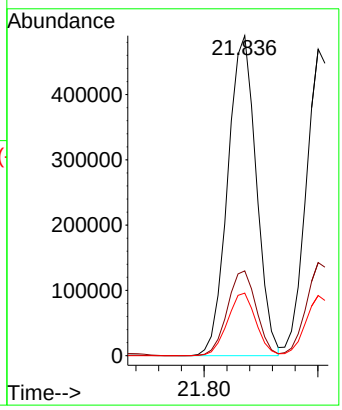


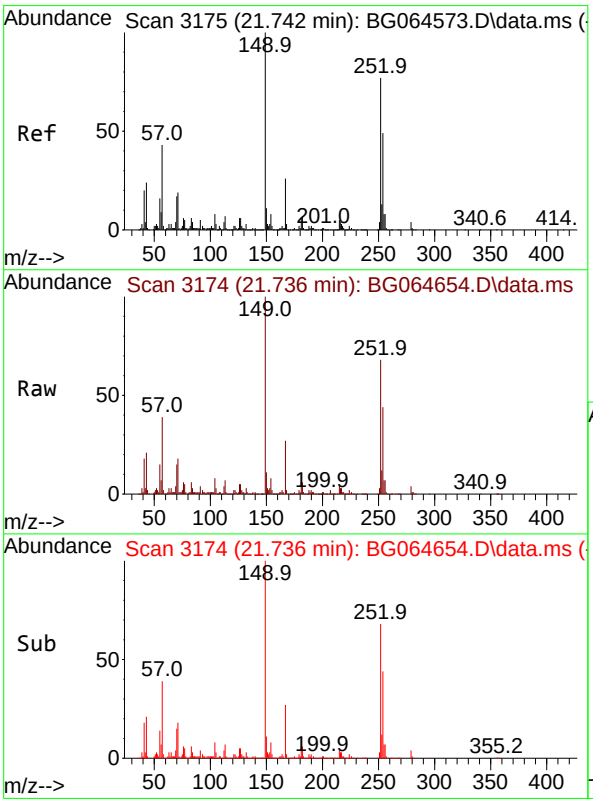
#81
Benzo(a)anthracene
Concen: 42.450 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 853793

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.9	32.9
229	19.5	15.6	23.4

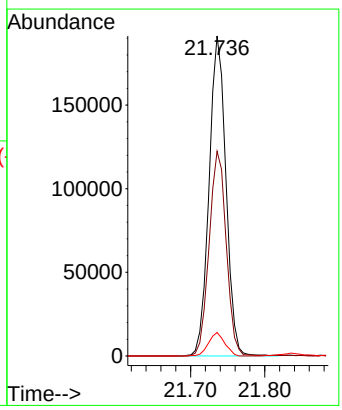


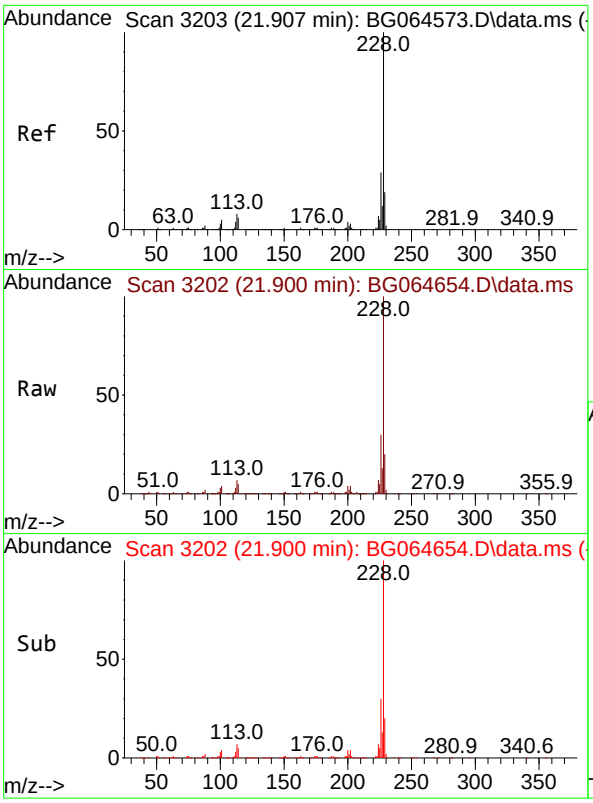


#82
3,3'-Dichlorobenzidine
Concen: 44.970 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:252 Resp: 302039

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.8	76.2
126	7.4	5.8	8.6



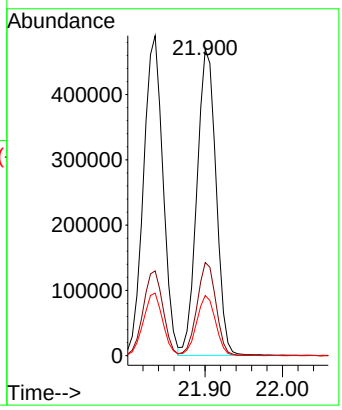


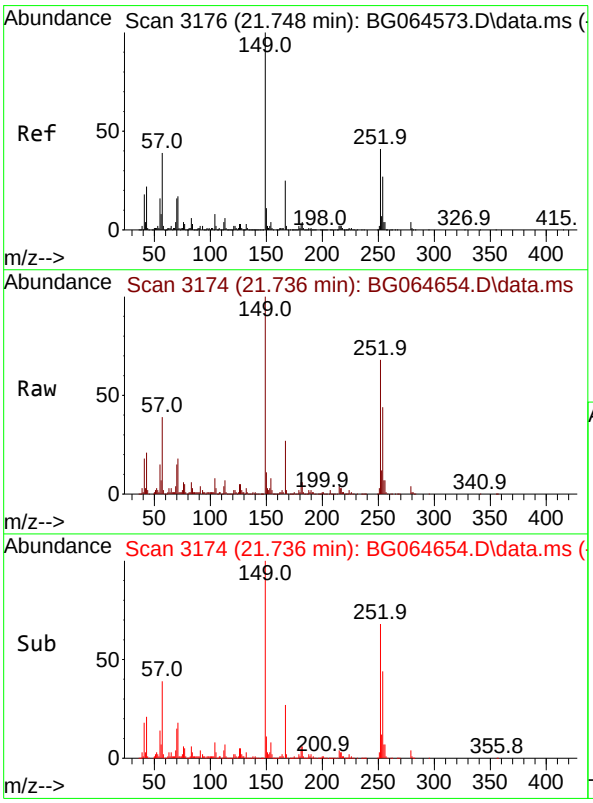
#83
Chrysene
Concen: 41.990 ng
RT: 21.900 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 803594

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.6	15.2	22.8

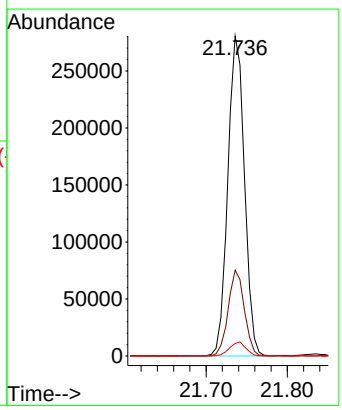


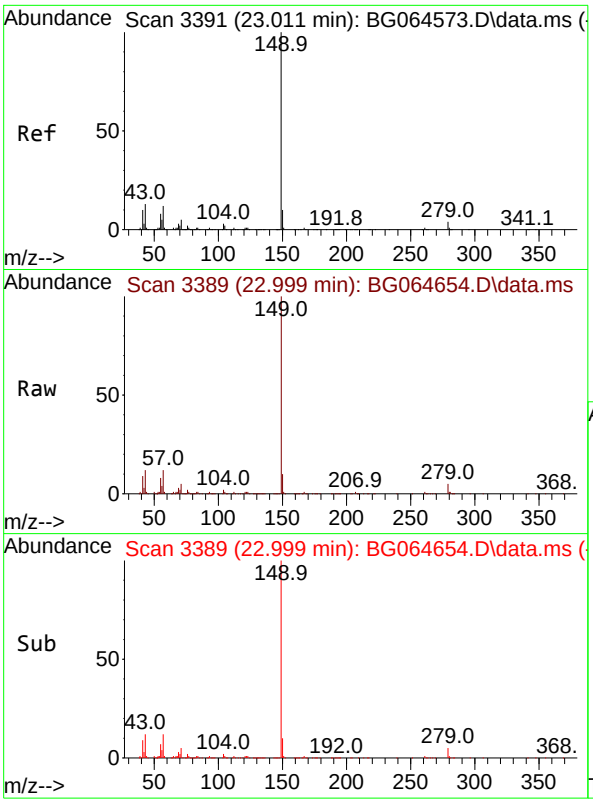


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.616 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.012 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:149 Resp: 399327

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.0	30.0
279	3.9	3.1	4.7



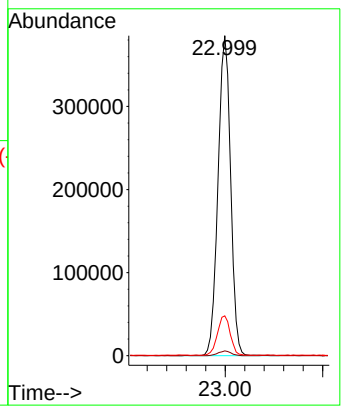


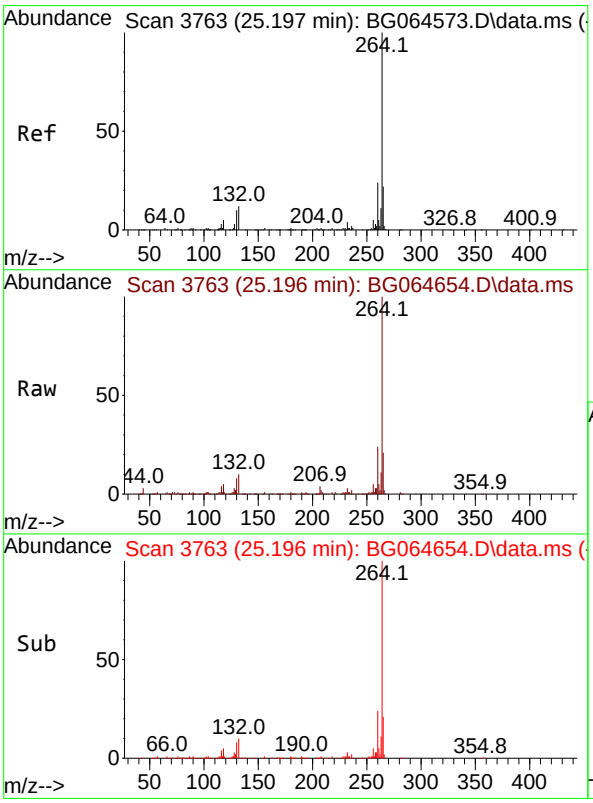
#85
Di-n-octyl phthalate
Concen: 45.860 ng
RT: 22.999 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 692038

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.6	10.8	16.2

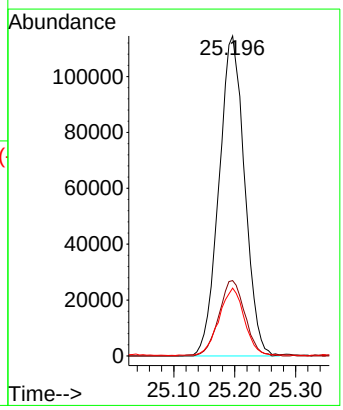


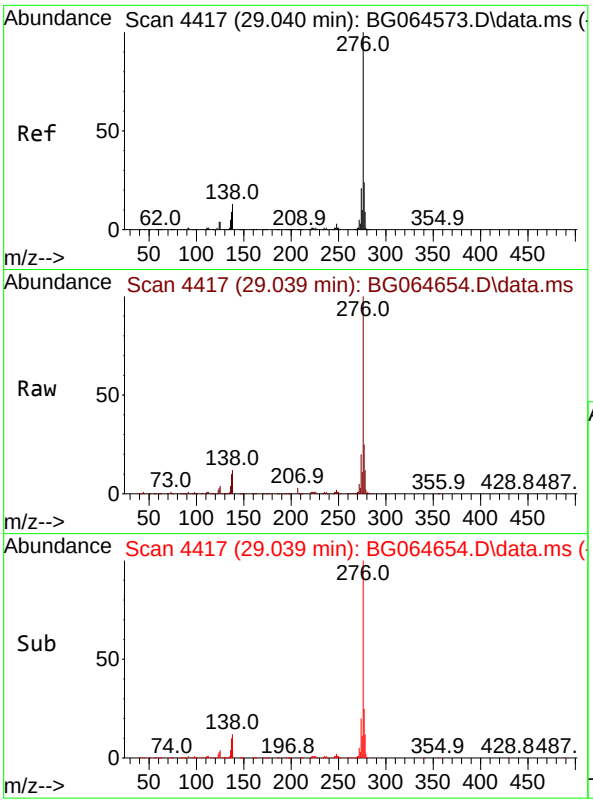


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.196 min Scan# 3763
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:264 Resp: 334065

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.2	17.6	26.4



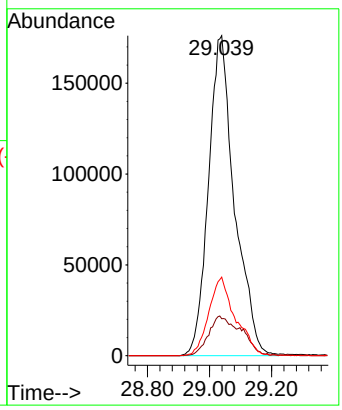


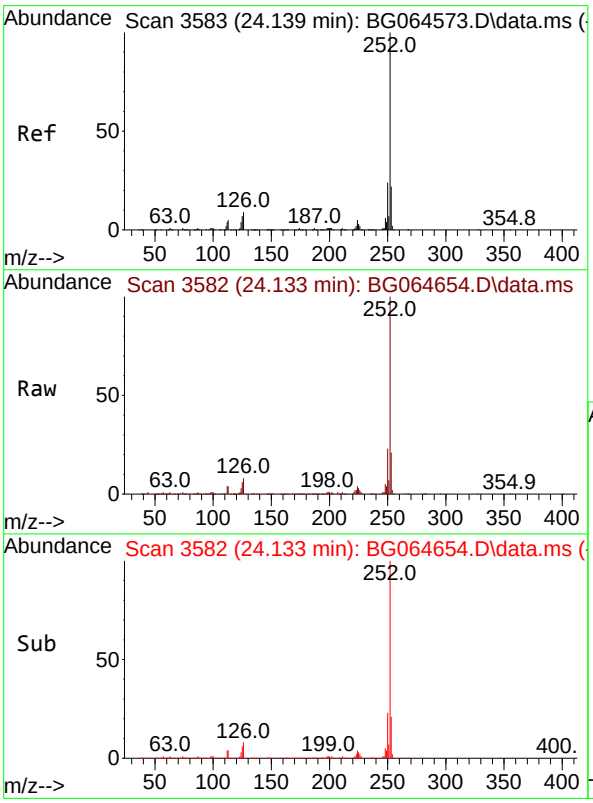
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.854 ng
RT: 29.039 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1028556

Ion	Ratio	Lower	Upper
276	100		
138	15.5	10.8	16.2
277	25.0	20.1	30.1

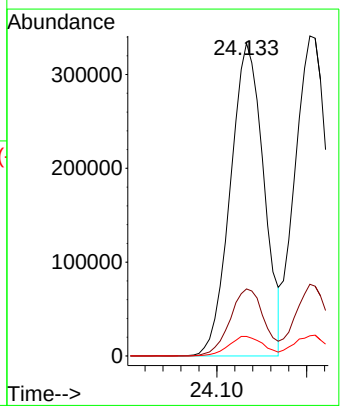


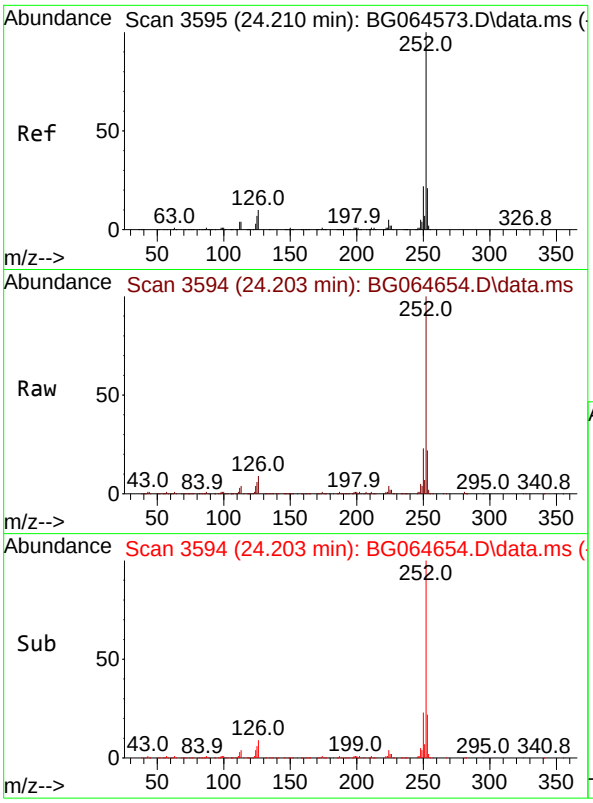


#88
Benzo(b)fluoranthene
Concen: 42.017 ng
RT: 24.133 min Scan# 3582
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:252 Resp: 860704

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	6.2	5.6	8.4



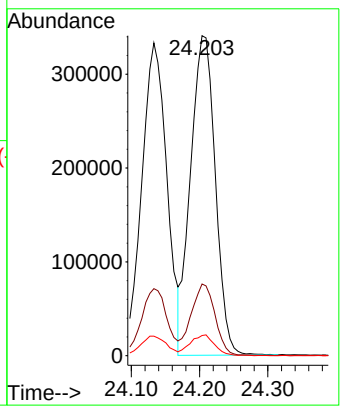


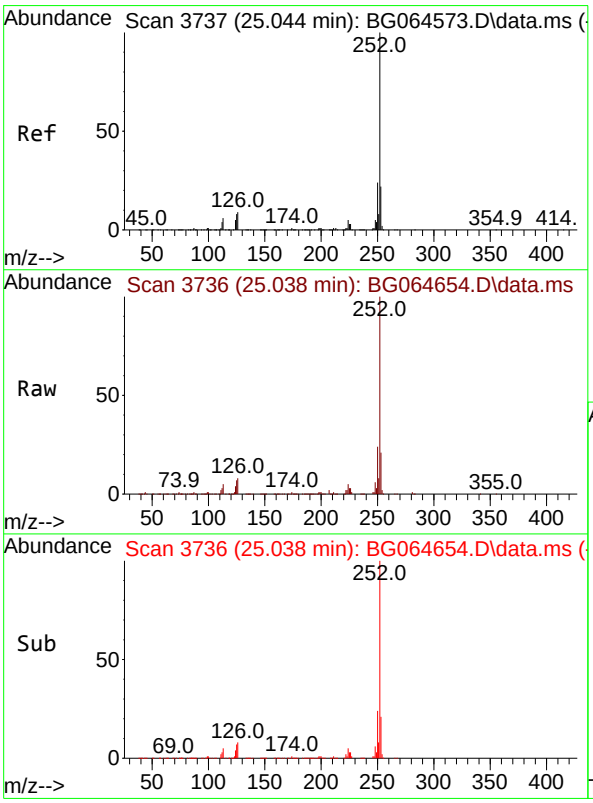
#89
Benzo(k)fluoranthene
Concen: 41.862 ng
RT: 24.203 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 858121

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.3	5.4	8.0

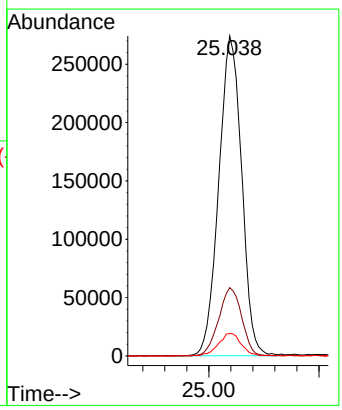


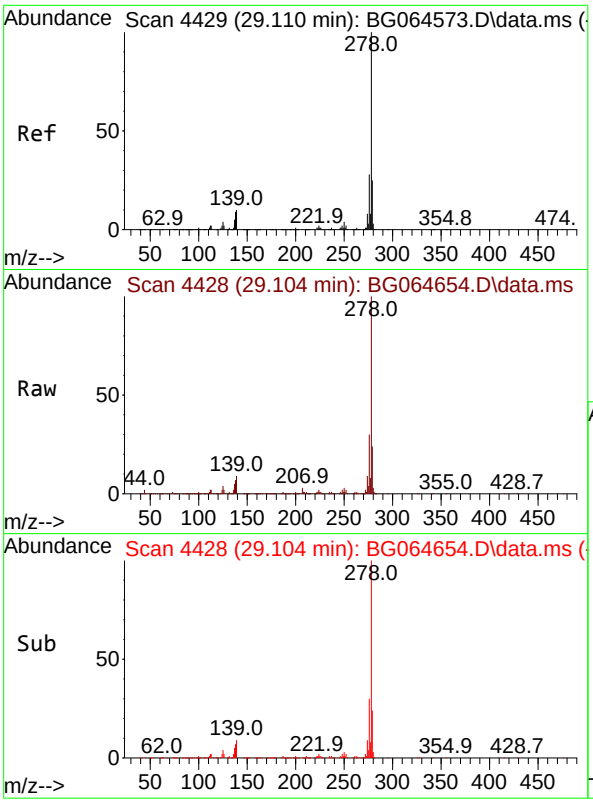


#90
Benzo(a)pyrene
Concen: 41.910 ng
RT: 25.038 min Scan# 3736
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:252 Resp: 789156

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	7.0	6.1	9.1



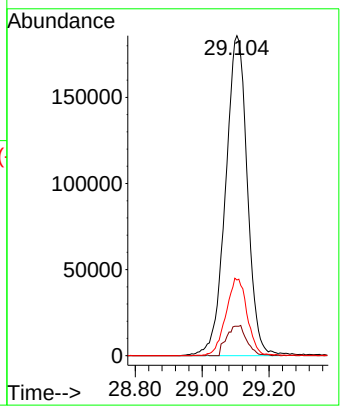


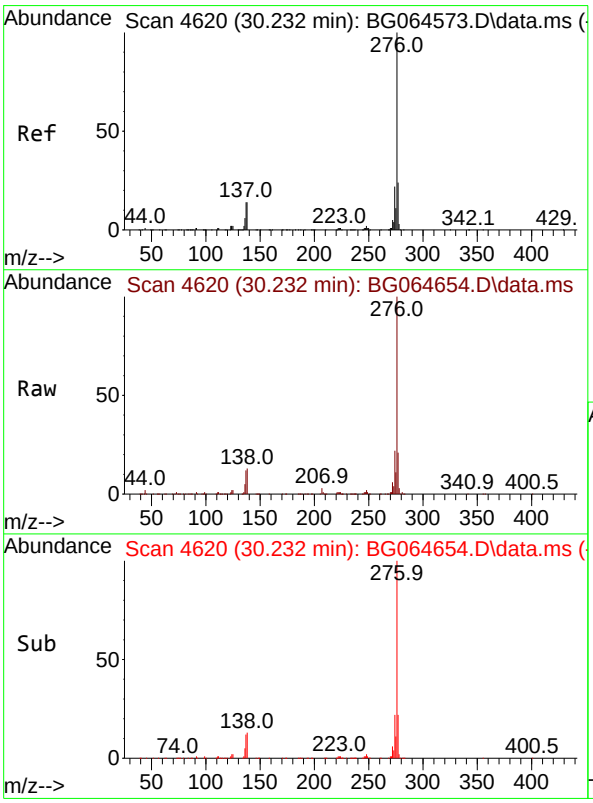
#91
Dibenzo(a,h)anthracene
Concen: 42.012 ng
RT: 29.104 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 838779

Ion	Ratio	Lower	Upper
278	100		
139	9.2	8.0	12.0
279	23.6	19.8	29.6

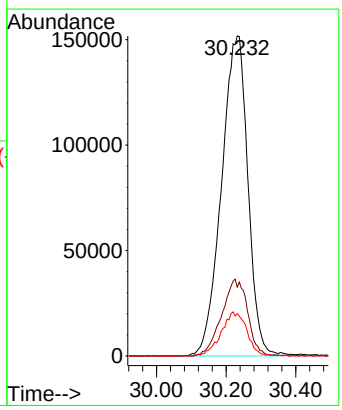




#92
Benzo(g,h,i)perylene
Concen: 41.797 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064654.D
Acq: 31 Oct 2025 13:24

Tgt Ion:276 Resp: 797168

Ion	Ratio	Lower	Upper
276	100		
277	21.5	19.1	28.7
138	13.2	11.3	16.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

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	74	0.00
2		1,4-Dioxane	0.528	0.542	-2.7	76	0.00
3		Pyridine	1.584	1.572	0.8	70	0.00
4		n-Nitrosodimethylamine	0.850	0.865	-1.8	71	0.00
5	S	2-Fluorophenol	1.192	1.264	-6.0	72	0.00
6		Aniline	2.225	2.298	-3.3	71	0.00
7	S	Phenol-d6	1.635	1.731	-5.9	72	0.00
8		2-Chlorophenol	1.247	1.415	-13.5	76	0.00
9		Benzaldehyde	0.893	1.004	-12.4	79	0.00
10	C	Phenol	1.808	1.889	-4.5	72	0.00
11		bis(2-Chloroethyl)ether	1.329	1.357	-2.1	73	0.00
12		1,3-Dichlorobenzene	1.435	1.540	-7.3	75	0.00
13	C	1,4-Dichlorobenzene	1.460	1.553	-6.4	75	0.00
14		1,2-Dichlorobenzene	1.408	1.508	-7.1	75	0.00
15		Benzyl Alcohol	1.348	1.467	-8.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.486	0.0	69	0.00
17		2-Methylphenol	1.201	1.282	-6.7	75	0.00
18		Hexachloroethane	0.512	0.562	-9.8	77	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.179	-4.3	71	0.00
20		3+4-Methylphenols	1.688	1.788	-5.9	73	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	74	0.00
22		Acetophenone	0.547	0.577	-5.5	73	0.00
23	S	Nitrobenzene-d5	0.333	0.422	-26.7#	83	0.00
24		Nitrobenzene	0.362	0.439	-21.3	79	0.00
25		Isophorone	0.799	0.850	-6.4	72	0.00
26	C	2-Nitrophenol	0.121	0.179	-47.9#	97	0.00
27		2,4-Dimethylphenol	0.297	0.320	-7.7	71	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.476	-4.6	72	0.00
29	C	2,4-Dichlorophenol	0.320	0.369	-15.3	76	0.00
30		1,2,4-Trichlorobenzene	0.363	0.391	-7.7	74	0.00
31		Naphthalene	1.109	1.162	-4.8	73	0.00
32		Benzoic acid	0.207	0.243	-17.4	80	-0.01
33		4-Chloroaniline	0.431	0.453	-5.1	73	0.00
34	C	Hexachlorobutadiene	0.284	0.312	-9.9	77	0.00
35		Caprolactam	0.123	0.135	-9.8	74	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.428	-11.5	74	0.00
37		2-Methylnaphthalene	0.814	0.868	-6.6	74	0.00
38		1-Methylnaphthalene	0.806	0.849	-5.3	73	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.718	-7.0	78	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.364	-20.5	85	0.00
42	S	2,4,6-Tribromophenol	0.289	0.369	-27.7#	88	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.465	-21.1#	83	0.00
44		2,4,5-Trichlorophenol	0.443	0.516	-16.5	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.388	-5.2	76	0.00
46		1,1'-Biphenyl	1.422	1.474	-3.7	75	0.00
47		2-Chloronaphthalene	1.073	1.118	-4.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

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	0.422	-35.7#	92	0.00
49		Acenaphthylene	1.693	1.769	-4.5	75	0.00
50		Dimethylphthalate	1.530	1.657	-8.3	77	0.00
51		2,6-Dinitrotoluene	0.218	0.300	-37.6#	92	0.00
52	C	Acenaphthene	1.157	1.252	-8.2	78	0.00
53		3-Nitroaniline	0.263	0.354	-34.6#	91	0.00
54	P	2,4-Dinitrophenol	0.132	0.207	-56.8#	115	0.00
55		Dibenzofuran	1.870	1.961	-4.9	76	0.00
56	P	4-Nitrophenol	0.244	0.316	-29.5#	92	0.00
57		2,4-Dinitrotoluene	0.340	0.487	-43.2#	96	0.00
58		Fluorene	1.460	1.563	-7.1	78	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.528	-24.5	86	0.00
60		Diethylphthalate	1.563	1.669	-6.8	77	0.00
61		4-Chlorophenyl-phenylether	0.820	0.888	-8.3	78	0.00
62		4-Nitroaniline	0.293	0.397	-35.5#	92	0.00
63		Azobenzene	1.434	1.488	-3.8	73	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.121	-53.2#	119	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.554	-2.6	78	0.00
67		4-Bromophenyl-phenylether	0.237	0.258	-8.9	81	0.00
68		Hexachlorobenzene	0.270	0.296	-9.6	83	0.00
69		Atrazine	0.232	0.243	-4.7	81	0.00
70	C	Pentachlorophenol	0.169	0.202	-19.5	91	0.00
71		Phenanthrene	1.094	1.147	-4.8	81	0.00
72		Anthracene	1.113	1.152	-3.5	79	0.00
73		Carbazole	0.981	1.034	-5.4	82	0.00
74		Di-n-butylphthalate	1.134	1.193	-5.2	79	0.00
75	C	Fluoranthene	1.370	1.478	-7.9	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77		Benzidine	0.448	0.545	-21.7	101	0.00
78		Pyrene	1.307	1.306	0.1	84	0.00
79	S	Terphenyl-d14	1.060	1.084	-2.3	86	0.00
80		Butylbenzylphthalate	0.395	0.453	-14.7	92	0.00
81		Benzo(a)anthracene	1.326	1.407	-6.1	91	0.00
82		3,3'-Dichlorobenzidine	0.443	0.498	-12.4	95	0.00
83		Chrysene	1.262	1.325	-5.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.658	-11.5	89	-0.01
85	c	Di-n-octyl phthalate	0.995	1.141	-14.7	96	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.539	-4.6	93	0.00
88		Benzo(b)fluoranthene	1.226	1.288	-5.1	93	0.00
89		Benzo(k)fluoranthene	1.227	1.284	-4.6	95	0.00
90	C	Benzo(a)pyrene	1.127	1.181	-4.8	94	0.00
91		Dibenzo(a,h)anthracene	1.195	1.255	-5.0	94	0.00
92		Benzo(g,h,i)perylene	1.142	1.193	-4.5	94	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

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	74	0.00
2		1,4-Dioxane	40.000	41.086	-2.7	76	0.00
3		Pyridine	40.000	39.685	0.8	70	0.00
4		n-Nitrosodimethylamine	40.000	40.742	-1.9	71	0.00
5	S	2-Fluorophenol	80.000	84.884	-6.1	72	0.00
6		Aniline	40.000	41.310	-3.3	71	0.00
7	S	Phenol-d6	80.000	84.671	-5.8	72	0.00
8		2-Chlorophenol	40.000	45.394	-13.5	76	0.00
9		Benzaldehyde	40.000	44.971	-12.4	79	0.00
10	C	Phenol	40.000	41.792	-4.5	72	0.00
11		bis(2-Chloroethyl)ether	40.000	40.817	-2.0	73	0.00
12		1,3-Dichlorobenzene	40.000	42.911	-7.3	75	0.00
13	C	1,4-Dichlorobenzene	40.000	42.569	-6.4	75	0.00
14		1,2-Dichlorobenzene	40.000	42.840	-7.1	75	0.00
15		Benzyl Alcohol	40.000	43.527	-8.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.984	0.0	69	0.00
17		2-Methylphenol	40.000	42.723	-6.8	75	0.00
18		Hexachloroethane	40.000	43.896	-9.7	77	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.746	-4.4	71	0.00
20		3+4-Methylphenols	40.000	42.362	-5.9	73	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	74	0.00
22		Acetophenone	40.000	42.188	-5.5	73	0.00
23	S	Nitrobenzene-d5	80.000	101.448	-26.8#	83	0.00
24		Nitrobenzene	40.000	48.433	-21.1	79	0.00
25		Isophorone	40.000	42.559	-6.4	72	0.00
26	C	2-Nitrophenol	40.000	50.996	-27.5#	97	0.00
27		2,4-Dimethylphenol	40.000	43.051	-7.6	71	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.876	-4.7	72	0.00
29	C	2,4-Dichlorophenol	40.000	46.132	-15.3	76	0.00
30		1,2,4-Trichlorobenzene	40.000	43.070	-7.7	74	0.00
31		Naphthalene	40.000	41.902	-4.8	73	0.00
32		Benzoic acid	40.000	43.506	-8.8	80	-0.01
33		4-Chloroaniline	40.000	42.073	-5.2	73	0.00
34	C	Hexachlorobutadiene	40.000	43.856	-9.6	77	0.00
35		Caprolactam	40.000	44.014	-10.0	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.546	-11.4	74	0.00
37		2-Methylnaphthalene	40.000	42.641	-6.6	74	0.00
38		1-Methylnaphthalene	40.000	42.113	-5.3	73	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	76	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.781	-7.0	78	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.153	-20.4	85	0.00
42	S	2,4,6-Tribromophenol	80.000	102.353	-27.9#	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	48.476	-21.2#	83	0.00
44		2,4,5-Trichlorophenol	40.000	46.620	-16.5	81	0.00
45	S	2-Fluorobiphenyl	80.000	84.147	-5.2	76	0.00
46		1,1'-Biphenyl	40.000	41.458	-3.6	75	0.00
47		2-Chloronaphthalene	40.000	41.677	-4.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

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	46.901	-17.3	92	0.00
49		Acenaphthylene	40.000	41.810	-4.5	75	0.00
50		Dimethylphthalate	40.000	43.311	-8.3	77	0.00
51		2,6-Dinitrotoluene	40.000	47.570	-18.9	92	0.00
52	C	Acenaphthene	40.000	43.306	-8.3	78	0.00
53		3-Nitroaniline	40.000	53.795	-34.5#	91	0.00
54	P	2,4-Dinitrophenol	40.000	55.180	-38.0#	115	0.00
55		Dibenzofuran	40.000	41.947	-4.9	76	0.00
56	P	4-Nitrophenol	40.000	51.918	-29.8#	92	0.00
57		2,4-Dinitrotoluene	40.000	49.783	-24.5	96	0.00
58		Fluorene	40.000	42.824	-7.1	78	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	49.820	-24.6	86	0.00
60		Diethylphthalate	40.000	42.720	-6.8	77	0.00
61		4-Chlorophenyl-phenylether	40.000	43.354	-8.4	78	0.00
62		4-Nitroaniline	40.000	54.295	-35.7#	92	0.00
63		Azobenzene	40.000	41.508	-3.8	73	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	40.000	54.019	-35.0#	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.047	-2.6	78	0.00
67		4-Bromophenyl-phenylether	40.000	43.477	-8.7	81	0.00
68		Hexachlorobenzene	40.000	43.724	-9.3	83	0.00
69		Atrazine	40.000	41.856	-4.6	81	0.00
70	C	Pentachlorophenol	40.000	47.836	-19.6	91	0.00
71		Phenanthrene	40.000	41.963	-4.9	81	0.00
72		Anthracene	40.000	41.417	-3.5	79	0.00
73		Carbazole	40.000	42.151	-5.4	82	0.00
74		Di-n-butylphthalate	40.000	42.063	-5.2	79	0.00
75	C	Fluoranthene	40.000	43.143	-7.9	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77		Benzidine	40.000	48.641	-21.6	101	0.00
78		Pyrene	40.000	39.970	0.1	84	0.00
79	S	Terphenyl-d14	80.000	81.837	-2.3	86	0.00
80		Butylbenzylphthalate	40.000	45.886	-14.7	92	0.00
81		Benzo(a)anthracene	40.000	42.450	-6.1	91	0.00
82		3,3'-Dichlorobenzidine	40.000	44.970	-12.4	95	0.00
83		Chrysene	40.000	41.990	-5.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.616	-11.5	89	-0.01
85	c	Di-n-octyl phthalate	40.000	45.860	-14.6	96	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.854	-4.6	93	0.00
88		Benzo(b)fluoranthene	40.000	42.017	-5.0	93	0.00
89		Benzo(k)fluoranthene	40.000	41.862	-4.7	95	0.00
90	C	Benzo(a)pyrene	40.000	41.910	-4.8	94	0.00
91		Dibenzo(a,h)anthracene	40.000	42.012	-5.0	94	0.00
92		Benzo(g,h,i)perylene	40.000	41.797	-4.5	94	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 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

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 = 2

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_P Calibration Date/Time: 10/30/2025 11:15

Lab File ID: BP026039.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.453	1.480		1.9	
2-Fluorophenol	1.212	1.236		2.0	
Phenol-d6	1.543	1.568		1.6	
1,4-Dichlorobenzene	1.558	1.571		0.8	20.0
2-Methylphenol	1.121	1.140		1.7	
3+4-Methylphenols	1.560	1.546		-0.9	
Nitrobenzene-d5	0.321	0.339		5.6	
Hexachloroethane	0.533	0.539		1.1	
Nitrobenzene	0.339	0.357		5.3	
Hexachlorobutadiene	0.211	0.216		2.4	20.0
2,4,6-Trichlorophenol	0.367	0.385		4.9	20.0
2-Fluorobiphenyl	1.392	1.414		1.6	
2,4,5-Trichlorophenol	0.419	0.437		4.3	
2,4-Dinitrotoluene	0.347	0.384		10.7	
2,4,6-Tribromophenol	0.216	0.226		4.6	
Hexachlorobenzene	0.253	0.256		1.2	
Pentachlorophenol	0.154	0.151		-1.9	20.0
Terphenyl-d14	0.984	0.998		1.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	280604	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1128649	20.000	ng	0.00
39) Acenaphthene-d10	14.307	164	707800	20.000	ng	-0.01
64) Phenanthrene-d10	17.119	188	1418803	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1511217	20.000	ng	0.01
86) Perylene-d12	24.901	264	1625760	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1387183	81.574	ng	0.00
7) Phenol-d6	6.849	99	1759757	81.303	ng	0.00
23) Nitrobenzene-d5	8.819	82	1530296	84.525	ng	0.00
42) 2,4,6-Tribromophenol	15.825	330	638841	83.487	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4004406	81.295	ng	-0.01
79) Terphenyl-d14	19.860	244	6035163	81.137	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	294706	41.109	ng	99
3) Pyridine	3.625	79	830810	40.767	ng	99
4) n-Nitrosodimethylamine	3.537	42	327688	40.119	ng	99
6) Aniline	7.013	93	1165590	40.350	ng	100
8) 2-Chlorophenol	7.249	128	761619	40.445	ng	98
9) Benzaldehyde	6.825	77	434004	38.573	ng	98
10) Phenol	6.878	94	969129	40.331	ng	99
11) bis(2-Chloroethyl)ether	7.108	93	761692	40.166	ng	99
12) 1,3-Dichlorobenzene	7.572	146	874339	40.430	ng	100
13) 1,4-Dichlorobenzene	7.713	146	881775	40.328	ng	99
14) 1,2-Dichlorobenzene	8.025	146	840270	40.273	ng	99
15) Benzyl Alcohol	7.913	79	611235	39.172	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1129141	39.397	ng	99
17) 2-Methylphenol	8.107	107	639558	40.646	ng	99
18) Hexachloroethane	8.755	117	302447	40.423	ng	98
19) n-Nitroso-di-n-propyla...	8.478	70	551327	41.034	ng	100
20) 3+4-Methylphenols	8.431	107	867573	39.634	ng	99
22) Acetophenone	8.484	105	1158478	40.585	ng	100
24) Nitrobenzene	8.860	77	805808	42.154	ng	99
25) Isophorone	9.384	82	1565736	40.404	ng	99
26) 2-Nitrophenol	9.566	139	270435	38.969	ng	96
27) 2,4-Dimethylphenol	9.625	122	664927	40.803	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	992102	40.623	ng	100
29) 2,4-Dichlorophenol	10.096	162	716320	41.631	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	770124	41.179	ng	99
31) Naphthalene	10.502	128	2517121	40.897	ng	100
32) Benzoic acid	9.737	122	340315	37.627	ng	93
33) 4-Chloroaniline	10.596	127	985002	41.648	ng	99
34) Hexachlorobutadiene	10.796	225	488259	41.083	ng	99
35) Caprolactam	11.349	113	242516	40.137	ng	95
36) 4-Chloro-3-methylphenol	11.719	107	748192	41.480	ng	98
37) 2-Methylnaphthalene	12.107	142	1749924	40.623	ng	99
38) 1-Methylnaphthalene	12.331	142	1713086	40.934	ng	100
40) 1,2,4,5-Tetrachloroben...	12.484	216	900603	40.951	ng	99
41) Hexachlorocyclopentadiene	12.472	237	308571	38.348	ng	97
43) 2,4,6-Trichlorophenol	12.719	196	544851	41.914	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	618469	41.696	ng	97
46) 1,1'-Biphenyl	13.131	154	2189844	40.406	ng	99
47) 2-Chloronaphthalene	13.172	162	1727355	40.509	ng	99
48) 2-Nitroaniline	13.366	65	416997	38.606	ng	97
49) Acenaphthylene	14.025	152	2545640	40.959	ng	100
50) Dimethylphthalate	13.760	163	2083950	40.477	ng	100
51) 2,6-Dinitrotoluene	13.872	165	369131	38.999	ng	97
52) Acenaphthene	14.372	154	1751906	41.060	ng	100
53) 3-Nitroaniline	14.201	138	458705	40.012	ng	97
54) 2,4-Dinitrophenol	14.407	184	132236	38.351	ng	96
55) Dibenzofuran	14.713	168	2612023	40.520	ng	100
56) 4-Nitrophenol	14.507	139	387193	37.715	ng	99
57) 2,4-Dinitrotoluene	14.666	165	543018	39.067	ng	97
58) Fluorene	15.378	166	2047888	40.550	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.942	232	486362	41.703	ng	100
60) Diethylphthalate	15.160	149	2057780	39.757	ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	1004103	39.813	ng	98
62) 4-Nitroaniline	15.378	138	484176	44.010	ng	98
63) Azobenzene	15.672	77	1909013	40.697	ng	100
65) 4,6-Dinitro-2-methylph...	15.442	198	208024	38.703	ng	100
66) n-Nitrosodiphenylamine	15.589	169	1773887	39.988	ng	99
67) 4-Bromophenyl-phenylether	16.289	248	630337	40.051	ng	99
68) Hexachlorobenzene	16.407	284	726440	40.547	ng	100
69) Atrazine	16.578	200	593858	39.684	ng	98
70) Pentachlorophenol	16.754	266	429716	39.267	ng	99
71) Phenanthrene	17.166	178	3349295	40.558	ng	100
72) Anthracene	17.254	178	3324791	40.616	ng	100
73) Carbazole	17.536	167	3170495	40.916	ng	100
74) Di-n-butylphthalate	18.154	149	3468314	40.001	ng	100
75) Fluoranthene	19.260	202	3898871	40.473	ng	99
77) Benzidine	19.448	184	1503860	39.205	ng	100
78) Pyrene	19.636	202	4160171	40.702	ng	100
80) Butylbenzylphthalate	20.607	149	1323012	35.613	ng	100
81) Benzo(a)anthracene	21.560	228	4241528	40.844	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	1343349	40.149	ng	100
83) Chrysene	21.624	228	3991308	40.574	ng	100
84) Bis(2-ethylhexyl)phtha...	21.530	149	2163572	36.199	ng	100
85) Di-n-octyl phthalate	22.819	149	3303174	36.718	ng	100
87) Indeno(1,2,3-cd)pyrene	28.671	276	5019364m	41.819	ng	
88) Benzo(b)fluoranthene	23.848	252	4231748	41.929	ng	99
89) Benzo(k)fluoranthene	23.924	252	4233673	41.079	ng	99
90) Benzo(a)pyrene	24.754	252	3870587	41.745	ng	99
91) Dibenzo(a,h)anthracene	28.789	278	4102608	42.003	ng	100
92) Benzo(g,h,i)perylene	29.842	276	3910516	41.605	ng	99

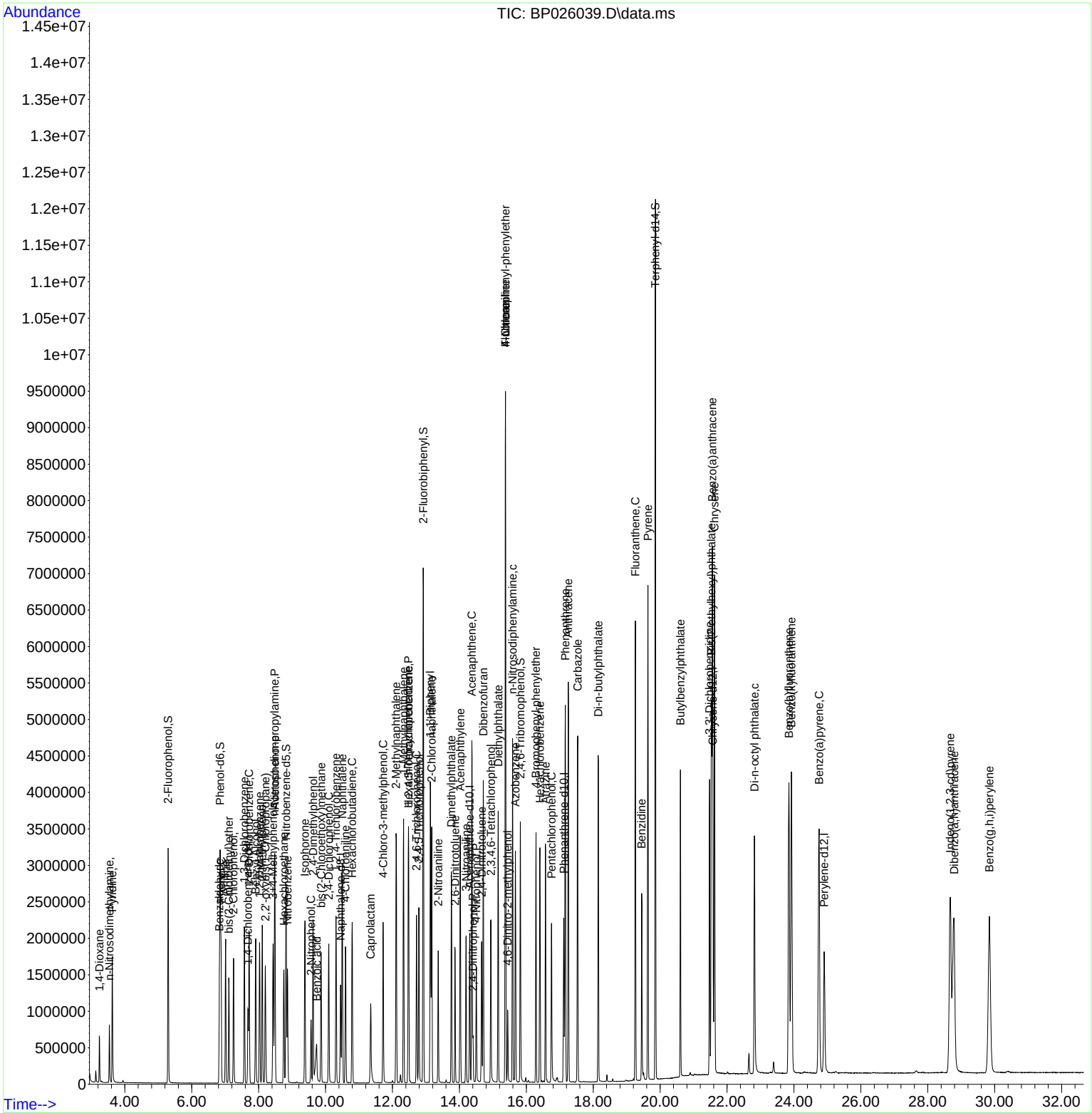
(#) = qualifier out of range (m) = manual integration (+) = signals summed

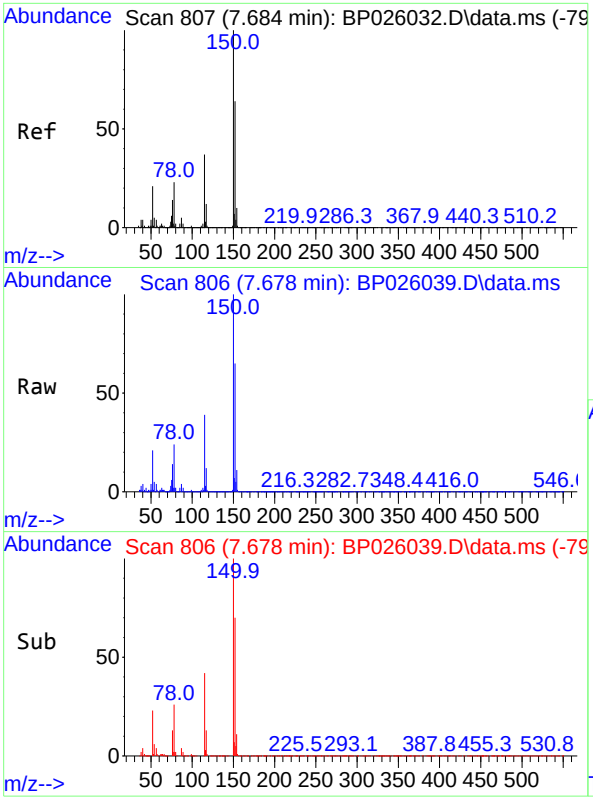
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

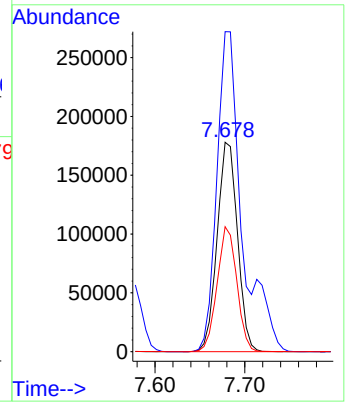




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:152 Resp: 28060

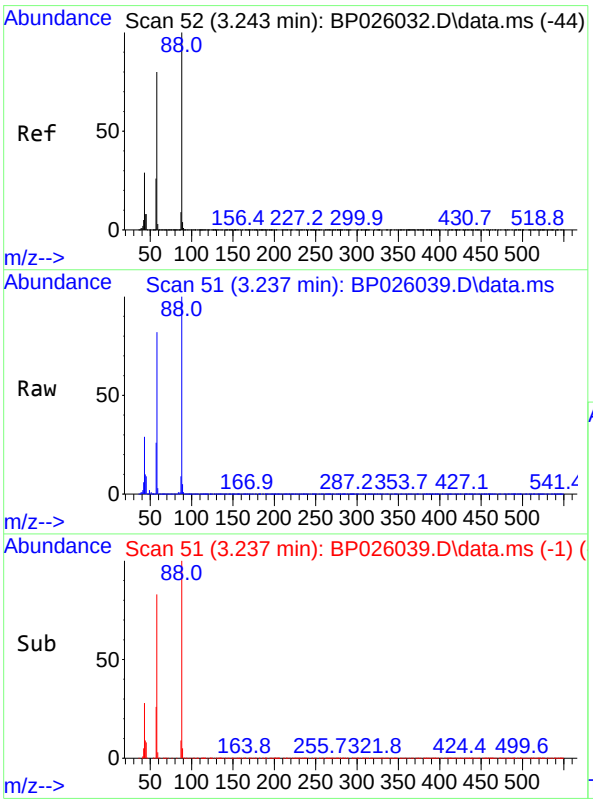
Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.7	188.5
115	59.7	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

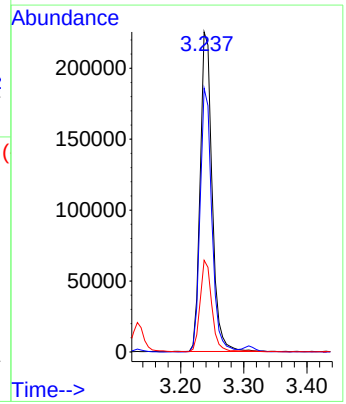
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

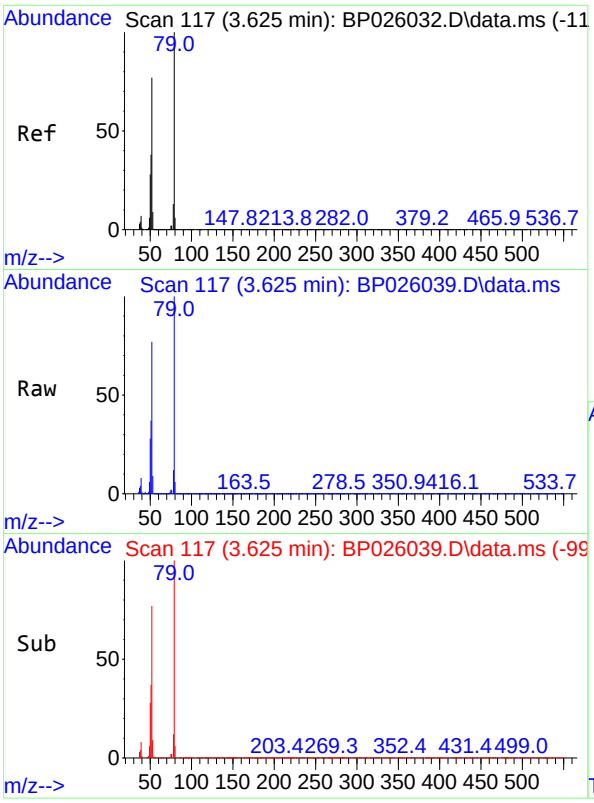


#2
1,4-Dioxane
Concen: 41.109 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 88 Resp: 294706

Ion	Ratio	Lower	Upper
88	100		
58	81.0	65.4	98.0
43	28.0	23.1	34.7

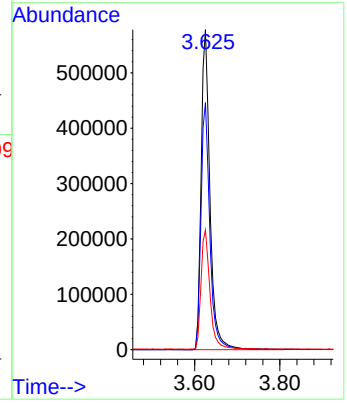




#3
Pyridine
Concen: 40.767 ng
RT: 3.625 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 79 Resp: 83081

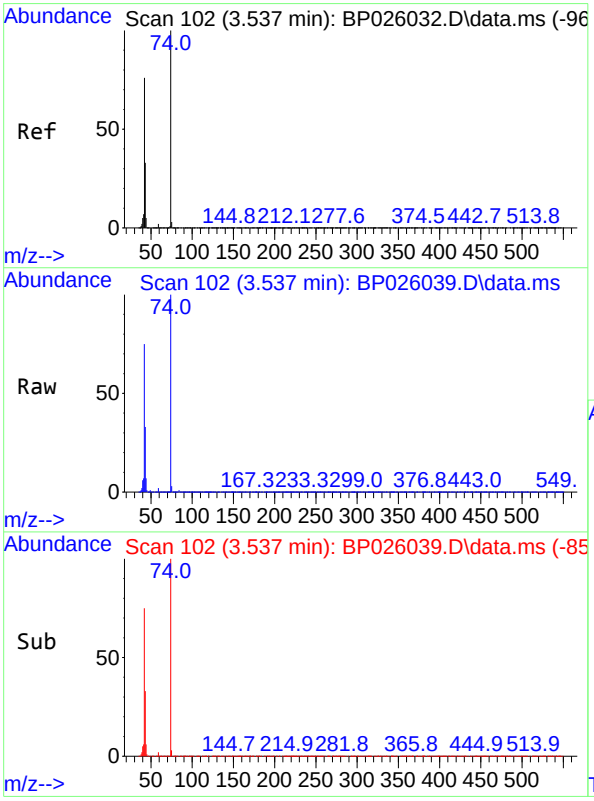
Ion	Ratio	Lower	Upper
79	100		
52	77.2	62.0	93.0
51	37.4	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

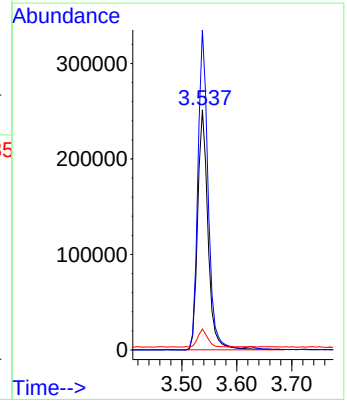
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

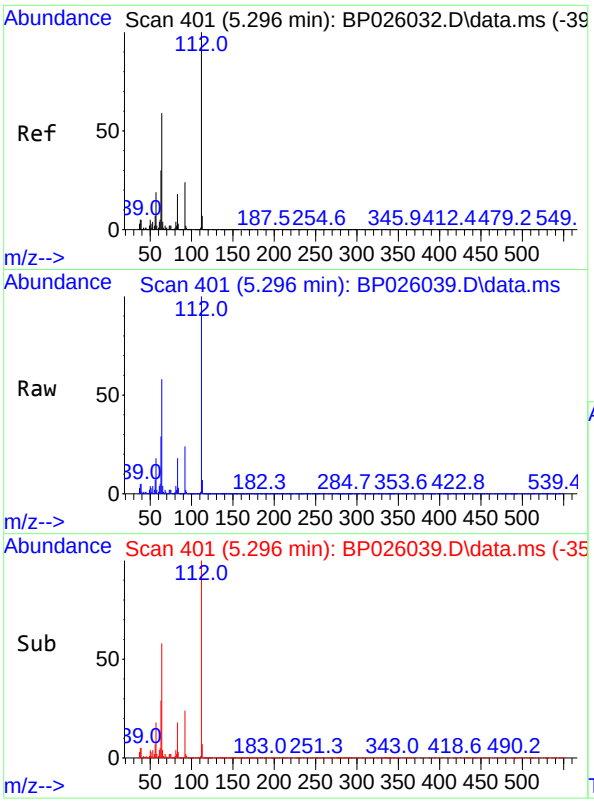


#4
n-Nitrosodimethylamine
Concen: 40.119 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 42 Resp: 327688

Ion	Ratio	Lower	Upper
42	100		
74	133.2	105.7	158.5
44	8.7	6.6	9.8

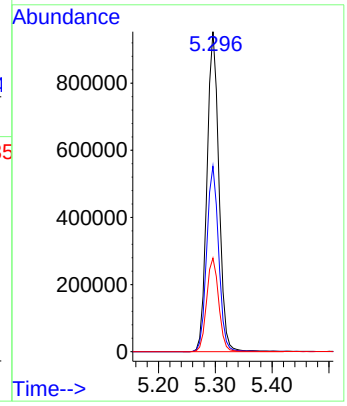




#5
2-Fluorophenol
Concen: 81.574 ng
RT: 5.296 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:112 Resp: 138718

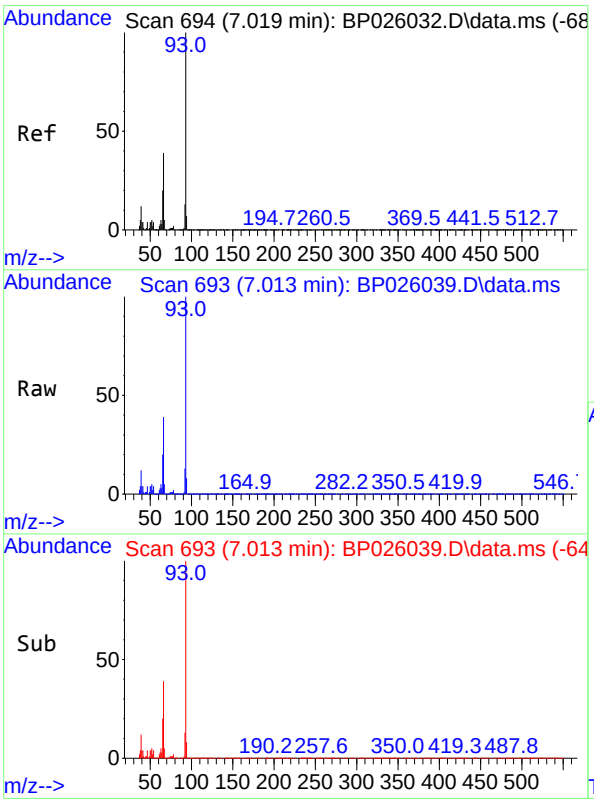
Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.4	71.2
63	29.2	24.2	36.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

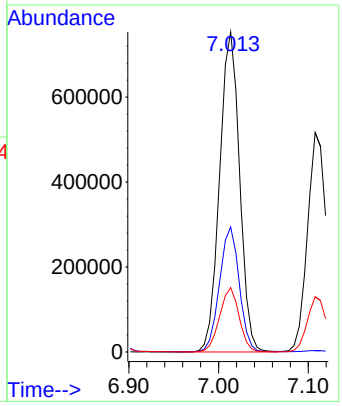
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

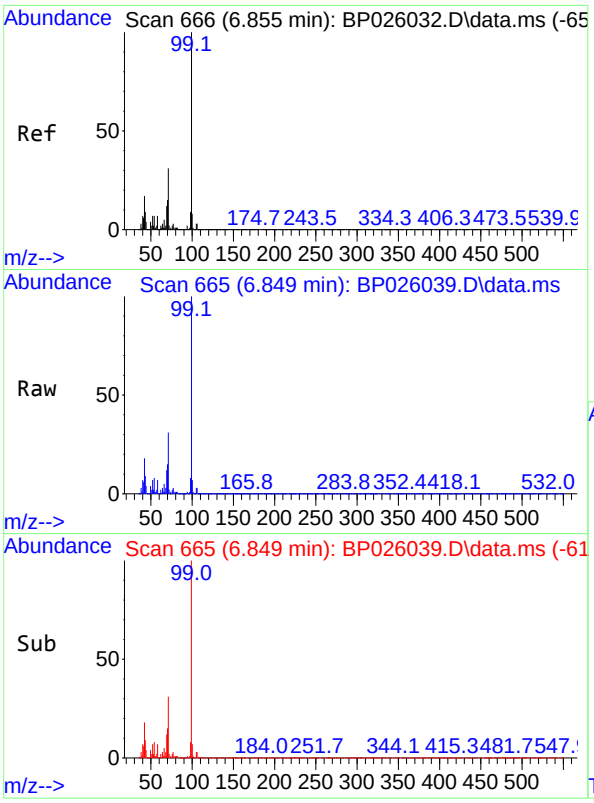


#6
Aniline
Concen: 40.350 ng
RT: 7.013 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 93 Resp: 1165590

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.2	46.8
65	20.1	16.1	24.1

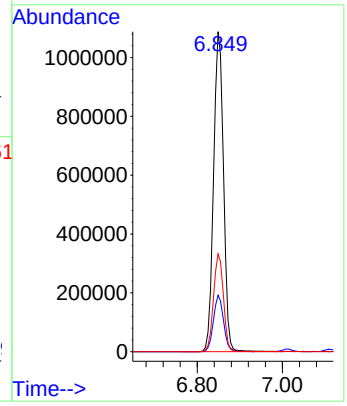




#7
Phenol-d6
Concen: 81.303 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 99 Resp: 175975

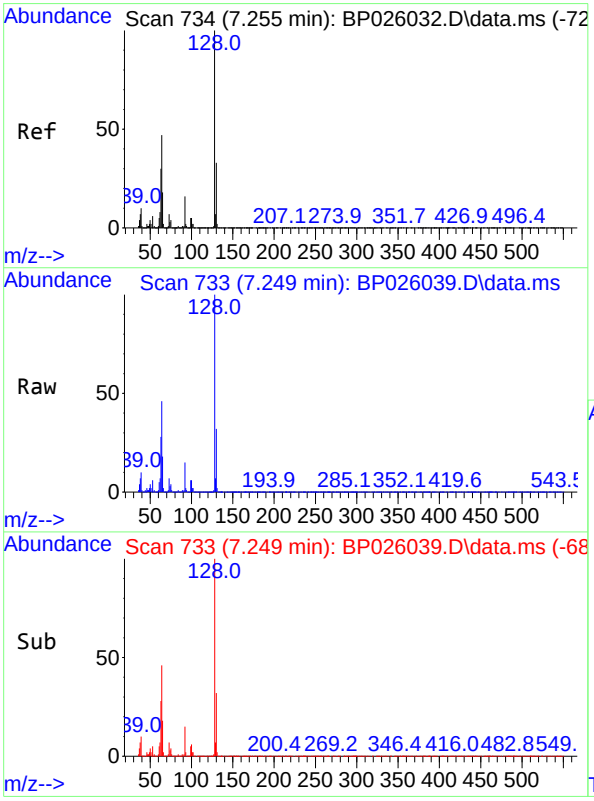
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	30.6	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

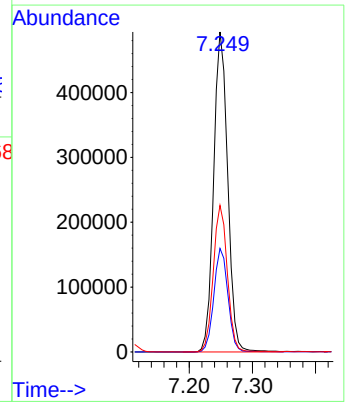
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

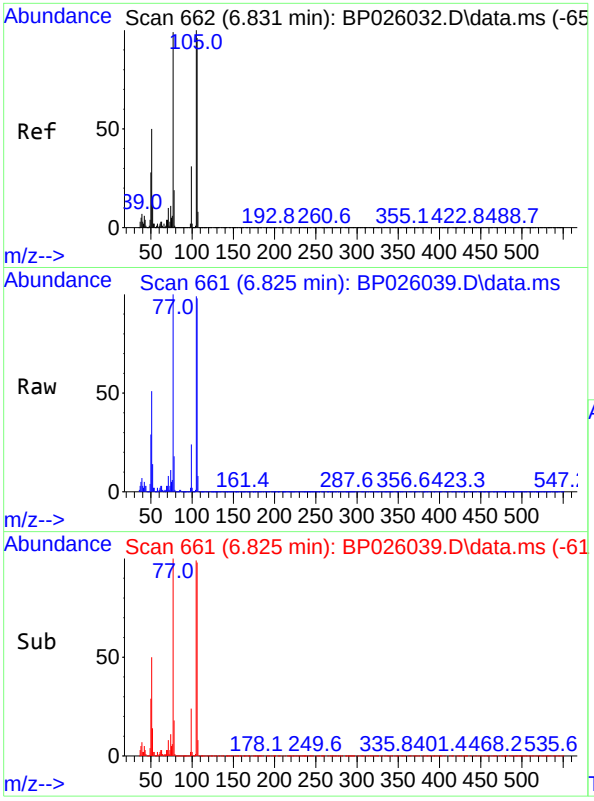


#8
2-Chlorophenol
Concen: 40.445 ng
RT: 7.249 min Scan# 733
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:128 Resp: 761619

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.7	52.7
64	45.8	27.4	67.4

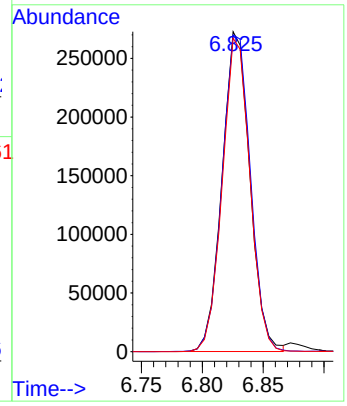




#9
Benzaldehyde
Concen: 38.573 ng
RT: 6.825 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 77 Resp: 43400

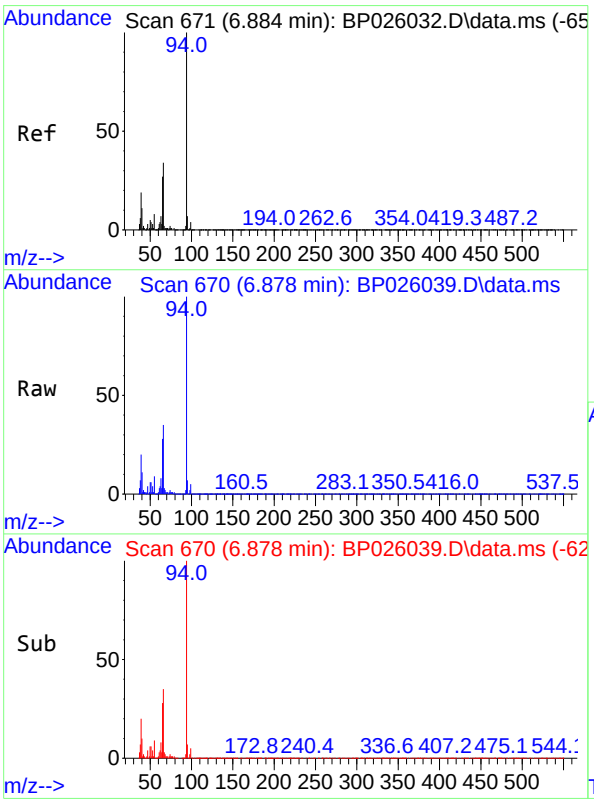
Ion	Ratio	Lower	Upper
77	100		
105	99.0	80.7	120.7
106	97.9	76.5	116.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

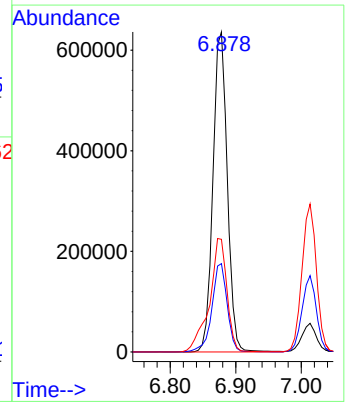
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

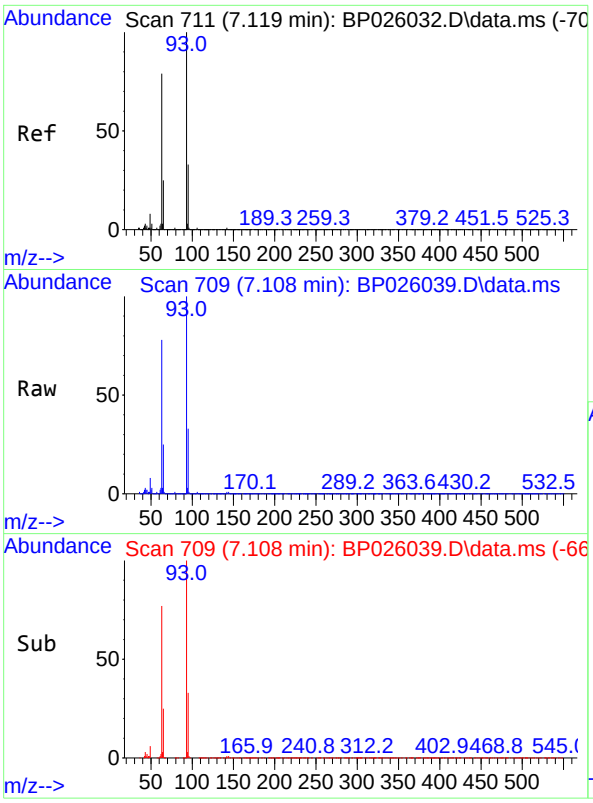


#10
Phenol
Concen: 40.331 ng
RT: 6.878 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 94 Resp: 969129

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.1	47.1
66	35.2	14.4	54.4

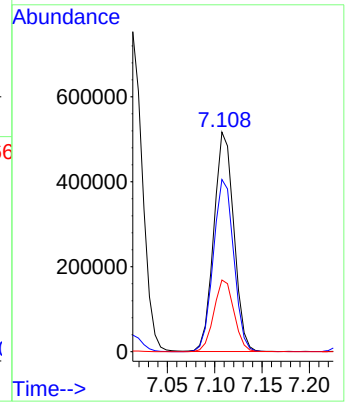




#11
bis(2-Chloroethyl)ether
Concen: 40.166 ng
RT: 7.108 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

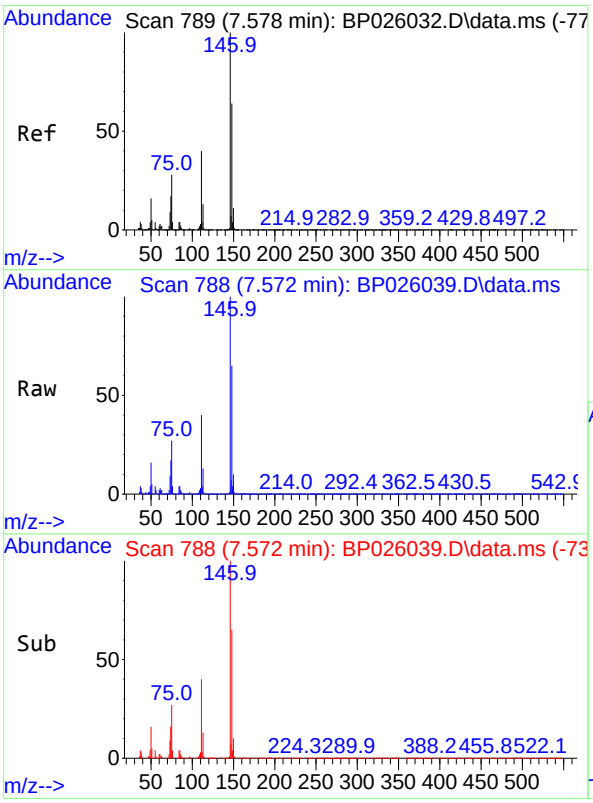
Tgt Ion: 93 Resp: 76169

Ion	Ratio	Lower	Upper
93	100		
63	78.4	59.1	99.1
95	32.7	12.6	52.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

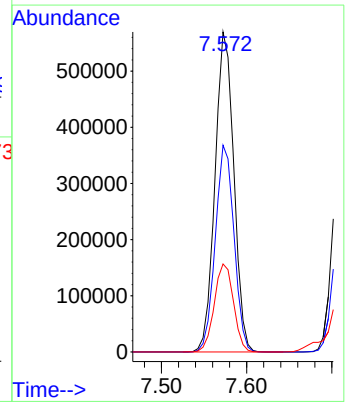
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

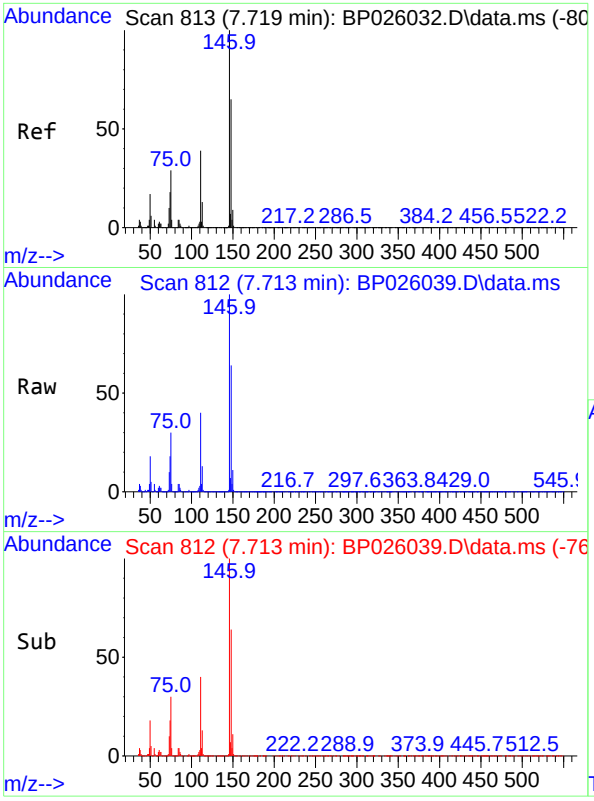


#12
1,3-Dichlorobenzene
Concen: 40.430 ng
RT: 7.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:146 Resp: 874339

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	27.5	22.6	33.8

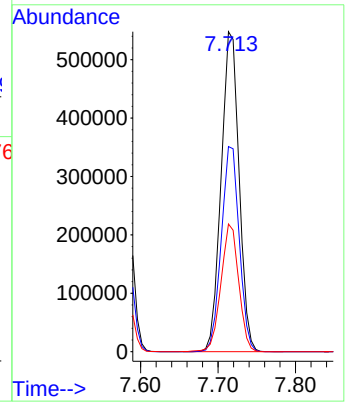




#13
1,4-Dichlorobenzene
Concen: 40.328 ng
RT: 7.713 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:146 Resp: 88177

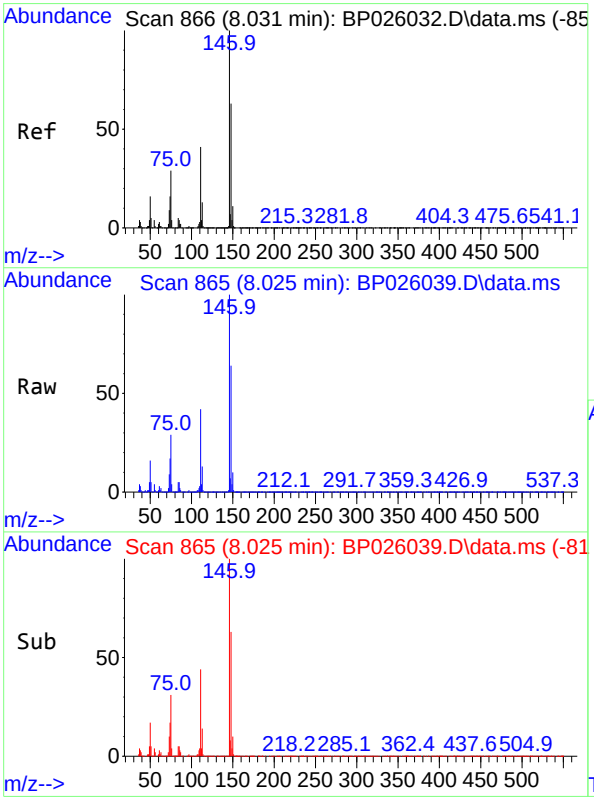
Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.2	78.2
111	39.9	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

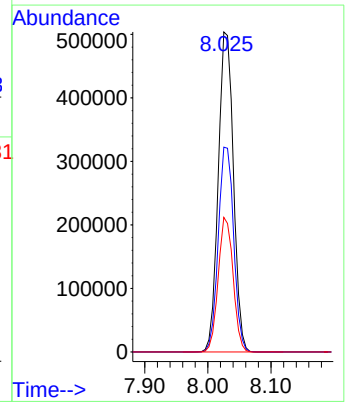
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

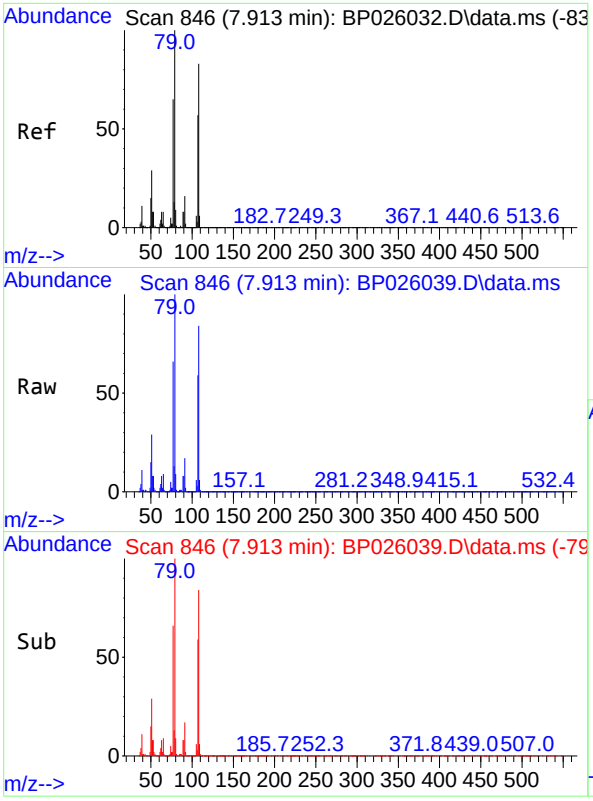


#14
1,2-Dichlorobenzene
Concen: 40.273 ng
RT: 8.025 min Scan# 865
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:146 Resp: 840270

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	42.1	33.0	49.4





#15
Benzyl Alcohol
Concen: 39.172 ng
RT: 7.913 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

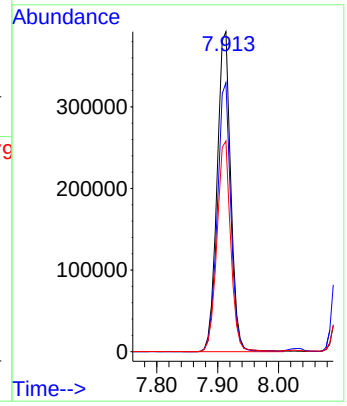
Tgt Ion: 79 Resp: 61123

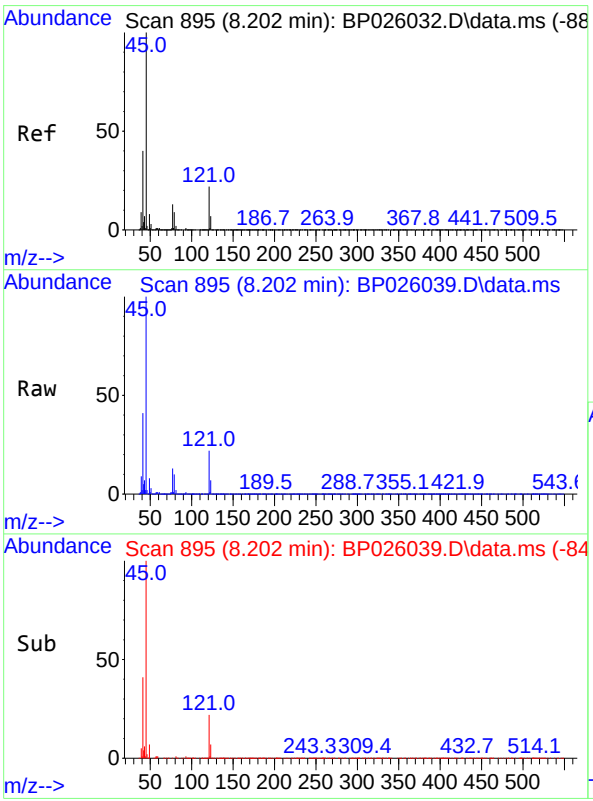
Ion	Ratio	Lower	Upper
79	100		
108	84.1	66.0	99.0
77	65.8	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

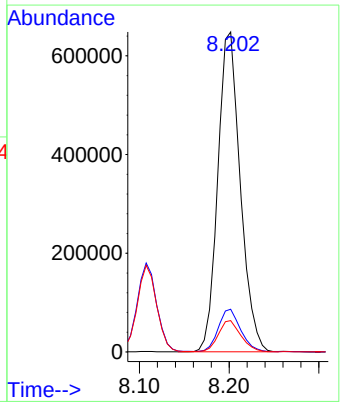


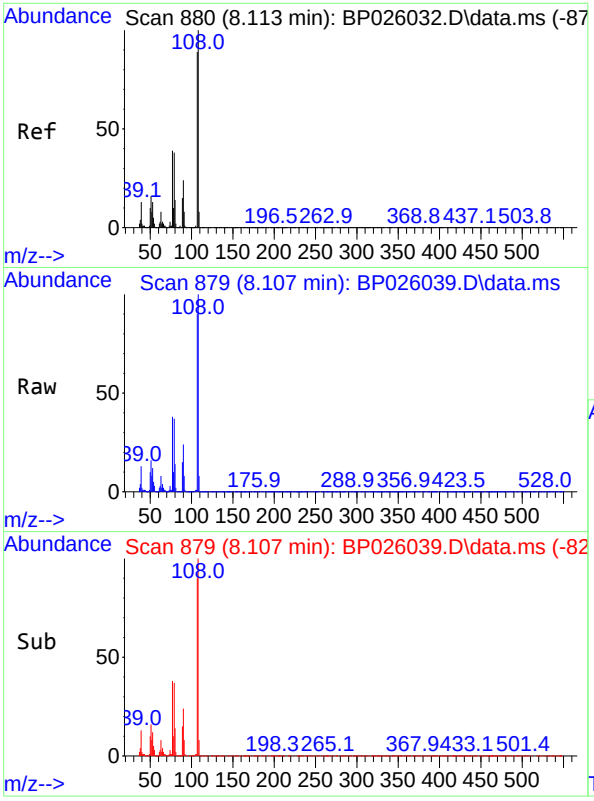


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.397 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 45 Resp: 1129141

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.2
79	9.8	0.0	29.5

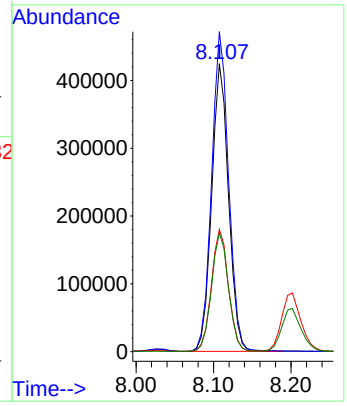




#17
2-Methylphenol
Concen: 40.646 ng
RT: 8.107 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:107 Resp: 63955

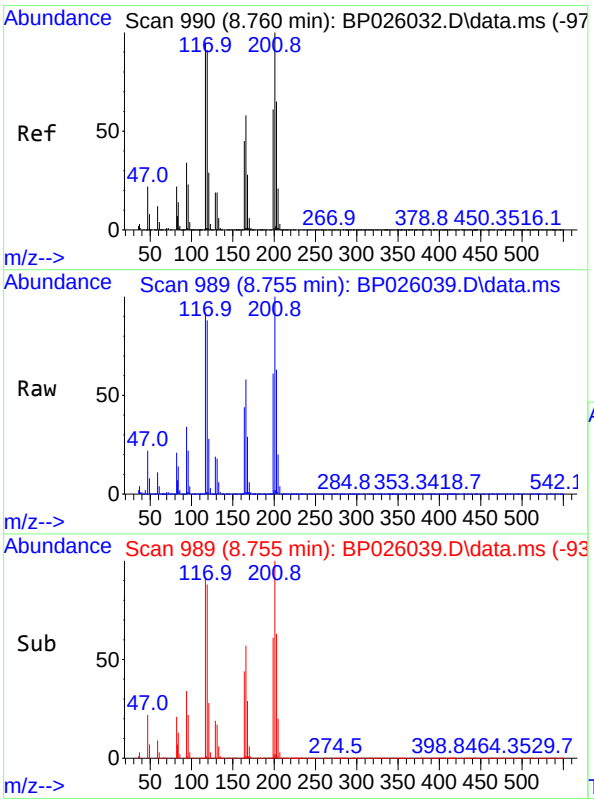
Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.8	134.8
77	42.4	34.8	52.2
79	41.3	33.8	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

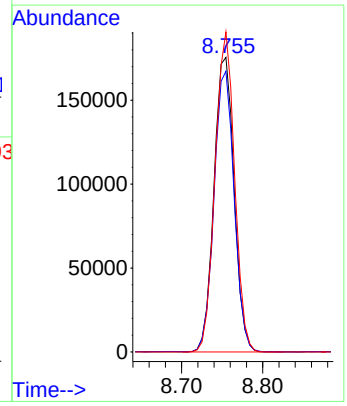
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

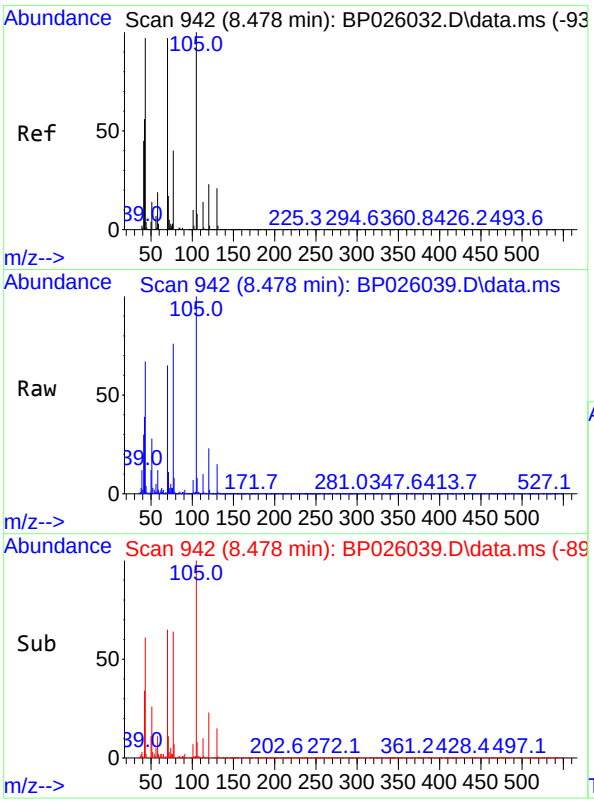


#18
Hexachloroethane
Concen: 40.423 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:117 Resp: 302447

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.5	114.7
201	108.6	84.2	126.4

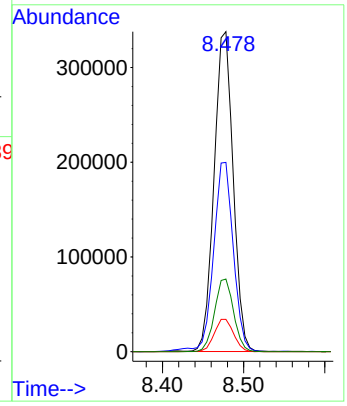




#19
n-Nitroso-di-n-propylamine
Concen: 41.034 ng
RT: 8.478 min Scan# 94
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 70 Resp: 55132

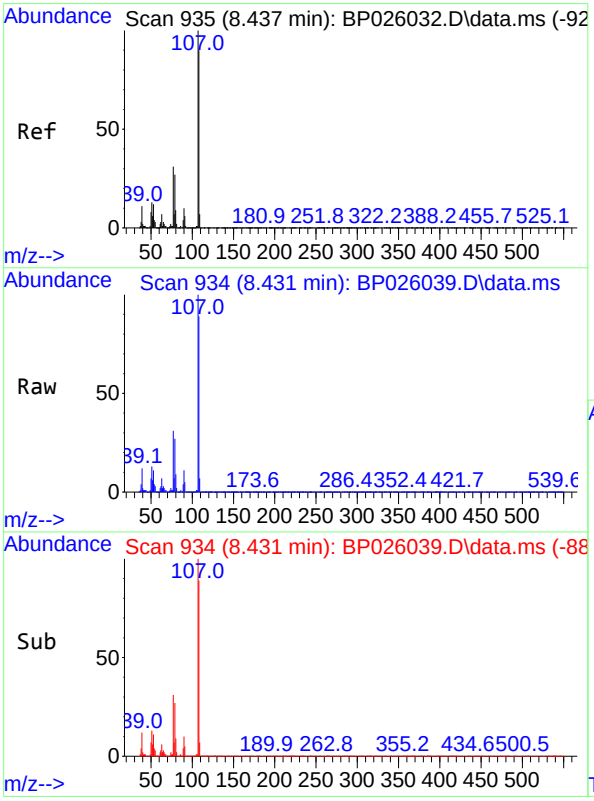
Ion	Ratio	Lower	Upper
70	100		
42	59.1	47.2	70.8
101	10.1	8.2	12.2
130	22.7	17.7	26.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

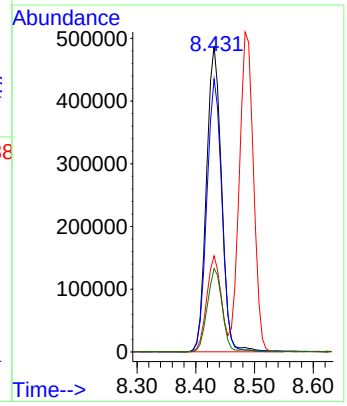
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

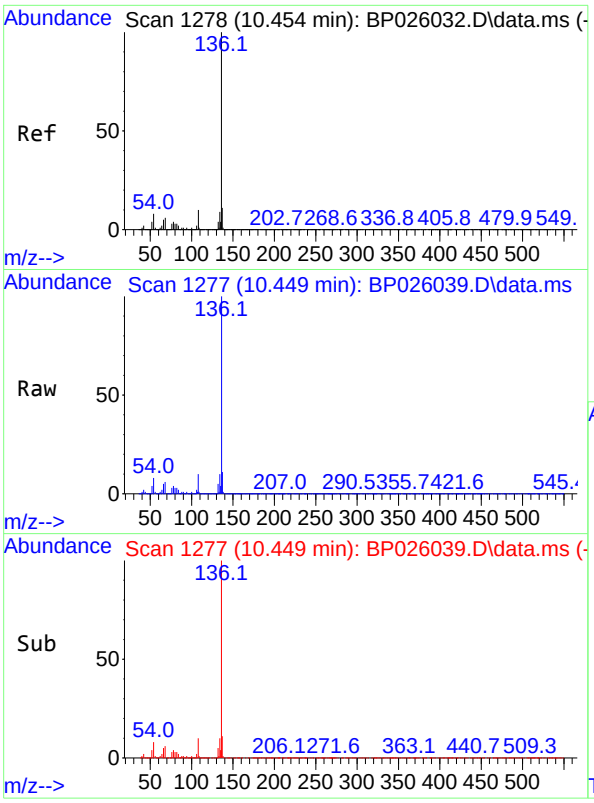


#20
3+4-Methylphenols
Concen: 39.634 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:107 Resp: 867573

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.1	110.1
77	31.4	10.7	50.7
79	27.2	6.9	46.9

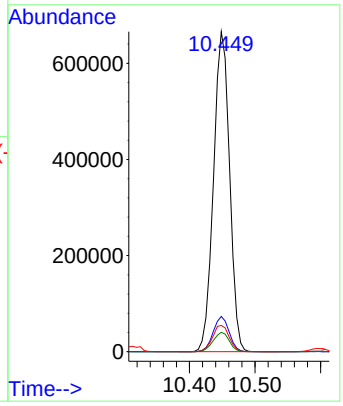




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:136 Resp: 112864

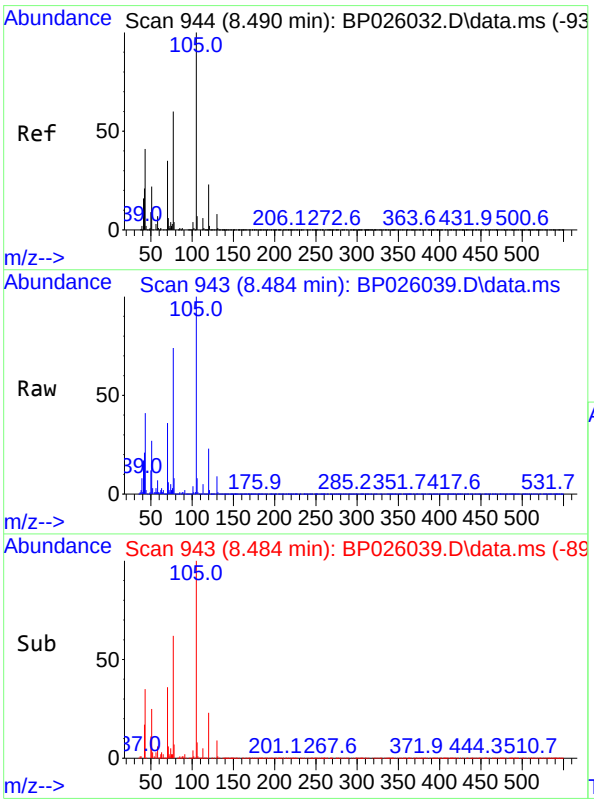
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.6	10.0
68	6.0	4.7	7.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

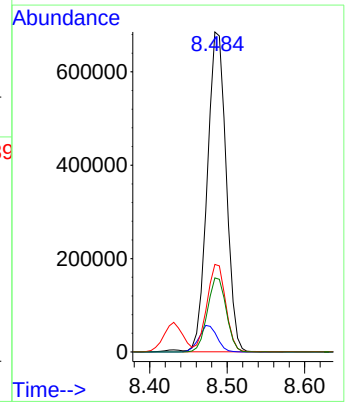
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

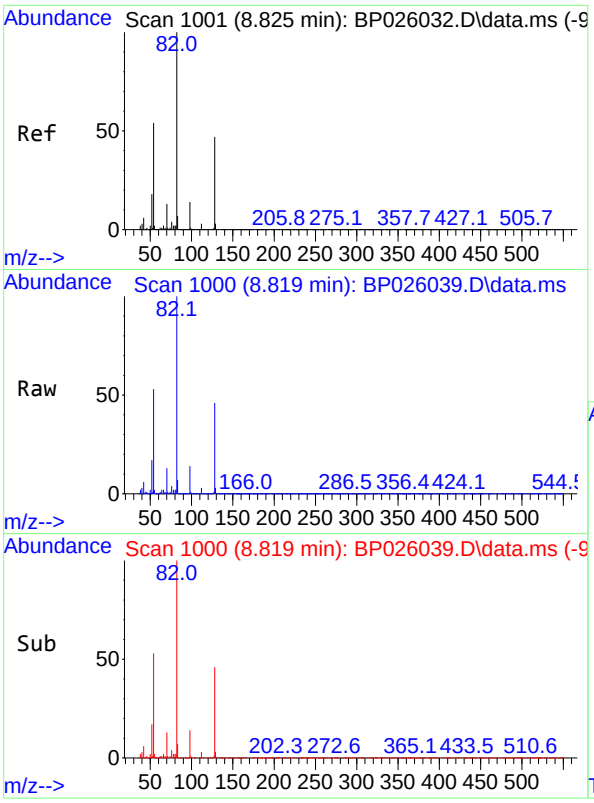


#22
Acetophenone
Concen: 40.585 ng
RT: 8.484 min Scan# 943
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:105 Resp: 1158478

Ion	Ratio	Lower	Upper
105	100		
71	6.1	4.7	7.1
51	27.4	21.8	32.8
120	23.1	18.7	28.1

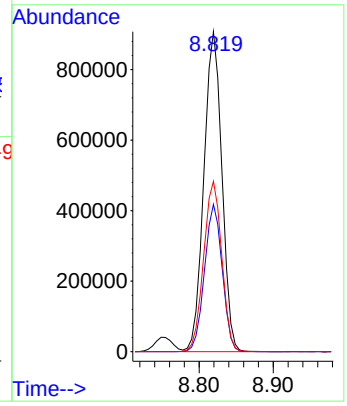




#23
Nitrobenzene-d5
Concen: 84.525 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 82 Resp: 153029

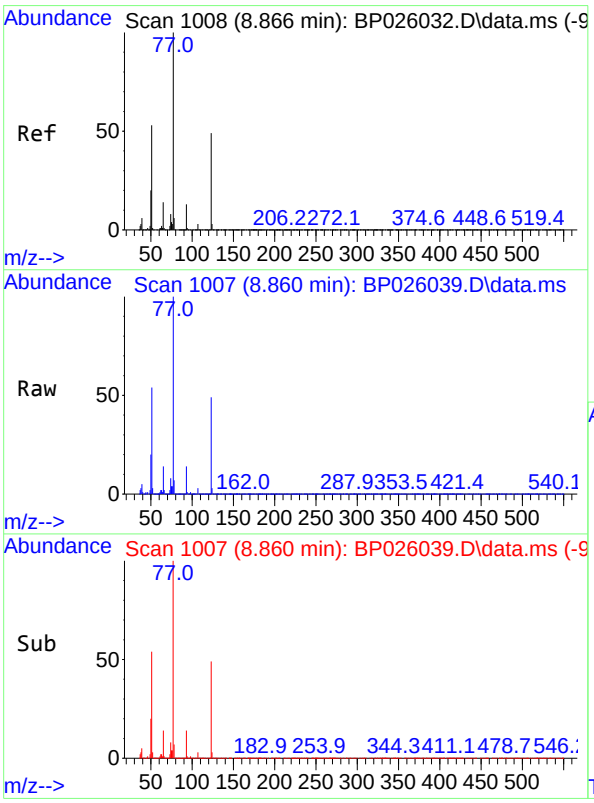
Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.4	56.0
54	53.3	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

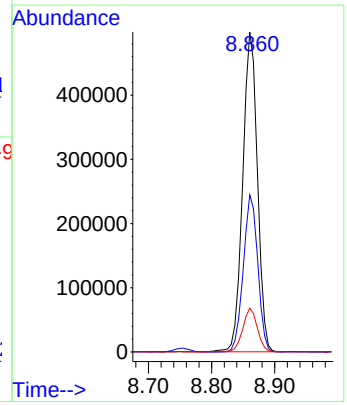
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

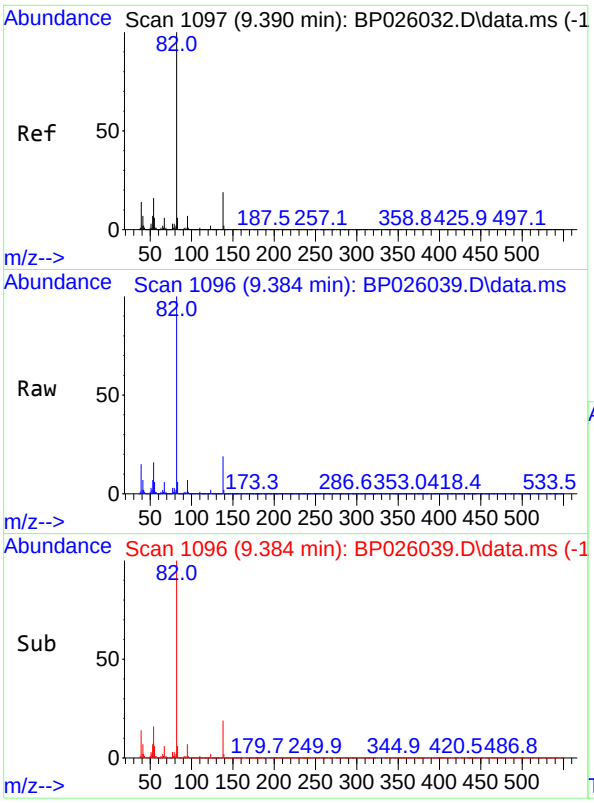


#24
Nitrobenzene
Concen: 42.154 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 77 Resp: 805808

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.0	58.4
65	13.7	10.9	16.3

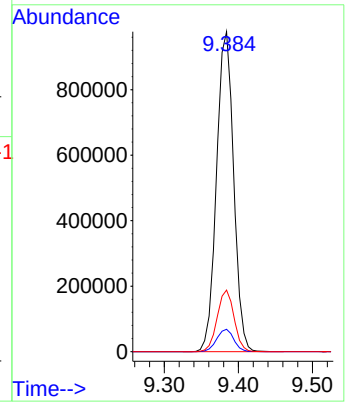




#25
Isophorone
Concen: 40.404 ng
RT: 9.384 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 82 Resp: 156573

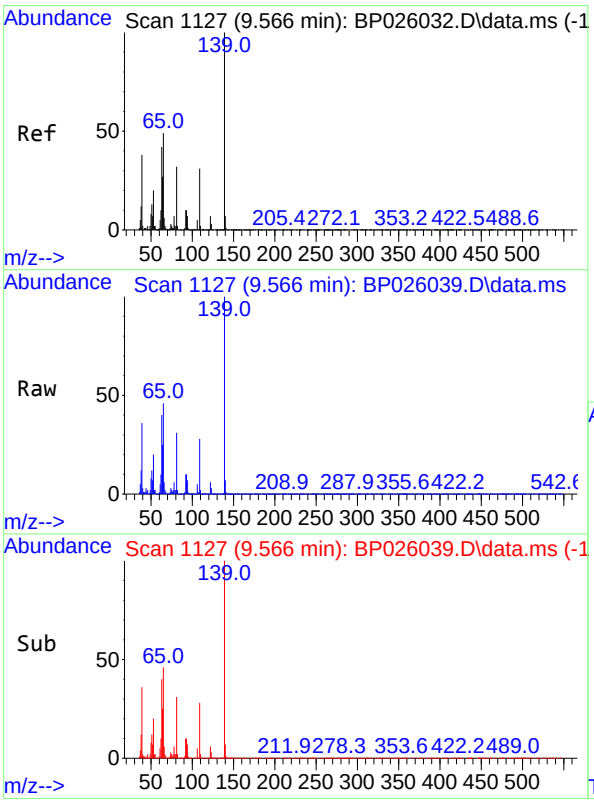
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	19.2	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

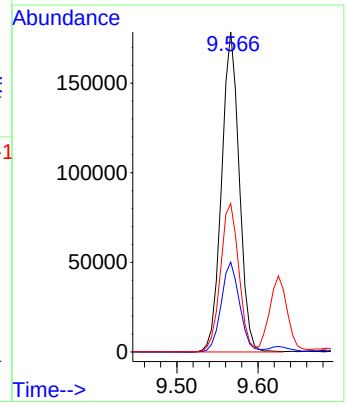
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

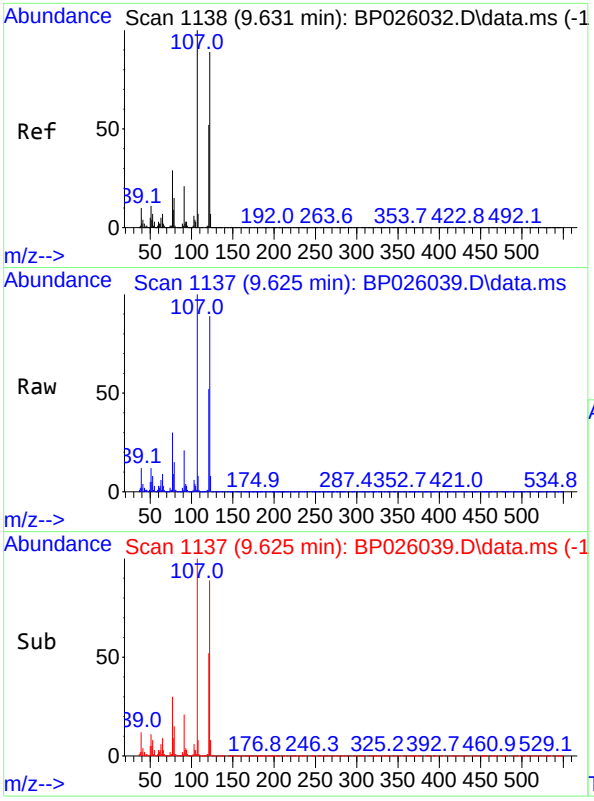


#26
2-Nitrophenol
Concen: 38.969 ng
RT: 9.566 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:139 Resp: 270435

Ion	Ratio	Lower	Upper
139	100		
109	28.1	24.8	37.2
65	46.4	39.0	58.4

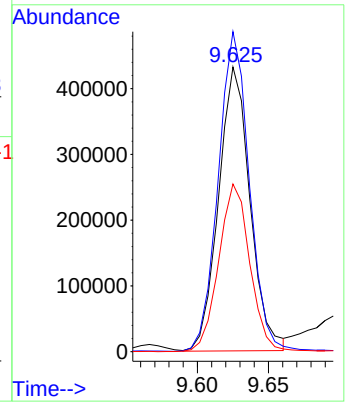




#27
2,4-Dimethylphenol
Concen: 40.803 ng
RT: 9.625 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:122 Resp: 66492

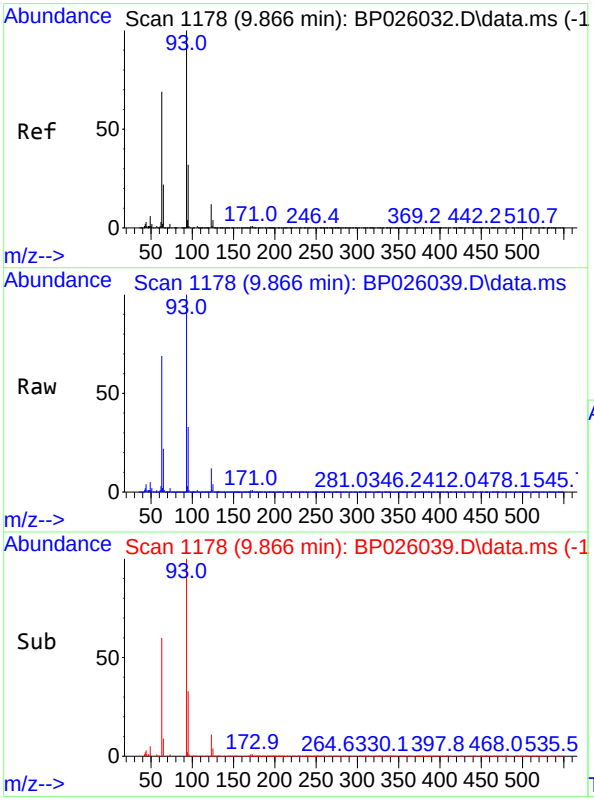
Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.2	133.8
121	58.9	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

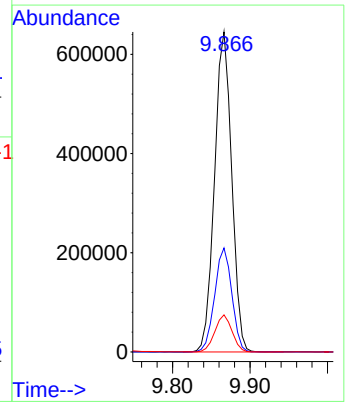
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

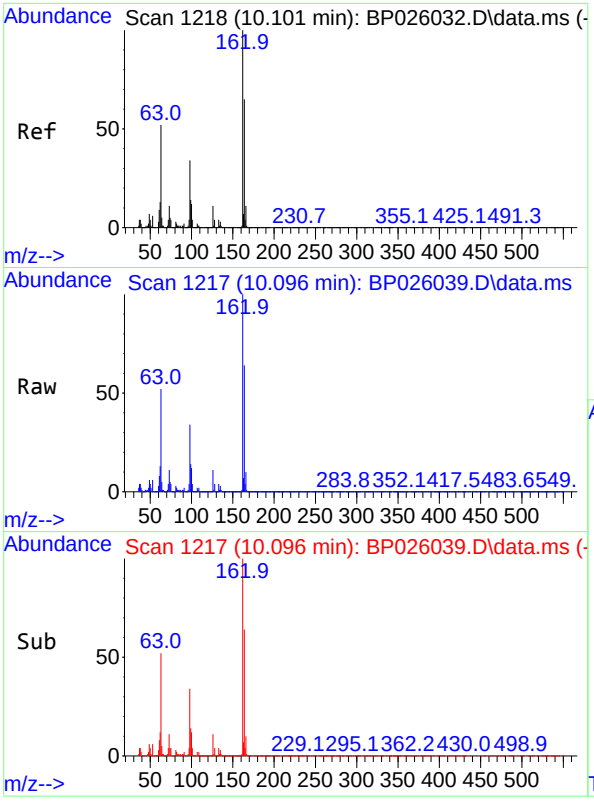


#28
bis(2-Chloroethoxy)methane
Concen: 40.623 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 93 Resp: 992102

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.6
123	11.6	9.3	13.9

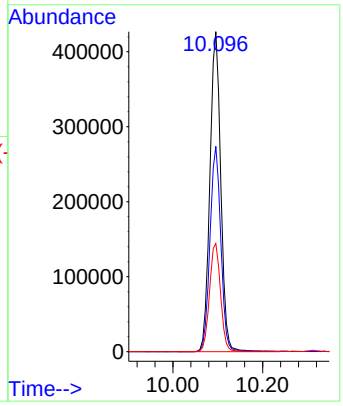




#29
2,4-Dichlorophenol
Concen: 41.631 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:162 Resp: 71632

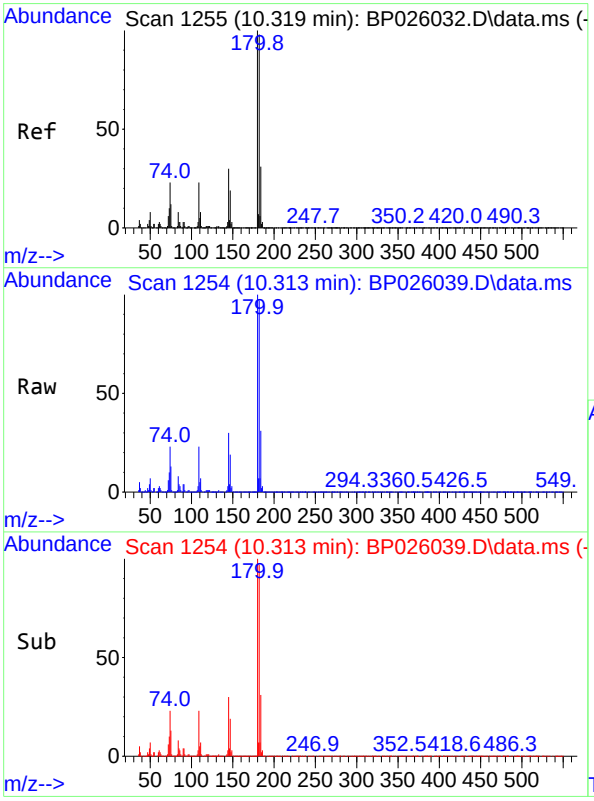
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	33.8	14.0	54.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

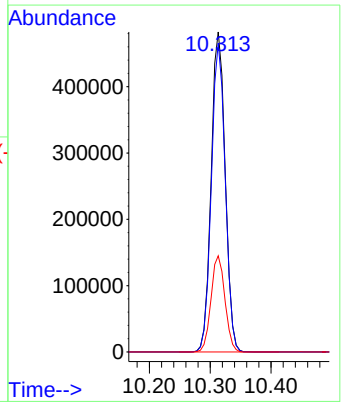
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

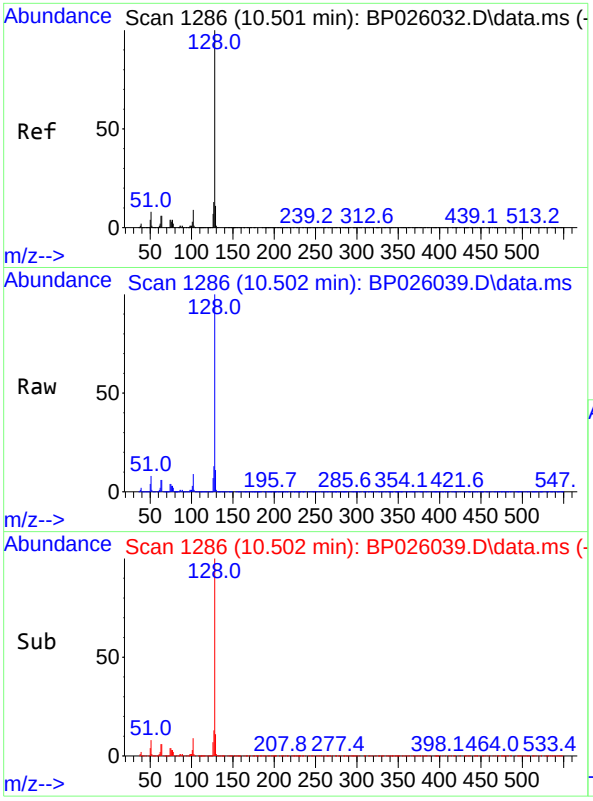


#30
1,2,4-Trichlorobenzene
Concen: 41.179 ng
RT: 10.313 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:180 Resp: 770124

Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.6	117.8
145	30.1	24.2	36.4

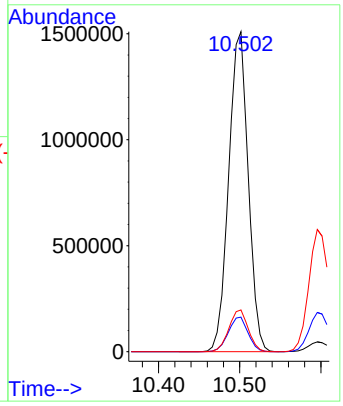




#31
Naphthalene
Concen: 40.897 ng
RT: 10.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:128 Resp: 251712

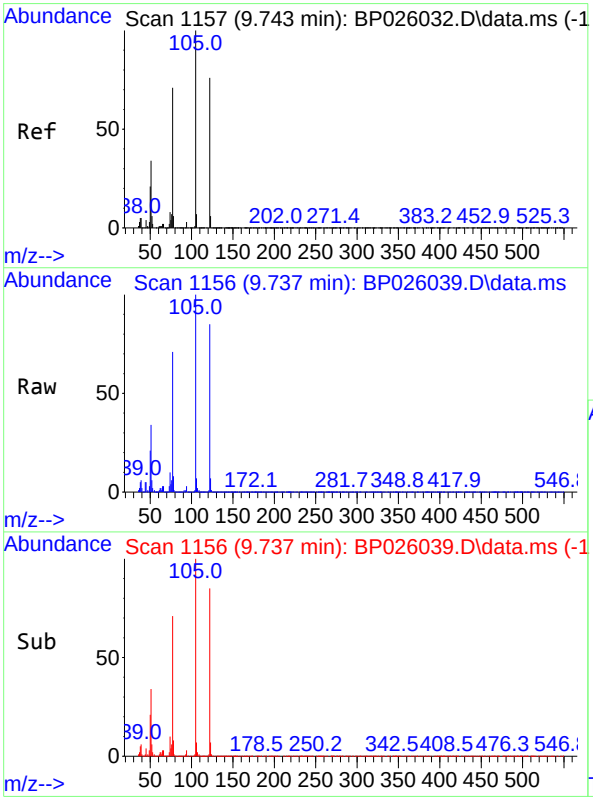
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.0	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

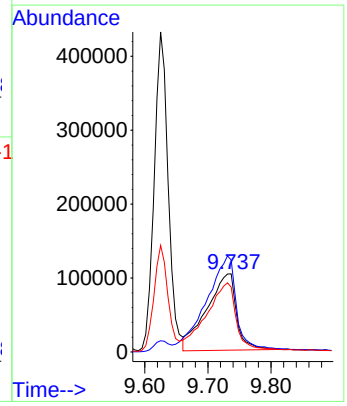
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

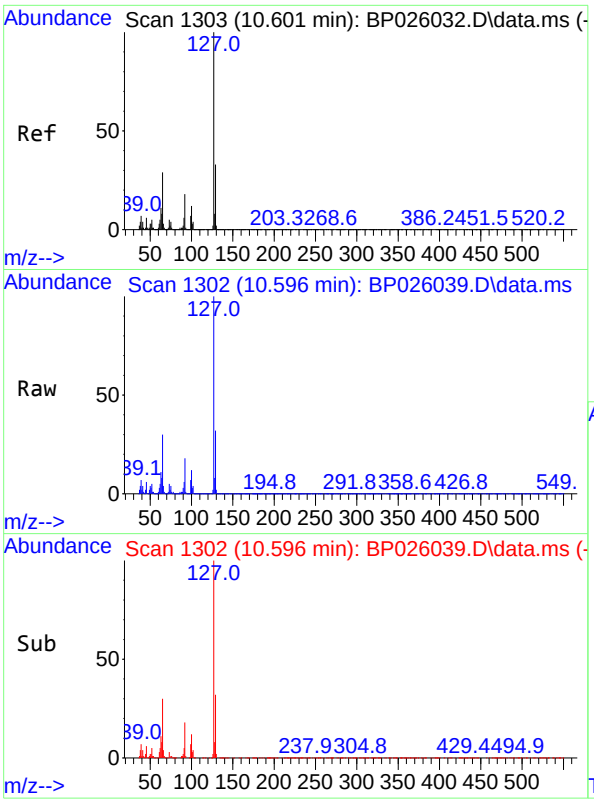


#32
Benzoic acid
Concen: 37.627 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.041 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:122 Resp: 340315

Ion	Ratio	Lower	Upper
122	100		
105	117.6	104.8	144.8
77	83.0	70.9	110.9

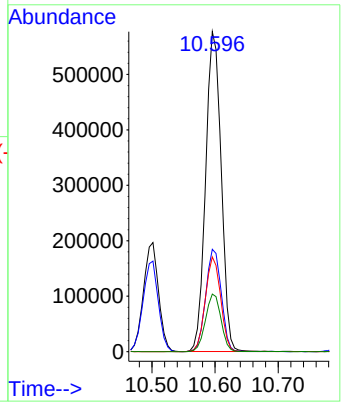




#33
4-Chloroaniline
Concen: 41.648 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:127 Resp: 98500

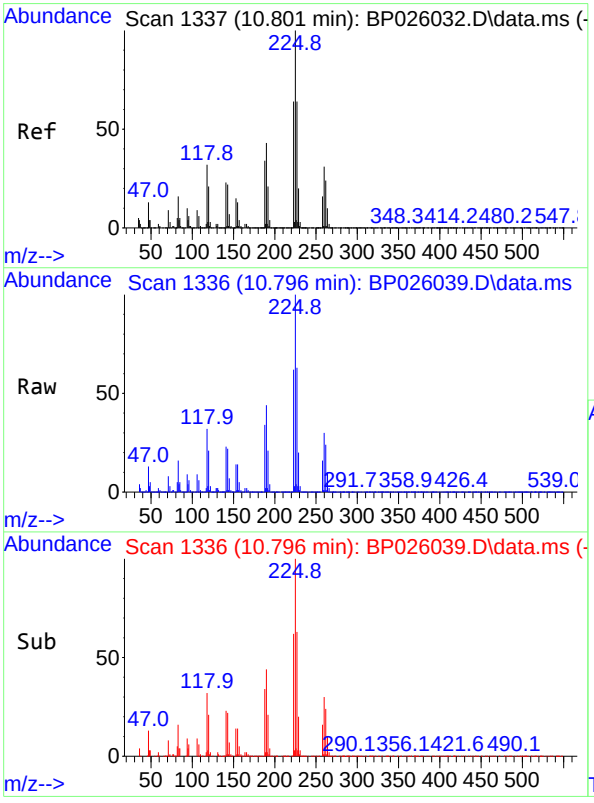
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	29.6	23.2	34.8
92	18.0	14.5	21.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

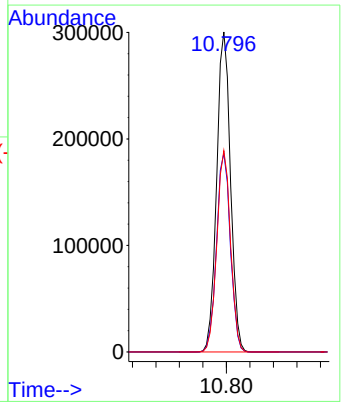
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

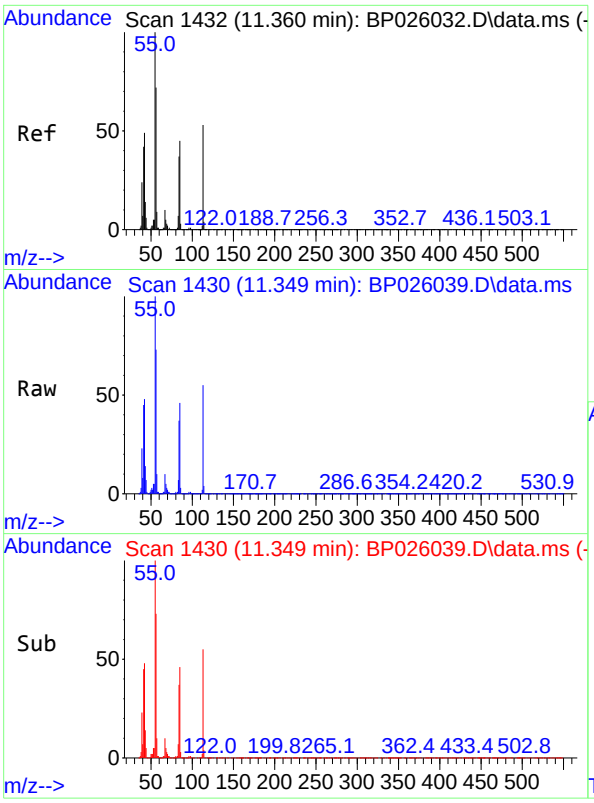


#34
Hexachlorobutadiene
Concen: 41.083 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:225 Resp: 488259

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.9	76.3
227	62.9	51.0	76.4

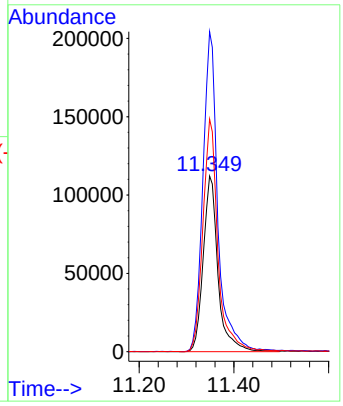




#35
Caprolactam
Concen: 40.137 ng
RT: 11.349 min Scan# 14
Delta R.T. -0.035 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:113 Resp: 24251

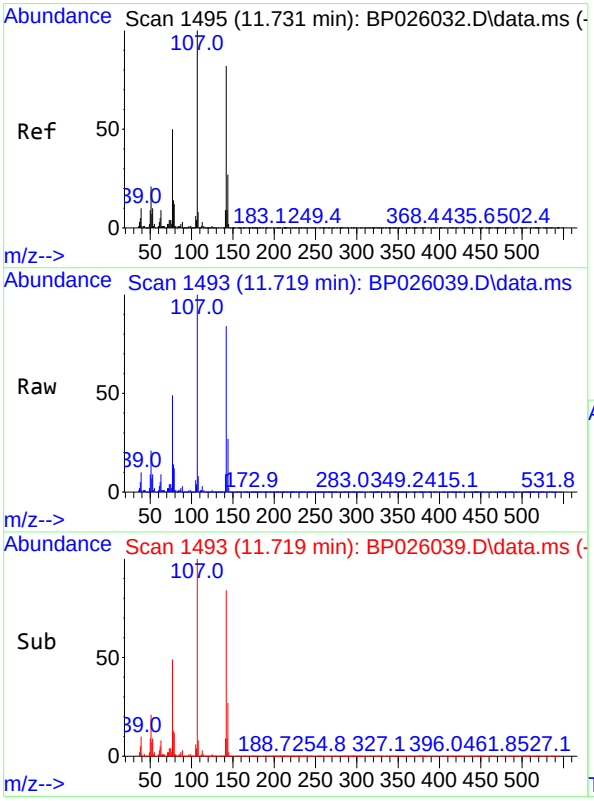
Ion	Ratio	Lower	Upper
113	100		
55	182.1	169.9	209.9
56	132.3	116.7	156.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

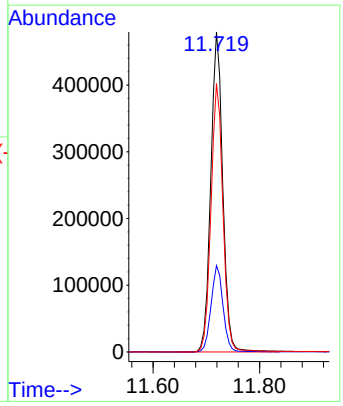
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

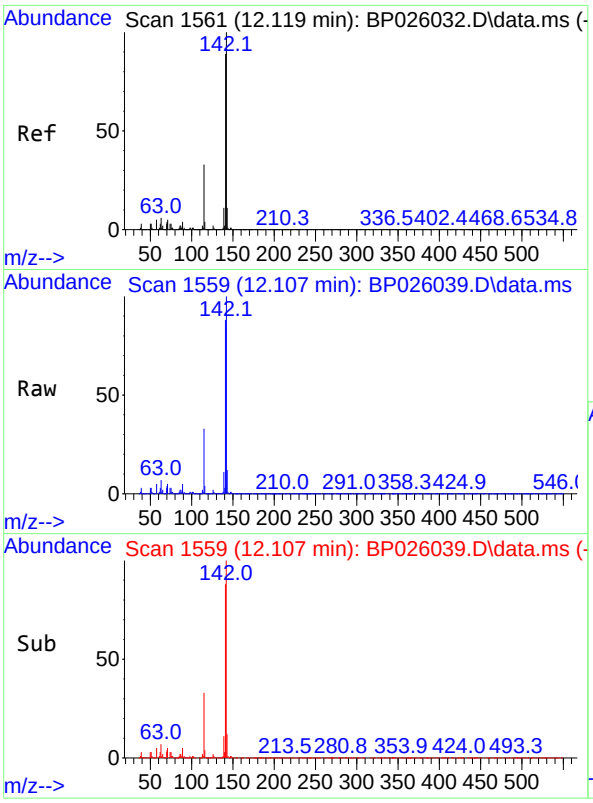


#36
4-Chloro-3-methylphenol
Concen: 41.480 ng
RT: 11.719 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:107 Resp: 748192

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.3	31.9
142	83.9	65.2	97.8

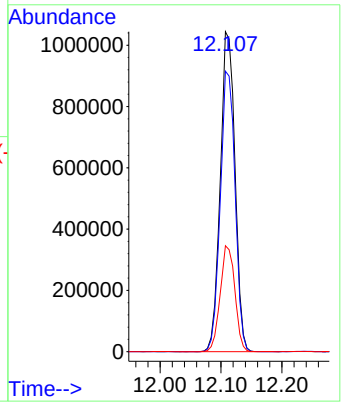




#37
2-Methylnaphthalene
Concen: 40.623 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:142 Resp: 174992

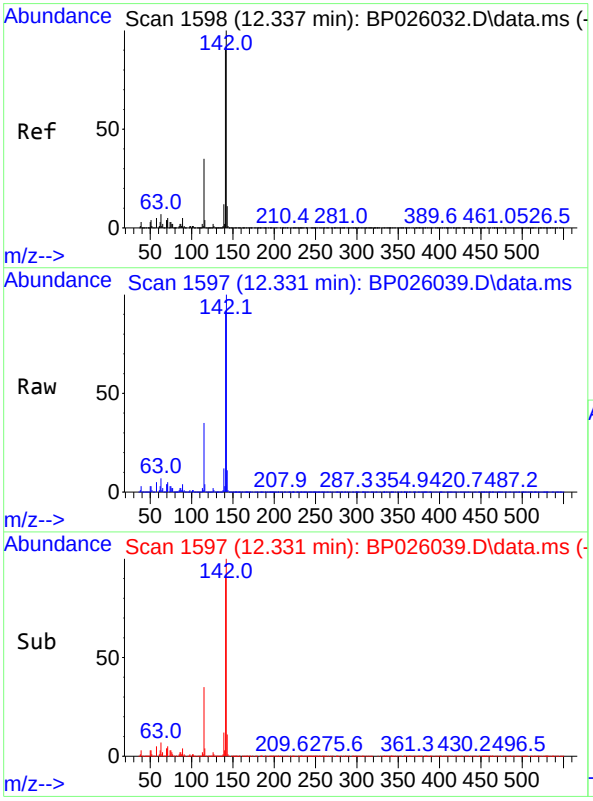
Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.6	107.4
115	33.1	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

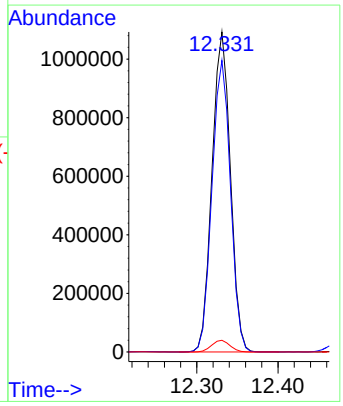
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

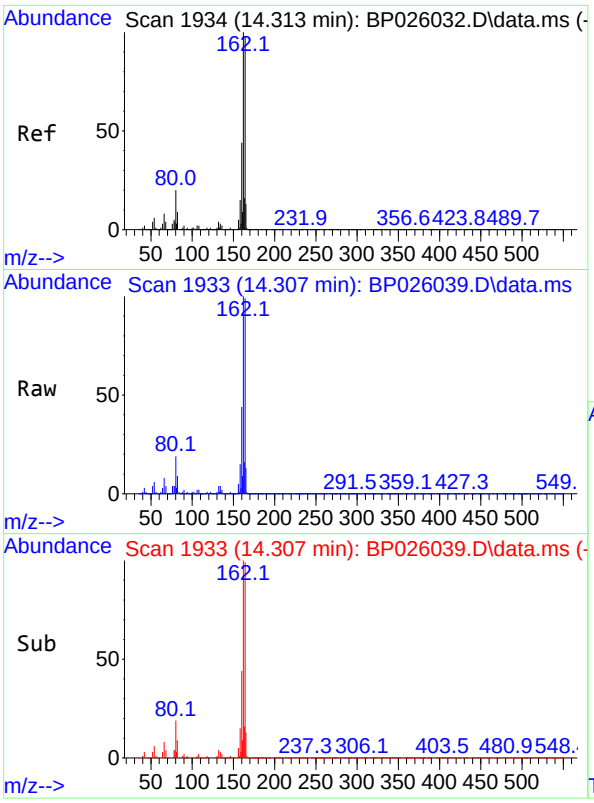


#38
1-Methylnaphthalene
Concen: 40.934 ng
RT: 12.331 min Scan# 1597
Delta R.T. -0.005 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:142 Resp: 1713086

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1
116	3.6	2.9	4.3

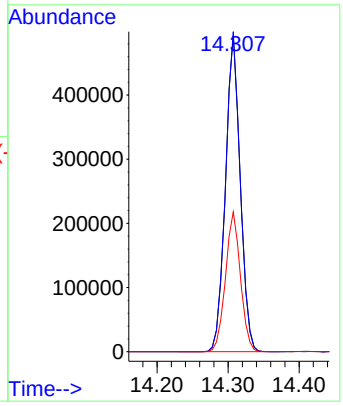




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.307 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

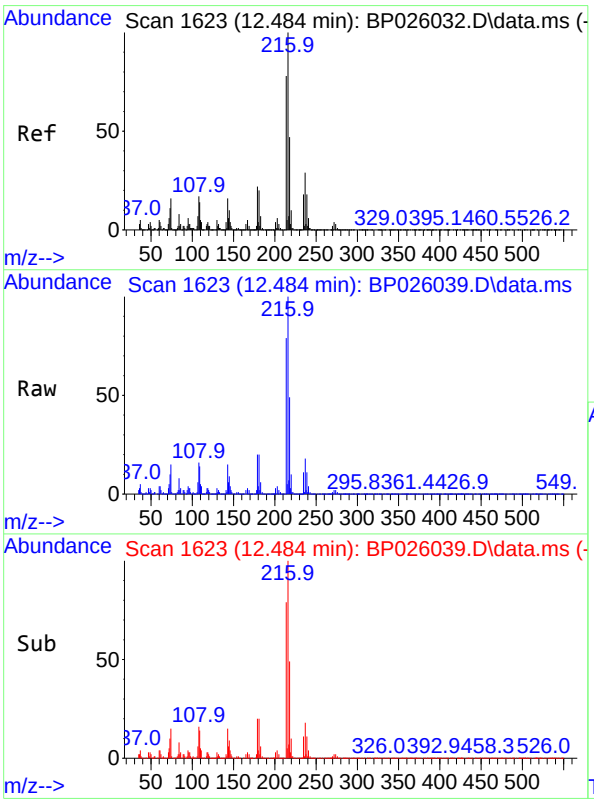
Tgt Ion:164 Resp: 70780

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.5	122.3
160	44.2	36.2	54.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

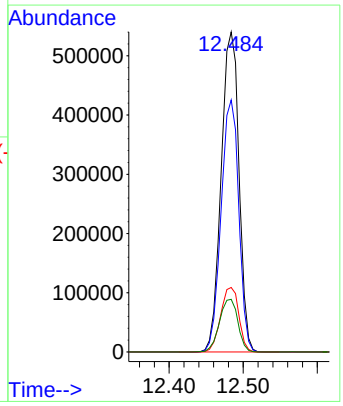
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

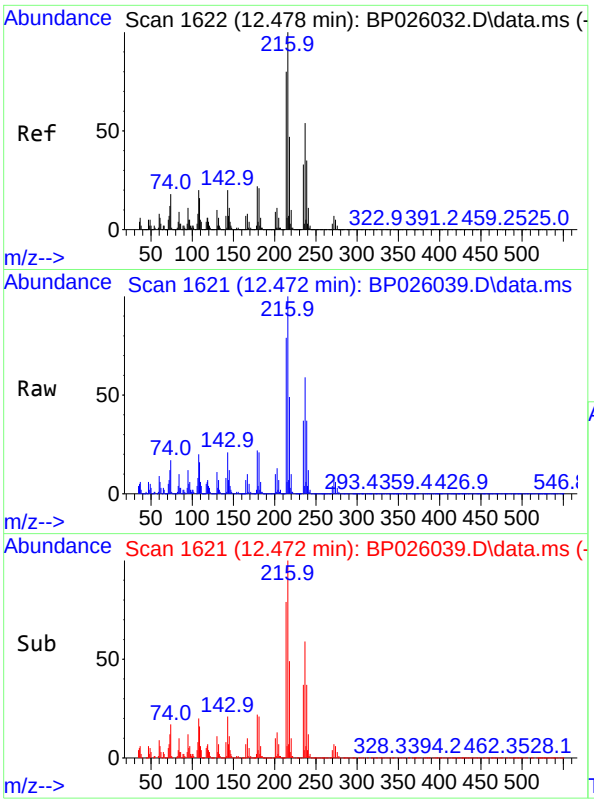


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.951 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:216 Resp: 900603

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.9	94.3
179	20.6	16.9	25.3
108	17.1	14.1	21.1

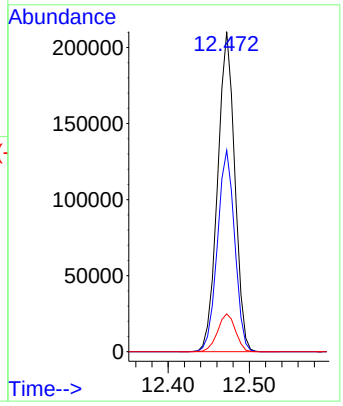




#41
Hexachlorocyclopentadiene
Concen: 38.348 ng
RT: 12.472 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:237 Resp: 30857

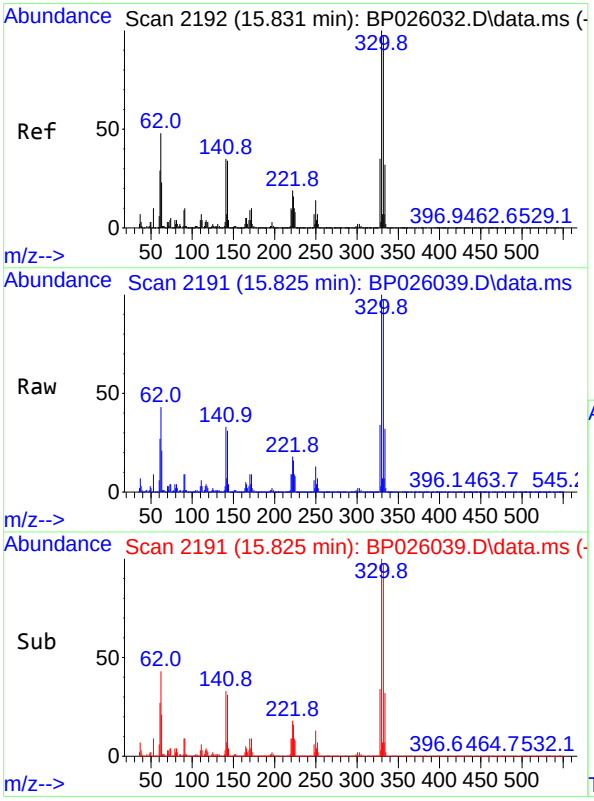
Ion	Ratio	Lower	Upper
237	100		
235	62.9	40.4	80.4
272	11.8	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

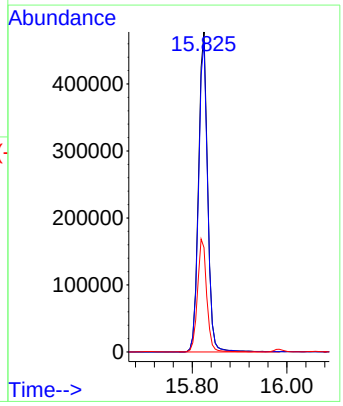
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

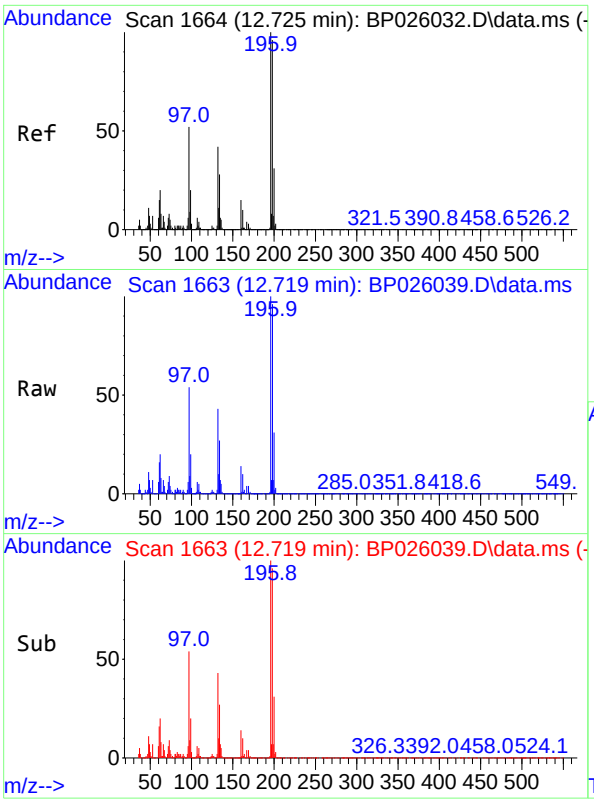


#42
2,4,6-Tribromophenol
Concen: 83.487 ng
RT: 15.825 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:330 Resp: 638841

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	35.5	28.6	42.8

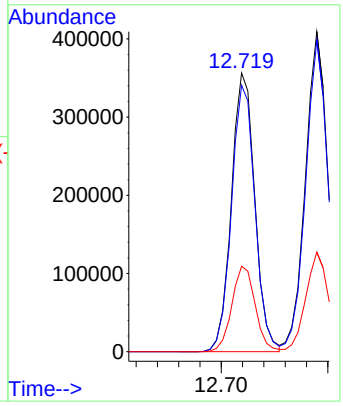




#43
2,4,6-Trichlorophenol
Concen: 41.914 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:196 Resp: 54485

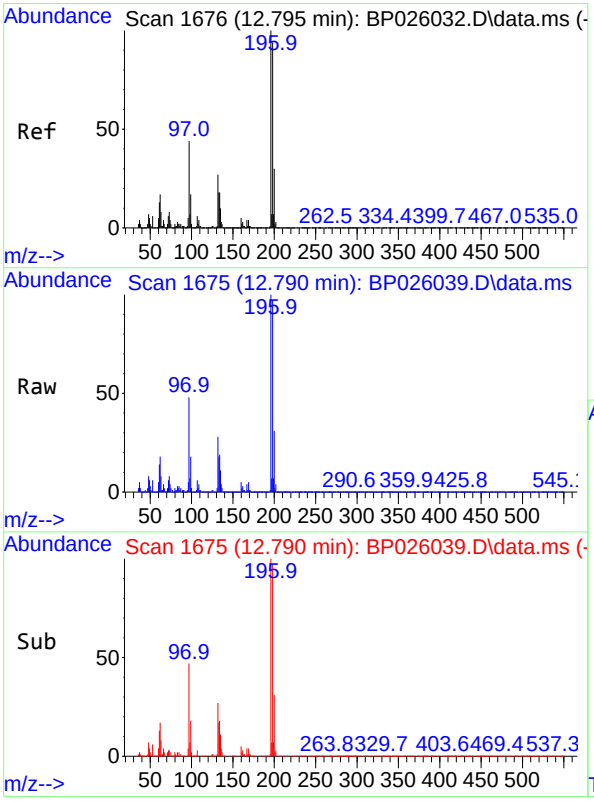
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.5	114.7
200	30.6	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

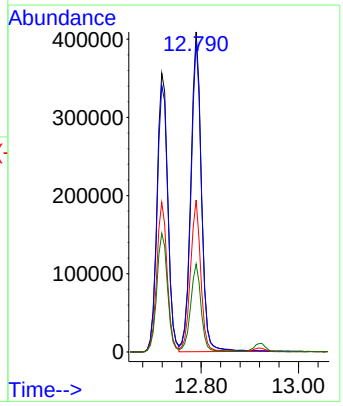
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

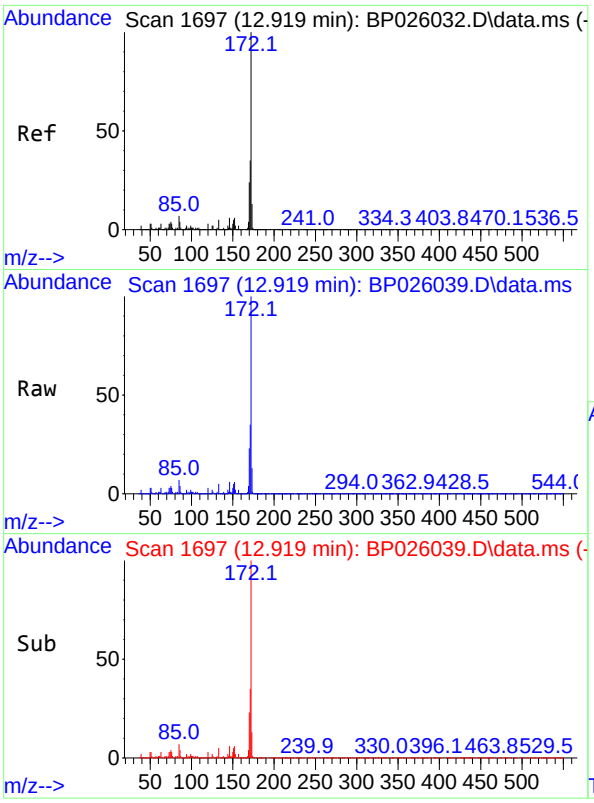


#44
2,4,5-Trichlorophenol
Concen: 41.696 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:196 Resp: 618469

Ion	Ratio	Lower	Upper
196	100		
198	97.4	75.1	112.7
97	47.5	35.5	53.3
132	27.5	21.6	32.4

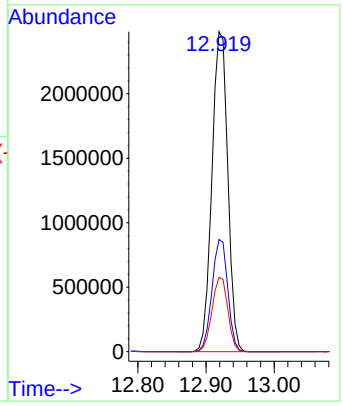




#45
2-Fluorobiphenyl
Concen: 81.295 ng
RT: 12.919 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:172 Resp: 400440(

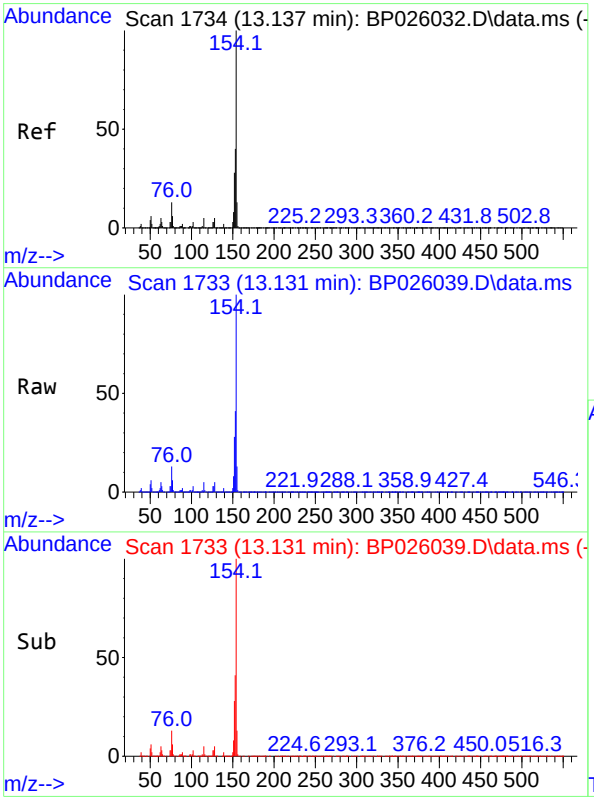
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.2	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

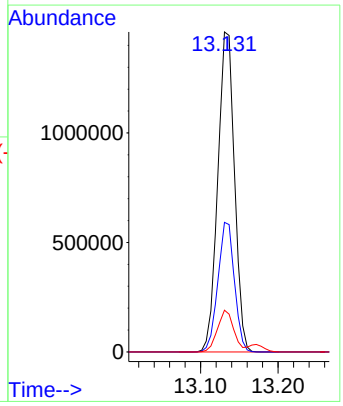
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

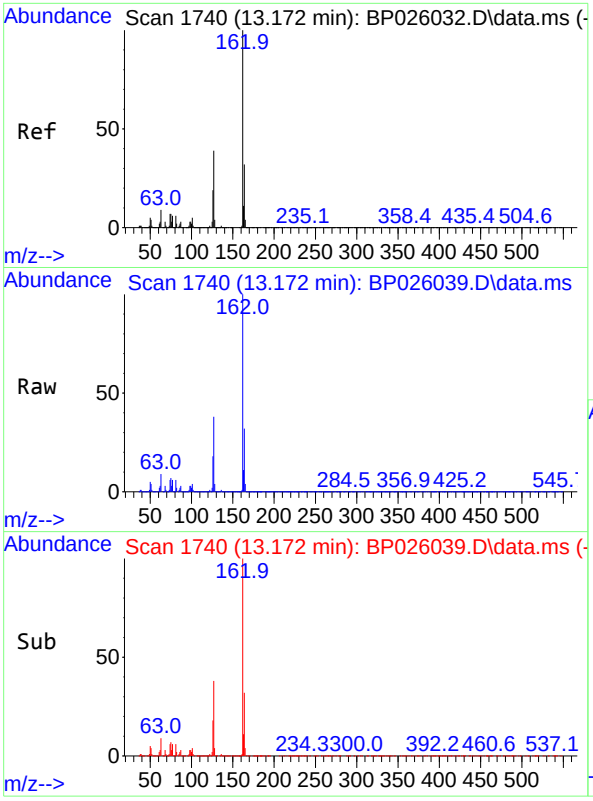


#46
1,1'-Biphenyl
Concen: 40.406 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:154 Resp: 2189844

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	13.1	0.0	32.8

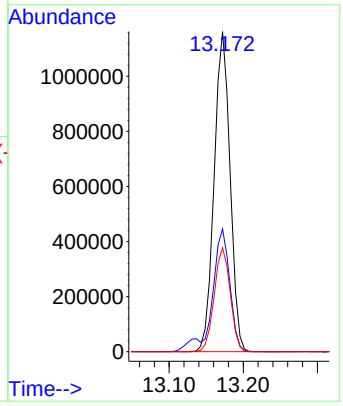




#47
2-Chloronaphthalene
Concen: 40.509 ng
RT: 13.172 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:162 Resp: 172735

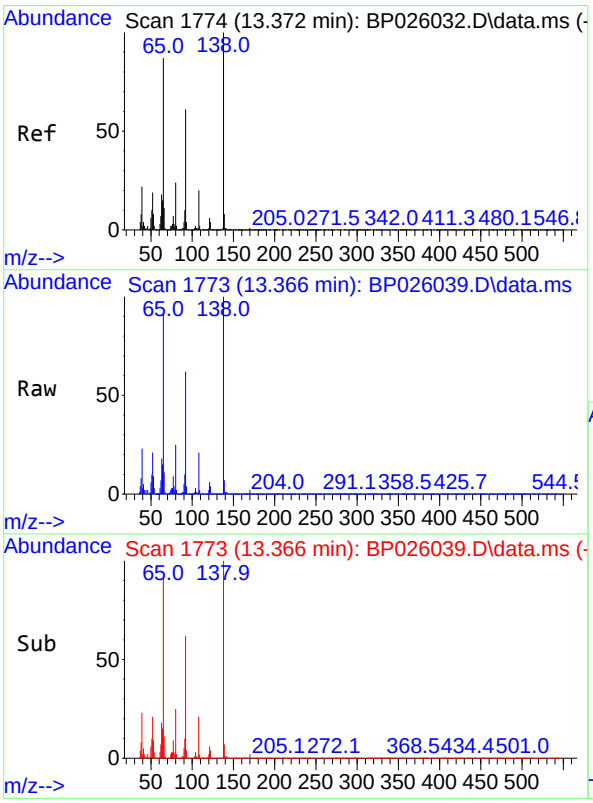
Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.4	47.2
164	32.4	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

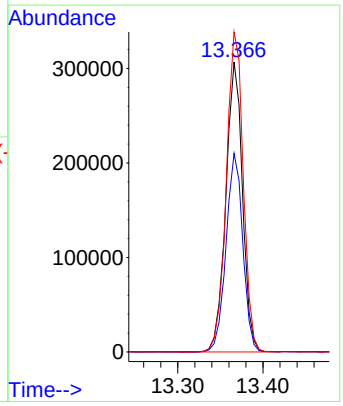
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

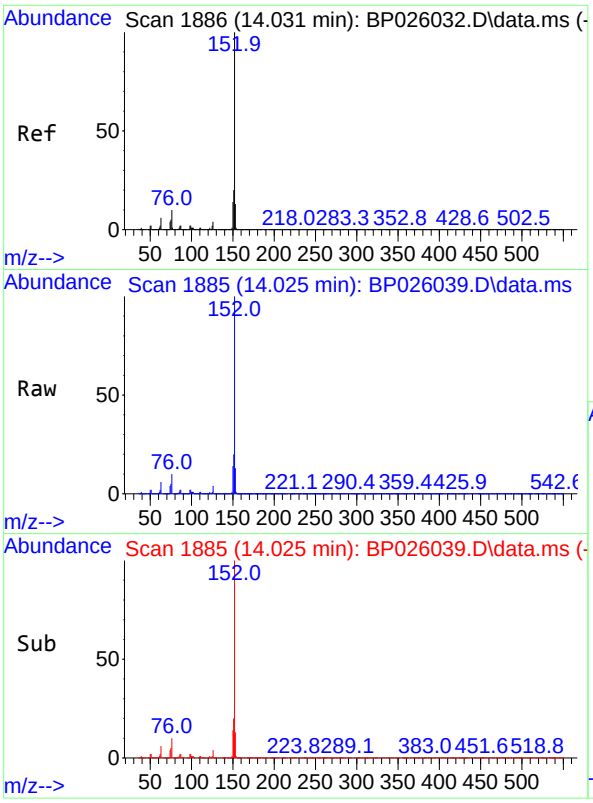


#48
2-Nitroaniline
Concen: 38.606 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 65 Resp: 416997

Ion	Ratio	Lower	Upper
65	100		
92	68.5	55.5	83.3
138	110.4	91.7	137.5

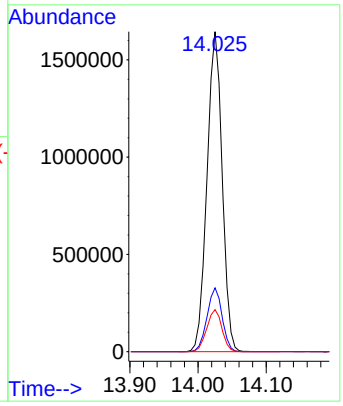




#49
Acenaphthylene
Concen: 40.959 ng
RT: 14.025 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:152 Resp: 254564

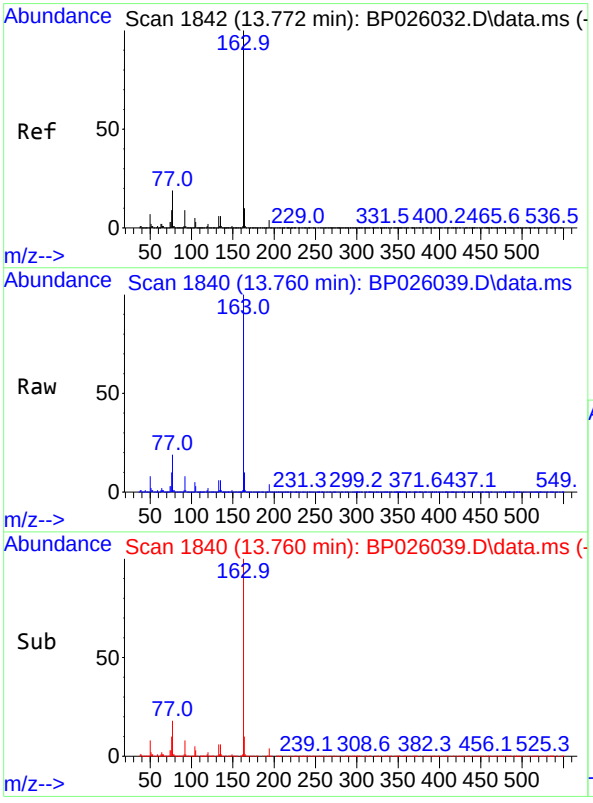
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

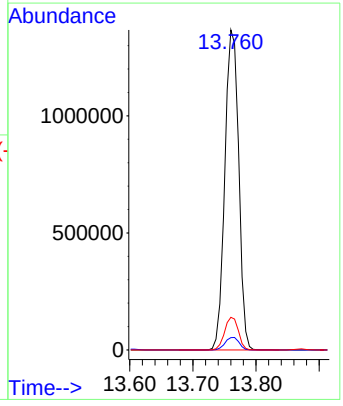
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

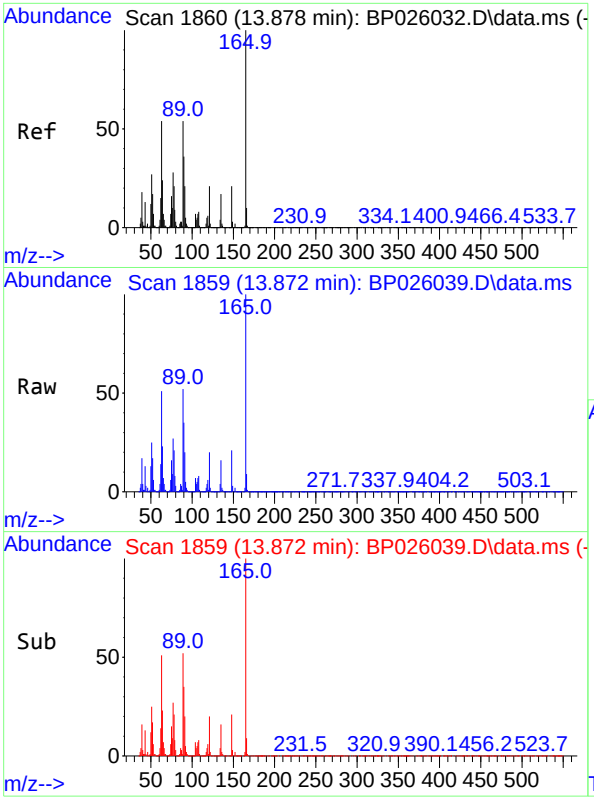


#50
Dimethylphthalate
Concen: 40.477 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:163 Resp: 2083950

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 38.999 ng
RT: 13.872 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

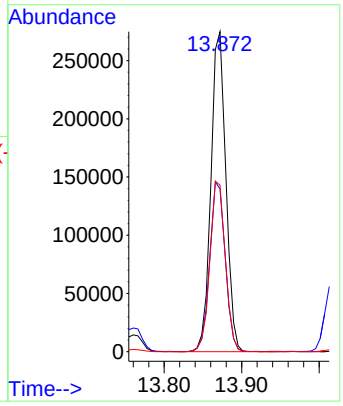
Tgt Ion:165 Resp: 36913

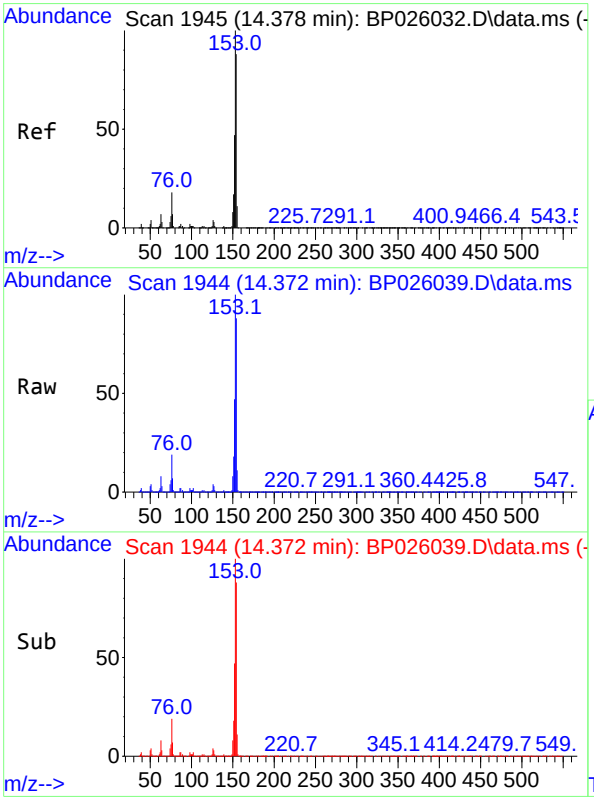
Ion	Ratio	Lower	Upper
165	100		
63	50.8	43.0	64.4
89	52.0	43.0	64.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

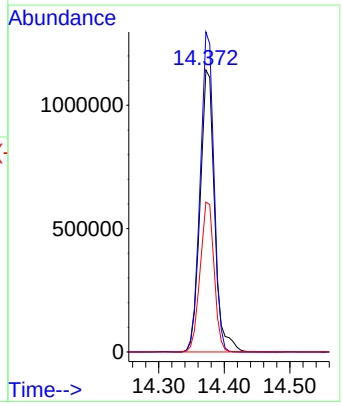


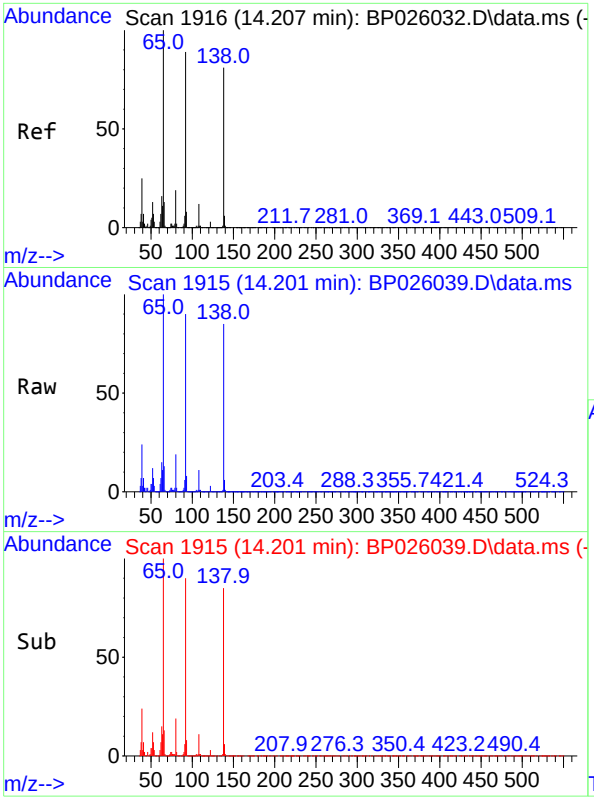


#52
Acenaphthene
Concen: 41.060 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.011 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:154 Resp: 1751906

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.0	136.4
152	53.1	42.7	64.1





#53
3-Nitroaniline
Concen: 40.012 ng
RT: 14.201 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

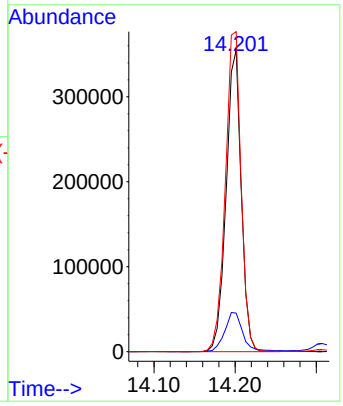
Tgt Ion:138 Resp: 45870

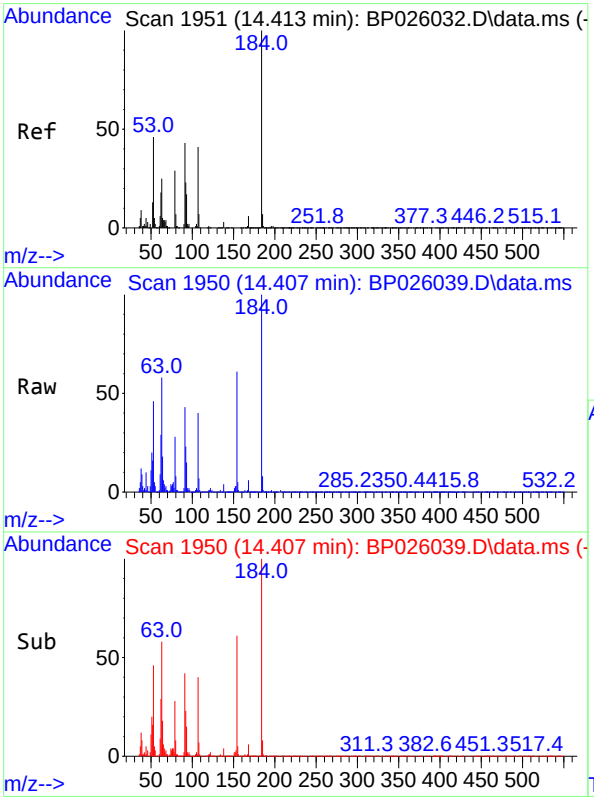
Ion	Ratio	Lower	Upper
138	100		
108	12.8	11.4	17.0
92	106.1	87.1	130.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

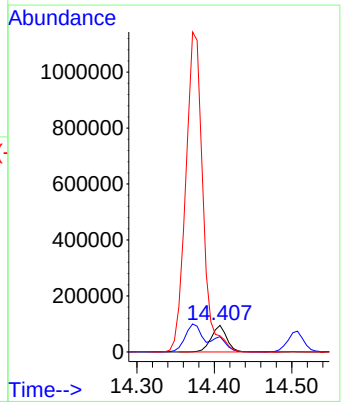


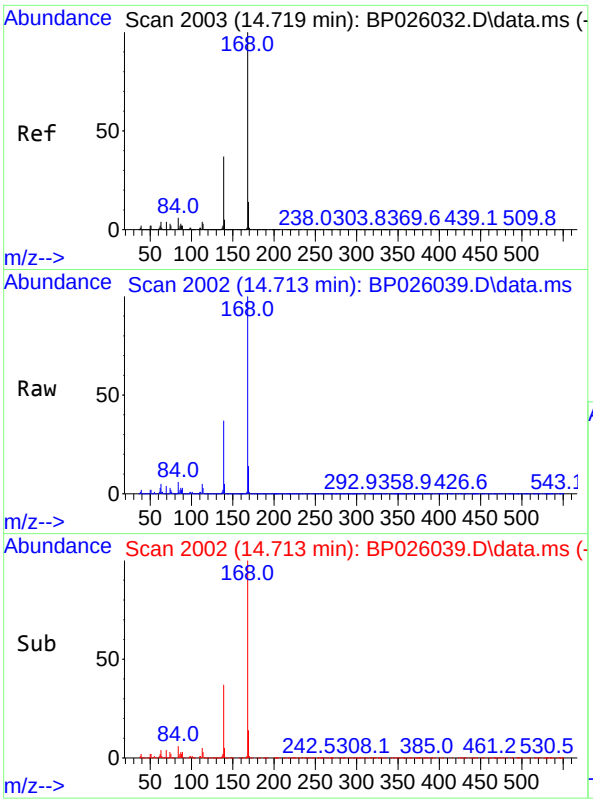


#54
2,4-Dinitrophenol
Concen: 38.351 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:184 Resp: 132236

Ion	Ratio	Lower	Upper
184	100		
63	57.9	49.0	73.4
154	60.9	51.0	76.6

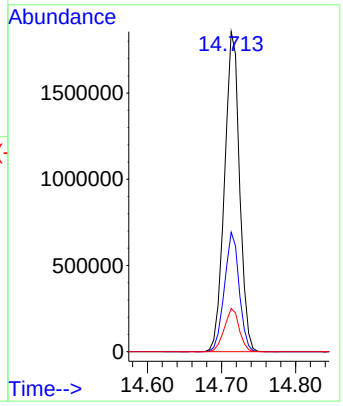




#55
Dibenzofuran
Concen: 40.520 ng
RT: 14.713 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:168 Resp: 261202

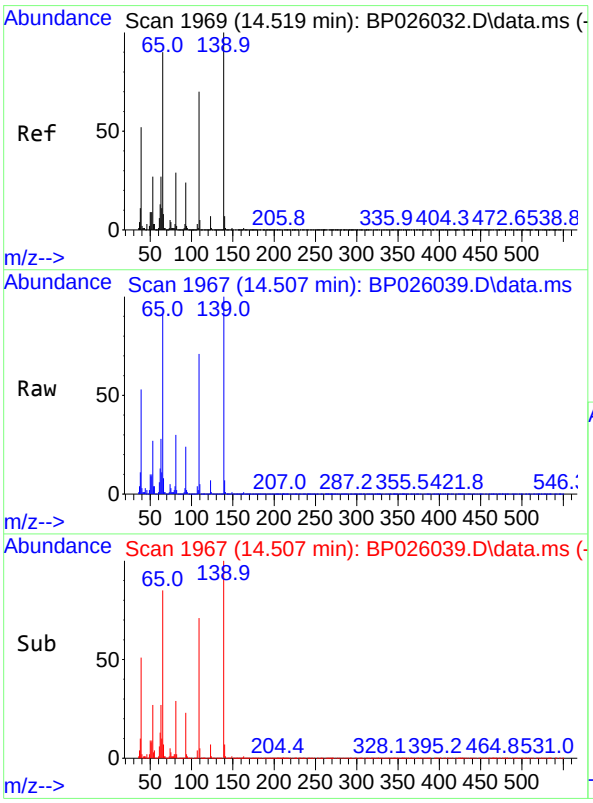
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.7	44.5
169	13.5	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

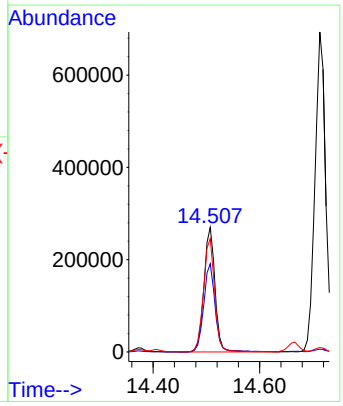
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

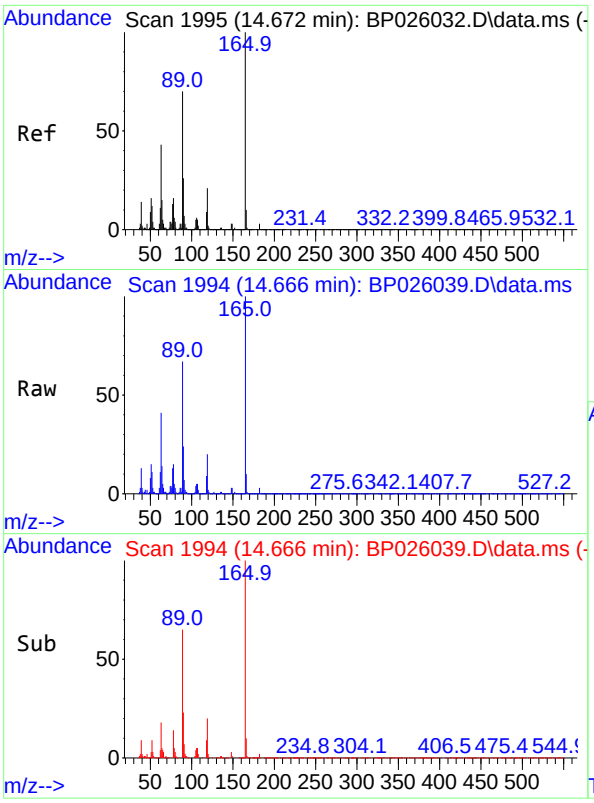


#56
4-Nitrophenol
Concen: 37.715 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:139 Resp: 387193

Ion	Ratio	Lower	Upper
139	100		
109	70.9	50.0	90.0
65	90.9	69.6	109.6

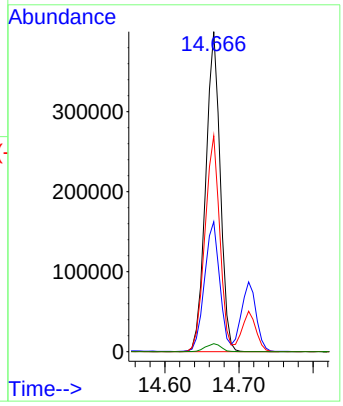




#57
2,4-Dinitrotoluene
Concen: 39.067 ng
RT: 14.666 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:165 Resp: 54301

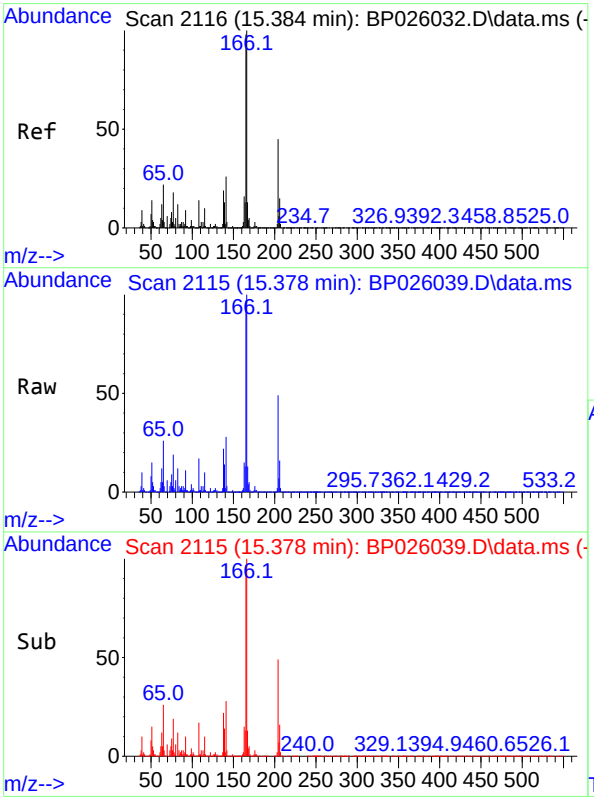
Ion	Ratio	Lower	Upper
165	100		
63	40.6	34.2	51.2
89	67.4	56.0	84.0
182	2.5	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

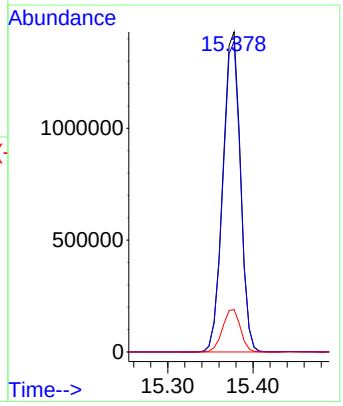
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

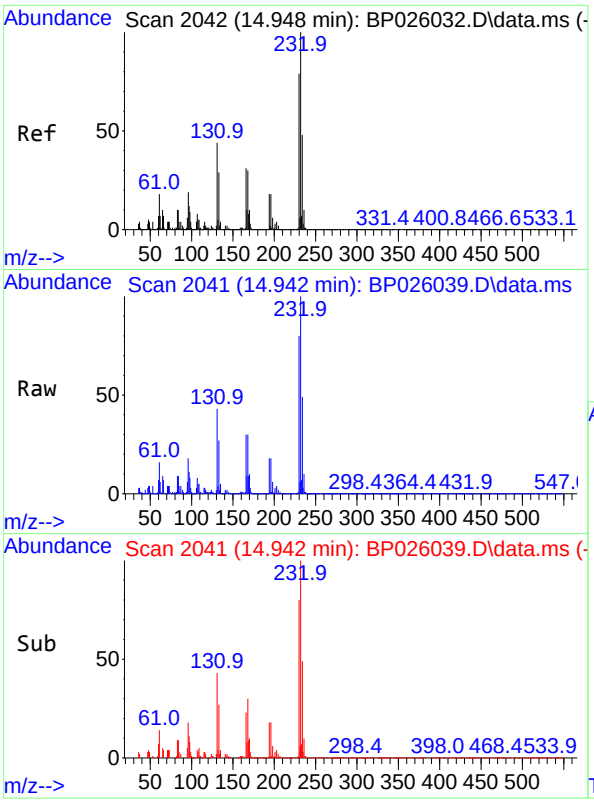


#58
Fluorene
Concen: 40.550 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:166 Resp: 2047888

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.1	117.1
167	13.3	10.6	16.0

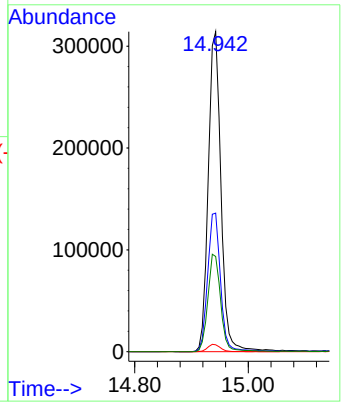




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.703 ng
RT: 14.942 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:232 Resp: 48636

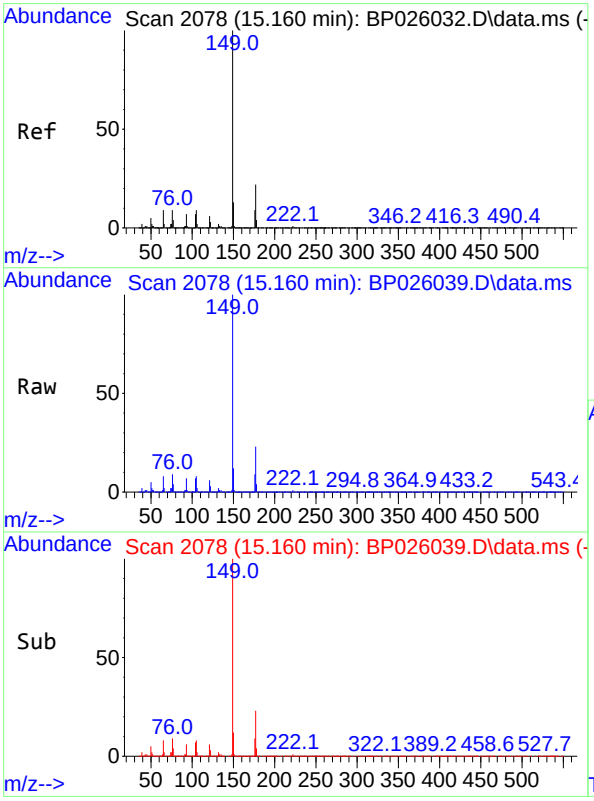
Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.2	52.8
130	2.3	1.7	2.5
166	30.8	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

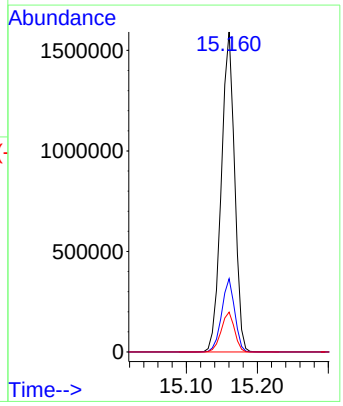
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

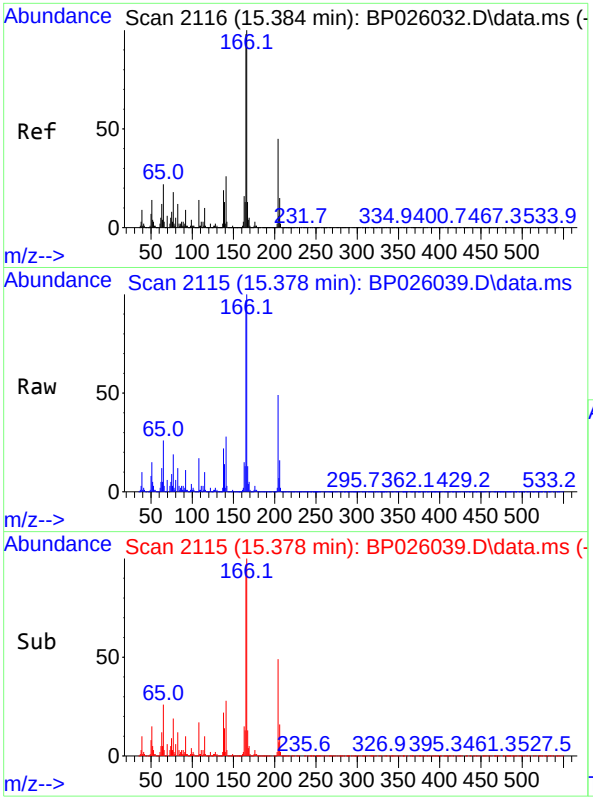


#60
Diethylphthalate
Concen: 39.757 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:149 Resp: 2057780

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.9	26.9
150	12.5	10.1	15.1

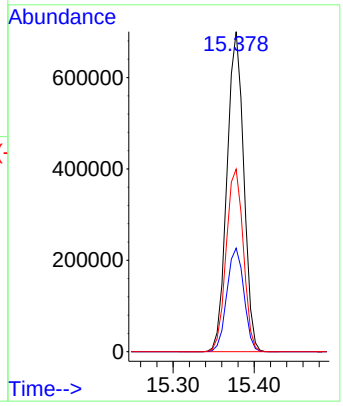




#61
4-Chlorophenyl-phenylether
Concen: 39.813 ng
RT: 15.378 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:204 Resp: 100410

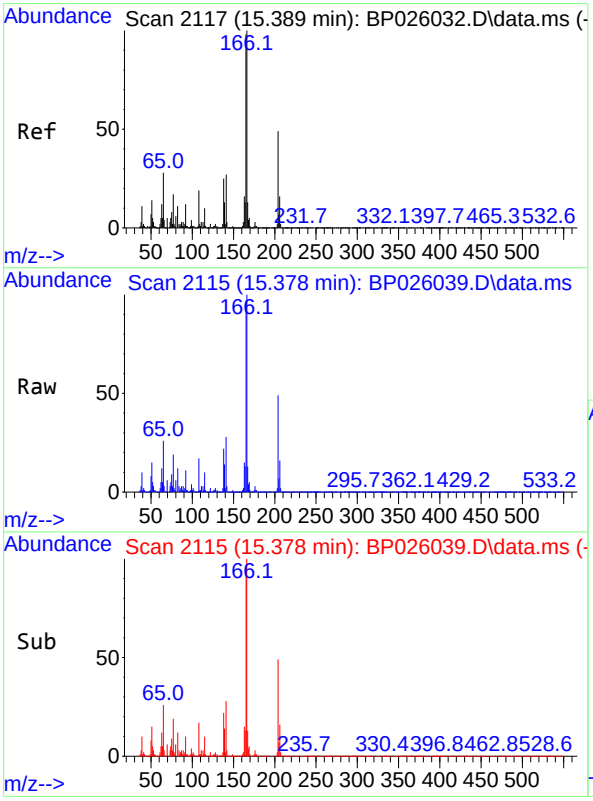
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	57.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

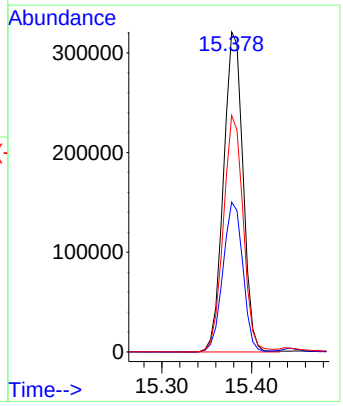
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

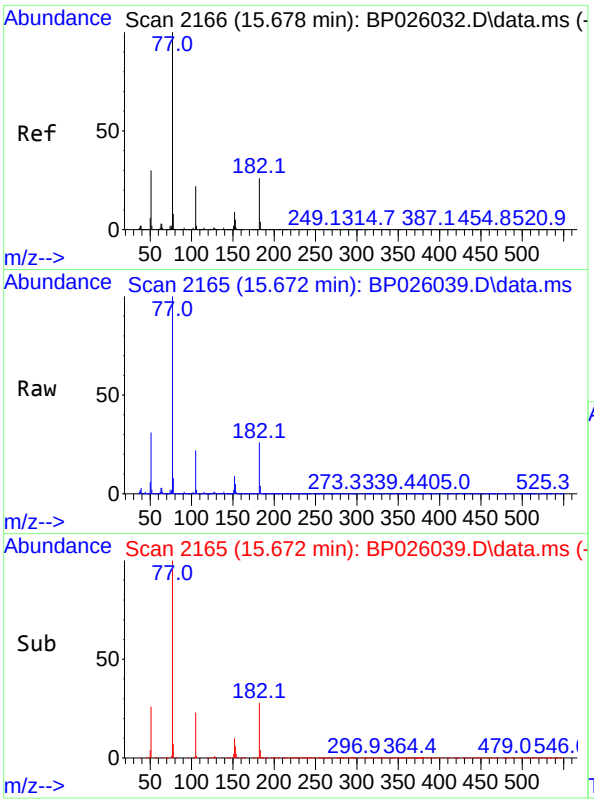


#62
4-Nitroaniline
Concen: 44.010 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.023 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:138 Resp: 484176

Ion	Ratio	Lower	Upper
138	100		
92	46.8	28.2	68.2
108	73.9	56.0	96.0

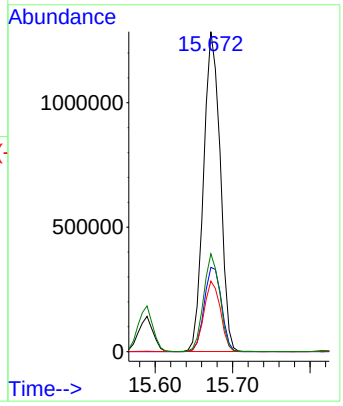




#63
Azobenzene
Concen: 40.697 ng
RT: 15.672 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion: 77 Resp: 190901

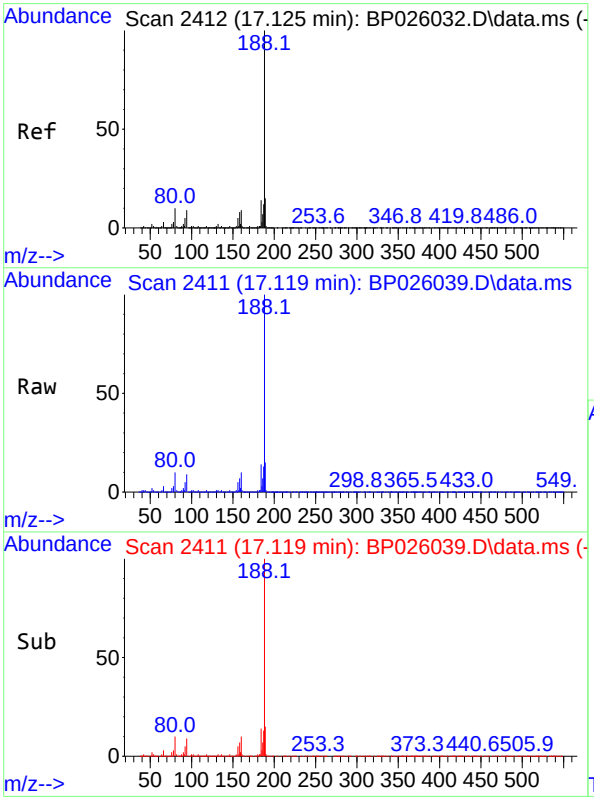
Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.4	46.4
105	22.0	2.2	42.2
51	30.6	10.3	50.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

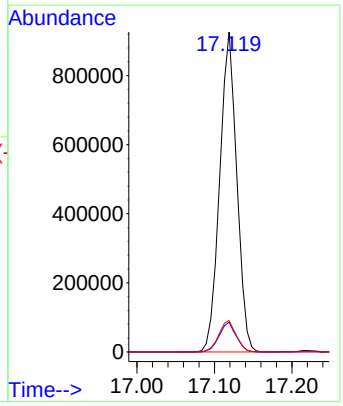
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

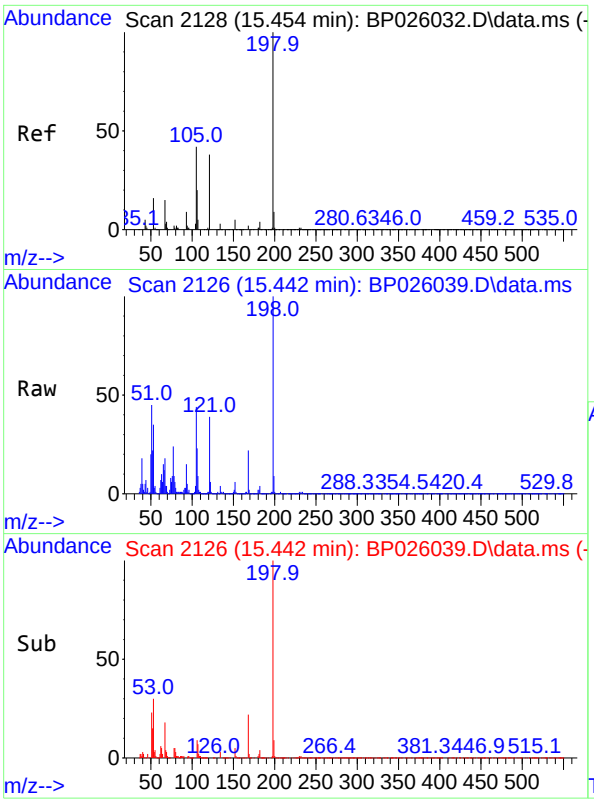


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:188 Resp: 1418803

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	9.8	7.9	11.9

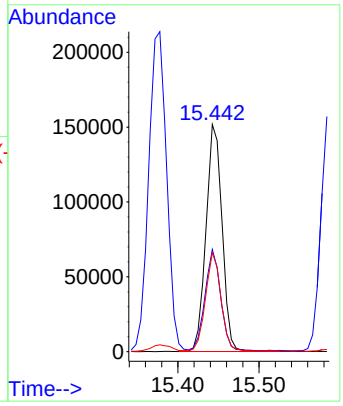




#65
4,6-Dinitro-2-methylphenol
Concen: 38.703 ng
RT: 15.442 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:198 Resp: 20802

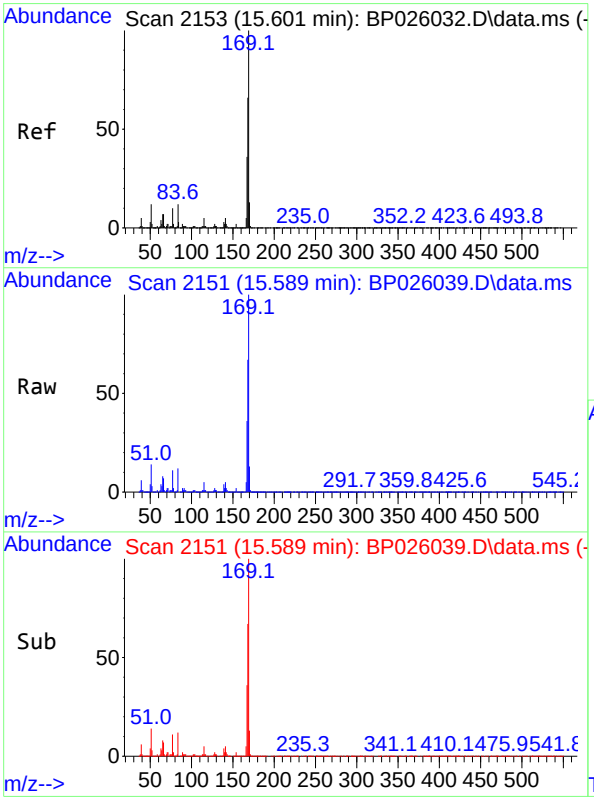
Ion	Ratio	Lower	Upper
198	100		
51	45.0	25.2	65.2
105	43.6	23.7	63.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

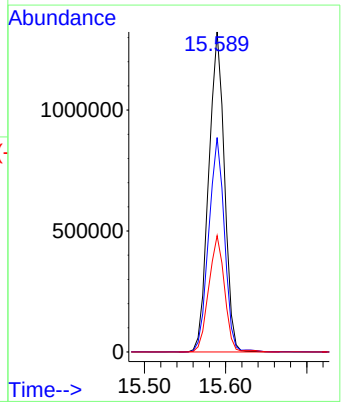
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

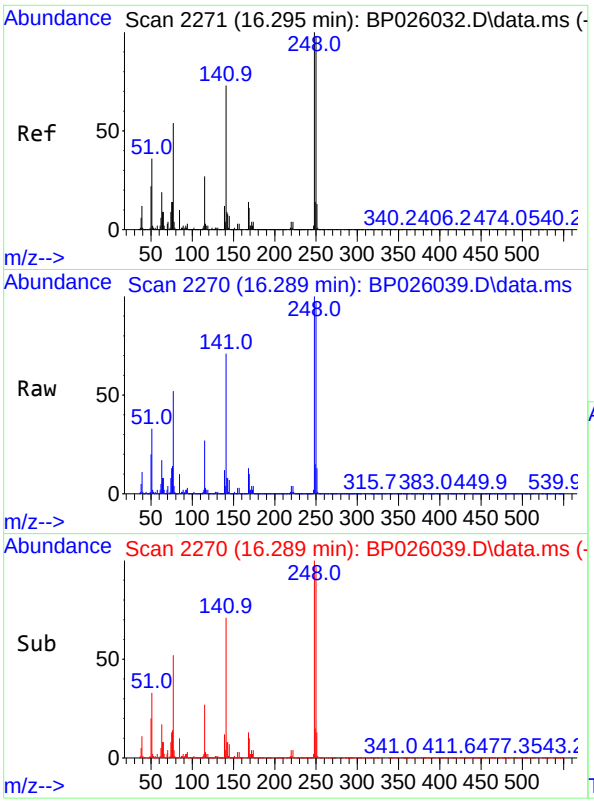


#66
n-Nitrosodiphenylamine
Concen: 39.988 ng
RT: 15.589 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:169 Resp: 1773887

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.9	79.3
167	36.4	28.9	43.3

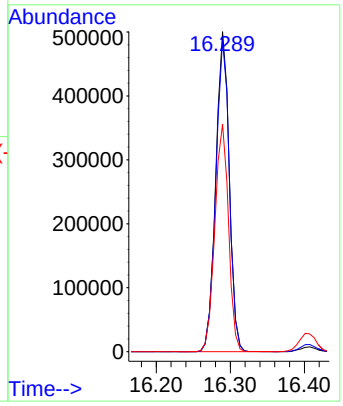




#67
4-Bromophenyl-phenylether
Concen: 40.051 ng
RT: 16.289 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:248 Resp: 63033

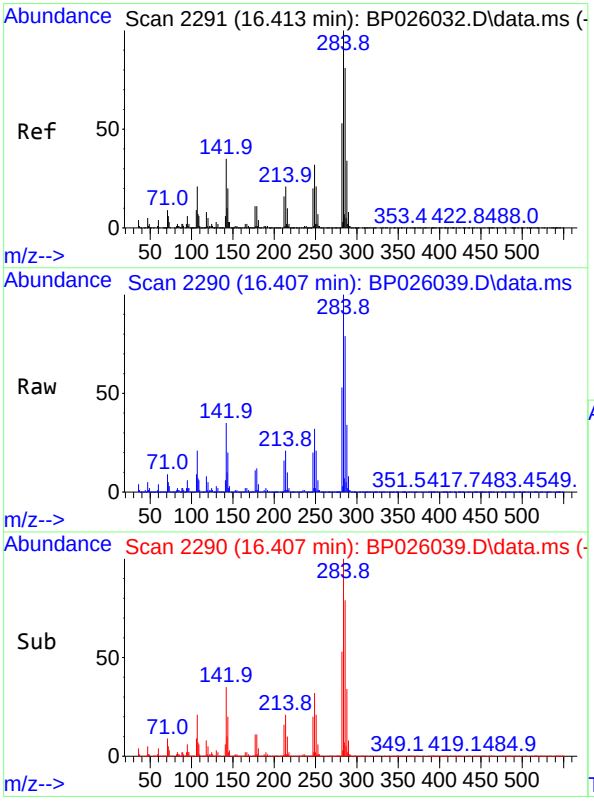
Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.4	117.6
141	71.1	58.3	87.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

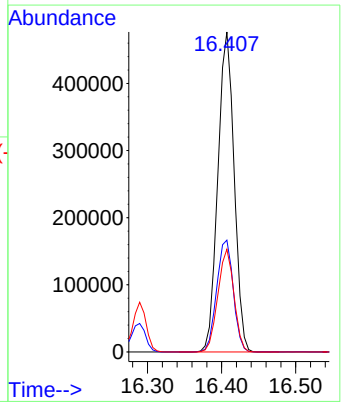
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

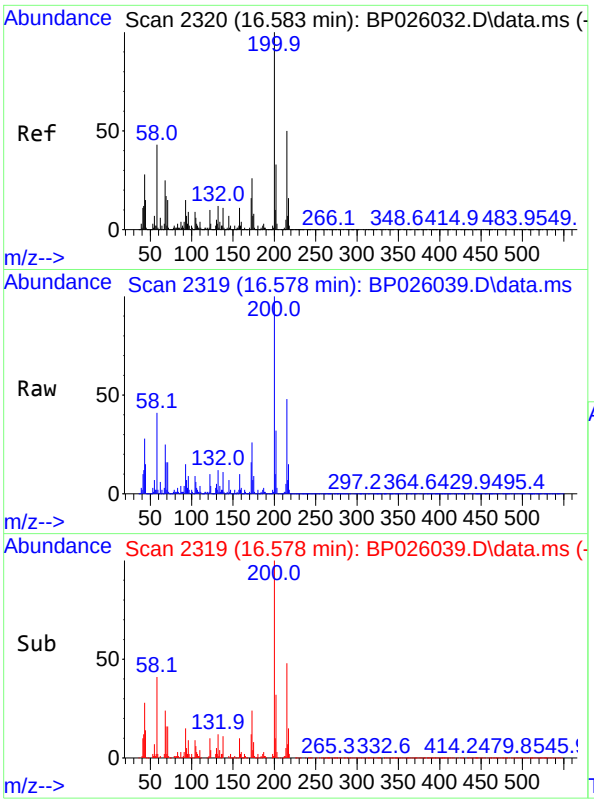


#68
Hexachlorobenzene
Concen: 40.547 ng
RT: 16.407 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:284 Resp: 726440

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.7	41.5
249	32.1	25.5	38.3

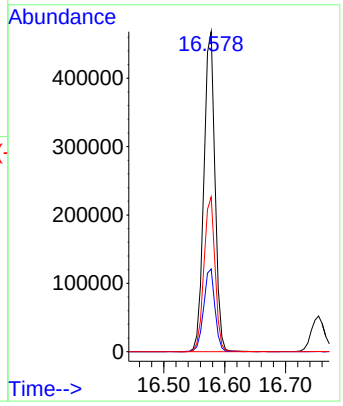




#69
Atrazine
Concen: 39.684 ng
RT: 16.578 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:200 Resp: 59385

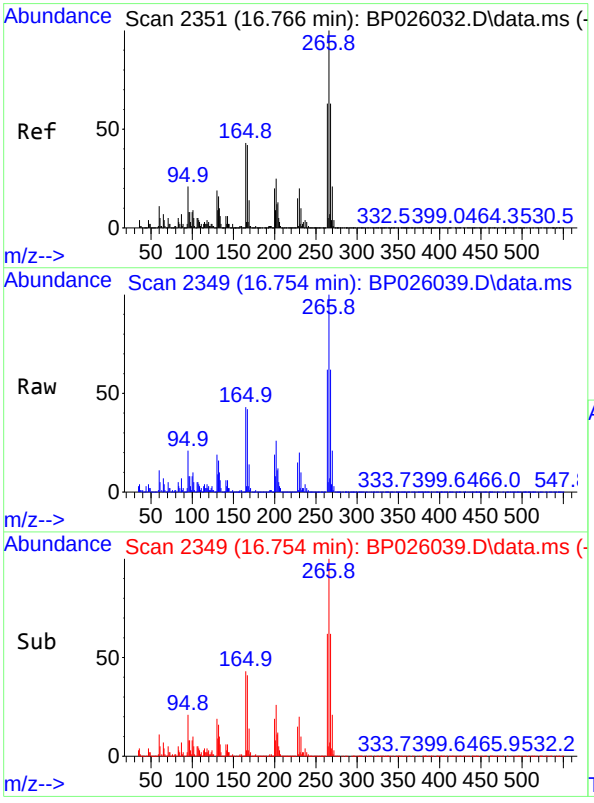
Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.2	46.2
215	48.3	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

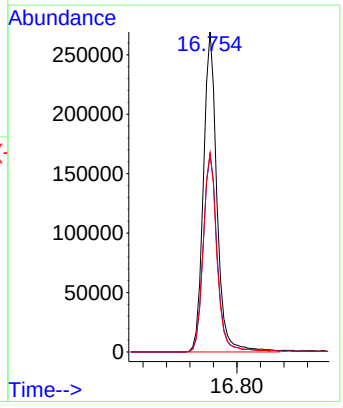
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

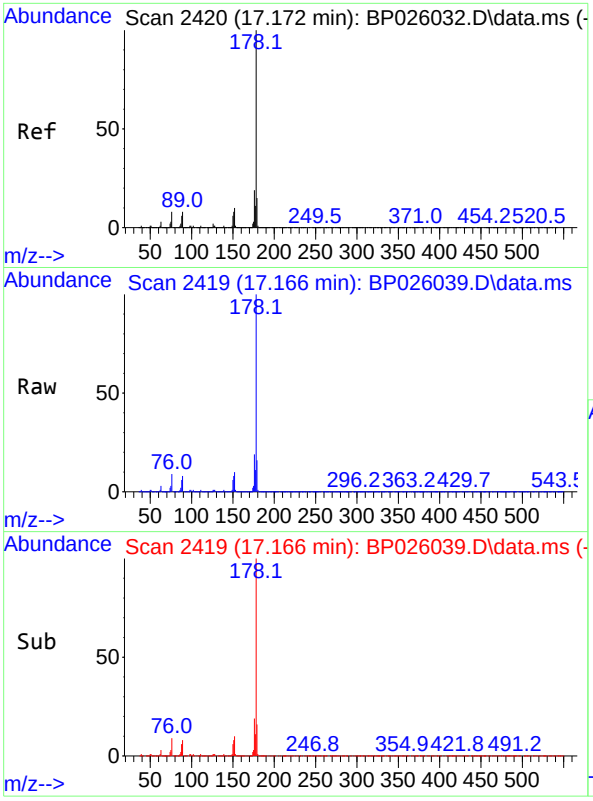


#70
Pentachlorophenol
Concen: 39.267 ng
RT: 16.754 min Scan# 2349
Delta R.T. -0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:266 Resp: 429716

Ion	Ratio	Lower	Upper
266	100		
268	61.7	50.6	76.0
264	62.3	50.2	75.4

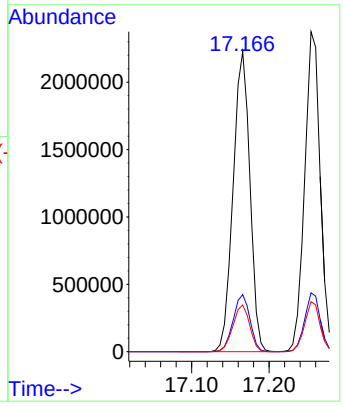




#71
Phenanthrene
Concen: 40.558 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:178 Resp: 334929

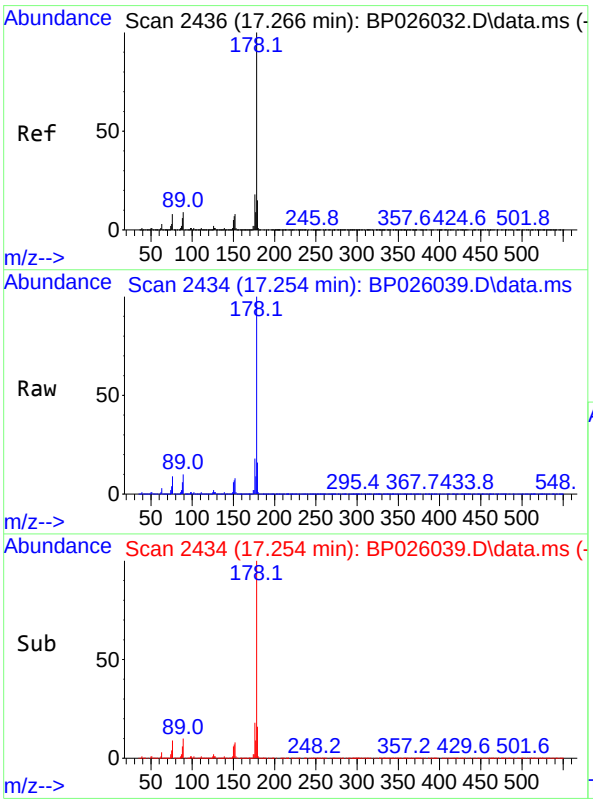
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

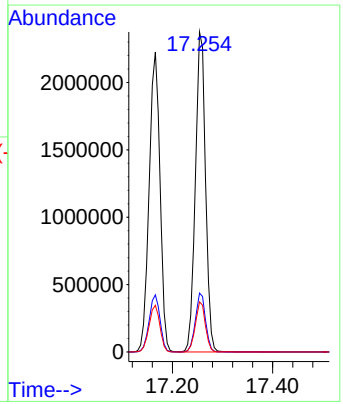
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

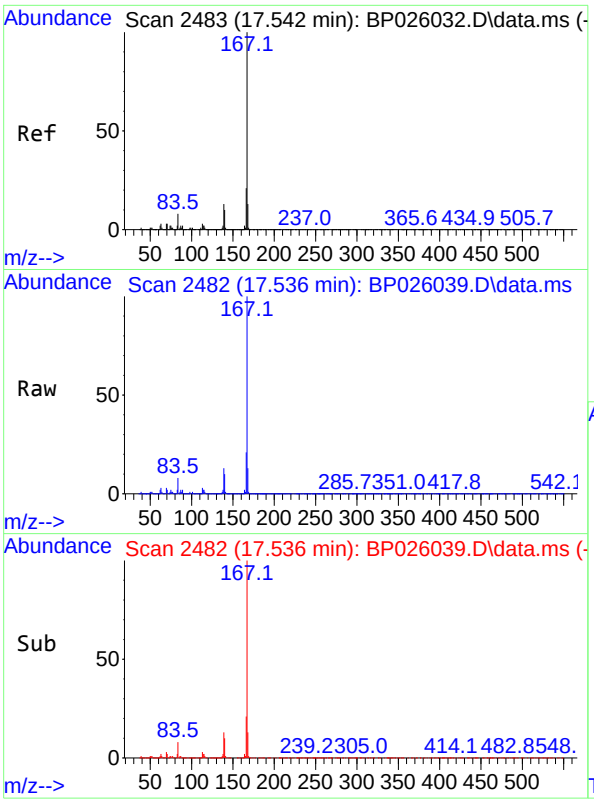


#72
Anthracene
Concen: 40.616 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:178 Resp: 3324791

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.7	12.2	18.4

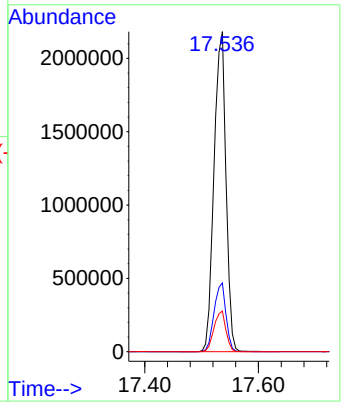




#73
Carbazole
Concen: 40.916 ng
RT: 17.536 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:167 Resp: 317049

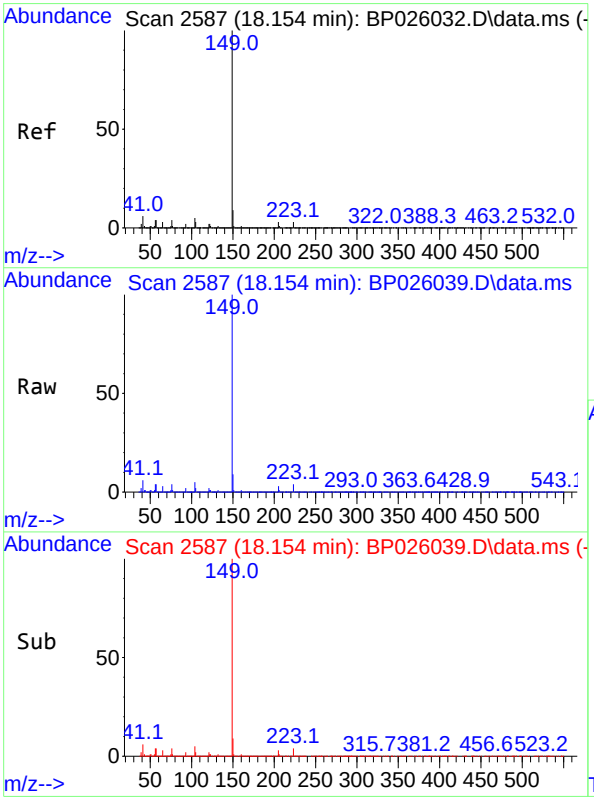
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.7	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

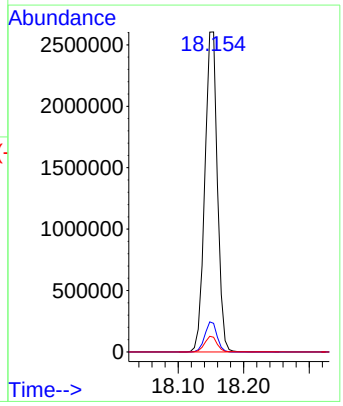
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

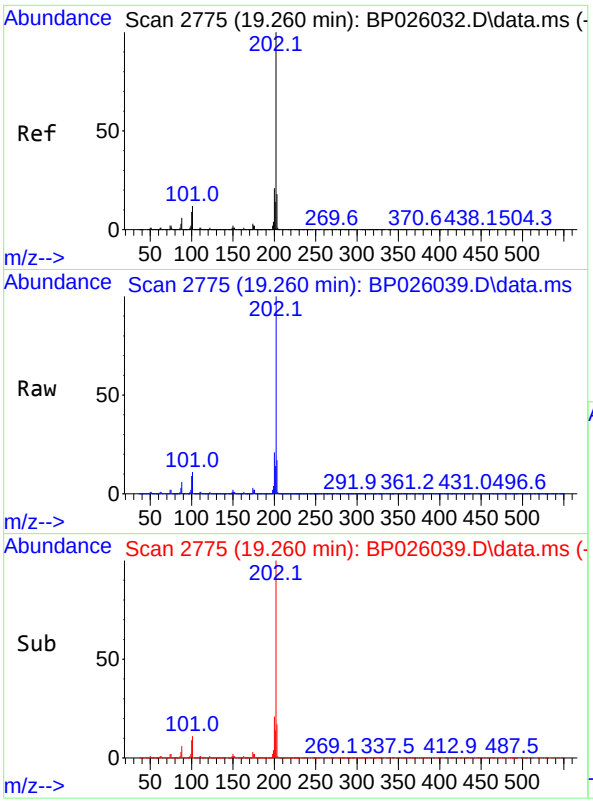


#74
Di-n-butylphthalate
Concen: 40.001 ng
RT: 18.154 min Scan# 2587
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:149 Resp: 3468314

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.6	3.8	5.6





#75
Fluoranthene
Concen: 40.473 ng
RT: 19.260 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

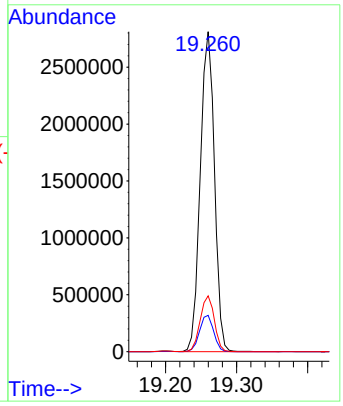
Tgt Ion:202 Resp: 389887

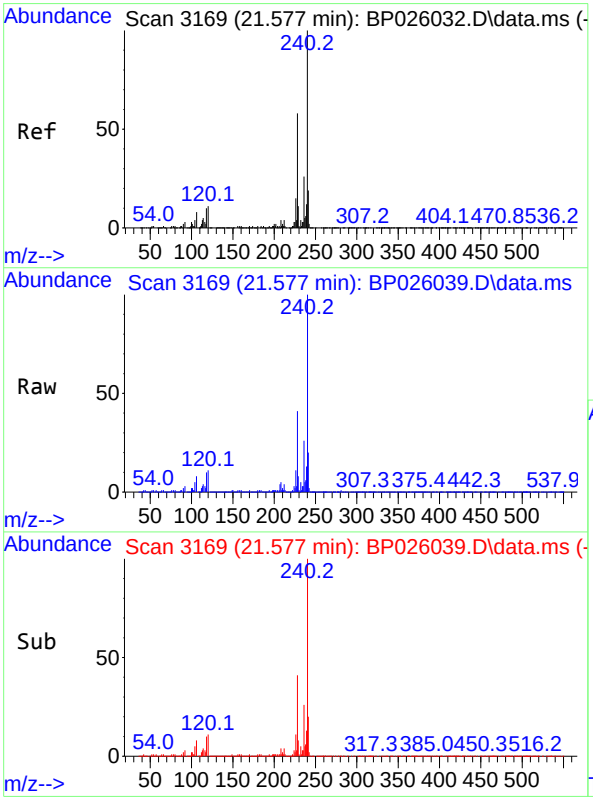
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.1
203	17.4	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

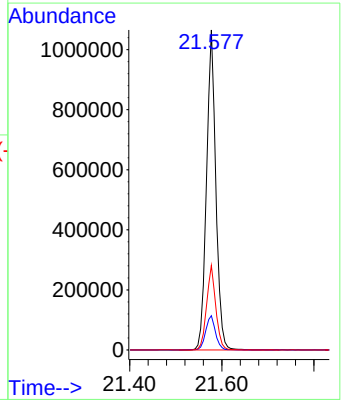


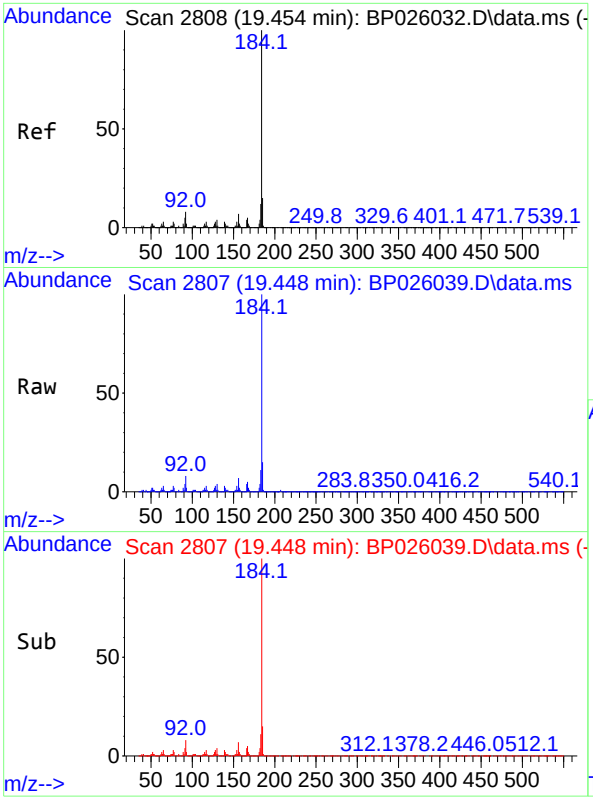


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:240 Resp: 1511217

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.4	20.6	31.0

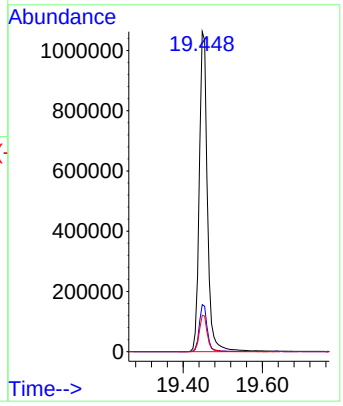




#77
Benzidine
Concen: 39.205 ng
RT: 19.448 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:184 Resp: 150386

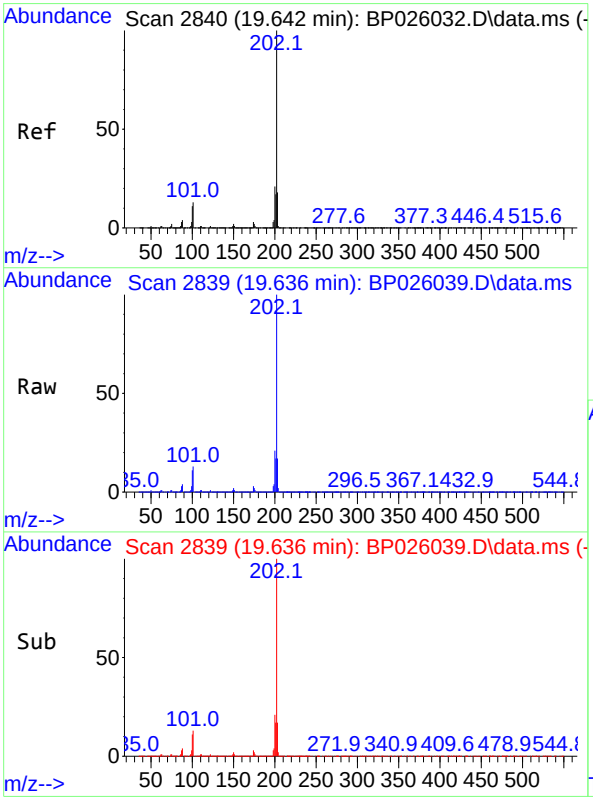
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.4	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

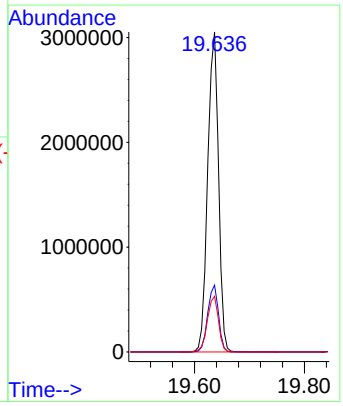
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

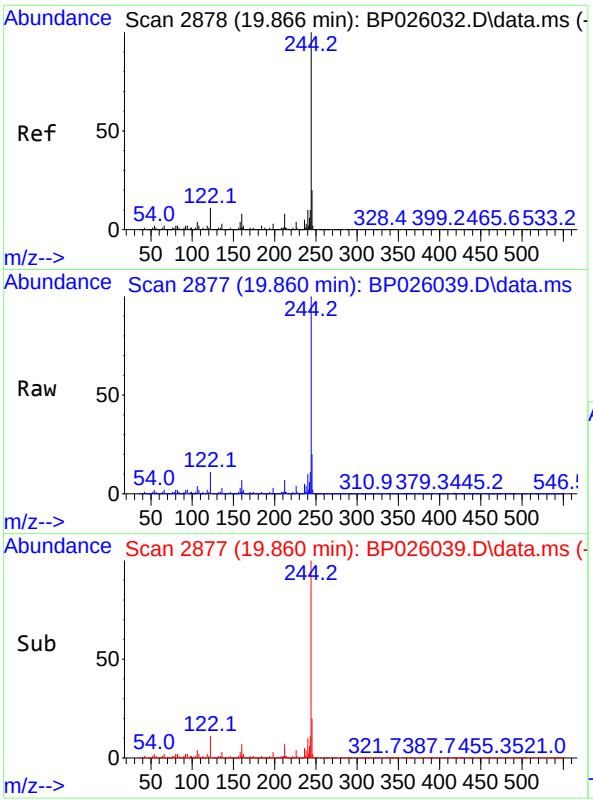


#78
Pyrene
Concen: 40.702 ng
RT: 19.636 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:202 Resp: 4160171

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.4	14.0	21.0

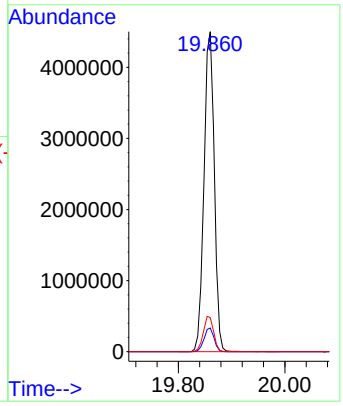




#79
Terphenyl-d14
Concen: 81.137 ng
RT: 19.860 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:244 Resp: 603516

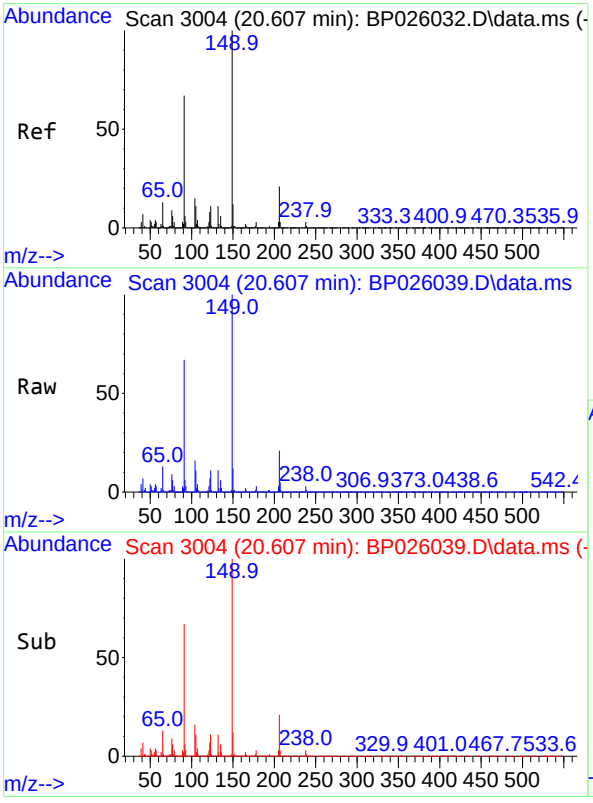
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.6	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

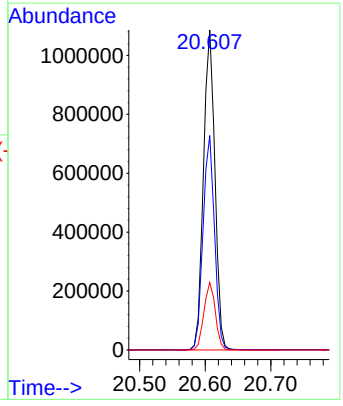
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

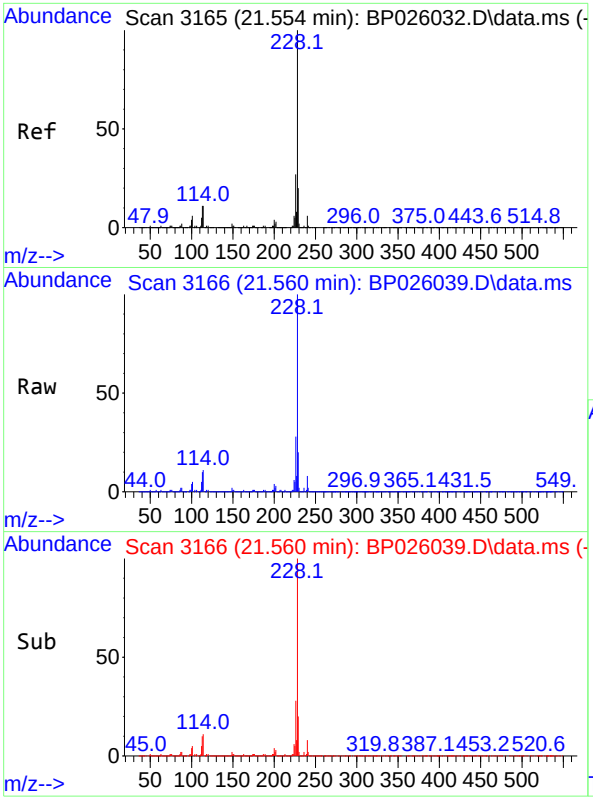


#80
Butylbenzylphthalate
Concen: 35.613 ng
RT: 20.607 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:149 Resp: 1323012

Ion	Ratio	Lower	Upper
149	100		
91	67.0	53.5	80.3
206	21.0	16.6	25.0

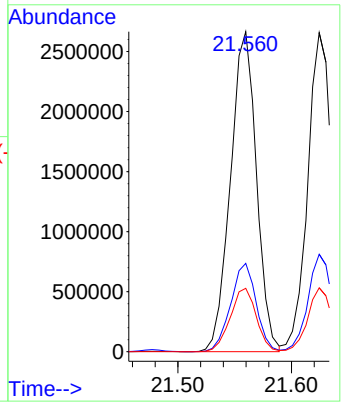




#81
Benzo(a)anthracene
Concen: 40.844 ng
RT: 21.560 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:228 Resp: 424152

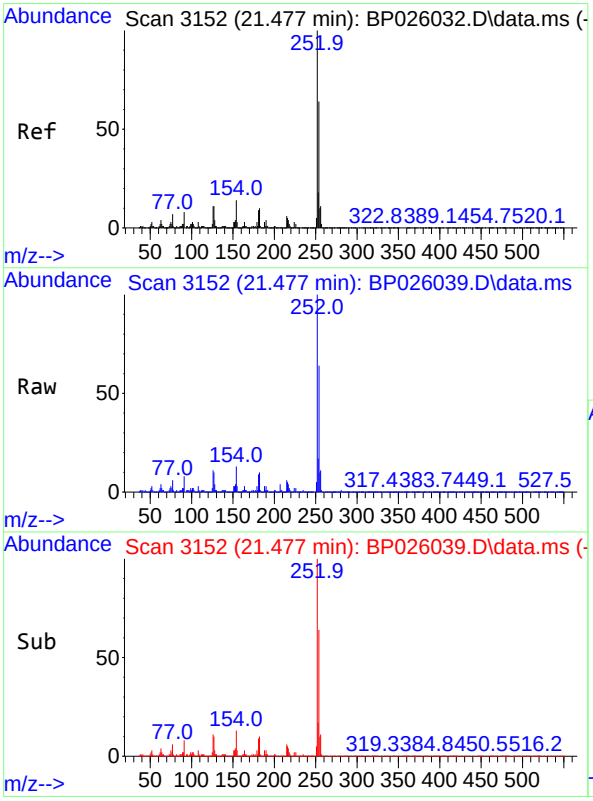
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.7	32.5
229	19.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

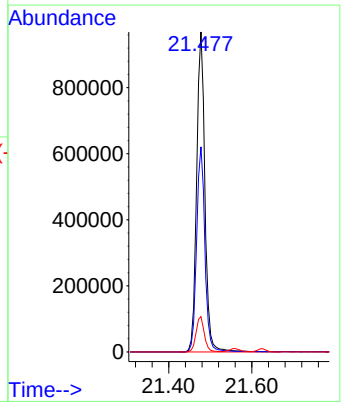
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

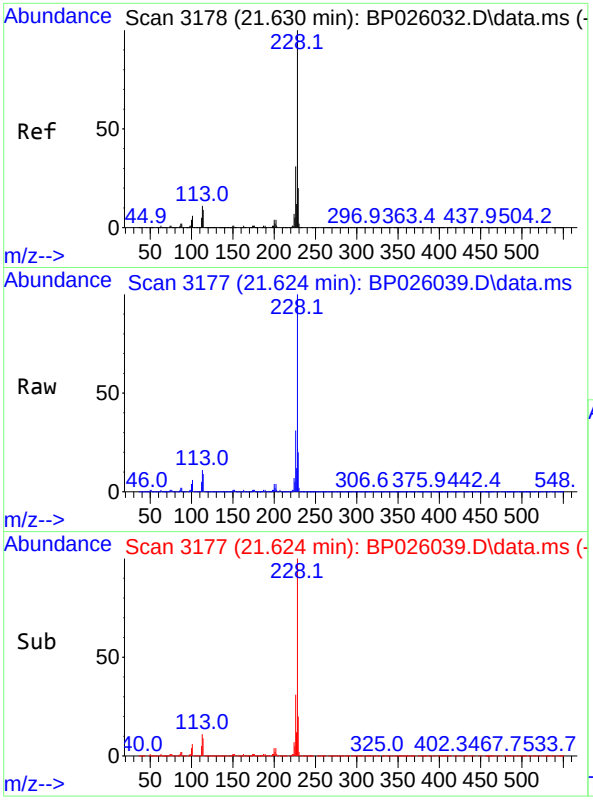


#82
3,3'-Dichlorobenzidine
Concen: 40.149 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:252 Resp: 1343349

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	11.1	9.1	13.7

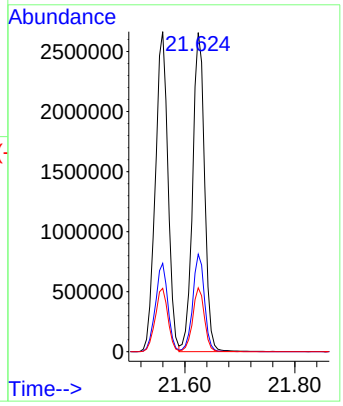




#83
Chrysene
Concen: 40.574 ng
RT: 21.624 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:228 Resp: 399130

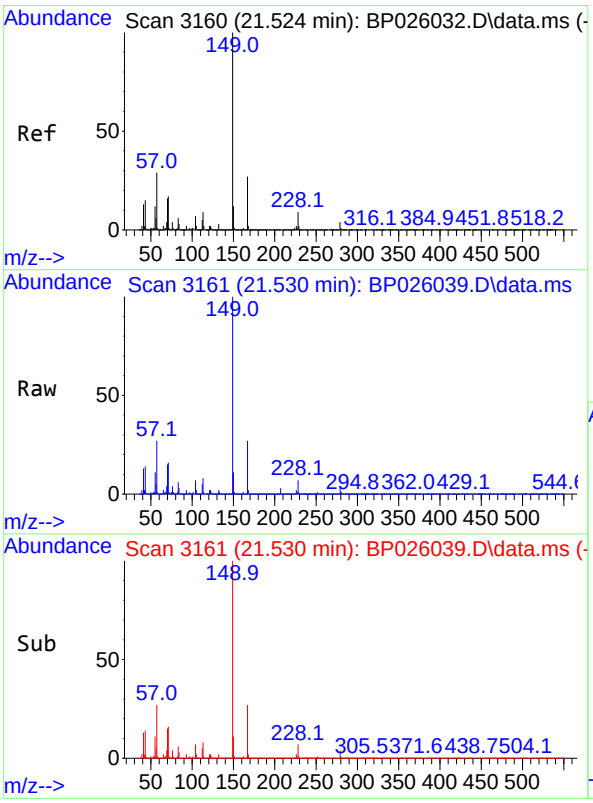
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

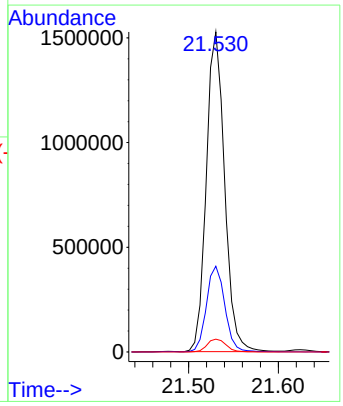
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

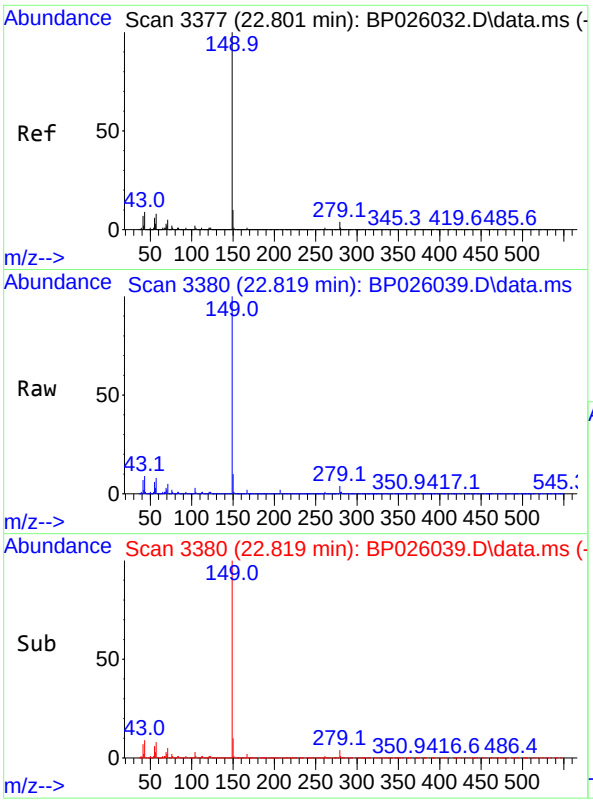


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.199 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:149 Resp: 2163572

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.5	32.3
279	4.0	3.0	4.6

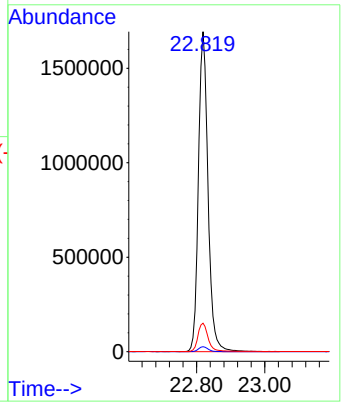




#85
Di-n-octyl phthalate
Concen: 36.718 ng
RT: 22.819 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:149 Resp: 330317

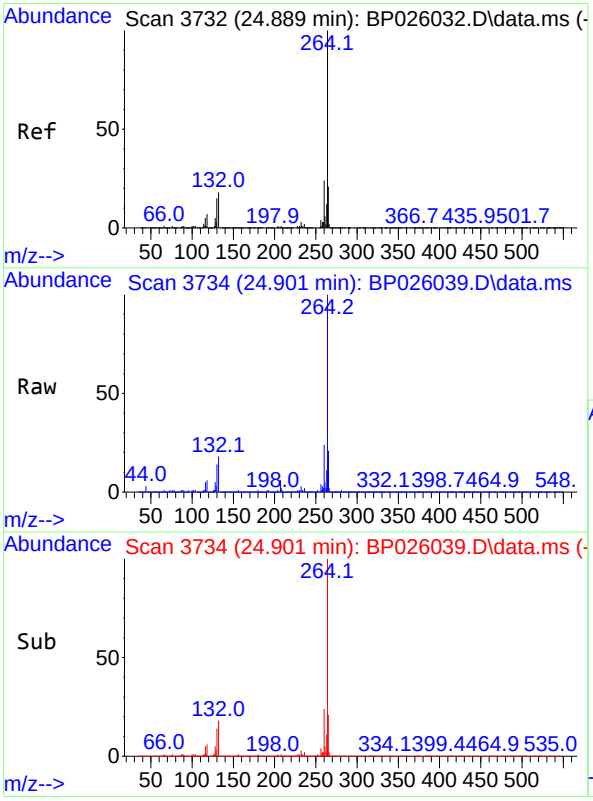
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.7	7.6	11.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

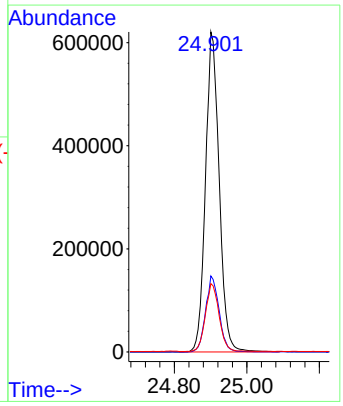
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

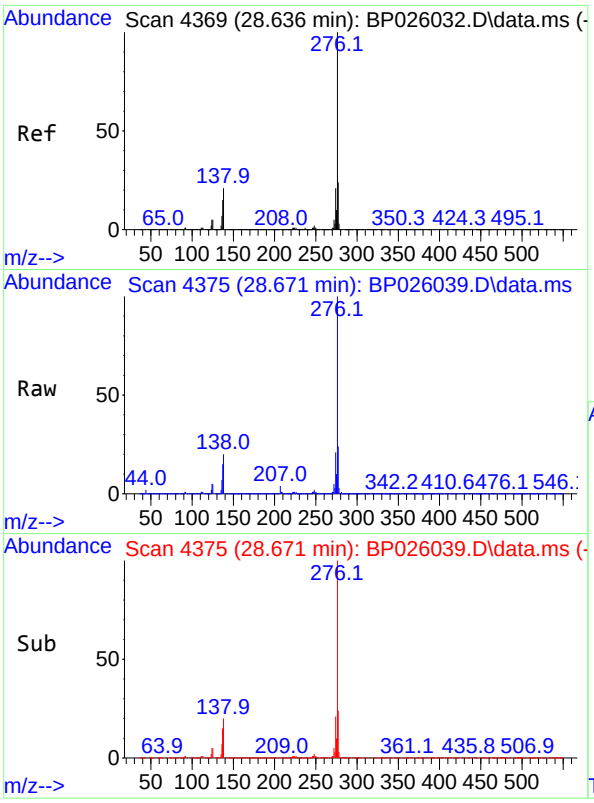


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:264 Resp: 1625760

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.4	17.2	25.8

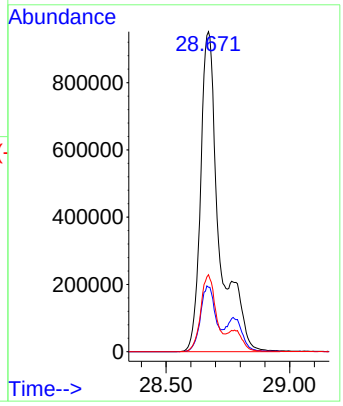




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.819 ng m
RT: 28.671 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:276 Resp: 501936

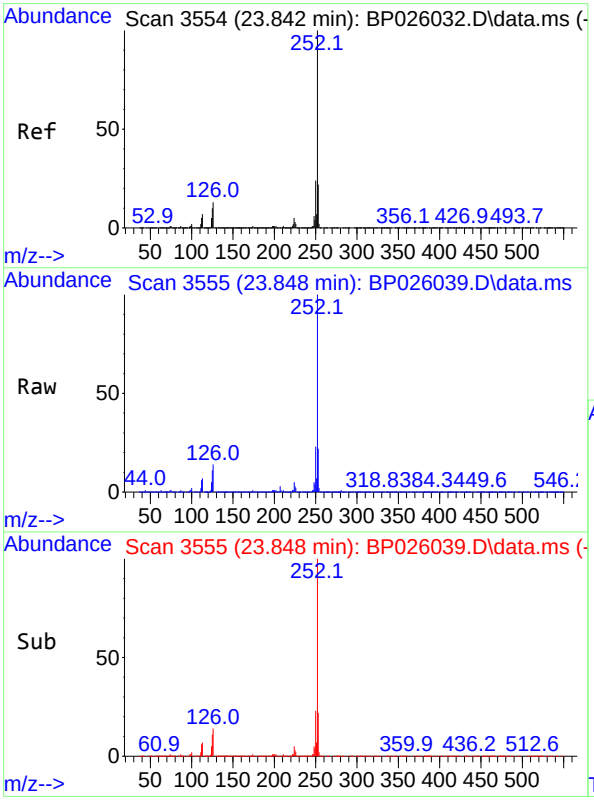
Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.2	19.8
277	19.4	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

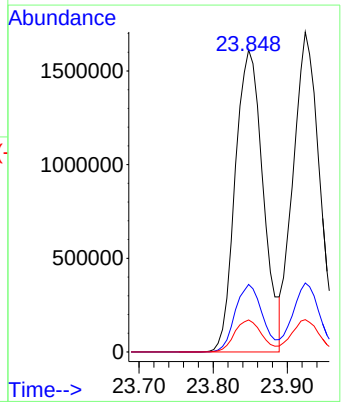
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

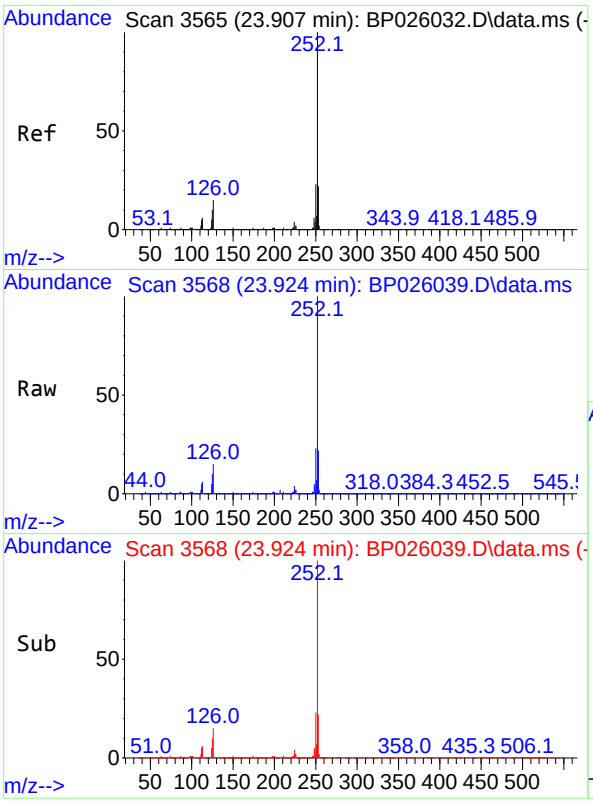


#88
Benzo(b)fluoranthene
Concen: 41.929 ng
RT: 23.848 min Scan# 3555
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:252 Resp: 4231748

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.6	8.1	12.1

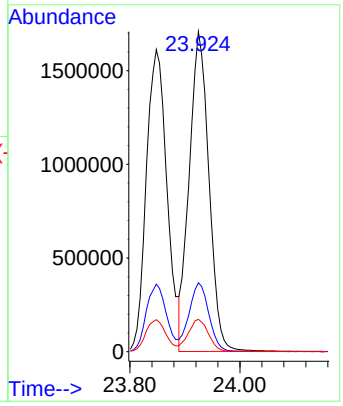




#89
Benzo(k)fluoranthene
Concen: 41.079 ng
RT: 23.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:252 Resp: 423367

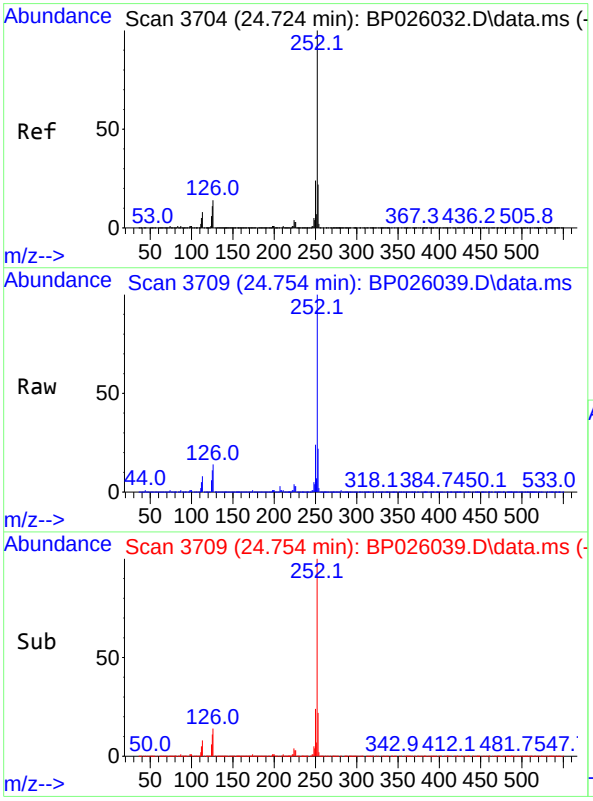
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.1	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

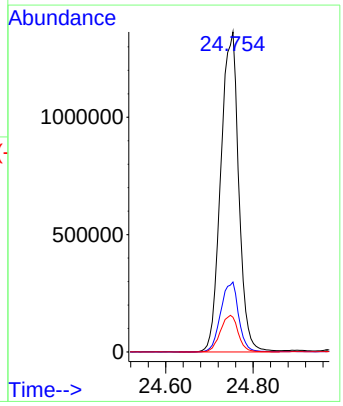
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

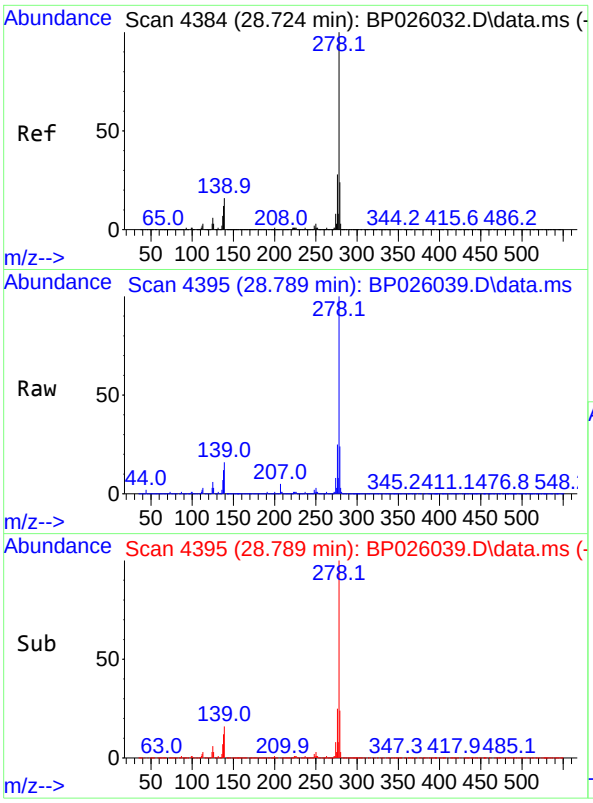


#90
Benzo(a)pyrene
Concen: 41.745 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:252 Resp: 3870587

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.9	9.1	13.7

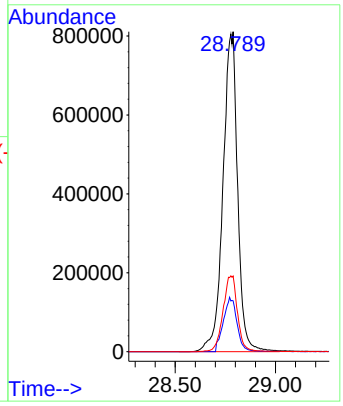




#91
Dibenzo(a,h)anthracene
Concen: 42.003 ng
RT: 28.789 min Scan# 4
Delta R.T. 0.041 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:278 Resp: 410260

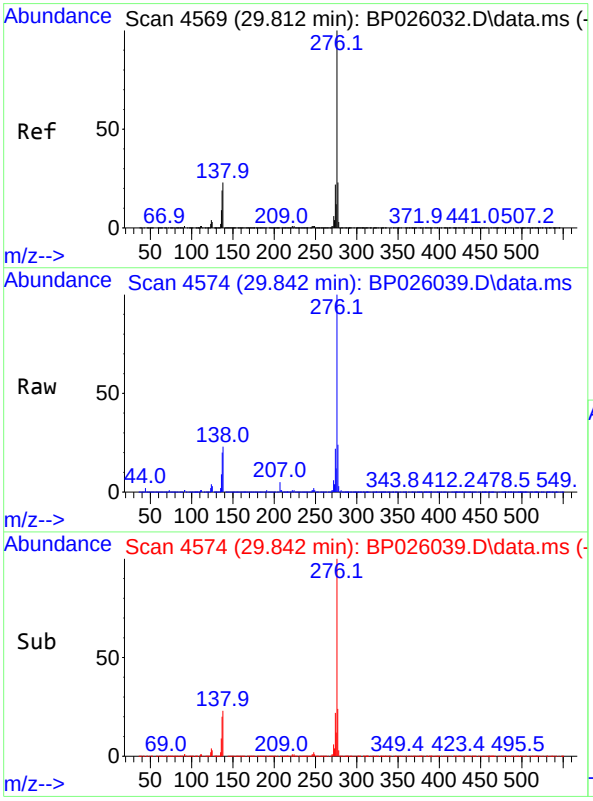
Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.6
279	23.6	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

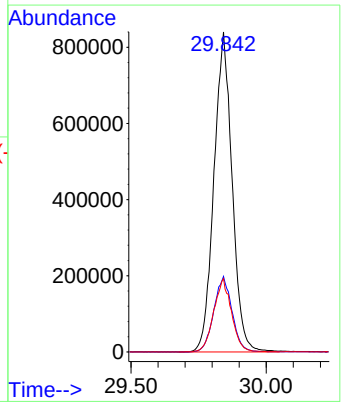
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#92
Benzo(g,h,i)perylene
Concen: 41.605 ng
RT: 29.842 min Scan# 4574
Delta R.T. 0.012 min
Lab File: BP026039.D
Acq: 30 Oct 2025 11:15

Tgt Ion:276 Resp: 3910516

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	22.9	18.1	27.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	96	-0.01
2		1,4-Dioxane	0.511	0.525	-2.7	98	0.00
3		Pyridine	1.453	1.480	-1.9	96	0.00
4		n-Nitrosodimethylamine	0.582	0.584	-0.3	96	0.00
5	S	2-Fluorophenol	1.212	1.236	-2.0	95	0.00
6		Aniline	2.059	2.077	-0.9	94	0.00
7	S	Phenol-d6	1.543	1.568	-1.6	93	0.00
8		2-Chlorophenol	1.342	1.357	-1.1	93	0.00
9		Benzaldehyde	0.802	0.773	3.6	92	0.00
10	C	Phenol	1.713	1.727	-0.8	93	0.00
11		bis(2-Chloroethyl)ether	1.352	1.357	-0.4	95	-0.01
12		1,3-Dichlorobenzene	1.541	1.558	-1.1	95	0.00
13	C	1,4-Dichlorobenzene	1.558	1.571	-0.8	95	-0.01
14		1,2-Dichlorobenzene	1.487	1.497	-0.7	95	0.00
15		Benzyl Alcohol	1.112	1.089	2.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	2.043	2.012	1.5	92	0.00
17		2-Methylphenol	1.121	1.140	-1.7	93	0.00
18		Hexachloroethane	0.533	0.539	-1.1	94	0.00
19	P	n-Nitroso-di-n-propylamine	0.958	0.982	-2.5	92	-0.01
20		3+4-Methylphenols	1.560	1.546	0.9	92	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.506	0.513	-1.4	93	-0.01
23	S	Nitrobenzene-d5	0.321	0.339	-5.6	94	0.00
24		Nitrobenzene	0.339	0.357	-5.3	94	0.00
25		Isophorone	0.687	0.694	-1.0	90	0.00
26	C	2-Nitrophenol	0.104	0.120	-15.4	88	0.00
27		2,4-Dimethylphenol	0.289	0.295	-2.1	91	0.00
28		bis(2-Chloroethoxy)methane	0.433	0.440	-1.6	92	0.00
29	C	2,4-Dichlorophenol	0.305	0.317	-3.9	91	0.00
30		1,2,4-Trichlorobenzene	0.331	0.341	-3.0	94	0.00
31		Naphthalene	1.091	1.115	-2.2	94	0.00
32		Benzoic acid	0.163	0.151	7.4	84	-0.04
33		4-Chloroaniline	0.419	0.436	-4.1	94	0.00
34	C	Hexachlorobutadiene	0.211	0.216	-2.4	94	0.00
35		Caprolactam	0.107	0.107	0.0	89	-0.04
36	C	4-Chloro-3-methylphenol	0.320	0.331	-3.4	90	-0.01
37		2-Methylnaphthalene	0.763	0.775	-1.6	91	0.00
38		1-Methylnaphthalene	0.742	0.759	-2.3	93	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.621	0.636	-2.4	93	0.00
41	P	Hexachlorocyclopentadiene	0.227	0.218	4.0	85	0.00
42	S	2,4,6-Tribromophenol	0.216	0.226	-4.6	88	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.385	-4.9	89	0.00
44		2,4,5-Trichlorophenol	0.419	0.437	-4.3	89	0.00
45	S	2-Fluorobiphenyl	1.392	1.414	-1.6	92	-0.01
46		1,1'-Biphenyl	1.531	1.547	-1.0	92	0.00
47		2-Chloronaphthalene	1.205	1.220	-1.2	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	0.272	0.295	-8.5	90	-0.01
49		Acenaphthylene	1.756	1.798	-2.4	91	-0.01
50		Dimethylphthalate	1.455	1.472	-1.2	90	-0.01
51		2,6-Dinitrotoluene	0.237	0.261	-10.1	92	0.00
52	C	Acenaphthene	1.206	1.238	-2.7	92	-0.01
53		3-Nitroaniline	0.291	0.324	-11.3	93	0.00
54	P	2,4-Dinitrophenol	0.100	0.093	7.0	86	-0.01
55		Dibenzofuran	1.822	1.845	-1.3	91	-0.01
56	P	4-Nitrophenol	0.290	0.274	5.5	89	-0.01
57		2,4-Dinitrotoluene	0.347	0.384	-10.7	90	-0.01
58		Fluorene	1.427	1.447	-1.4	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.344	-4.2	87	-0.01
60		Diethylphthalate	1.463	1.454	0.6	87	0.00
61		4-Chlorophenyl-phenylether	0.713	0.709	0.6	90	-0.01
62		4-Nitroaniline	0.311	0.342	-10.0	93	-0.02
63		Azobenzene	1.325	1.349	-1.8	91	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
65		4,6-Dinitro-2-methylphenol	0.077	0.073	5.2	87	-0.01
66	c	n-Nitrosodiphenylamine	0.625	0.625	0.0	88	-0.01
67		4-Bromophenyl-phenylether	0.222	0.222	0.0	89	-0.01
68		Hexachlorobenzene	0.253	0.256	-1.2	91	-0.01
69		Atrazine	0.211	0.209	0.9	87	0.00
70	C	Pentachlorophenol	0.154	0.151	1.9	86	-0.01
71		Phenanthrene	1.164	1.180	-1.4	91	0.00
72		Anthracene	1.154	1.172	-1.6	91	0.00
73		Carbazole	1.092	1.117	-2.3	90	0.00
74		Di-n-butylphthalate	1.222	1.222	0.0	84	0.00
75	C	Fluoranthene	1.358	1.374	-1.2	89	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.01
77		Benzidine	0.508	0.498	2.0	88	0.00
78		Pyrene	1.353	1.376	-1.7	89	0.00
79	S	Terphenyl-d14	0.984	0.998	-1.4	90	0.00
80		Butylbenzylphthalate	0.432	0.438	-1.4	81	0.00
81		Benzo(a)anthracene	1.374	1.403	-2.1	91	0.01
82		3,3'-Dichlorobenzidine	0.443	0.444	-0.2	88	0.00
83		Chrysene	1.302	1.321	-1.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.718	0.716	0.3	79	0.01
85	c	Di-n-octyl phthalate	1.191	1.093	8.2	78	0.02
86	I	Perylene-d12	1.000	1.000	0.0	92	0.02
87		Indeno(1,2,3-cd)pyrene	1.477	1.544	-4.5	91	0.01
88		Benzo(b)fluoranthene	1.242	1.301	-4.8	92	0.00
89		Benzo(k)fluoranthene	1.268	1.302	-2.7	90	0.00
90	C	Benzo(a)pyrene	1.141	1.190	-4.3	91	0.01
91		Dibenzo(a,h)anthracene	1.202	1.262	-5.0	91	0.04
92		Benzo(g,h,i)perylene	1.156	1.203	-4.1	92	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	96	-0.01
2		1,4-Dioxane	40.000	41.109	-2.8	98	0.00
3		Pyridine	40.000	40.767	-1.9	96	0.00
4		n-Nitrosodimethylamine	40.000	40.119	-0.3	96	0.00
5	S	2-Fluorophenol	80.000	81.574	-2.0	95	0.00
6		Aniline	40.000	40.350	-0.9	94	0.00
7	S	Phenol-d6	80.000	81.303	-1.6	93	0.00
8		2-Chlorophenol	40.000	40.445	-1.1	93	0.00
9		Benzaldehyde	40.000	38.573	3.6	92	0.00
10	C	Phenol	40.000	40.331	-0.8	93	0.00
11		bis(2-Chloroethyl)ether	40.000	40.166	-0.4	95	-0.01
12		1,3-Dichlorobenzene	40.000	40.430	-1.1	95	0.00
13	C	1,4-Dichlorobenzene	40.000	40.328	-0.8	95	-0.01
14		1,2-Dichlorobenzene	40.000	40.273	-0.7	95	0.00
15		Benzyl Alcohol	40.000	39.172	2.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.397	1.5	92	0.00
17		2-Methylphenol	40.000	40.646	-1.6	93	0.00
18		Hexachloroethane	40.000	40.423	-1.1	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.034	-2.6	92	-0.01
20		3+4-Methylphenols	40.000	39.634	0.9	92	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	40.585	-1.5	93	-0.01
23	S	Nitrobenzene-d5	80.000	84.525	-5.7	94	0.00
24		Nitrobenzene	40.000	42.154	-5.4	94	0.00
25		Isophorone	40.000	40.404	-1.0	90	0.00
26	C	2-Nitrophenol	40.000	38.969	2.6	88	0.00
27		2,4-Dimethylphenol	40.000	40.803	-2.0	91	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.623	-1.6	92	0.00
29	C	2,4-Dichlorophenol	40.000	41.631	-4.1	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.179	-2.9	94	0.00
31		Naphthalene	40.000	40.897	-2.2	94	0.00
32		Benzoic acid	40.000	37.627	5.9	84	-0.04
33		4-Chloroaniline	40.000	41.648	-4.1	94	0.00
34	C	Hexachlorobutadiene	40.000	41.083	-2.7	94	0.00
35		Caprolactam	40.000	40.137	-0.3	89	-0.04
36	C	4-Chloro-3-methylphenol	40.000	41.480	-3.7	90	-0.01
37		2-Methylnaphthalene	40.000	40.623	-1.6	91	0.00
38		1-Methylnaphthalene	40.000	40.934	-2.3	93	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	93	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.951	-2.4	93	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.348	4.1	85	0.00
42	S	2,4,6-Tribromophenol	80.000	83.487	-4.4	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.914	-4.8	89	0.00
44		2,4,5-Trichlorophenol	40.000	41.696	-4.2	89	0.00
45	S	2-Fluorobiphenyl	80.000	81.295	-1.6	92	-0.01
46		1,1'-Biphenyl	40.000	40.406	-1.0	92	0.00
47		2-Chloronaphthalene	40.000	40.509	-1.3	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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	38.606	3.5	90	-0.01
49		Acenaphthylene	40.000	40.959	-2.4	91	-0.01
50		Dimethylphthalate	40.000	40.477	-1.2	90	-0.01
51		2,6-Dinitrotoluene	40.000	38.999	2.5	92	0.00
52	C	Acenaphthene	40.000	41.060	-2.7	92	-0.01
53		3-Nitroaniline	40.000	40.012	-0.0	93	0.00
54	P	2,4-Dinitrophenol	40.000	38.351	4.1	86	-0.01
55		Dibenzofuran	40.000	40.520	-1.3	91	-0.01
56	P	4-Nitrophenol	40.000	37.715	5.7	89	-0.01
57		2,4-Dinitrotoluene	40.000	39.067	2.3	90	-0.01
58		Fluorene	40.000	40.550	-1.4	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.703	-4.3	87	-0.01
60		Diethylphthalate	40.000	39.757	0.6	87	0.00
61		4-Chlorophenyl-phenylether	40.000	39.813	0.5	90	-0.01
62		4-Nitroaniline	40.000	44.010	-10.0	93	-0.02
63		Azobenzene	40.000	40.697	-1.7	91	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	91	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.703	3.2	87	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.988	0.0	88	-0.01
67		4-Bromophenyl-phenylether	40.000	40.051	-0.1	89	-0.01
68		Hexachlorobenzene	40.000	40.547	-1.4	91	-0.01
69		Atrazine	40.000	39.684	0.8	87	0.00
70	C	Pentachlorophenol	40.000	39.267	1.8	86	-0.01
71		Phenanthrene	40.000	40.558	-1.4	91	0.00
72		Anthracene	40.000	40.616	-1.5	91	0.00
73		Carbazole	40.000	40.916	-2.3	90	0.00
74		Di-n-butylphthalate	40.000	40.001	-0.0	84	0.00
75	C	Fluoranthene	40.000	40.473	-1.2	89	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.01
77		Benzidine	40.000	39.205	2.0	88	0.00
78		Pyrene	40.000	40.702	-1.8	89	0.00
79	S	Terphenyl-d14	80.000	81.137	-1.4	90	0.00
80		Butylbenzylphthalate	40.000	35.613	11.0	81	0.00
81		Benzo(a)anthracene	40.000	40.844	-2.1	91	0.01
82		3,3'-Dichlorobenzidine	40.000	40.149	-0.4	88	0.00
83		Chrysene	40.000	40.574	-1.4	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.199	9.5	79	0.01
85	c	Di-n-octyl phthalate	40.000	36.718	8.2	78	0.02
86	I	Perylene-d12	20.000	20.000	0.0	92	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.819	-4.5	91	0.01
88		Benzo(b)fluoranthene	40.000	41.929	-4.8	92	0.00
89		Benzo(k)fluoranthene	40.000	41.079	-2.7	90	0.00
90	C	Benzo(a)pyrene	40.000	41.745	-4.4	91	0.01
91		Dibenzo(a,h)anthracene	40.000	42.003	-5.0	91	0.04
92		Benzo(g,h,i)perylene	40.000	41.605	-4.0	92	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026039.D
Acq On : 30 Oct 2025 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Oct 30 12:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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

QC SAMPLE DATA

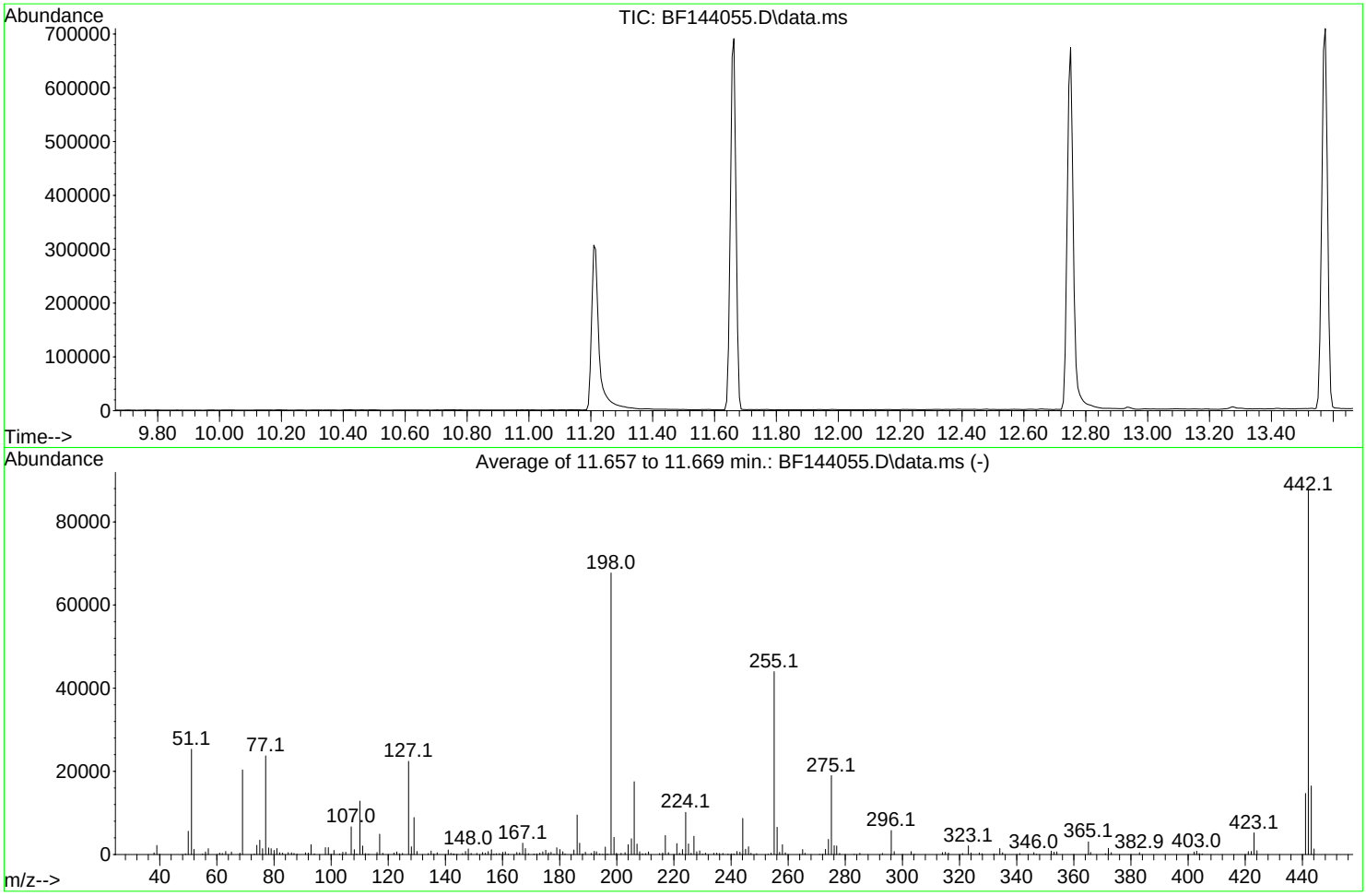
Sample Results: **BF144055.D**

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



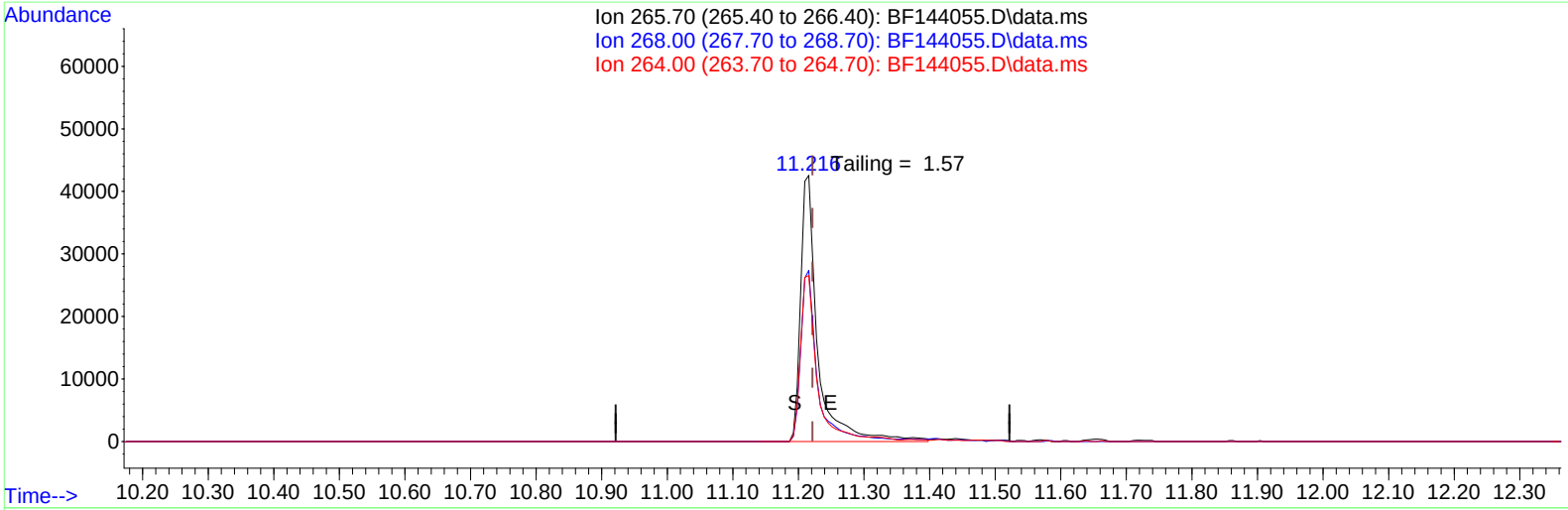
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

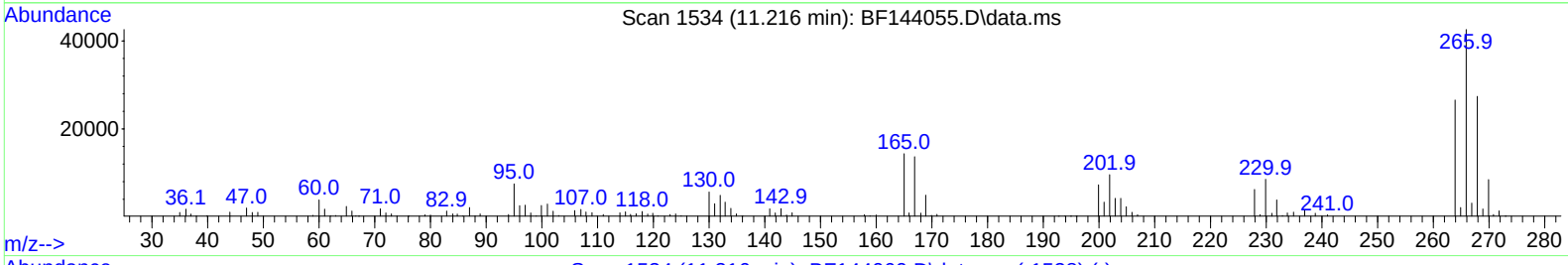
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	333	PASS
69	69	100	100	100.0	20363	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.2	133	PASS
198	198	100	100	100.0	67712	PASS
199	198	5	9	6.1	4142	PASS
365	198	1	100	4.5	3052	PASS
441	443	0.01	150	89.0	14677	PASS
442	442	100	100	100.0	87547	PASS
443	442	15	24	18.8	16486	PASS

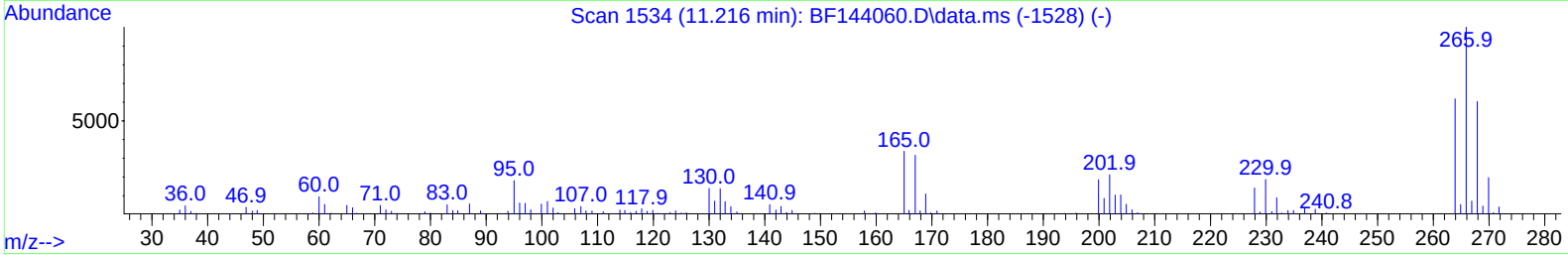
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

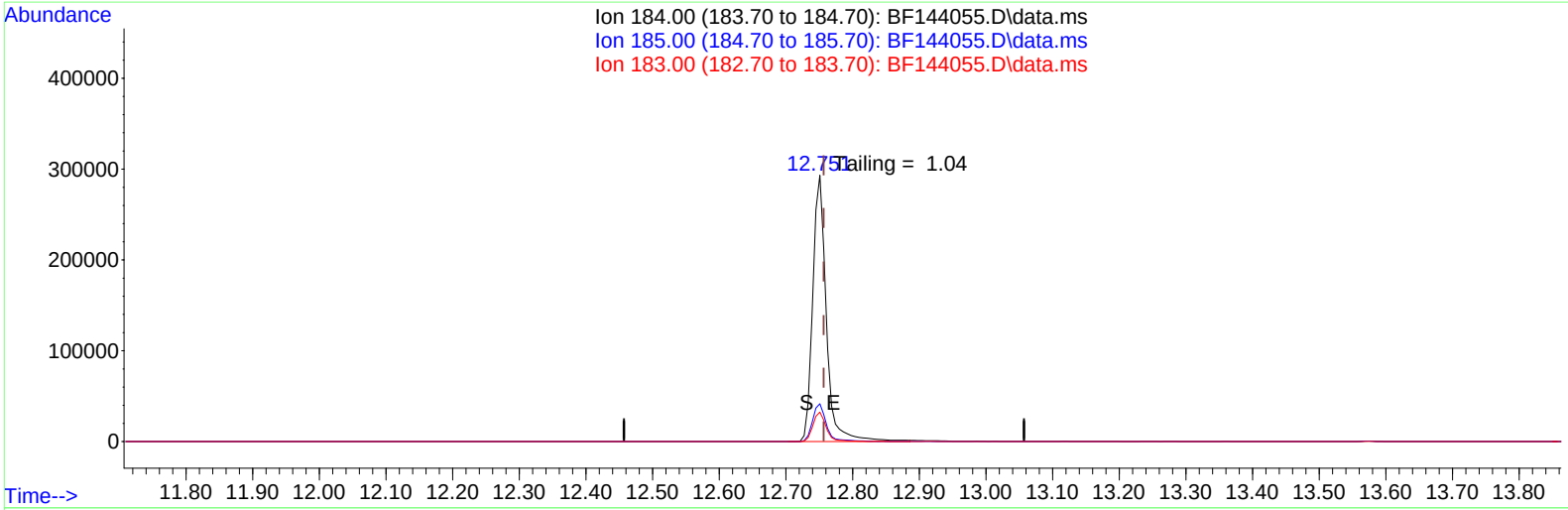
response 76701

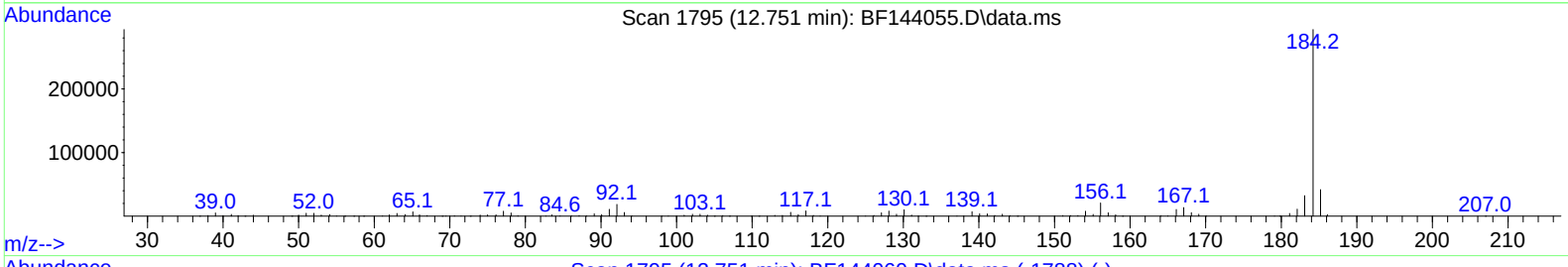
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	64.29
264.00	64.70	62.39
0.00	0.00	0.00

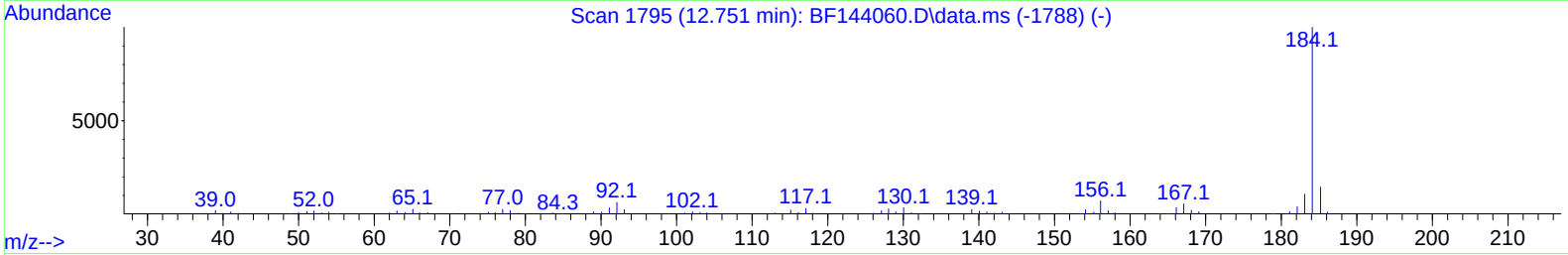
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

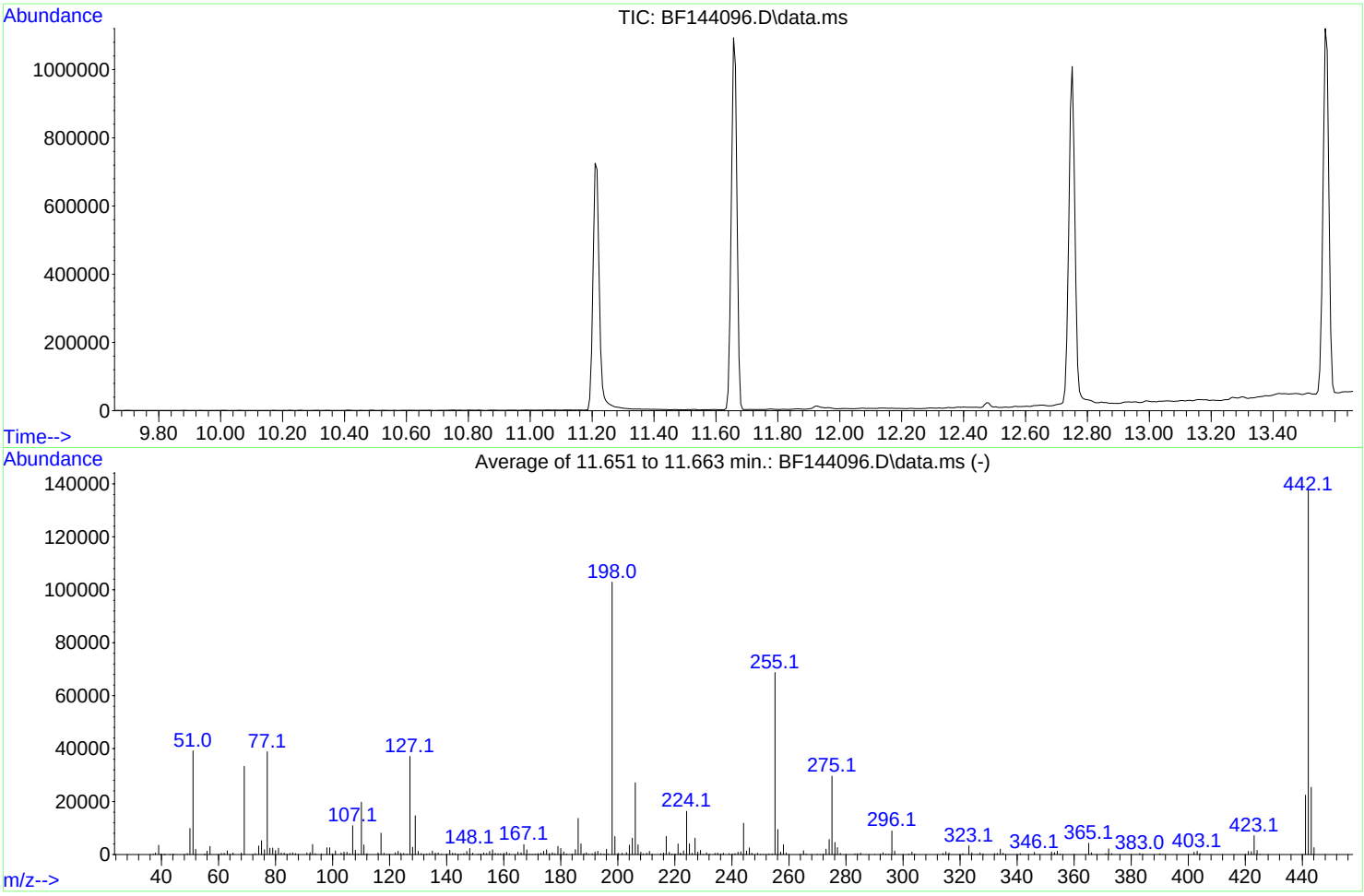
Sample Results: **BF144096.D**

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

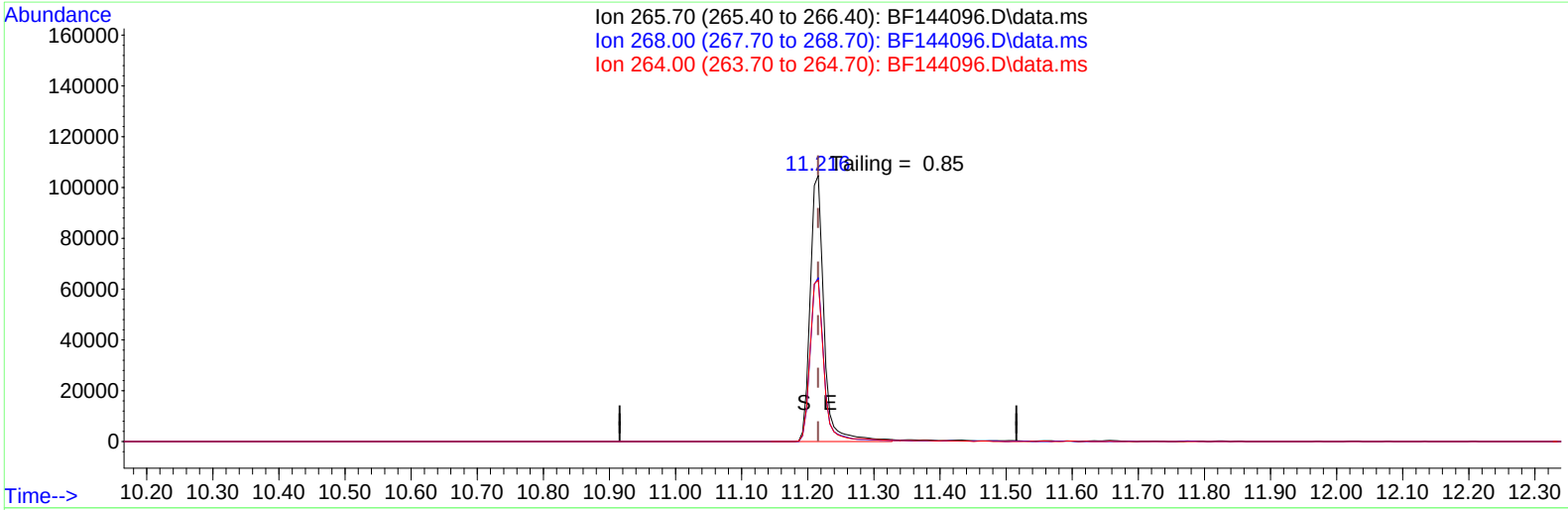
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	551	PASS
69	69	100	100	100.0	33349	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	102923	PASS
199	198	5	9	6.6	6806	PASS
365	198	1	100	4.1	4261	PASS
441	443	0.01	150	88.4	22452	PASS
442	442	100	100	100.0	137480	PASS
443	442	15	24	18.5	25399	PASS

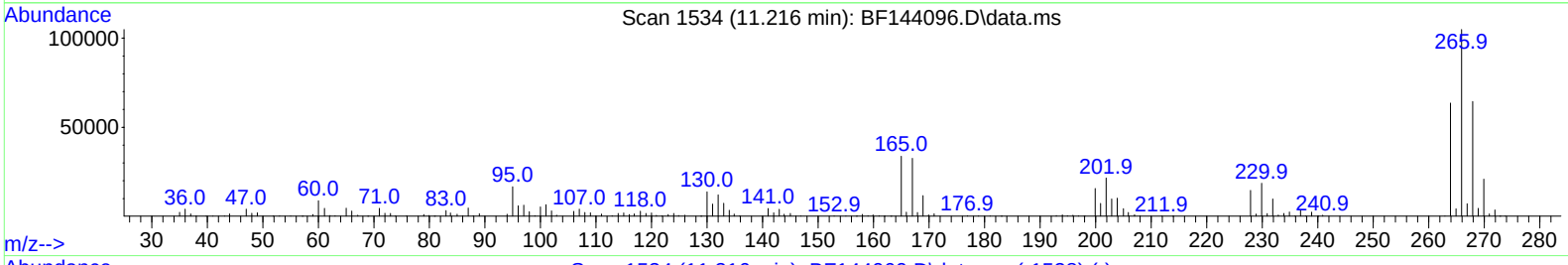
Sample Results: **BF144096.D**

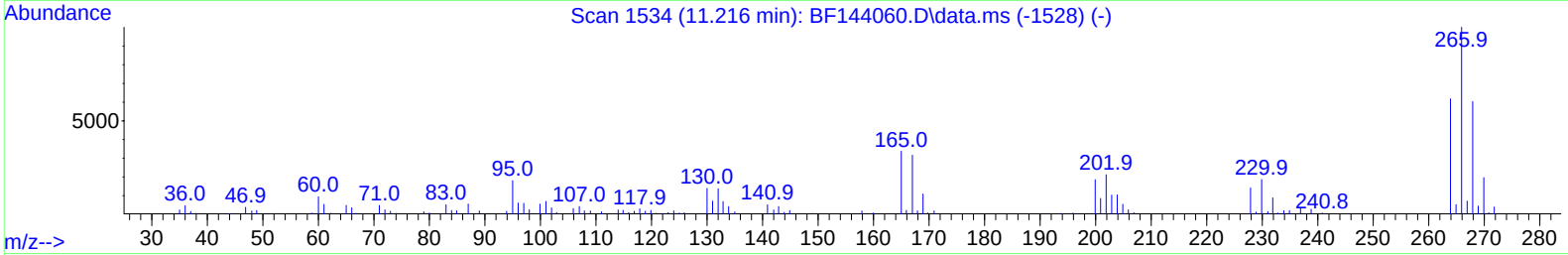
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144096.D
Acq On : 28 Oct 2025 12:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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

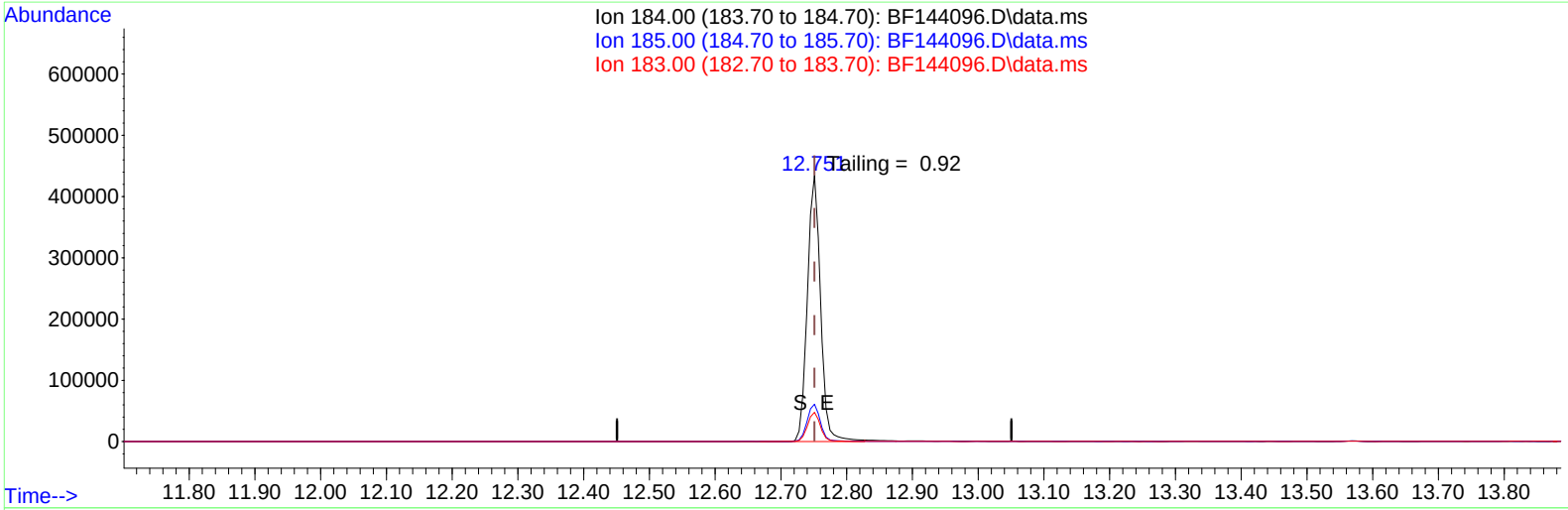
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.30	61.51
264.00	61.70	60.62
0.00	0.00	0.00

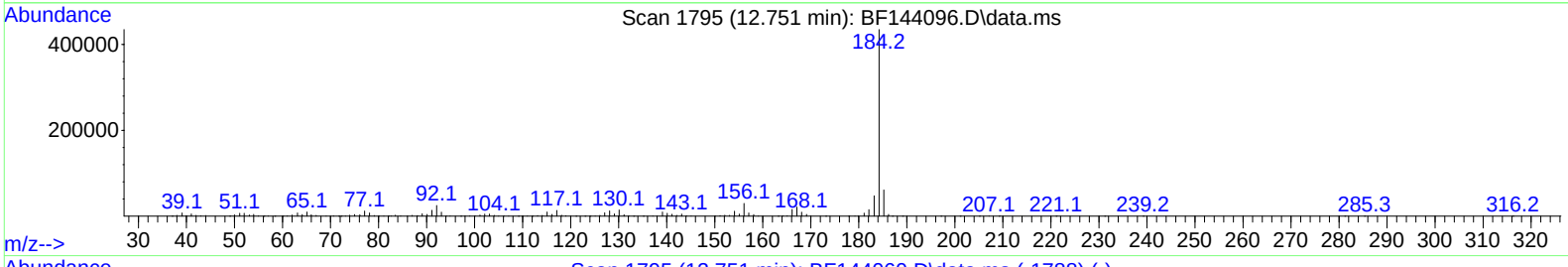
Sample Results: **BF144096.D**

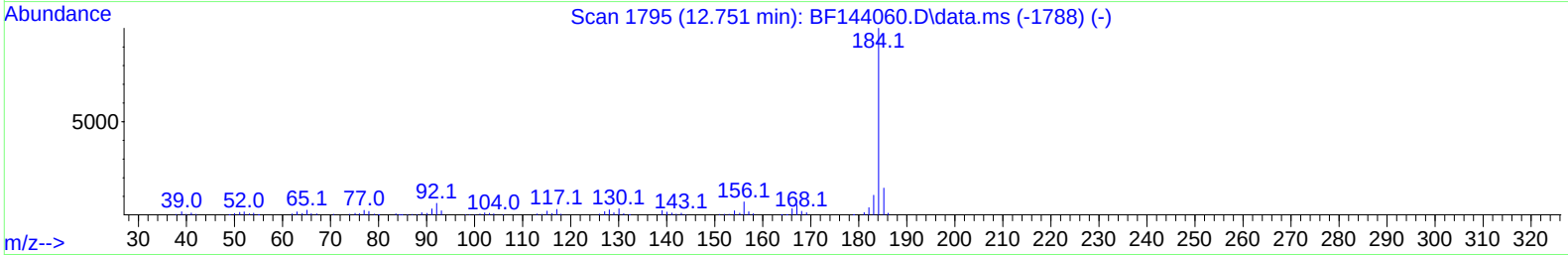
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144096.D
Acq On : 28 Oct 2025 12:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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

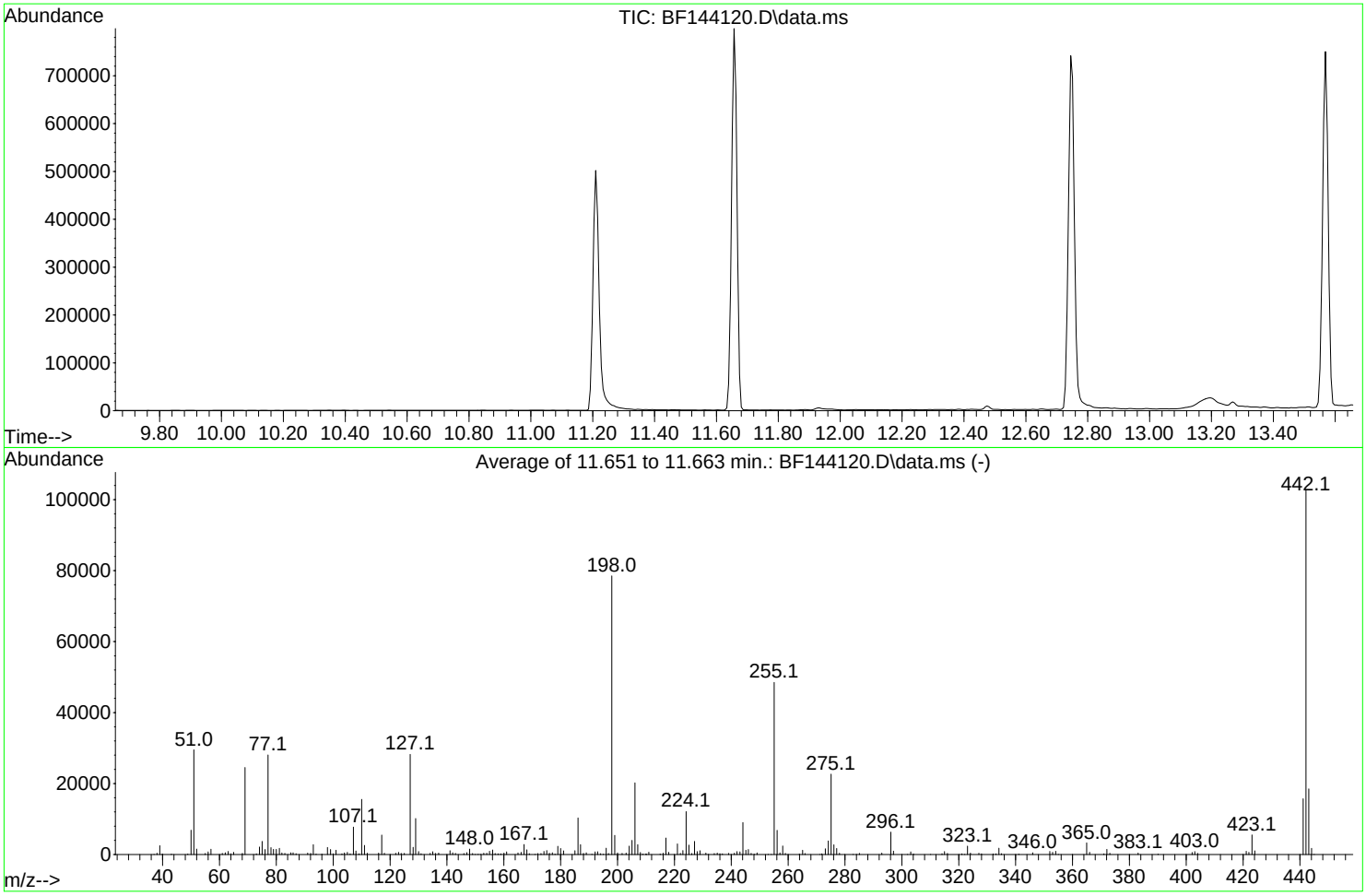
Sample Results: **BF144120.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

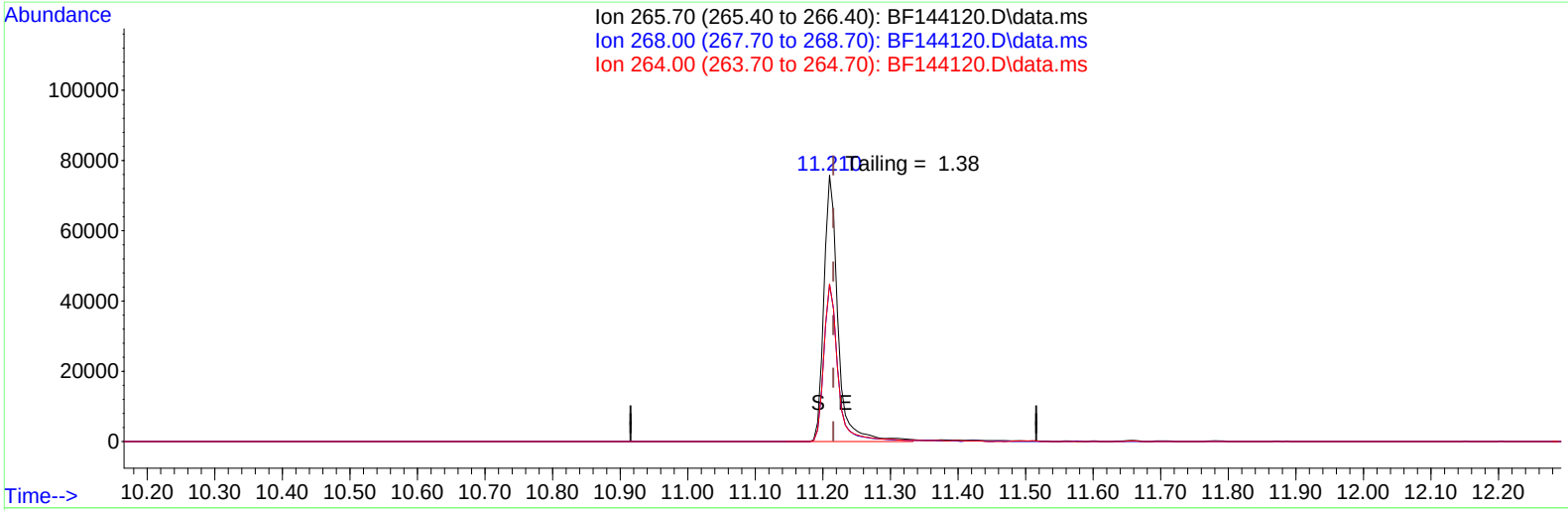
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.3	329	PASS
69	69	100	100	100.0	24539	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.4	309	PASS
198	198	100	100	100.0	78523	PASS
199	198	5	9	6.9	5389	PASS
365	198	1	100	4.2	3266	PASS
441	443	0.01	150	84.9	15712	PASS
442	442	100	100	100.0	102557	PASS
443	442	15	24	18.0	18498	PASS

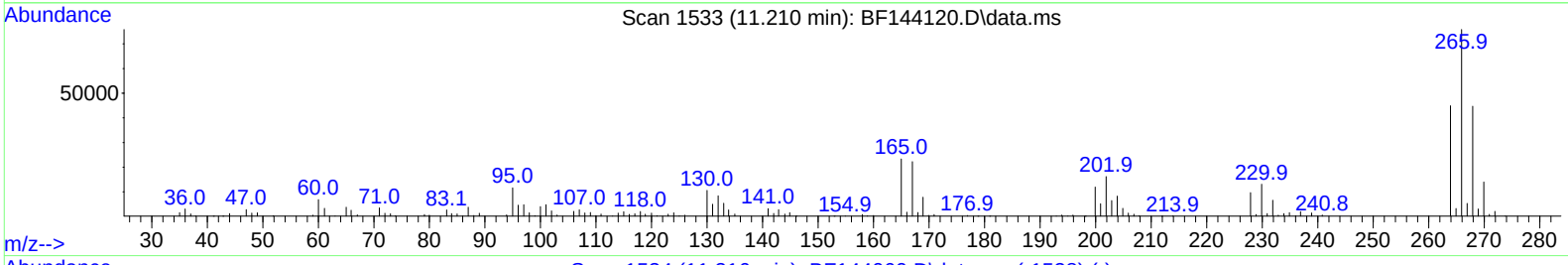
Sample Results: **BF144120.D**

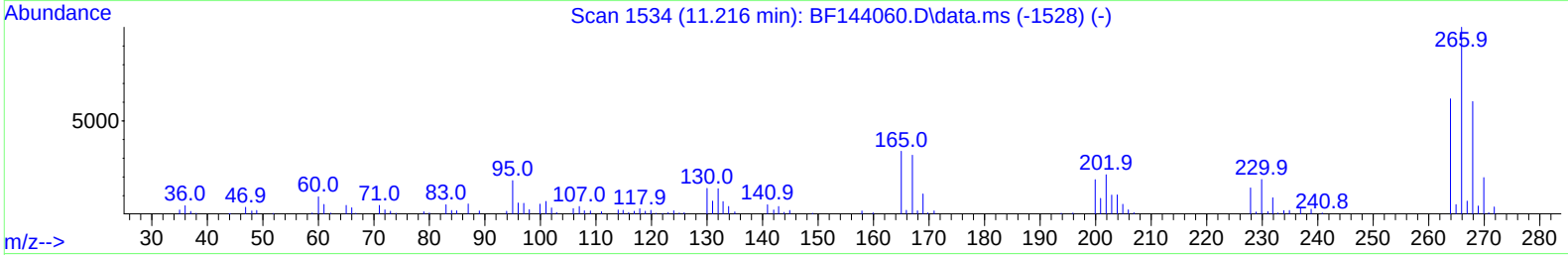
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 29 12:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144120.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 40226.81 ng

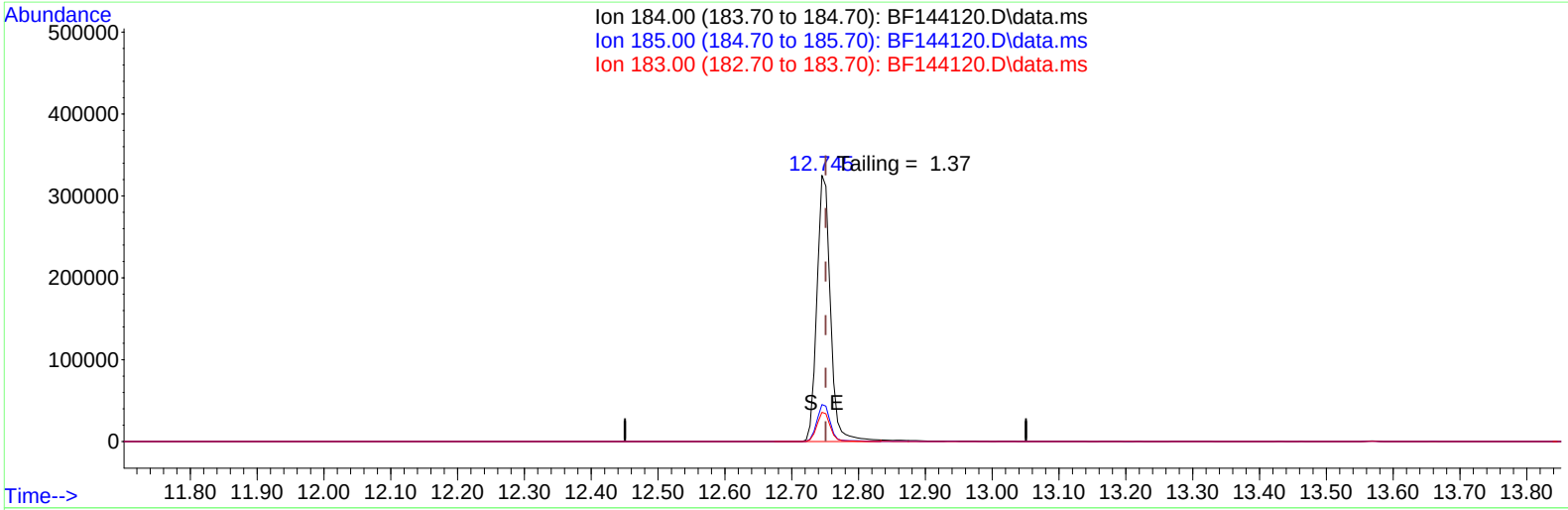
response 108496

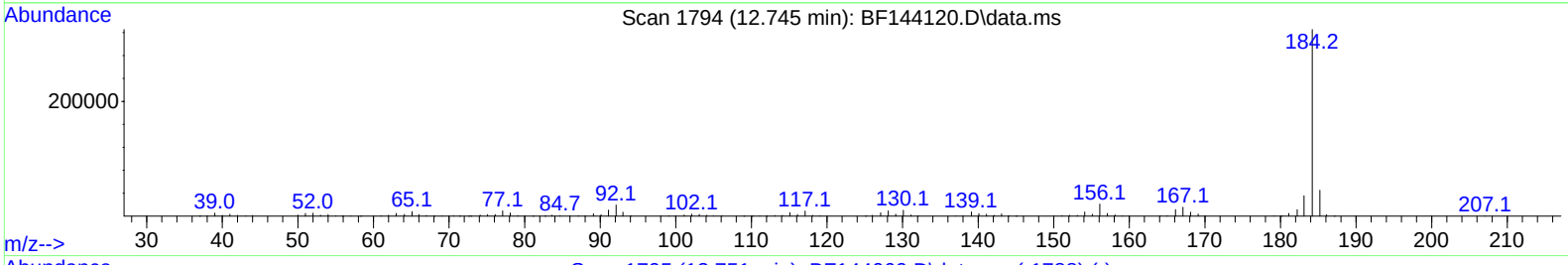
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.30	59.00
264.00	61.70	59.22
0.00	0.00	0.00

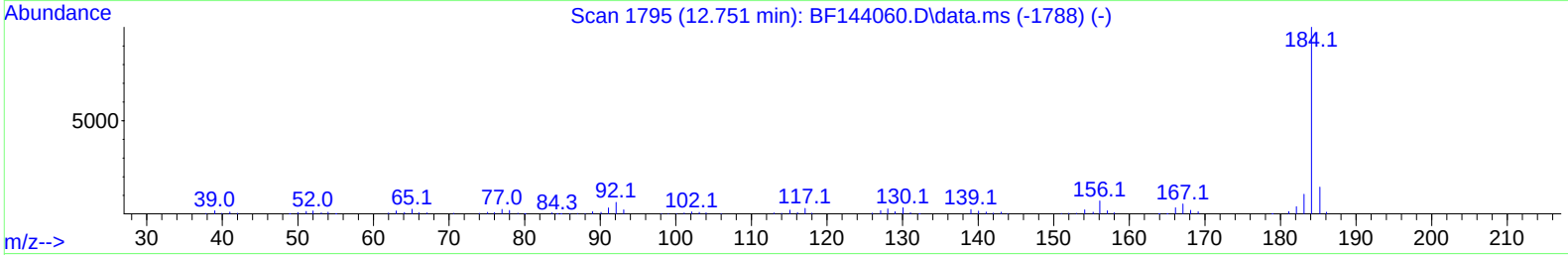
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 29 12:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration







TIC: BF144120.D\data.ms

(77) Benzidine

12.745min (-0.006) 267936.77 ng

response 458627

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	13.88
183.00	10.60	10.97
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_F	BF144120.D
Compound Name	**Response**	**Retention Time**
DDT	197272	13.569
DDD	5071	13.269
DDE	134	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5205	202477	2.57

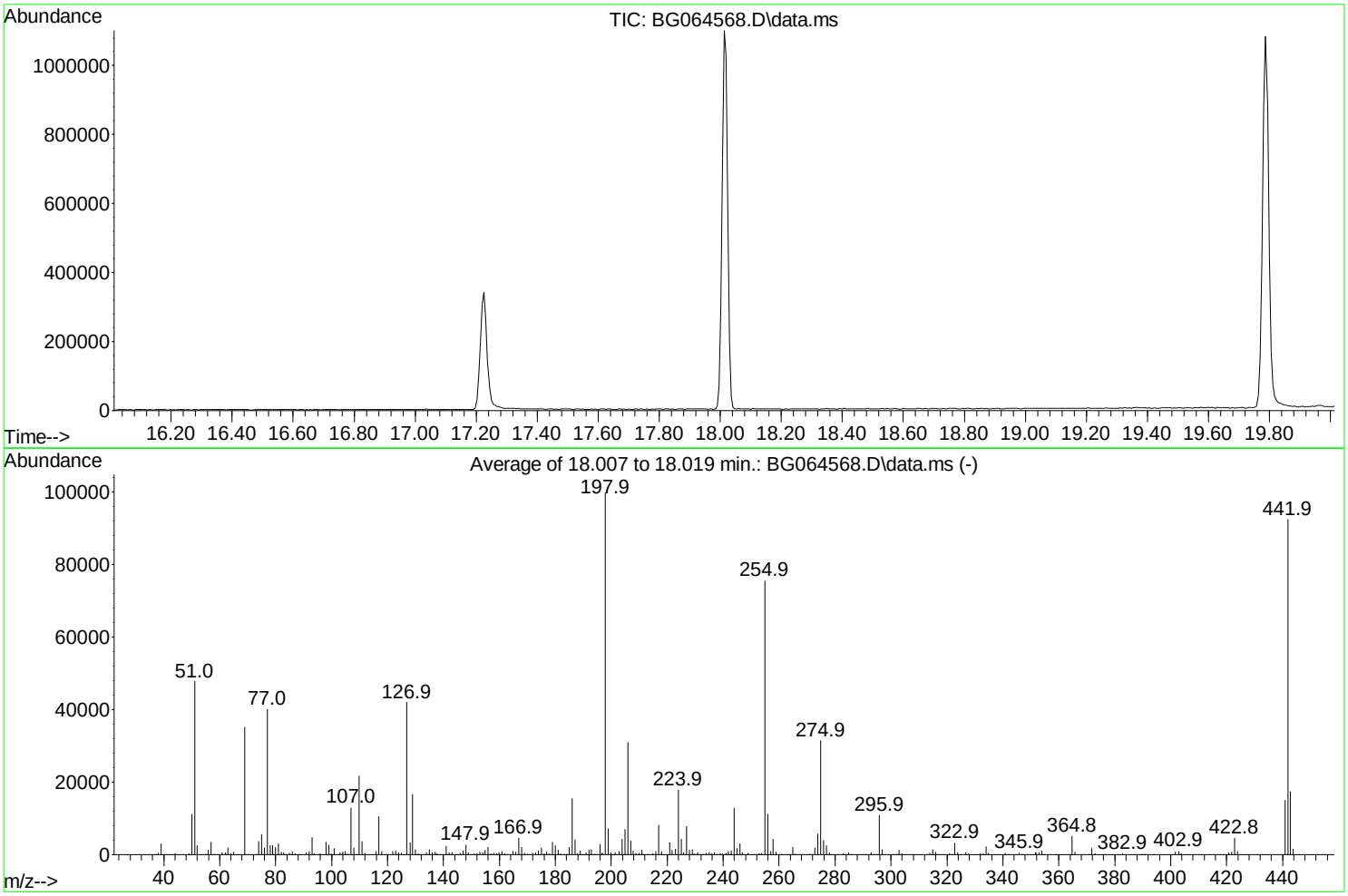
Sample Results: **BG064568.D**

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



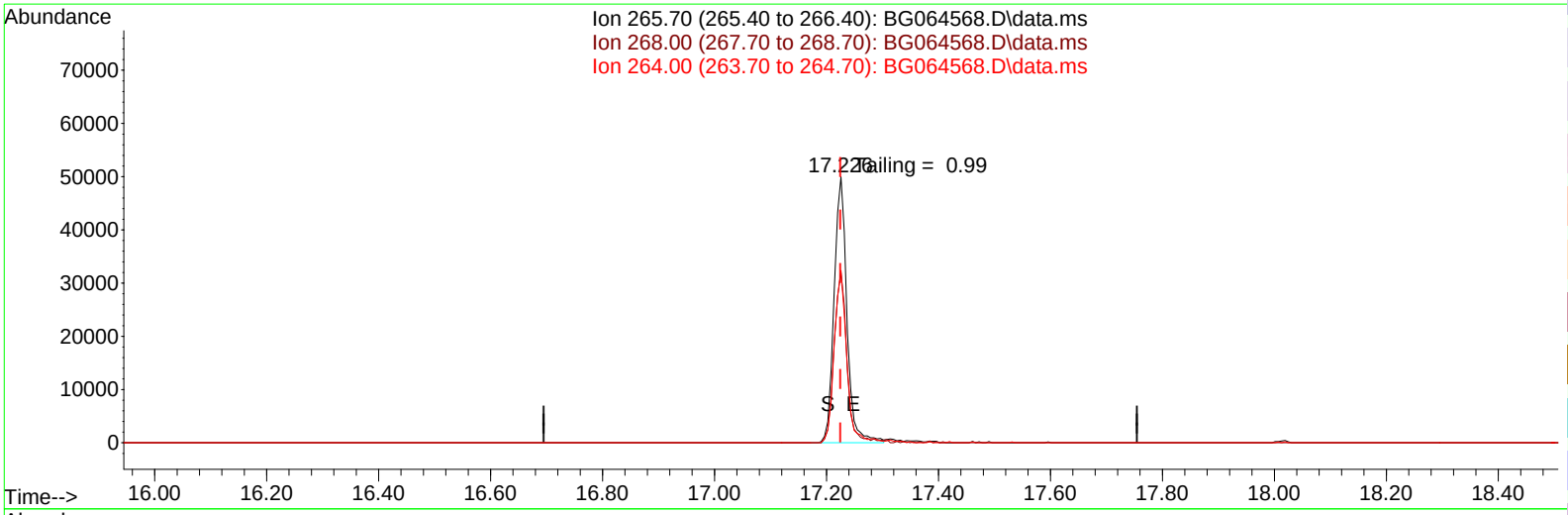
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

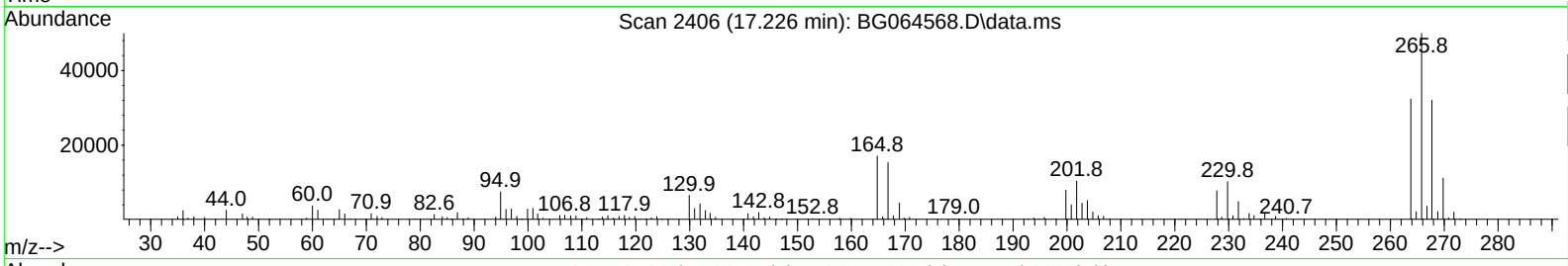
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

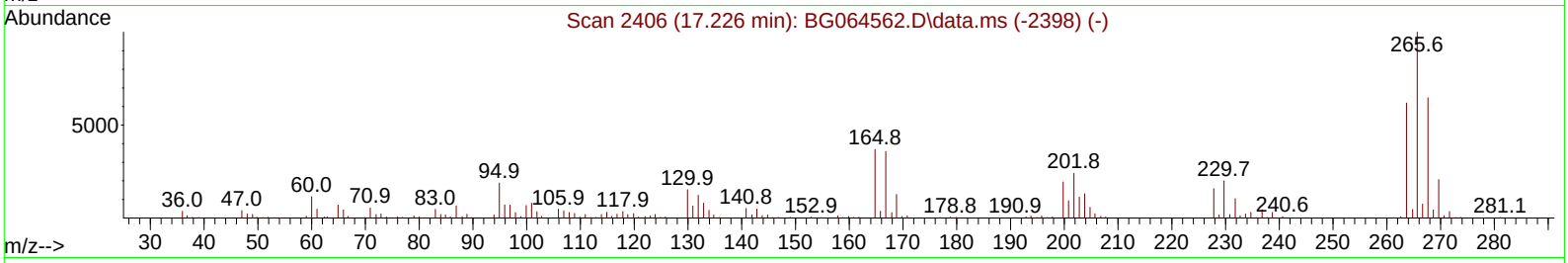
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

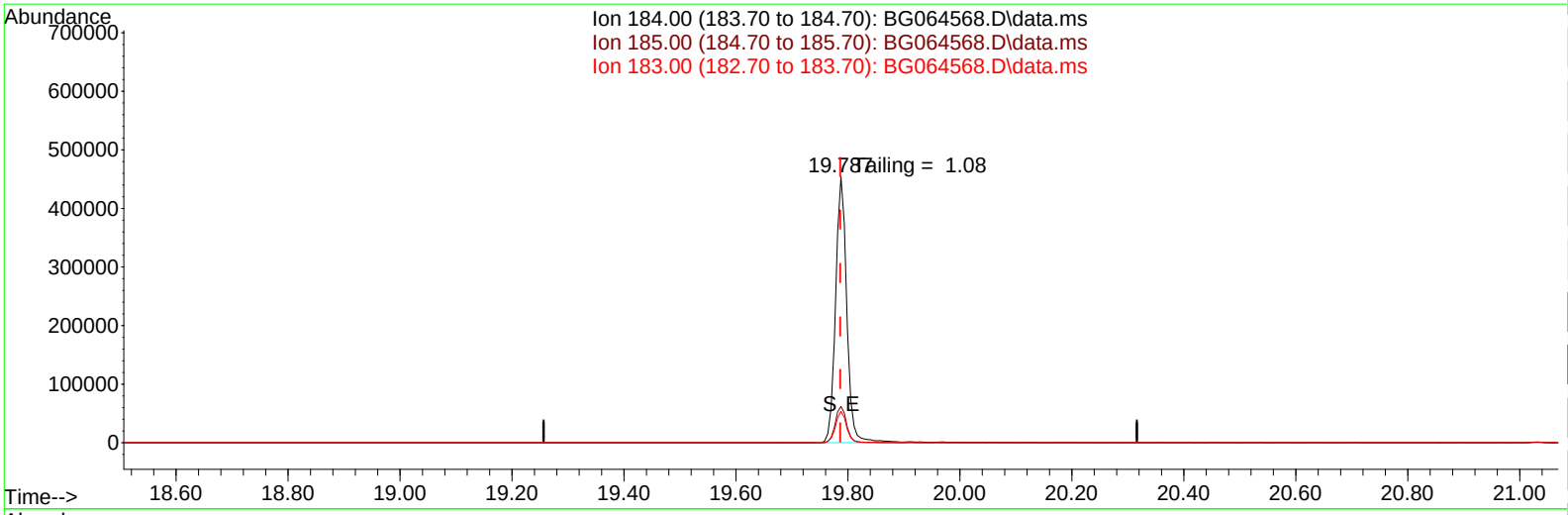
response 79720

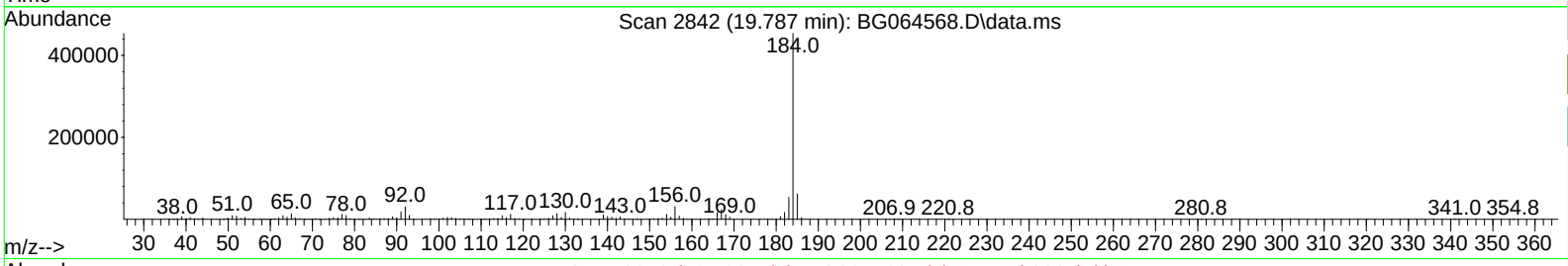
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

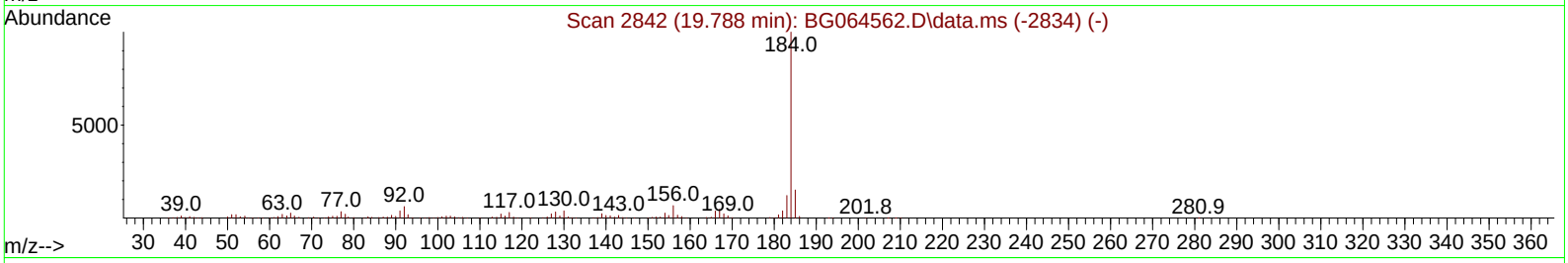
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

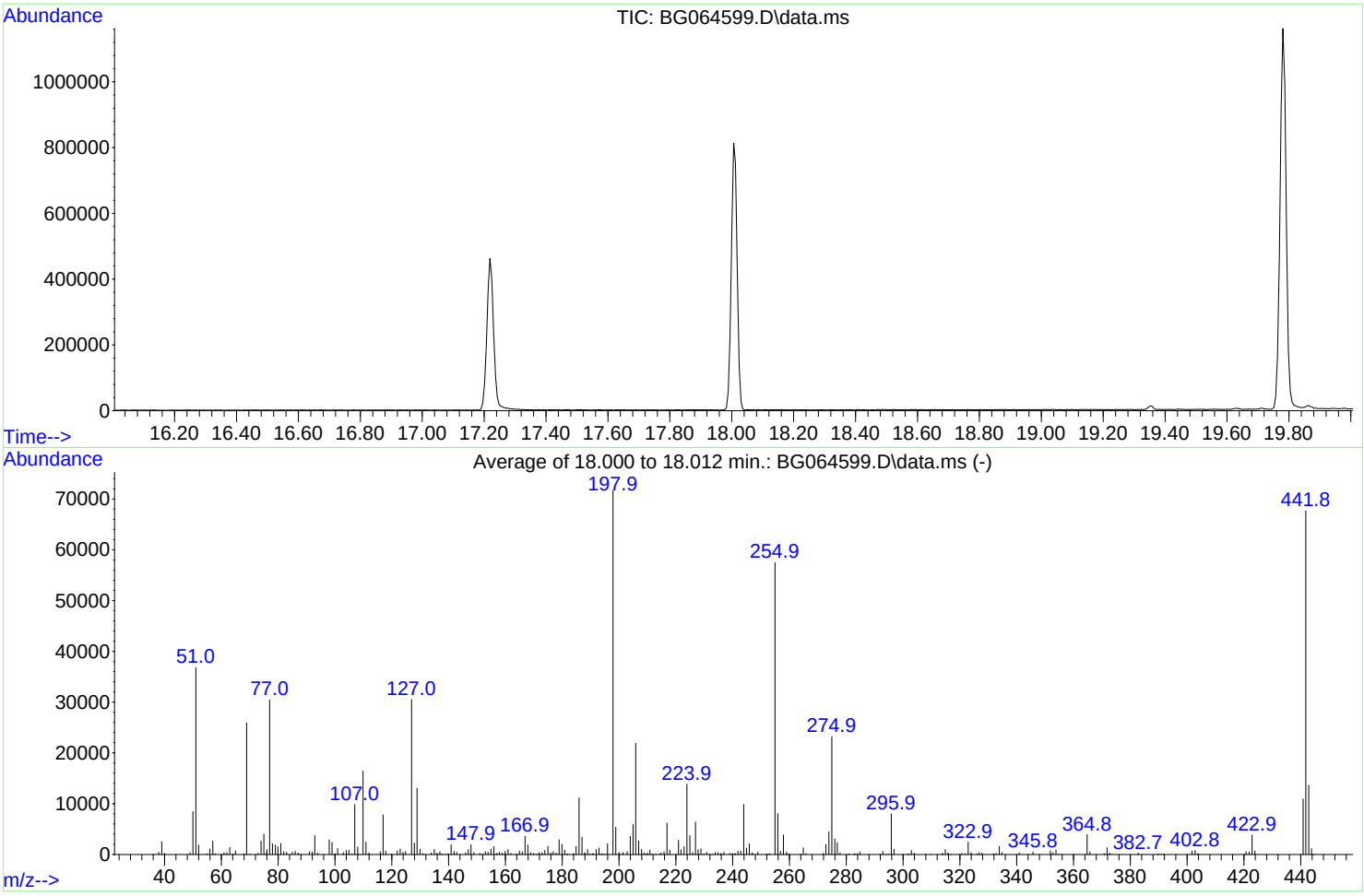
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	**Response**	**Retention Time**
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5598	255492	2.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



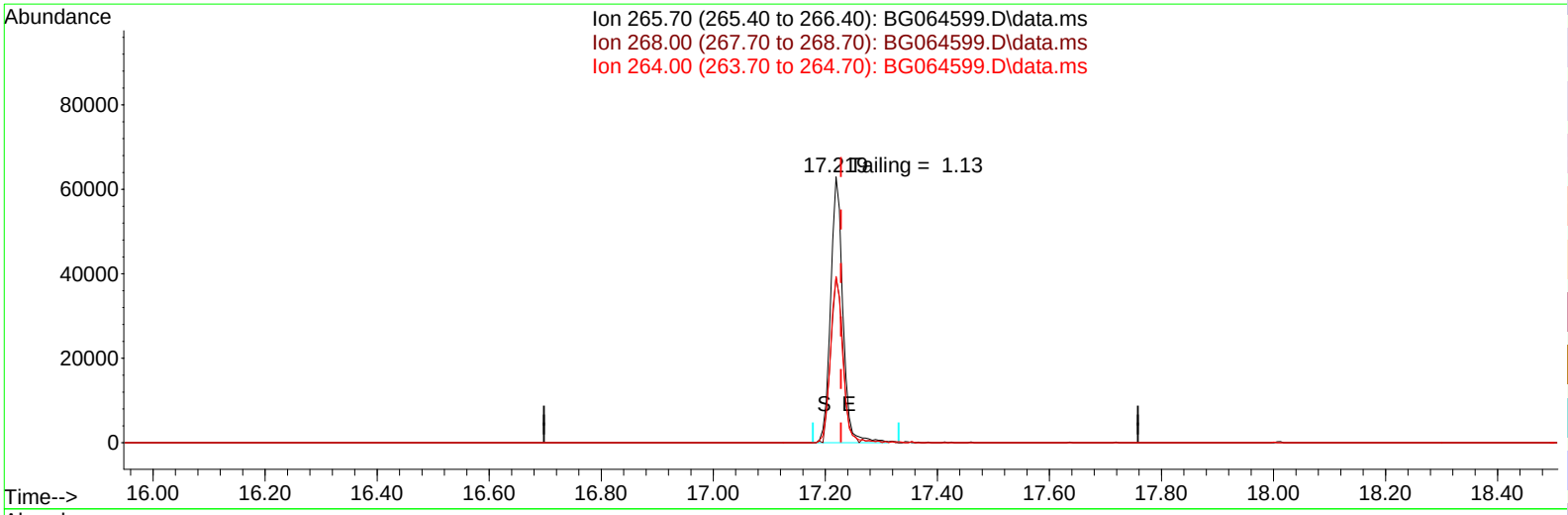
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

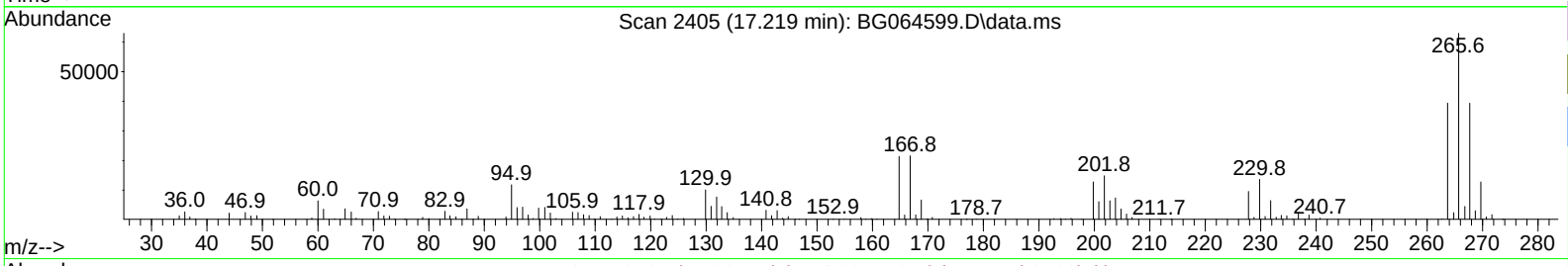
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.5	120	PASS
69	69	100	100	100.0	25923	PASS
70	69	0.00	2	0.2	56	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	71661	PASS
199	198	5	9	7.5	5384	PASS
365	198	1	100	5.5	3911	PASS
441	443	0.01	150	80.3	10936	PASS
442	442	100	100	100.0	67661	PASS
443	442	15	24	20.1	13611	PASS

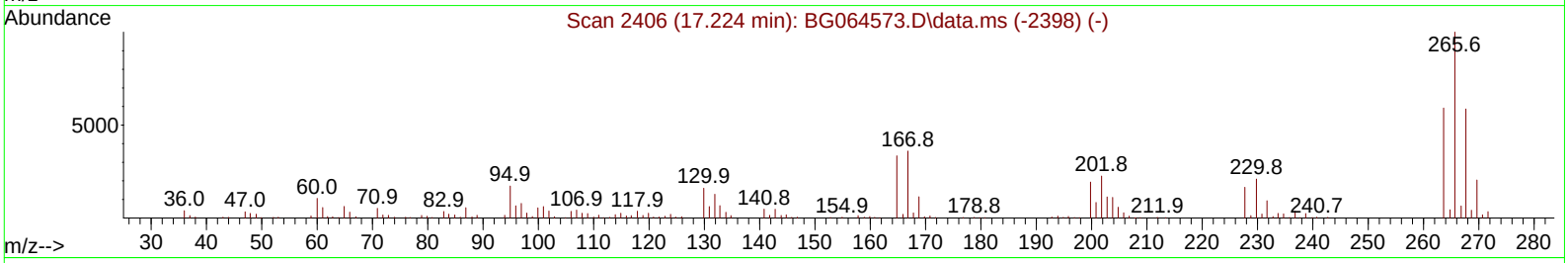
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064599.D\data.ms

(70) Pentachlorophenol (C)

17.219min (-0.009) 17647.50 ng

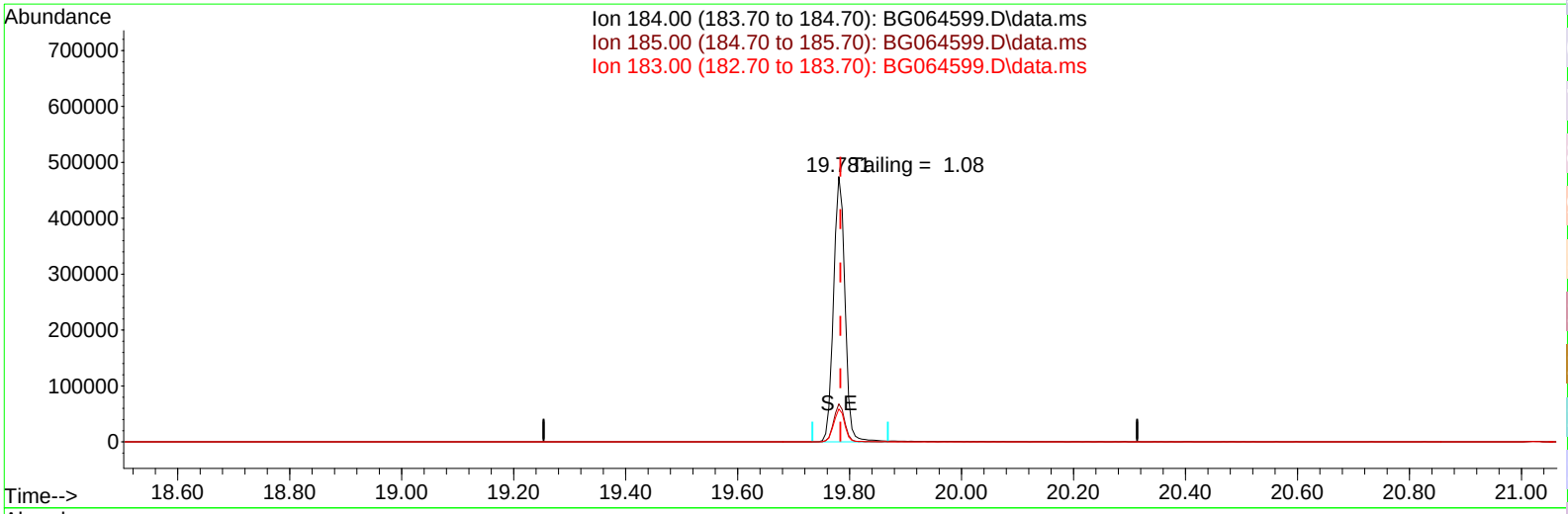
response 95812

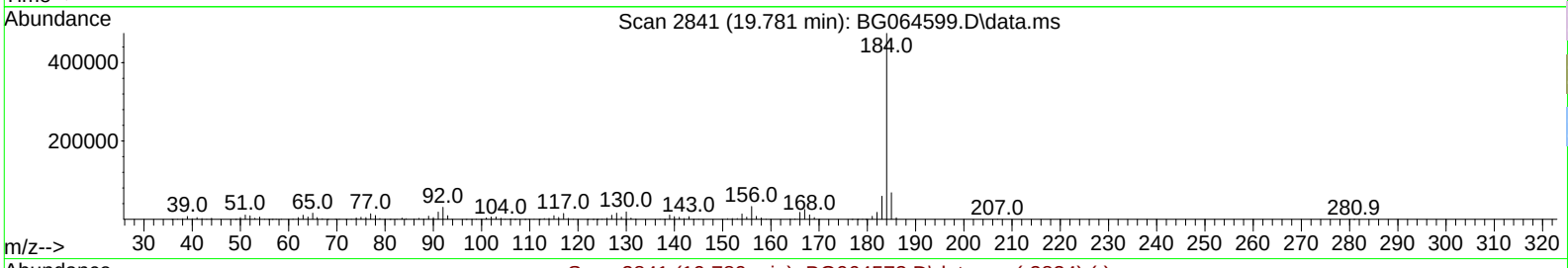
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	67.39
264.00	59.10	62.54
0.00	0.00	0.00

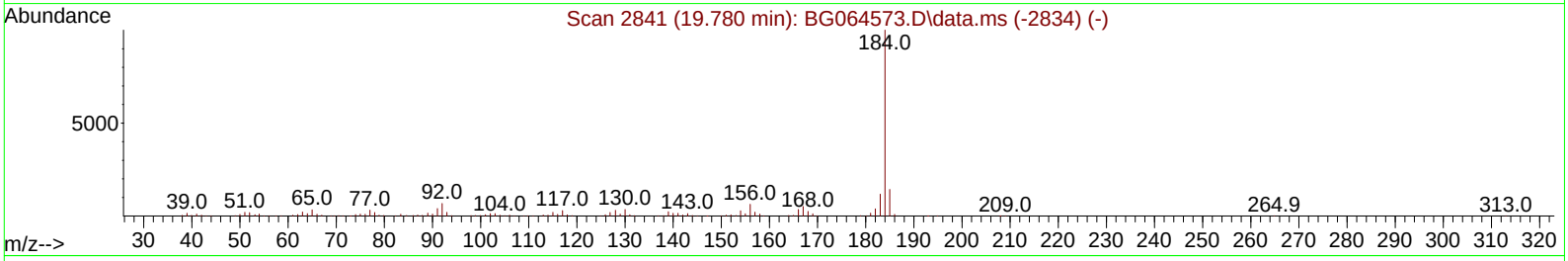
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064599.D\data.ms

(77) Benzidine

19.781min (-0.003) 0.00 ng

response 671639

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.33
183.00	11.80	12.43
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_G	BG064599.D
Compound Name	**Response**	**Retention Time**
DDT	283202	21.02
DDD	2284	20.574
DDE	0	19.706
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2284	285486	0.80

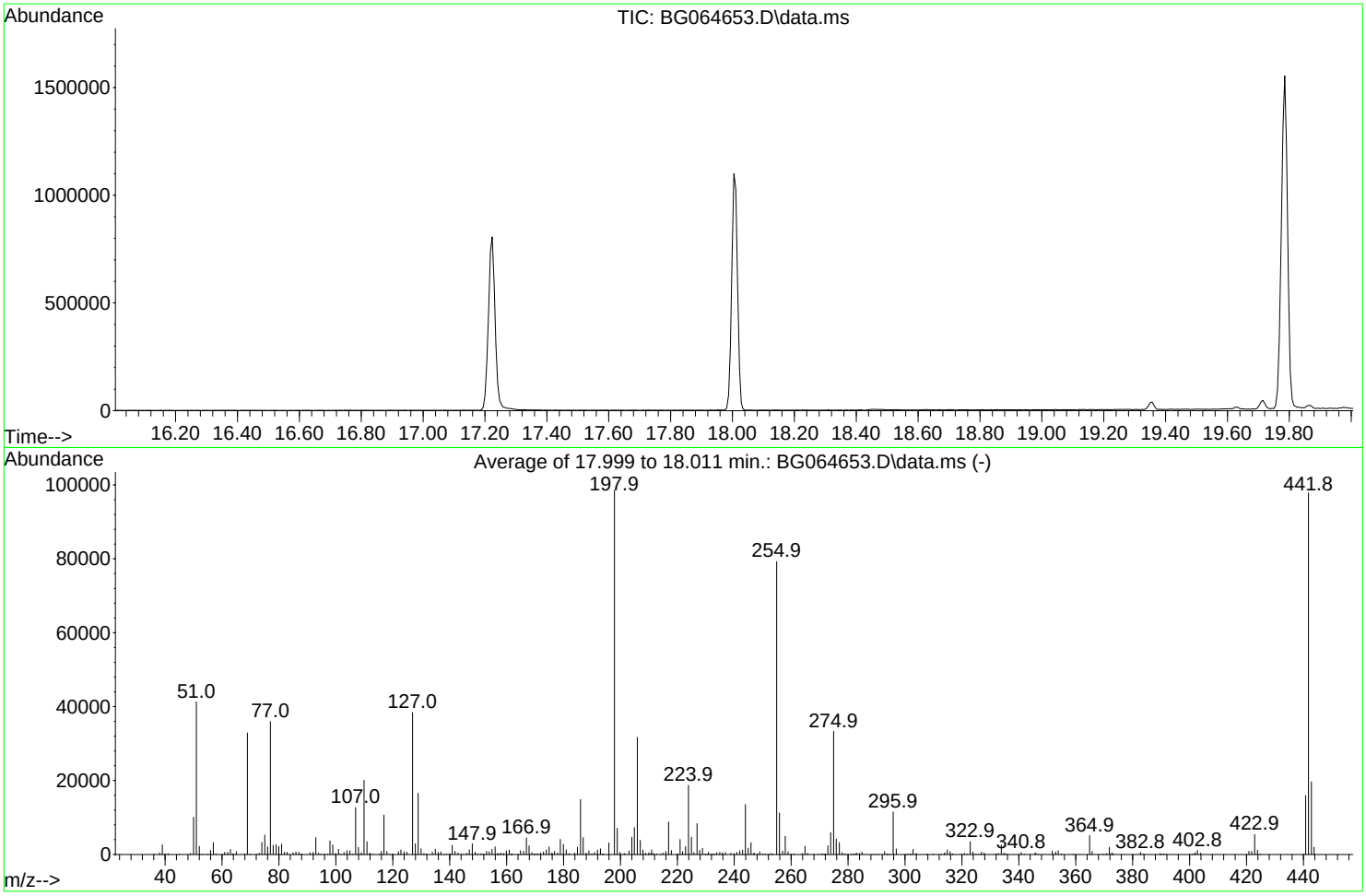
Sample Results: **BG064653.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



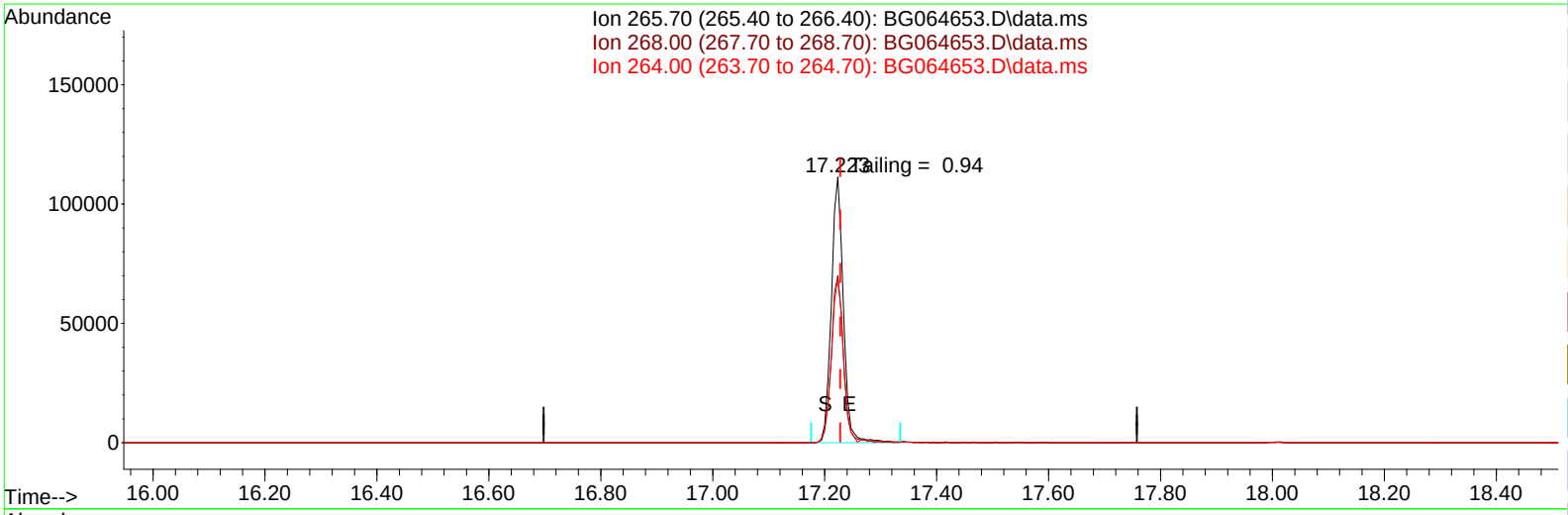
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

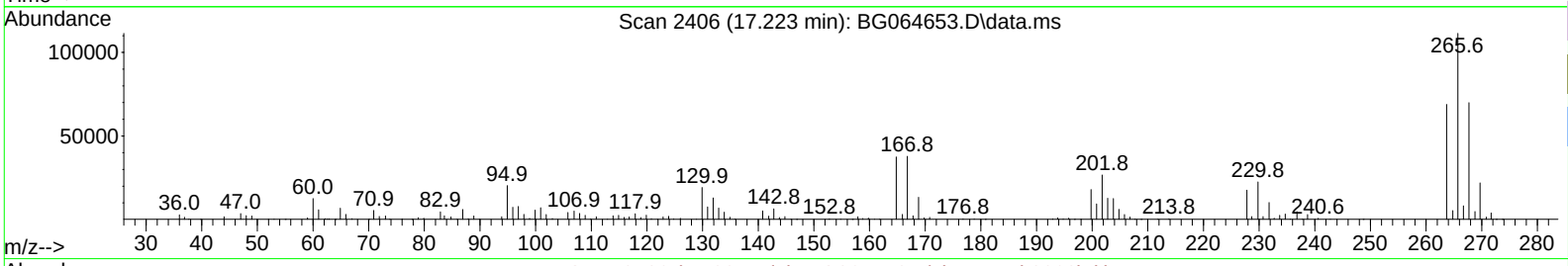
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	203	PASS
69	69	100	100	100.0	32859	PASS
70	69	0.00	2	0.2	60	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	98488	PASS
199	198	5	9	7.2	7105	PASS
365	198	1	100	5.2	5145	PASS
441	443	0.01	150	81.0	15924	PASS
442	442	100	100	100.0	97829	PASS
443	442	15	24	20.1	19658	PASS

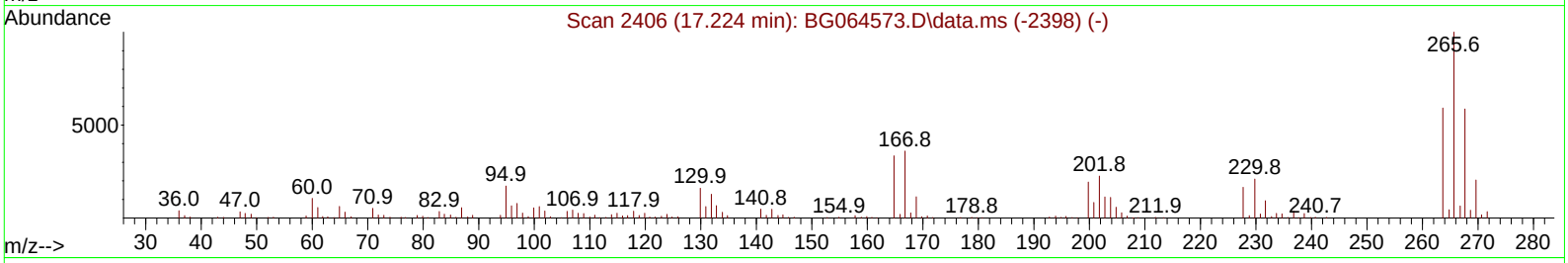
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 31 13:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064653.D\data.ms

(70) Pentachlorophenol (C)

17.223min (-0.004) 30324.08 ng m

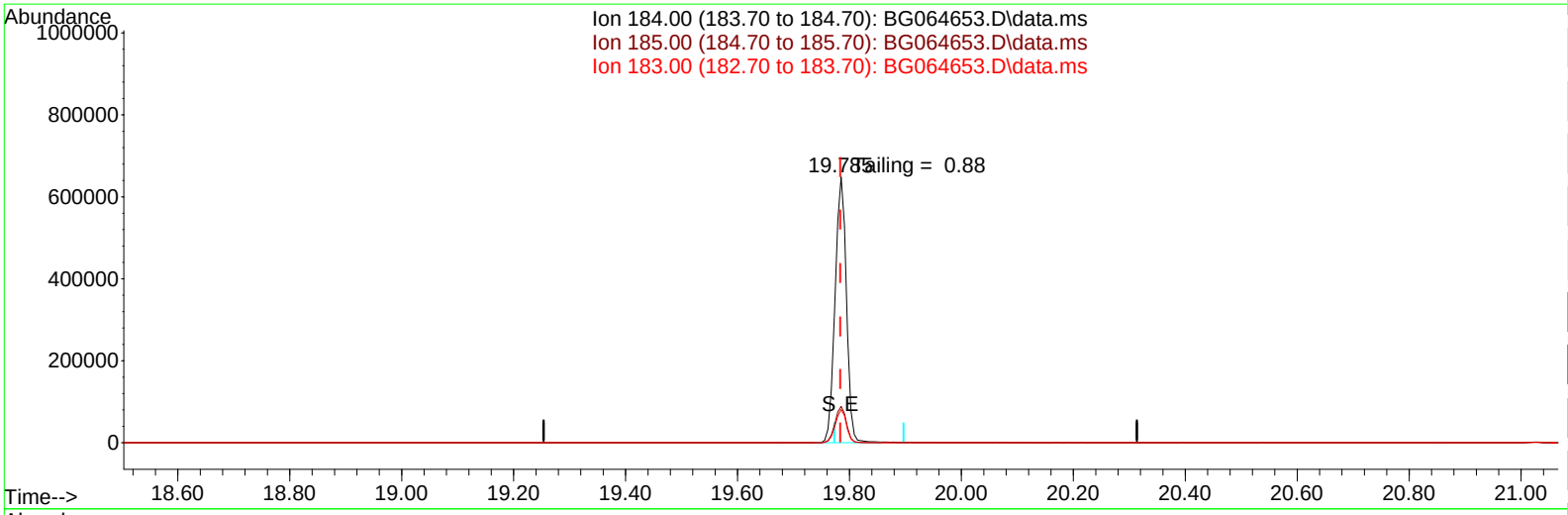
response 166681

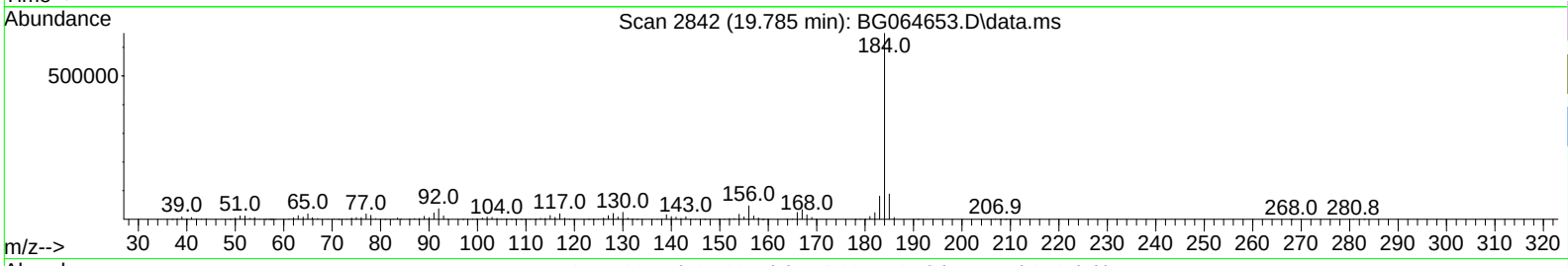
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	62.76
264.00	59.10	61.84
0.00	0.00	0.00

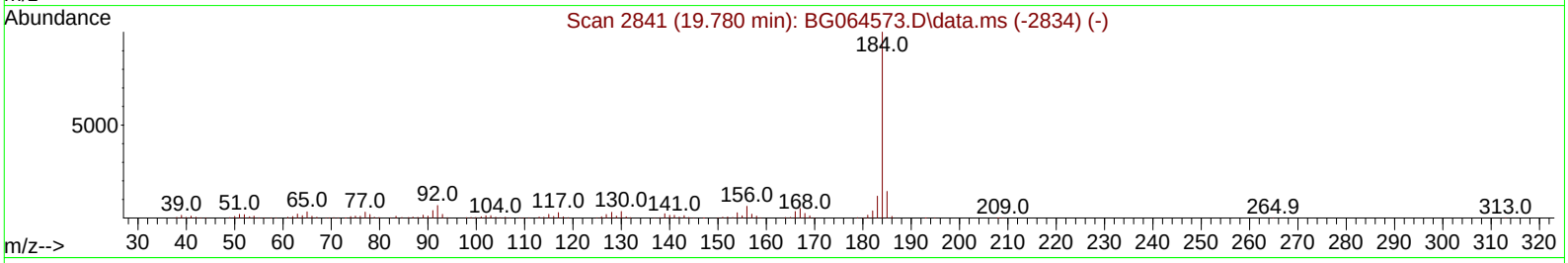
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 31 13:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064653.D\data.ms

(77) Benzidine

19.785min (+ 0.002) 516456.63 ng

response 740529

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.67
183.00	11.80	12.49
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

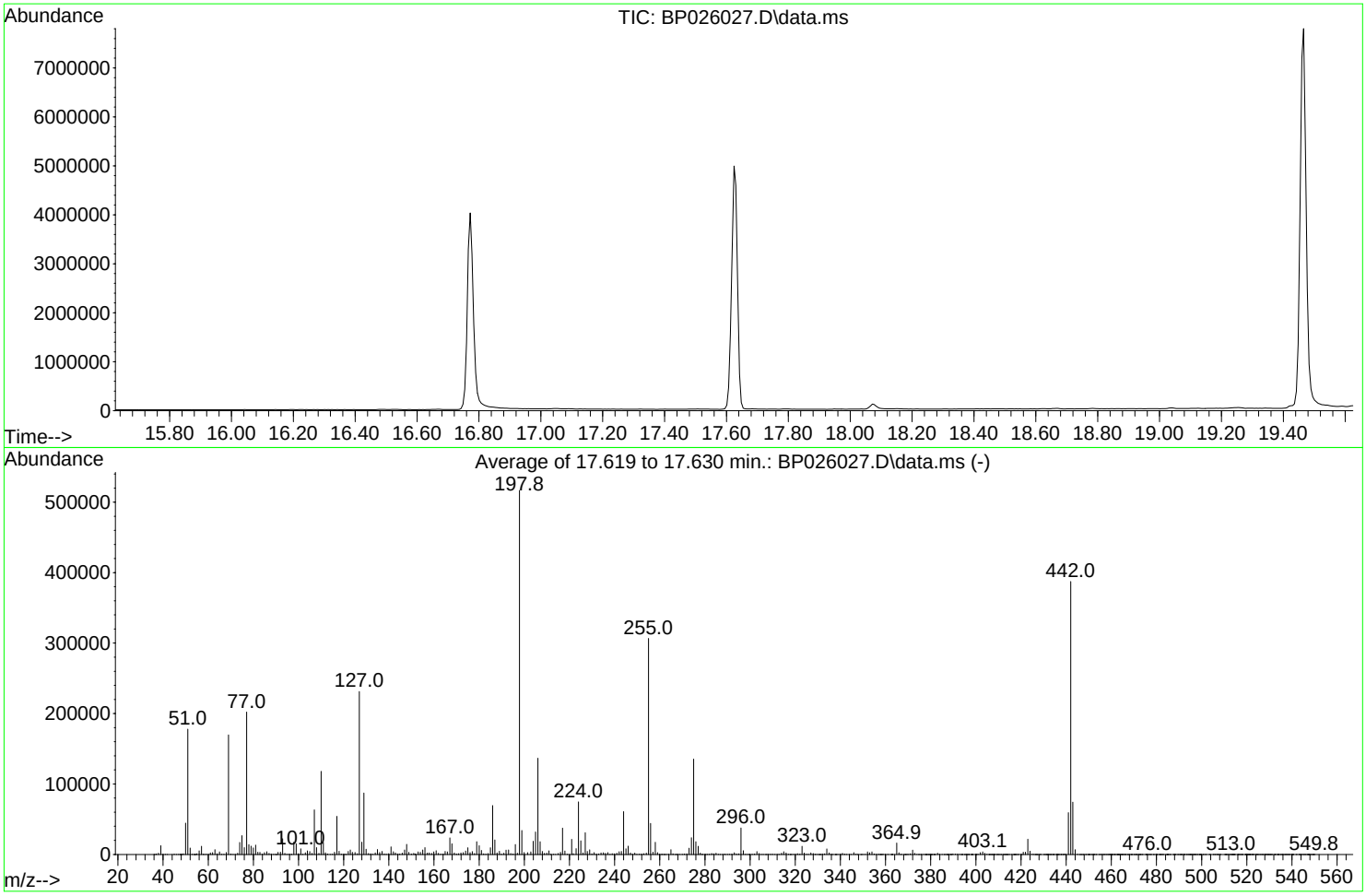
Date	Instrument Name	DFTPP Data File
10/31/2025	BNA_G	BG064653.D
Compound Name	**Response**	**Retention Time**
DDT	481237	21.025
DDD	7452	20.572
DDE	956	20.079
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8408	489645	1.72

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025



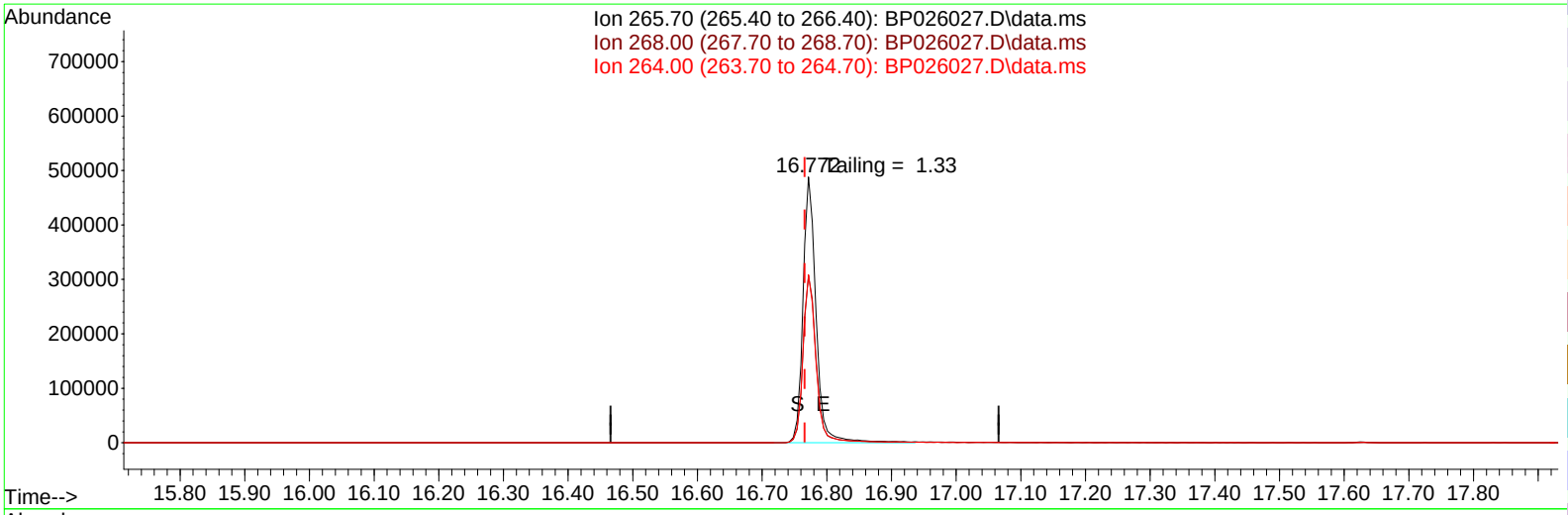
AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2484

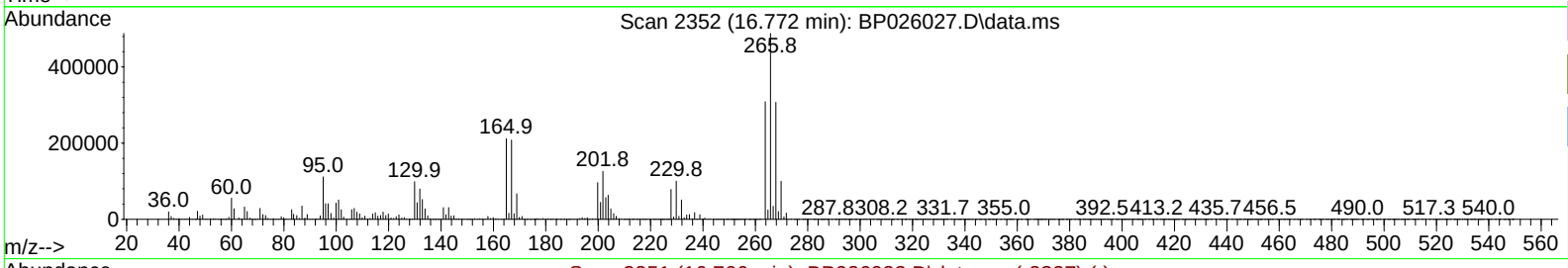
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2792	PASS
69	69	100	100	100.0	169765	PASS
70	69	0.00	2	0.4	752	PASS
197	198	0.00	2	0.4	1827	PASS
198	198	100	100	100.0	516572	PASS
199	198	5	9	6.6	34035	PASS
365	198	1	100	3.1	16180	PASS
441	443	0.01	150	79.9	59342	PASS
442	442	100	100	100.0	387348	PASS
443	442	15	24	19.2	74271	PASS

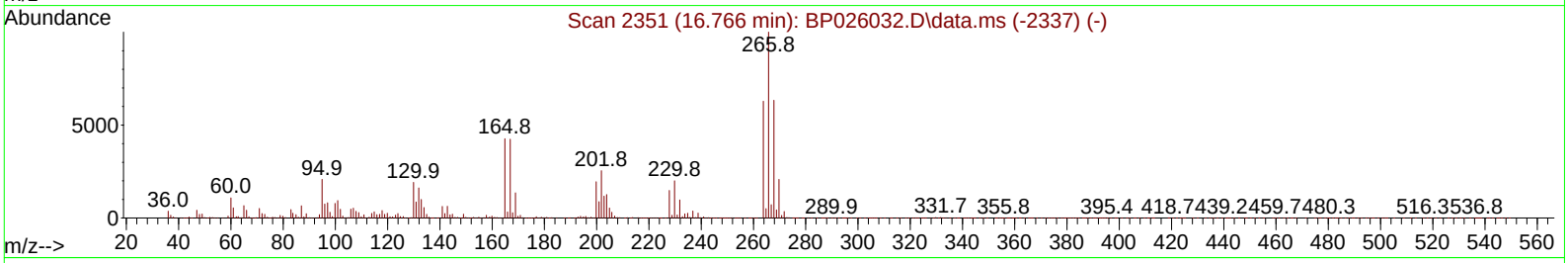
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration







TIC: BP026027.D\data.ms

(70) Pentachlorophenol (C)

16.772min (+ 0.006) 52866.47 ng

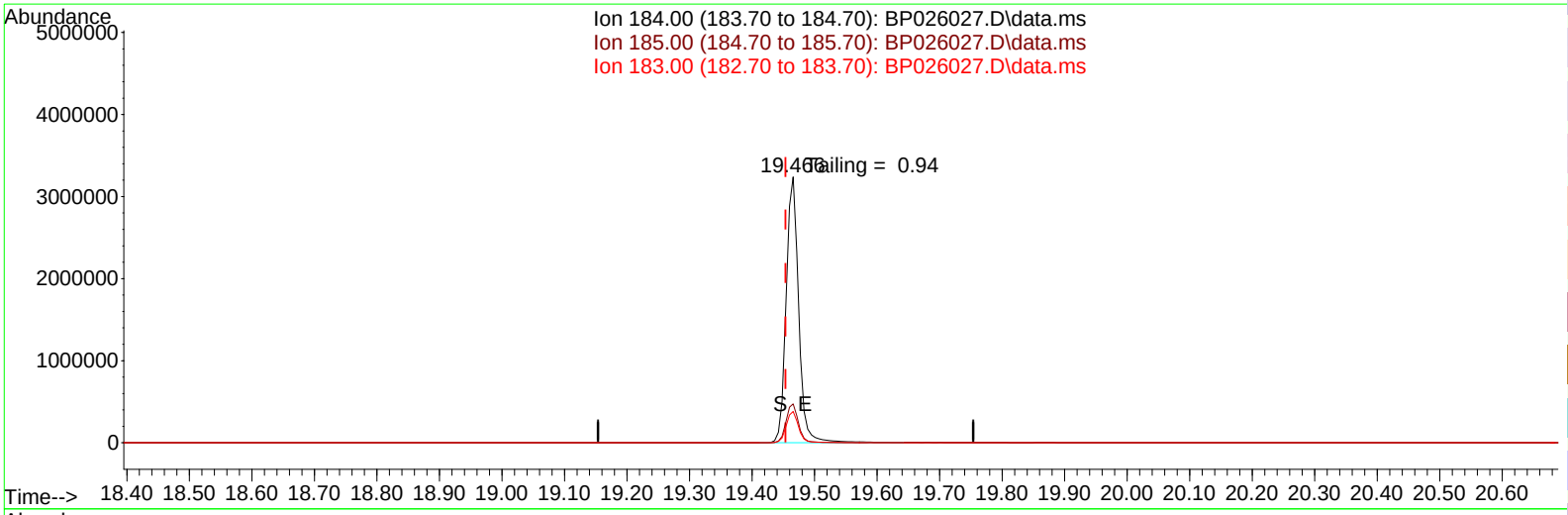
response 688723

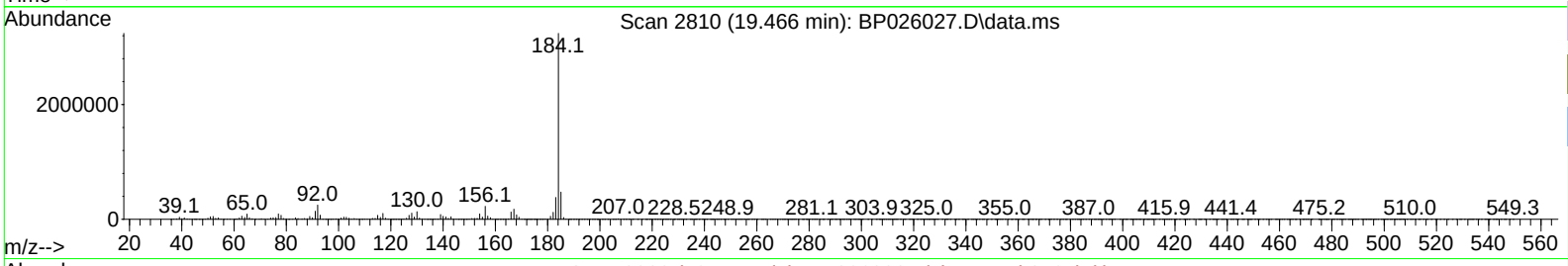
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	62.93
264.00	62.80	63.23
0.00	0.00	0.00

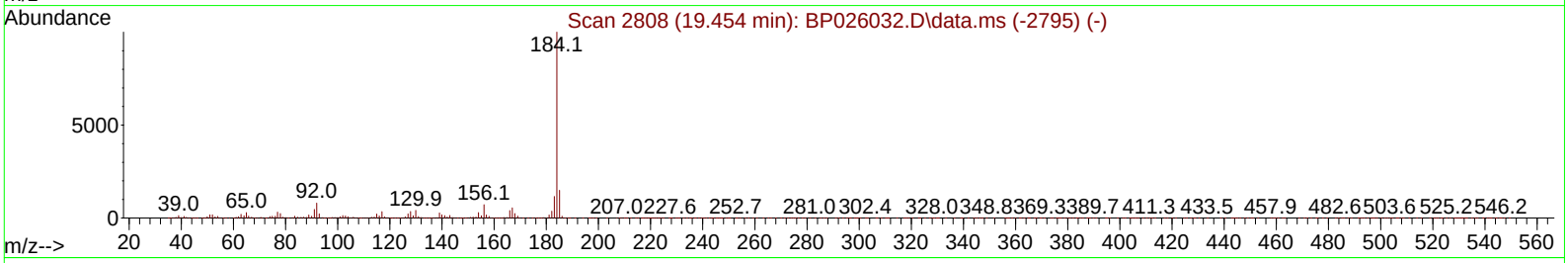
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration







TIC: BP026027.D\data.ms

(77) Benzidine

19.466min (+ 0.012) 16317.24 ng

response 4546390

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.62
183.00	11.50	11.75
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

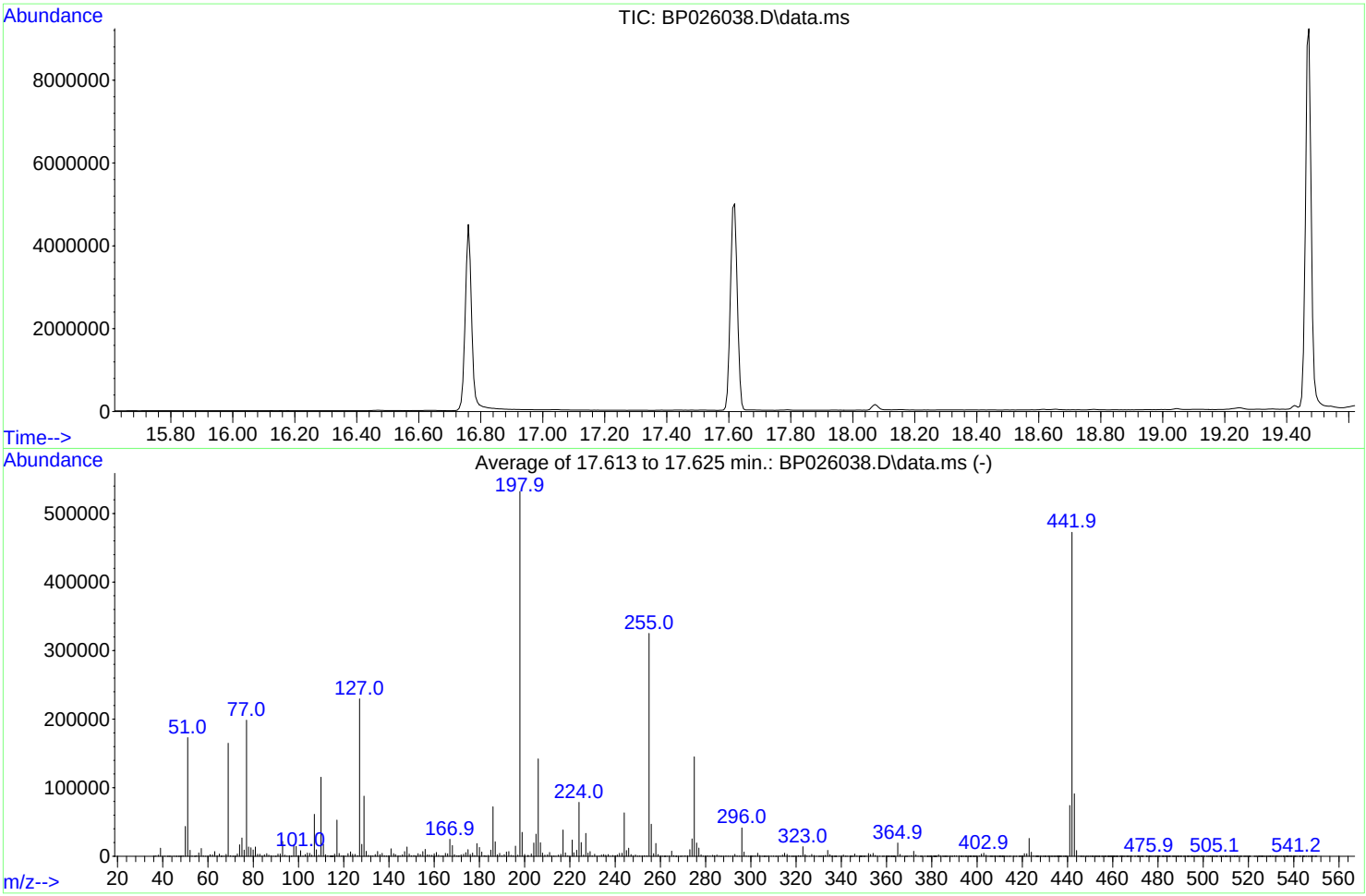
Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_P	BP026027.D
Compound Name	**Response**	**Retention Time**
DDT	1446445	20.766
DDD	18274	20.301
DDE	1074	19.866
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19348	1465793	1.32

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026038.D
Acq On : 30 Oct 2025 10:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025



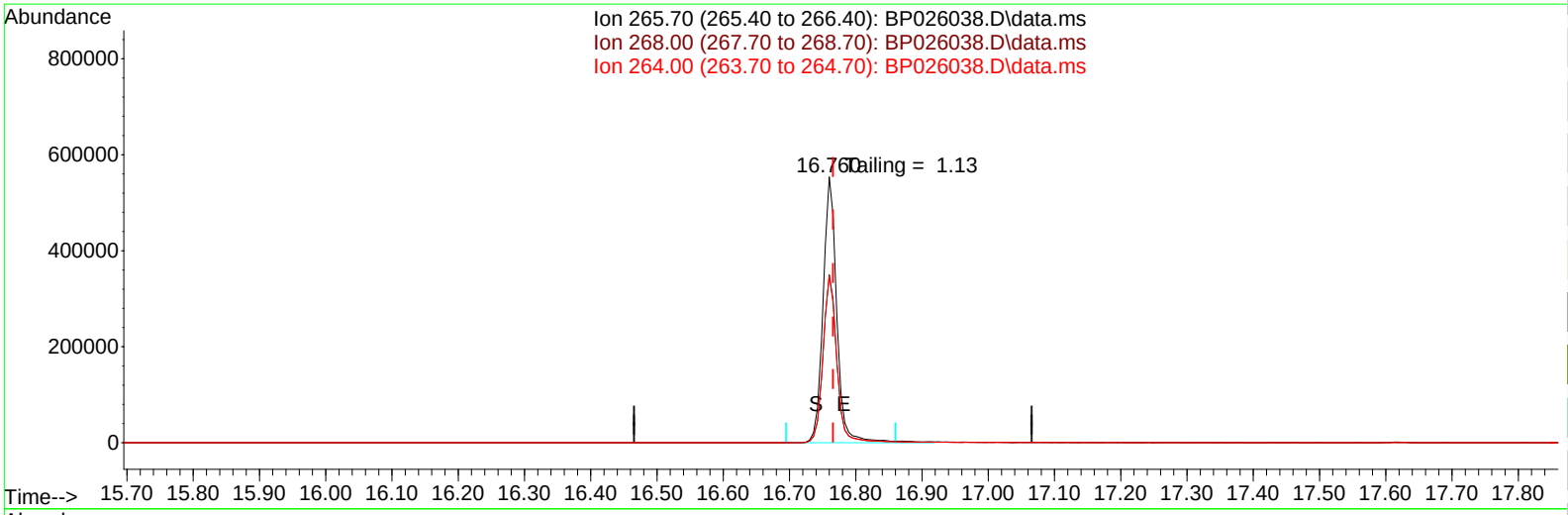
AutoFind: Scans 2495, 2496, 2497; Background Corrected with Scan 2486

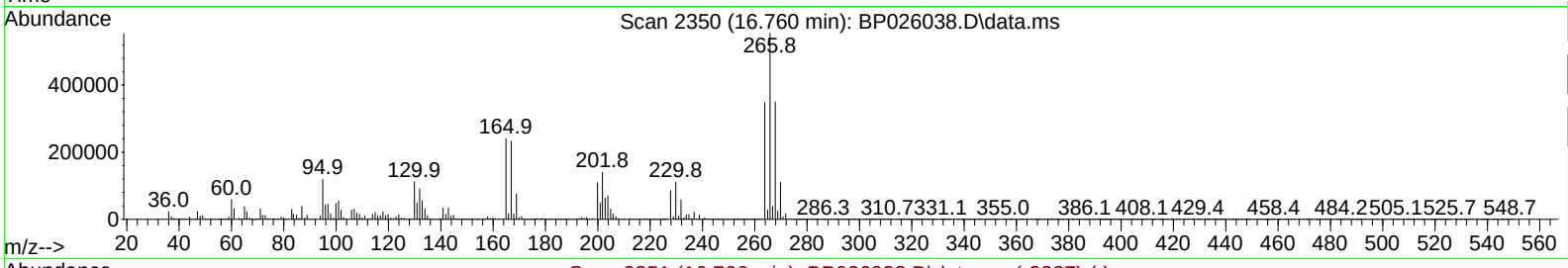
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	2745	PASS
69	69	100	100	100.0	164910	PASS
70	69	0.00	2	0.6	912	PASS
197	198	0.00	2	0.3	1808	PASS
198	198	100	100	100.0	532011	PASS
199	198	5	9	6.6	34927	PASS
365	198	1	100	3.7	19451	PASS
441	443	0.01	150	81.2	74093	PASS
442	442	100	100	100.0	472508	PASS
443	442	15	24	19.3	91243	PASS

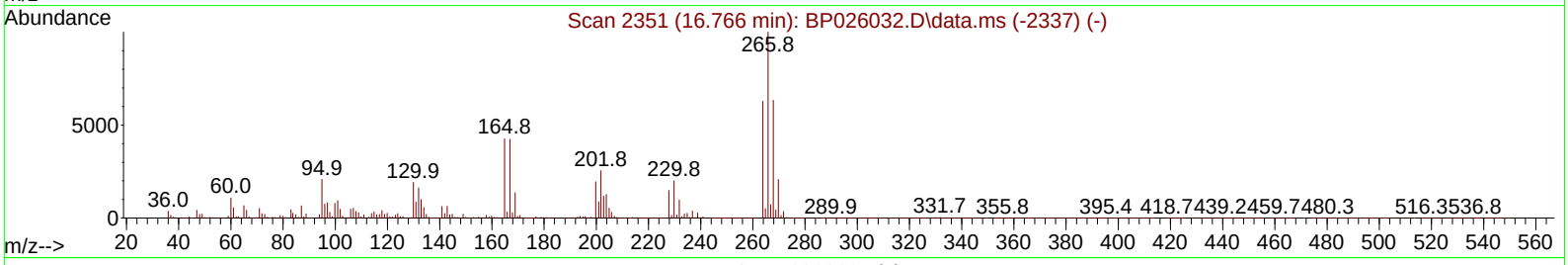
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026038.D
Acq On : 30 Oct 2025 10:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 30 12:40:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration







TIC: BP026038.D\data.ms

(70) Pentachlorophenol (C)

16.760min (-0.006) 1770436.21 ng m

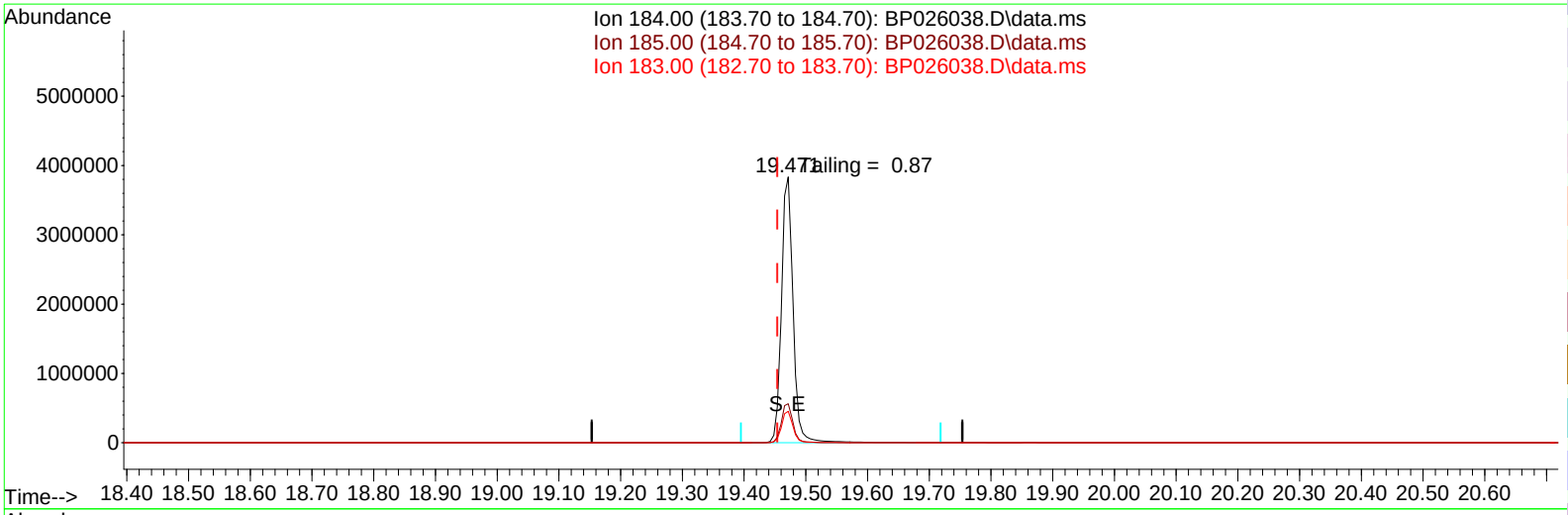
response 805688

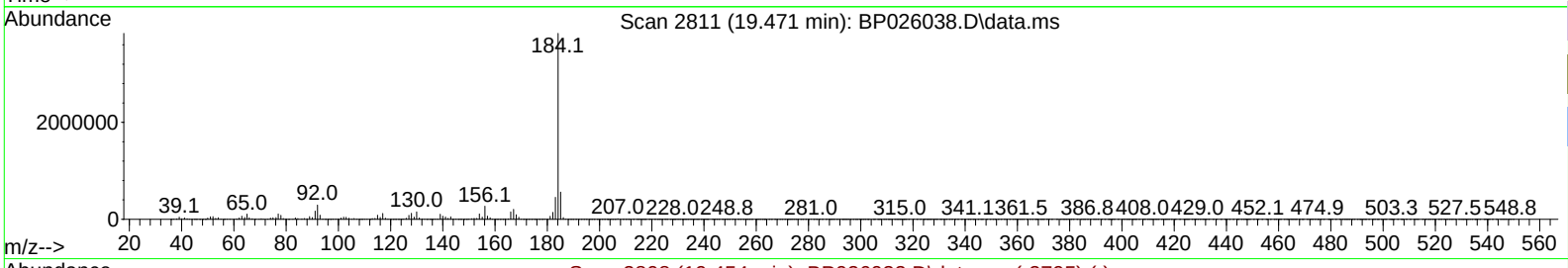
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	63.18
264.00	62.80	62.88
0.00	0.00	0.00

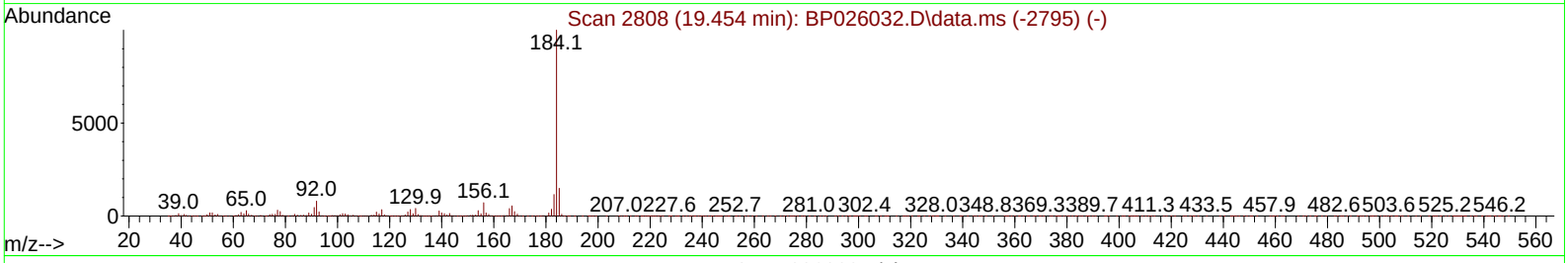
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026038.D
Acq On : 30 Oct 2025 10:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 30 12:40:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration







TIC: BP026038.D\data.ms

(77) Benzidine

19.471min (+ 0.018) 5475.51 ng

response 5032842

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.50	11.80
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/30/2025	BNA_P	BP026038.D
Compound Name	**Response**	**Retention Time**
DDT	1702124	20.777
DDD	17819	20.307
DDE	2173	19.866
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19992	1722116	1.16

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:	PB170267BL			SDG No.:	Q3447
Lab Sample ID:	PB170267BL			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	1.30	U	1	1.30	5.00	ug/L	10/28/25 13:47	PB170267
106-46-7	1,4-Dichlorobenzene	0.53	U	1	0.53	5.00	ug/L	10/28/25 13:47	PB170267
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	10/28/25 13:47	PB170267
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	10/28/25 13:47	PB170267
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	10/28/25 13:47	PB170267
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	10/28/25 13:47	PB170267
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	10/28/25 13:47	PB170267
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	10/28/25 13:47	PB170267
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	10/28/25 13:47	PB170267
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	10/28/25 13:47	PB170267
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/28/25 13:47	PB170267
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	10/28/25 13:47	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	100			23 - 138	67%	SPK: 150		
13127-88-3	Phenol-d6	105			10 - 134	70%	SPK: 150		
4165-60-0	Nitrobenzene-d5	68.0			67 - 132	68%	SPK: 100		
321-60-8	2-Fluorobiphenyl	65.5			52 - 132	66%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	122			44 - 137	81%	SPK: 150		
1718-51-0	Terphenyl-d14	86.8			42 - 152	87%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	74200							
1146-65-2	Naphthalene-d8	293000							
15067-26-2	Acenaphthene-d10	176000							
1517-22-2	Phenanthrene-d10	345000							
1719-03-5	Chrysene-d12	213000							
1520-96-3	Perylene-d12	182000							

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 : BF144098.D
Acq On : 28 Oct 2025 13:47
Operator : RC/JU
Sample : PB170267BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Quant Time: Oct 28 14:28:16 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

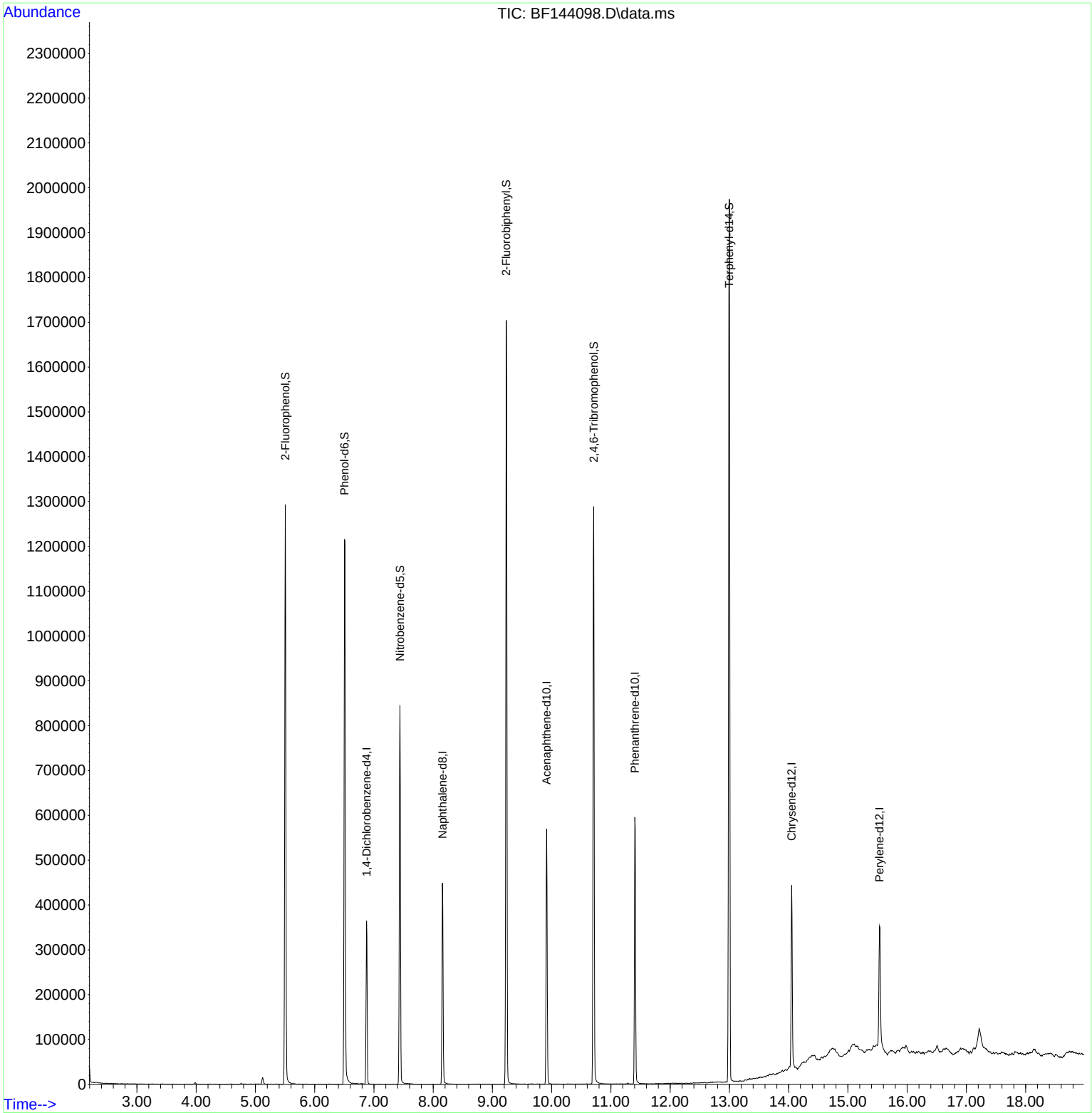
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74235	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	292746	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	176104	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	344710	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212971	20.000	ng	0.00
86) Perylene-d12	15.533	264	182134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	469400	100.039	ng	0.01
7) Phenol-d6	6.504	99	545013	105.174	ng	0.00
23) Nitrobenzene-d5	7.439	82	363250	67.982	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	273621	121.977	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	819800	65.509	ng	0.00
79) Terphenyl-d14	12.998	244	1057072	86.772	ng	0.00
Target Compounds						Qvalue

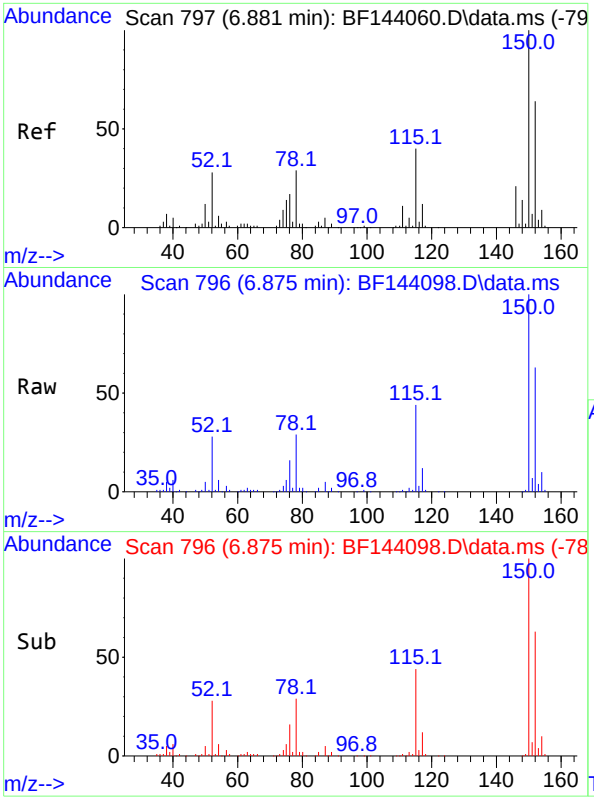
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144098.D
Acq On : 28 Oct 2025 13:47
Operator : RC/JU
Sample : PB170267BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Quant Time: Oct 28 14:28:16 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



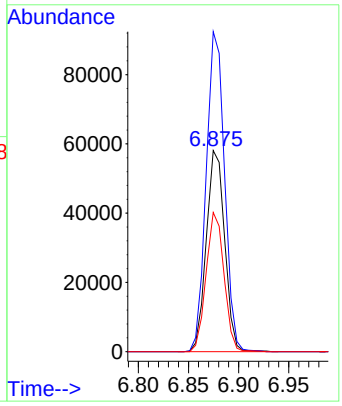


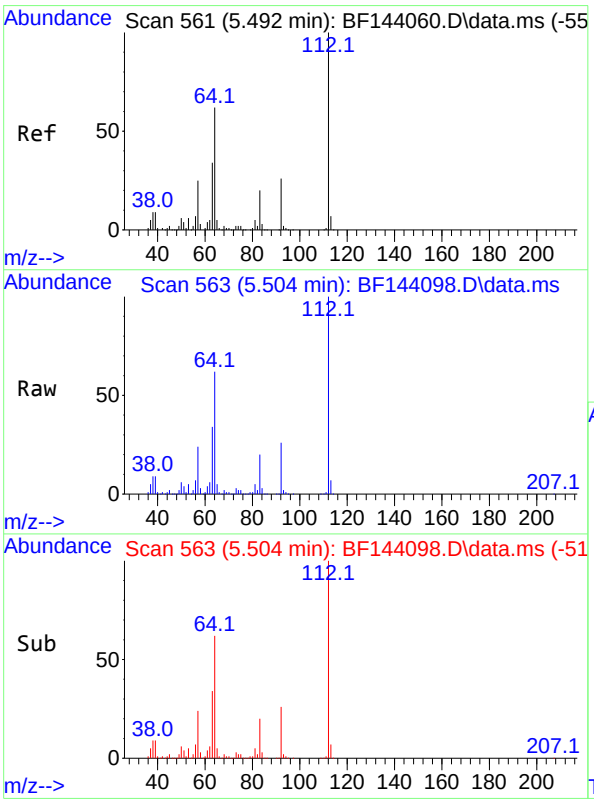
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion:152 Resp: 74235

Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.4	186.6
115	69.2	49.4	74.0

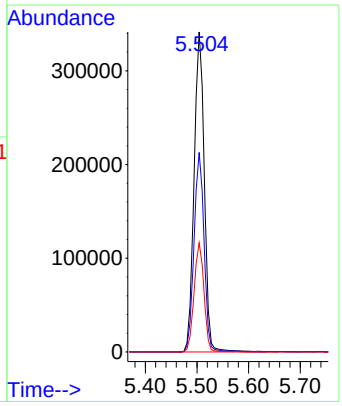


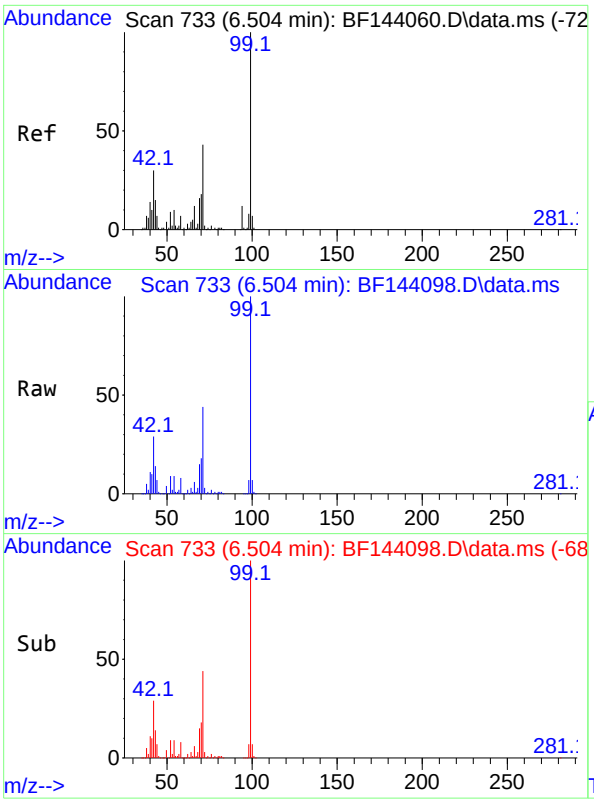


#5
2-Fluorophenol
Concen: 100.039 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:112 Resp: 469400

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.8	74.8
63	34.1	27.4	41.2



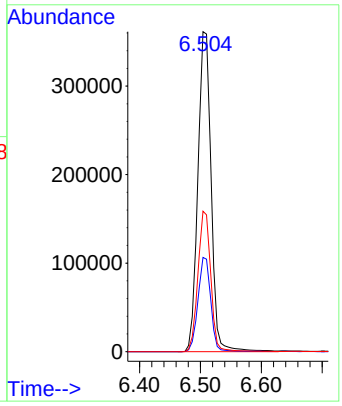


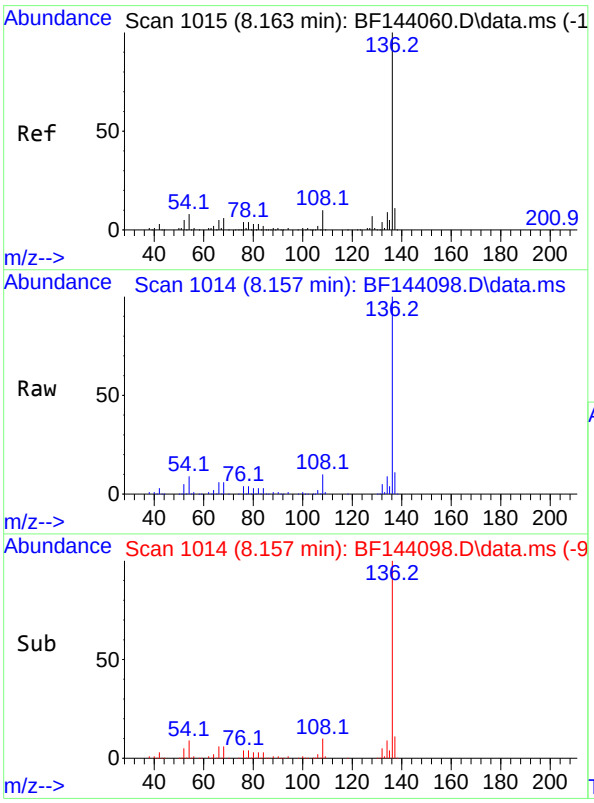
#7
Phenol-d6
Concen: 105.174 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion: 99 Resp: 545013

Ion	Ratio	Lower	Upper
99	100		
42	29.5	23.9	35.9
71	43.9	34.4	51.6

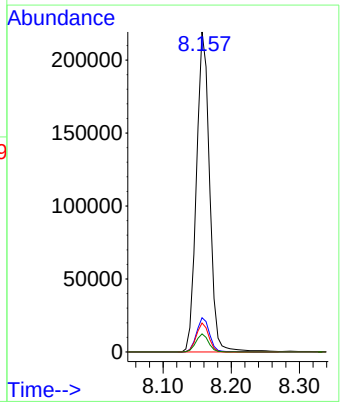


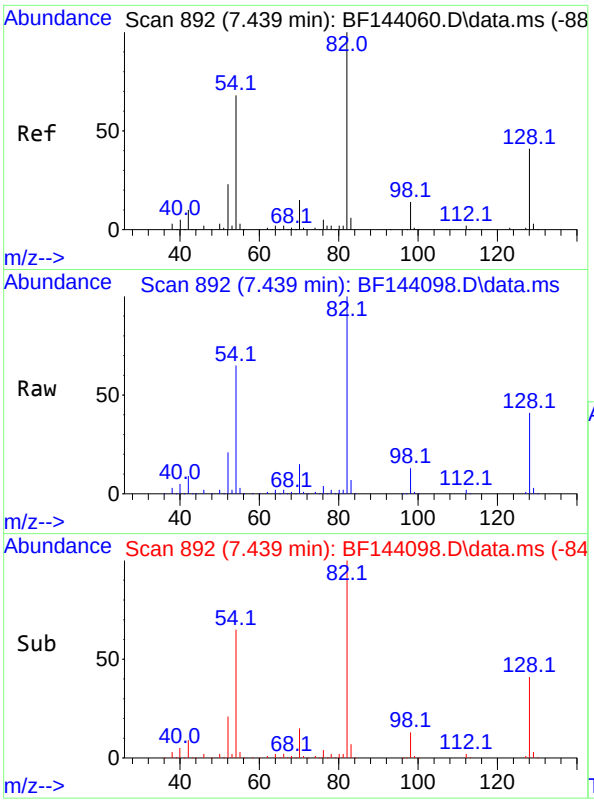


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:136 Resp: 292746

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	6.6	9.8
68	5.6	4.6	6.8



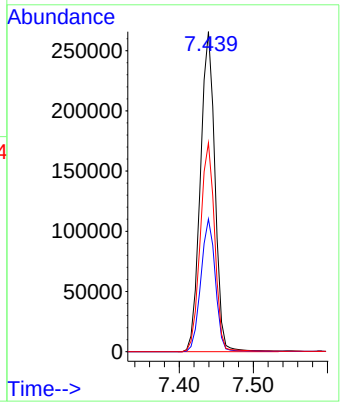


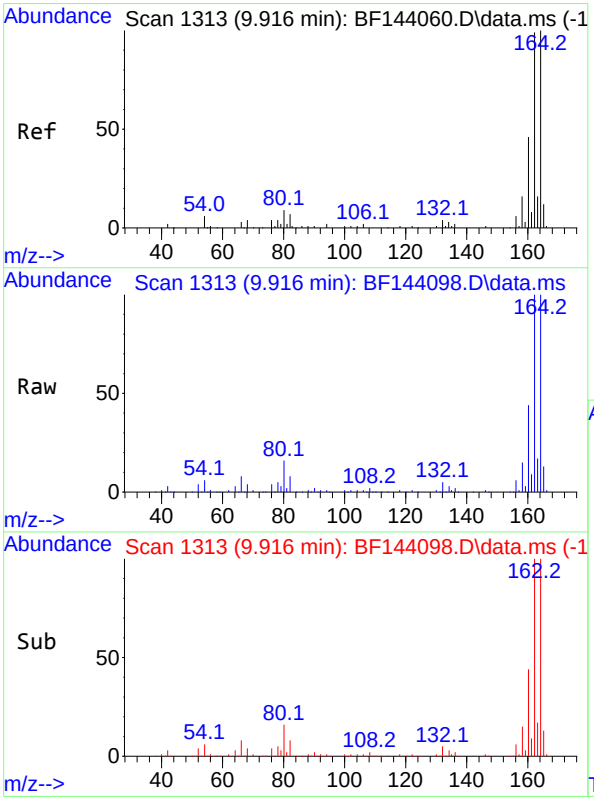
#23
Nitrobenzene-d5
Concen: 67.982 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion: 82 Resp: 363250

Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.4	48.6
54	65.3	54.0	81.0

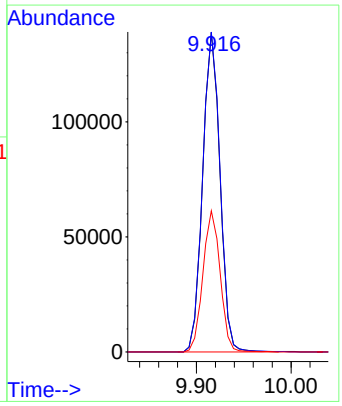


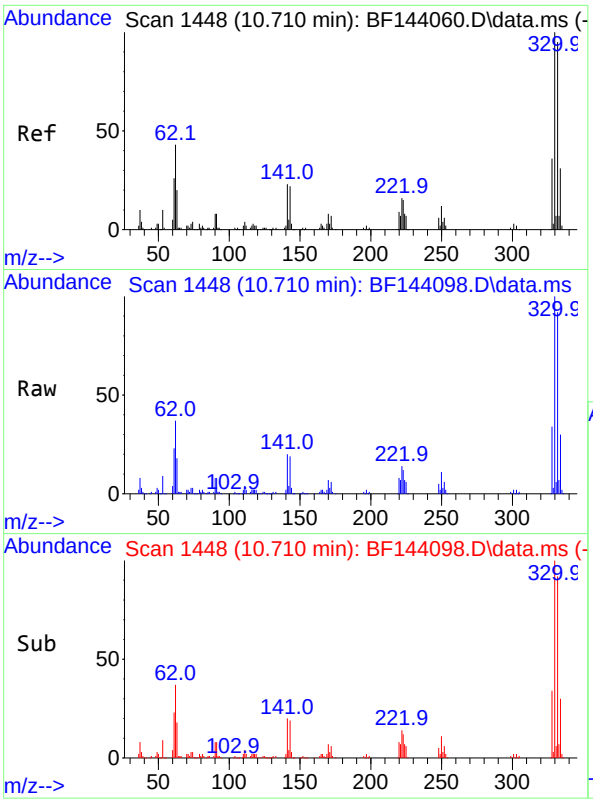


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:164 Resp: 176104

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.2
160	44.2	36.7	55.1



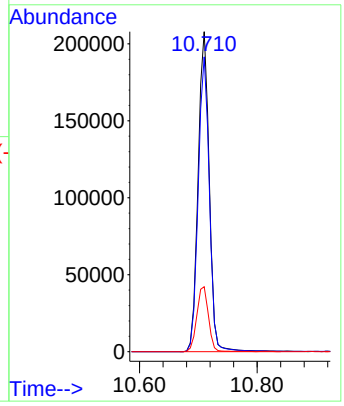


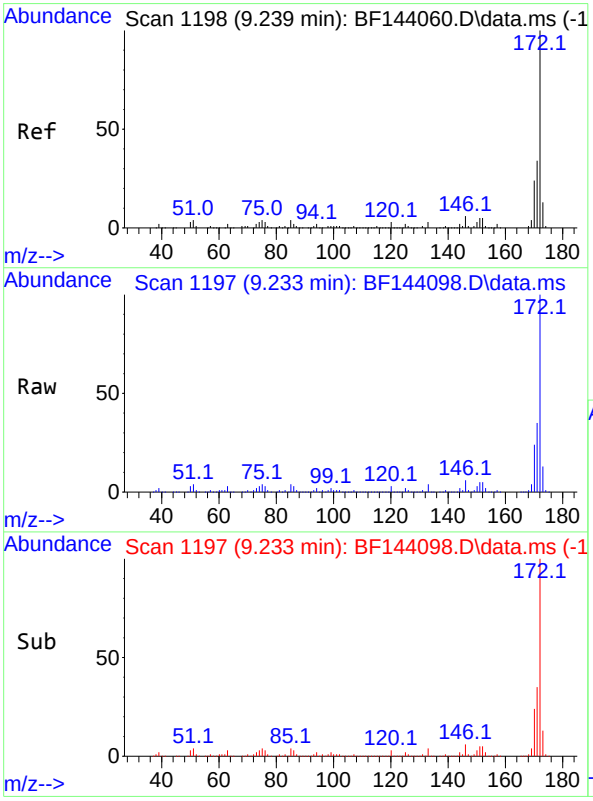
#42
2,4,6-Tribromophenol
Concen: 121.977 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion:330 Resp: 273621

Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.0	115.6
141	21.1	19.4	29.0

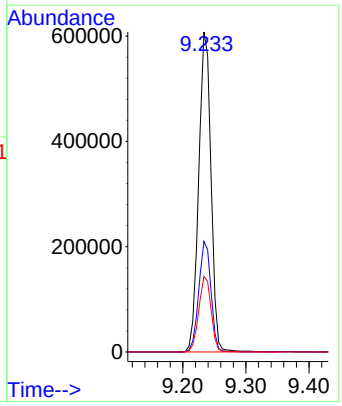


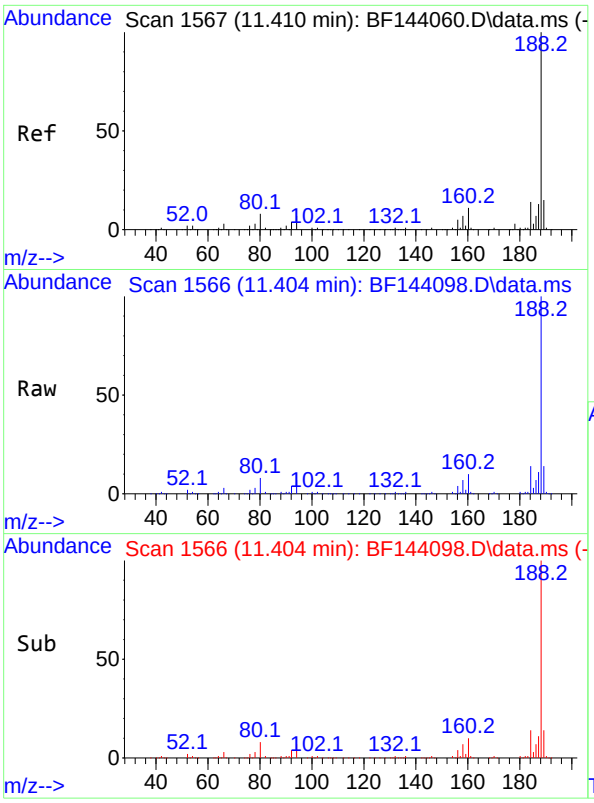


#45
2-Fluorobiphenyl
Concen: 65.509 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:172 Resp: 819800

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	23.6	19.0	28.6



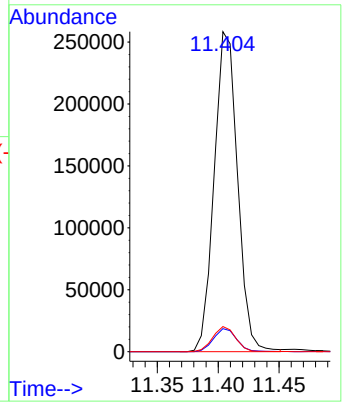


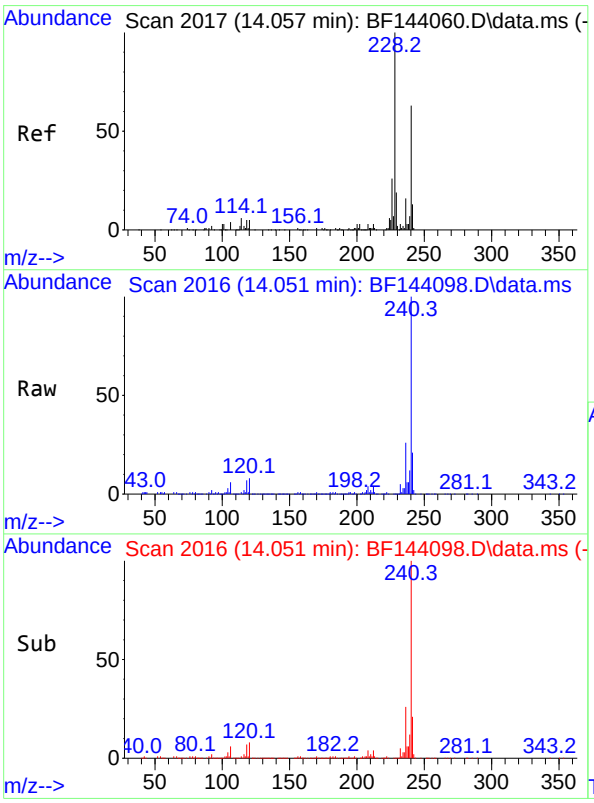
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion:188 Resp: 344710

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.4	8.0
80	7.9	6.0	9.0

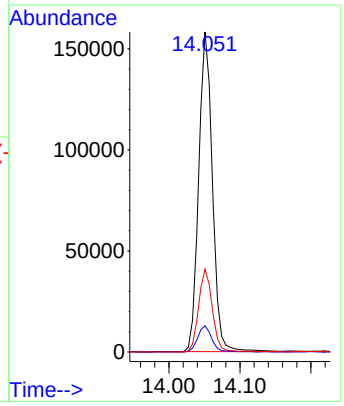


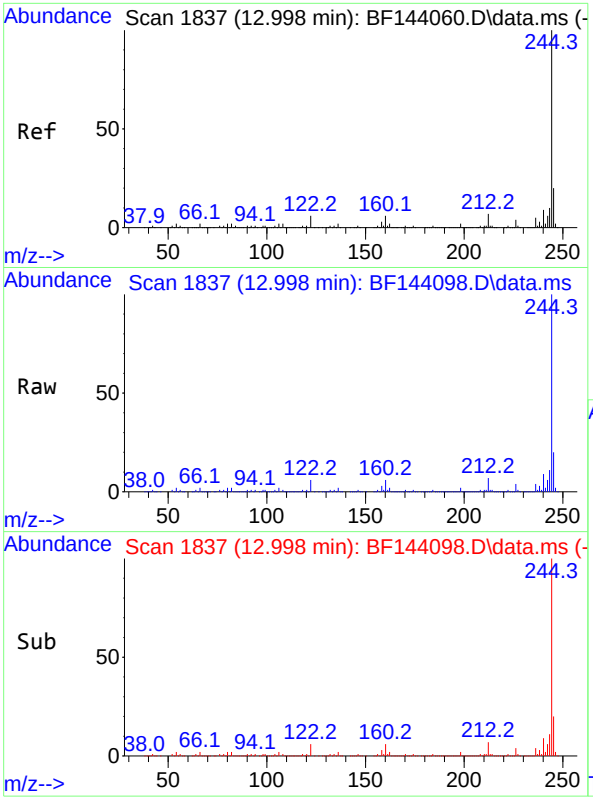


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:240 Resp: 212971

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.8	20.1	30.1



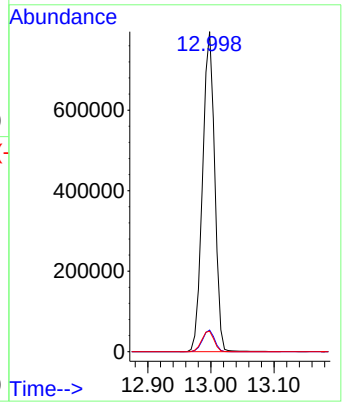


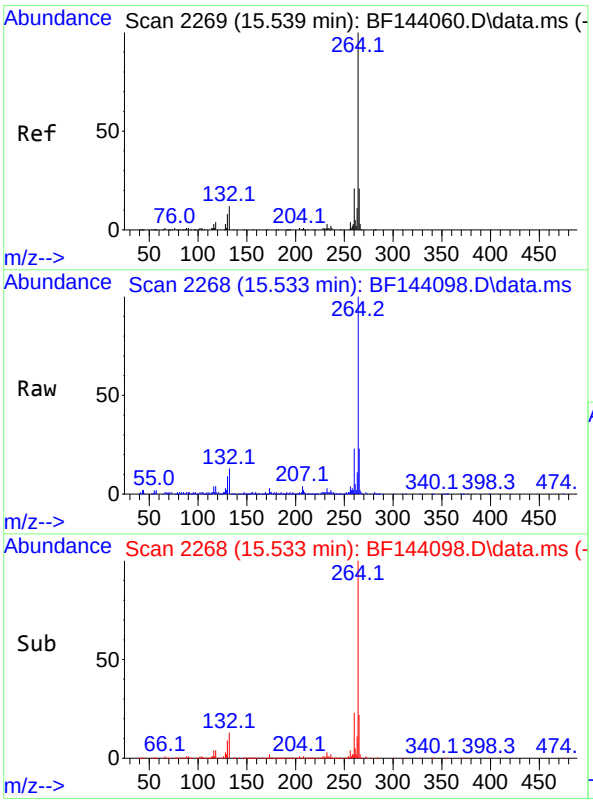
#79
Terphenyl-d14
Concen: 86.772 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion:244 Resp: 1057072

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.4	4.9	7.3

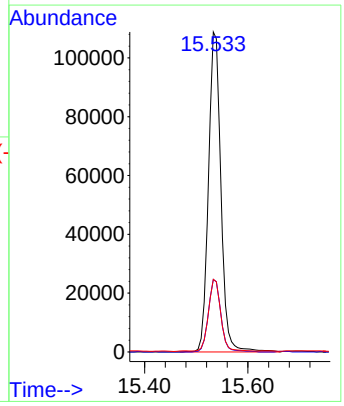




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:264 Resp: 182134

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.0	25.4
265	22.7	16.6	24.8



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:	PB170267BS			SDG No.:	Q3447
Lab Sample ID:	PB170267BS			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	34.3		1	1.30	5.00	ug/L	10/28/25 14:16	PB170267
106-46-7	1,4-Dichlorobenzene	41.0		1	0.53	5.00	ug/L	10/28/25 14:16	PB170267
95-48-7	2-Methylphenol	44.1		1	1.10	5.00	ug/L	10/28/25 14:16	PB170267
65794-96-9	3+4-Methylphenols	42.5		1	1.10	10.0	ug/L	10/28/25 14:16	PB170267
67-72-1	Hexachloroethane	40.0		1	0.65	5.00	ug/L	10/28/25 14:16	PB170267
98-95-3	Nitrobenzene	40.8		1	0.76	5.00	ug/L	10/28/25 14:16	PB170267
87-68-3	Hexachlorobutadiene	39.7		1	0.54	5.00	ug/L	10/28/25 14:16	PB170267
88-06-2	2,4,6-Trichlorophenol	42.4		1	0.51	5.00	ug/L	10/28/25 14:16	PB170267
95-95-4	2,4,5-Trichlorophenol	43.5		1	0.62	5.00	ug/L	10/28/25 14:16	PB170267
121-14-2	2,4-Dinitrotoluene	50.0		1	1.20	5.00	ug/L	10/28/25 14:16	PB170267
118-74-1	Hexachlorobenzene	42.9		1	0.52	5.00	ug/L	10/28/25 14:16	PB170267
87-86-5	Pentachlorophenol	94.2	E	1	1.60	10.0	ug/L	10/28/25 14:16	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	106			23 - 138	71%	SPK: 150		
13127-88-3	Phenol-d6	111			10 - 134	74%	SPK: 150		
4165-60-0	Nitrobenzene-d5	76.2			67 - 132	76%	SPK: 100		
321-60-8	2-Fluorobiphenyl	72.9			52 - 132	73%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	131			44 - 137	88%	SPK: 150		
1718-51-0	Terphenyl-d14	107			42 - 152	107%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	82200							
1146-65-2	Naphthalene-d8	315000							
15067-26-2	Acenaphthene-d10	186000							
1517-22-2	Phenanthrene-d10	347000							
1719-03-5	Chrysene-d12	188000							
1520-96-3	Perylene-d12	212000							

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144099.D
Acq On : 28 Oct 2025 14:16
Operator : RC/JU
Sample : PB170267BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 16:09:35 2025
Quant Title :
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170267BS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	82245	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	315394	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	185793	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	347429	20.000	ng		0.00
76) Chrysene-d12	14.057	240	187996	20.000	ng		0.00
86) Perylene-d12	15.539	264	212306	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	553208	106.418	ng		0.02
7) Phenol-d6	6.516	99	639059	111.312	ng		0.01
23) Nitrobenzene-d5	7.445	82	438470	76.167	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	311085	131.446	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	962682	72.915	ng		0.00
79) Terphenyl-d14	12.998	244	1145319	106.506	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	72383	32.222	ng		97
3) Pyridine	3.498	79	206241	34.294	ng		98
4) n-Nitrosodimethylamine	3.446	42	147031	39.788	ng		97
6) Aniline	6.545	93	279986	34.089	ng		99
8) 2-Chlorophenol	6.663	128	208044	40.638	ng		98
9) Benzaldehyde	6.428	77	113474	25.457	ng		99
10) Phenol	6.528	94	275183	38.852	ng		88
11) bis(2-Chloroethyl)ether	6.616	93	214428	41.896	ng		97
12) 1,3-Dichlorobenzene	6.822	146	249087	39.443	ng		99
13) 1,4-Dichlorobenzene	6.898	146	255042	40.980	ng		98
14) 1,2-Dichlorobenzene	7.045	146	248274	41.229	ng		100
15) Benzyl Alcohol	7.022	79	211812	45.373	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	400224	41.607	ng		94
17) 2-Methylphenol	7.134	107	173635	44.099	ng		97
18) Hexachloroethane	7.392	117	88920	39.963	ng		97
19) n-Nitroso-di-n-propyla...	7.292	70	166760	44.918	ng		95
20) 3+4-Methylphenols	7.286	107	197810	42.497	ng	#	84
22) Acetophenone	7.292	105	316501	46.435	ng		96
24) Nitrobenzene	7.463	77	248557	40.816	ng		100
25) Isophorone	7.704	82	449516	44.663	ng		99
26) 2-Nitrophenol	7.775	139	125980	43.486	ng		99
27) 2,4-Dimethylphenol	7.816	122	203646	47.303	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	268793	42.825	ng		97
29) 2,4-Dichlorophenol	8.022	162	209860	41.917	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	220886	42.886	ng		98
31) Naphthalene	8.186	128	595729	40.020	ng		99
32) Benzoic acid	7.951	122	170016	62.259	ng	#	83
33) 4-Chloroaniline	8.233	127	137403	26.515	ng		97
34) Hexachlorobutadiene	8.298	225	167090	39.674	ng		98
35) Caprolactam	8.610	113	66819m	53.222	ng		
36) 4-Chloro-3-methylphenol	8.716	107	207200	46.898	ng		94
37) 2-Methylnaphthalene	8.875	142	384568	39.184	ng		97
38) 1-Methylnaphthalene	8.975	142	386706	41.589	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	265538	41.586	ng		99
41) Hexachlorocyclopentadiene	9.028	237	264995	134.365	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	176011	42.408	ng		99
44) 2,4,5-Trichlorophenol	9.198	196	189414	43.485	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144099.D
Acq On : 28 Oct 2025 14:16
Operator : RC/JU
Sample : PB170267BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 16:09:35 2025
Quant Title :
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170267BS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.339	154	583723	43.889	ng		99
47) 2-Chloronaphthalene	9.369	162	435377	39.074	ng		98
48) 2-Nitroaniline	9.463	65	143358	43.328	ng		97
49) Acenaphthylene	9.780	152	697184	46.405	ng		100
50) Dimethylphthalate	9.645	163	558313	45.845	ng		100
51) 2,6-Dinitrotoluene	9.704	165	119243	49.529	ng		97
52) Acenaphthene	9.957	154	395278	39.395	ng		98
53) 3-Nitroaniline	9.875	138	90865	33.946	ng		97
54) 2,4-Dinitrophenol	9.986	184	143249	110.009	ng		99
55) Dibenzofuran	10.127	168	584774	41.981	ng		98
56) 4-Nitrophenol	10.045	139	169400	93.457	ng		97
57) 2,4-Dinitrotoluene	10.116	165	162345	49.963	ng	#	93
58) Fluorene	10.475	166	456168	42.980	ng		95
59) 2,3,4,6-Tetrachlorophenol	10.245	232	151091m	49.223	ng		
60) Diethylphthalate	10.345	149	525544	45.888	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	260833	43.700	ng		97
62) 4-Nitroaniline	10.498	138	119406	47.080	ng		97
63) Azobenzene	10.622	77	491191	45.313	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	102655	46.053	ng		97
66) n-Nitrosodiphenylamine	10.580	169	460065	41.445	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	182630	41.984	ng		99
68) Hexachlorobenzene	11.022	284	228963	42.918	ng		96
69) Atrazine	11.110	200	168047	46.134	ng		98
70) Pentachlorophenol	11.216	266	239310	94.237	ng		97
71) Phenanthrene	11.439	178	712433	41.280	ng		99
72) Anthracene	11.486	178	733246	41.128	ng		99
73) Carbazole	11.645	167	632457	41.677	ng		98
74) Di-n-butylphthalate	11.969	149	808755	43.469	ng		100
75) Fluoranthene	12.627	202	782938	41.061	ng		100
77) Benzidine	12.745	184	245602	41.978	ng		97
78) Pyrene	12.857	202	765832	56.663	ng		100
80) Butylbenzylphthalate	13.468	149	256551	50.175	ng		99
81) Benzo(a)anthracene	14.045	228	571832	45.009	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	151207	34.190	ng		99
83) Chrysene	14.080	228	512766	43.009	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	298825	42.809	ng		99
85) Di-n-octyl phthalate	14.639	149	452875	37.726	ng		100
87) Indeno(1,2,3-cd)pyrene	17.051	276	663296	45.506	ng		100
88) Benzo(b)fluoranthene	15.104	252	512853	42.729	ng		99
89) Benzo(k)fluoranthene	15.133	252	506870	45.772	ng		98
90) Benzo(a)pyrene	15.474	252	499311	46.371	ng		98
91) Dibenzo(a,h)anthracene	17.062	278	529734	45.912	ng		100
92) Benzo(g,h,i)perylene	17.503	276	547573	47.204	ng		98

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

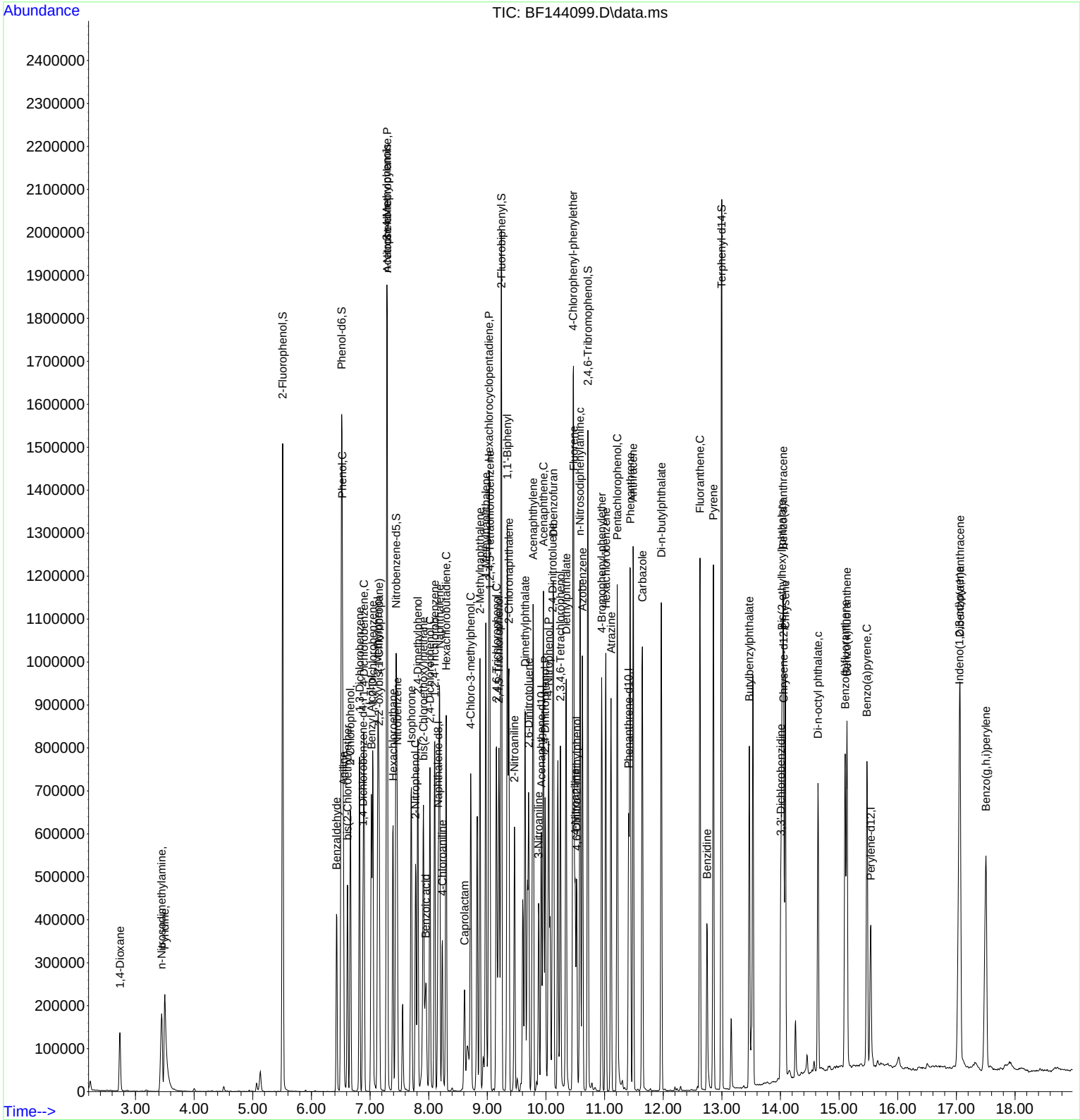
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144099.D
Acq On : 28 Oct 2025 14:16
Operator : RC/JU
Sample : PB170267BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

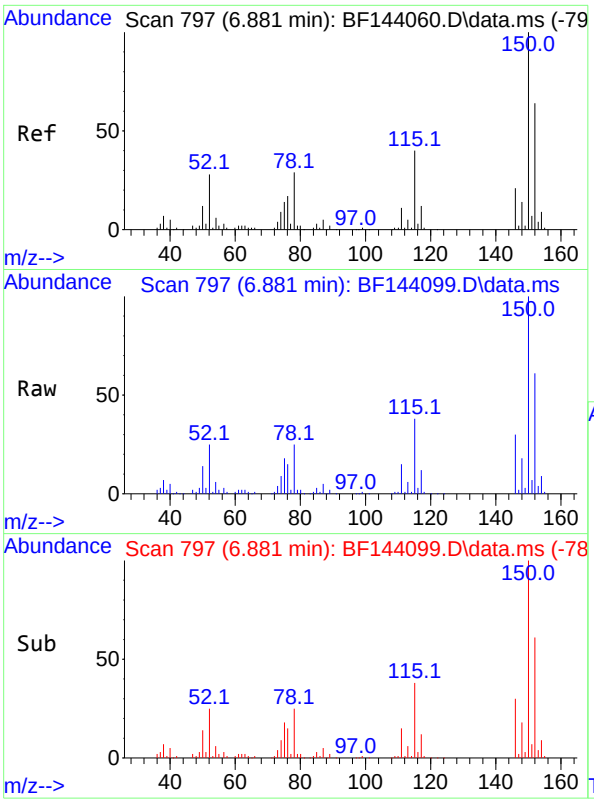
Quant Time: Oct 28 16:09:35 2025
Quant Title :
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations APPROVED

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

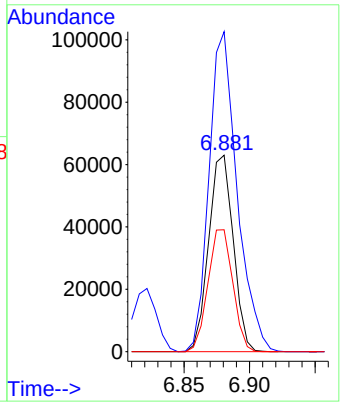




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:152 Resp: 8224

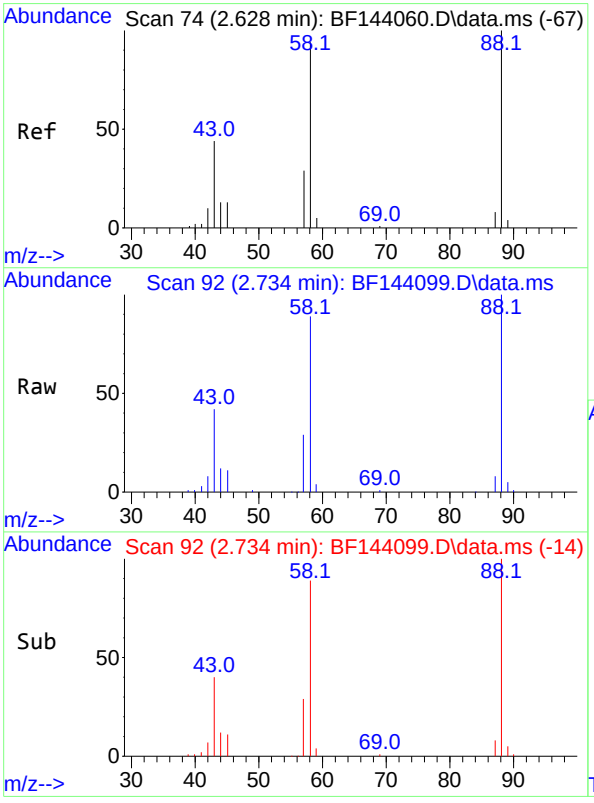
Ion	Ratio	Lower	Upper
152	100		
150	162.9	124.4	186.6
115	62.1	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

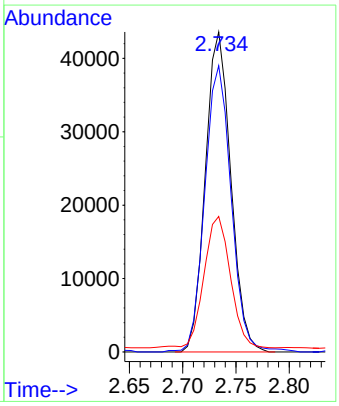
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

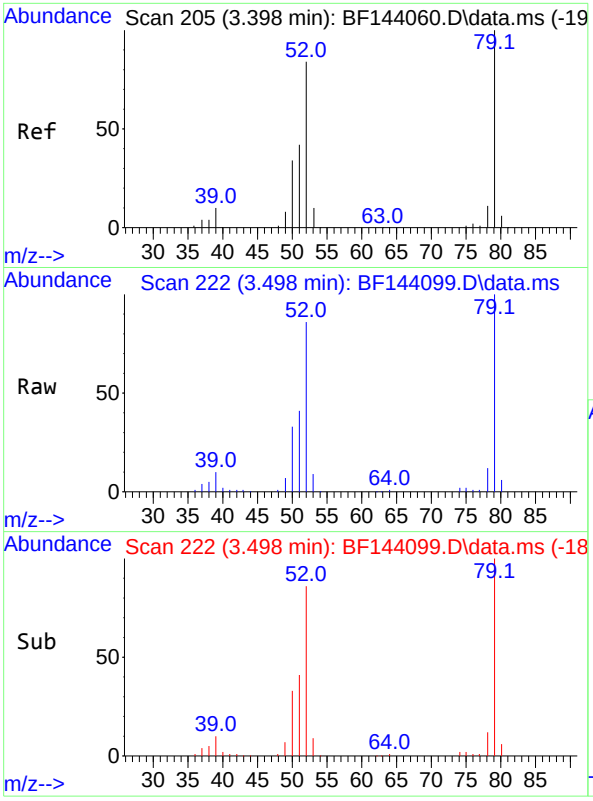


#2
1,4-Dioxane
Concen: 32.222 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.106 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 88 Resp: 72383

Ion	Ratio	Lower	Upper
88	100		
58	93.0	76.5	114.7
43	42.6	35.3	52.9

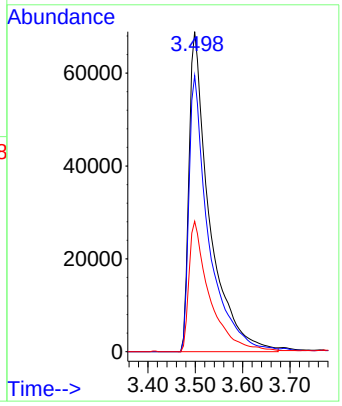




#3
Pyridine
Concen: 34.294 ng
RT: 3.498 min Scan# 2
Delta R.T. 0.099 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 79 Resp: 20624

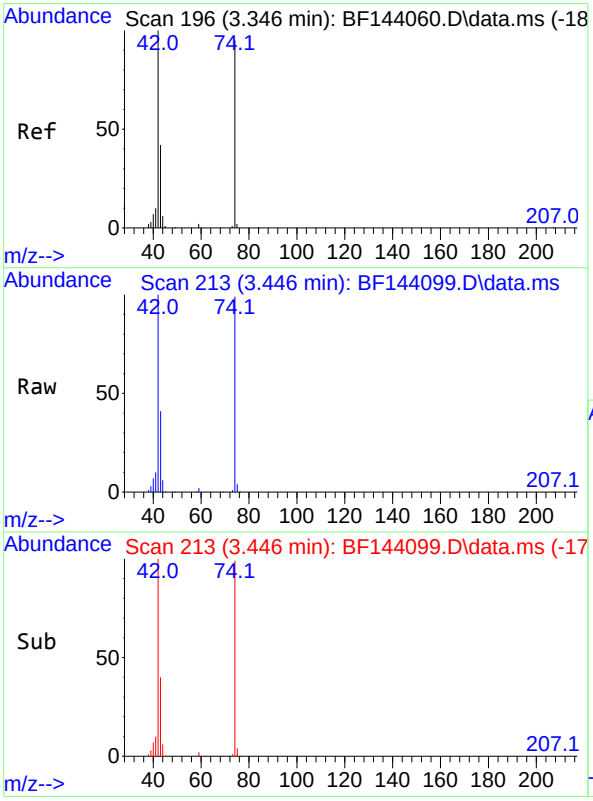
Ion	Ratio	Lower	Upper
79	100		
52	86.3	67.5	101.3
51	40.7	33.6	50.4



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

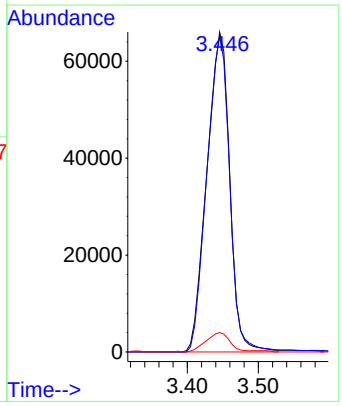
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

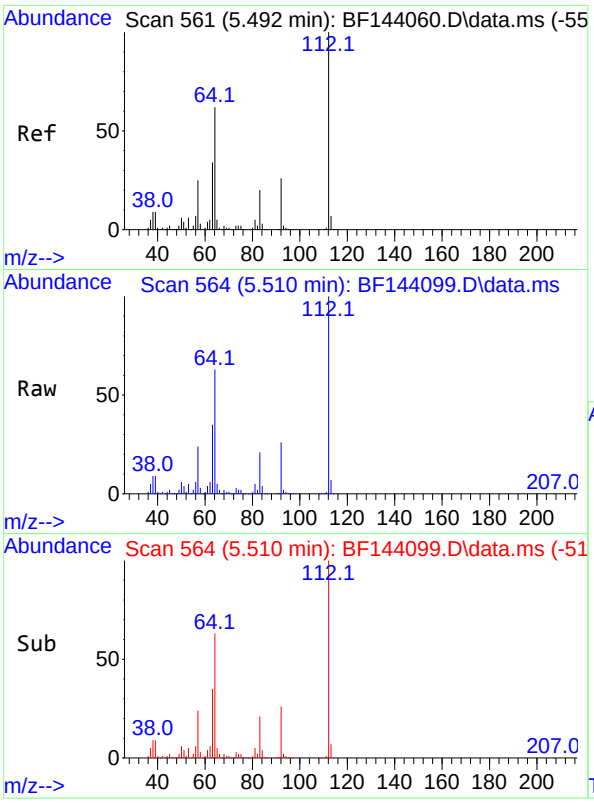


#4
n-Nitrosodimethylamine
Concen: 39.788 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.100 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 42 Resp: 147031

Ion	Ratio	Lower	Upper
42	100		
74	98.6	76.4	114.6
44	6.0	5.2	7.8

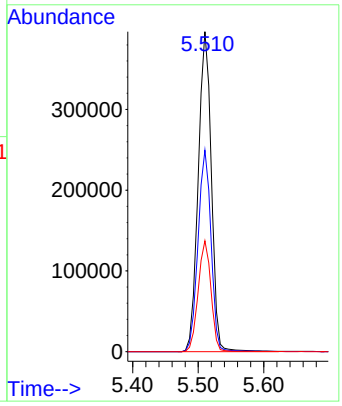




#5
2-Fluorophenol
Concen: 106.418 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:112 Resp: 55320

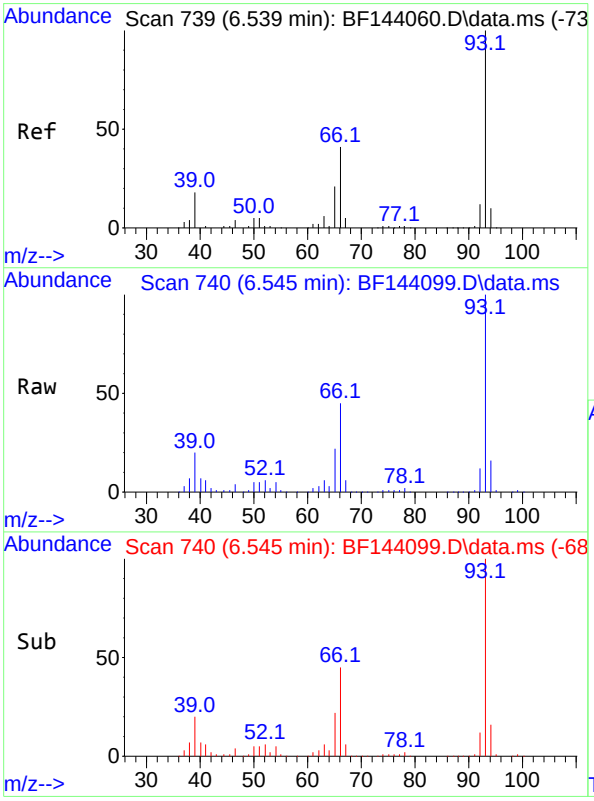
Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	34.7	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

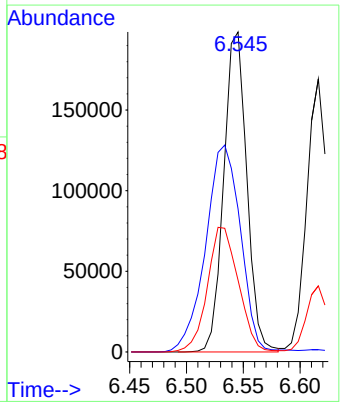
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

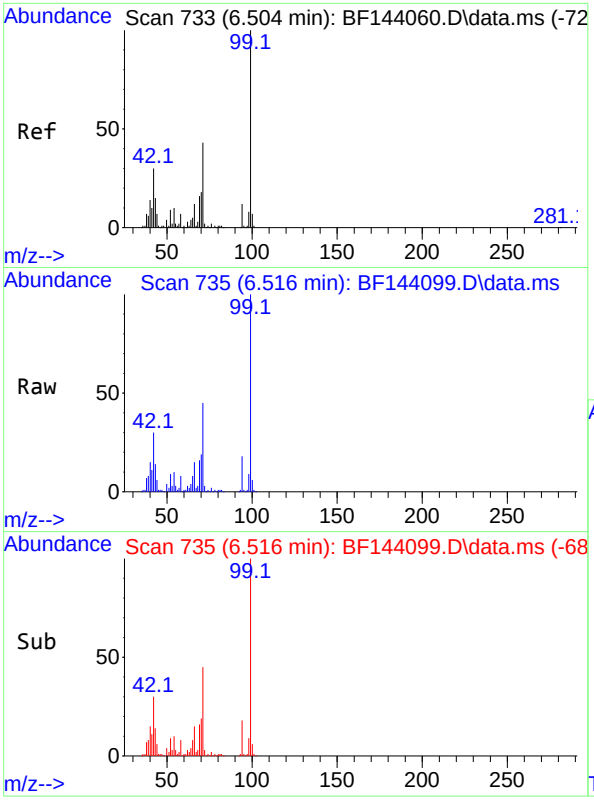


#6
Aniline
Concen: 34.089 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 93 Resp: 279986

Ion	Ratio	Lower	Upper
93	100		
66	44.7	35.7	53.5
65	22.5	17.0	25.6

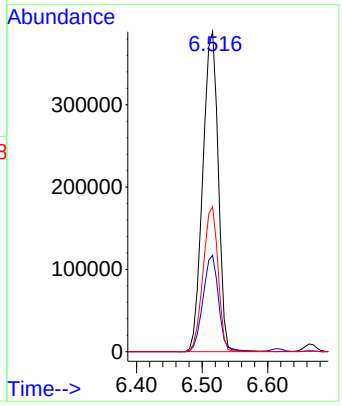




#7
Phenol-d6
Concen: 111.312 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 99 Resp: 63905

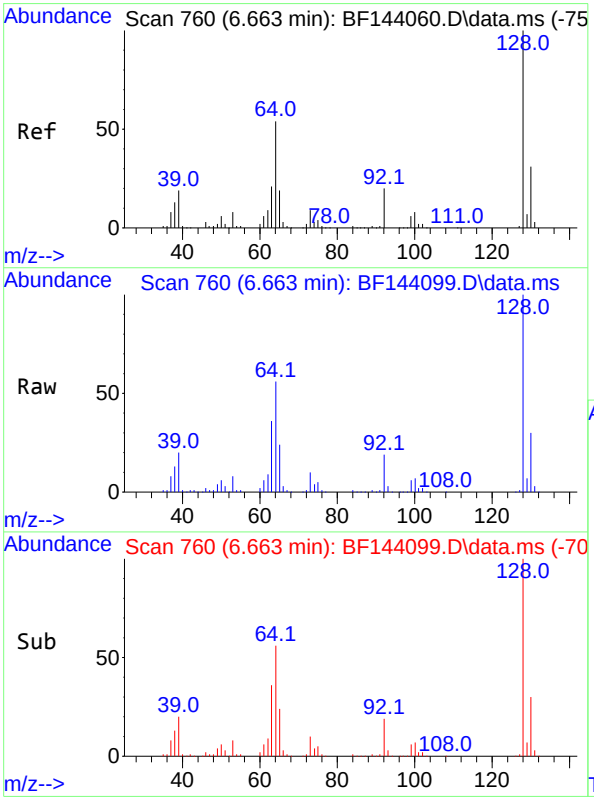
Ion	Ratio	Lower	Upper
99	100		
42	30.2	23.9	35.9
71	45.4	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

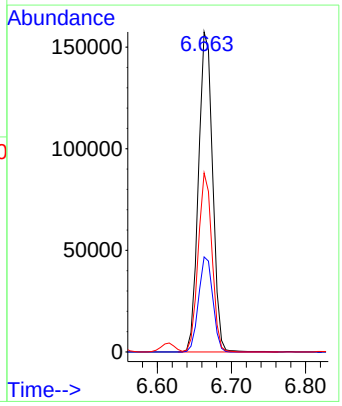
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

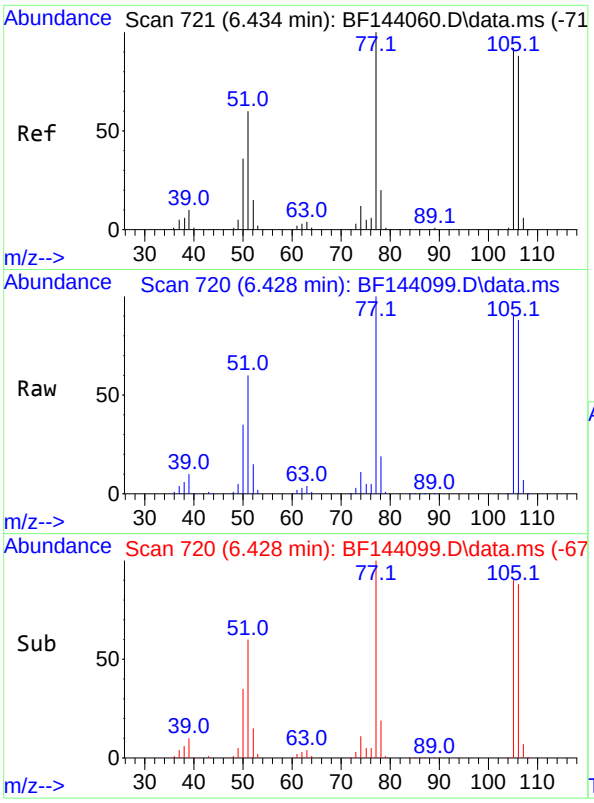


#8
2-Chlorophenol
Concen: 40.638 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:128 Resp: 208044

Ion	Ratio	Lower	Upper
128	100		
130	29.7	10.7	50.7
64	56.0	34.7	74.7

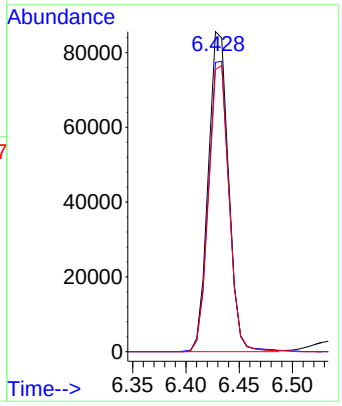




#9
Benzaldehyde
Concen: 25.457 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 77 Resp: 11347

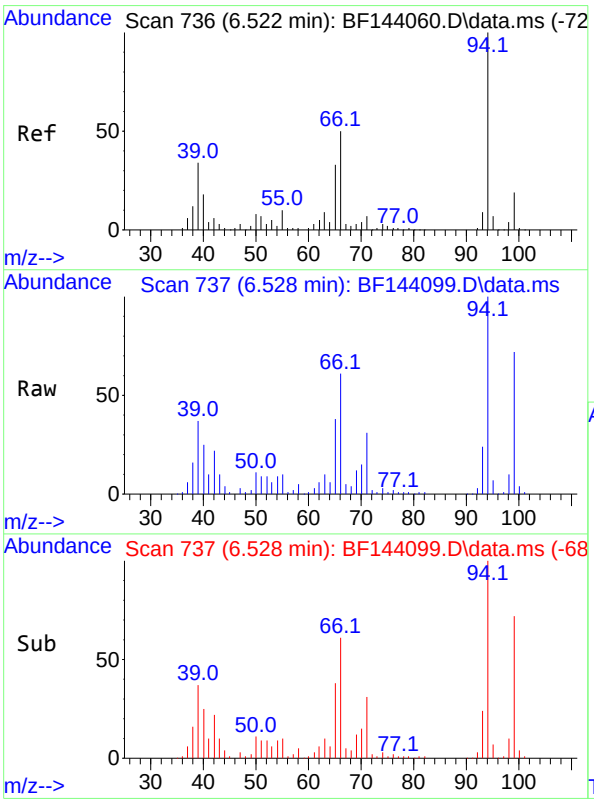
Ion	Ratio	Lower	Upper
77	100		
105	90.4	72.2	112.2
106	88.2	67.9	107.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

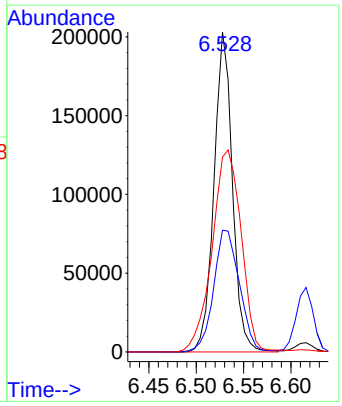
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

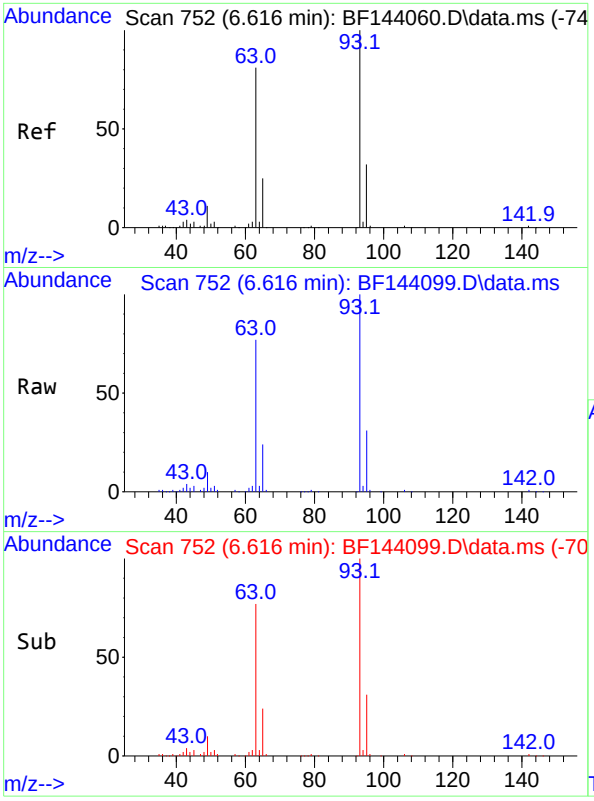


#10
Phenol
Concen: 38.852 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 94 Resp: 275183

Ion	Ratio	Lower	Upper
94	100		
65	38.0	13.1	53.1
66	60.9	30.6	70.6

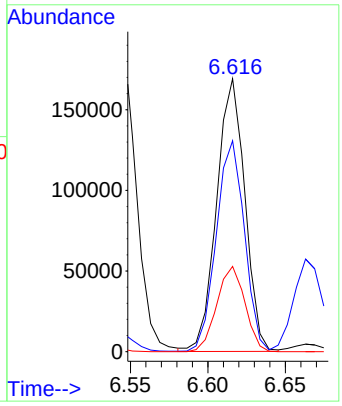




#11
bis(2-Chloroethyl)ether
Concen: 41.896 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 93 Resp: 21442

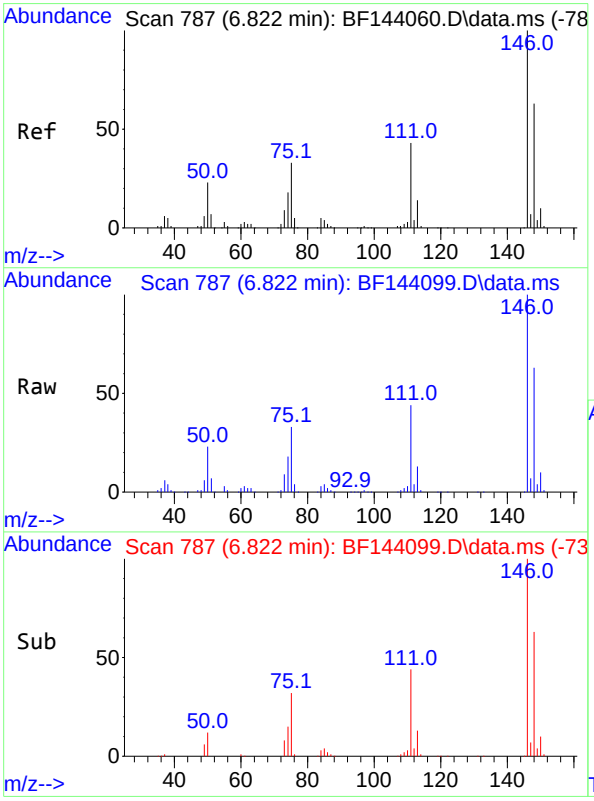
Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.2	100.2
95	31.2	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

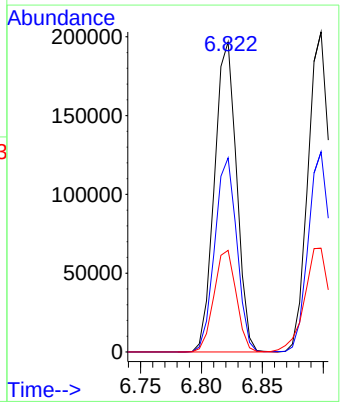
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

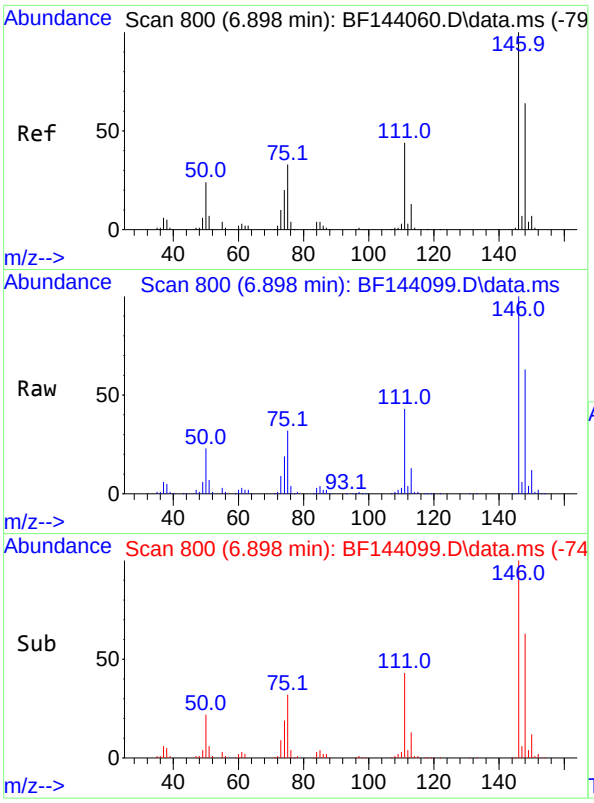


#12
1,3-Dichlorobenzene
Concen: 39.443 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:146 Resp: 249087

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.6	75.8
75	32.8	26.6	40.0





#13
1,4-Dichlorobenzene
Concen: 40.980 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

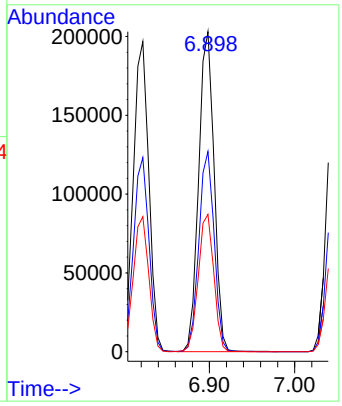
Tgt Ion:146 Resp: 25504

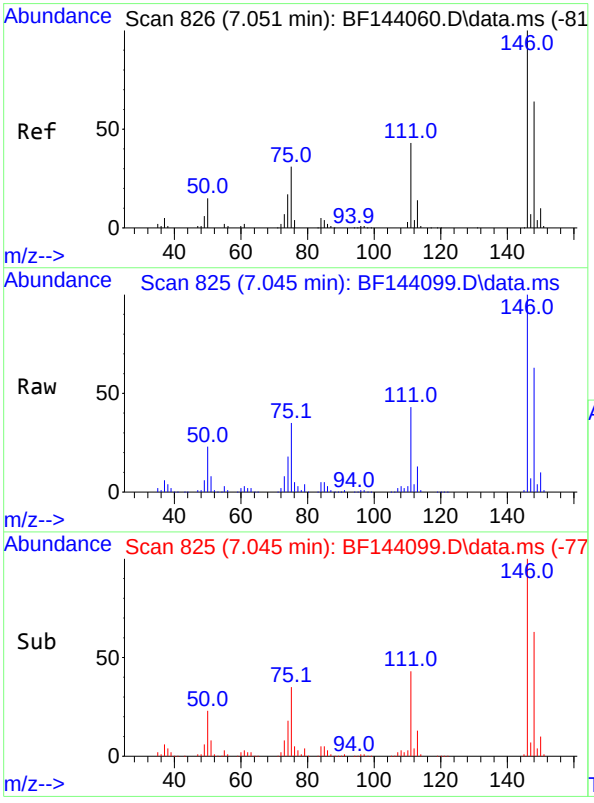
Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.6
111	42.9	35.0	52.6

Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

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

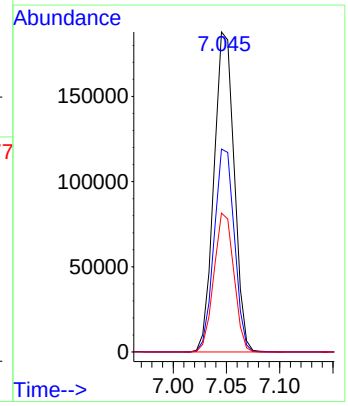


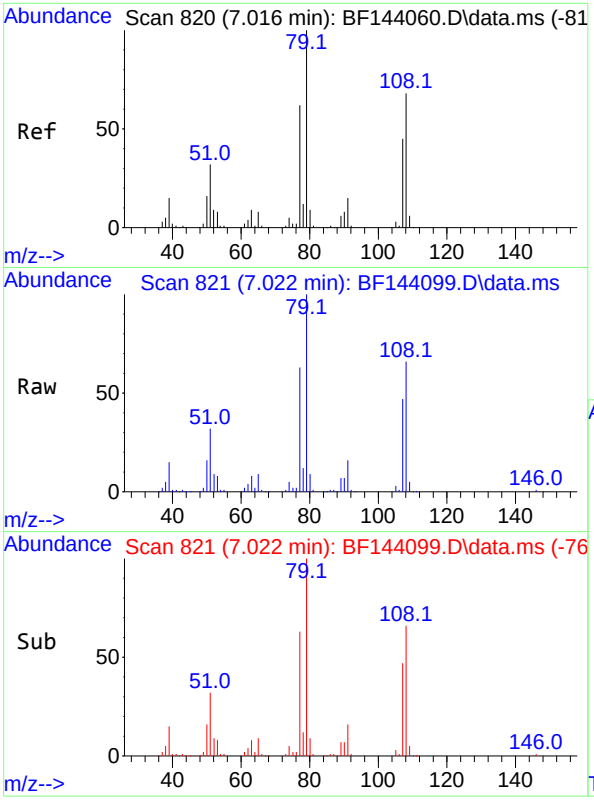


#14
1,2-Dichlorobenzene
Concen: 41.229 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:146 Resp: 248274

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	43.4	34.7	52.1

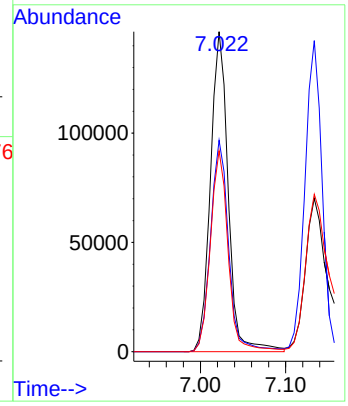




#15
Benzyl Alcohol
Concen: 45.373 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 79 Resp: 21181

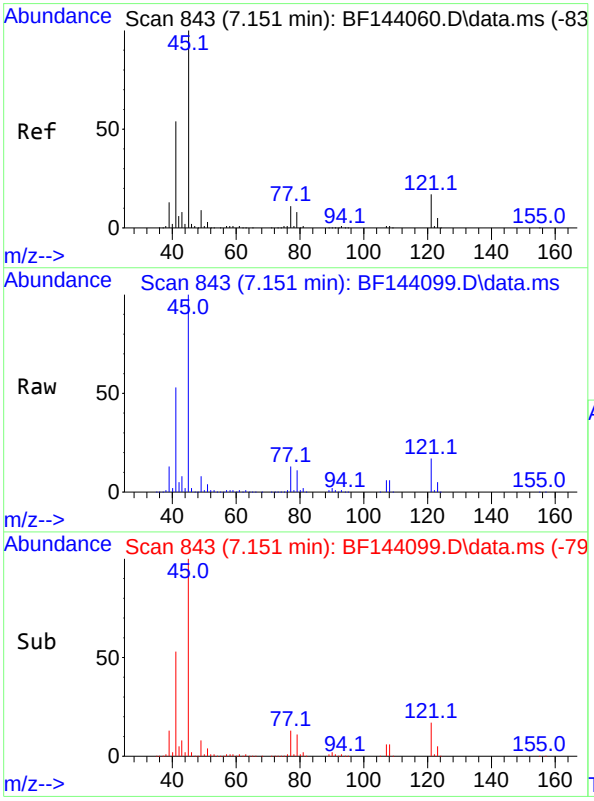
Ion	Ratio	Lower	Upper
79	100		
108	66.0	54.8	82.2
77	62.8	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

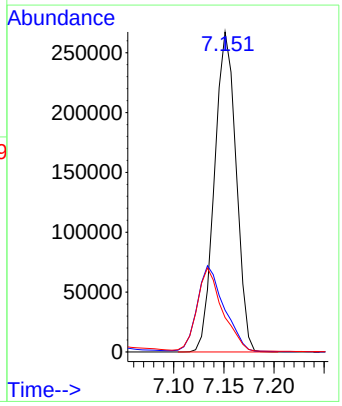
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

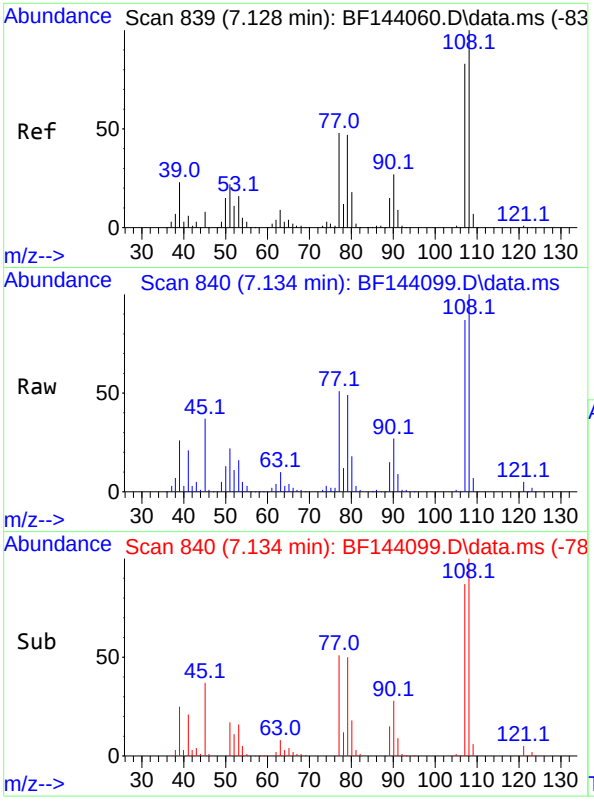


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.607 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 45 Resp: 400224

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	30.9
79	10.7	0.0	28.2

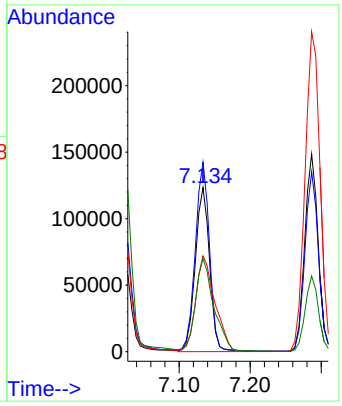




#17
2-Methylphenol
Concen: 44.099 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:107 Resp: 17363

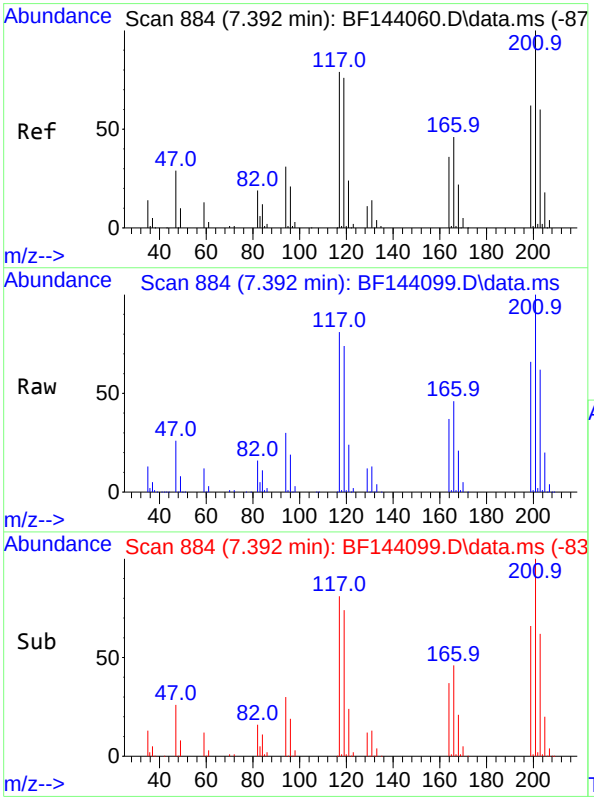
Ion	Ratio	Lower	Upper
107	100		
108	115.4	96.4	144.6
77	58.4	46.8	70.2
79	56.9	45.8	68.6



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

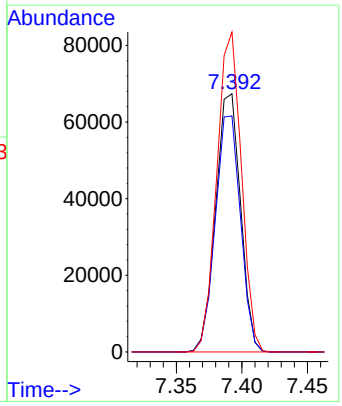
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

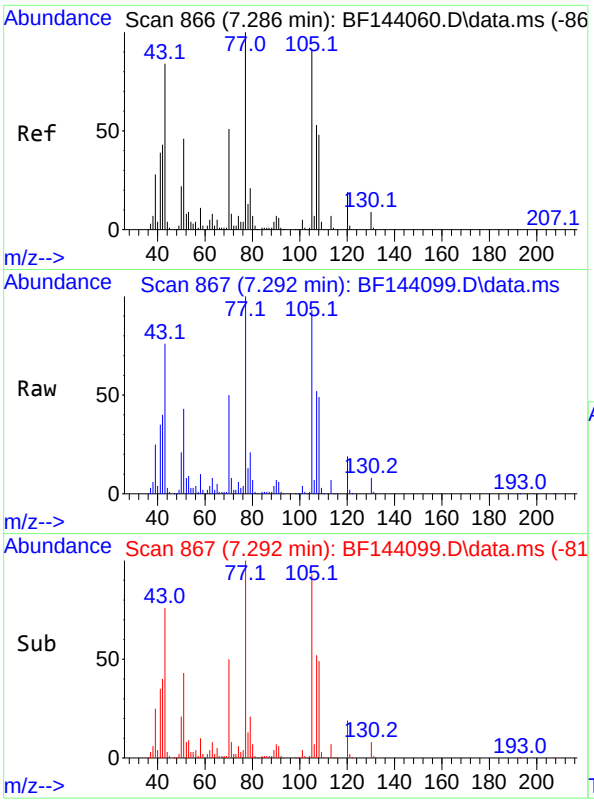


#18
Hexachloroethane
Concen: 39.963 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:117 Resp: 88920

Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.6	115.0
201	123.9	100.9	151.3

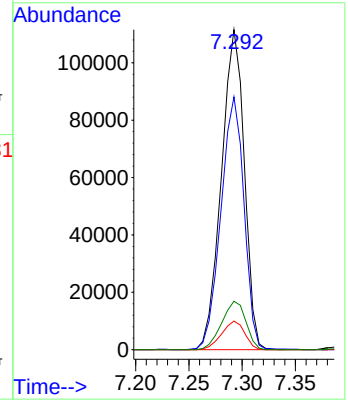




#19
n-Nitroso-di-n-propylamine
Concen: 44.918 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

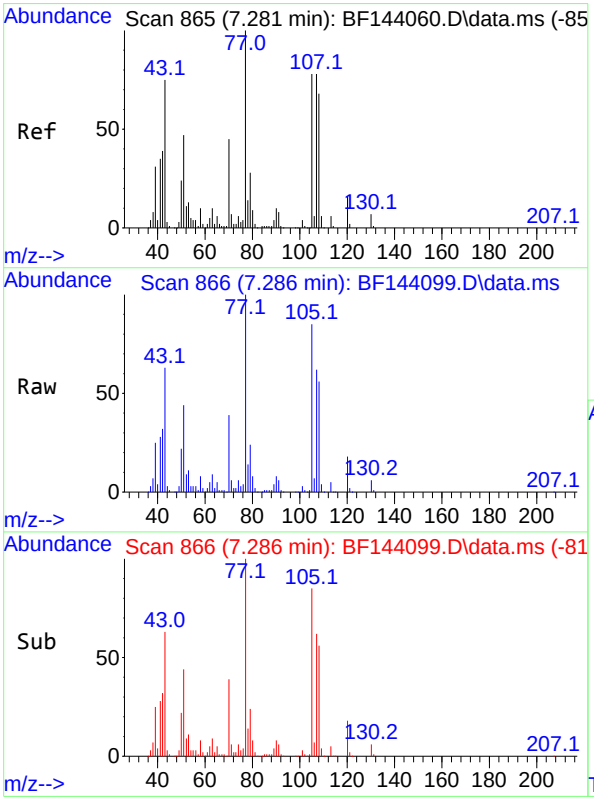
Tgt Ion: 70 Resp: 16676

Ion	Ratio	Lower	Upper
70	100		
42	79.0	67.4	101.0
101	8.9	7.1	10.7
130	15.1	13.5	20.3



Instrument :
BNA_F
ClientSampleId :
PB170267BS

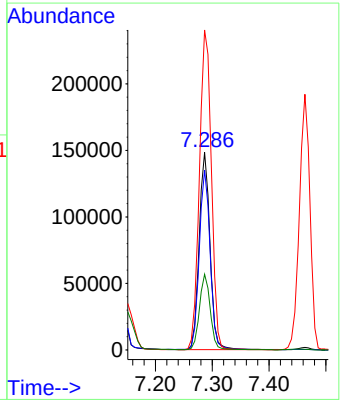
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

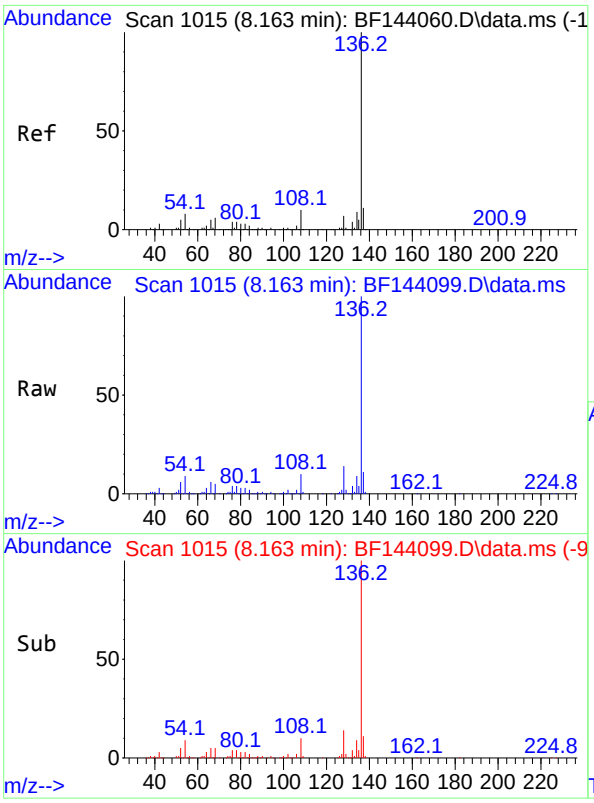


#20
3+4-Methylphenols
Concen: 42.497 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:107 Resp: 197810

Ion	Ratio	Lower	Upper
107	100		
108	91.0	68.0	108.0
77	161.9	108.7	148.7#
79	38.3	16.7	56.7

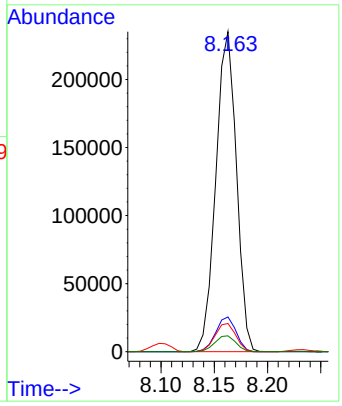




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:136 Resp: 31539

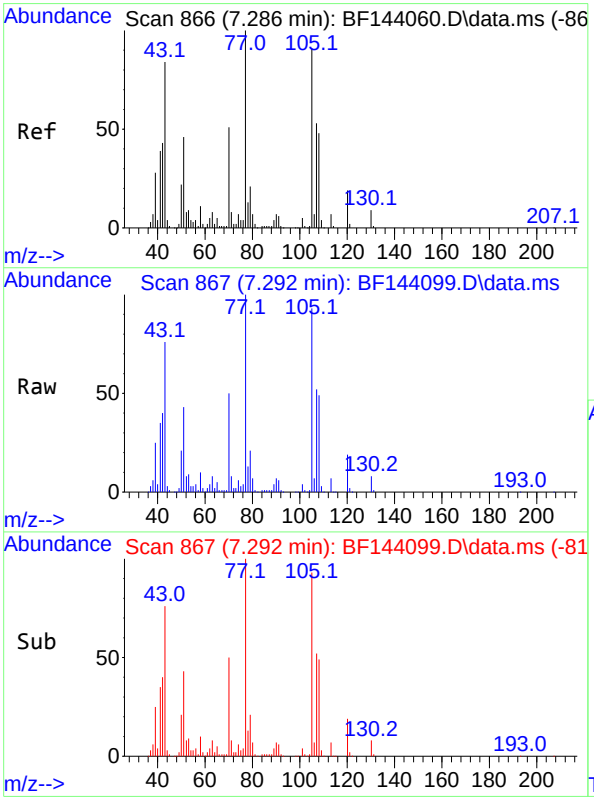
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	6.6	9.8
68	4.9	4.6	6.8



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

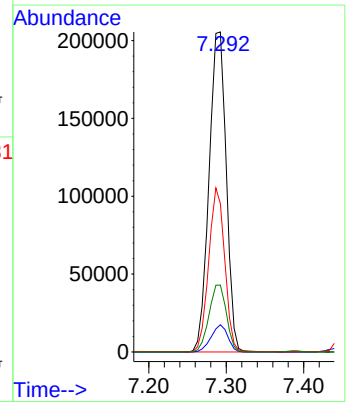
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

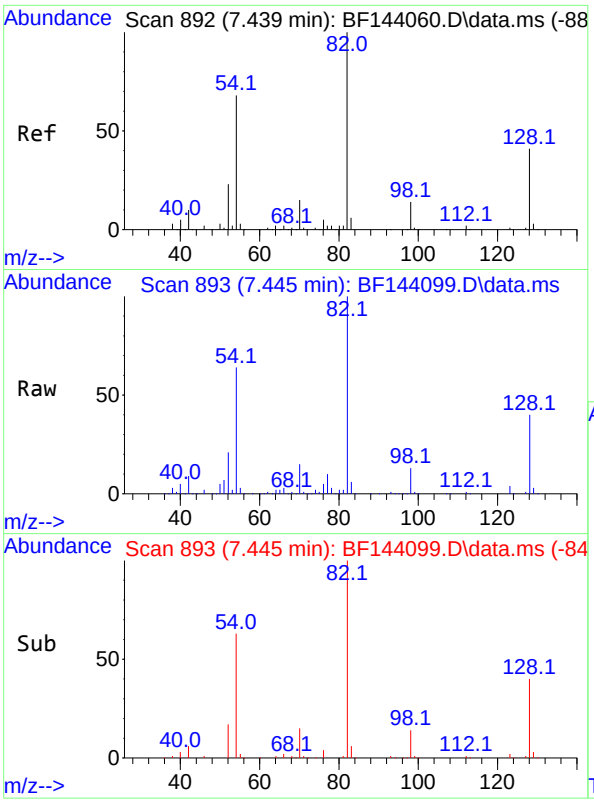


#22
Acetophenone
Concen: 46.435 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:105 Resp: 316501

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.9	10.3
51	46.4	40.6	60.8
120	20.9	16.8	25.2

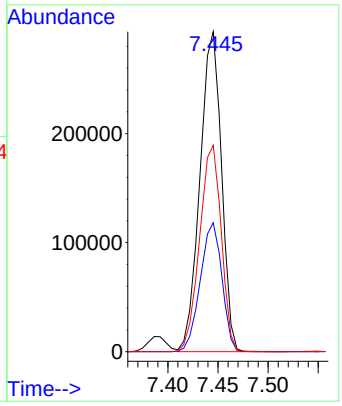




#23
Nitrobenzene-d5
Concen: 76.167 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 82 Resp: 43847

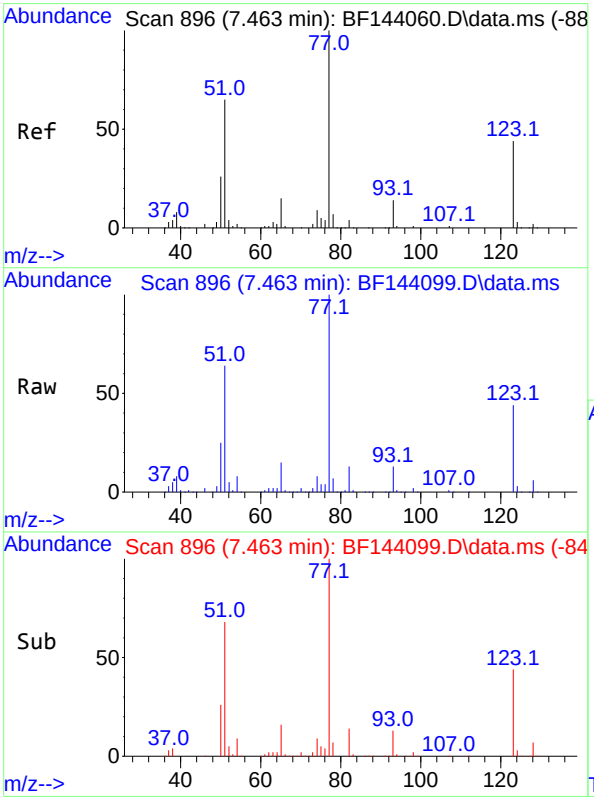
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	64.4	54.0	81.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

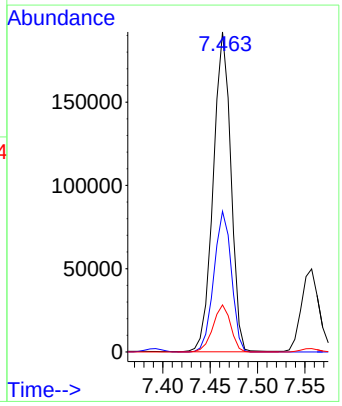
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

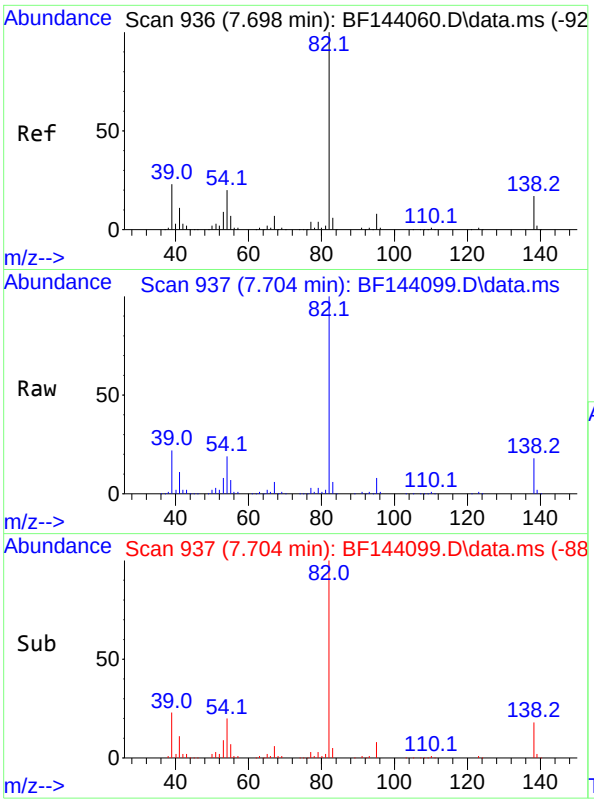


#24
Nitrobenzene
Concen: 40.816 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 77 Resp: 248557

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.0	52.6
65	14.7	12.2	18.2

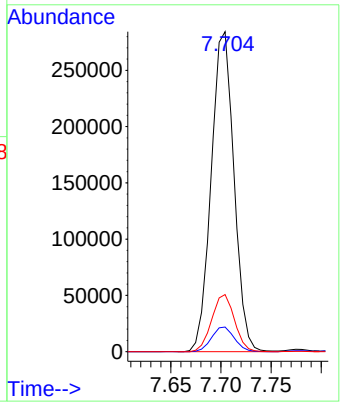




#25
Isophorone
Concen: 44.663 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 82 Resp: 44951

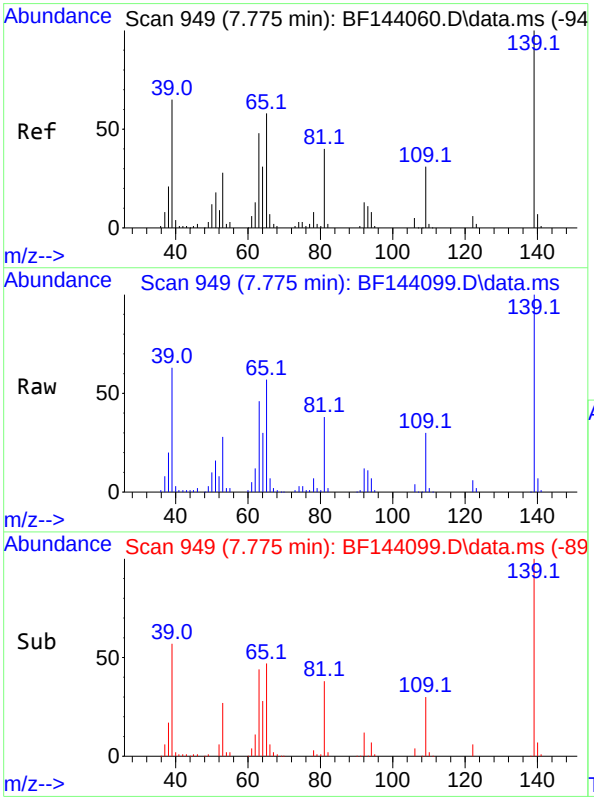
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.6	9.8
138	17.9	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

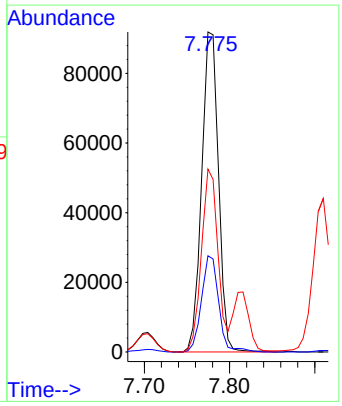
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

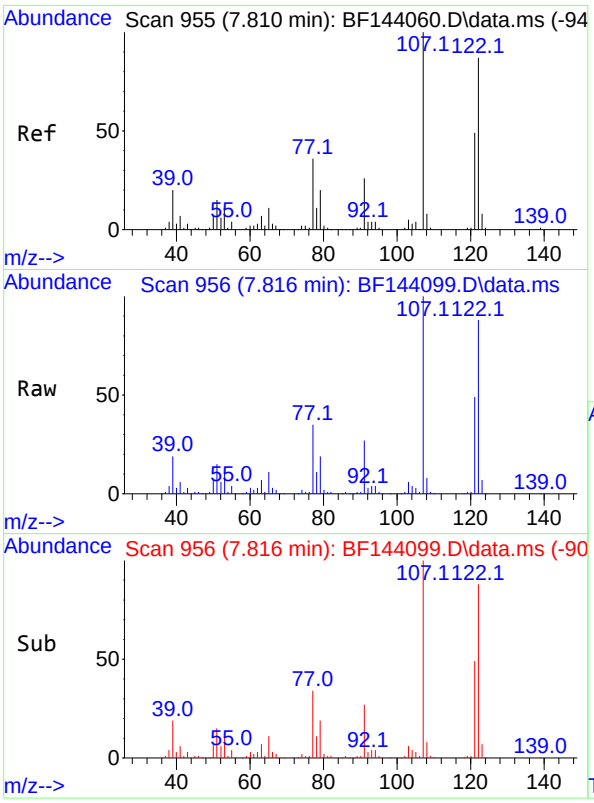


#26
2-Nitrophenol
Concen: 43.486 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:139 Resp: 125980

Ion	Ratio	Lower	Upper
139	100		
109	30.0	24.6	37.0
65	57.1	46.6	69.8

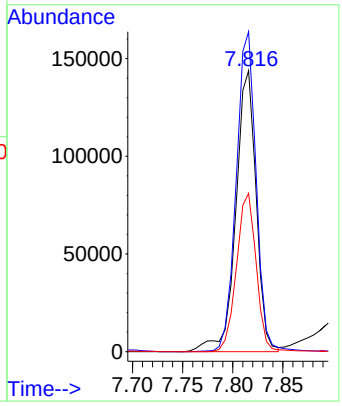




#27
2,4-Dimethylphenol
Concen: 47.303 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:122 Resp: 20364

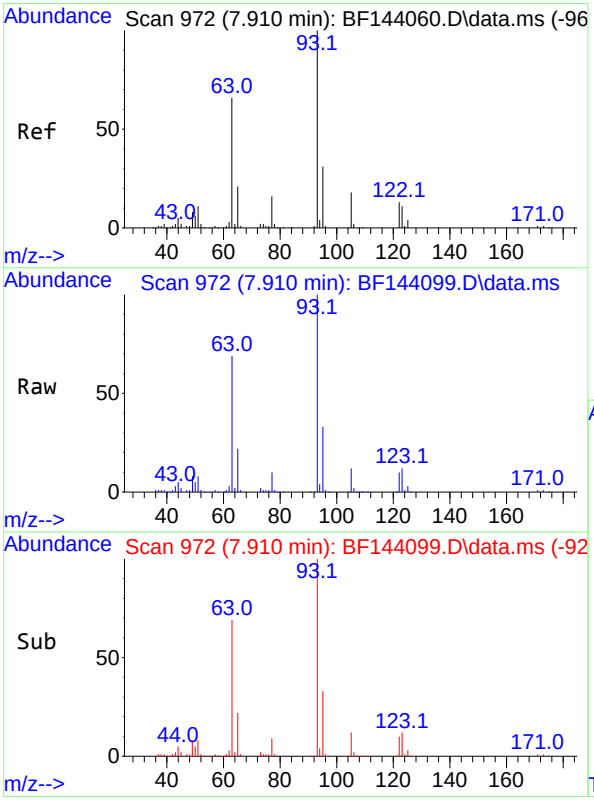
Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.8	137.8
121	56.3	45.2	67.8



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

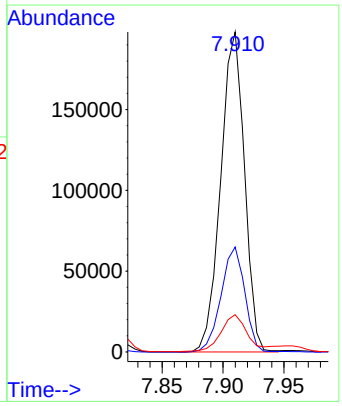
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

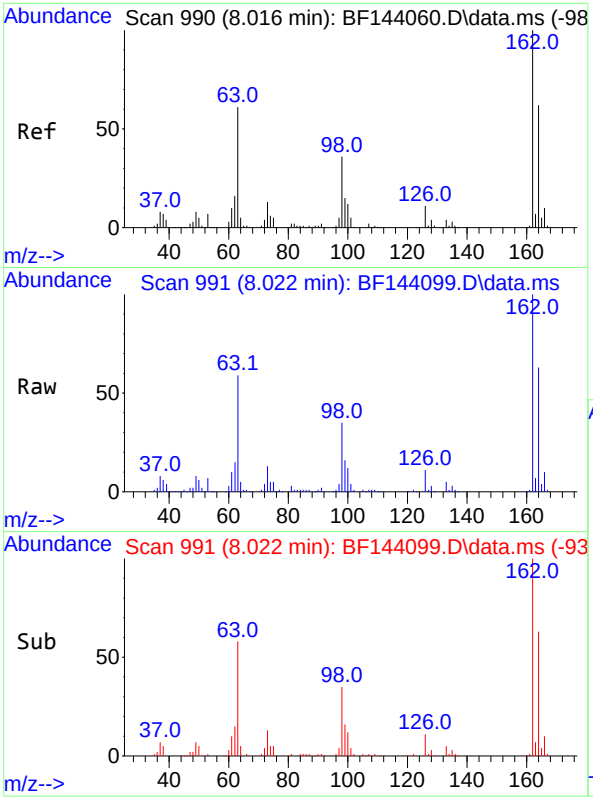


#28
bis(2-Chloroethoxy)methane
Concen: 42.825 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 93 Resp: 268793

Ion	Ratio	Lower	Upper
93	100		
95	32.8	24.6	36.8
123	11.6	9.1	13.7

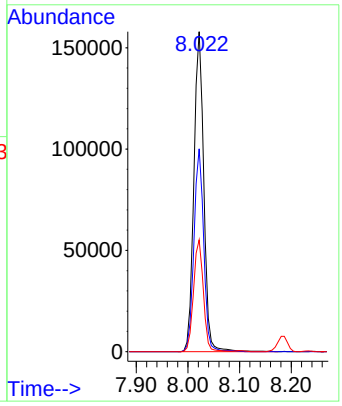




#29
2,4-Dichlorophenol
Concen: 41.917 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:162 Resp: 20986

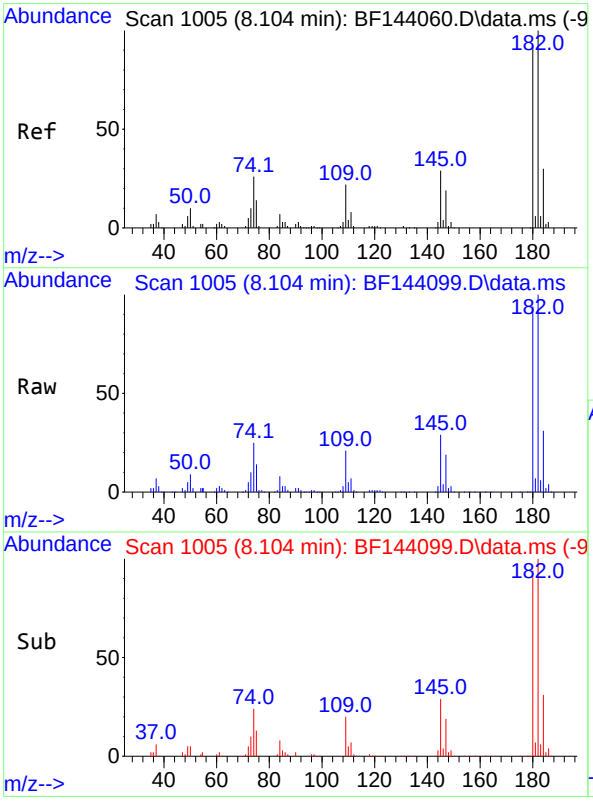
Ion	Ratio	Lower	Upper
162	100		
164	63.4	42.1	82.1
98	35.0	16.0	56.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

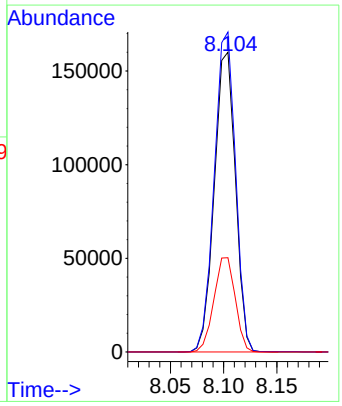
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

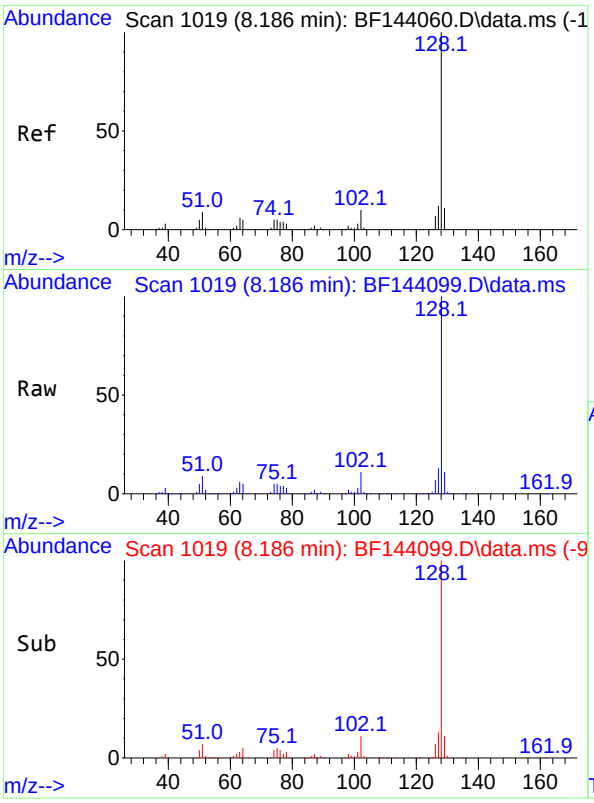


#30
1,2,4-Trichlorobenzene
Concen: 42.886 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:180 Resp: 220886

Ion	Ratio	Lower	Upper
180	100		
182	106.7	87.1	130.7
145	31.4	25.3	37.9

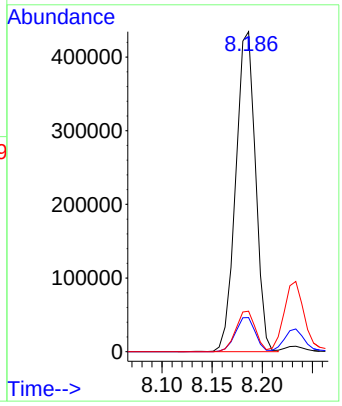




#31
Naphthalene
Concen: 40.020 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:128 Resp: 59572

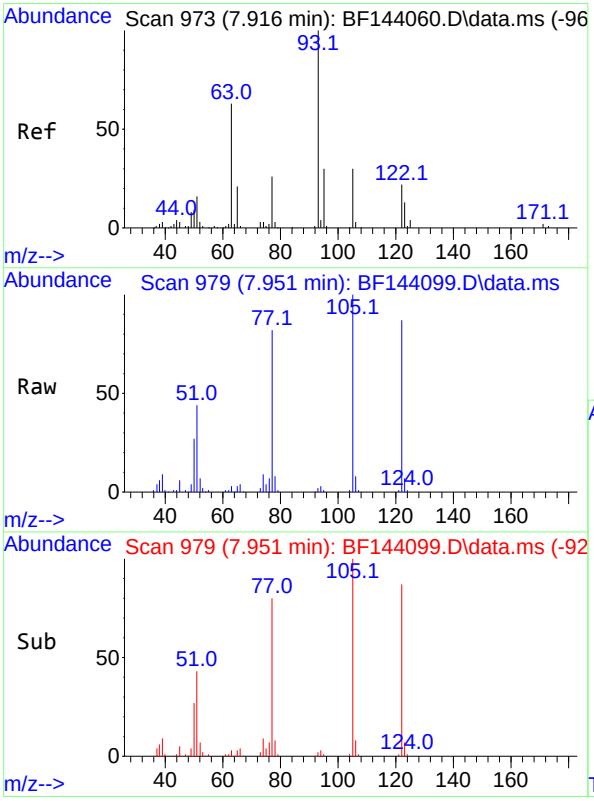
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	12.7	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

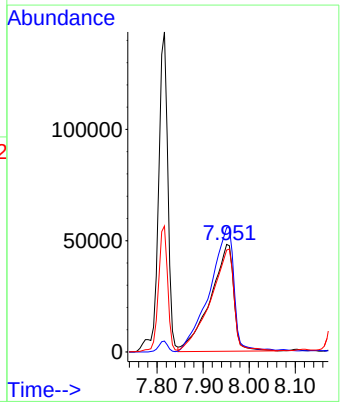
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

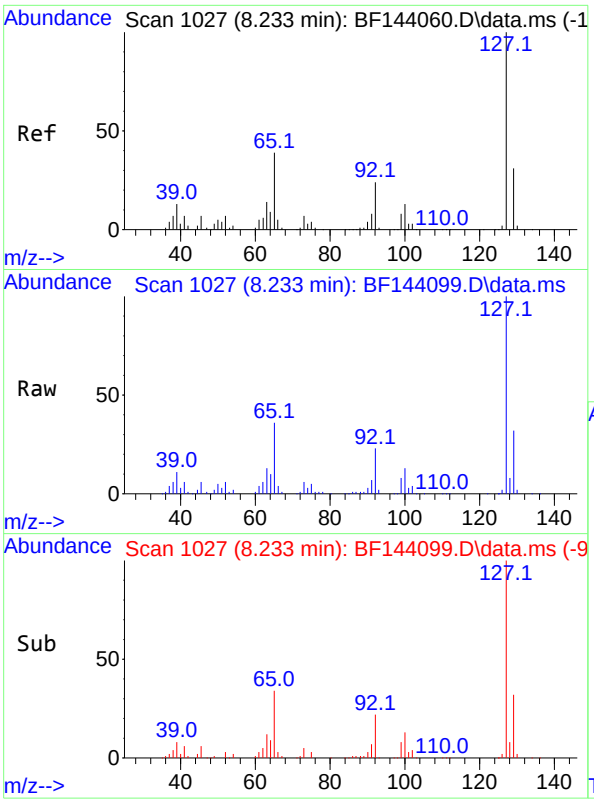


#32
Benzoic acid
Concen: 62.259 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.035 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:122 Resp: 170016

Ion	Ratio	Lower	Upper
122	100		
105	115.6	111.3	151.3
77	94.8	96.7	136.7#

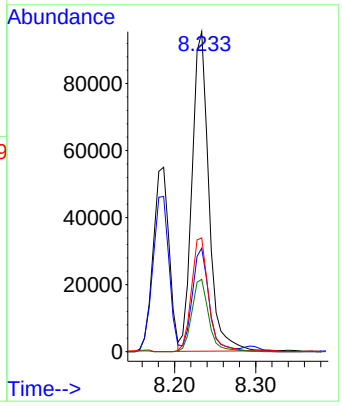




#33
4-Chloroaniline
Concen: 26.515 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:127 Resp: 13740

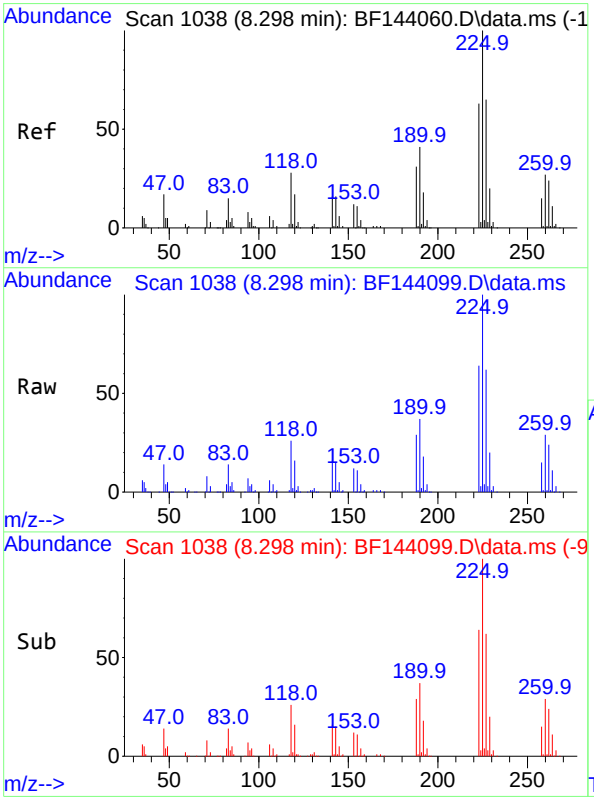
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.6	38.4
65	35.6	30.9	46.3
92	22.6	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

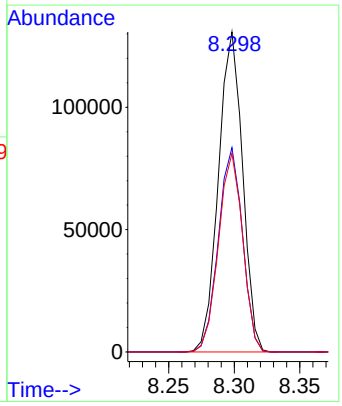
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

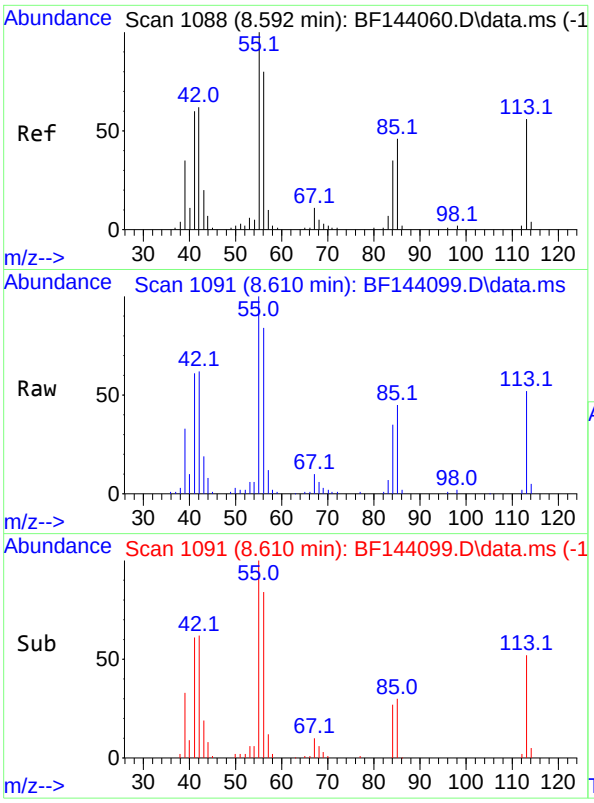


#34
Hexachlorobutadiene
Concen: 39.674 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:225 Resp: 167090

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	62.0	51.8	77.8

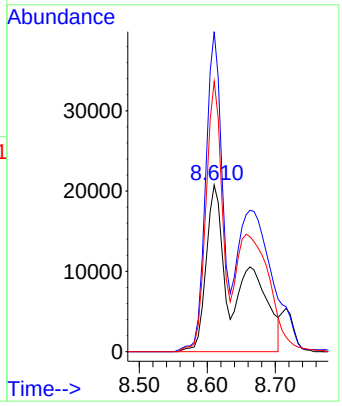




#35
Caprolactam
Concen: 53.222 ng m
RT: 8.610 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:113 Resp: 6681

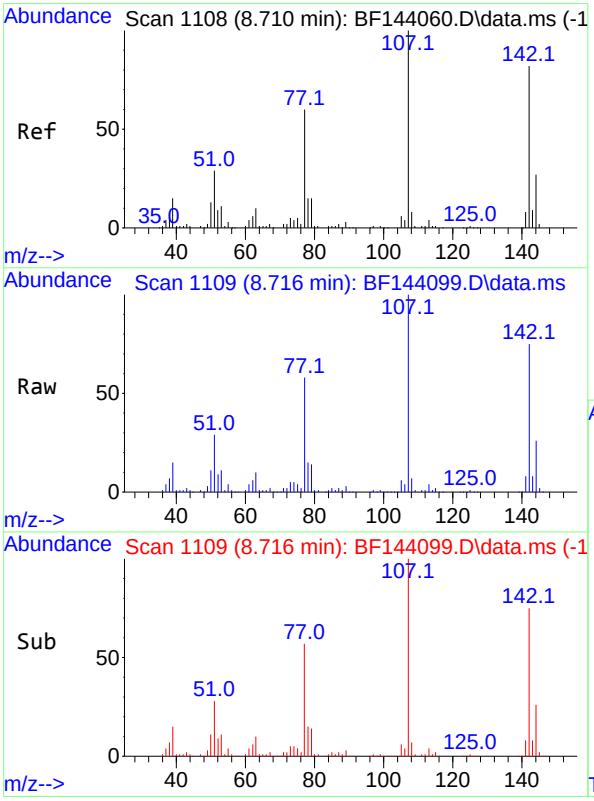
Ion	Ratio	Lower	Upper
113	100		
55	192.2	160.1	200.1
56	162.4	124.9	164.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

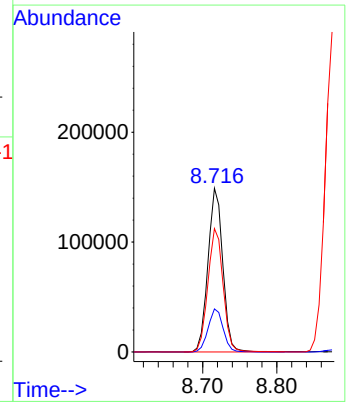
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

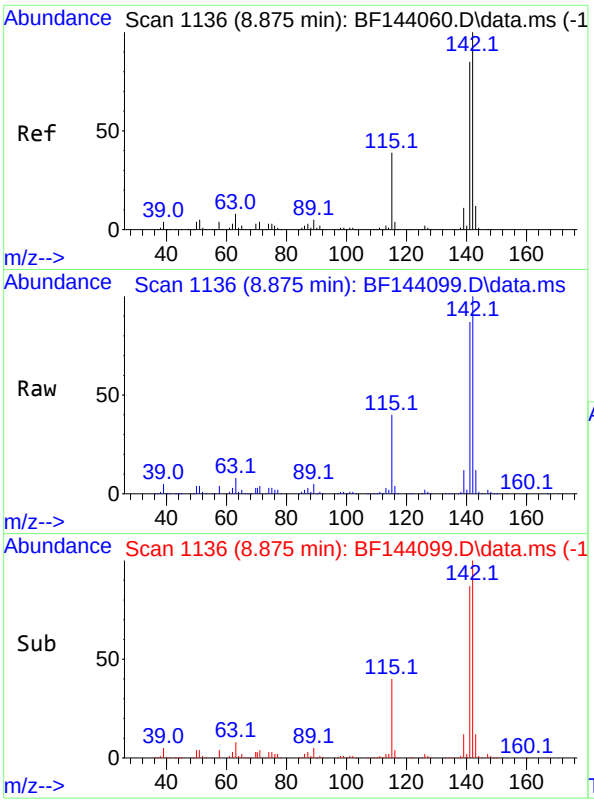


#36
4-Chloro-3-methylphenol
Concen: 46.898 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:107 Resp: 207200

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.6	32.4
142	75.4	65.4	98.0

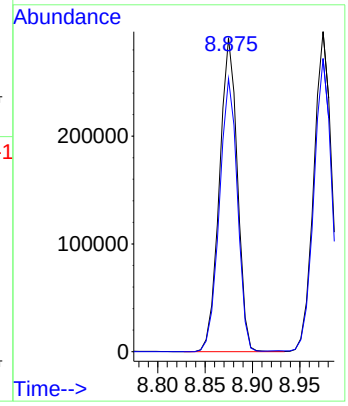




#37
2-Methylnaphthalene
Concen: 39.184 ng
RT: 8.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:142 Resp: 38456

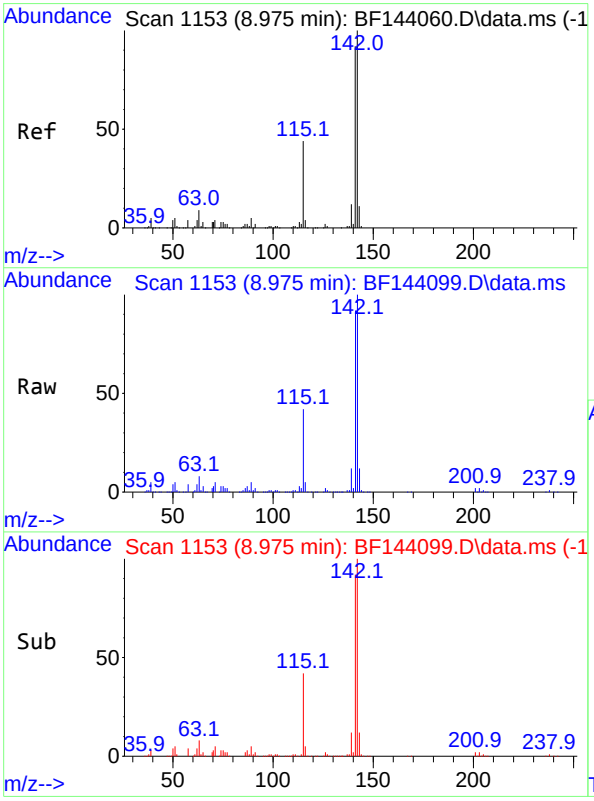
Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.6	101.4



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

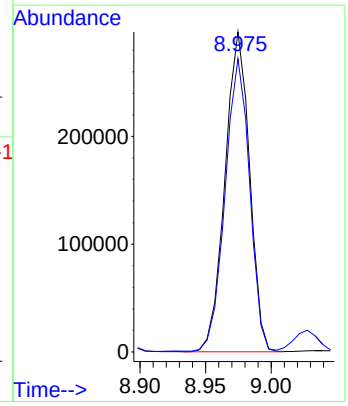
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

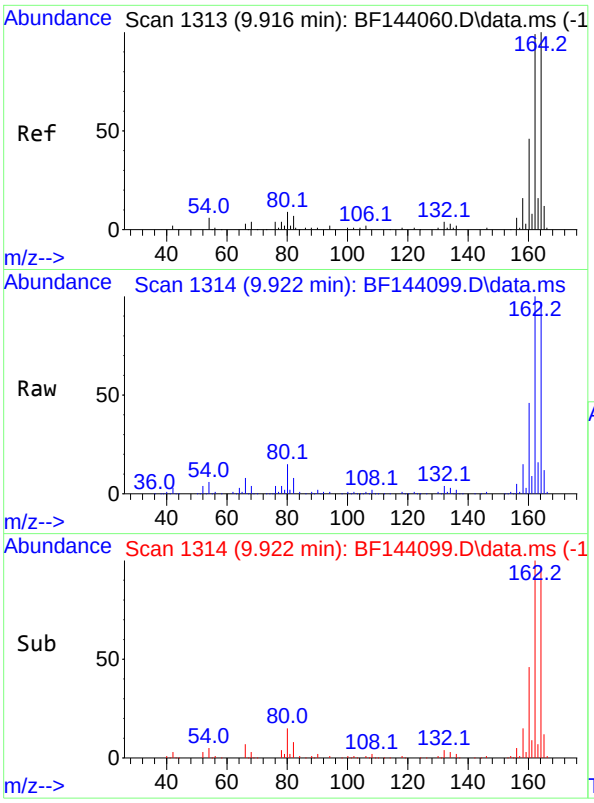


#38
1-Methylnaphthalene
Concen: 41.589 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:142 Resp: 386706

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.4	110.2

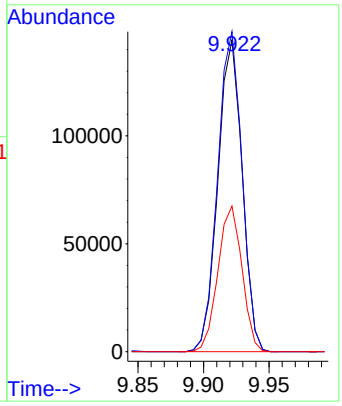




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:164 Resp: 18579

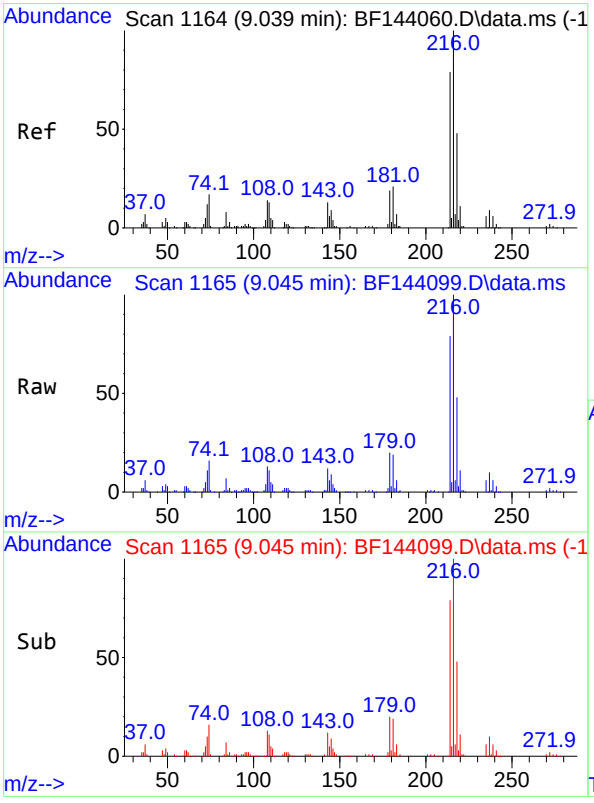
Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.4	119.2
160	46.8	36.7	55.1



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

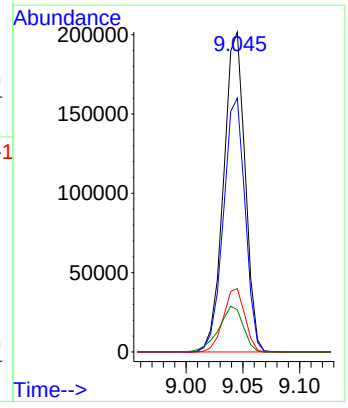
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

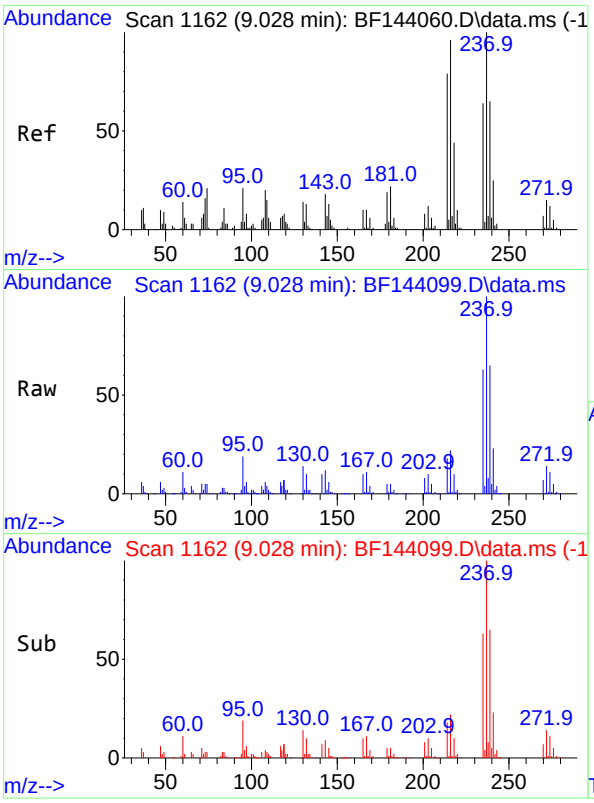


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.586 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:216 Resp: 265538

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.2	94.8
179	19.8	15.2	22.8
108	16.3	11.9	17.9

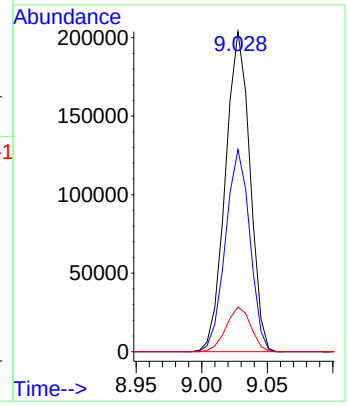




#41
Hexachlorocyclopentadiene
Concen: 134.365 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:237 Resp: 26499

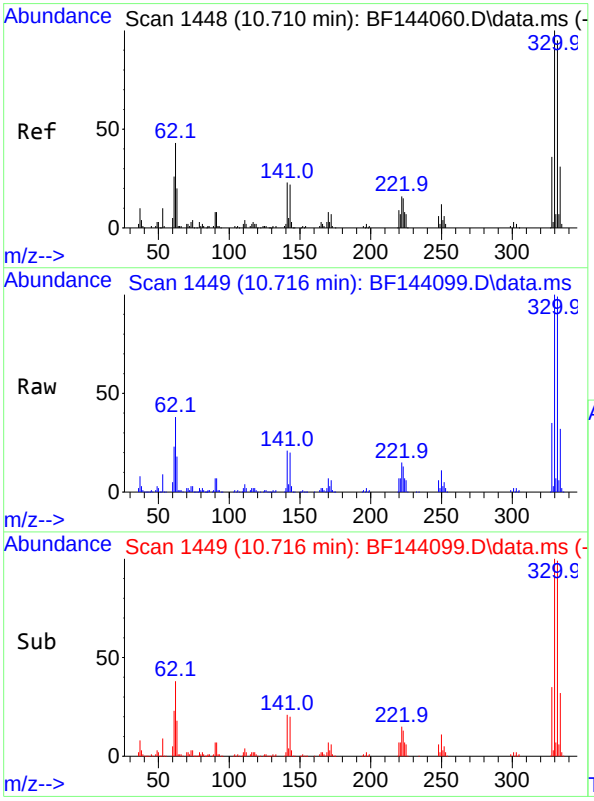
Ion	Ratio	Lower	Upper
237	100		
235	63.1	44.3	84.3
272	14.0	0.0	35.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

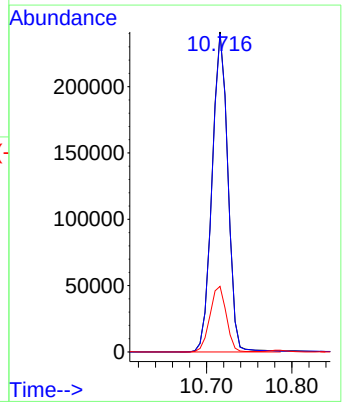
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

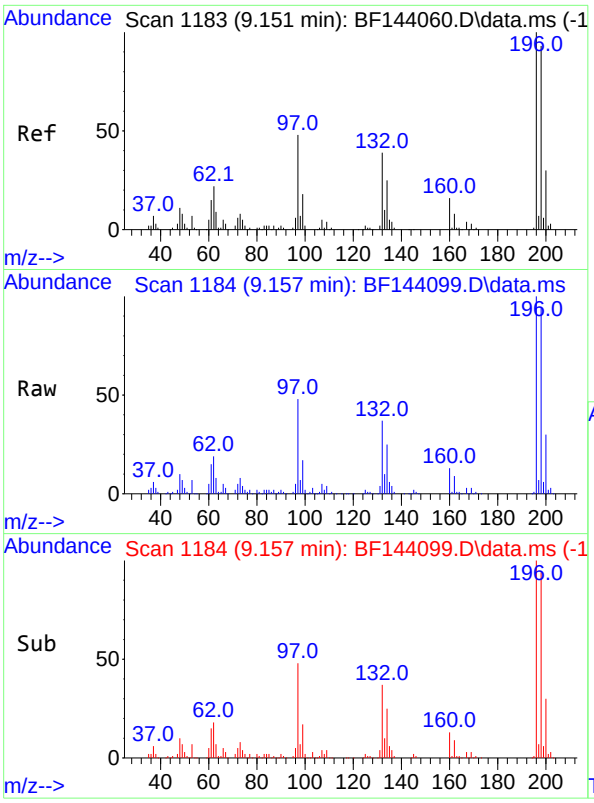


#42
2,4,6-Tribromophenol
Concen: 131.446 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:330 Resp: 311085

Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.0	115.6
141	21.2	19.4	29.0

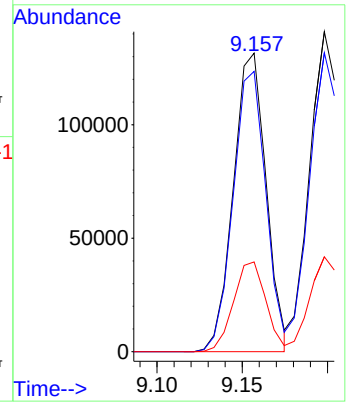




#43
2,4,6-Trichlorophenol
Concen: 42.408 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:196 Resp: 17601

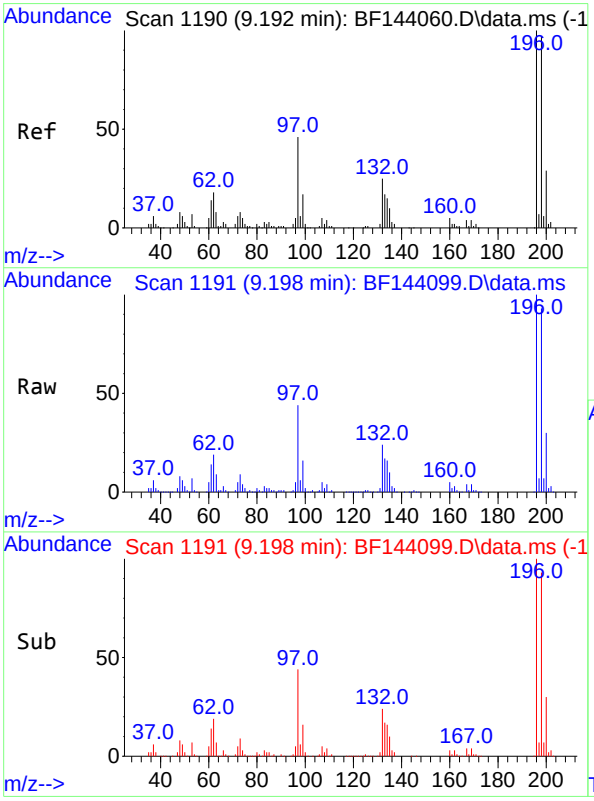
Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.4	111.6
200	30.1	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

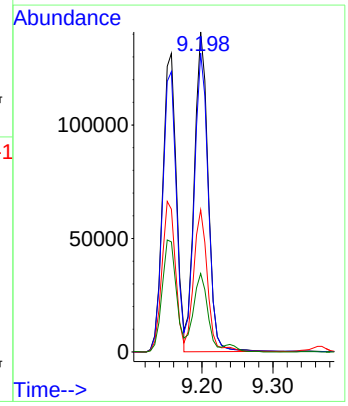
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

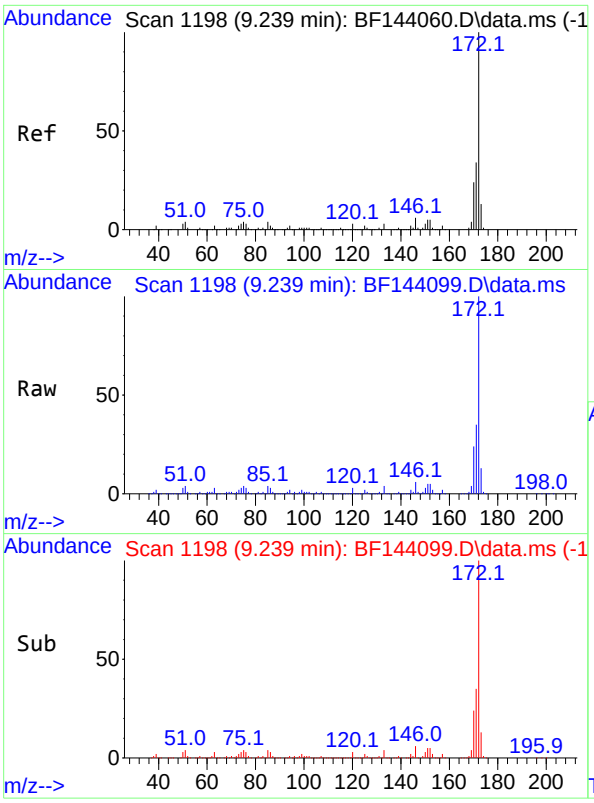


#44
2,4,5-Trichlorophenol
Concen: 43.485 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:196 Resp: 189414

Ion	Ratio	Lower	Upper
196	100		
198	93.4	78.0	117.0
97	44.4	37.7	56.5
132	24.5	20.2	30.4

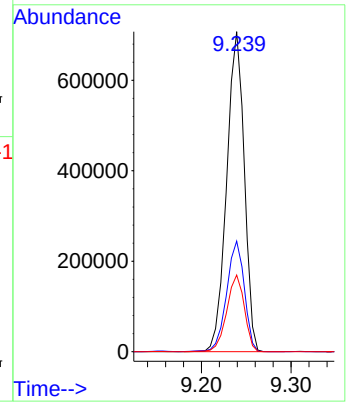




#45
2-Fluorobiphenyl
Concen: 72.915 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:172 Resp: 96268

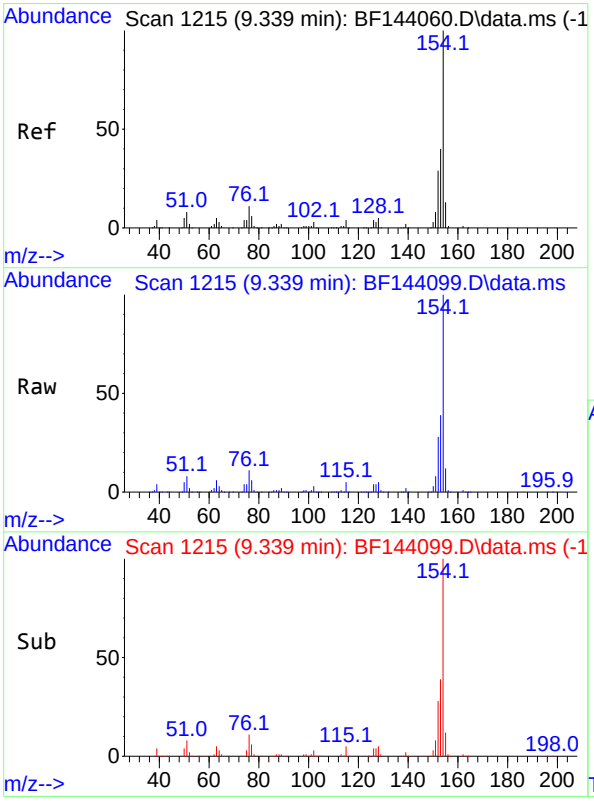
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations APPROVED

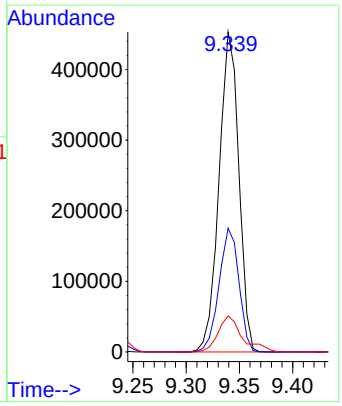
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

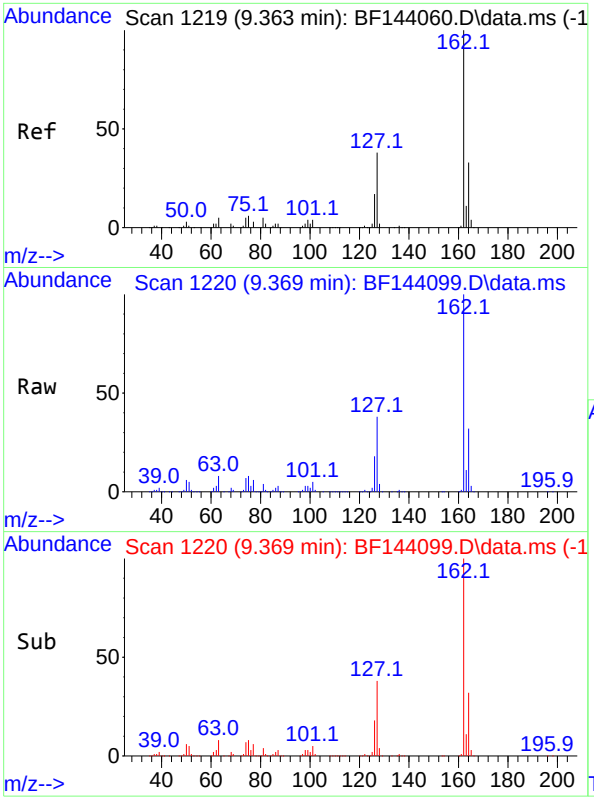


#46
1,1'-Biphenyl
Concen: 43.889 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:154 Resp: 583723

Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.7	59.7
76	11.3	0.0	31.1

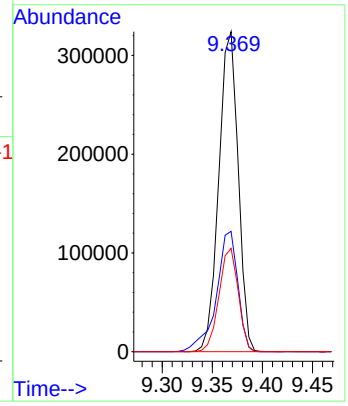




#47
2-Chloronaphthalene
Concen: 39.074 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:162 Resp: 43537

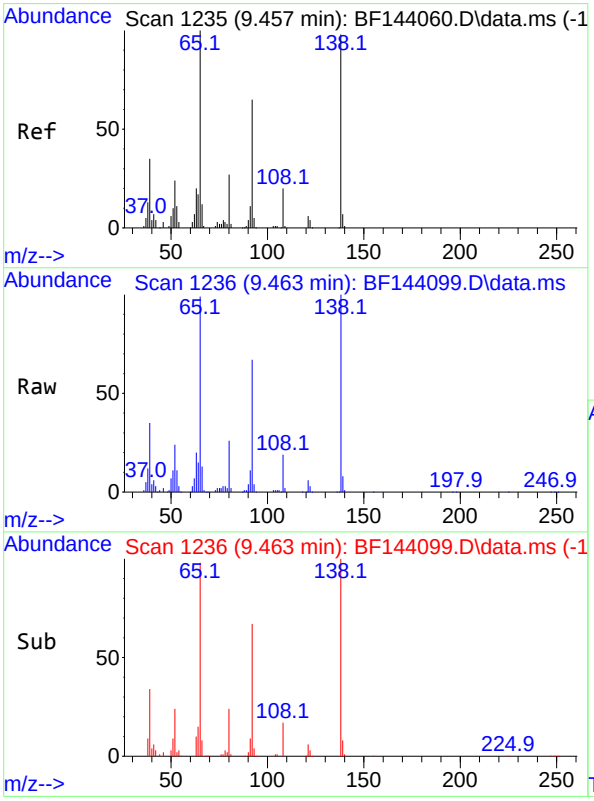
Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.6	47.4
164	32.3	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

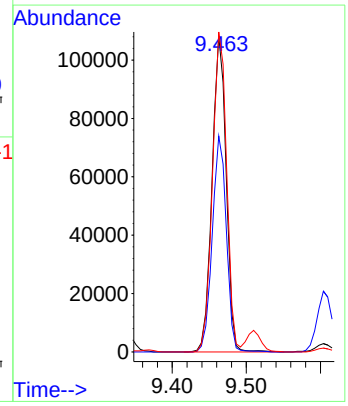
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

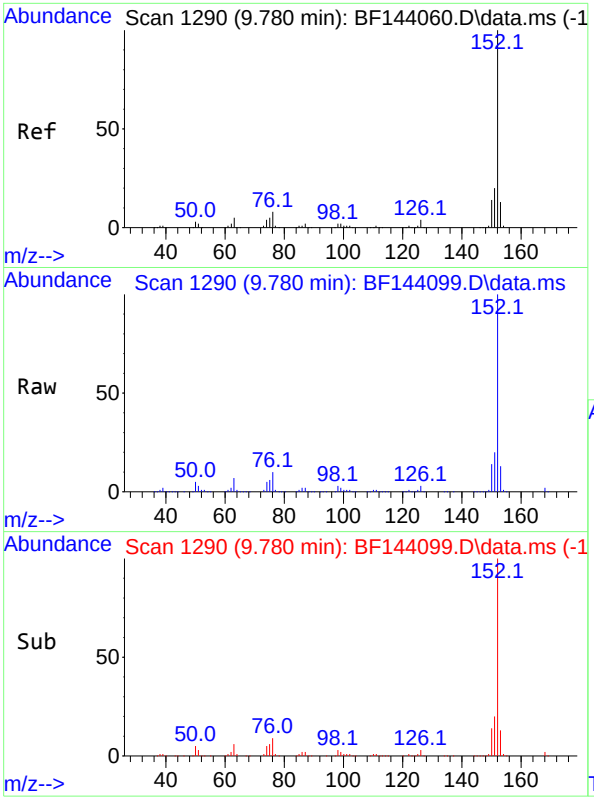


#48
2-Nitroaniline
Concen: 43.328 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion: 65 Resp: 143358

Ion	Ratio	Lower	Upper
65	100		
92	68.3	52.3	78.5
138	101.2	78.3	117.5

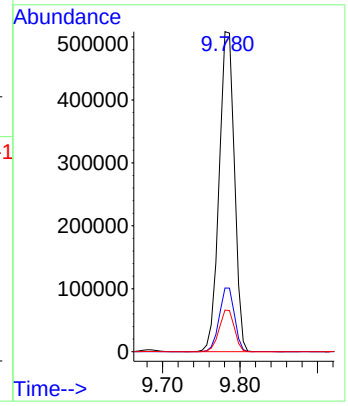




#49
Acenaphthylene
Concen: 46.405 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:152 Resp: 69718

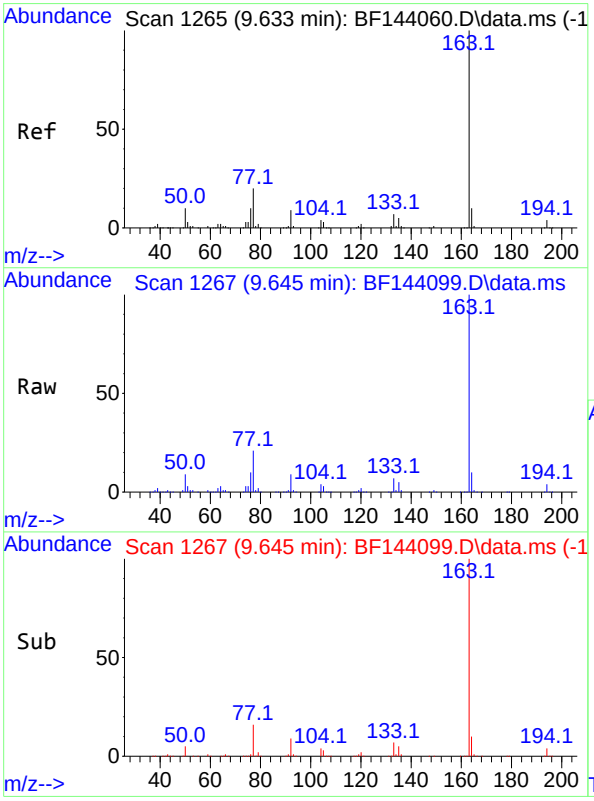
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

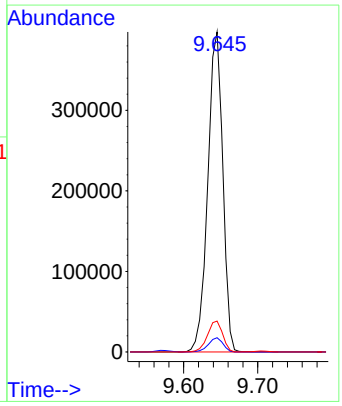
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

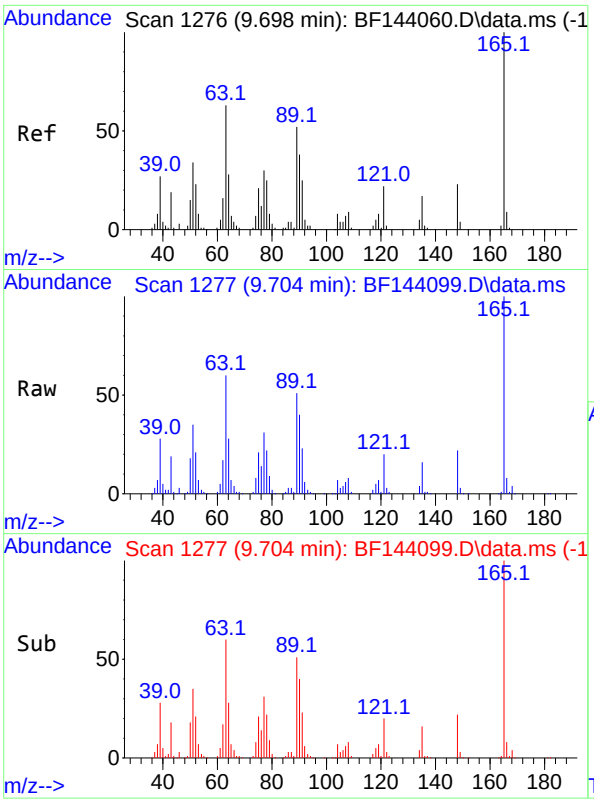


#50
Dimethylphthalate
Concen: 45.845 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.012 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:163 Resp: 558313

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.7	7.8	11.8

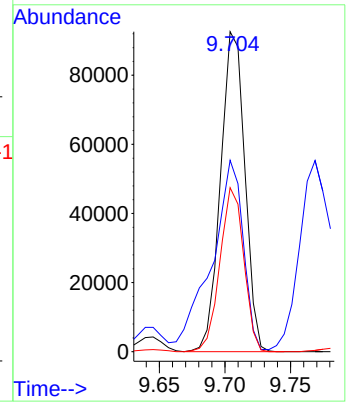




#51
2,6-Dinitrotoluene
Concen: 49.529 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:165 Resp: 11924

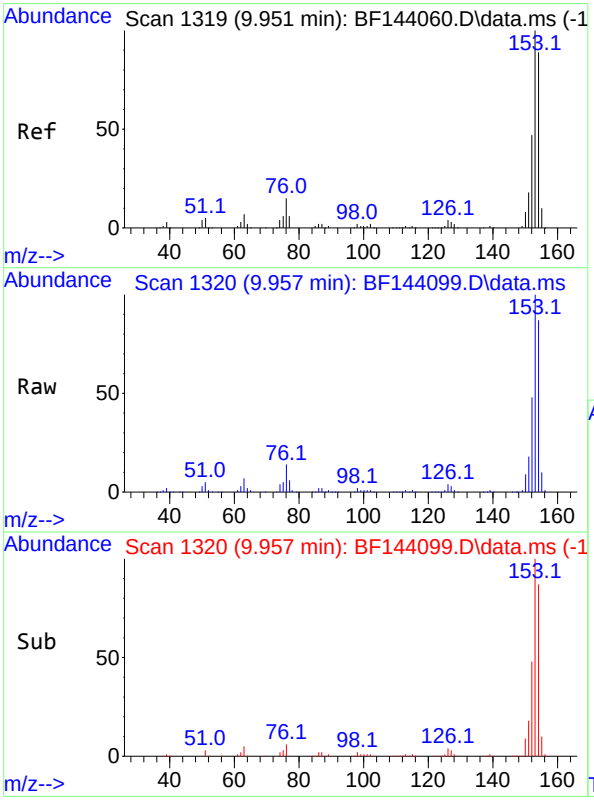
Ion	Ratio	Lower	Upper
165	100		
63	59.8	50.4	75.6
89	51.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

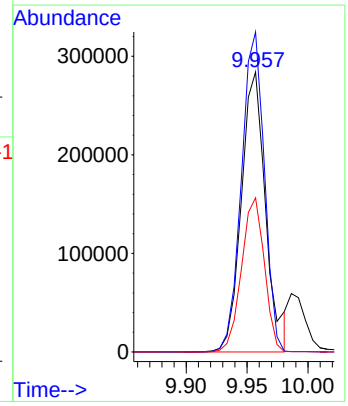
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

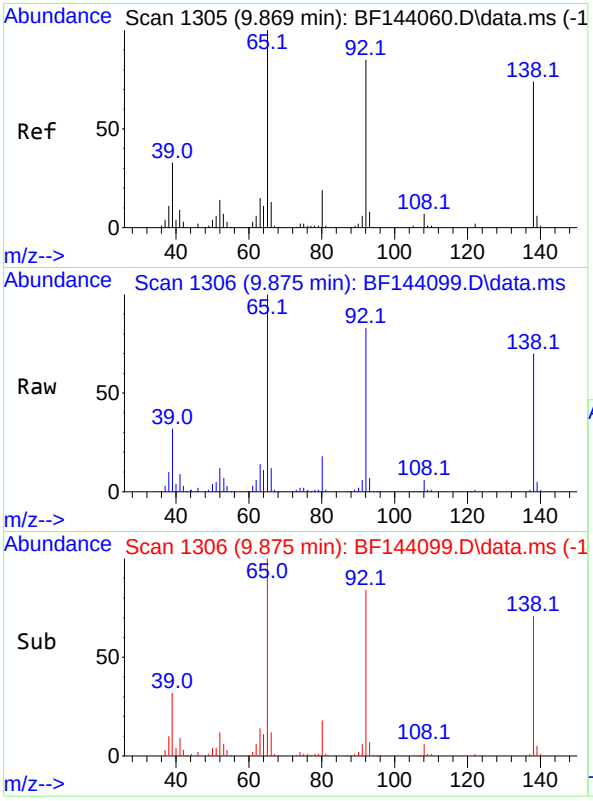


#52
Acenaphthene
Concen: 39.395 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:154 Resp: 395278

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.9	134.9
152	55.0	42.0	63.0

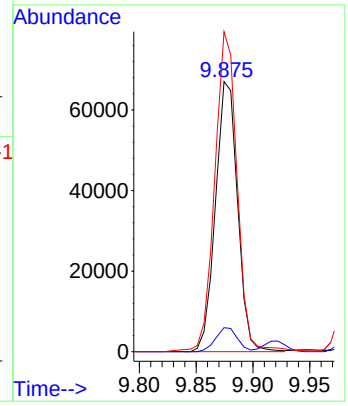




#53
3-Nitroaniline
Concen: 33.946 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:138 Resp: 9086

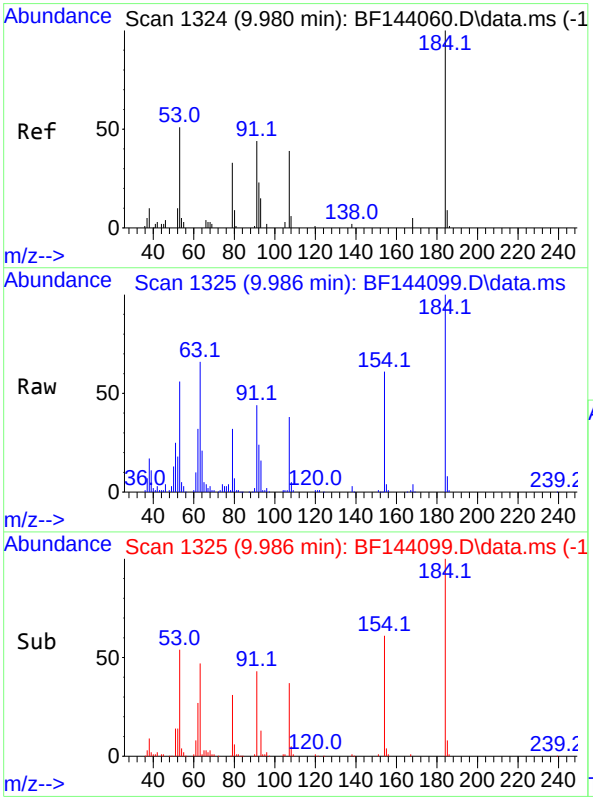
Ion	Ratio	Lower	Upper
138	100		
108	8.9	7.9	11.9
92	118.5	92.0	138.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

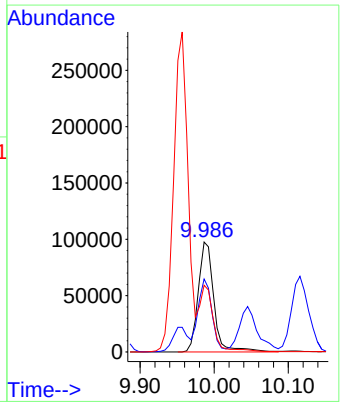
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

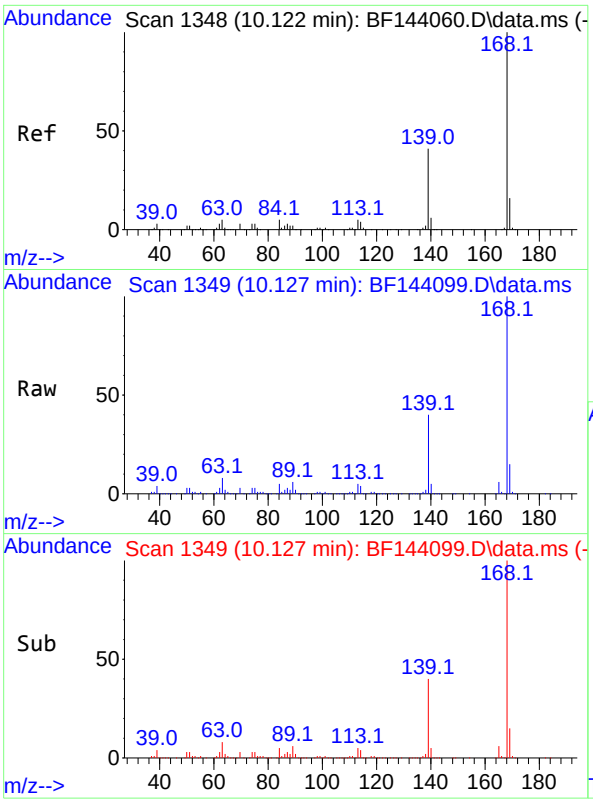


#54
2,4-Dinitrophenol
Concen: 110.009 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:184 Resp: 143249

Ion	Ratio	Lower	Upper
184	100		
63	66.4	52.1	78.1
154	60.7	47.9	71.9

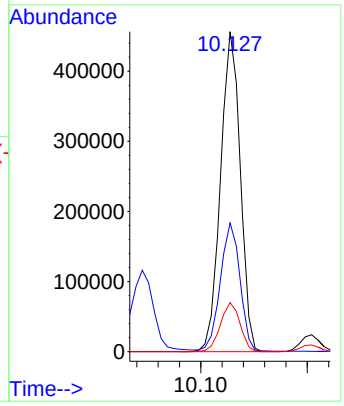




#55
Dibenzofuran
Concen: 41.981 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:168 Resp: 58477

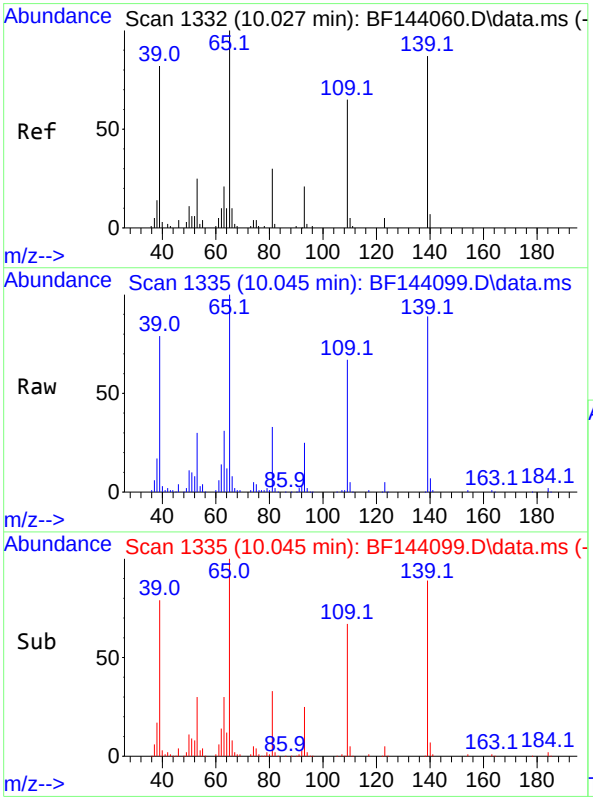
Ion	Ratio	Lower	Upper
168	100		
139	40.3	33.2	49.8
169	15.3	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

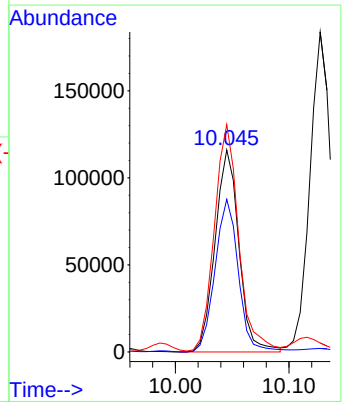
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

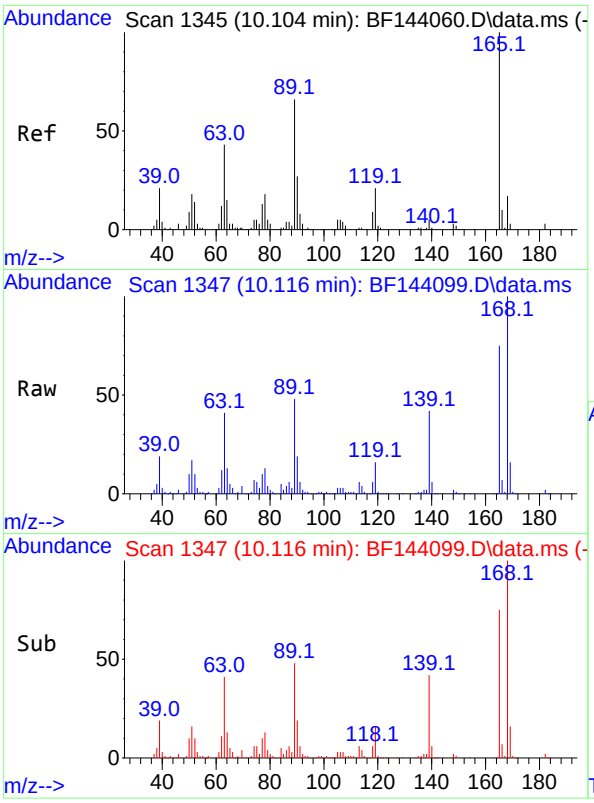


#56
4-Nitrophenol
Concen: 93.457 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.018 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:139 Resp: 169400

Ion	Ratio	Lower	Upper
139	100		
109	75.6	53.8	93.8
65	112.5	95.9	135.9

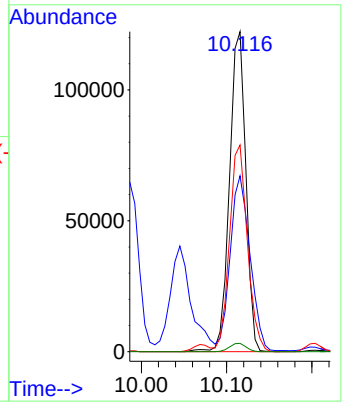




#57
2,4-Dinitrotoluene
Concen: 49.963 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:165 Resp: 16234

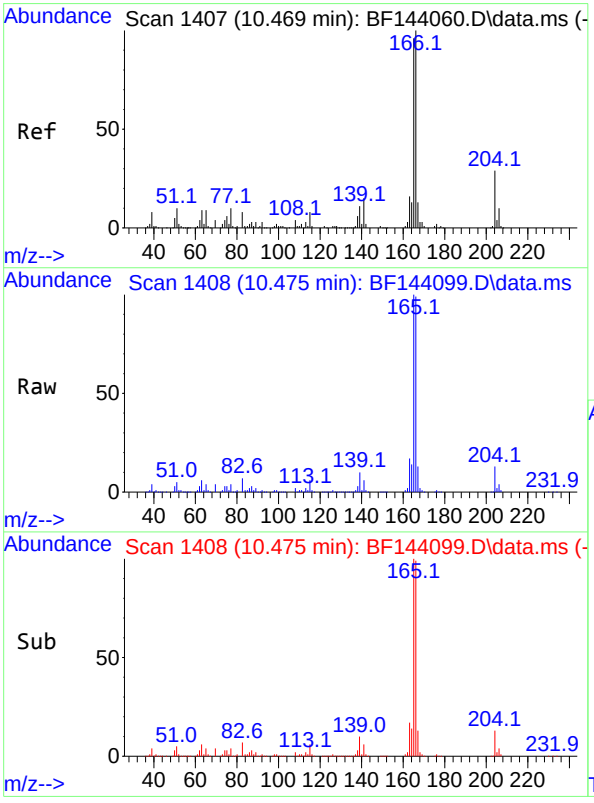
Ion	Ratio	Lower	Upper
165	100		
63	54.9	35.4	53.2
89	64.6	52.7	79.1
182	2.6	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations APPROVED

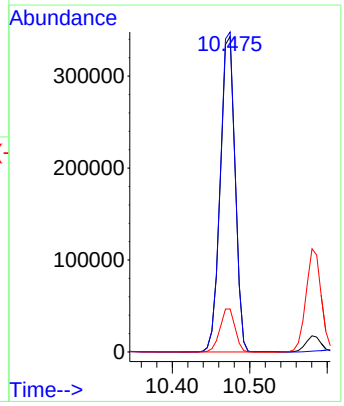
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

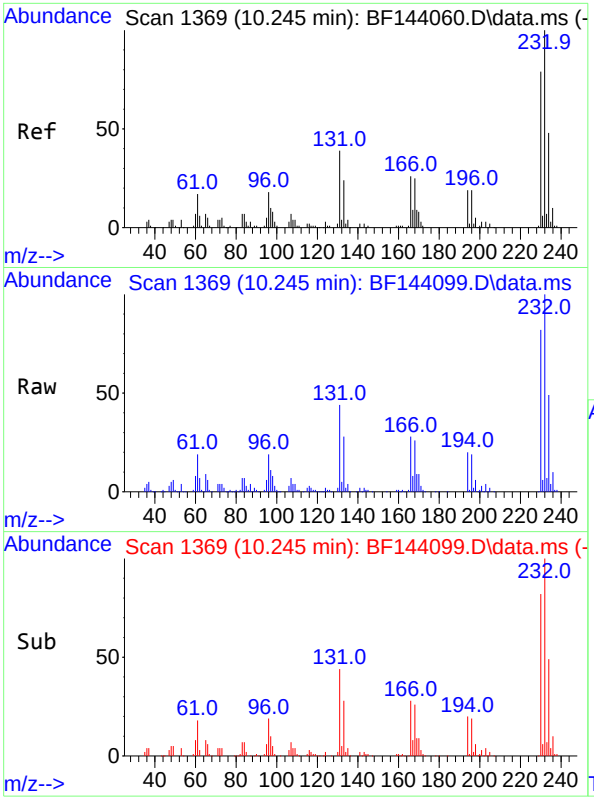


#58
Fluorene
Concen: 42.980 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:166 Resp: 456168

Ion	Ratio	Lower	Upper
166	100		
165	101.4	77.0	115.4
167	13.6	10.2	15.4

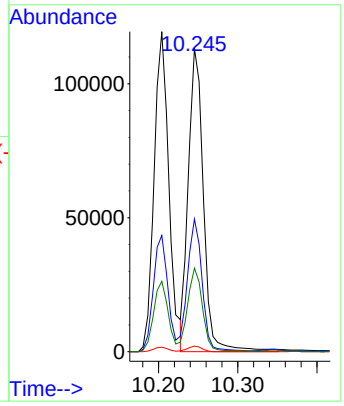




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.223 ng m
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:232 Resp: 15109

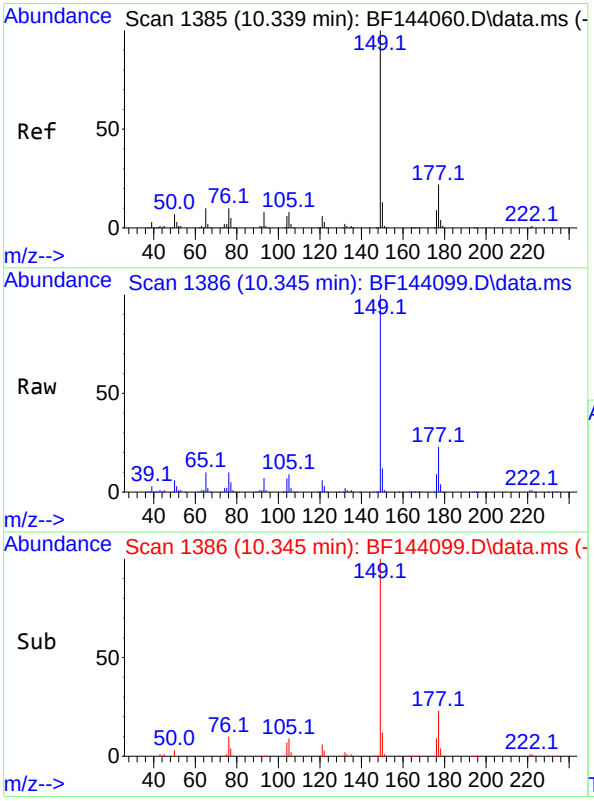
Ion	Ratio	Lower	Upper
232	100		
131	36.4	31.9	47.9
130	1.4	1.1	1.7
166	22.2	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

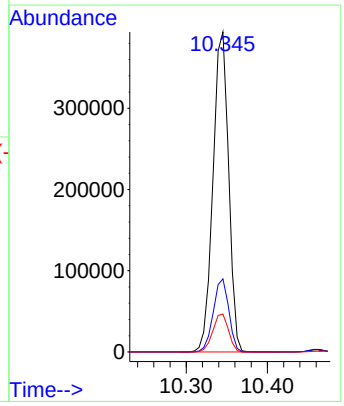
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

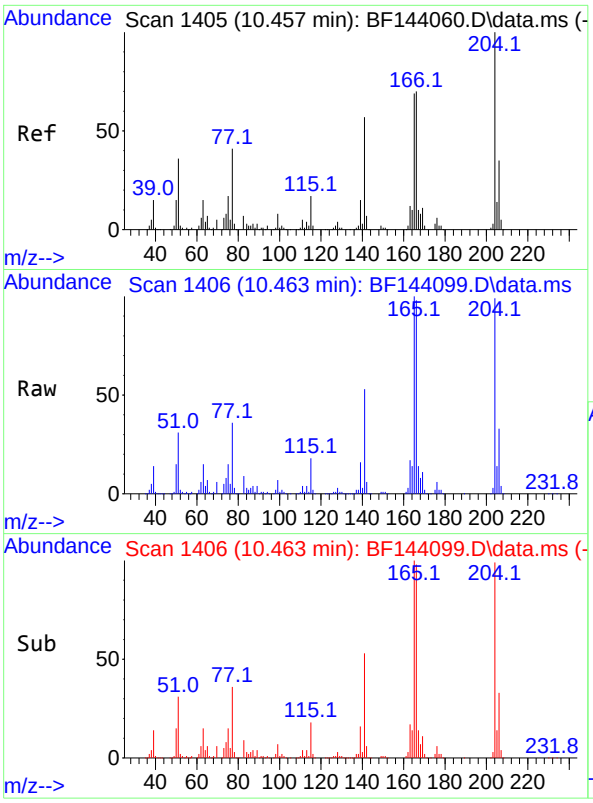


#60
Diethylphthalate
Concen: 45.888 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:149 Resp: 525544

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.8	26.6
150	11.9	10.1	15.1

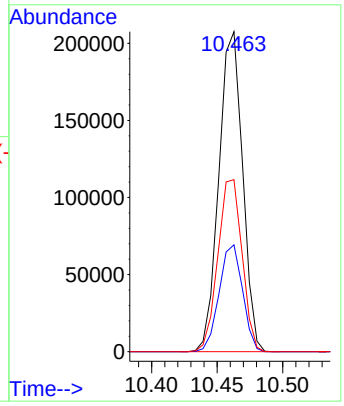




#61
4-Chlorophenyl-phenylether
Concen: 43.700 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:204 Resp: 26083

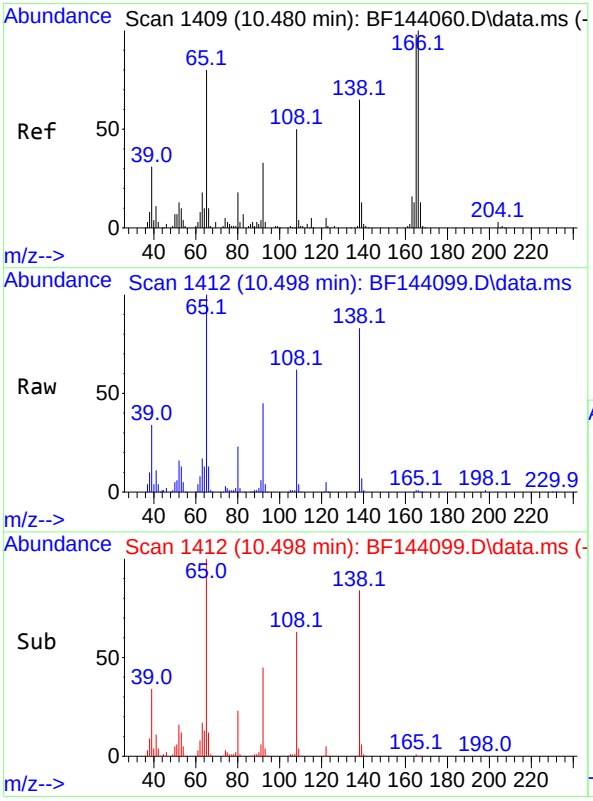
Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.8	41.6
141	53.7	45.4	68.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

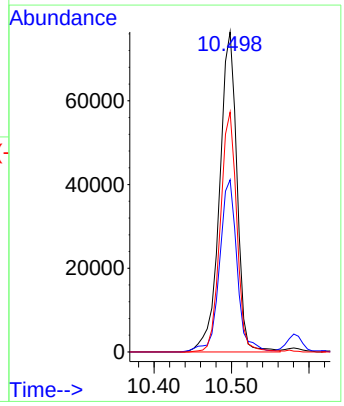
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

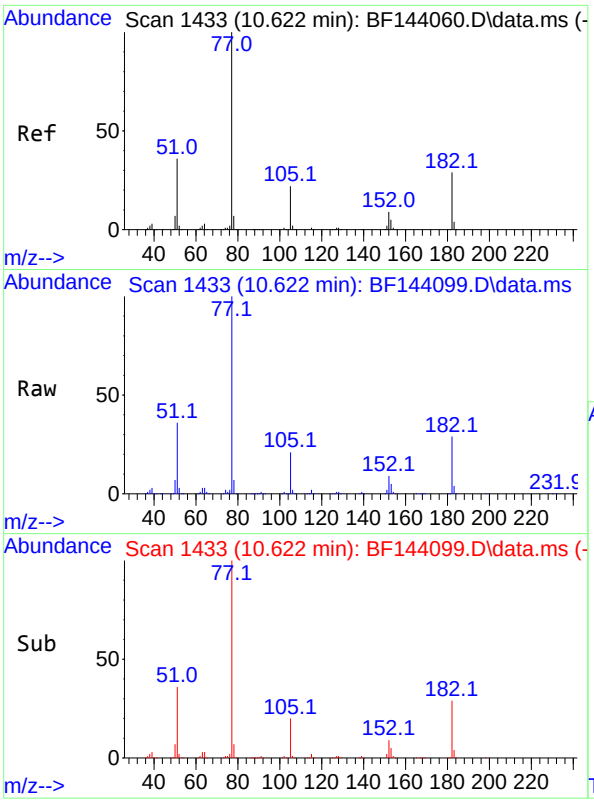


#62
4-Nitroaniline
Concen: 47.080 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.018 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:138 Resp: 119406

Ion	Ratio	Lower	Upper
138	100		
92	53.8	30.5	70.5
108	74.9	56.2	96.2

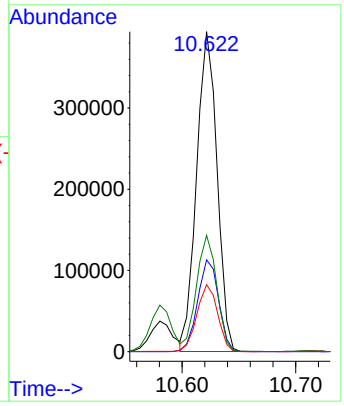




#63
Azobenzene
Concen: 45.313 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

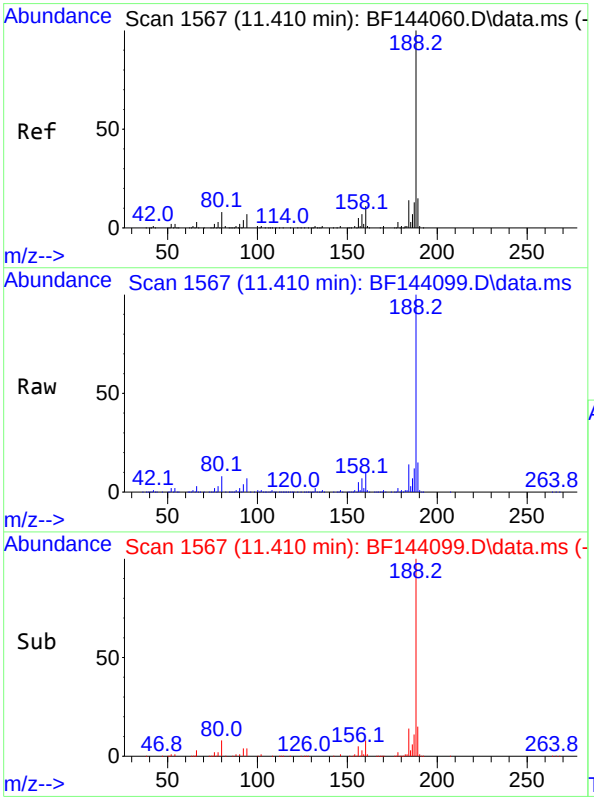
Tgt Ion: 77 Resp: 49119

Ion	Ratio	Lower	Upper
77	100		
182	28.7	9.0	49.0
105	20.9	1.4	41.4
51	36.3	16.9	56.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

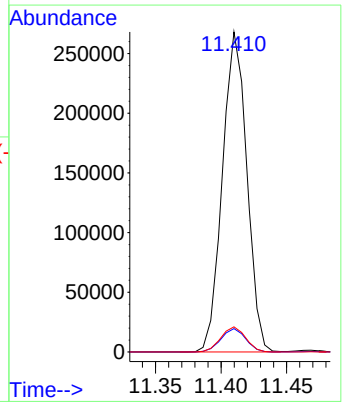
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

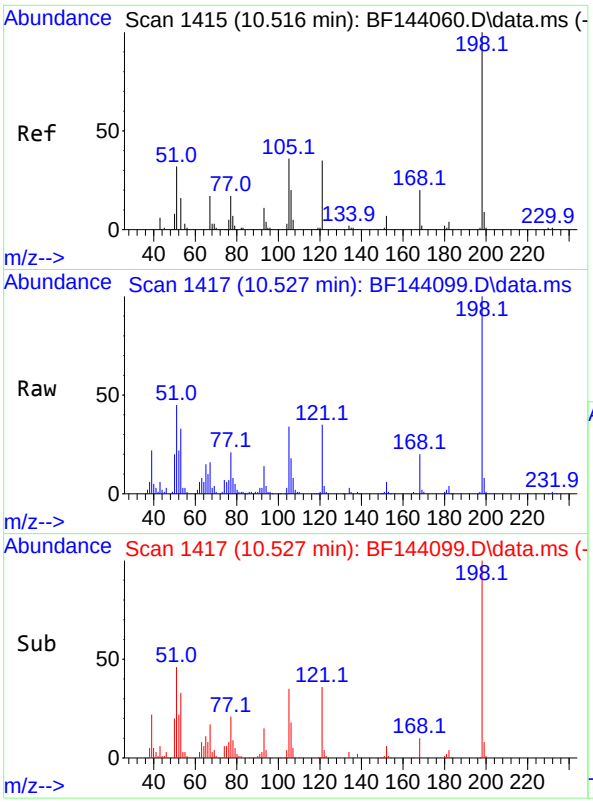


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:188 Resp: 347429

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.4	8.0
80	7.9	6.0	9.0

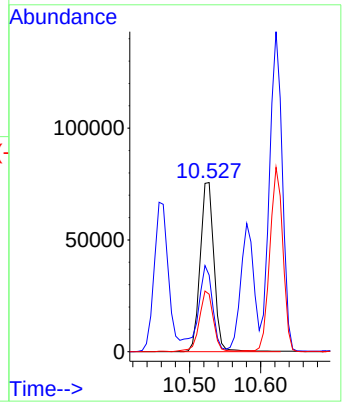




#65
4,6-Dinitro-2-methylphenol
Concen: 46.053 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:198 Resp: 10265

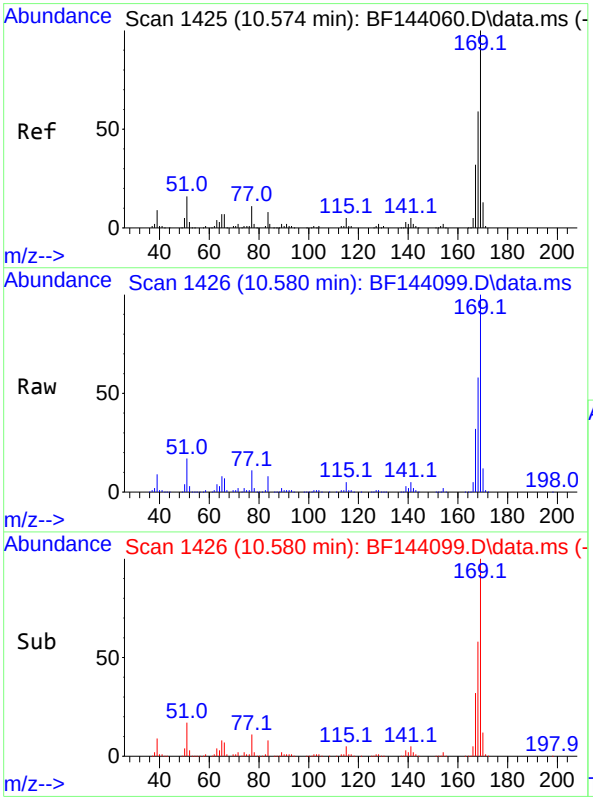
Ion	Ratio	Lower	Upper
198	100		
51	45.2	25.8	65.8
105	33.9	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

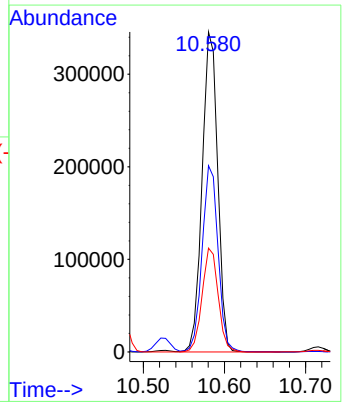
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

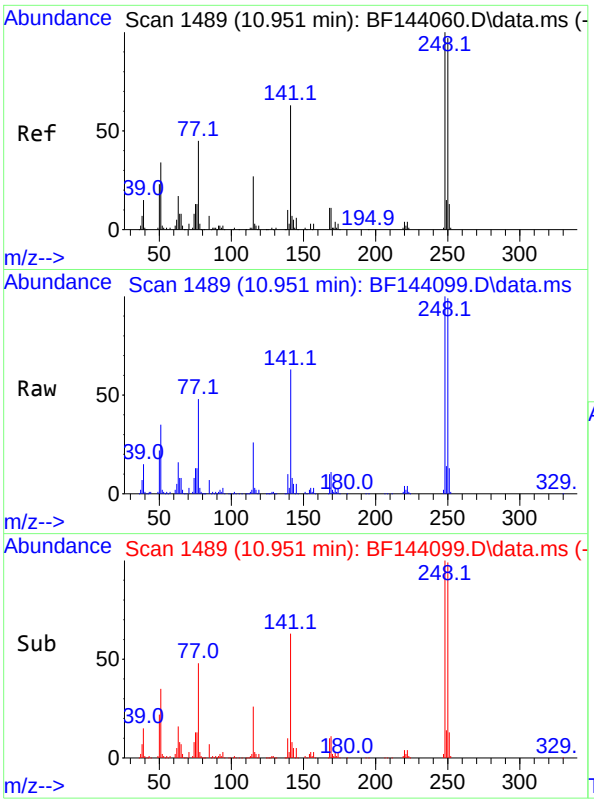


#66
n-Nitrosodiphenylamine
Concen: 41.445 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:169 Resp: 460065

Ion	Ratio	Lower	Upper
169	100		
168	58.2	47.4	71.2
167	32.5	25.5	38.3





#67
4-Bromophenyl-phenylether
Concen: 41.984 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

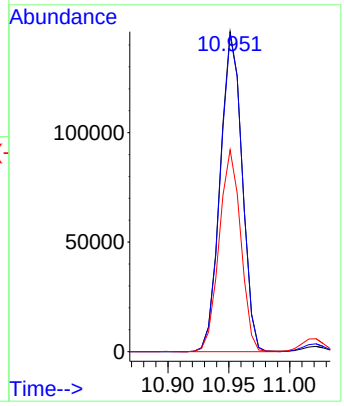
Tgt Ion:248 Resp: 18263

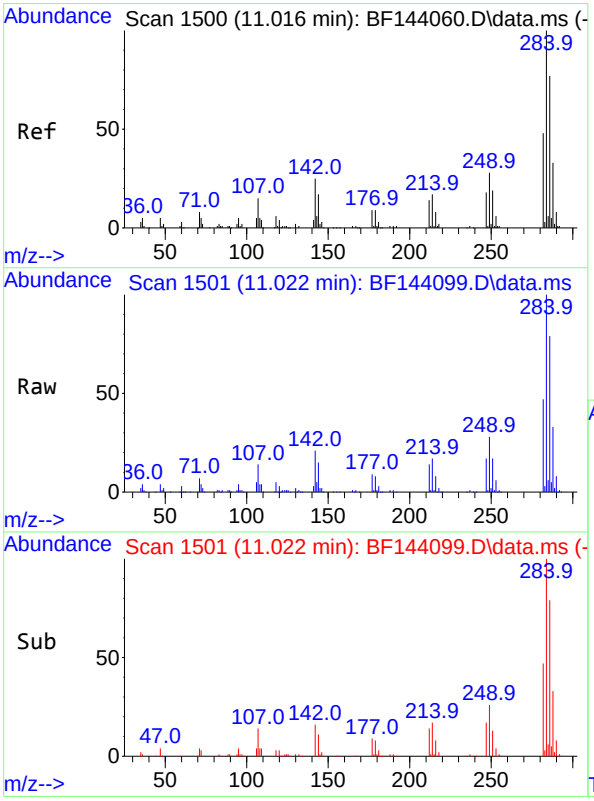
Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.8	116.6
141	63.1	50.5	75.7

Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

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

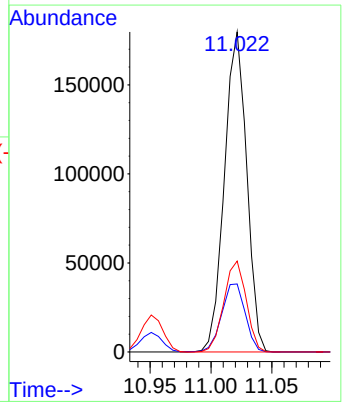


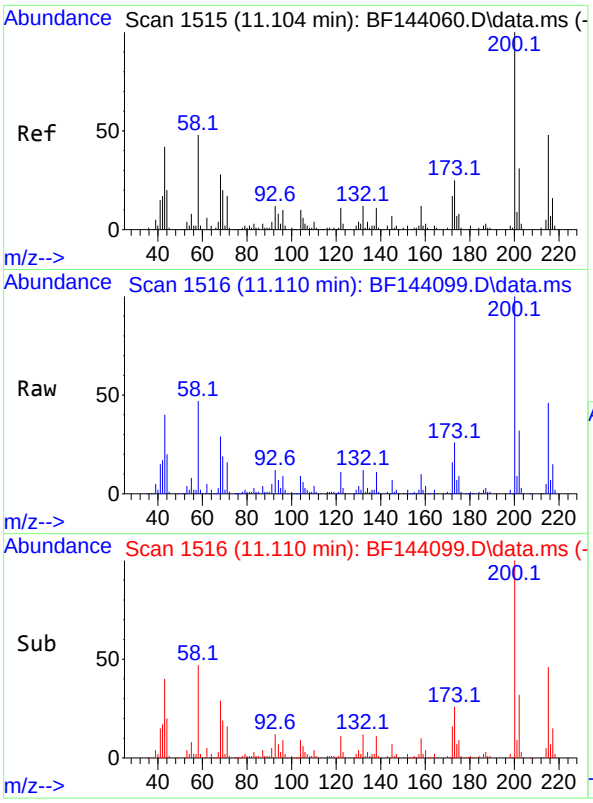


#68
Hexachlorobenzene
Concen: 42.918 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:284 Resp: 228963

Ion	Ratio	Lower	Upper
284	100		
142	21.3	20.0	30.0
249	28.4	22.2	33.2

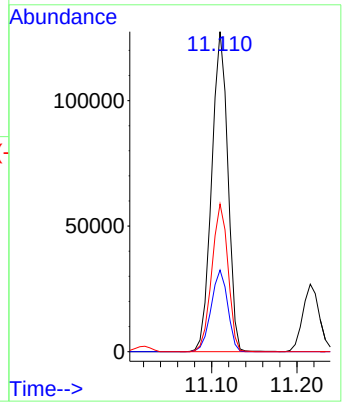




#69
Atrazine
Concen: 46.134 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:200 Resp: 16804

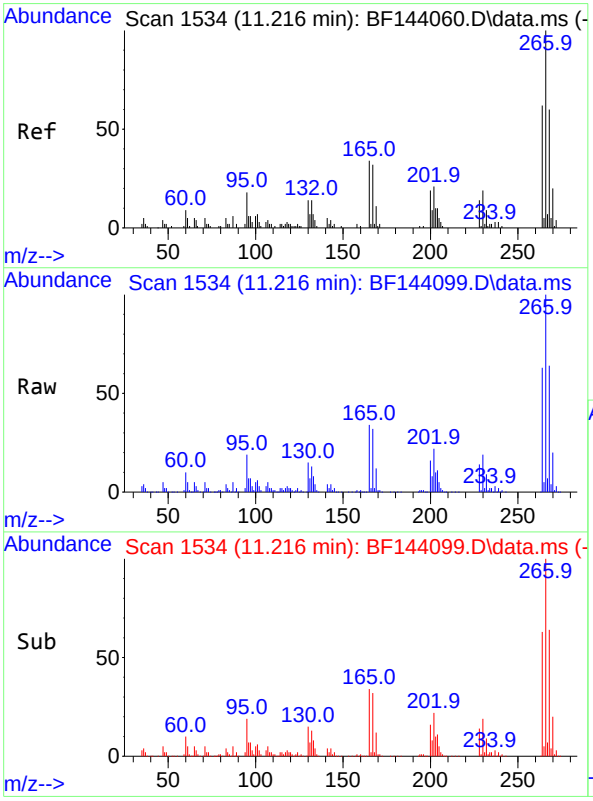
Ion	Ratio	Lower	Upper
200	100		
173	25.5	4.9	44.9
215	46.2	28.2	68.2



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

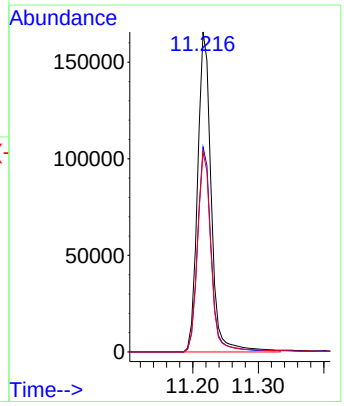
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

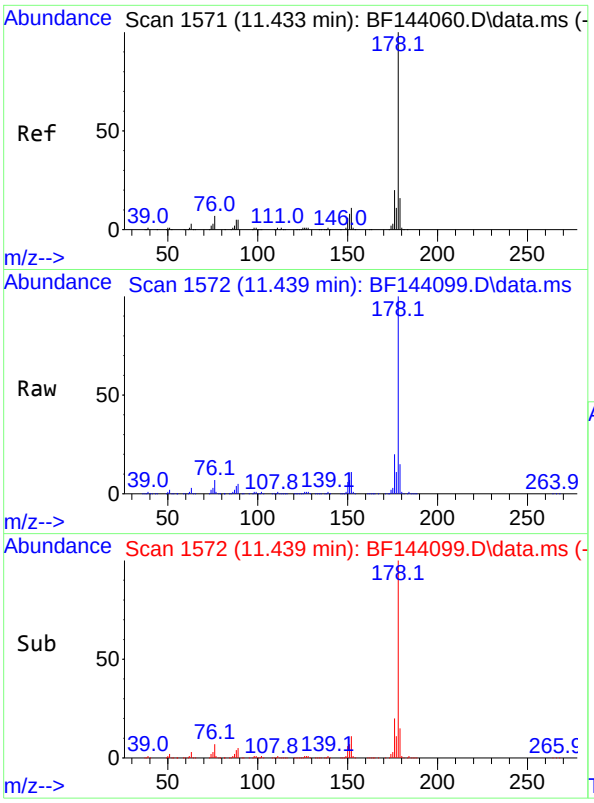


#70
Pentachlorophenol
Concen: 94.237 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:266 Resp: 239310

Ion	Ratio	Lower	Upper
266	100		
268	64.0	48.2	72.4
264	62.5	49.4	74.0

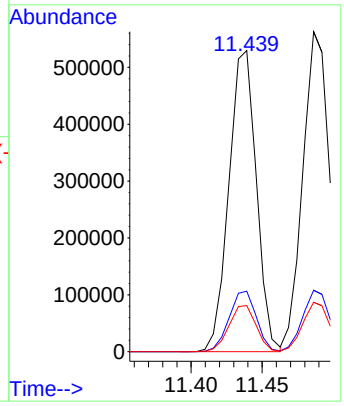




#71
Phenanthrene
Concen: 41.280 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:178 Resp: 71243

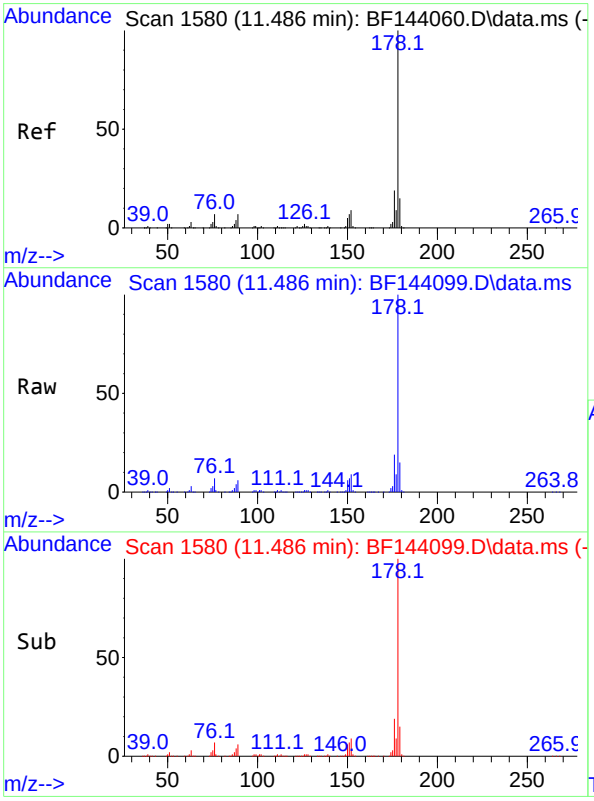
Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.3	24.5
179	15.3	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

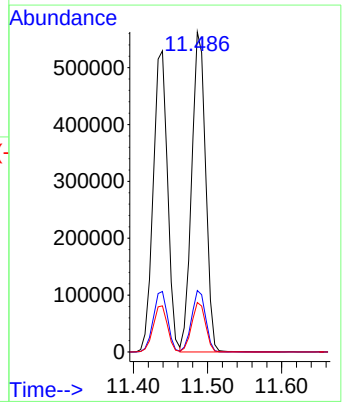
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

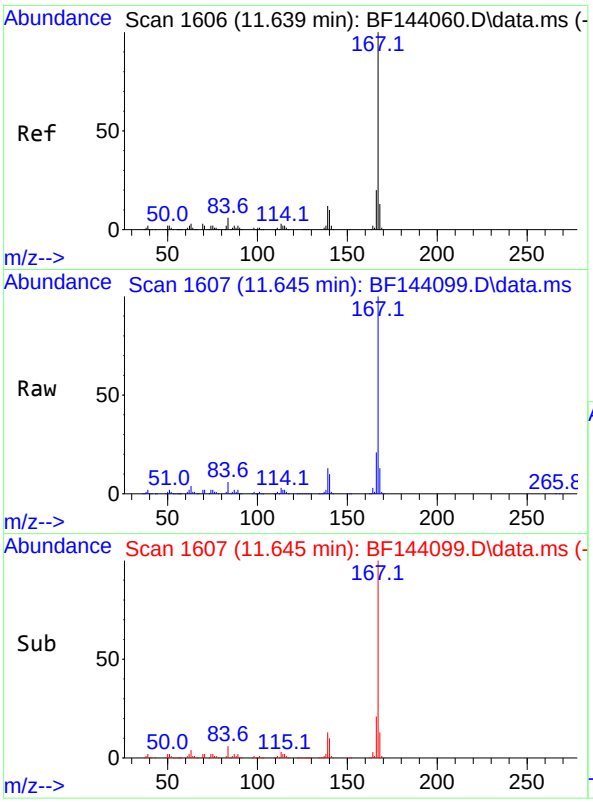


#72
Anthracene
Concen: 41.128 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:178 Resp: 733246

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.5	11.8	17.6

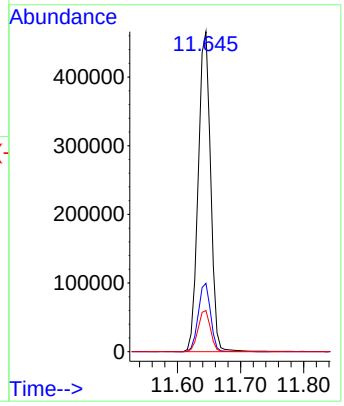




#73
Carbazole
Concen: 41.677 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:167 Resp: 63245

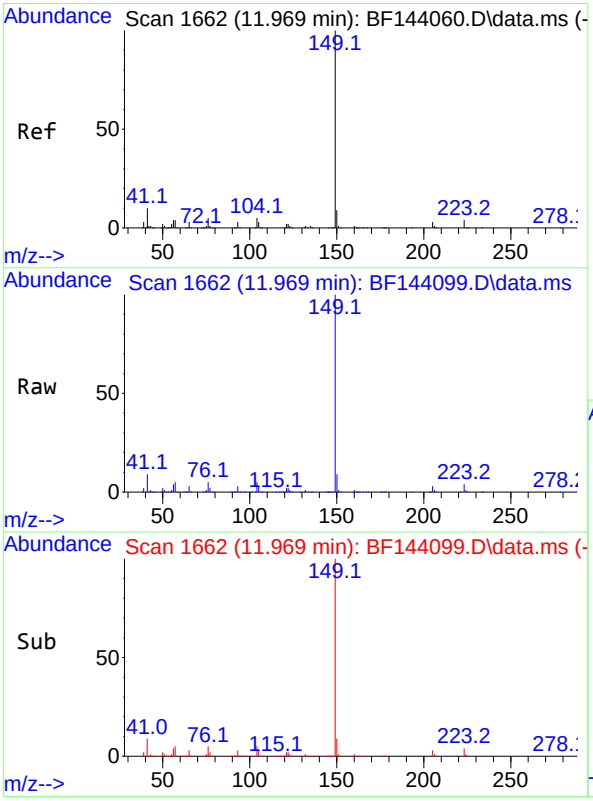
Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.1	24.1
139	12.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

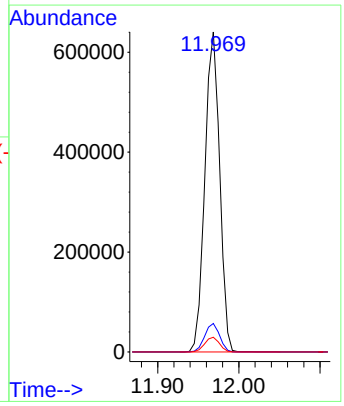
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

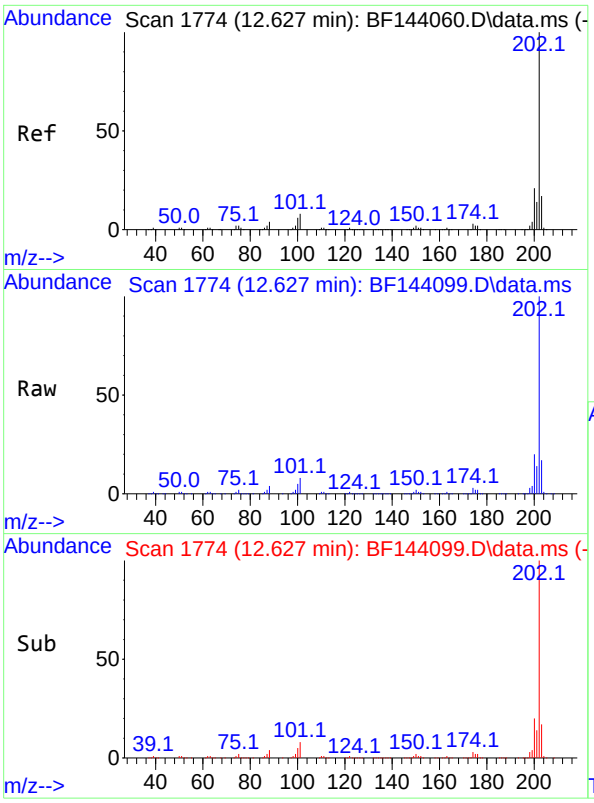


#74
Di-n-butylphthalate
Concen: 43.469 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:149 Resp: 808755

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.6	3.6	5.4

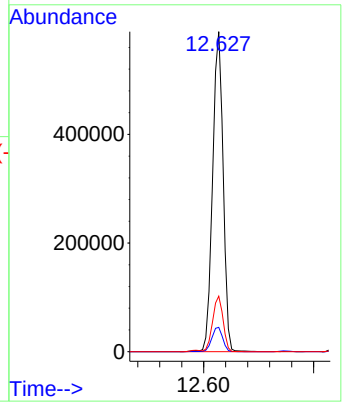




#75
Fluoranthene
Concen: 41.061 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:202 Resp: 78293

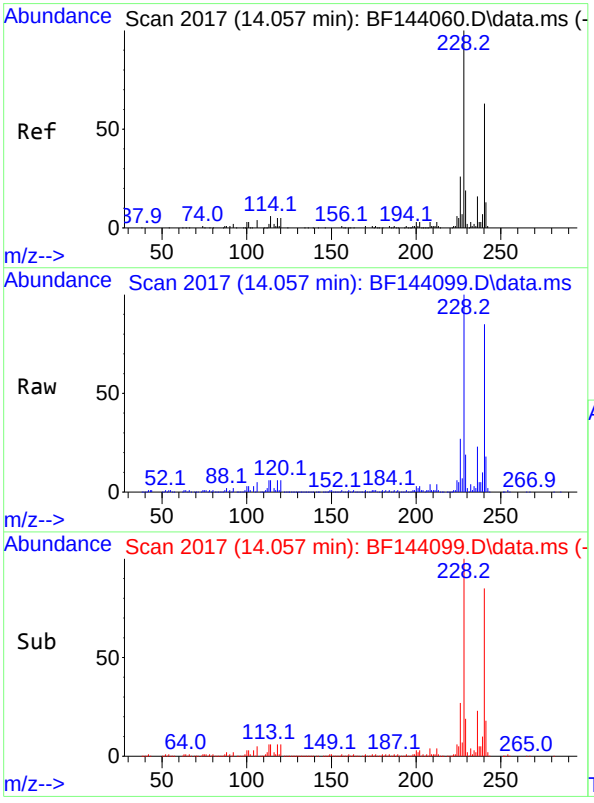
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	27.7
203	17.3	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

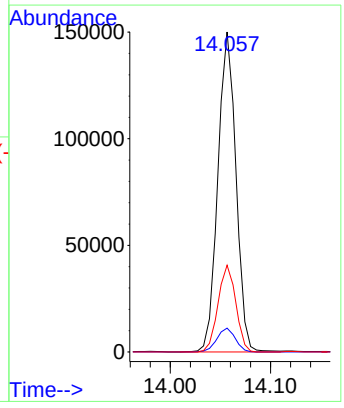
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

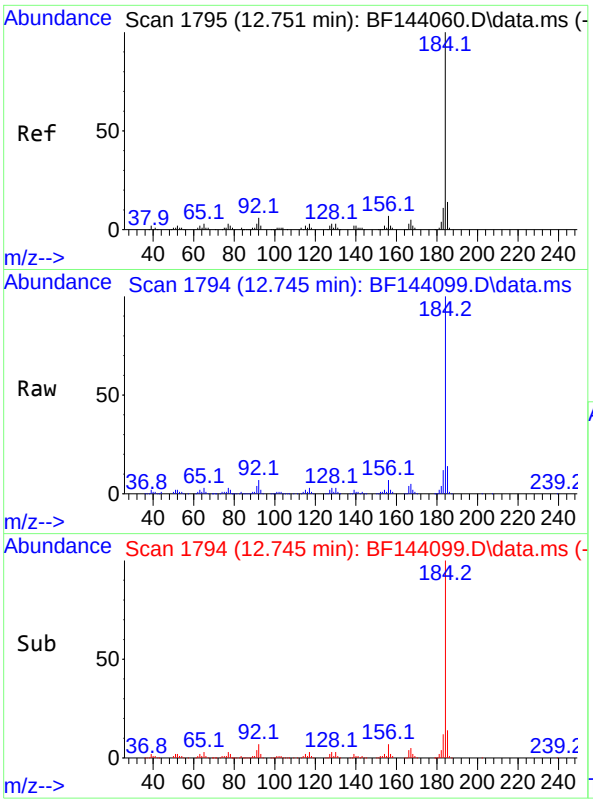


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:240 Resp: 187996

Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.5	9.7
236	27.1	20.1	30.1

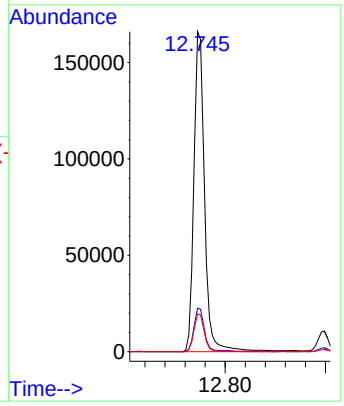




#77
Benzidine
Concen: 41.978 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:184 Resp: 24560

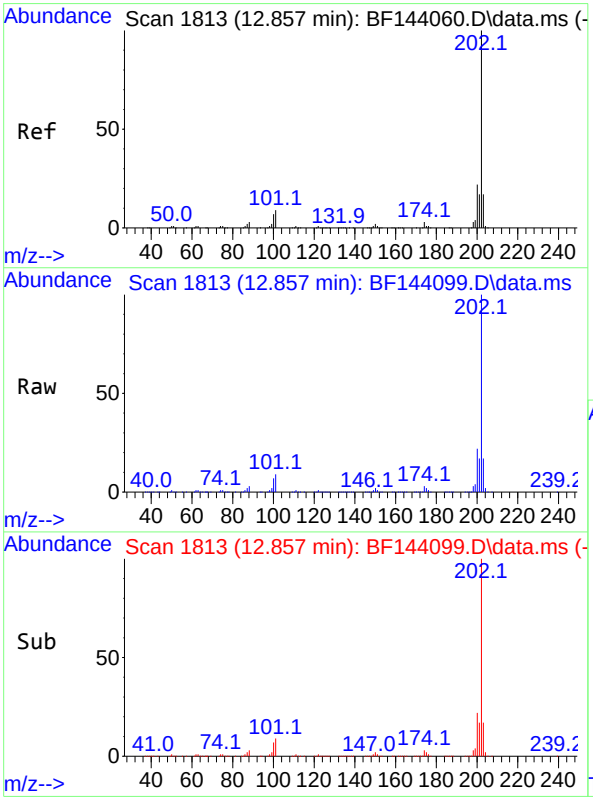
Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.6	17.4
183	11.8	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

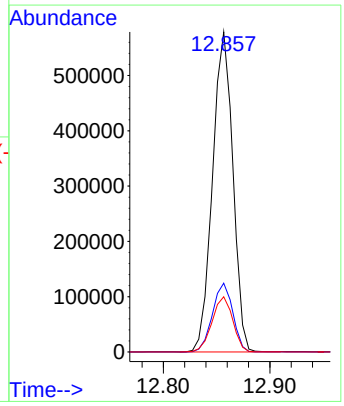
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

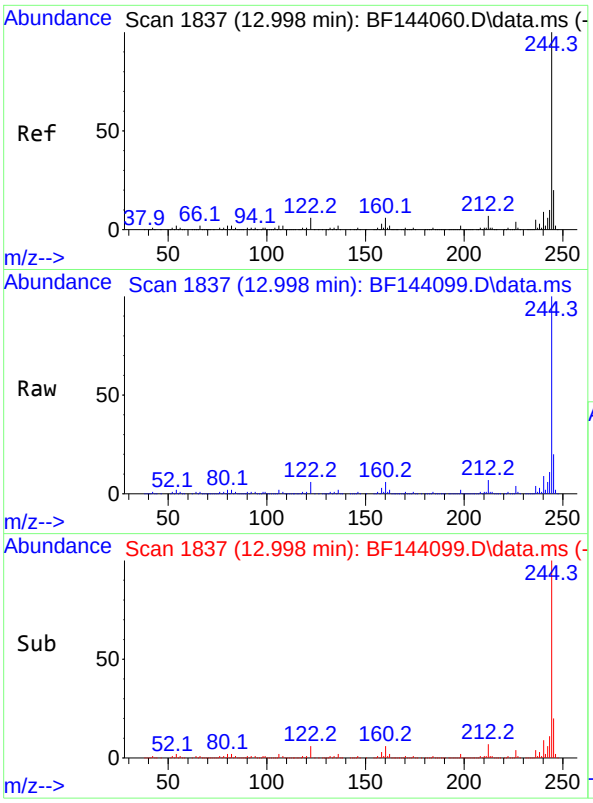


#78
Pyrene
Concen: 56.663 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:202 Resp: 765832

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

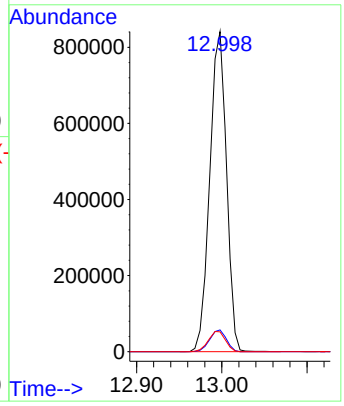




#79
Terphenyl-d14
Concen: 106.506 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:244 Resp: 114531

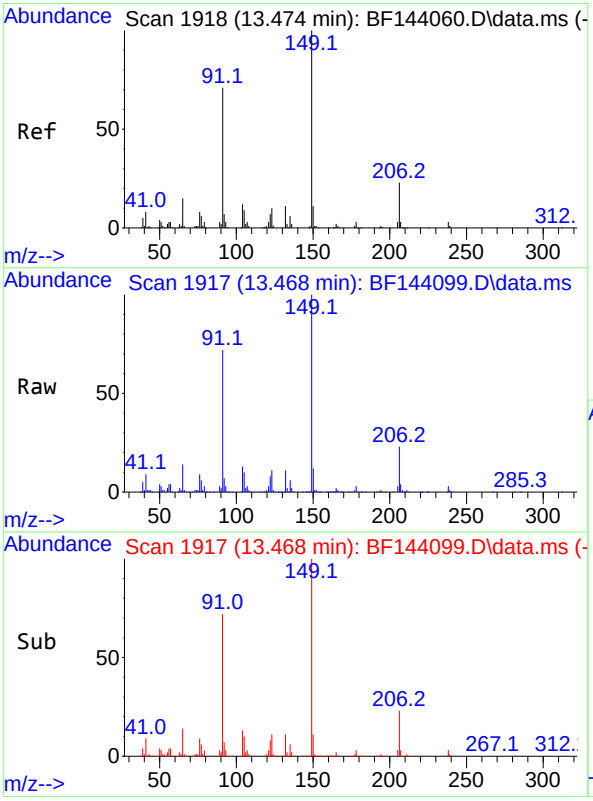
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.2	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

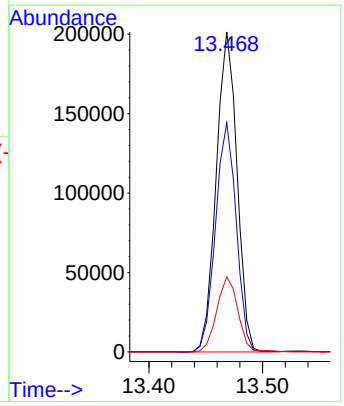
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

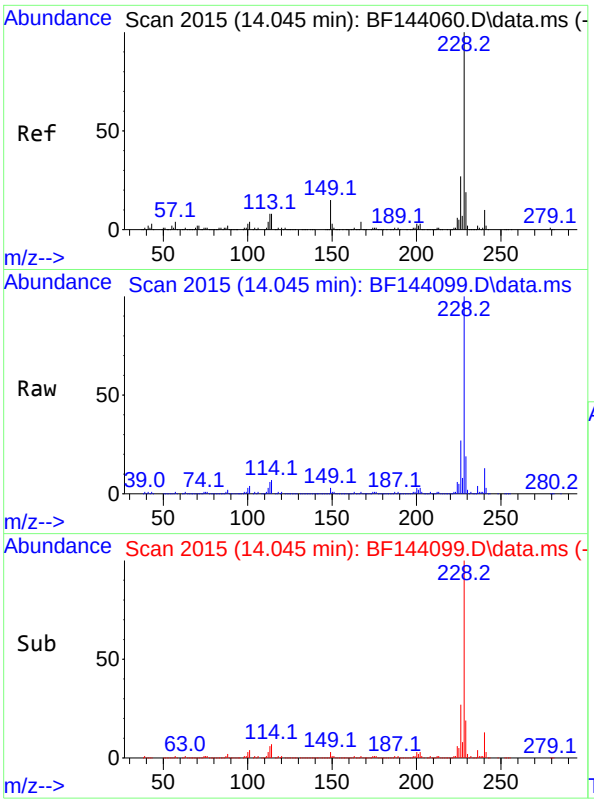


#80
Butylbenzylphthalate
Concen: 50.175 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:149 Resp: 256551

Ion	Ratio	Lower	Upper
149	100		
91	71.7	56.6	84.8
206	23.4	18.3	27.5

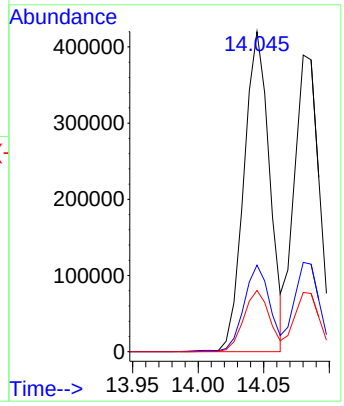




#81
Benzo(a)anthracene
Concen: 45.009 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:228 Resp: 57183

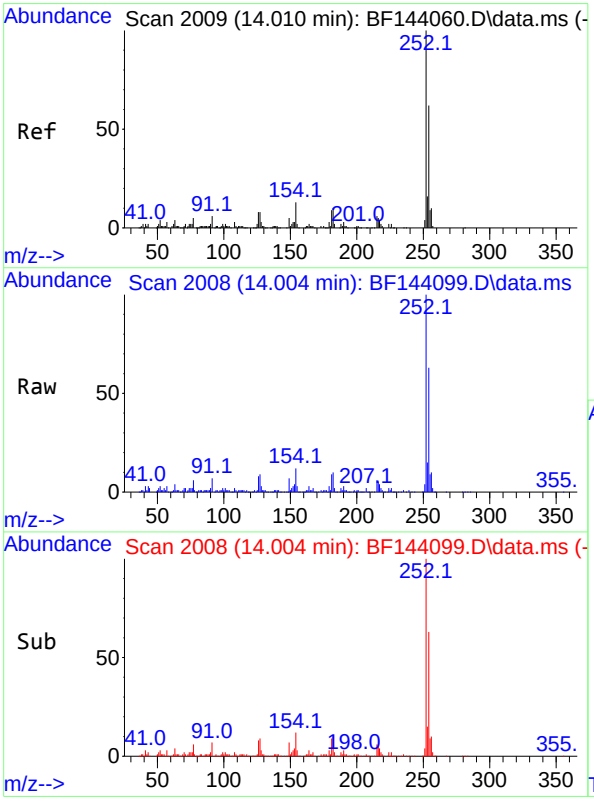
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.2	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

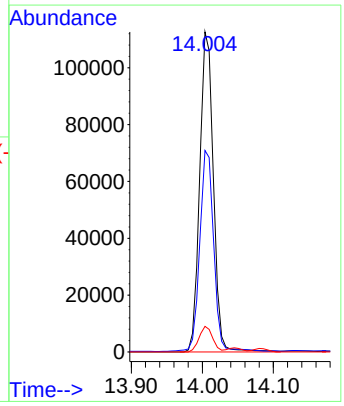
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

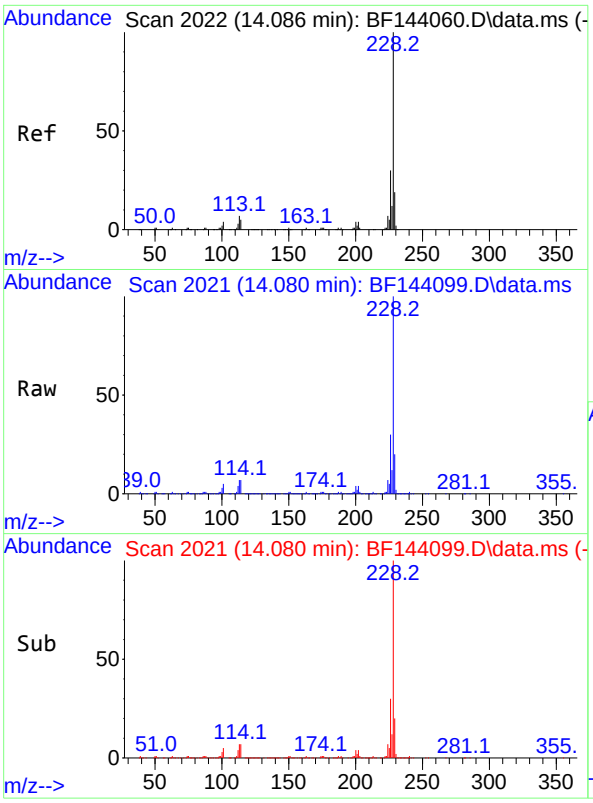


#82
3,3'-Dichlorobenzidine
Concen: 34.190 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:252 Resp: 151207

Ion	Ratio	Lower	Upper
252	100		
254	63.0	49.9	74.9
126	8.0	6.5	9.7

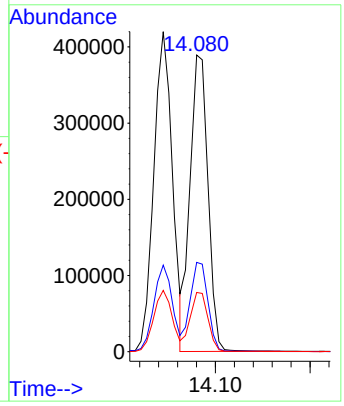




#83
Chrysene
Concen: 43.009 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:228 Resp: 51276

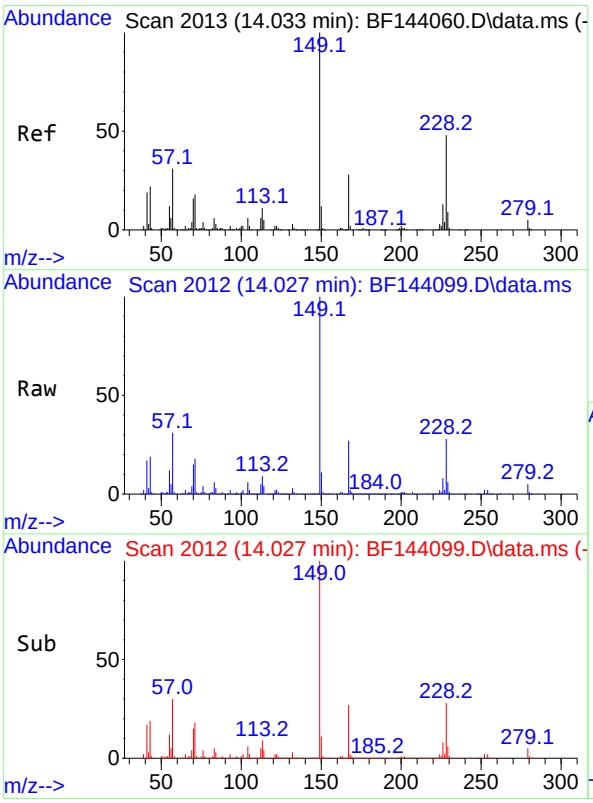
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	19.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

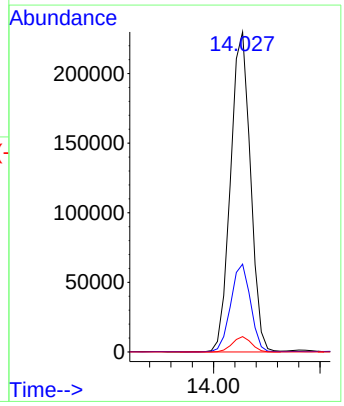
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

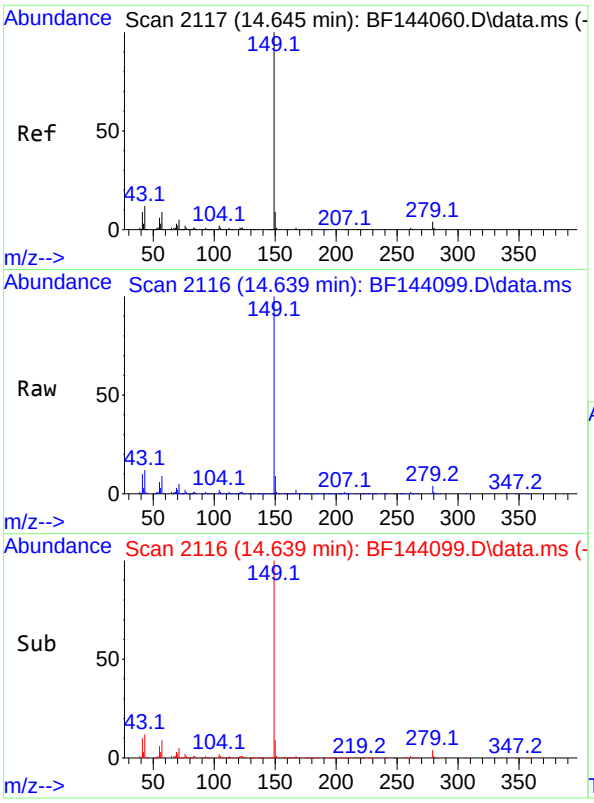


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.809 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:149 Resp: 298825

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	4.8	3.6	5.4

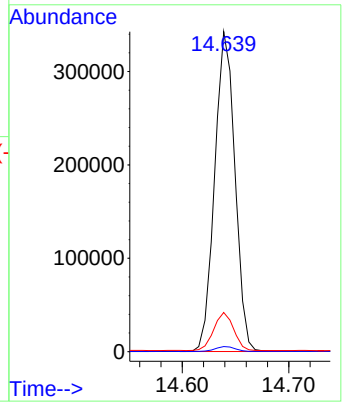




#85
Di-n-octyl phthalate
Concen: 37.726 ng
RT: 14.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:149 Resp: 45287

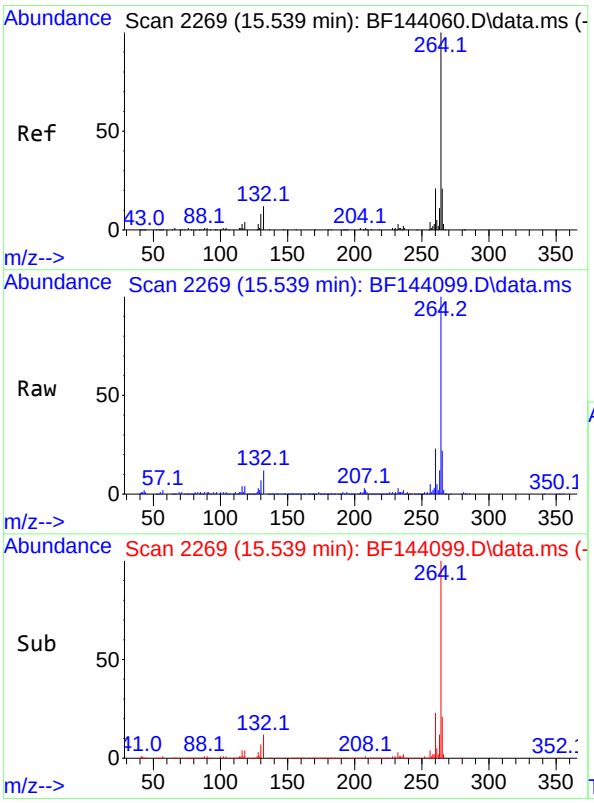
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

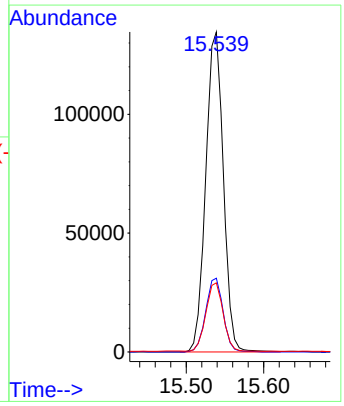
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

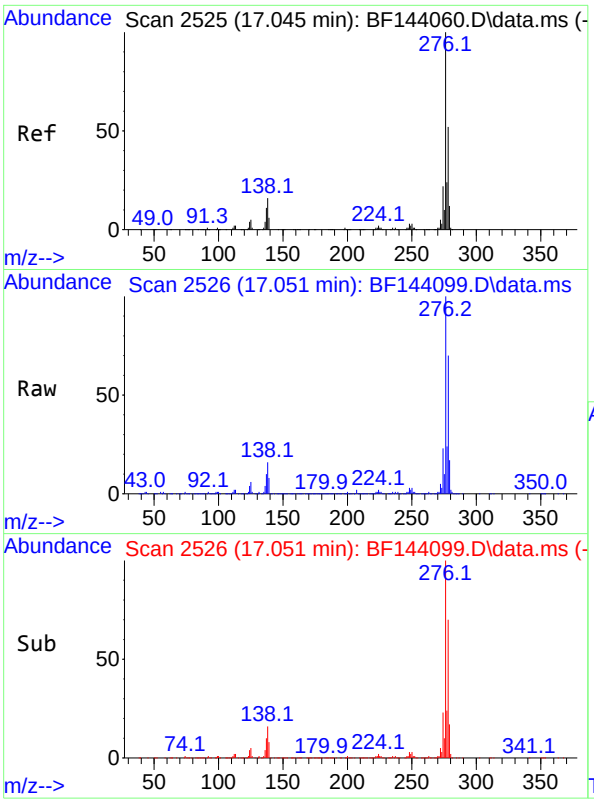


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:264 Resp: 212306

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.0	25.4
265	21.6	16.6	24.8

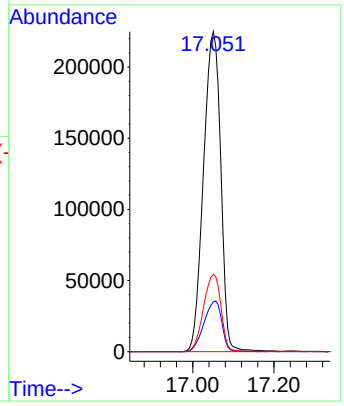




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.506 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:276 Resp: 66329

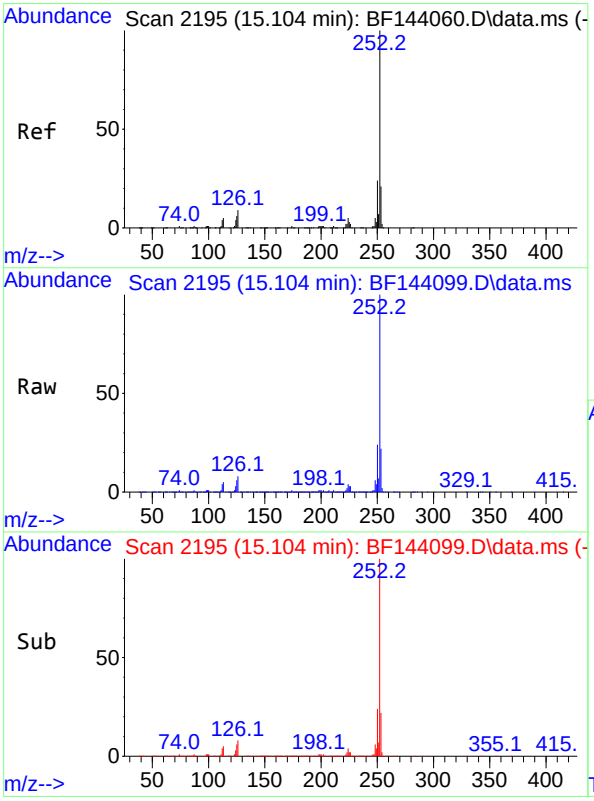
Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.6
277	24.4	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

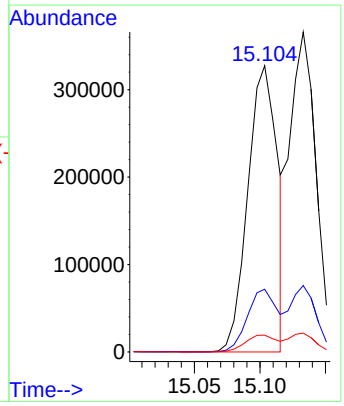
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

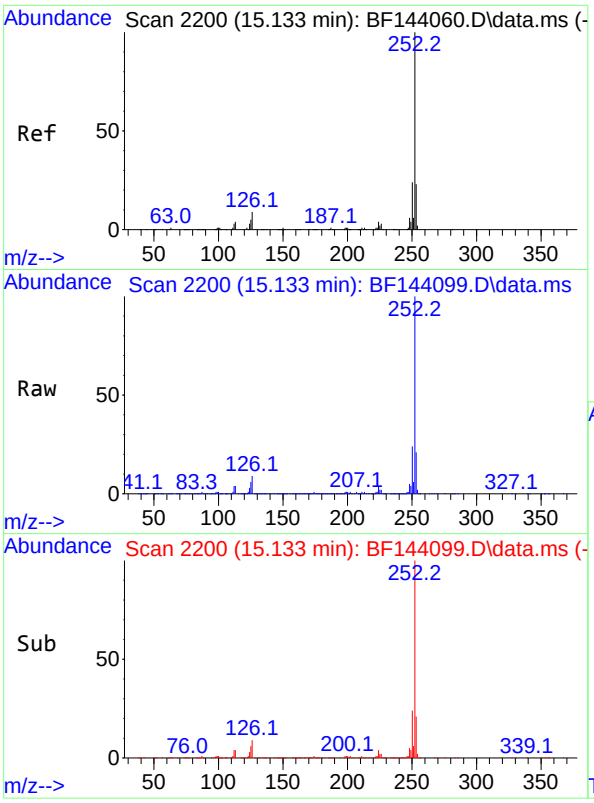


#88
Benzo(b)fluoranthene
Concen: 42.729 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:252 Resp: 512853

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	5.9	5.0	7.6

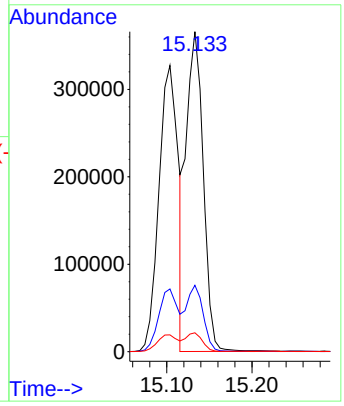




#89
Benzo(k)fluoranthene
Concen: 45.772 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:252 Resp: 50687

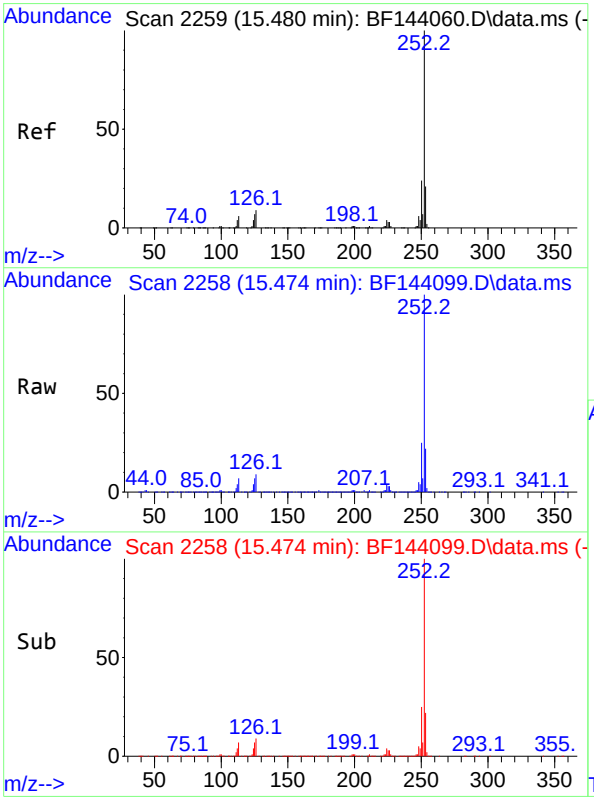
Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

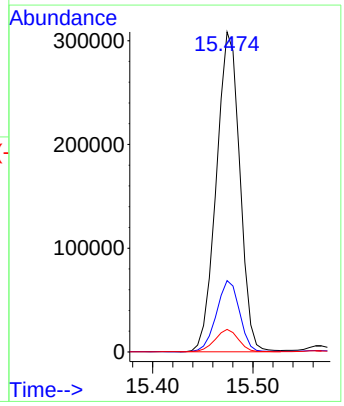
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

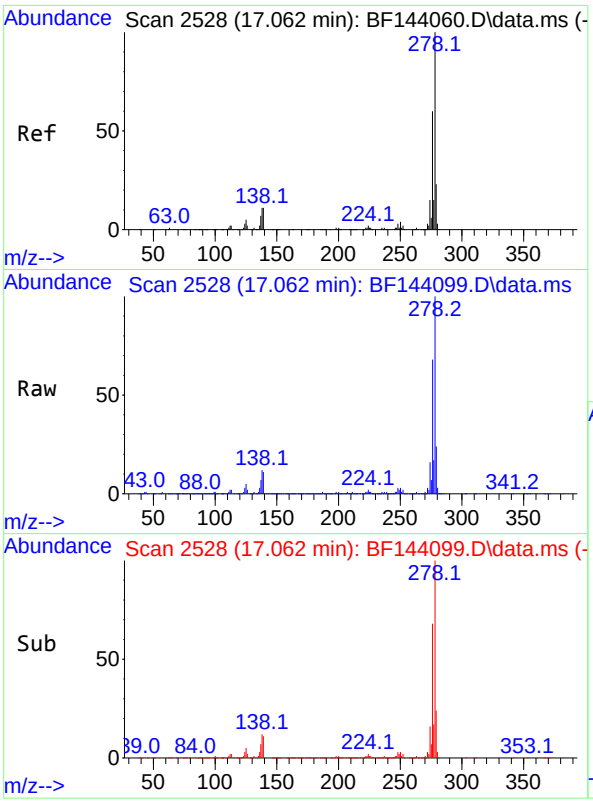


#90
Benzo(a)pyrene
Concen: 46.371 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:252 Resp: 499311

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	7.0	5.4	8.2

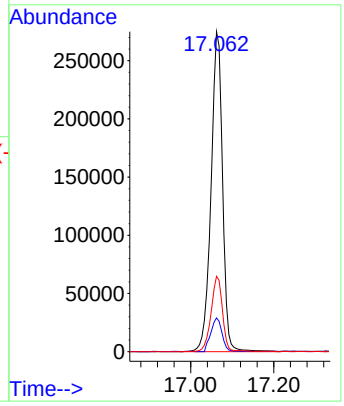




#91
Dibenzo(a,h)anthracene
Concen: 45.912 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:278 Resp: 52973

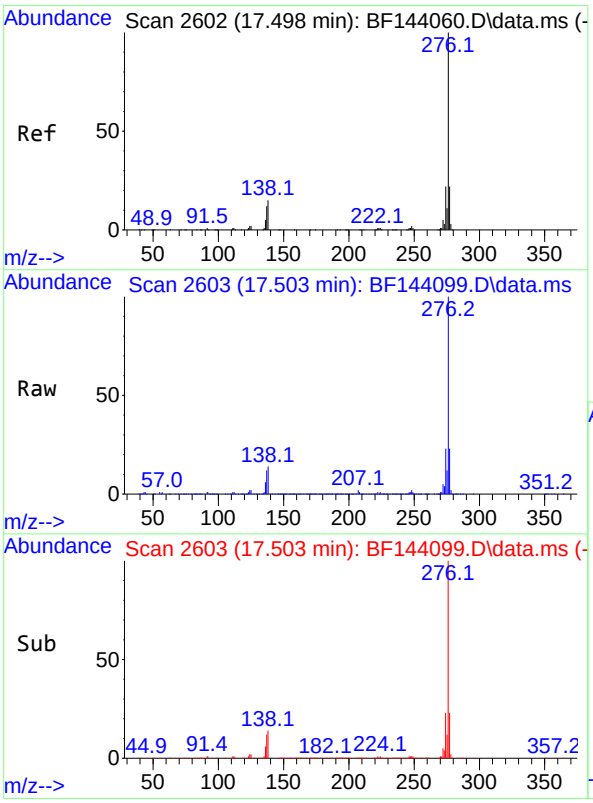
Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.5	12.7
279	23.6	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
PB170267BS

Manual Integrations
APPROVED

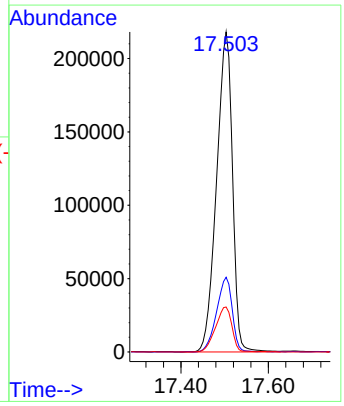
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#92
Benzo(g,h,i)perylene
Concen: 47.204 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144099.D
Acq: 28 Oct 2025 14:16

Tgt Ion:276 Resp: 547573

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	14.1	12.0	18.0



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:	10/21/25
Project:	RFP 905			Date Received:	10/22/25
Client Sample ID:	TP-8MS			SDG No.:	Q3447
Lab Sample ID:	Q3427-04MS			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	300		1	12.8	50.0	ug/L	10/29/25 14:33	PB170267
106-46-7	1,4-Dichlorobenzene	460		1	5.30	50.0	ug/L	10/29/25 14:33	PB170267
95-48-7	2-Methylphenol	500		1	11.2	50.0	ug/L	10/29/25 14:33	PB170267
65794-96-9	3+4-Methylphenols	490		1	11.0	100	ug/L	10/29/25 14:33	PB170267
67-72-1	Hexachloroethane	430		1	6.50	50.0	ug/L	10/29/25 14:33	PB170267
98-95-3	Nitrobenzene	470		1	7.60	50.0	ug/L	10/29/25 14:33	PB170267
87-68-3	Hexachlorobutadiene	430		1	5.40	50.0	ug/L	10/29/25 14:33	PB170267
88-06-2	2,4,6-Trichlorophenol	480		1	5.10	50.0	ug/L	10/29/25 14:33	PB170267
95-95-4	2,4,5-Trichlorophenol	500		1	6.20	50.0	ug/L	10/29/25 14:33	PB170267
121-14-2	2,4-Dinitrotoluene	550		1	12.2	50.0	ug/L	10/29/25 14:33	PB170267
118-74-1	Hexachlorobenzene	460		1	5.20	50.0	ug/L	10/29/25 14:33	PB170267
87-86-5	Pentachlorophenol	1000	E	1	15.8	100	ug/L	10/29/25 14:33	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	132			23 - 138	88%	SPK: 150		
13127-88-3	Phenol-d6	128			10 - 134	85%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.9			67 - 132	96%	SPK: 100		
321-60-8	2-Fluorobiphenyl	90.8			52 - 132	91%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	151			44 - 137	101%	SPK: 150		
1718-51-0	Terphenyl-d14	103			42 - 152	103%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	59300							
1146-65-2	Naphthalene-d8	229000							
15067-26-2	Acenaphthene-d10	133000							
1517-22-2	Phenanthrene-d10	236000							
1719-03-5	Chrysene-d12	146000							
1520-96-3	Perylene-d12	194000							

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144127.D
Acq On : 29 Oct 2025 14:33
Operator : RC/JU
Sample : Q3427-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 14:53:51 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 :
TP-8MS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	59277	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	229063	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	132788	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	236318	20.000	ng		0.00
76) Chrysene-d12	14.057	240	145719	20.000	ng		0.00
86) Perylene-d12	15.539	264	194108	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	494181	131.897	ng		0.02
7) Phenol-d6	6.510	99	528418	127.704	ng		0.00
23) Nitrobenzene-d5	7.445	82	401095	95.934	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	255935	151.310	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	856913	90.811	ng		0.00
79) Terphenyl-d14	12.992	244	855482	102.634	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.793	88	63223	39.050	ng	#	76
3) Pyridine	3.516	79	128815	29.719	ng		100
4) n-Nitrosodimethylamine	3.457	42	118968	44.668	ng		92
6) Aniline	6.545	93	61355	10.364	ng		95
8) 2-Chlorophenol	6.663	128	174548	47.306	ng		99
9) Benzaldehyde	6.434	77	7236	2.252	ng		98
10) Phenol	6.528	94	203069	39.779	ng		97
11) bis(2-Chloroethyl)ether	6.616	93	180621	48.965	ng		97
12) 1,3-Dichlorobenzene	6.822	146	201243	44.215	ng		98
13) 1,4-Dichlorobenzene	6.898	146	206250	45.981	ng		98
14) 1,2-Dichlorobenzene	7.045	146	195189	44.973	ng		98
15) Benzyl Alcohol	7.022	79	169666	50.428	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	334193	48.205	ng		94
17) 2-Methylphenol	7.134	107	141762	49.954	ng		98
18) Hexachloroethane	7.392	117	69063	43.065	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	140902	52.658	ng		93
20) 3+4-Methylphenols	7.287	107	164615	49.069	ng	#	73
22) Acetophenone	7.287	105	264741	53.479	ng		97
24) Nitrobenzene	7.463	77	208006	47.030	ng		99
25) Isophorone	7.698	82	374495	51.233	ng		99
26) 2-Nitrophenol	7.775	139	101895	48.429	ng		96
27) 2,4-Dimethylphenol	7.810	122	167563	53.591	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	227803	49.974	ng		99
29) 2,4-Dichlorophenol	8.022	162	179559	49.382	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	181601	48.547	ng		98
31) Naphthalene	8.181	128	502686	46.497	ng		99
32) Benzoic acid	7.945	122	125796	63.428	ng	#	82
33) 4-Chloroaniline	8.234	127	15080	4.007	ng	#	91
34) Hexachlorobutadiene	8.298	225	132182	43.214	ng		97
35) Caprolactam	8.598	113	47527m	52.123	ng		
36) 4-Chloro-3-methylphenol	8.716	107	167327	52.147	ng		96
37) 2-Methylnaphthalene	8.875	142	324013	45.457	ng		99
38) 1-Methylnaphthalene	8.975	142	325313	48.173	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	218705	47.923	ng		100
41) Hexachlorocyclopentadiene	9.028	237	155525	110.337	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	142412	48.009	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144127.D
Acq On : 29 Oct 2025 14:33
Operator : RC/JU
Sample : Q3427-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 14:53:51 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 :
TP-8MS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	156505	50.272	ng		95
46) 1,1'-Biphenyl	9.339	154	483342	50.848	ng		99
47) 2-Chloronaphthalene	9.363	162	366750	46.054	ng		98
48) 2-Nitroaniline	9.463	65	114659	48.487	ng		94
49) Acenaphthylene	9.780	152	573512	53.411	ng		99
50) Dimethylphthalate	9.639	163	460072	52.858	ng		100
51) 2,6-Dinitrotoluene	9.704	165	95603	55.561	ng		91
52) Acenaphthene	9.951	154	367541	51.253	ng		98
53) 3-Nitroaniline	9.875	138	12769	6.675	ng		98
54) 2,4-Dinitrophenol	9.986	184	99111	106.495	ng		94
55) Dibenzofuran	10.128	168	492747	49.495	ng		97
56) 4-Nitrophenol	10.039	139	115546	89.192	ng		93
57) 2,4-Dinitrotoluene	10.110	165	126570	54.501	ng		96
58) Fluorene	10.469	166	374720	49.399	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	123393	56.246	ng		99
60) Diethylphthalate	10.339	149	424395	51.848	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	209744	49.168	ng		98
62) 4-Nitroaniline	10.486	138	76357	42.124	ng		94
63) Azobenzene	10.622	77	389507	50.276	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	76133	50.214	ng		98
66) n-Nitrosodiphenylamine	10.580	169	354837	46.995	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	144960	48.992	ng		99
68) Hexachlorobenzene	11.016	284	168631	46.470	ng		98
69) Atrazine	11.104	200	65513	26.442	ng		98
70) Pentachlorophenol	11.216	266	176284	102.057	ng		97
71) Phenanthrene	11.433	178	554570	47.241	ng		99
72) Anthracene	11.486	178	566042	46.677	ng		99
73) Carbazole	11.639	167	457341	44.308	ng		99
74) Di-n-butylphthalate	11.969	149	610796	48.265	ng		100
75) Fluoranthene	12.621	202	546179	42.112	ng		99
77) Benzidine	12.757	184	12368	2.727	ng	#	81
78) Pyrene	12.857	202	535929	51.157	ng		100
80) Butylbenzylphthalate	13.468	149	214991	54.245	ng		97
81) Benzo(a)anthracene	14.045	228	503316	51.110	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	31500	9.189	ng		98
83) Chrysene	14.080	228	467481	50.587	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	279617	51.679	ng		100
85) Di-n-octyl phthalate	14.639	149	490030	52.664	ng		100
87) Indeno(1,2,3-cd)pyrene	17.045	276	539806	40.506	ng		99
88) Benzo(b)fluoranthene	15.104	252	526302	47.961	ng		99
89) Benzo(k)fluoranthene	15.133	252	537075	53.047	ng		100
90) Benzo(a)pyrene	15.474	252	515620	52.375	ng		100
91) Dibenzo(a,h)anthracene	17.056	278	446846	42.359	ng		99
92) Benzo(g,h,i)perylene	17.498	276	396078	37.345	ng		98

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

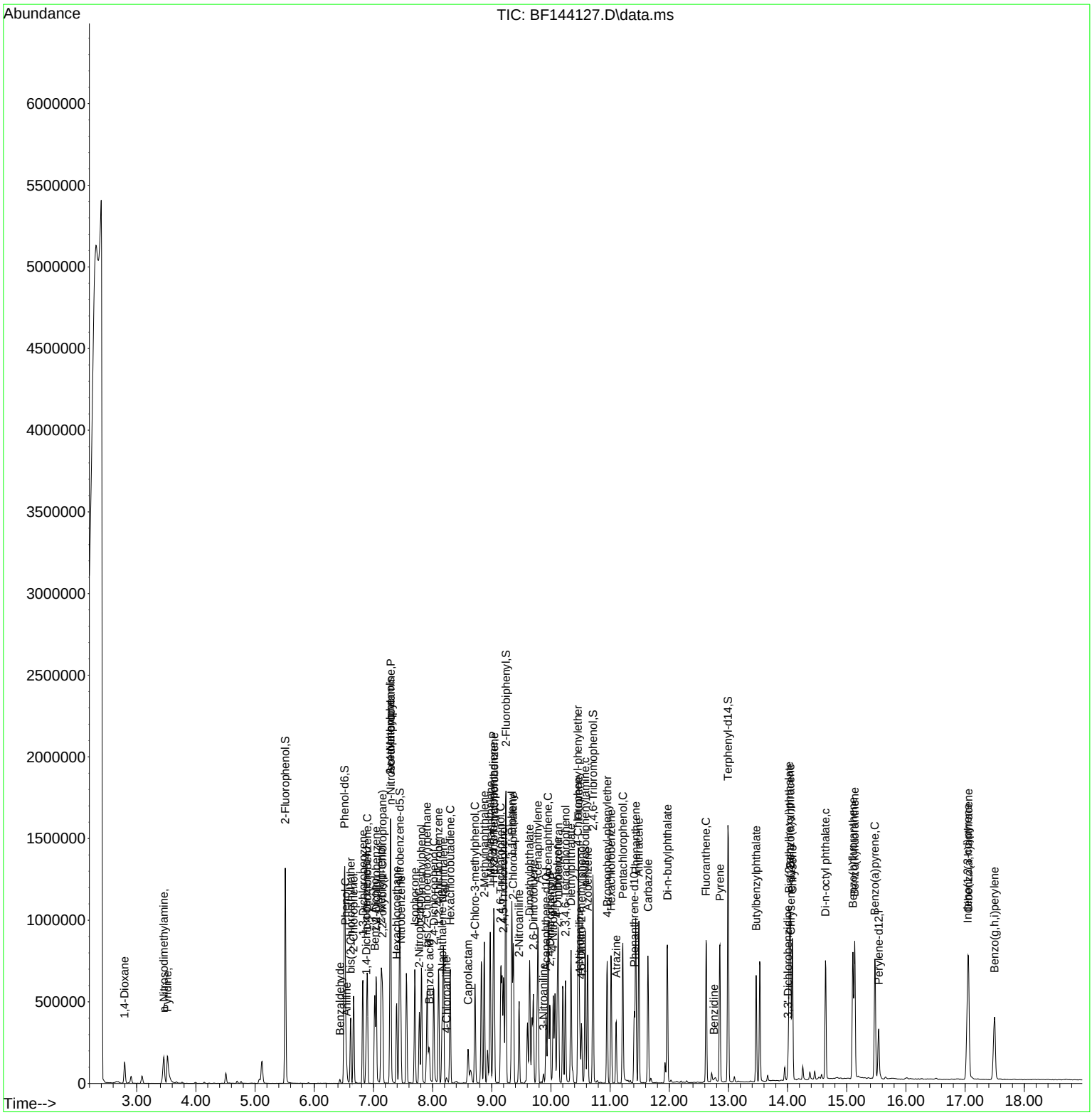
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144127.D
Acq On : 29 Oct 2025 14:33
Operator : RC/JU
Sample : Q3427-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

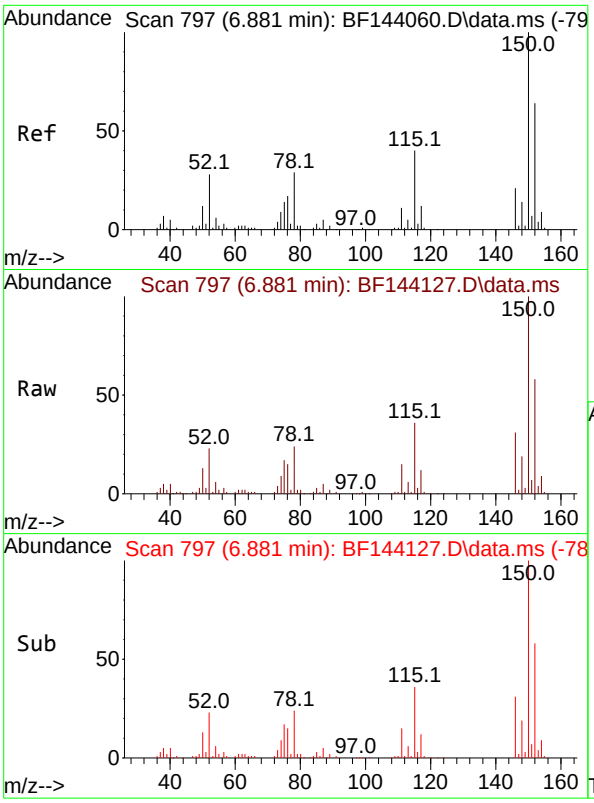
Quant Time: Oct 29 14:53:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations APPROVED

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

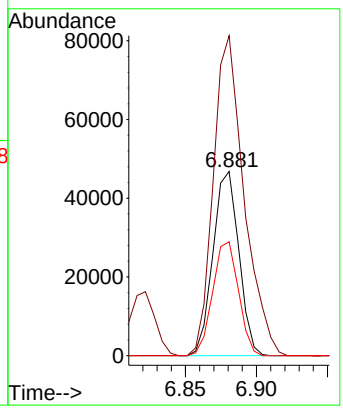




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:152 Resp: 5927

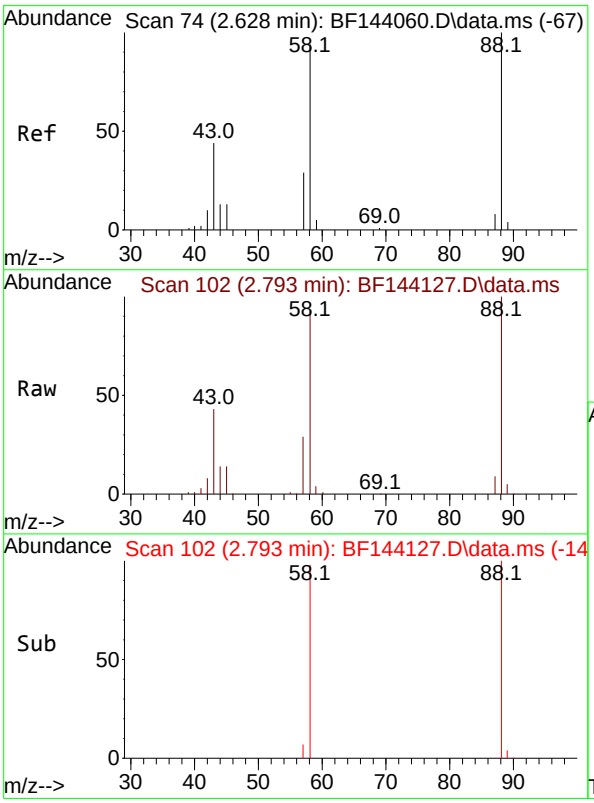
Ion	Ratio	Lower	Upper
152	100		
150	173.8	124.4	186.6
115	61.9	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

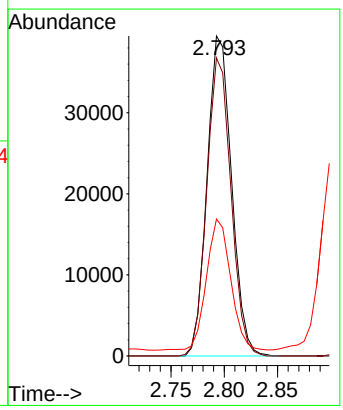
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

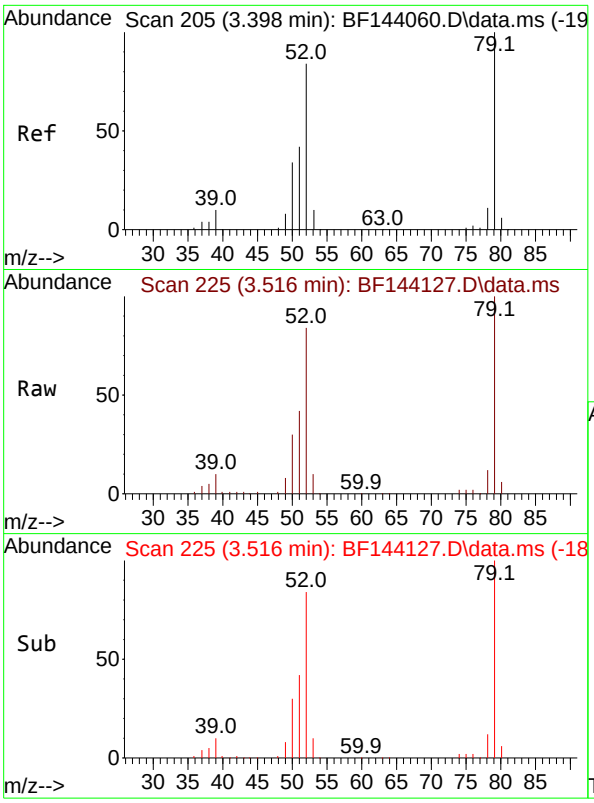


#2
1,4-Dioxane
Concen: 39.050 ng
RT: 2.793 min Scan# 102
Delta R.T. 0.165 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 88 Resp: 63223

Ion	Ratio	Lower	Upper
88	100		
58	92.1	76.5	114.7
43	0.0	35.3	52.9#

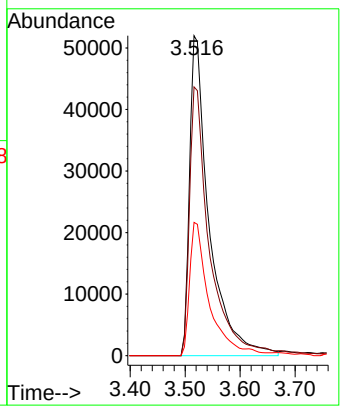




#3
Pyridine
Concen: 29.719 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.118 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 79 Resp: 12881

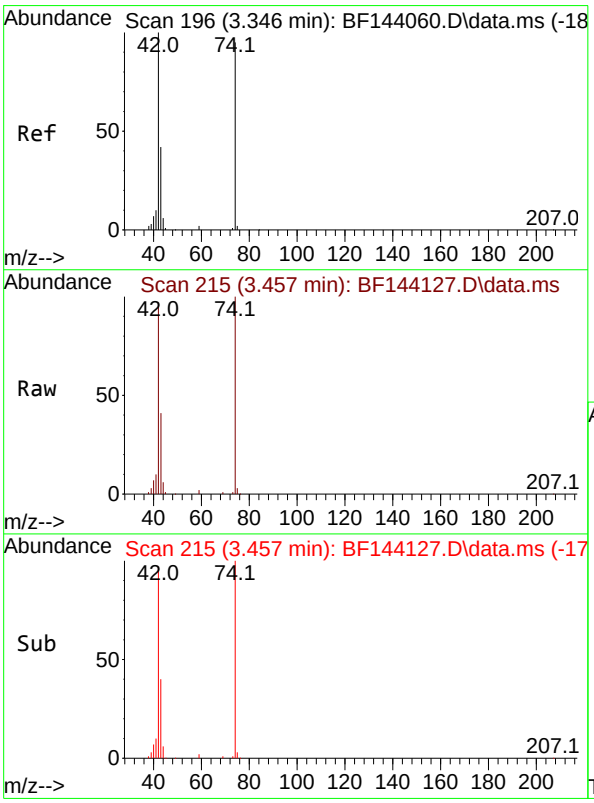
Ion	Ratio	Lower	Upper
79	100		
52	84.0	67.5	101.3
51	41.6	33.6	50.4



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

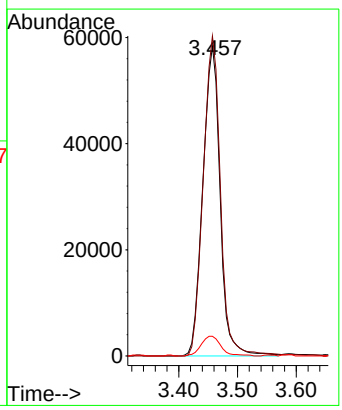
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

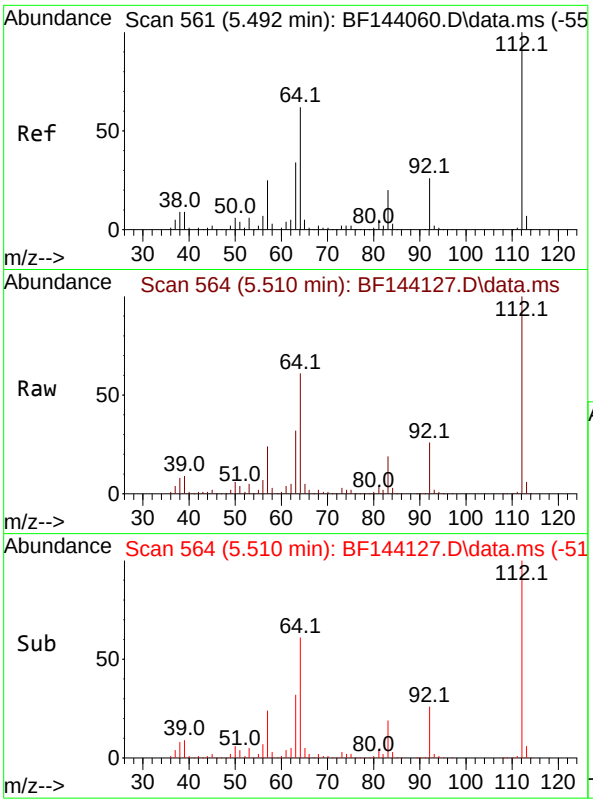


#4
n-Nitrosodimethylamine
Concen: 44.668 ng
RT: 3.457 min Scan# 215
Delta R.T. 0.112 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 42 Resp: 118968

Ion	Ratio	Lower	Upper
42	100		
74	103.3	76.4	114.6
44	6.3	5.2	7.8





#5
2-Fluorophenol
Concen: 131.897 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

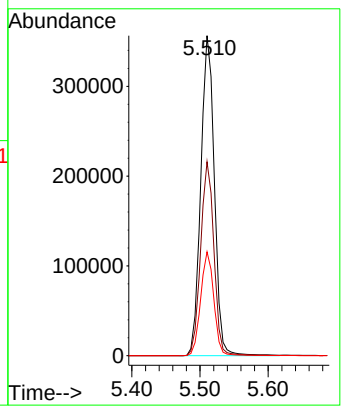
Tgt Ion:112 Resp: 49418

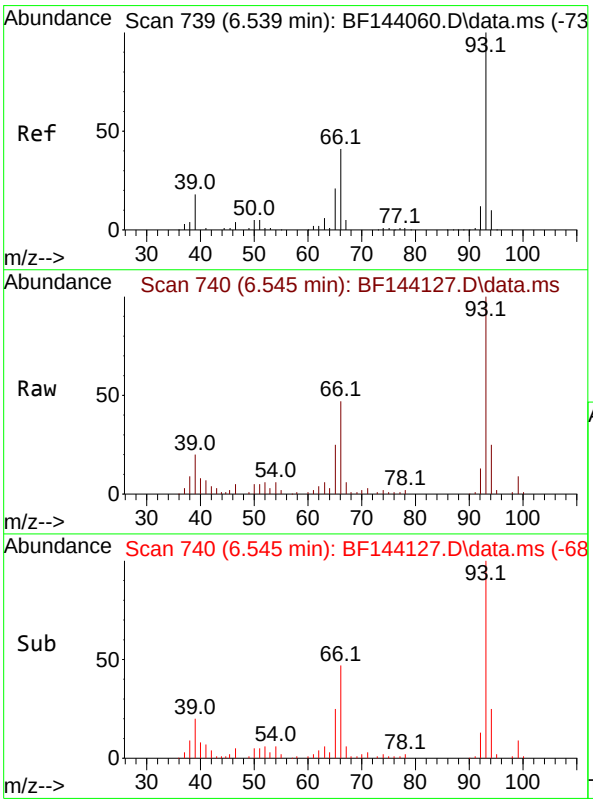
Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.8	74.8
63	32.4	27.4	41.2

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

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

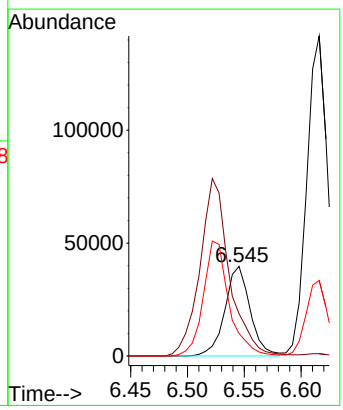


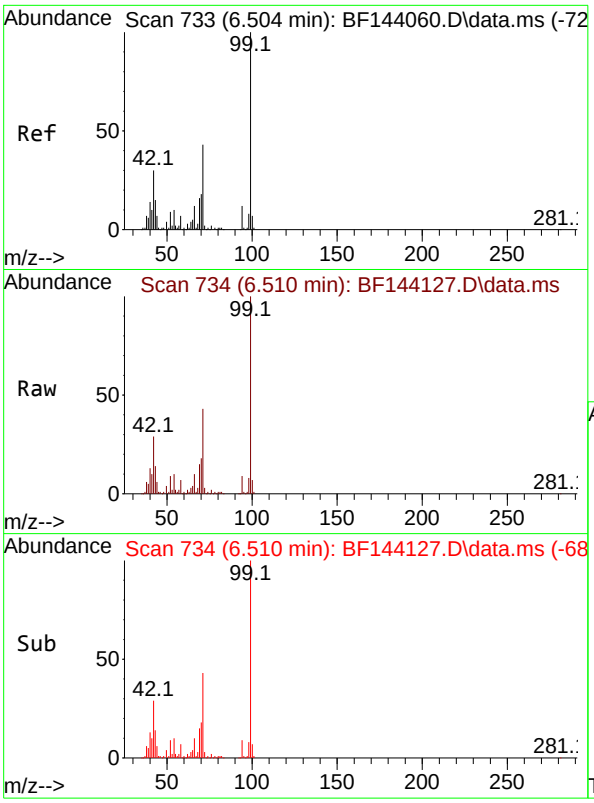


#6
Aniline
Concen: 10.364 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 93 Resp: 61355

Ion	Ratio	Lower	Upper
93	100		
66	47.1	35.7	53.5
65	24.9	17.0	25.6

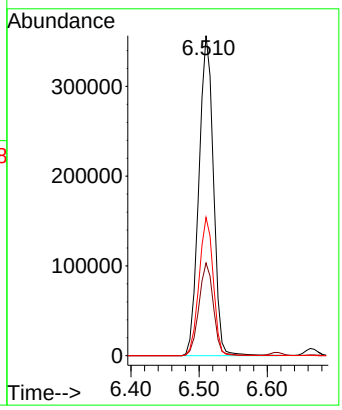




#7
Phenol-d6
Concen: 127.704 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 99 Resp: 52841

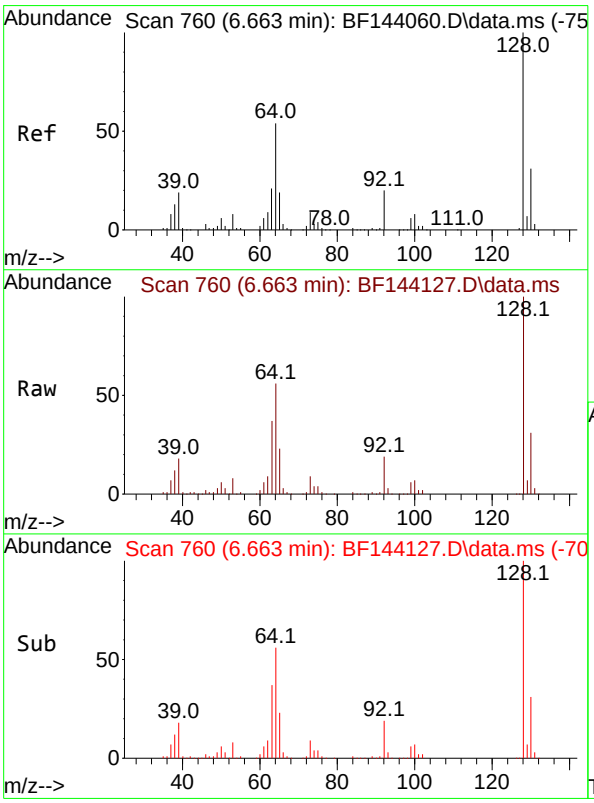
Ion	Ratio	Lower	Upper
99	100		
42	29.0	23.9	35.9
71	43.2	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

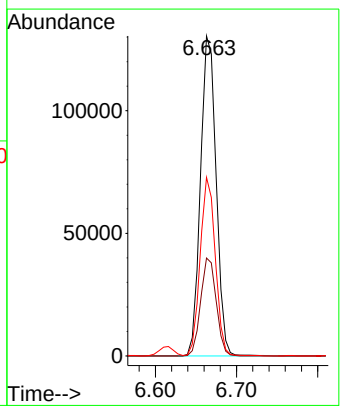
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

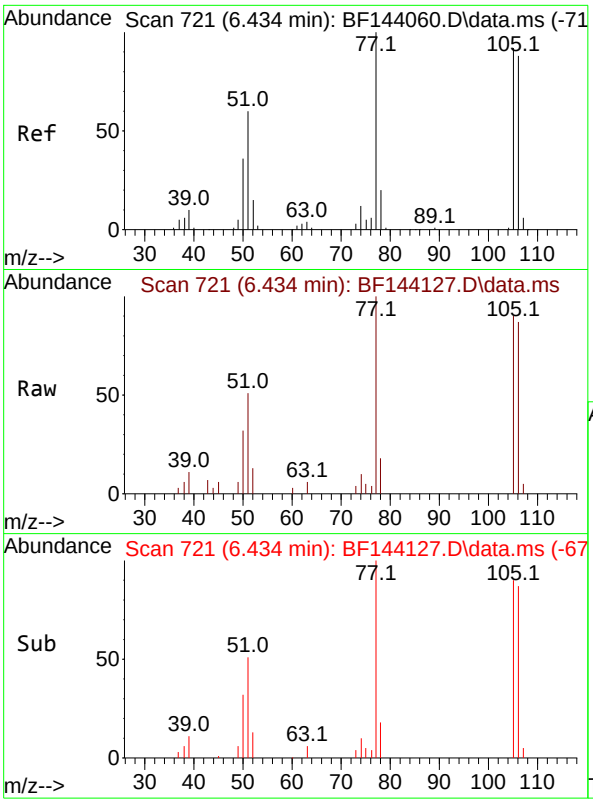


#8
2-Chlorophenol
Concen: 47.306 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:128 Resp: 174548

Ion	Ratio	Lower	Upper
128	100		
130	30.6	10.7	50.7
64	55.8	34.7	74.7

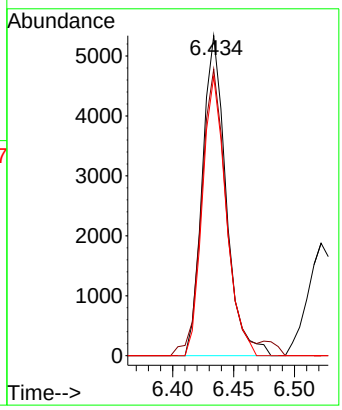




#9
Benzaldehyde
Concen: 2.252 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 77 Resp: 723

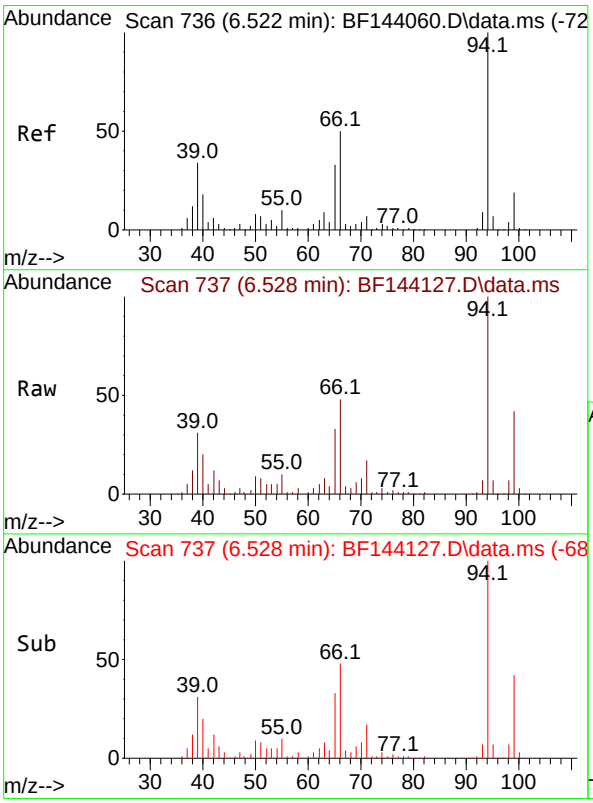
Ion	Ratio	Lower	Upper
77	100		
105	89.5	72.2	112.2
106	87.2	67.9	107.9



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

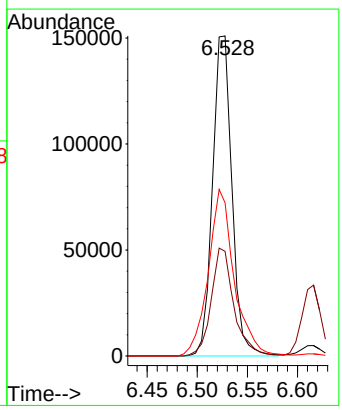
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

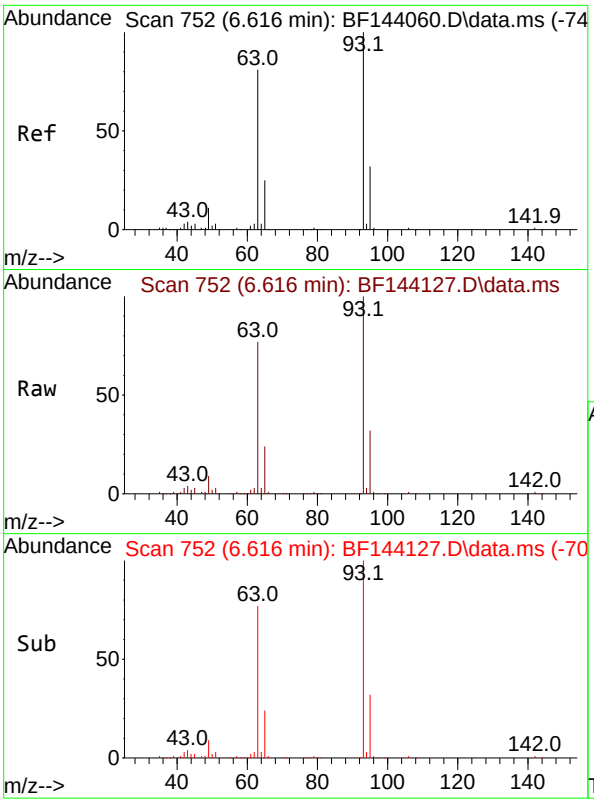


#10
Phenol
Concen: 39.779 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 94 Resp: 203069

Ion	Ratio	Lower	Upper
94	100		
65	32.7	13.1	53.1
66	47.8	30.6	70.6

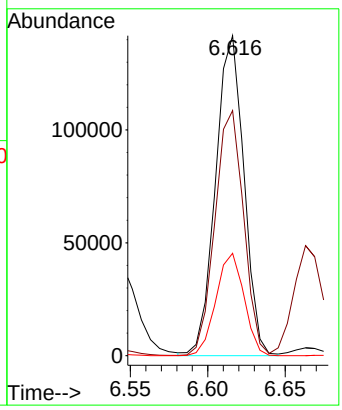




#11
bis(2-Chloroethyl)ether
Concen: 48.965 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 93 Resp: 18062

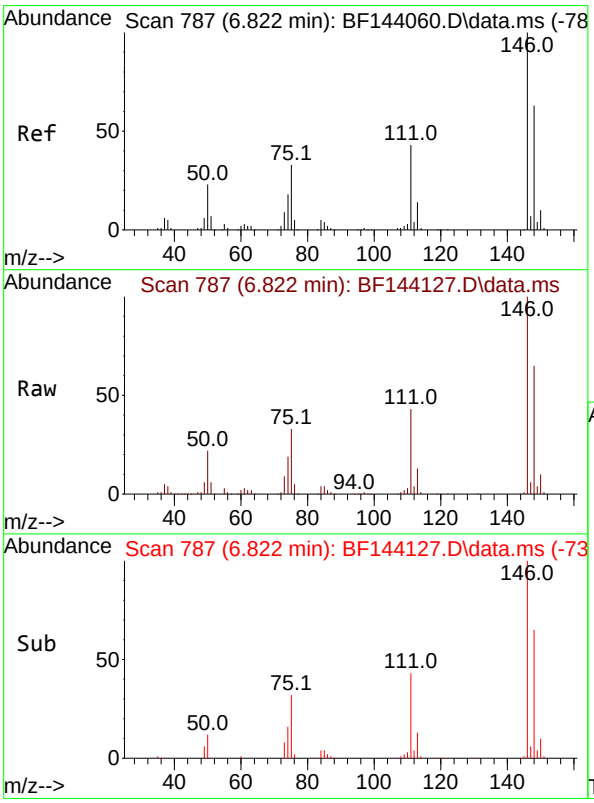
Ion	Ratio	Lower	Upper
93	100		
63	76.6	60.2	100.2
95	32.0	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

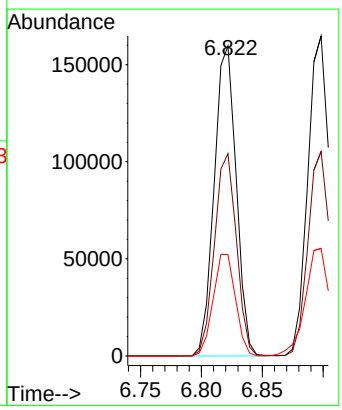
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

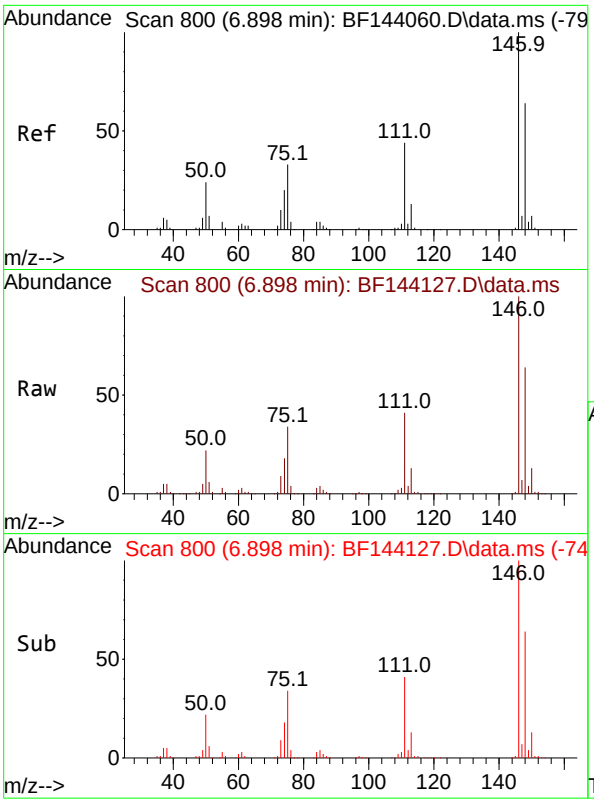


#12
1,3-Dichlorobenzene
Concen: 44.215 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:146 Resp: 201243

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.6	75.8
75	32.7	26.6	40.0

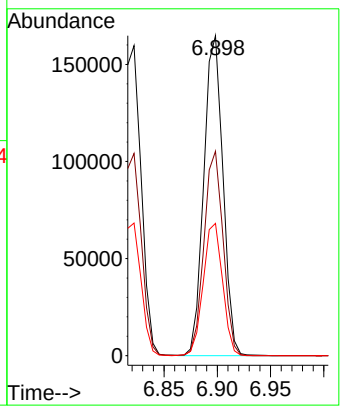




#13
1,4-Dichlorobenzene
Concen: 45.981 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:146 Resp: 20625

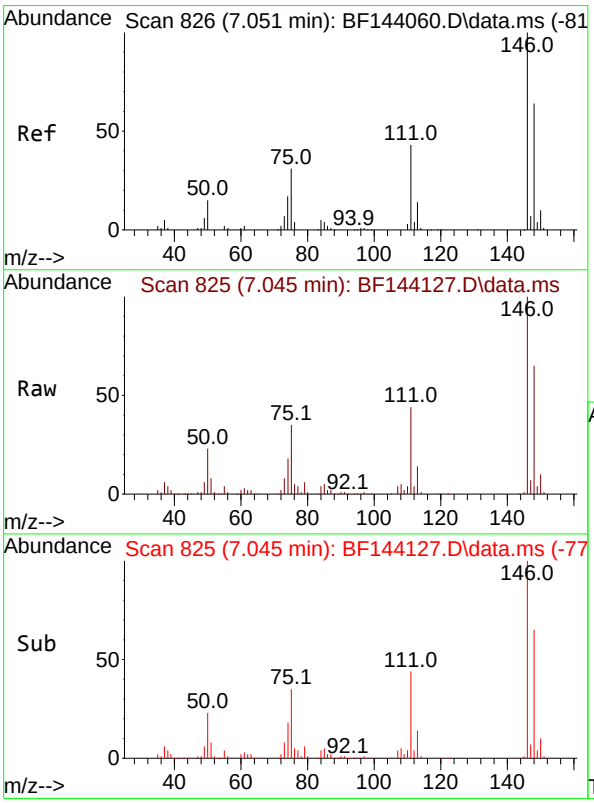
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	41.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

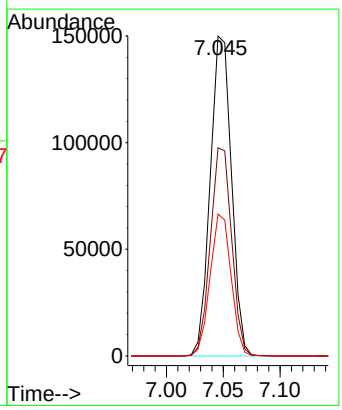
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

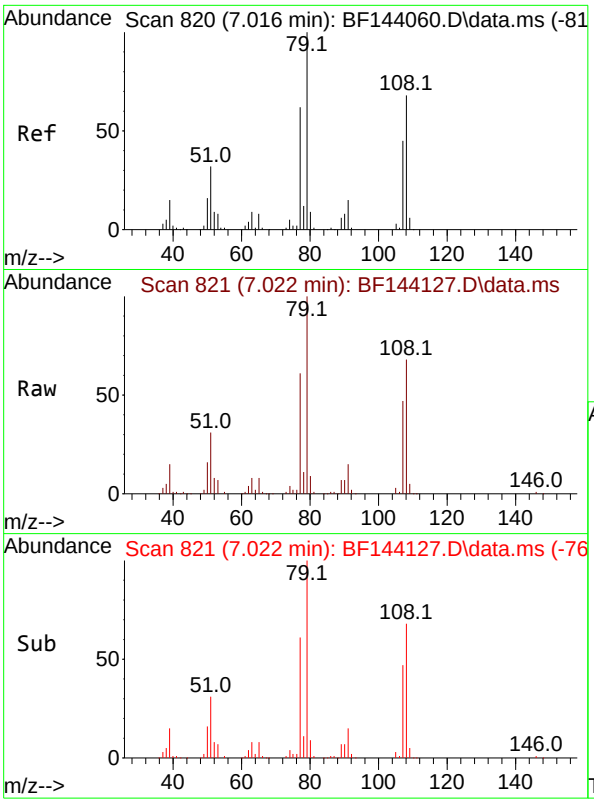


#14
1,2-Dichlorobenzene
Concen: 44.973 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:146 Resp: 195189

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.8	76.2
111	44.3	34.7	52.1





#15
Benzyl Alcohol
Concen: 50.428 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

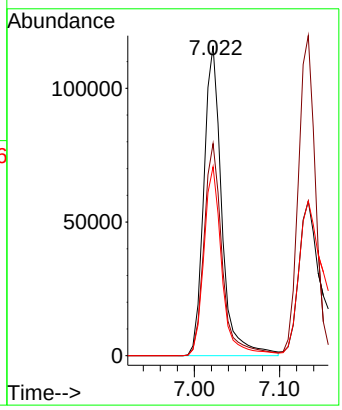
Tgt Ion: 79 Resp: 16966

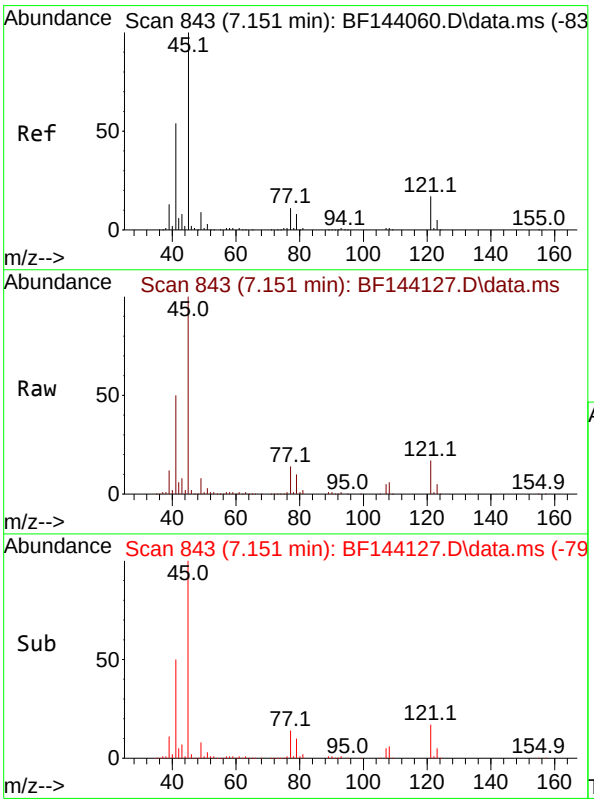
Ion	Ratio	Lower	Upper
79	100		
108	68.4	54.8	82.2
77	61.0	49.4	74.0

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

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

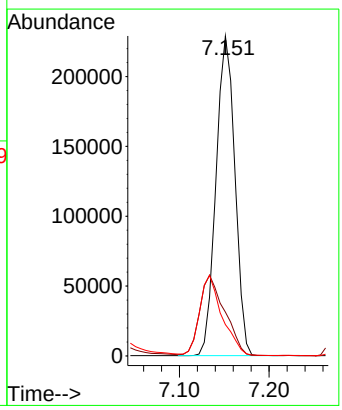


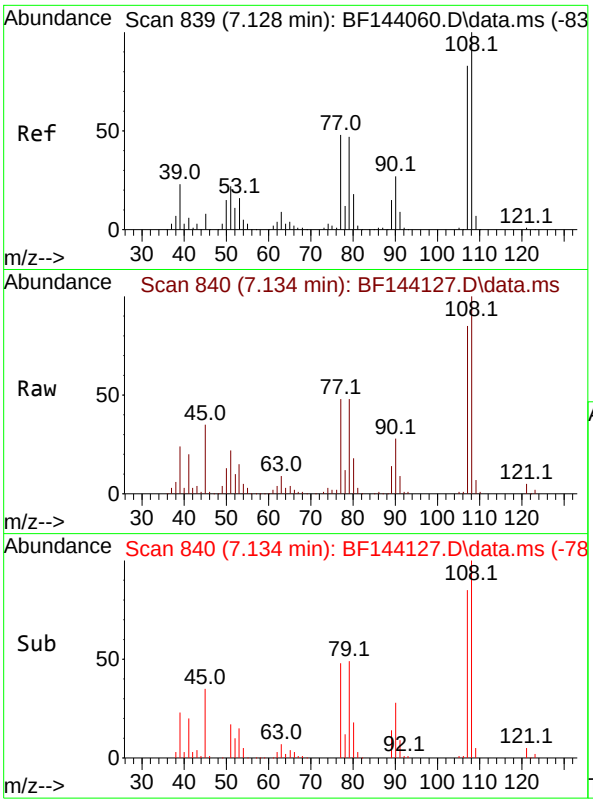


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.205 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 45 Resp: 334193

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	30.9
79	9.8	0.0	28.2

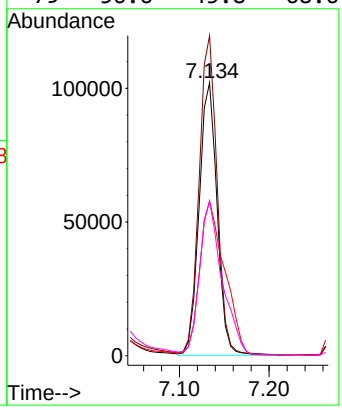




#17
2-Methylphenol
Concen: 49.954 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:107 Resp: 14176

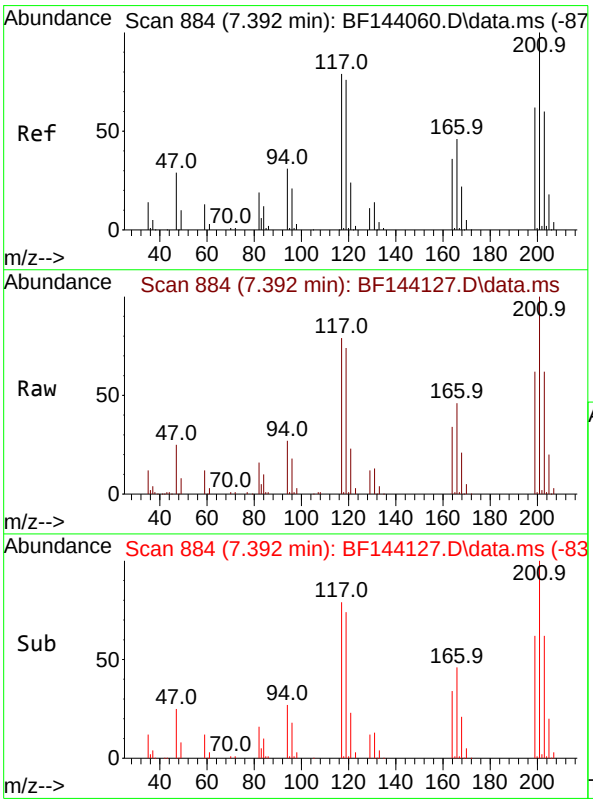
Ion	Ratio	Lower	Upper
107	100		
108	117.2	96.4	144.6
77	56.7	46.8	70.2
79	56.6	45.8	68.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

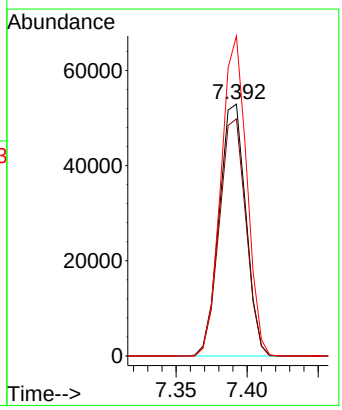
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

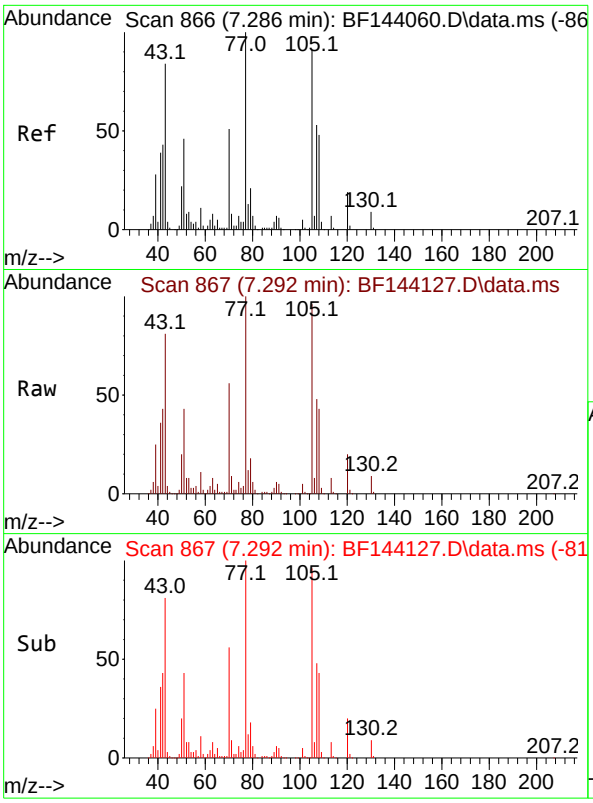


#18
Hexachloroethane
Concen: 43.065 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:117 Resp: 69063

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
201	127.1	100.9	151.3

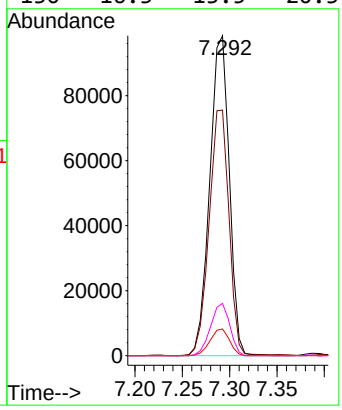




#19
n-Nitroso-di-n-propylamine
Concen: 52.658 ng
RT: 7.292 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 70 Resp: 14090

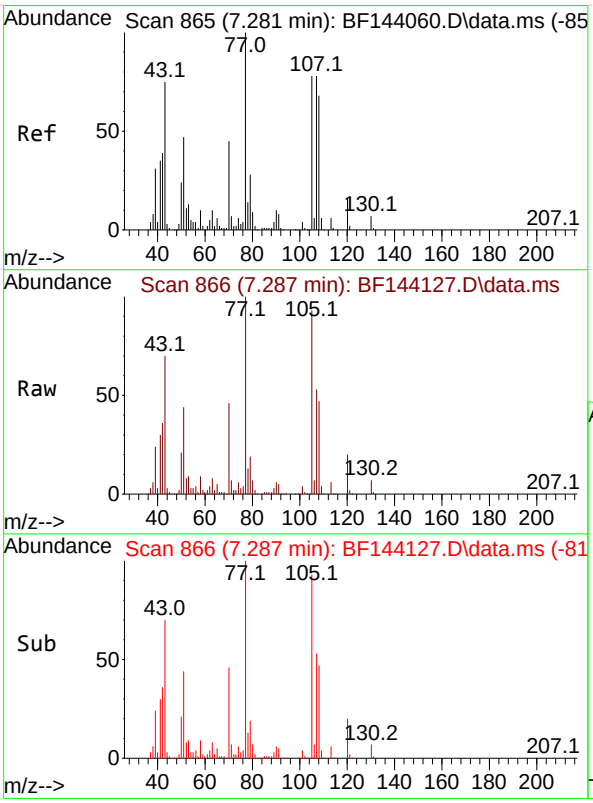
Ion	Ratio	Lower	Upper
70	100		
42	76.8	67.4	101.0
101	8.3	7.1	10.7
130	16.3	13.5	20.3



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

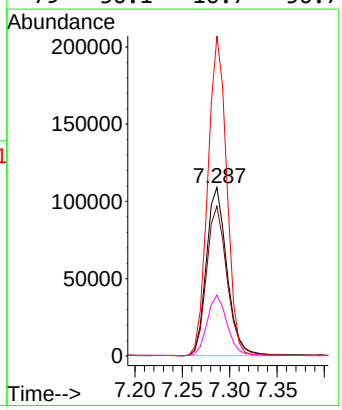
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

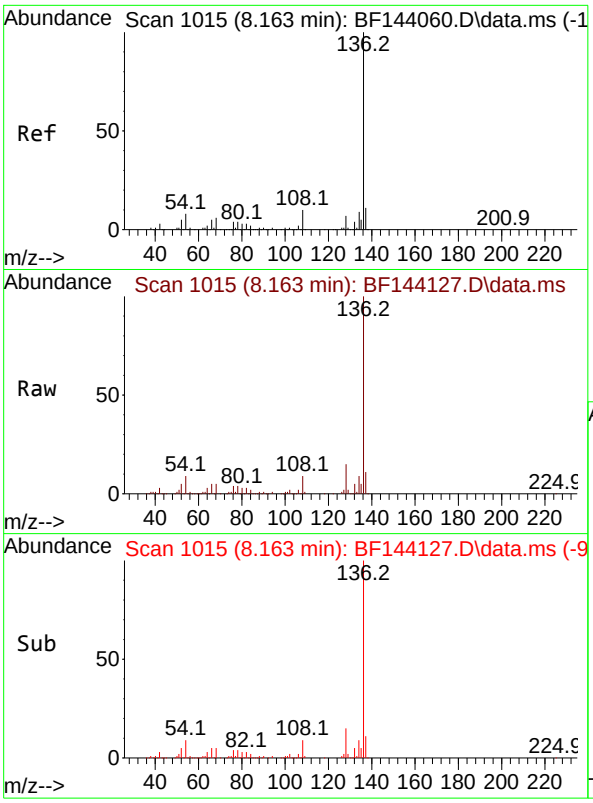


#20
3+4-Methylphenols
Concen: 49.069 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:107 Resp: 164615

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.0	108.0
77	189.9	108.7	148.7#
79	36.1	16.7	56.7

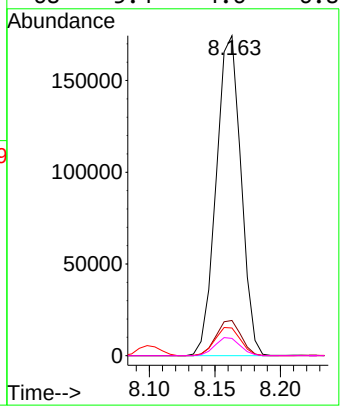




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:136 Resp: 22906

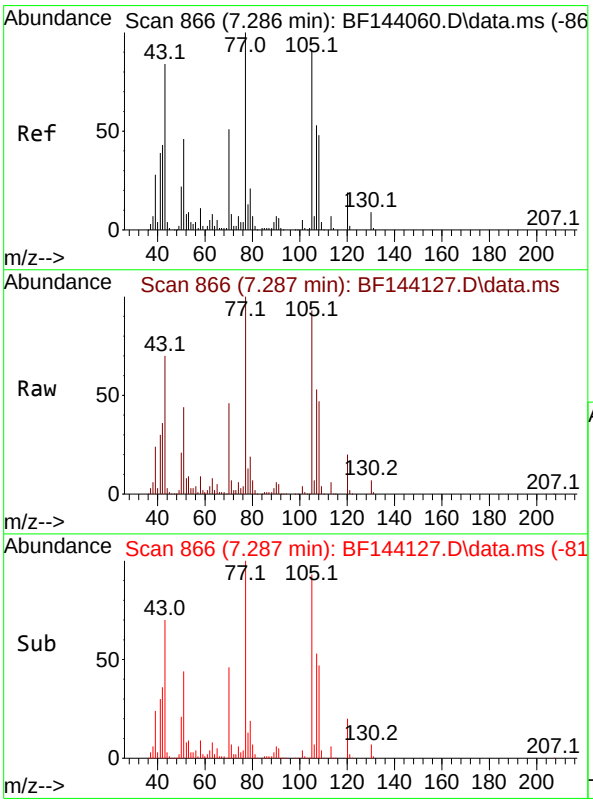
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.7	6.6	9.8
68	5.4	4.6	6.8



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

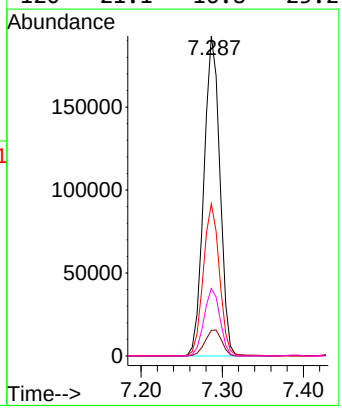
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

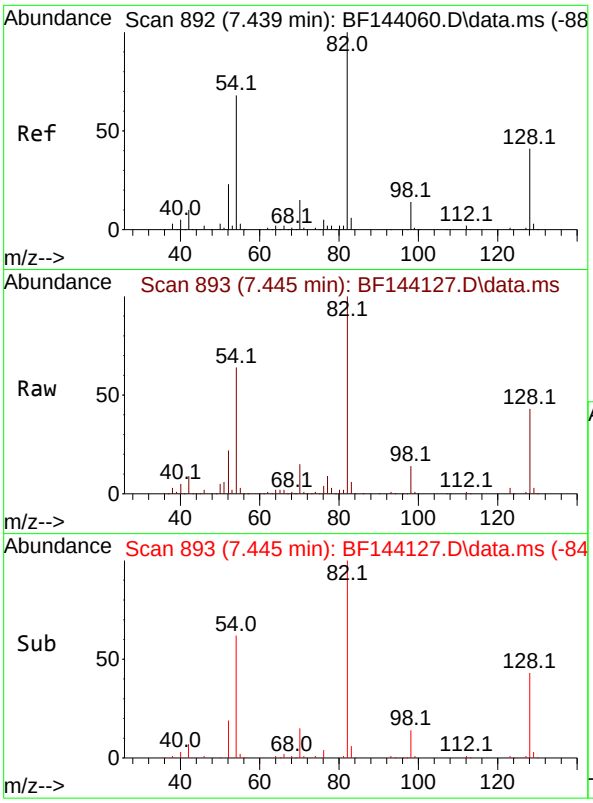


#22
Acetophenone
Concen: 53.479 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:105 Resp: 264741

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.9	10.3
51	47.6	40.6	60.8
120	21.1	16.8	25.2

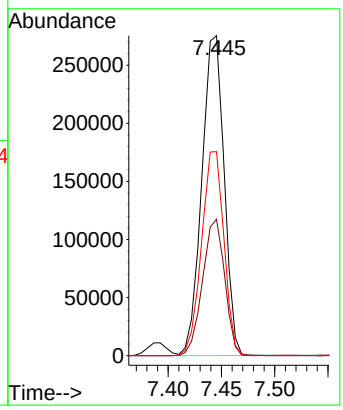




#23
Nitrobenzene-d5
Concen: 95.934 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 82 Resp: 40109

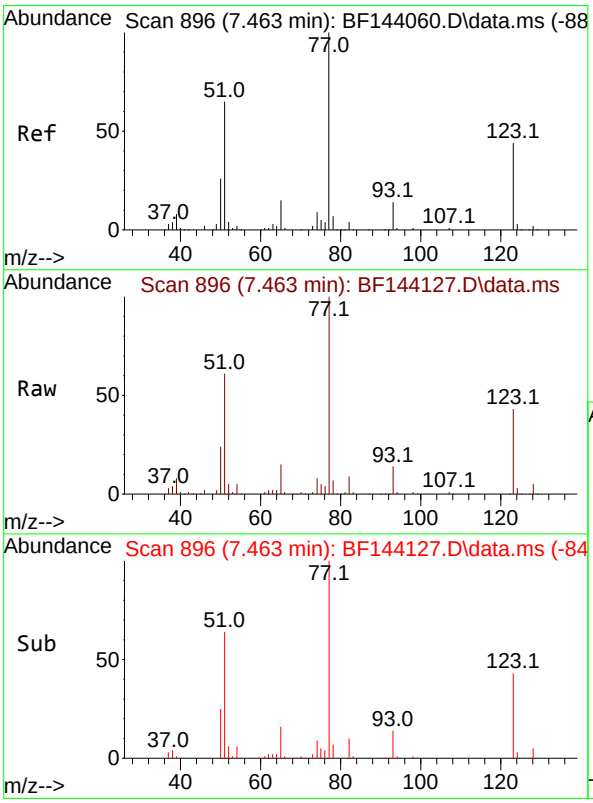
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.4	48.6
54	63.8	54.0	81.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

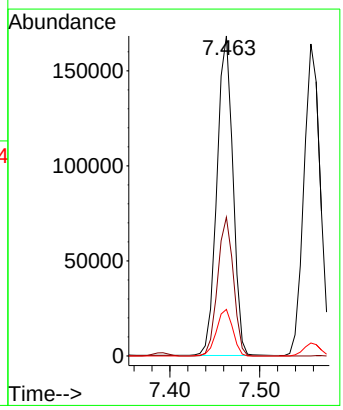
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

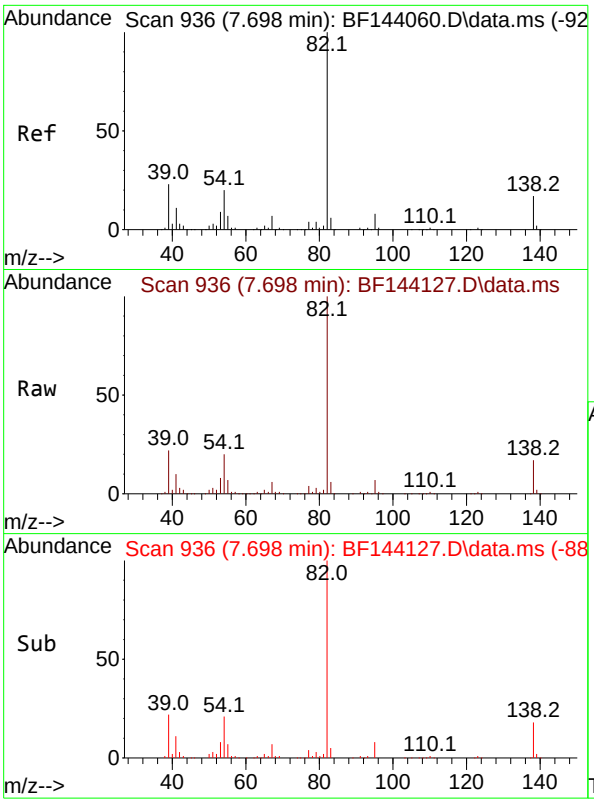


#24
Nitrobenzene
Concen: 47.030 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 77 Resp: 208006

Ion	Ratio	Lower	Upper
77	100		
123	43.3	35.0	52.6
65	14.6	12.2	18.2

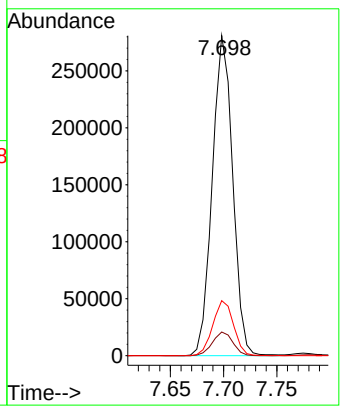




#25
Isophorone
Concen: 51.233 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 82 Resp: 37449

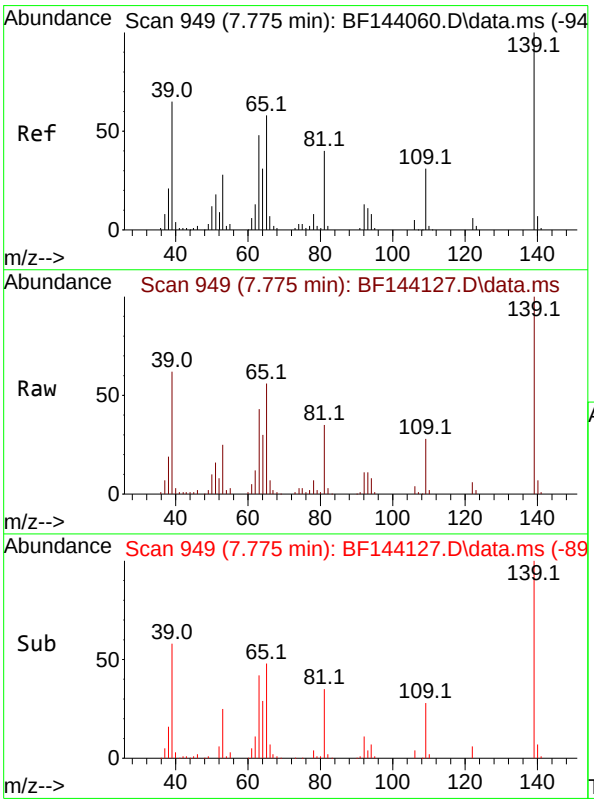
Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.6	9.8
138	17.2	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

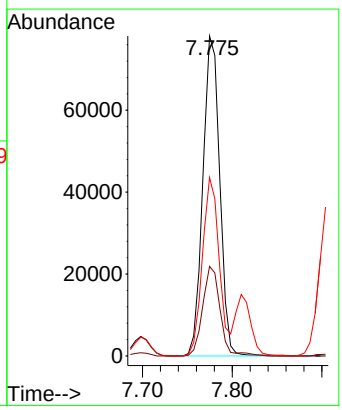
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

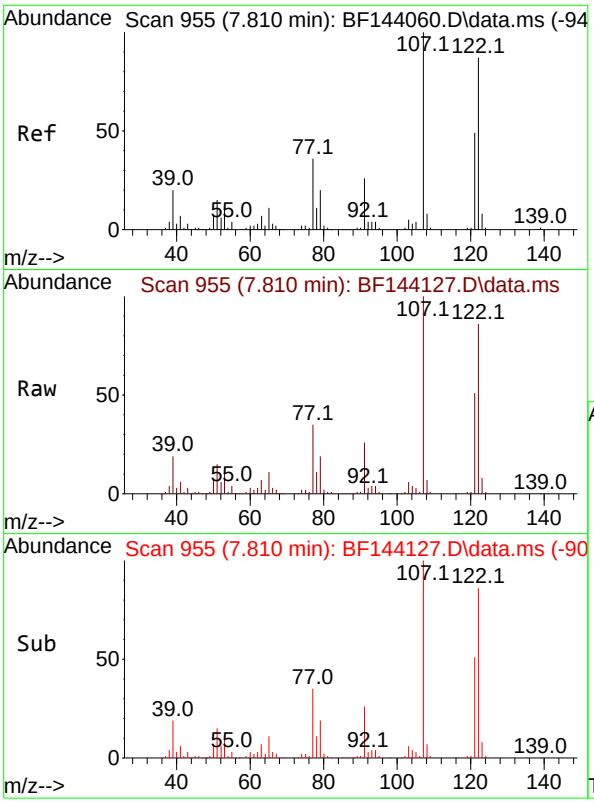


#26
2-Nitrophenol
Concen: 48.429 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:139 Resp: 101895

Ion	Ratio	Lower	Upper
139	100		
109	28.0	24.6	37.0
65	55.8	46.6	69.8

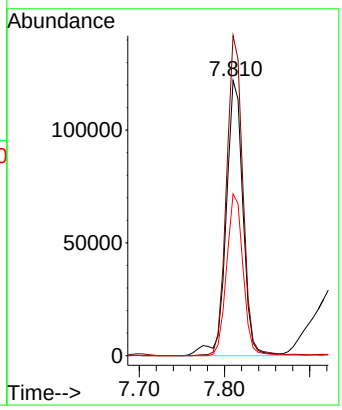




#27
2,4-Dimethylphenol
Concen: 53.591 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:122 Resp: 16756

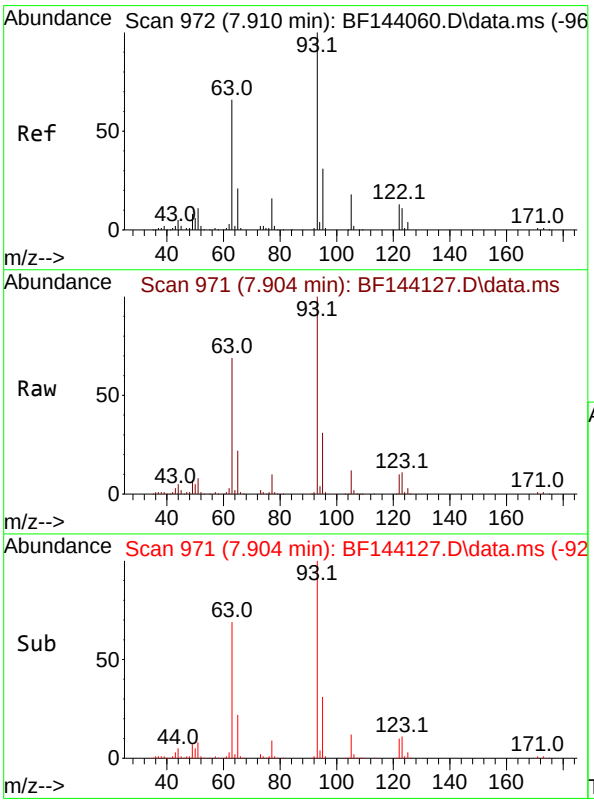
Ion	Ratio	Lower	Upper
122	100		
107	116.3	91.8	137.8
121	58.8	45.2	67.8



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

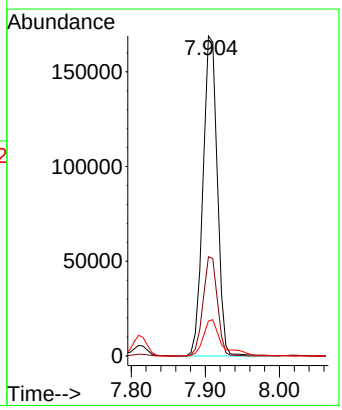
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

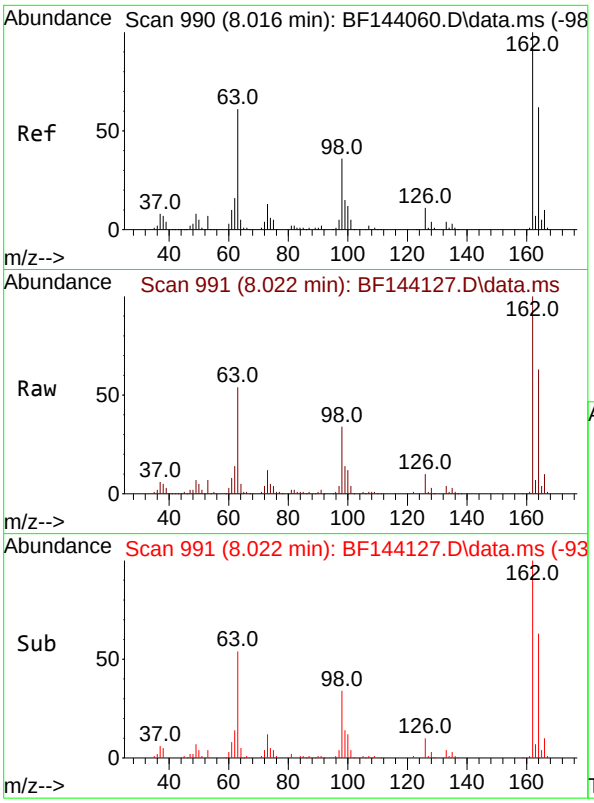


#28
bis(2-Chloroethoxy)methane
Concen: 49.974 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 93 Resp: 227803

Ion	Ratio	Lower	Upper
93	100		
95	31.0	24.6	36.8
123	10.9	9.1	13.7

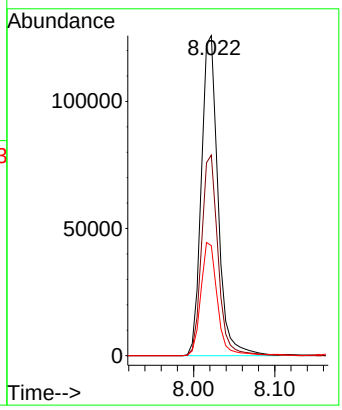




#29
2,4-Dichlorophenol
Concen: 49.382 ng
RT: 8.022 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:162 Resp: 17955

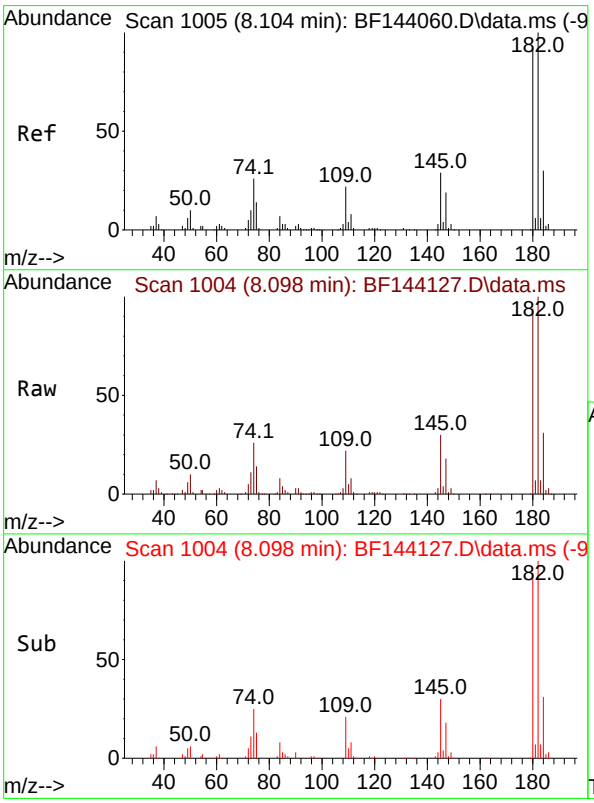
Ion	Ratio	Lower	Upper
162	100		
164	62.7	42.1	82.1
98	34.4	16.0	56.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

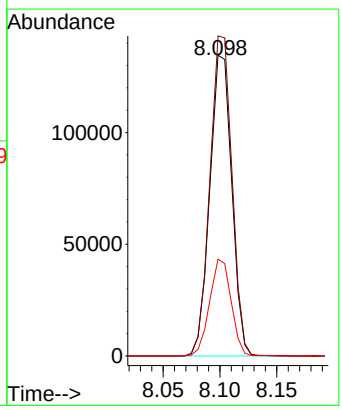
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

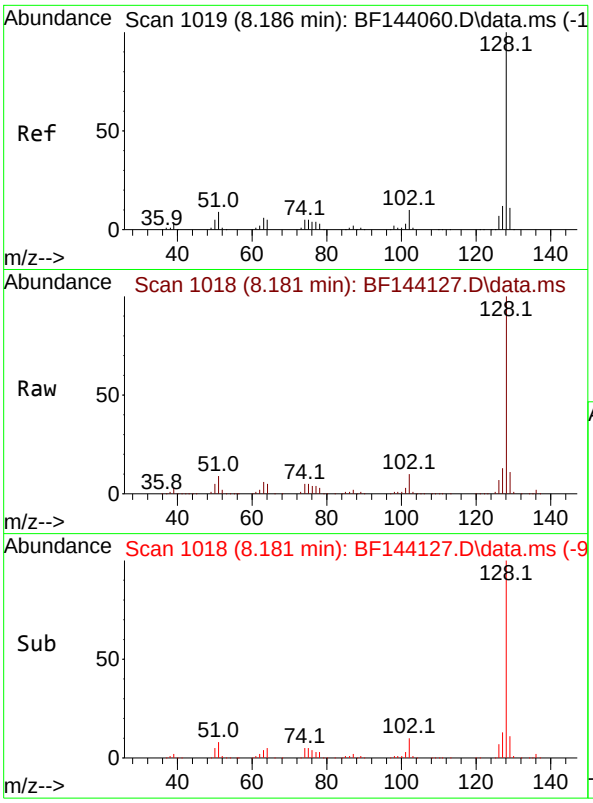


#30
1,2,4-Trichlorobenzene
Concen: 48.547 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:180 Resp: 181601

Ion	Ratio	Lower	Upper
180	100		
182	106.4	87.1	130.7
145	32.2	25.3	37.9

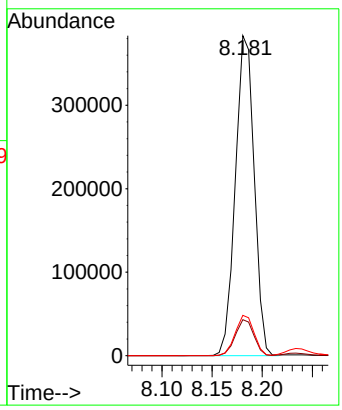




#31
Naphthalene
Concen: 46.497 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:128 Resp: 50268

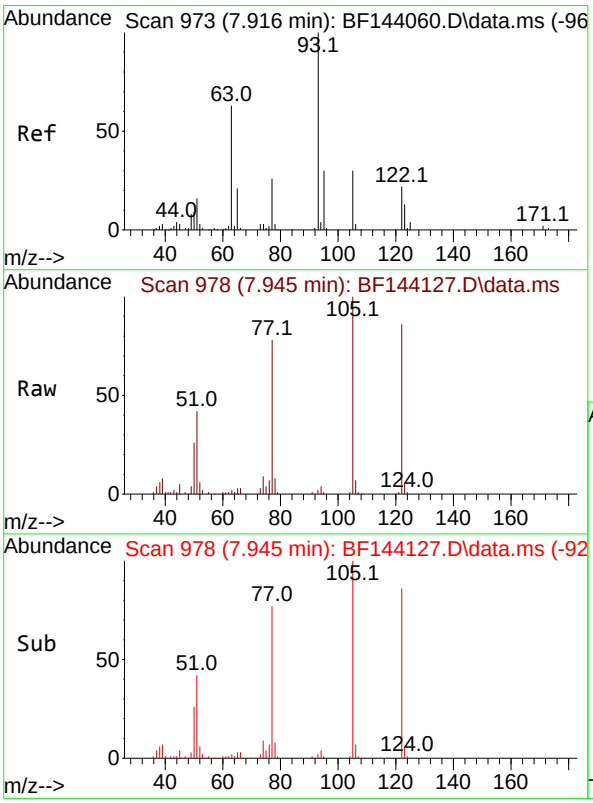
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.4	12.6
127	12.6	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

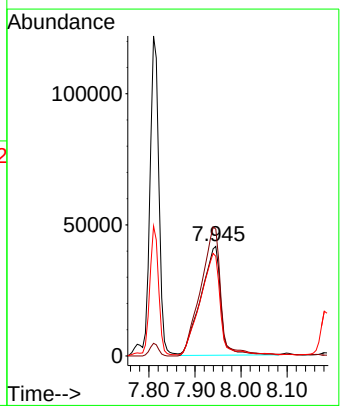
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

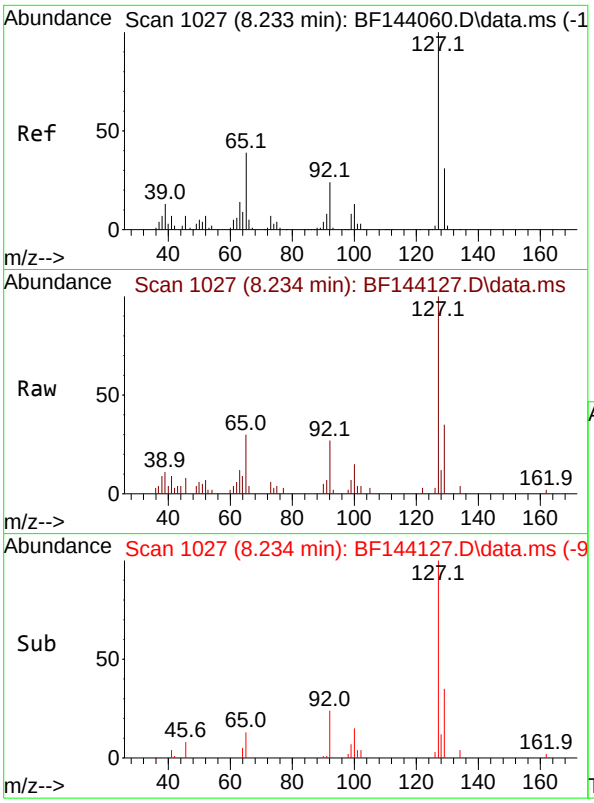


#32
Benzoic acid
Concen: 63.428 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.029 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:122 Resp: 125796

Ion	Ratio	Lower	Upper
122	100		
105	115.7	111.3	151.3
77	90.8	96.7	136.7#

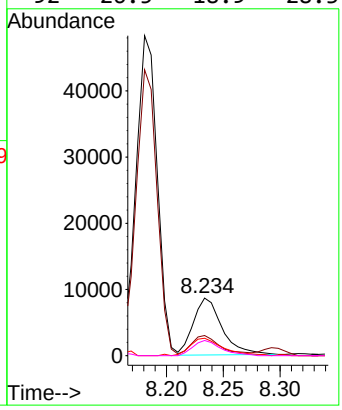




#33
4-Chloroaniline
Concen: 4.007 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:127 Resp: 1508

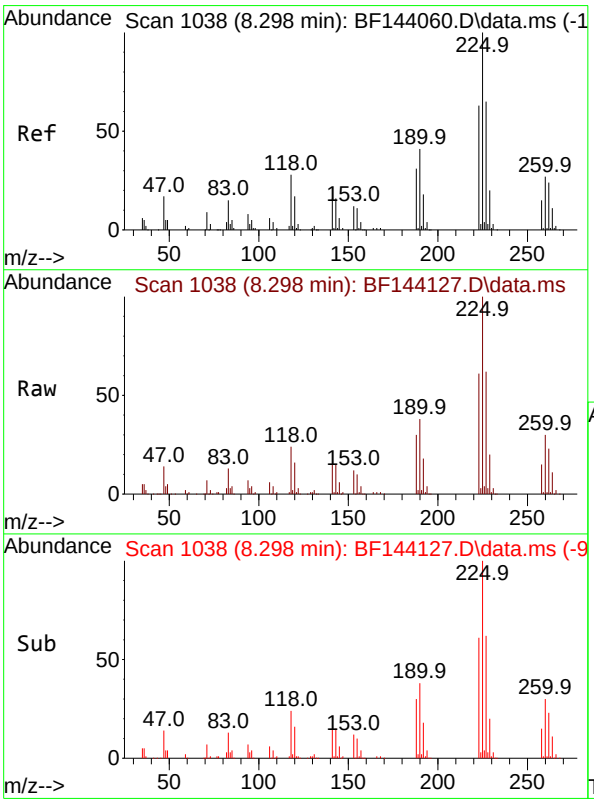
Ion	Ratio	Lower	Upper
127	100		
129	35.1	25.6	38.4
65	30.3	30.9	46.3#
92	26.5	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

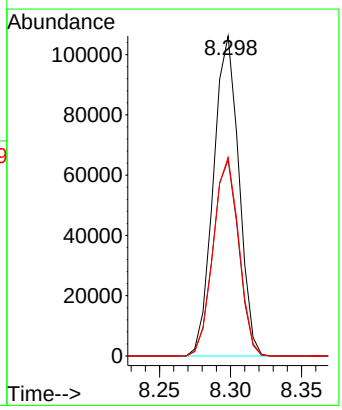
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

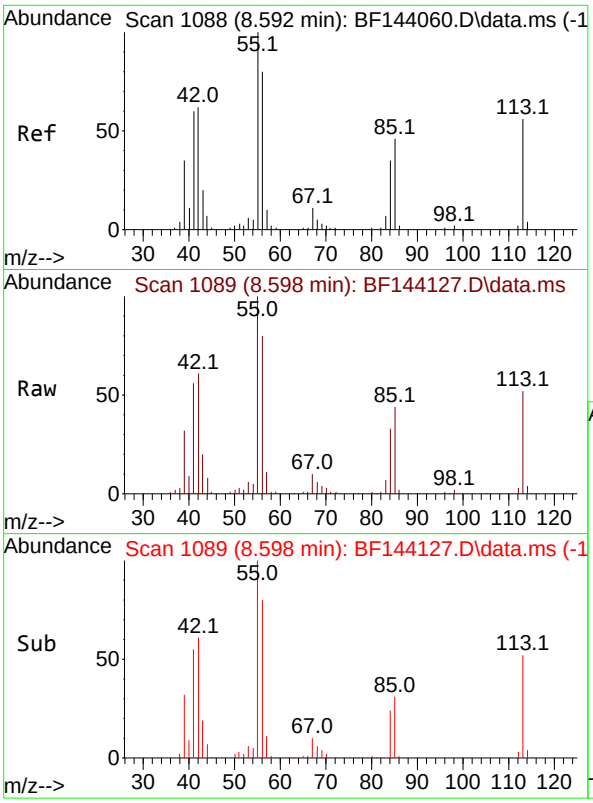


#34
Hexachlorobutadiene
Concen: 43.214 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:225 Resp: 132182

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.6	76.0
227	62.0	51.8	77.8

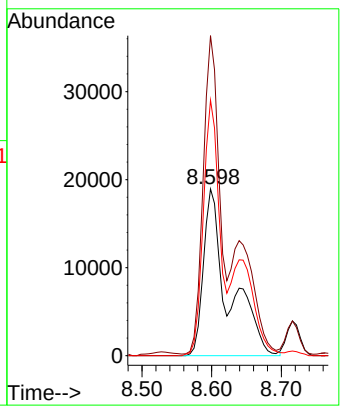




#35
Caprolactam
Concen: 52.123 ng m
RT: 8.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:113 Resp: 4752

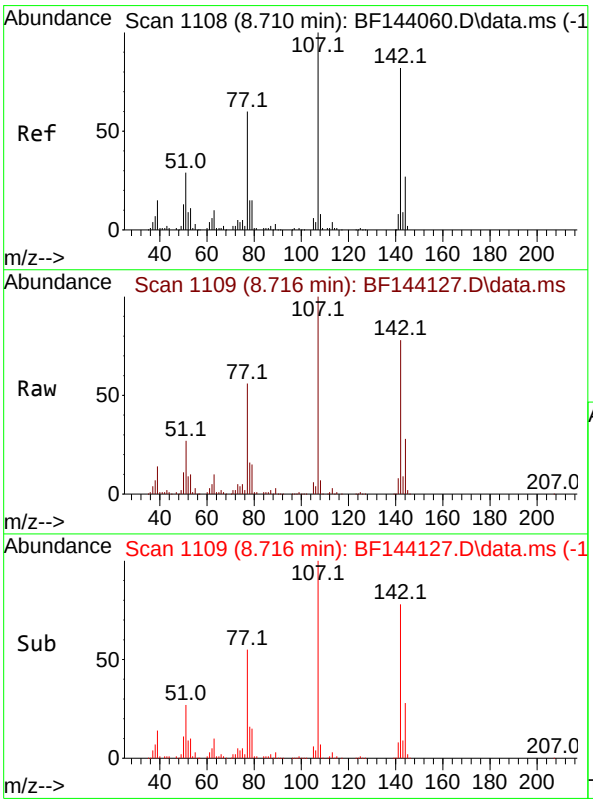
Ion	Ratio	Lower	Upper
113	100		
55	192.0	160.1	200.1
56	153.3	124.9	164.9



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

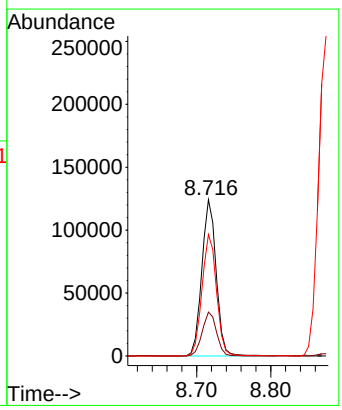
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

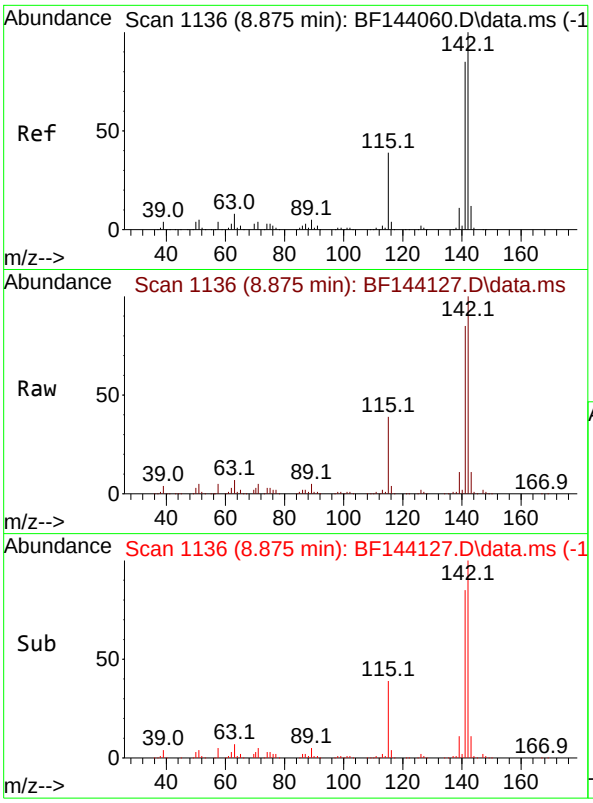


#36
4-Chloro-3-methylphenol
Concen: 52.147 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:107 Resp: 167327

Ion	Ratio	Lower	Upper
107	100		
144	28.0	21.6	32.4
142	77.7	65.4	98.0





#37
2-Methylnaphthalene
Concen: 45.457 ng
RT: 8.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

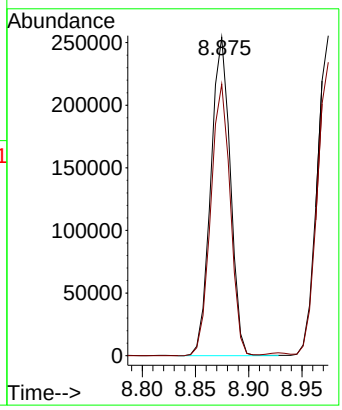
Tgt Ion:142 Resp: 32401

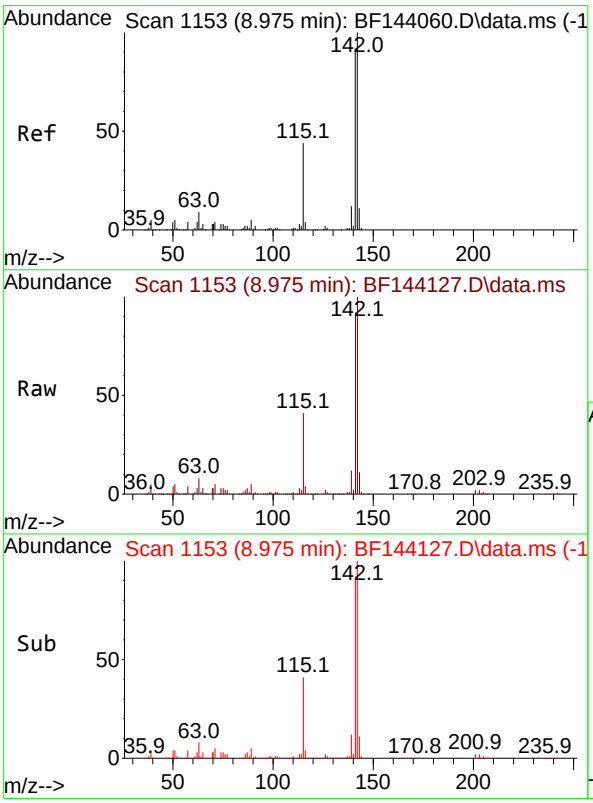
Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.6	101.4

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

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

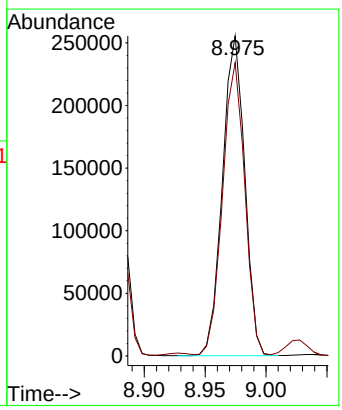


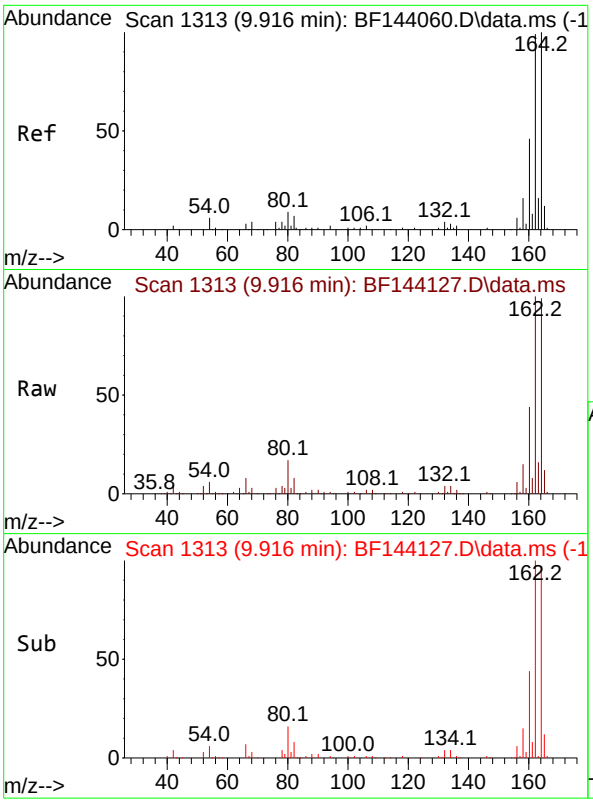


#38
1-Methylnaphthalene
Concen: 48.173 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:142 Resp: 325313

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.2

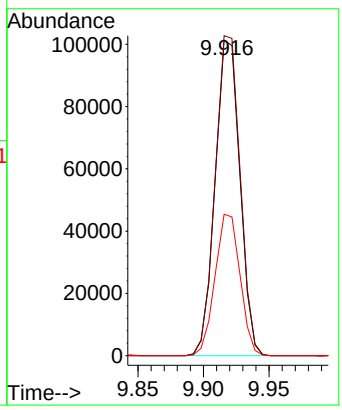




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:164 Resp: 13278

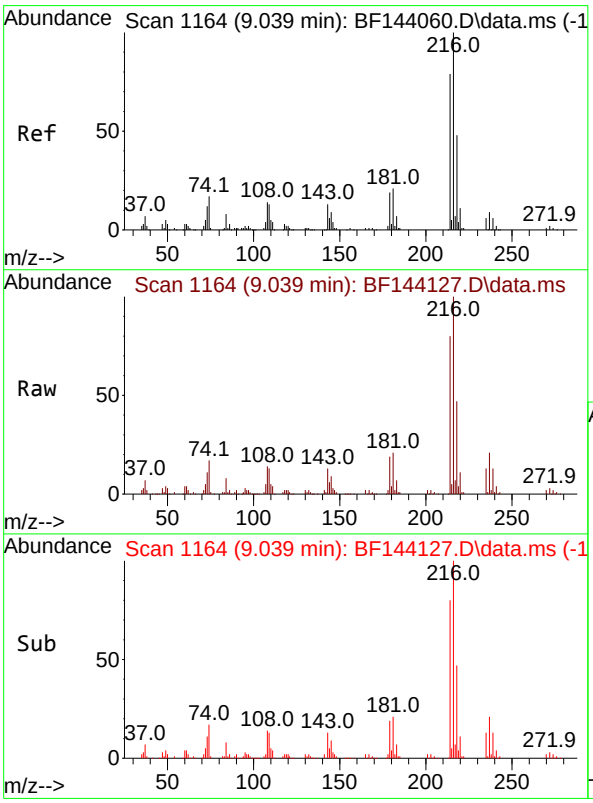
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.4	119.2
160	44.8	36.7	55.1



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations APPROVED

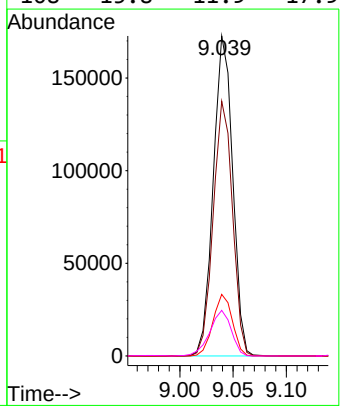
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

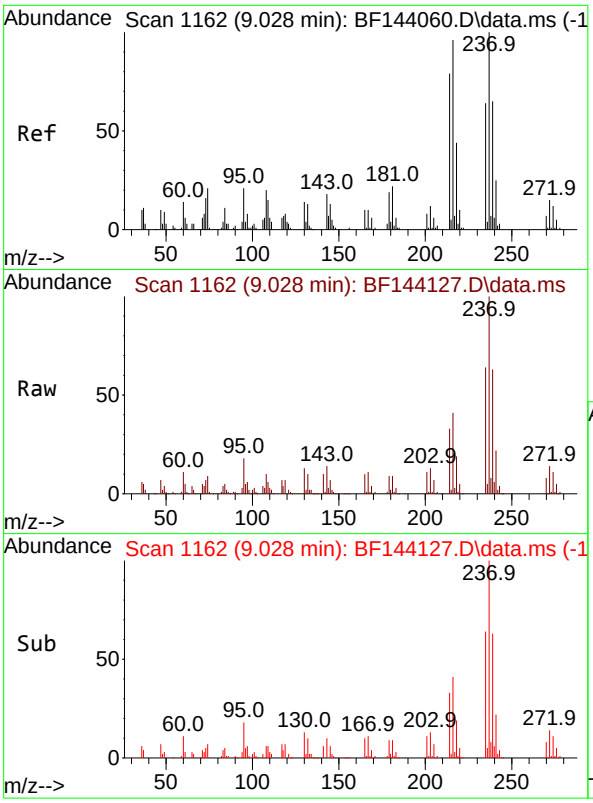


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.923 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:216 Resp: 218705

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.2	94.8
179	19.3	15.2	22.8
108	15.8	11.9	17.9

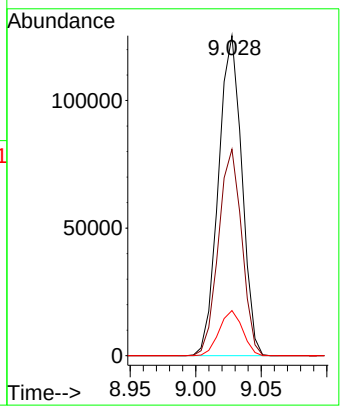




#41
Hexachlorocyclopentadiene
Concen: 110.337 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:237 Resp: 15552

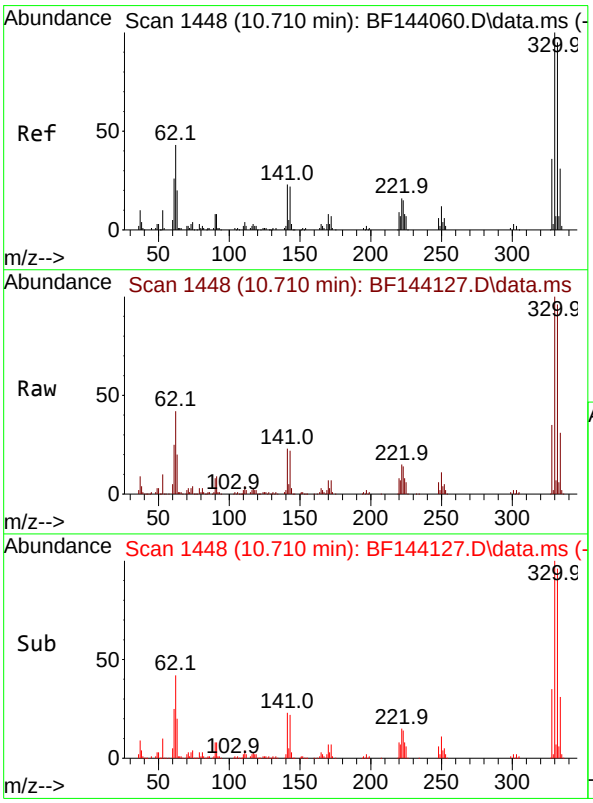
Ion	Ratio	Lower	Upper
237	100		
235	64.5	44.3	84.3
272	14.1	0.0	35.2



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

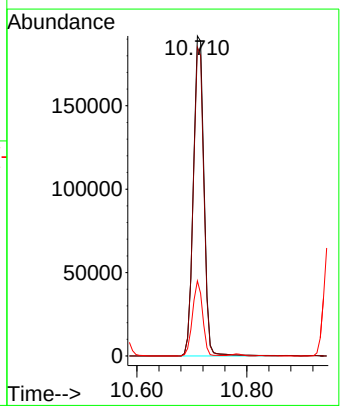
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

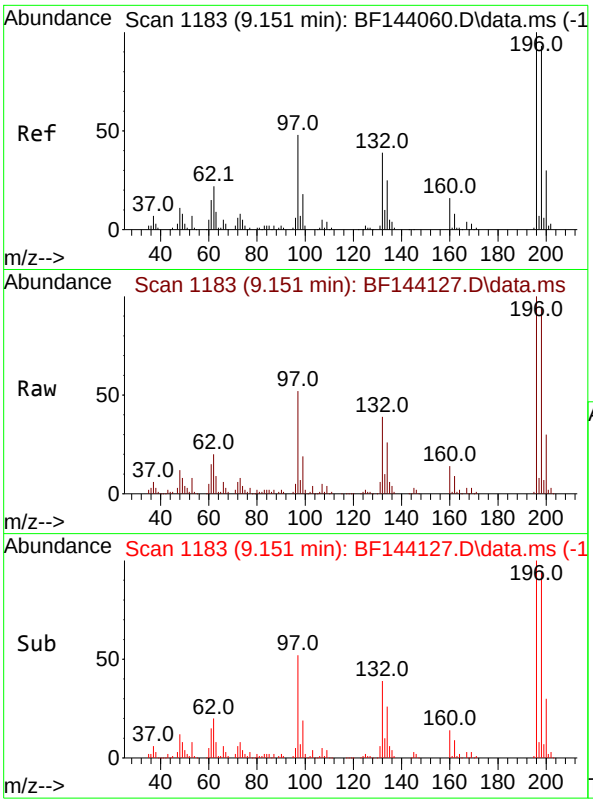


#42
2,4,6-Tribromophenol
Concen: 151.310 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:330 Resp: 255935

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	22.4	19.4	29.0

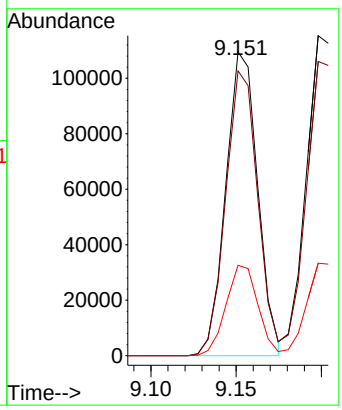




#43
2,4,6-Trichlorophenol
Concen: 48.009 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:196 Resp: 14241

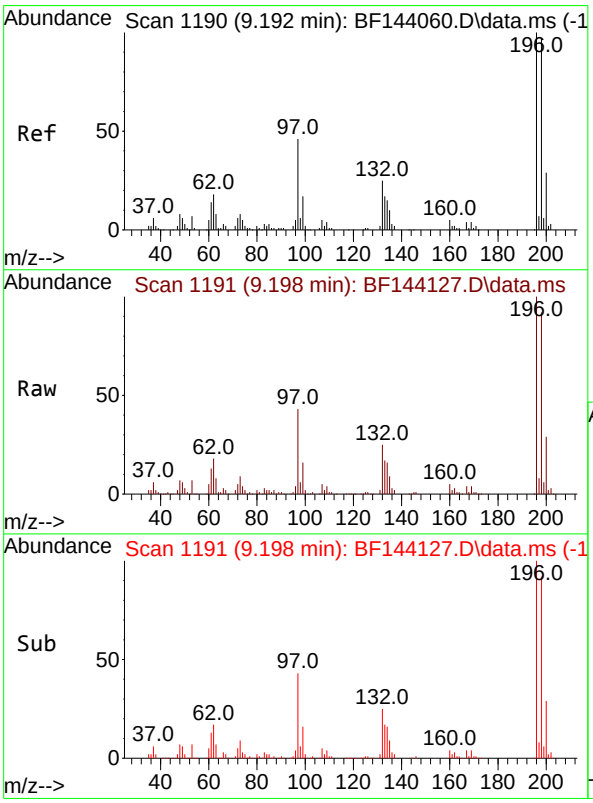
Ion	Ratio	Lower	Upper
196	100		
198	93.7	74.4	111.6
200	29.7	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

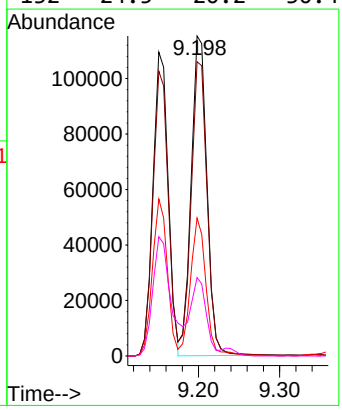
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

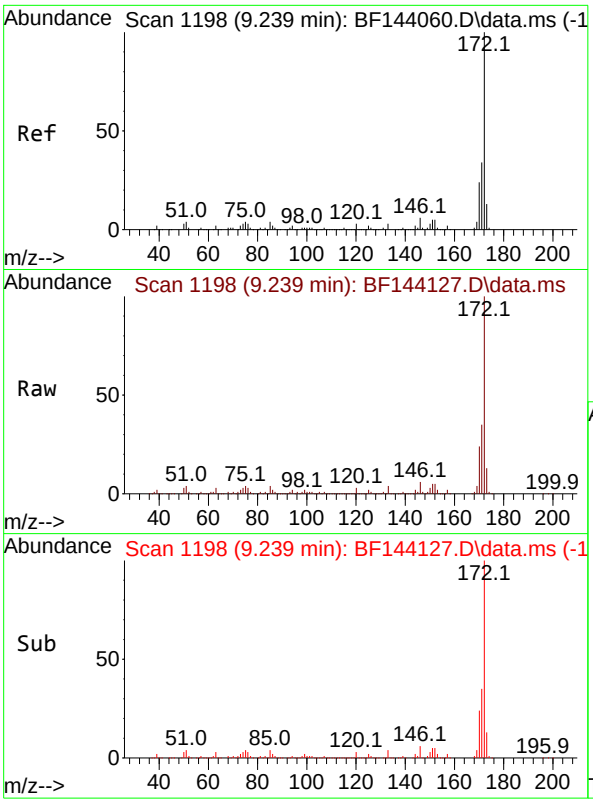


#44
2,4,5-Trichlorophenol
Concen: 50.272 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:196 Resp: 156505

Ion	Ratio	Lower	Upper
196	100		
198	91.9	78.0	117.0
97	43.1	37.7	56.5
132	24.5	20.2	30.4

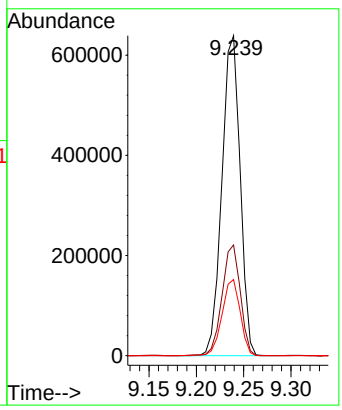




#45
2-Fluorobiphenyl
Concen: 90.811 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:172 Resp: 85691

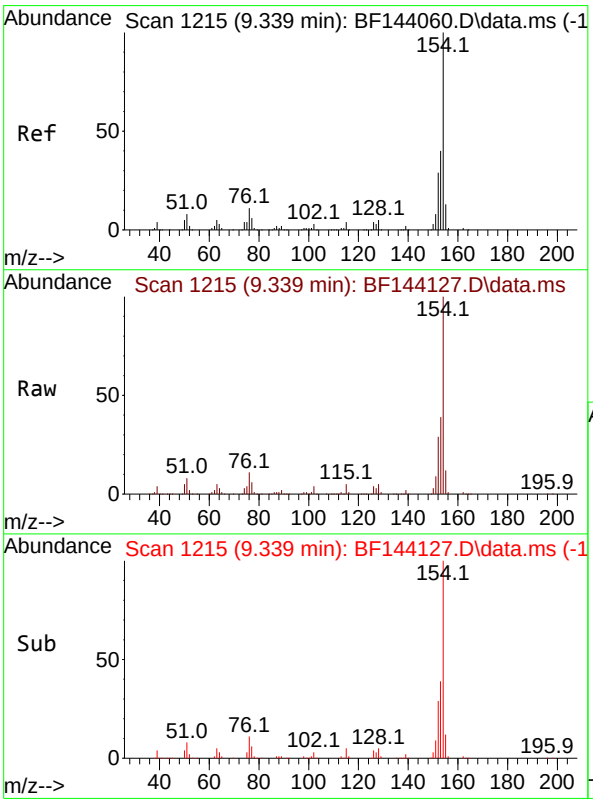
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

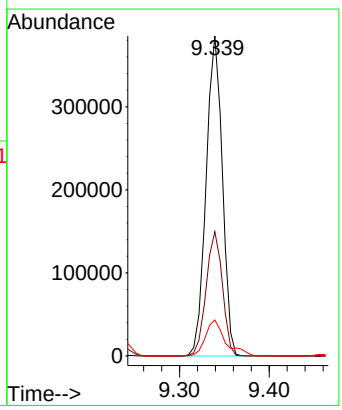
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

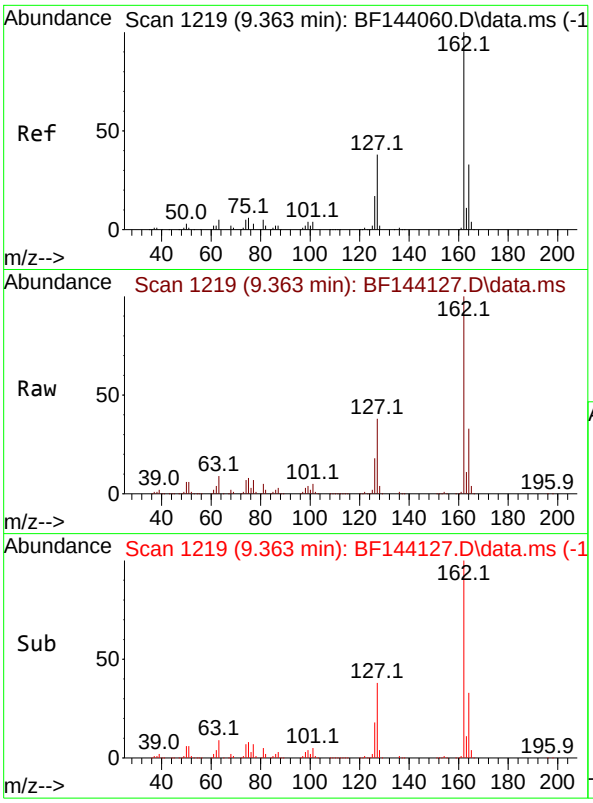


#46
1,1'-Biphenyl
Concen: 50.848 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:154 Resp: 483342

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	11.3	0.0	31.1

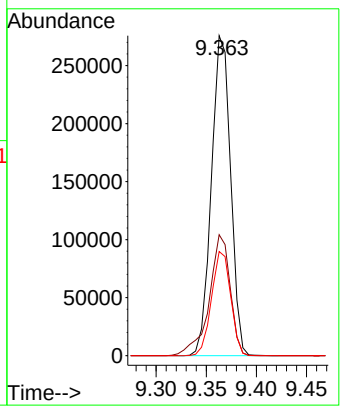




#47
2-Chloronaphthalene
Concen: 46.054 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:162 Resp: 36675

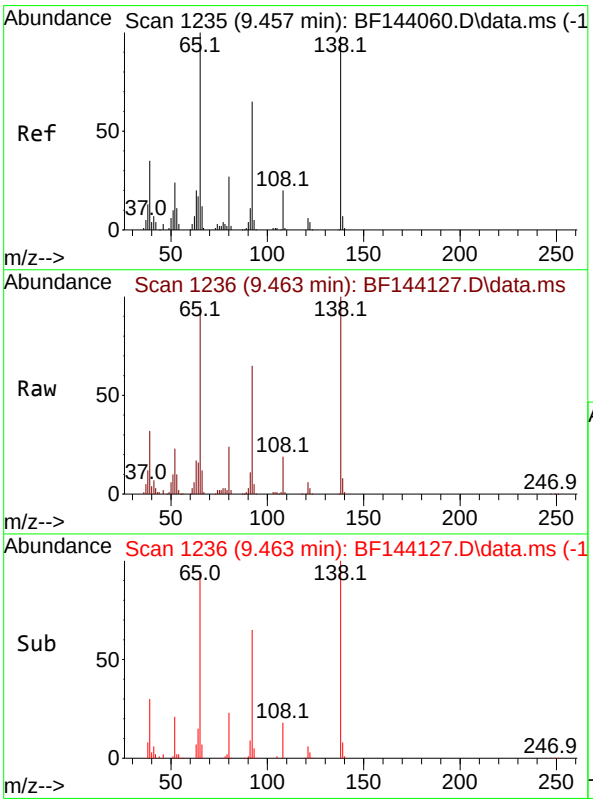
Ion	Ratio	Lower	Upper
162	100		
127	37.8	31.6	47.4
164	32.6	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

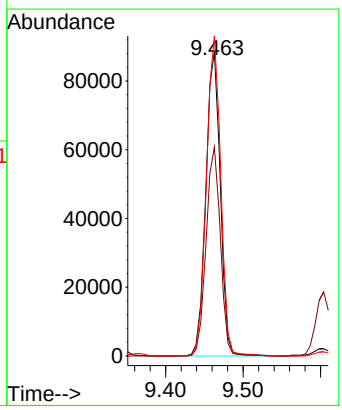
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

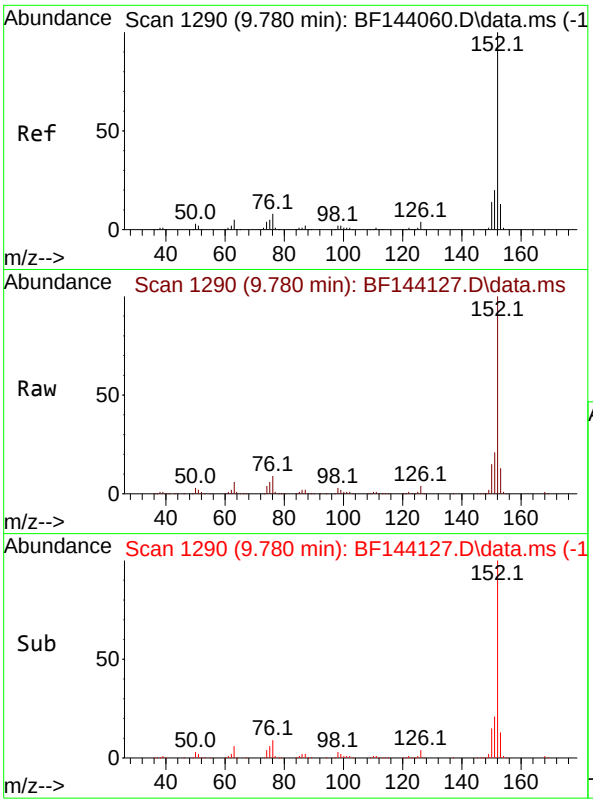


#48
2-Nitroaniline
Concen: 48.487 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 65 Resp: 114659

Ion	Ratio	Lower	Upper
65	100		
92	68.6	52.3	78.5
138	105.1	78.3	117.5

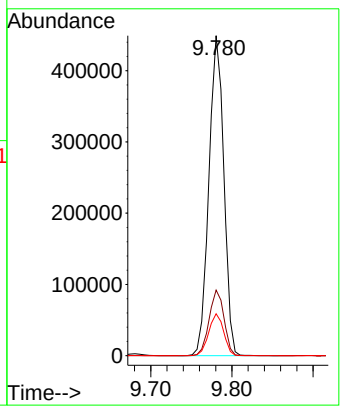




#49
Acenaphthylene
Concen: 53.411 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:152 Resp: 57351

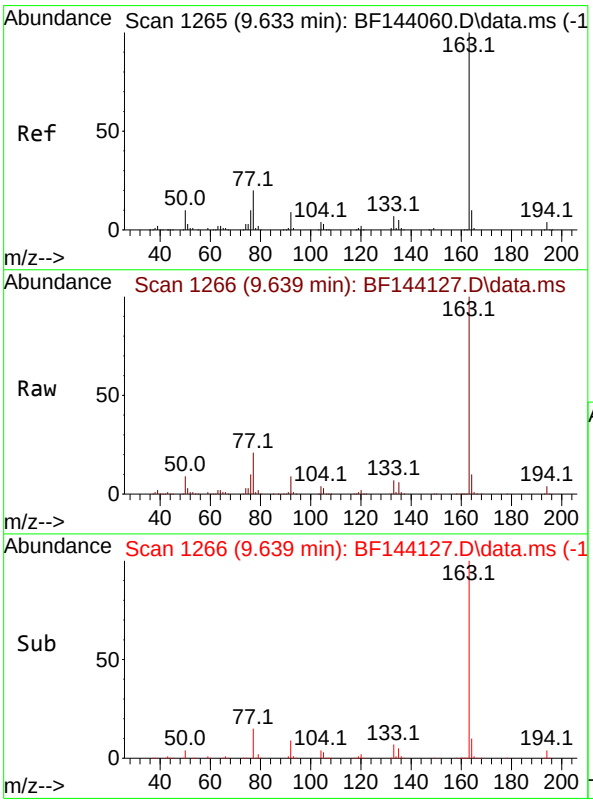
Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.1	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

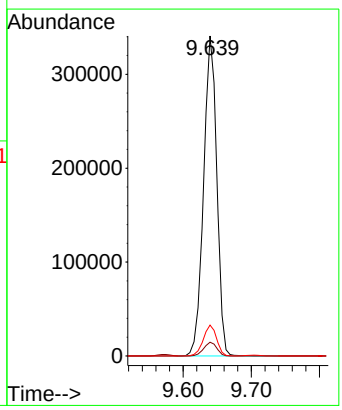
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

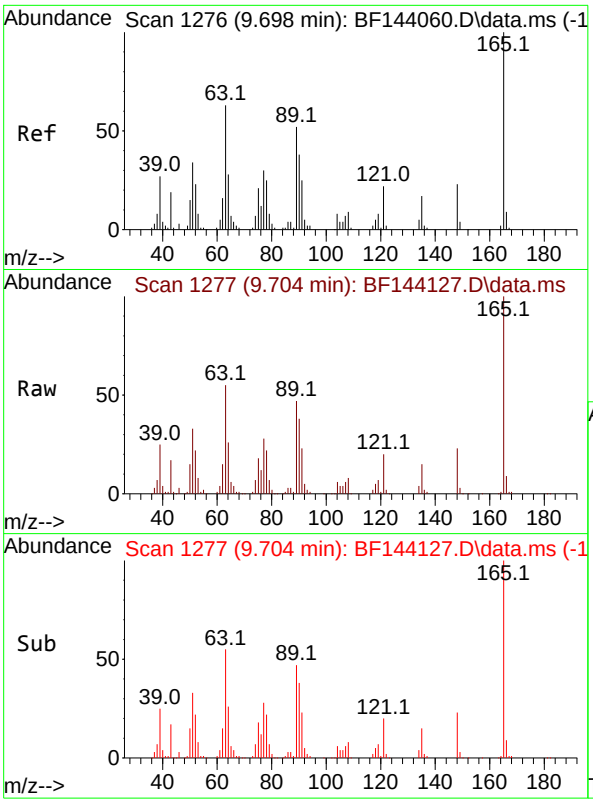


#50
Dimethylphthalate
Concen: 52.858 ng
RT: 9.639 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:163 Resp: 460072

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.7	7.8	11.8

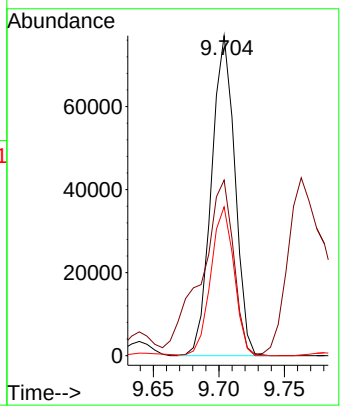




#51
2,6-Dinitrotoluene
Concen: 55.561 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:165 Resp: 9560

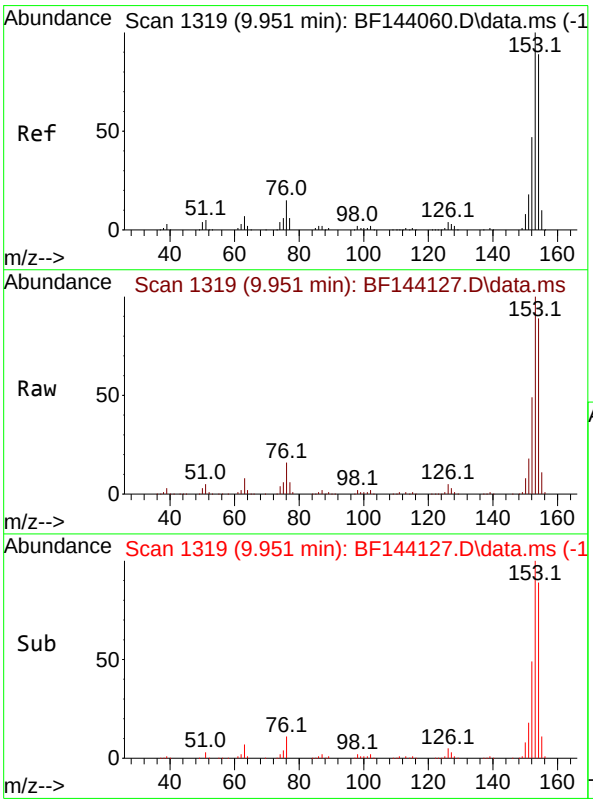
Ion	Ratio	Lower	Upper
165	100		
63	54.8	50.4	75.6
89	46.5	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

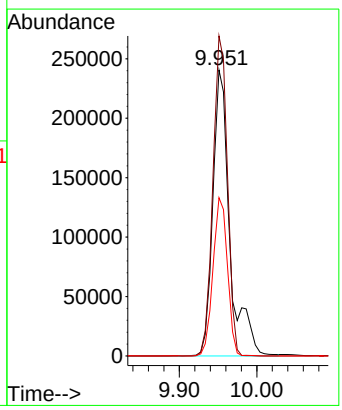
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

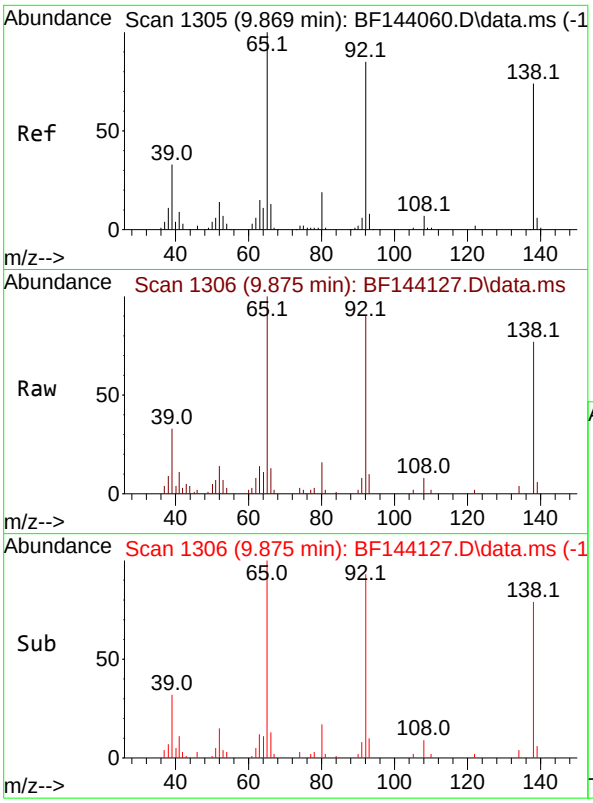


#52
Acenaphthene
Concen: 51.253 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:154 Resp: 367541

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	55.3	42.0	63.0

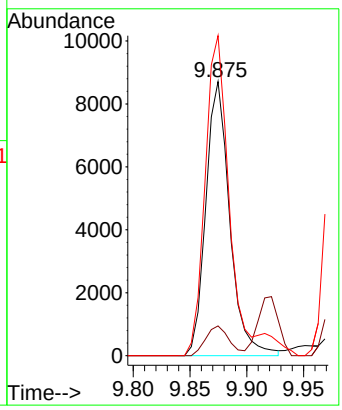




#53
3-Nitroaniline
Concen: 6.675 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

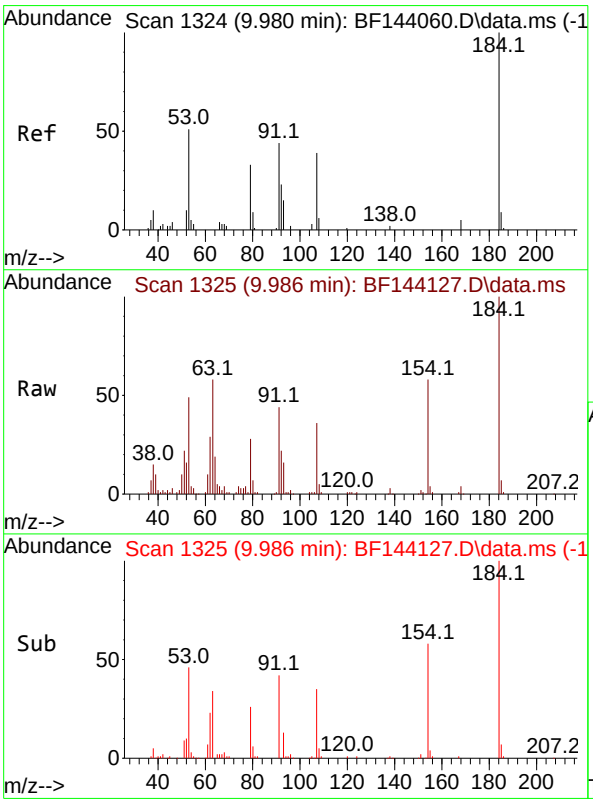
Tgt Ion:138 Resp: 1276

Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.9	11.9
92	116.8	92.0	138.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

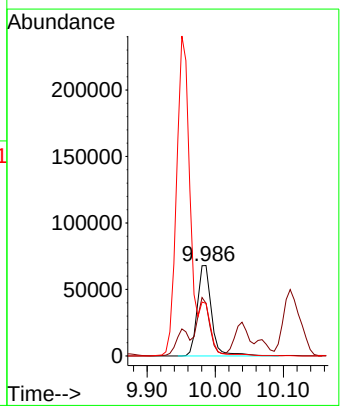
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

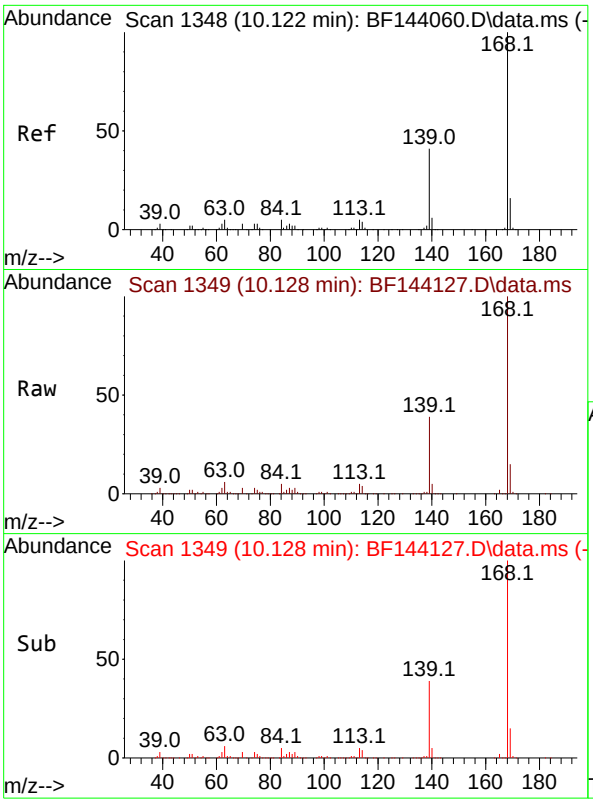


#54
2,4-Dinitrophenol
Concen: 106.495 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:184 Resp: 99111

Ion	Ratio	Lower	Upper
184	100		
63	58.3	52.1	78.1
154	58.3	47.9	71.9

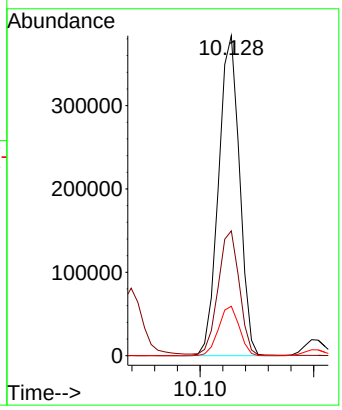




#55
Dibenzofuran
Concen: 49.495 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:168 Resp: 49274

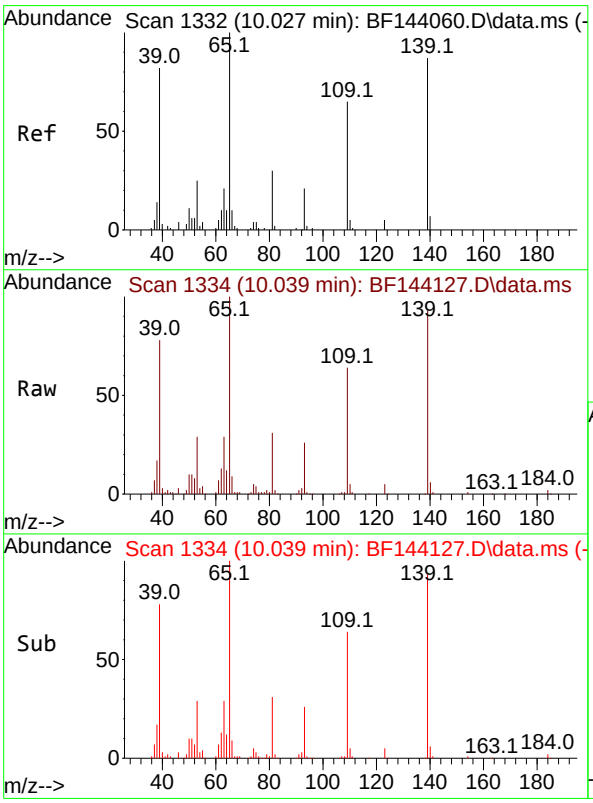
Ion	Ratio	Lower	Upper
168	100		
139	39.0	33.2	49.8
169	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

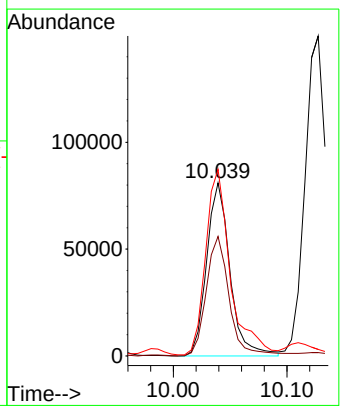
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

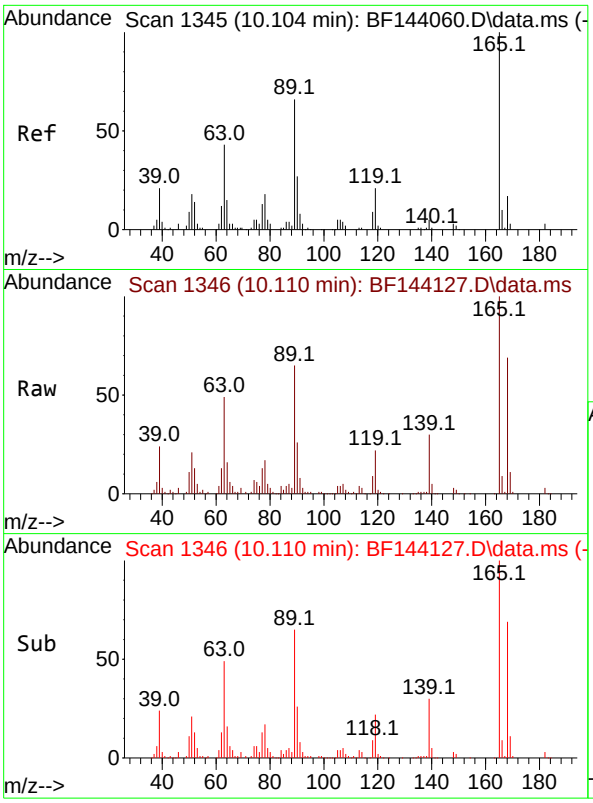


#56
4-Nitrophenol
Concen: 89.192 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.012 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:139 Resp: 115546

Ion	Ratio	Lower	Upper
139	100		
109	69.0	53.8	93.8
65	107.8	95.9	135.9

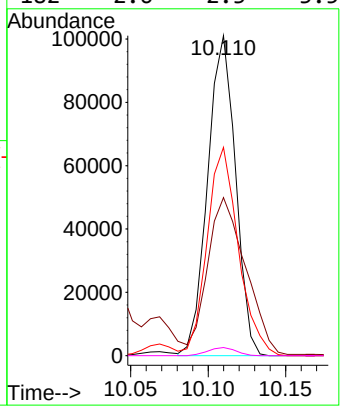




#57
2,4-Dinitrotoluene
Concen: 54.501 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:165 Resp: 12657

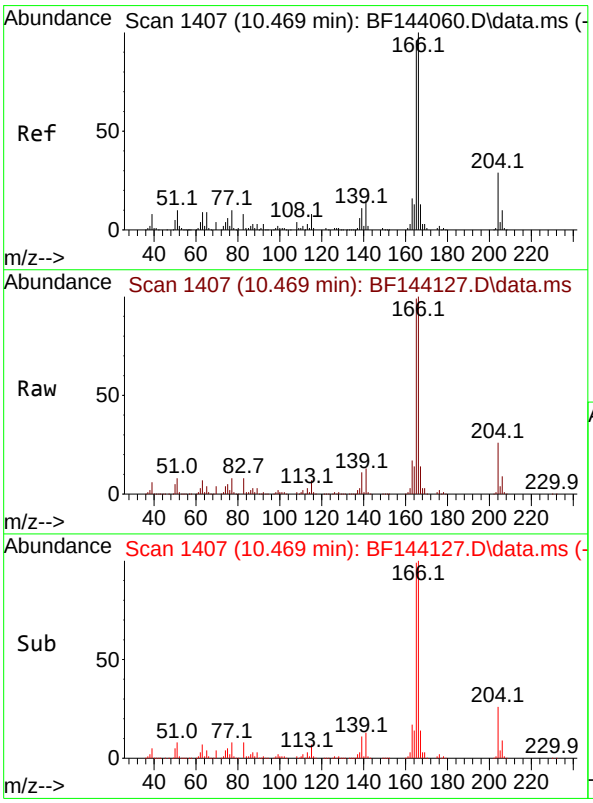
Ion	Ratio	Lower	Upper
165	100		
63	49.4	35.4	53.2
89	65.1	52.7	79.1
182	2.6	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

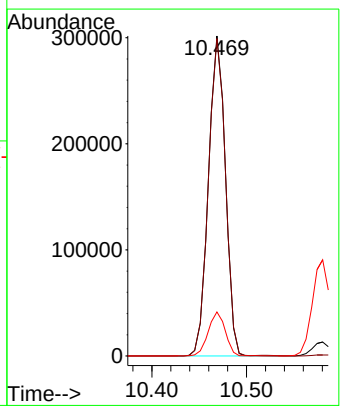
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

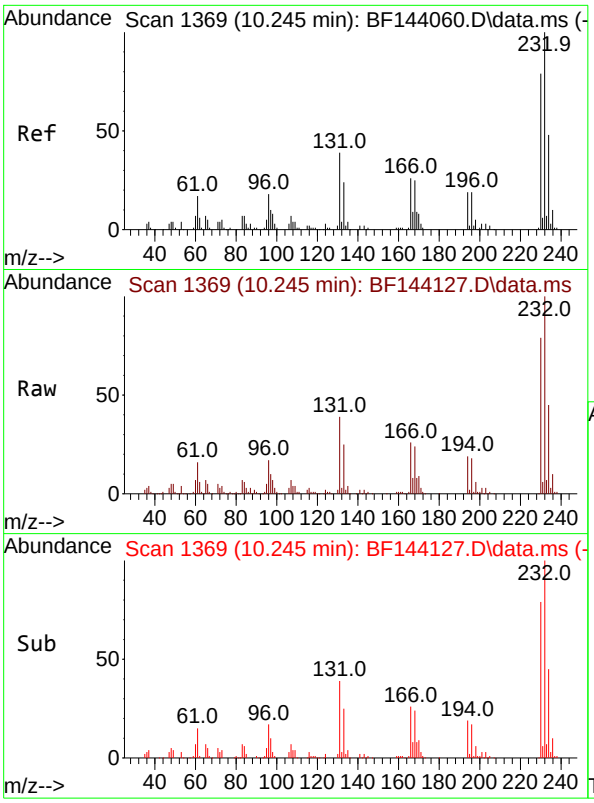


#58
Fluorene
Concen: 49.399 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:166 Resp: 374720

Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.0	115.4
167	13.7	10.2	15.4

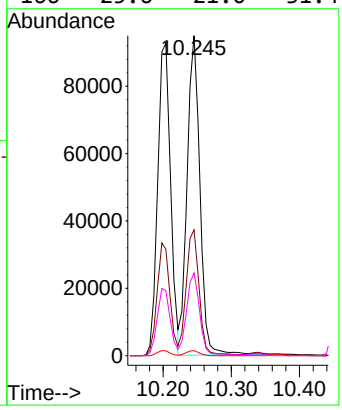




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.246 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:232 Resp: 12339

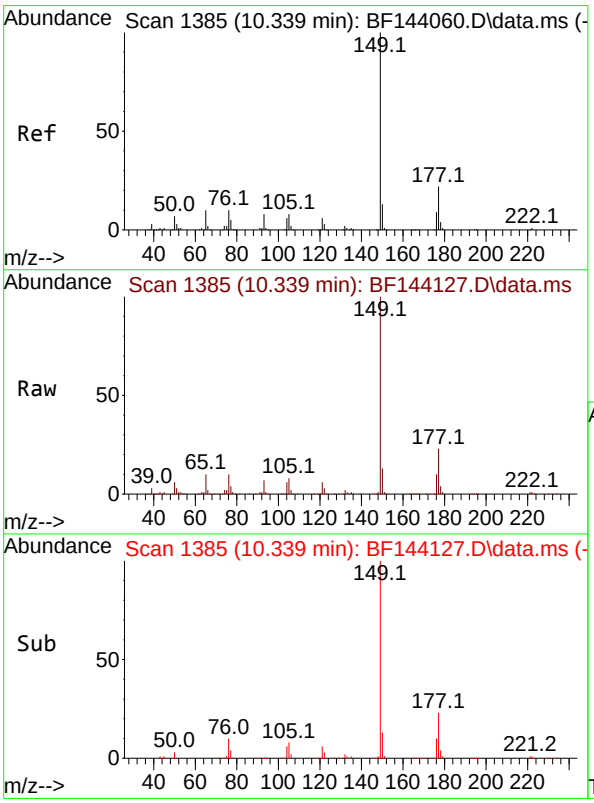
Ion	Ratio	Lower	Upper
232	100		
131	39.0	31.9	47.9
130	1.6	1.1	1.7
166	25.6	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

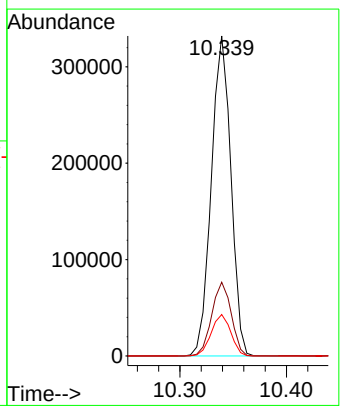
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

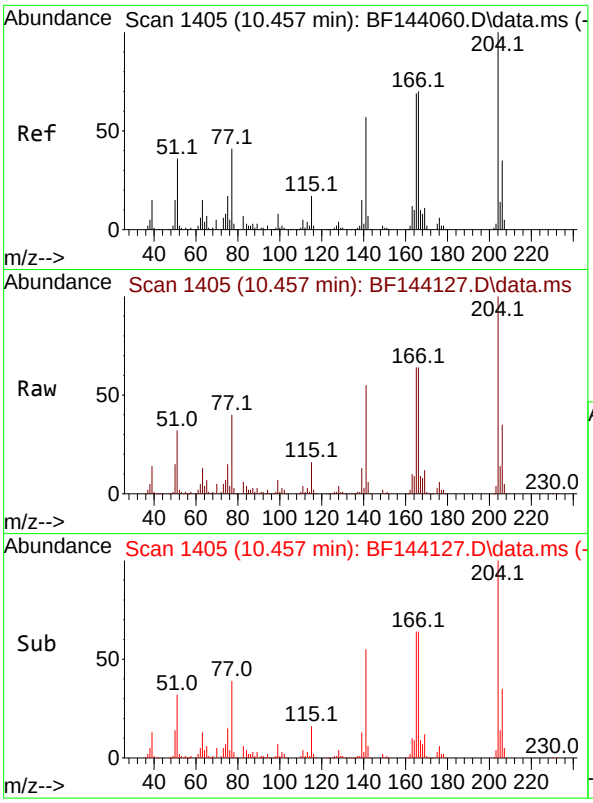


#60
Diethylphthalate
Concen: 51.848 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:149 Resp: 424395

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.8	26.6
150	13.0	10.1	15.1

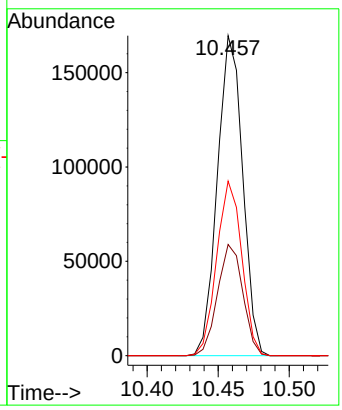




#61
4-Chlorophenyl-phenylether
Concen: 49.168 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:204 Resp: 20974

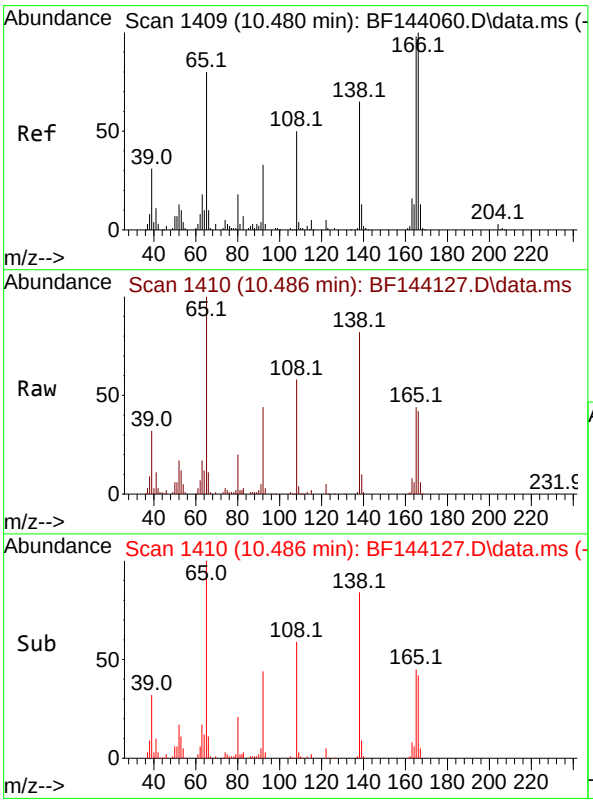
Ion	Ratio	Lower	Upper
204	100		
206	34.8	27.8	41.6
141	54.6	45.4	68.2



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

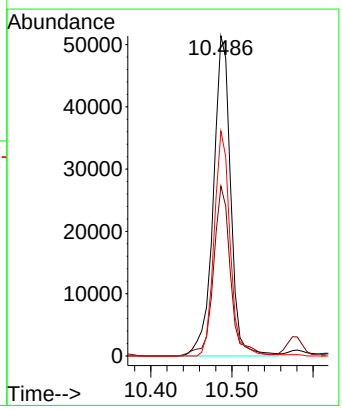
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

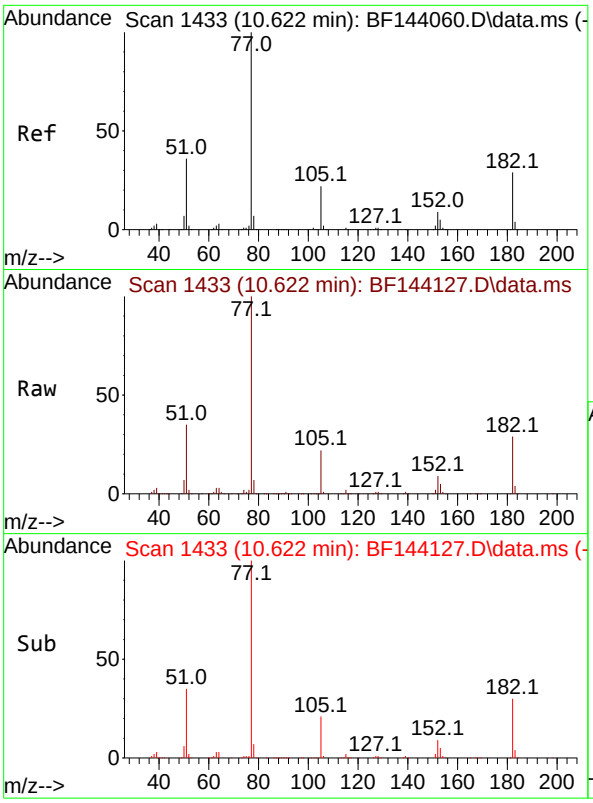


#62
4-Nitroaniline
Concen: 42.124 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:138 Resp: 76357

Ion	Ratio	Lower	Upper
138	100		
92	53.1	30.5	70.5
108	70.2	56.2	96.2

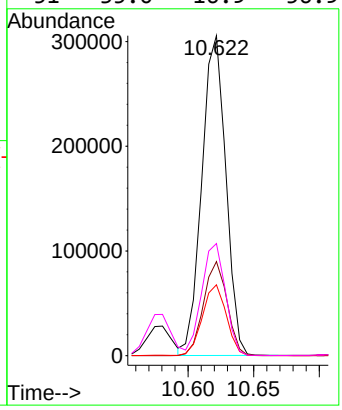




#63
Azobenzene
Concen: 50.276 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion: 77 Resp: 38950

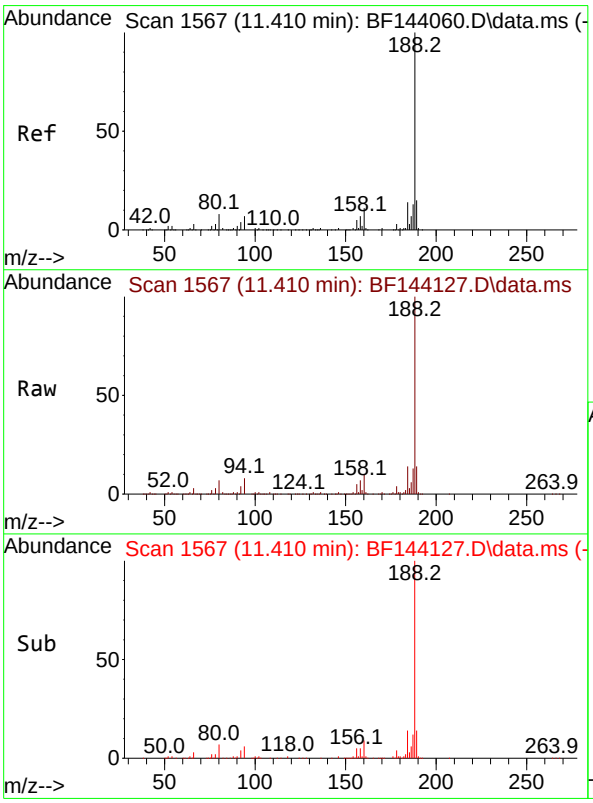
Ion	Ratio	Lower	Upper
77	100		
182	29.4	9.0	49.0
105	22.2	1.4	41.4
51	35.0	16.9	56.9



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

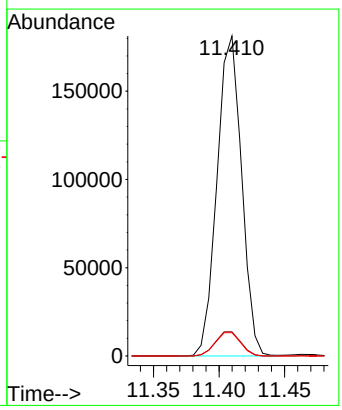
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

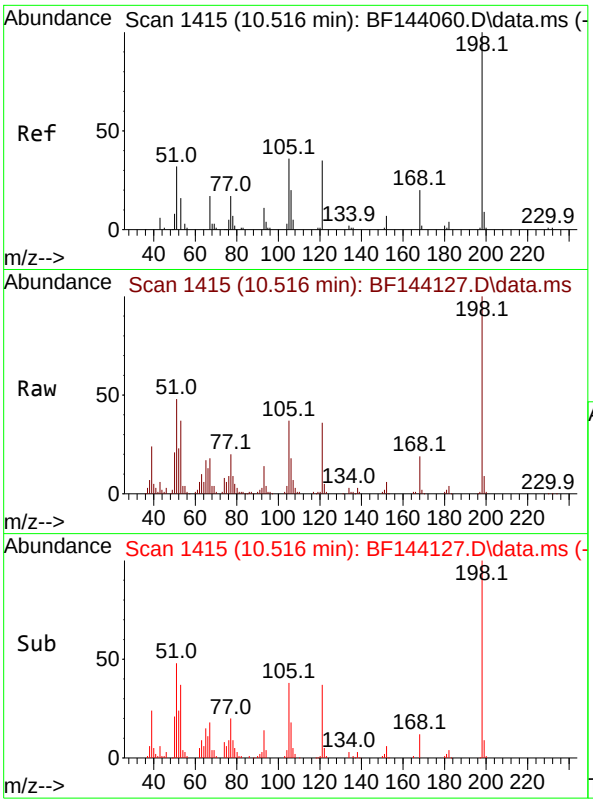


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:188 Resp: 236318

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.4	8.0
80	7.3	6.0	9.0





#65
4,6-Dinitro-2-methylphenol
Concen: 50.214 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

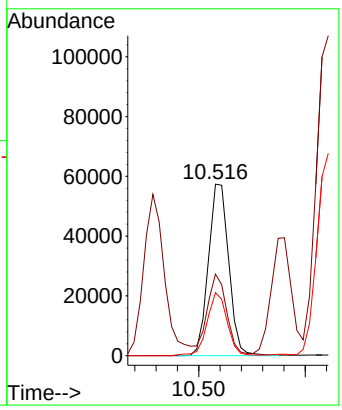
Tgt Ion:198 Resp: 7613

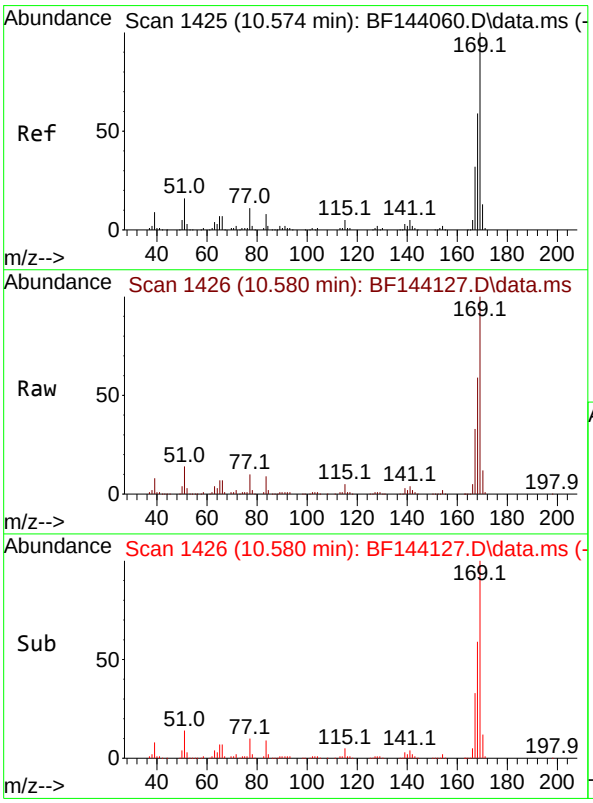
Ion	Ratio	Lower	Upper
198	100		
51	47.6	25.8	65.8
105	36.7	17.2	57.2

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

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

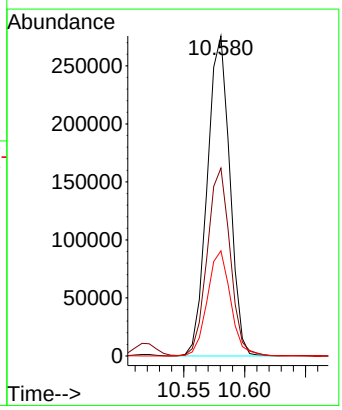


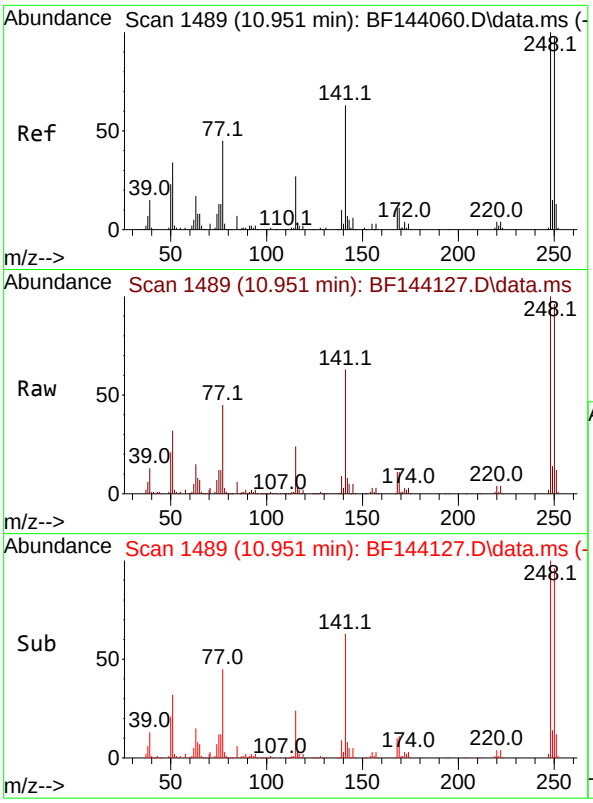


#66
n-Nitrosodiphenylamine
Concen: 46.995 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:169 Resp: 354837

Ion	Ratio	Lower	Upper
169	100		
168	58.7	47.4	71.2
167	32.9	25.5	38.3

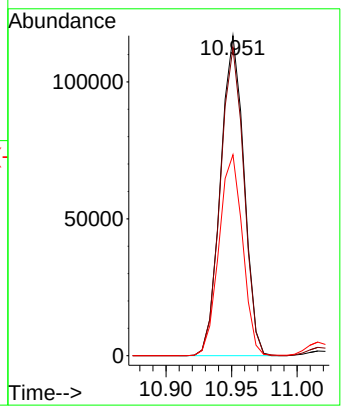




#67
4-Bromophenyl-phenylether
Concen: 48.992 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:248 Resp: 14496

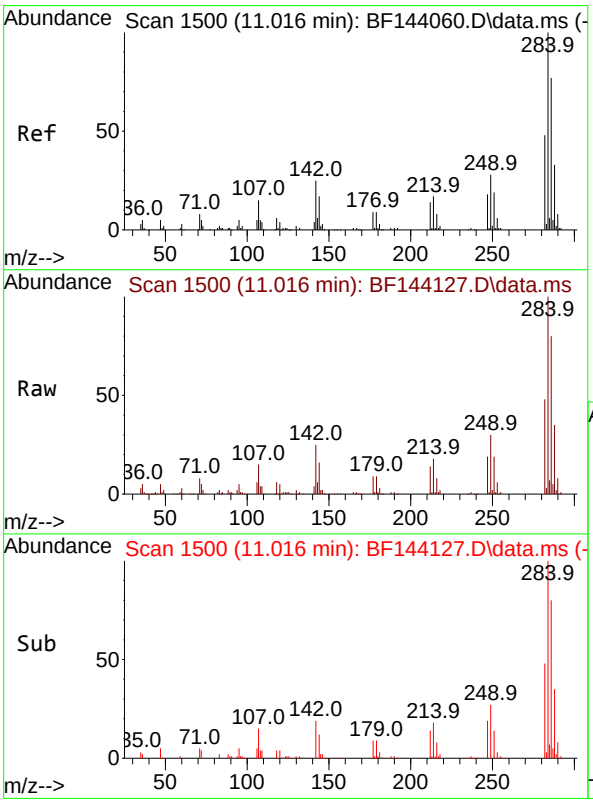
Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.8	116.6
141	62.8	50.5	75.7



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

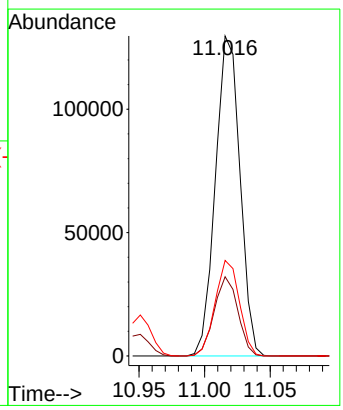
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

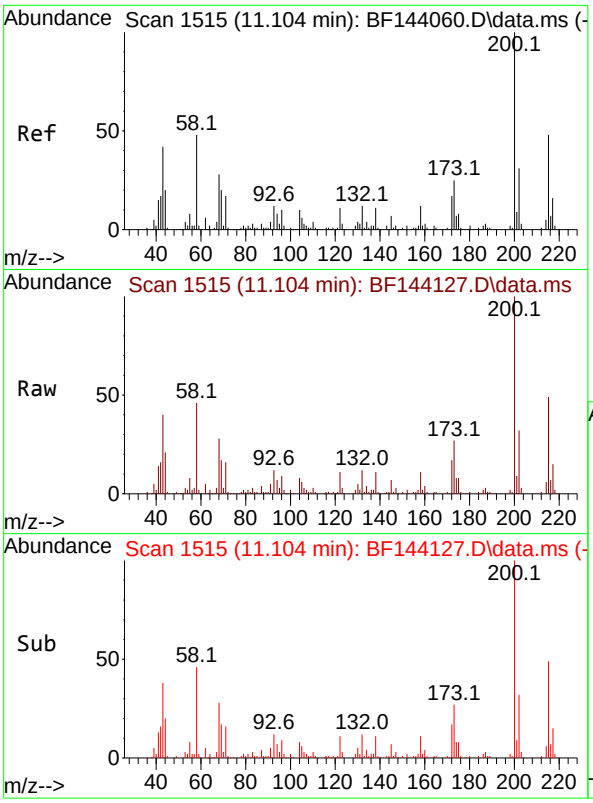


#68
Hexachlorobenzene
Concen: 46.470 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:284 Resp: 168631

Ion	Ratio	Lower	Upper
284	100		
142	24.8	20.0	30.0
249	29.9	22.2	33.2

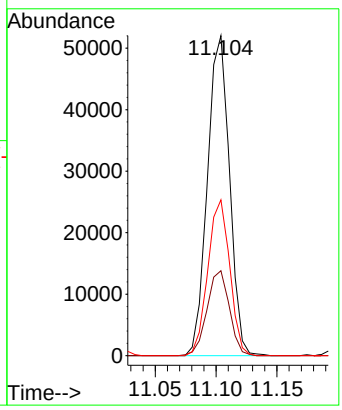




#69
Atrazine
Concen: 26.442 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:200 Resp: 6551

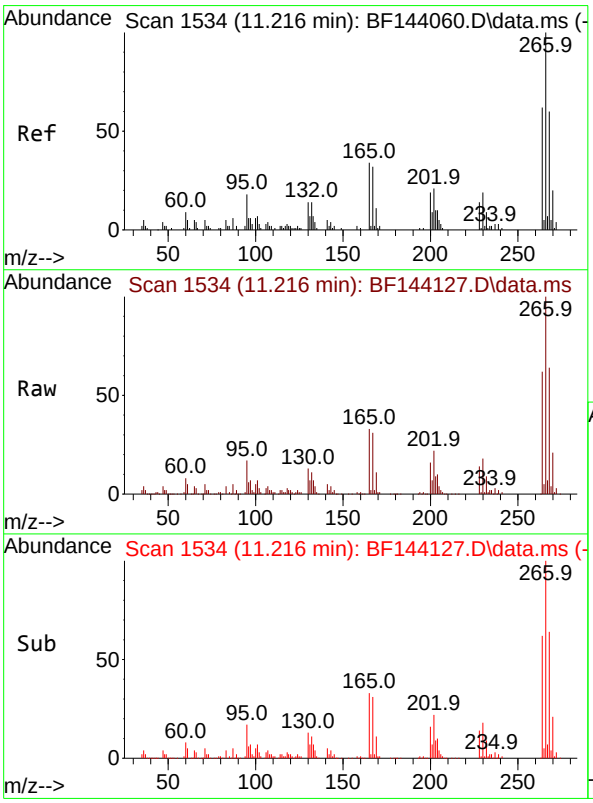
Ion	Ratio	Lower	Upper
200	100		
173	26.6	4.9	44.9
215	48.7	28.2	68.2



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

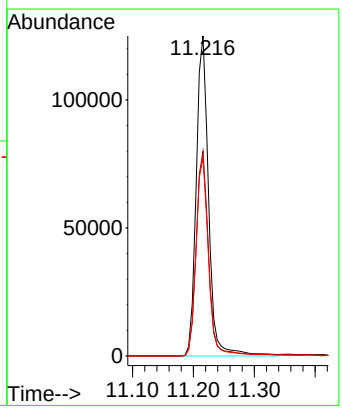
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

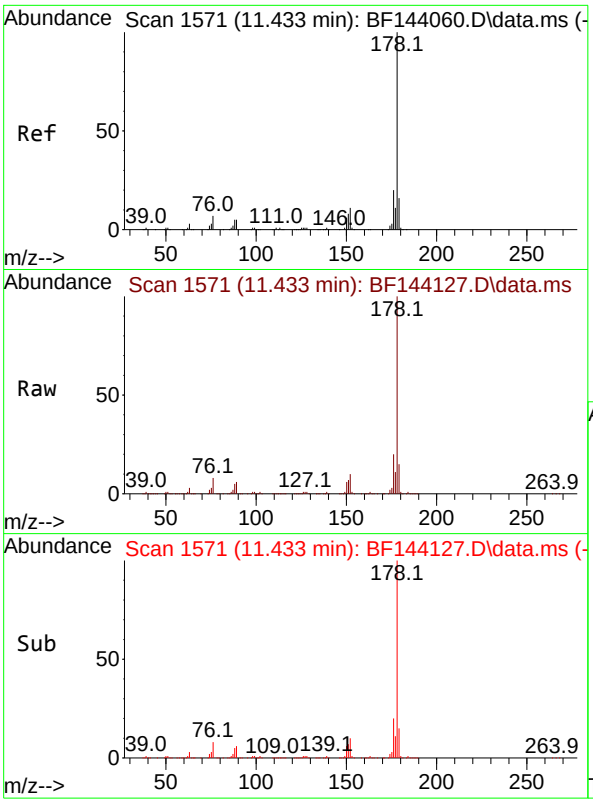


#70
Pentachlorophenol
Concen: 102.057 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:266 Resp: 176284

Ion	Ratio	Lower	Upper
266	100		
268	63.9	48.2	72.4
264	61.9	49.4	74.0

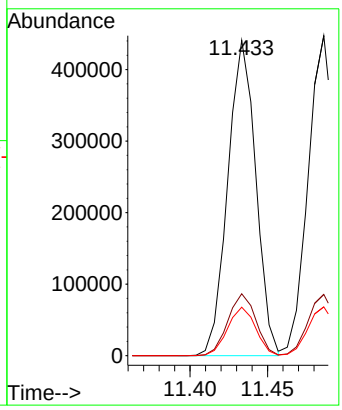




#71
Phenanthrene
Concen: 47.241 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:178 Resp: 55457

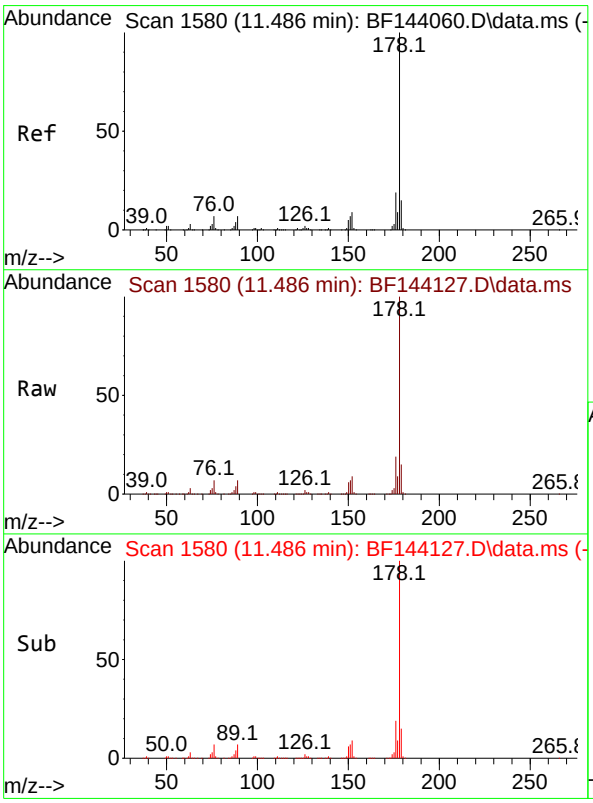
Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.4	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

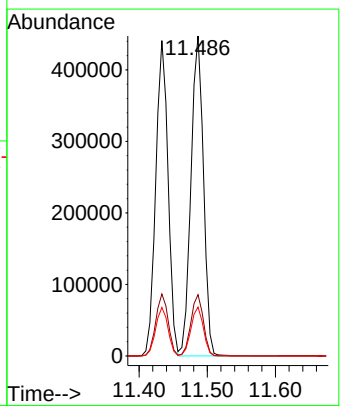
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

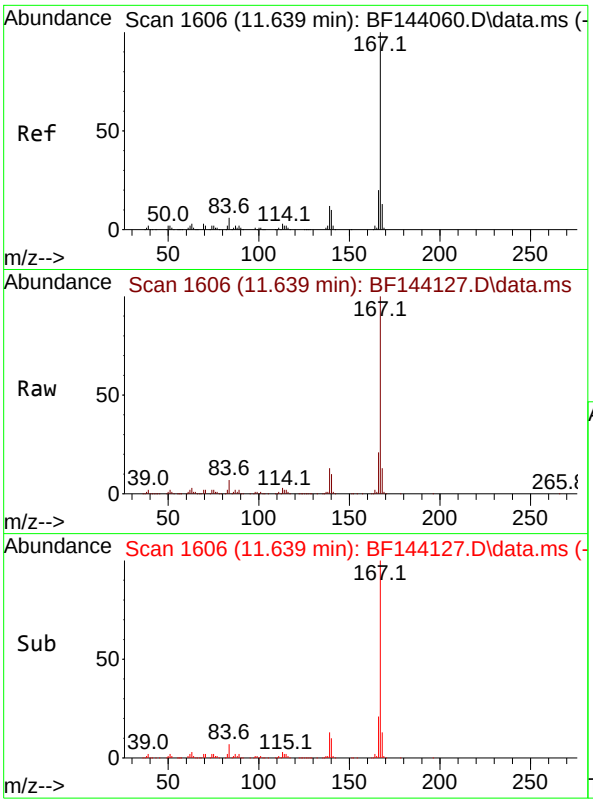


#72
Anthracene
Concen: 46.677 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:178 Resp: 566042

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.2	11.8	17.6

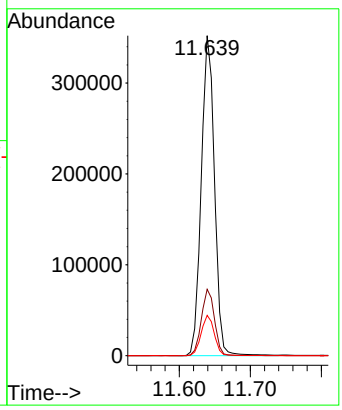




#73
Carbazole
Concen: 44.308 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:167 Resp: 45734

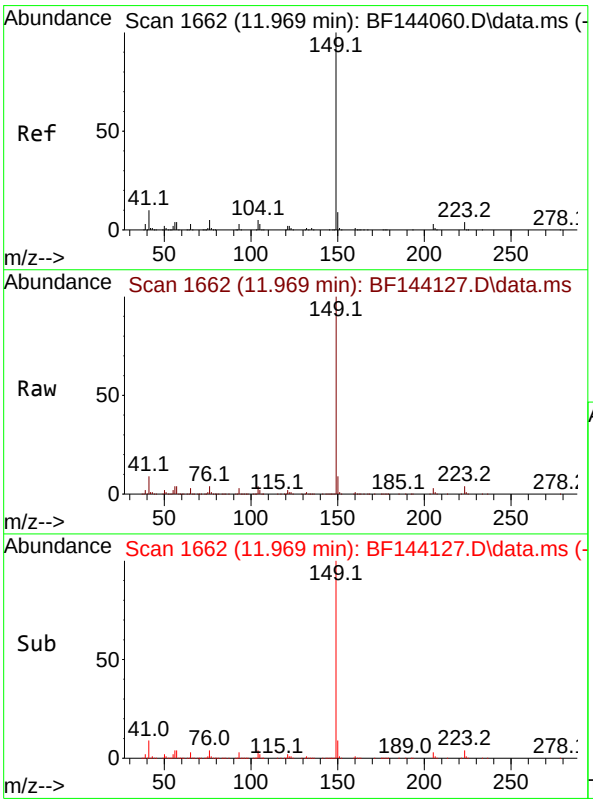
Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.1	24.1
139	12.6	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

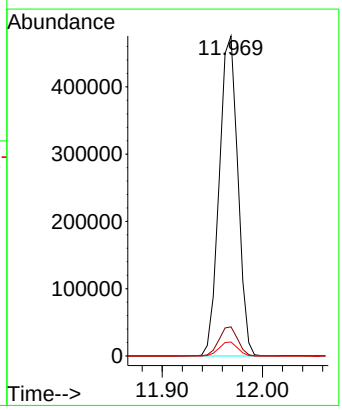
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

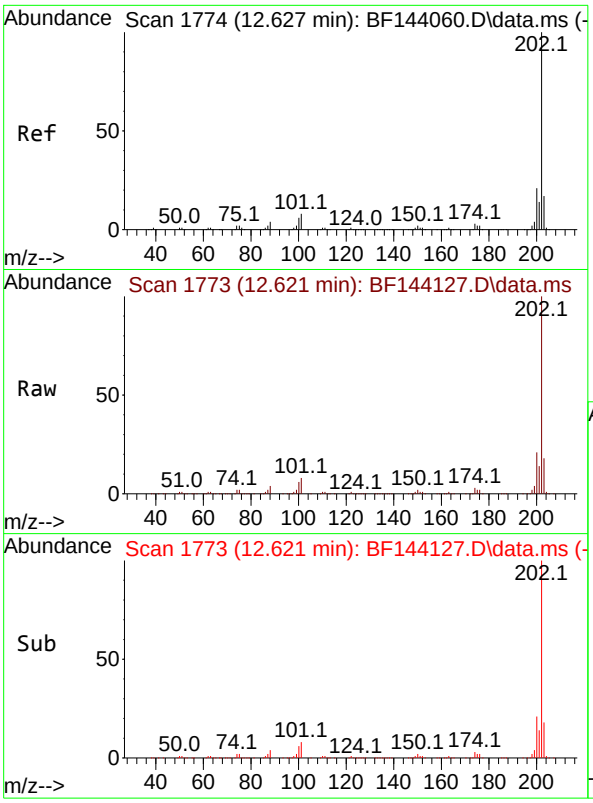


#74
Di-n-butylphthalate
Concen: 48.265 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:149 Resp: 610796

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.6	5.4

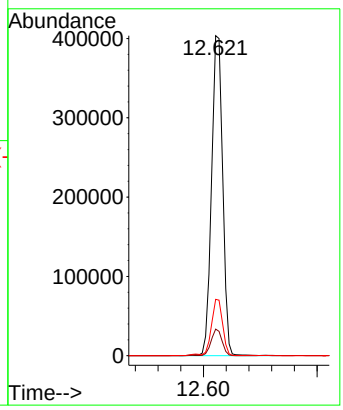




#75
Fluoranthene
Concen: 42.112 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:202 Resp: 54617

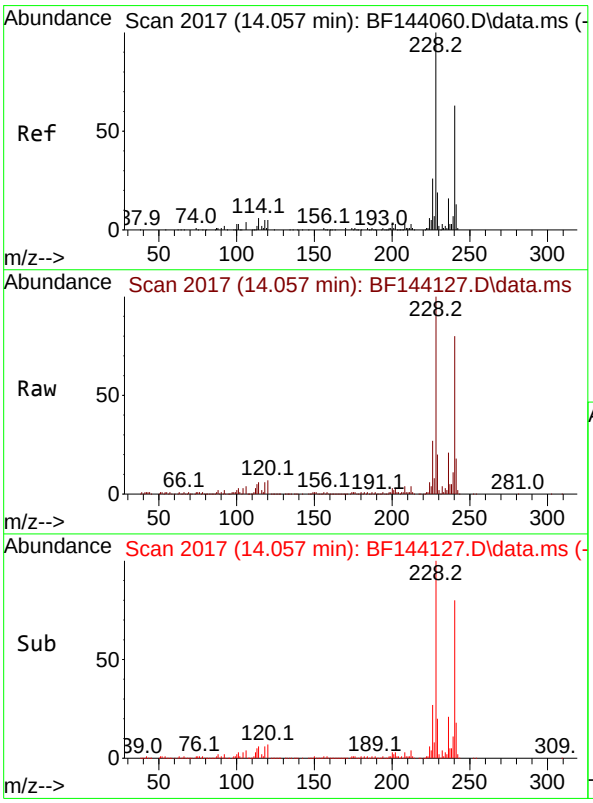
Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	27.7
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

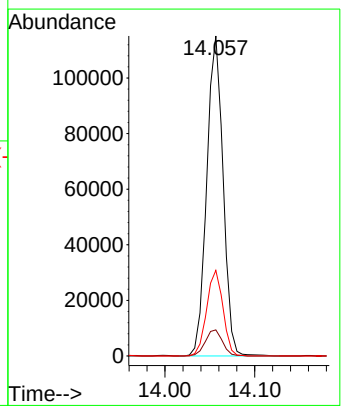
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

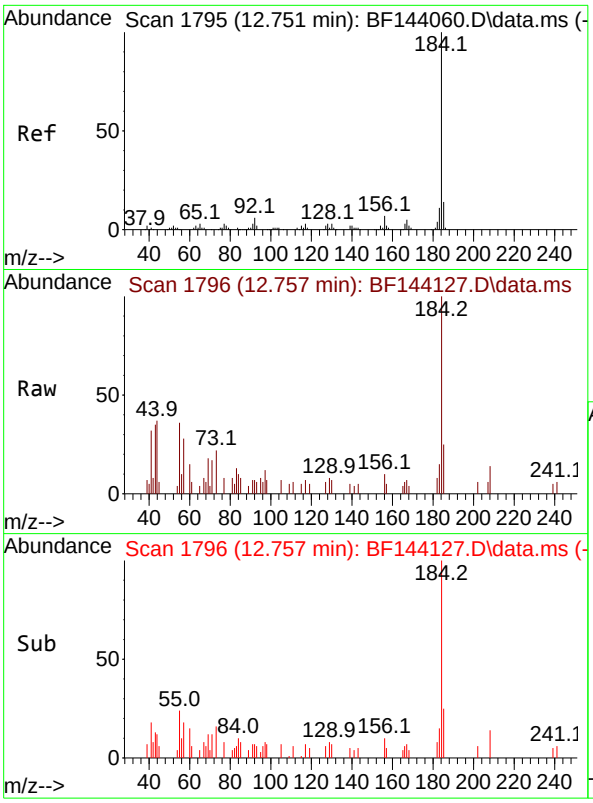


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:240 Resp: 145719

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.8	20.1	30.1

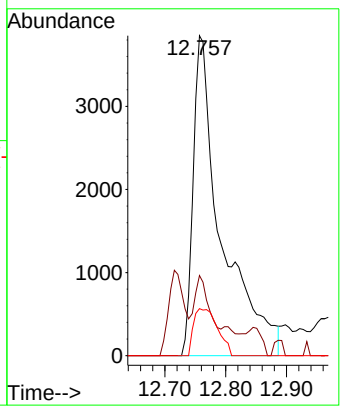




#77
Benzidine
Concen: 2.727 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

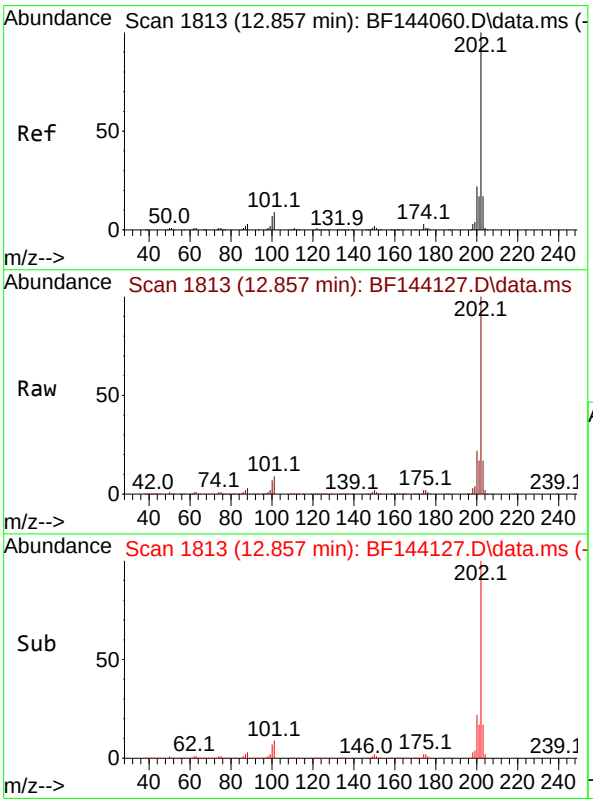
Tgt Ion:184 Resp: 1236

Ion	Ratio	Lower	Upper
184	100		
185	25.1	11.6	17.4
183	14.7	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
TP-8MS

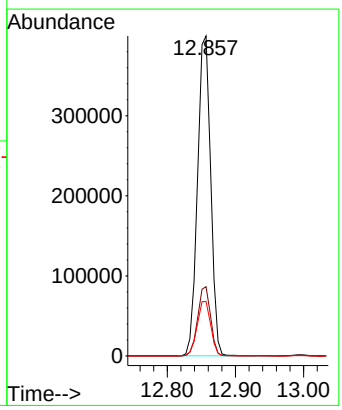
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

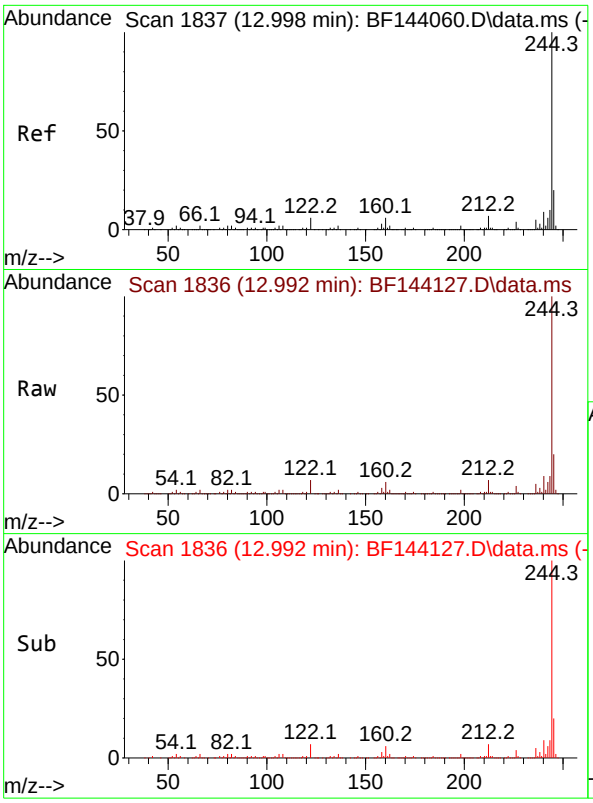


#78
Pyrene
Concen: 51.157 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:202 Resp: 535929

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.1	13.5	20.3

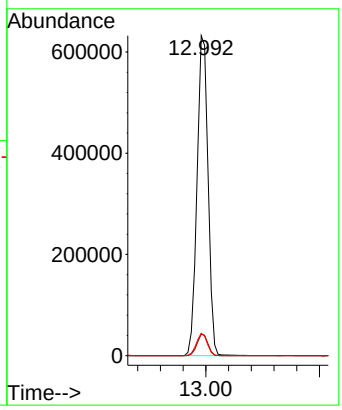




#79
Terphenyl-d14
Concen: 102.634 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:244 Resp: 85548

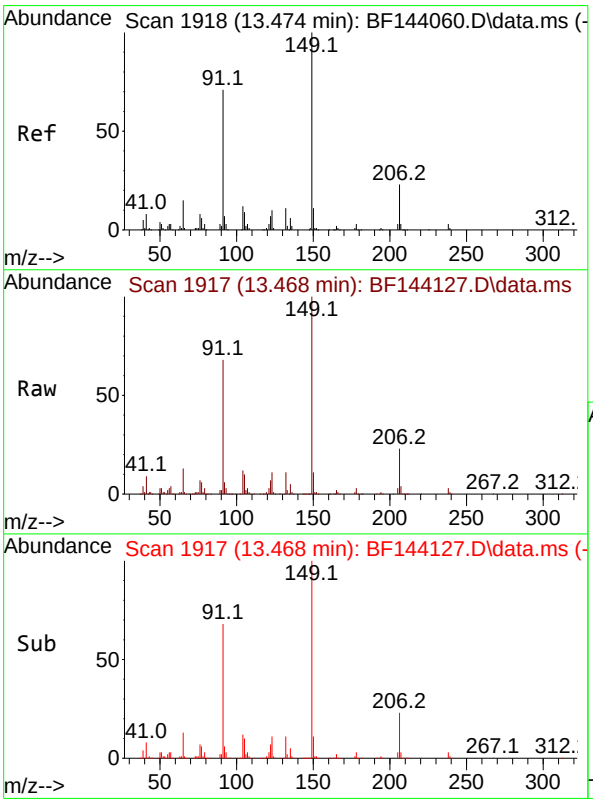
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	7.0	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

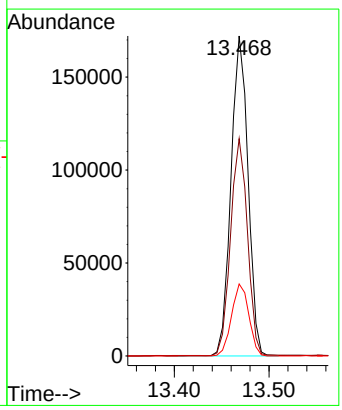
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

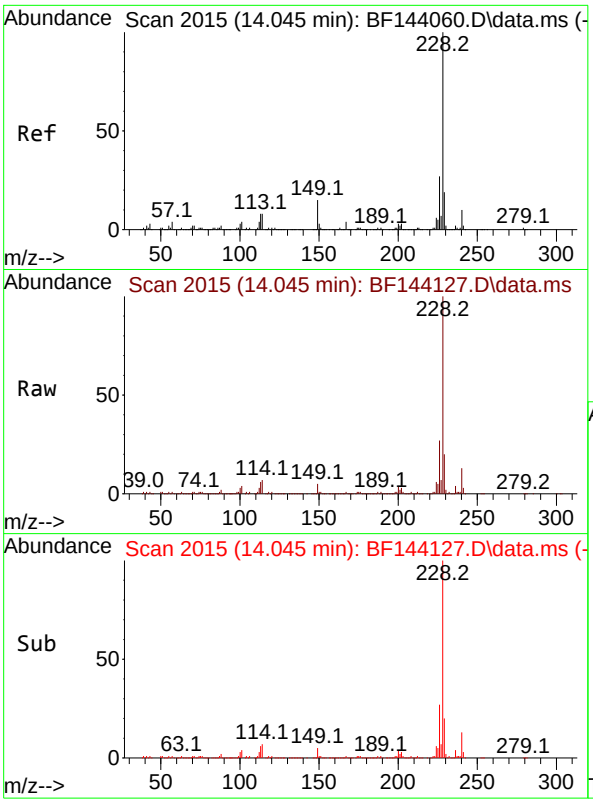


#80
Butylbenzylphthalate
Concen: 54.245 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:149 Resp: 214991

Ion	Ratio	Lower	Upper
149	100		
91	67.9	56.6	84.8
206	22.5	18.3	27.5





#81
Benzo(a)anthracene
Concen: 51.110 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

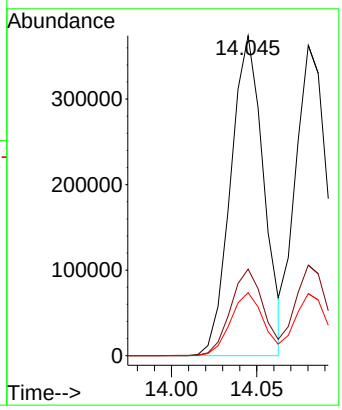
Tgt Ion:228 Resp: 50331

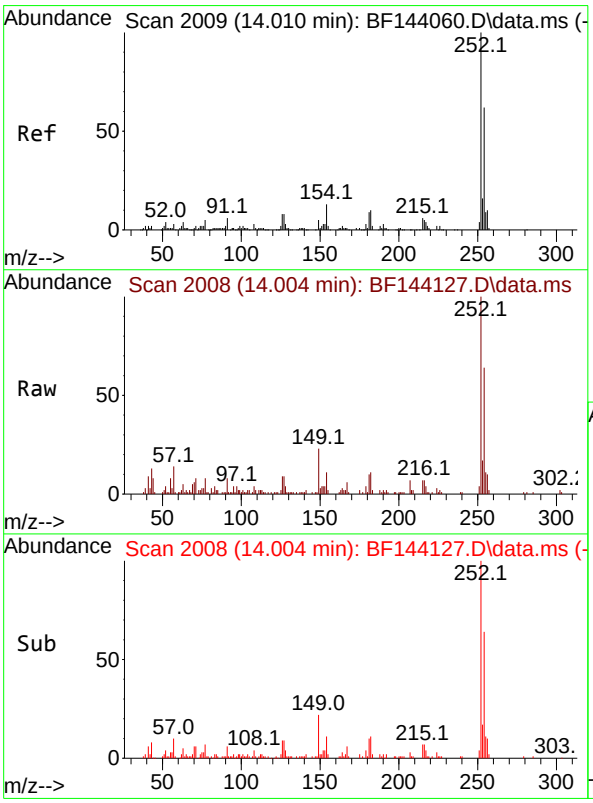
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.7	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations APPROVED

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

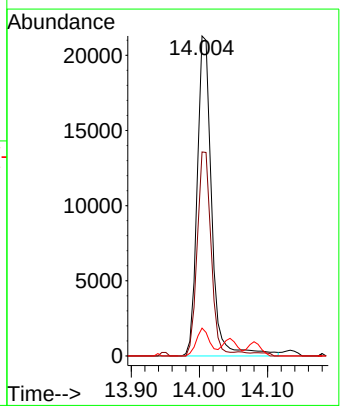


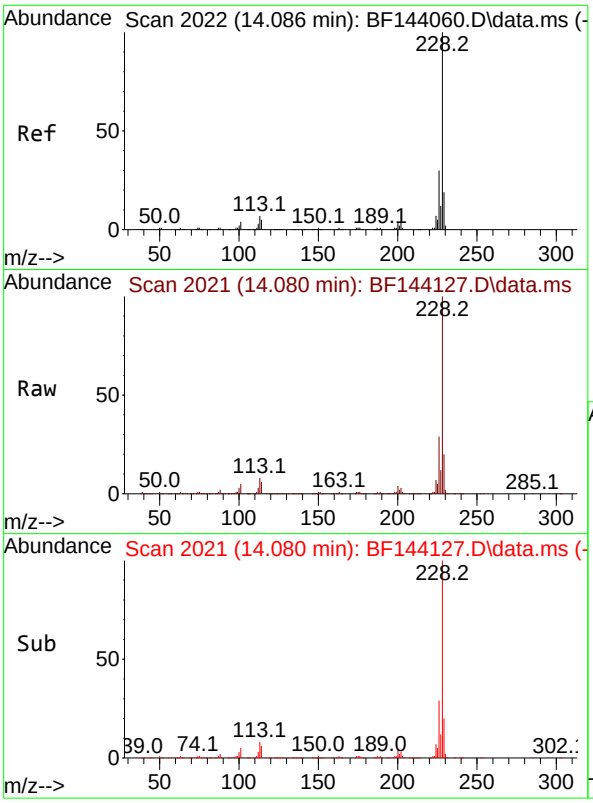


#82
3,3'-Dichlorobenzidine
Concen: 9.189 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:252 Resp: 31500

Ion	Ratio	Lower	Upper
252	100		
254	63.8	49.9	74.9
126	8.7	6.5	9.7

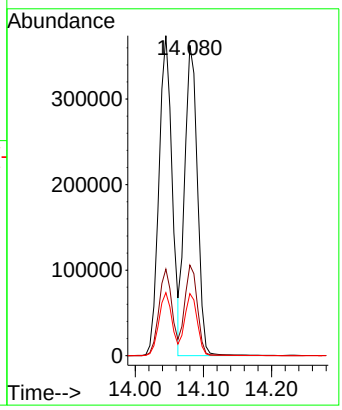




#83
Chrysene
Concen: 50.587 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:228 Resp: 46748

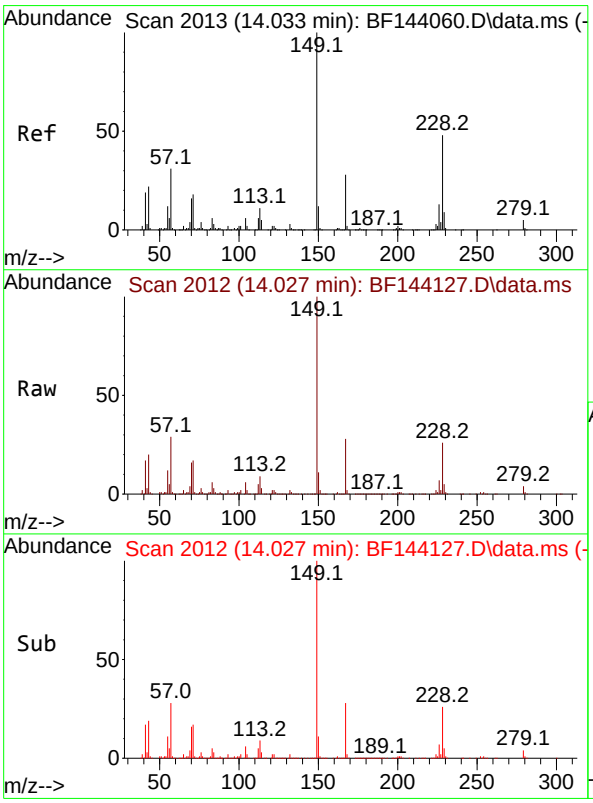
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	20.0	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

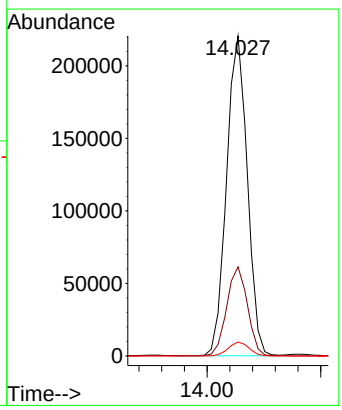
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

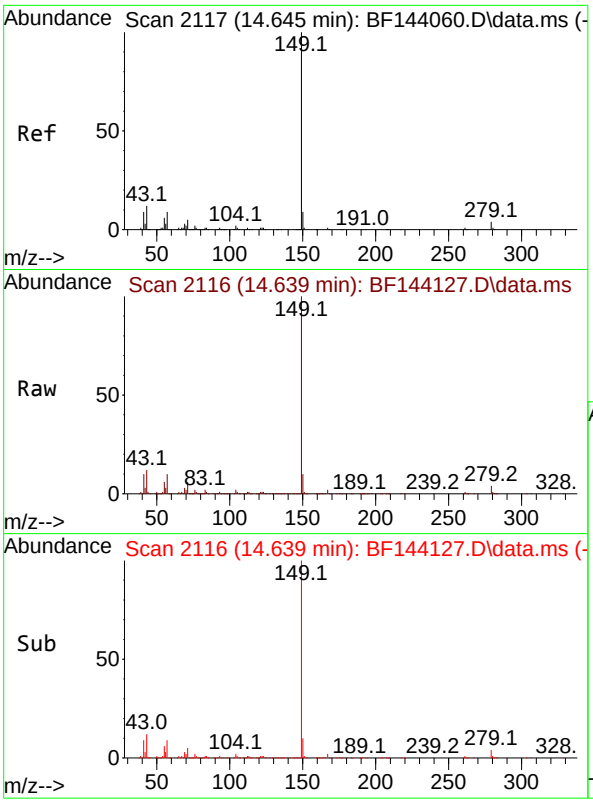


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.679 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:149 Resp: 279617

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	4.4	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 52.664 ng
RT: 14.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

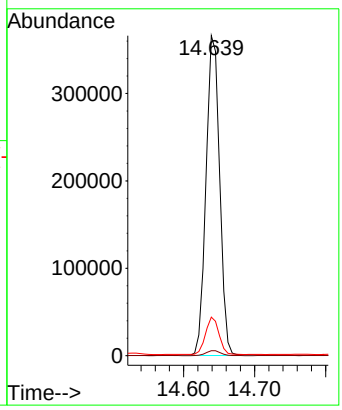
Tgt Ion:149 Resp: 49003

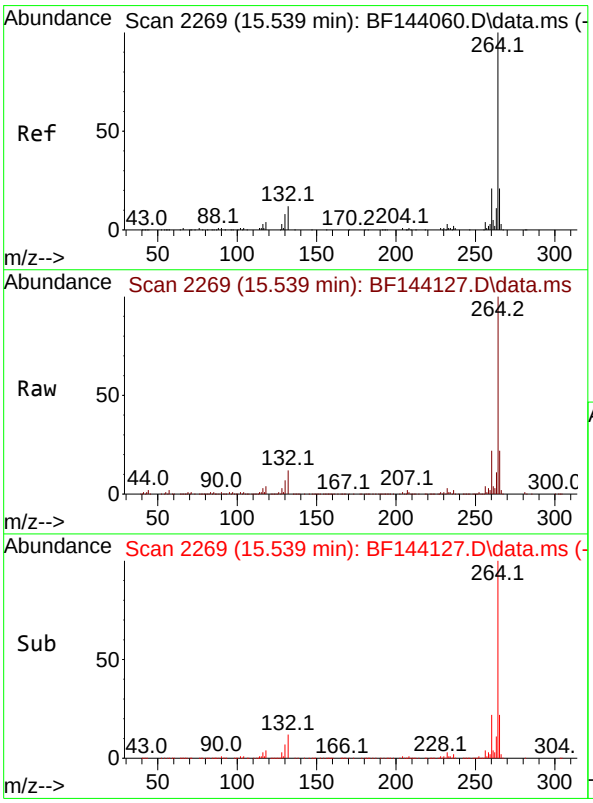
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.4	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

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

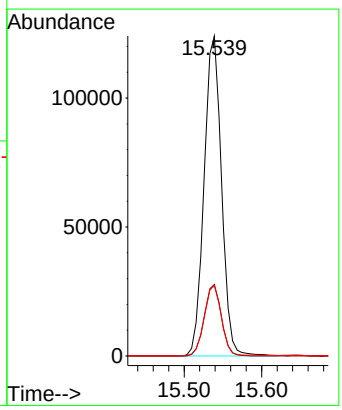


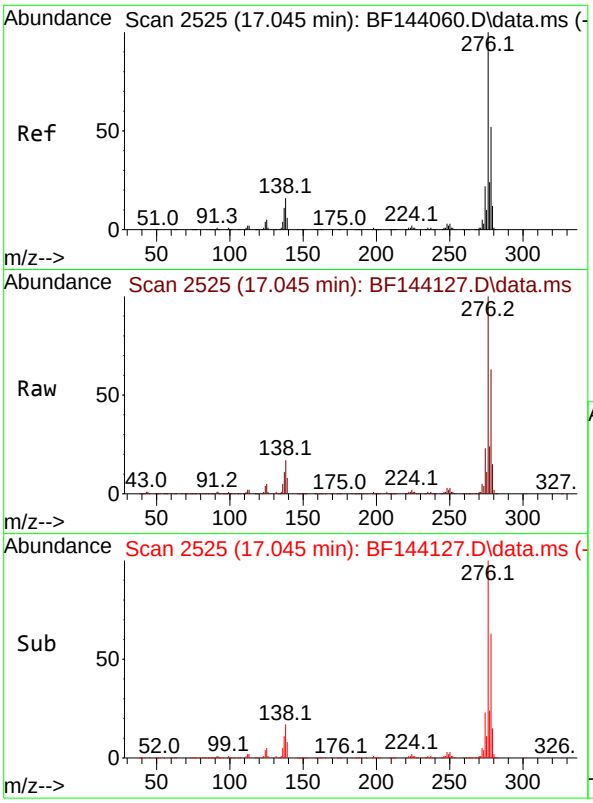


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:264 Resp: 194108

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.0	25.4
265	22.0	16.6	24.8

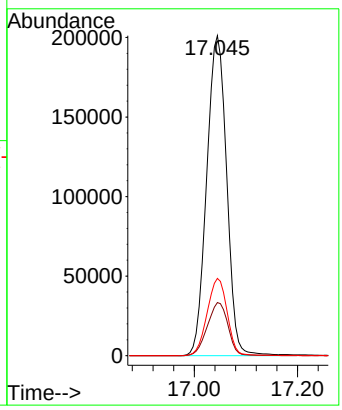




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.506 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:276 Resp: 53980

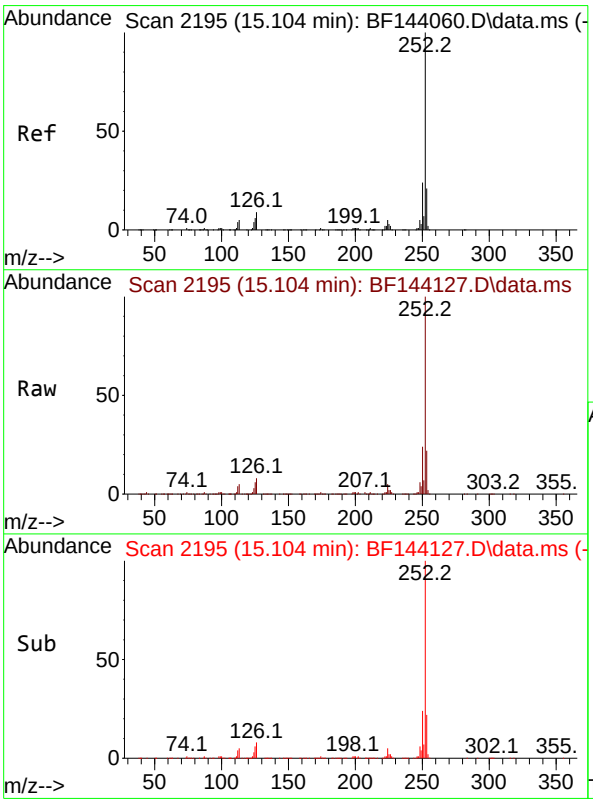
Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.0	19.6
277	24.2	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

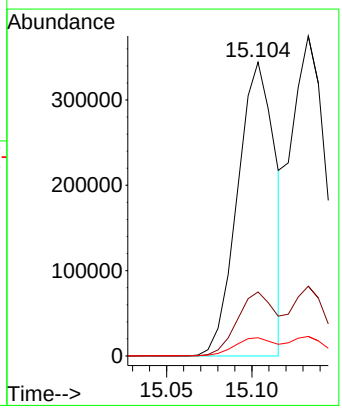
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

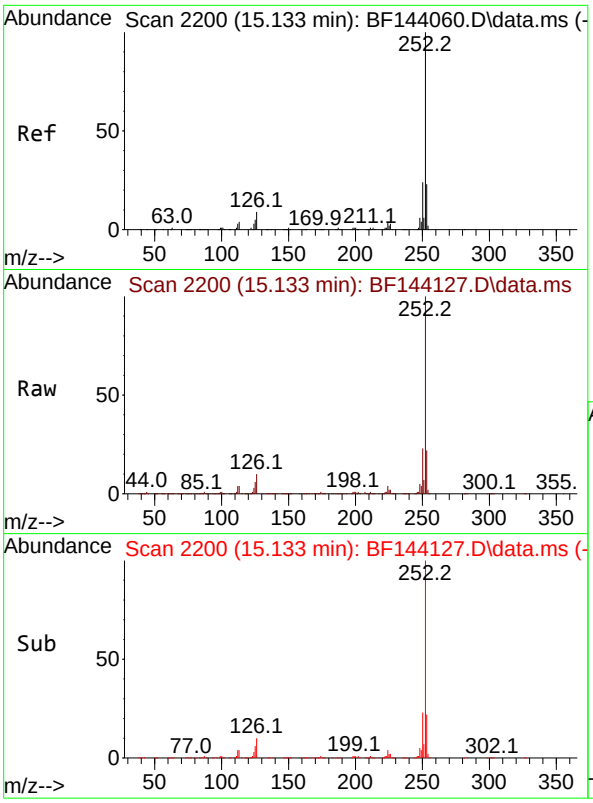


#88
Benzo(b)fluoranthene
Concen: 47.961 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:252 Resp: 526302

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	6.2	5.0	7.6

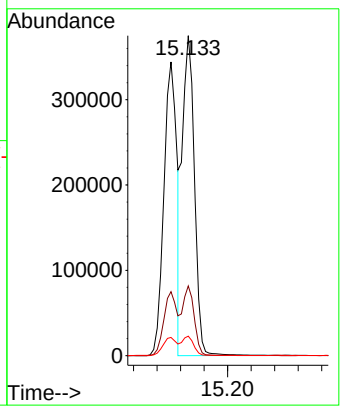




#89
Benzo(k)fluoranthene
Concen: 53.047 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

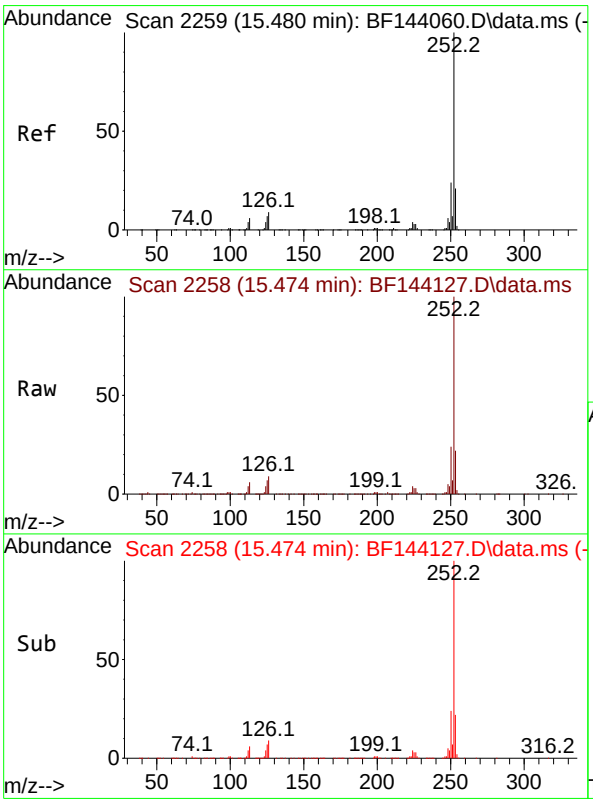
Tgt Ion:252 Resp: 53707

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
TP-8MS

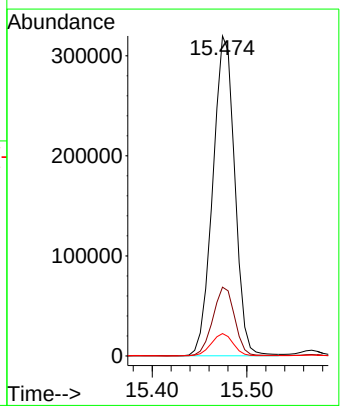
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

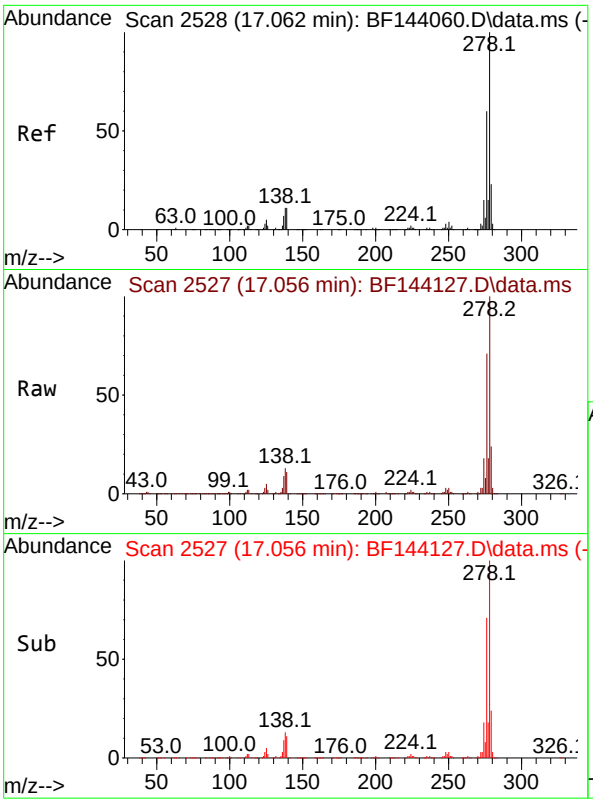


#90
Benzo(a)pyrene
Concen: 52.375 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:252 Resp: 515620

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	7.0	5.4	8.2

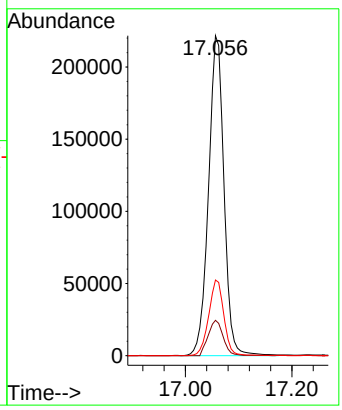




#91
Dibenzo(a,h)anthracene
Concen: 42.359 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:278 Resp: 44684

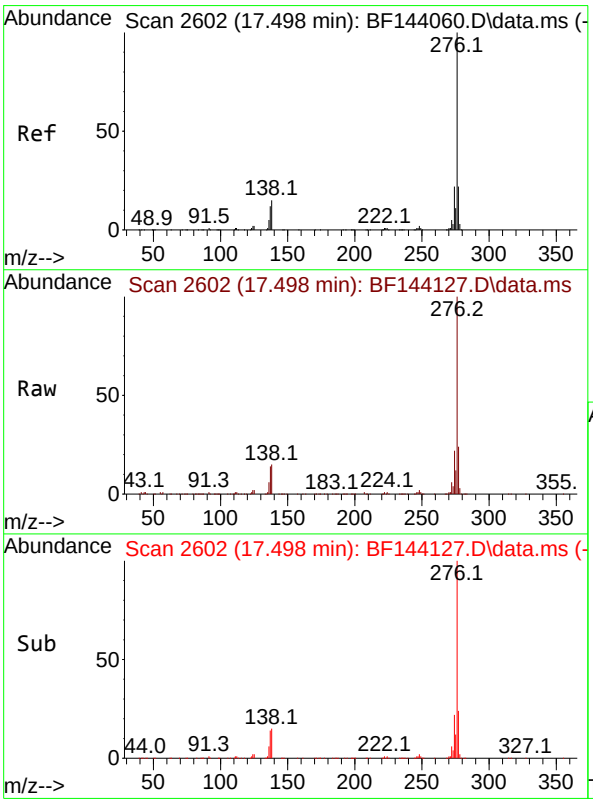
Ion	Ratio	Lower	Upper
278	100		
139	11.1	8.5	12.7
279	23.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
TP-8MS

Manual Integrations
APPROVED

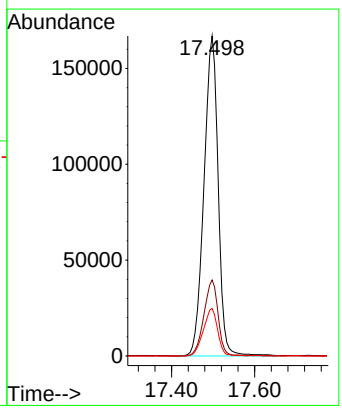
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#92
Benzo(g,h,i)perylene
Concen: 37.345 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF144127.D
Acq: 29 Oct 2025 14:33

Tgt Ion:276 Resp: 396078

Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	14.9	12.0	18.0



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:	10/21/25
Project:	RFP 905			Date Received:	10/22/25
Client Sample ID:	TP-8MSD			SDG No.:	Q3447
Lab Sample ID:	Q3427-04MSD			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3510C	Prep Date:	10/27/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	290		1	12.8	50.0	ug/L	10/29/25 15:02	PB170267
106-46-7	1,4-Dichlorobenzene	470		1	5.30	50.0	ug/L	10/29/25 15:02	PB170267
95-48-7	2-Methylphenol	490		1	11.2	50.0	ug/L	10/29/25 15:02	PB170267
65794-96-9	3+4-Methylphenols	500		1	11.0	100	ug/L	10/29/25 15:02	PB170267
67-72-1	Hexachloroethane	440		1	6.50	50.0	ug/L	10/29/25 15:02	PB170267
98-95-3	Nitrobenzene	480		1	7.60	50.0	ug/L	10/29/25 15:02	PB170267
87-68-3	Hexachlorobutadiene	450		1	5.40	50.0	ug/L	10/29/25 15:02	PB170267
88-06-2	2,4,6-Trichlorophenol	520		1	5.10	50.0	ug/L	10/29/25 15:02	PB170267
95-95-4	2,4,5-Trichlorophenol	530		1	6.20	50.0	ug/L	10/29/25 15:02	PB170267
121-14-2	2,4-Dinitrotoluene	580		1	12.2	50.0	ug/L	10/29/25 15:02	PB170267
118-74-1	Hexachlorobenzene	520		1	5.20	50.0	ug/L	10/29/25 15:02	PB170267
87-86-5	Pentachlorophenol	1100	E	1	15.8	100	ug/L	10/29/25 15:02	PB170267
SURROGATES									
367-12-4	2-Fluorophenol	134			23 - 138	89%	SPK: 150		
13127-88-3	Phenol-d6	131			10 - 134	87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	98.1			67 - 132	98%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.2			52 - 132	95%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	158			44 - 137	106%	SPK: 150		
1718-51-0	Terphenyl-d14	105			42 - 152	105%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	58600							
1146-65-2	Naphthalene-d8	225000							
15067-26-2	Acenaphthene-d10	127000							
1517-22-2	Phenanthrene-d10	221000							
1719-03-5	Chrysene-d12	151000							
1520-96-3	Perylene-d12	191000							

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144128.D
Acq On : 29 Oct 2025 15:02
Operator : RC/JU
Sample : Q3427-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 15:23:32 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 :
TP-8MSD

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	58632	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	225036	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	126691	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	221499	20.000	ng		0.00
76) Chrysene-d12	14.057	240	150723	20.000	ng		0.00
86) Perylene-d12	15.539	264	191043	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	497011	134.112	ng		0.02
7) Phenol-d6	6.510	99	536993	131.204	ng		0.00
23) Nitrobenzene-d5	7.445	82	403131	98.146	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	255761	158.484	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	857048	95.196	ng		0.00
79) Terphenyl-d14	12.998	244	900993	104.505	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.799	88	68280	42.637	ng	#	74
3) Pyridine	3.522	79	124523	29.045	ng		98
4) n-Nitrosodimethylamine	3.463	42	120490	45.737	ng		93
6) Aniline	6.545	93	54181	9.253	ng	#	92
8) 2-Chlorophenol	6.669	128	176726	48.423	ng		97
10) Phenol	6.528	94	206581	40.912	ng		97
11) bis(2-Chloroethyl)ether	6.616	93	180971	49.600	ng		98
12) 1,3-Dichlorobenzene	6.822	146	207421	46.073	ng		98
13) 1,4-Dichlorobenzene	6.898	146	210520	47.449	ng		98
14) 1,2-Dichlorobenzene	7.051	146	204799	47.706	ng		98
15) Benzyl Alcohol	7.022	79	163972	49.271	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	339108	49.452	ng		93
17) 2-Methylphenol	7.134	107	138304	49.272	ng		99
18) Hexachloroethane	7.393	117	70570	44.489	ng		99
19) n-Nitroso-di-n-propyla...	7.293	70	142211	53.732	ng		95
20) 3+4-Methylphenols	7.287	107	165258	49.802	ng	#	72
22) Acetophenone	7.287	105	269972	55.512	ng		96
24) Nitrobenzene	7.463	77	209452	48.204	ng		100
25) Isophorone	7.698	82	383797	53.445	ng		99
26) 2-Nitrophenol	7.775	139	101839	49.268	ng		99
27) 2,4-Dimethylphenol	7.810	122	173988	56.642	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	231654	51.728	ng		98
29) 2,4-Dichlorophenol	8.022	162	183704	51.426	ng		97
30) 1,2,4-Trichlorobenzene	8.104	180	186163	50.657	ng		99
31) Naphthalene	8.181	128	507996	47.829	ng		99
32) Benzoic acid	7.945	122	124449	63.871	ng	#	85
33) 4-Chloroaniline	8.234	127	13267	3.588	ng		95
34) Hexachlorobutadiene	8.298	225	135053	44.943	ng		98
35) Caprolactam	8.598	113	46789m	52.232	ng		
36) 4-Chloro-3-methylphenol	8.716	107	166611	52.853	ng		97
37) 2-Methylnaphthalene	8.875	142	326905	46.683	ng		95
38) 1-Methylnaphthalene	8.975	142	333527	50.273	ng		98
40) 1,2,4,5-Tetrachloroben...	9.039	216	227580	52.268	ng		99
41) Hexachlorocyclopentadiene	9.028	237	174921	130.069	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	147786	52.218	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	156703	52.758	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144128.D
Acq On : 29 Oct 2025 15:02
Operator : RC/JU
Sample : Q3427-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 15:23:32 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 :
TP-8MSD

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	490660	54.102	ng	100
47) 2-Chloronaphthalene	9.363	162	372919	49.082	ng	98
48) 2-Nitroaniline	9.463	65	117578	52.114	ng	97
49) Acenaphthylene	9.781	152	585529	57.154	ng	99
50) Dimethylphthalate	9.639	163	465880	56.101	ng	100
51) 2,6-Dinitrotoluene	9.704	165	96167	58.578	ng	95
52) Acenaphthene	9.951	154	325442	47.566	ng	99
53) 3-Nitroaniline	9.875	138	11177	6.124	ng	92
54) 2,4-Dinitrophenol	9.986	184	102318	115.232	ng	98
55) Dibenzofuran	10.128	168	489325	51.517	ng	98
56) 4-Nitrophenol	10.039	139	115774	93.669	ng	91
57) 2,4-Dinitrotoluene	10.110	165	128780	58.122	ng	97
58) Fluorene	10.469	166	378814	52.342	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	122911	58.723	ng	99
60) Diethylphthalate	10.339	149	426164	54.569	ng	98
61) 4-Chlorophenyl-phenyle...	10.457	204	211510	51.968	ng	98
62) 4-Nitroaniline	10.486	138	70579	40.810	ng	94
63) Azobenzene	10.622	77	395412	53.495	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	76836	54.068	ng	95
66) n-Nitrosodiphenylamine	10.581	169	350057	49.464	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	147882	53.323	ng	98
68) Hexachlorobenzene	11.022	284	177748	52.260	ng	97
69) Atrazine	11.104	200	58611	25.239	ng	99
70) Pentachlorophenol	11.216	266	181809	112.298	ng	97
71) Phenanthrene	11.433	178	567418	51.569	ng	99
72) Anthracene	11.486	178	577547	50.812	ng	99
73) Carbazole	11.639	167	443592	45.851	ng	97
74) Di-n-butylphthalate	11.969	149	640621	54.009	ng	99
75) Fluoranthene	12.627	202	560069	46.072	ng	99
77) Benzidine	12.763	184	13841m	2.951	ng	
78) Pyrene	12.857	202	560881	51.761	ng	99
80) Butylbenzylphthalate	13.469	149	225098	54.910	ng	99
81) Benzo(a)anthracene	14.045	228	527127	51.750	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	21724	6.127	ng	99
83) Chrysene	14.086	228	511132	53.474	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	303321	54.199	ng	99
85) Di-n-octyl phthalate	14.645	149	528604	54.924	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	564309	43.024	ng	98
88) Benzo(b)fluoranthene	15.104	252	587435	54.391	ng	100
89) Benzo(k)fluoranthene	15.139	252	522551	52.440	ng	99
90) Benzo(a)pyrene	15.480	252	546298	56.382	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	464083	44.699	ng	99
92) Benzo(g,h,i)perylene	17.504	276	411523	39.424	ng	98

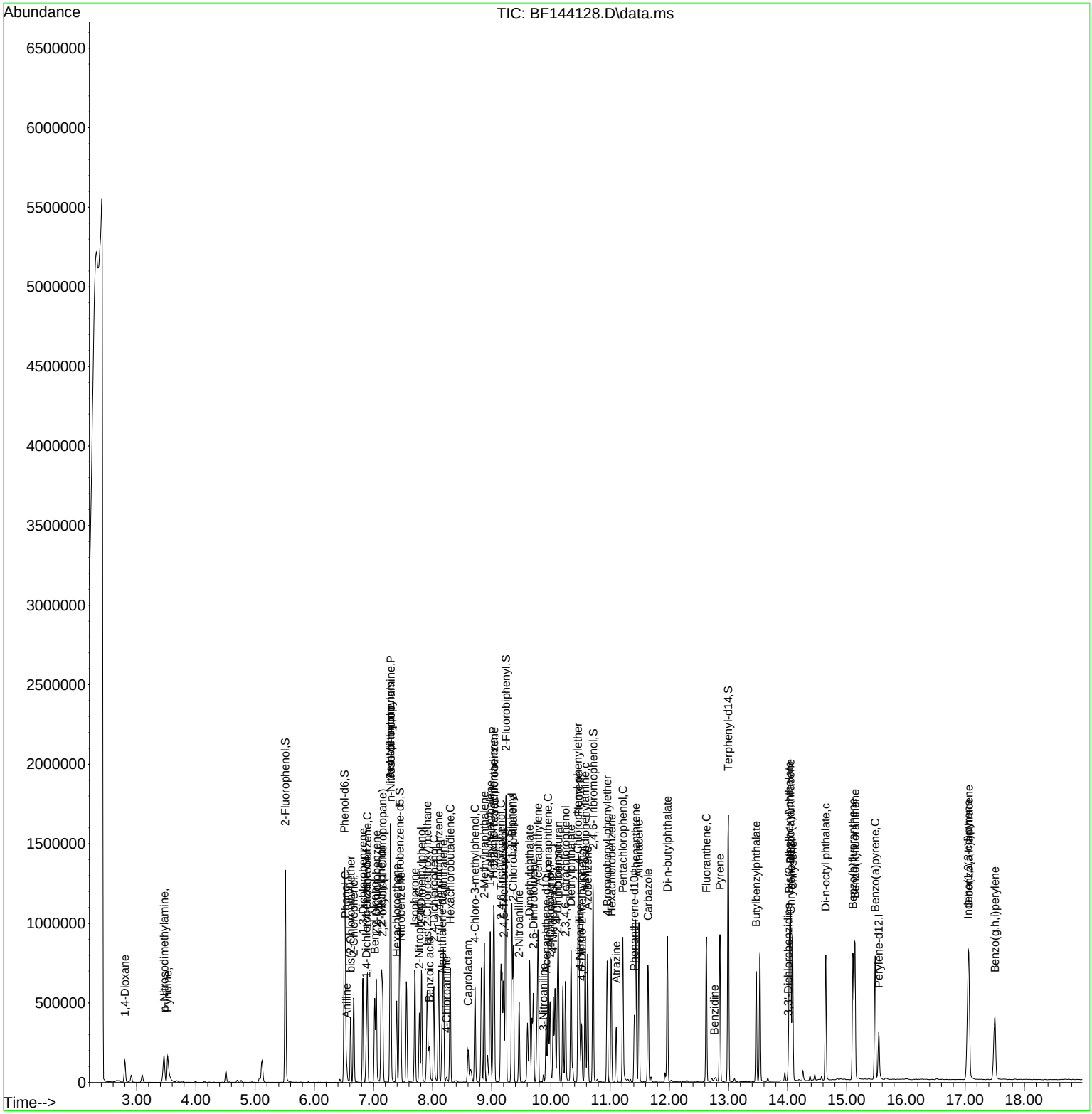
(#) = qualifier out of range (m) = manual integration (+) = signals summed

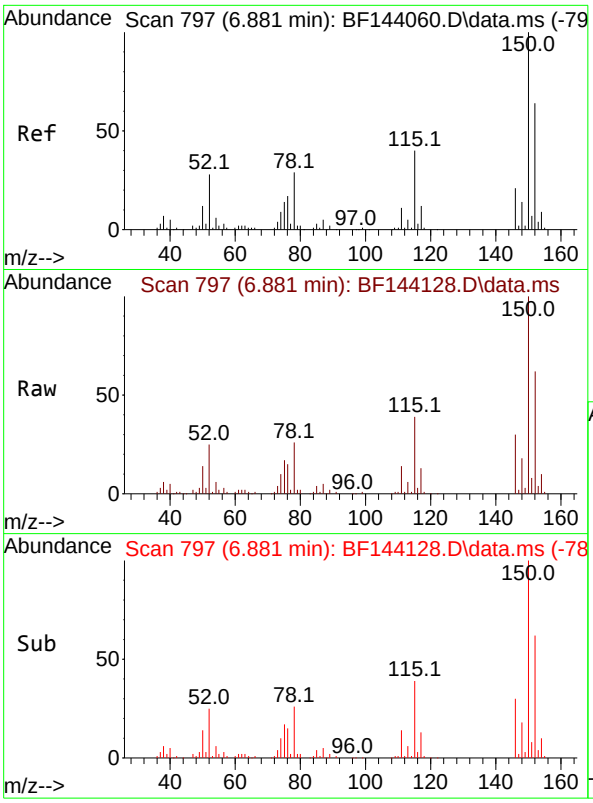
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144128.D
Acq On : 29 Oct 2025 15:02
Operator : RC/JU
Sample : Q3427-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 15:23:32 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 :
TP-8MSD

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

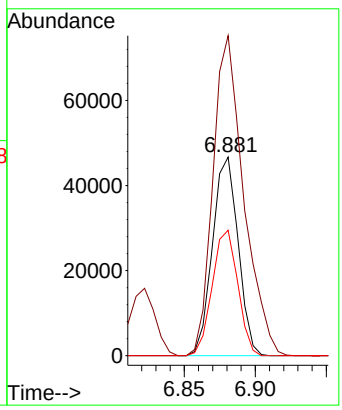




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:152 Resp: 5863

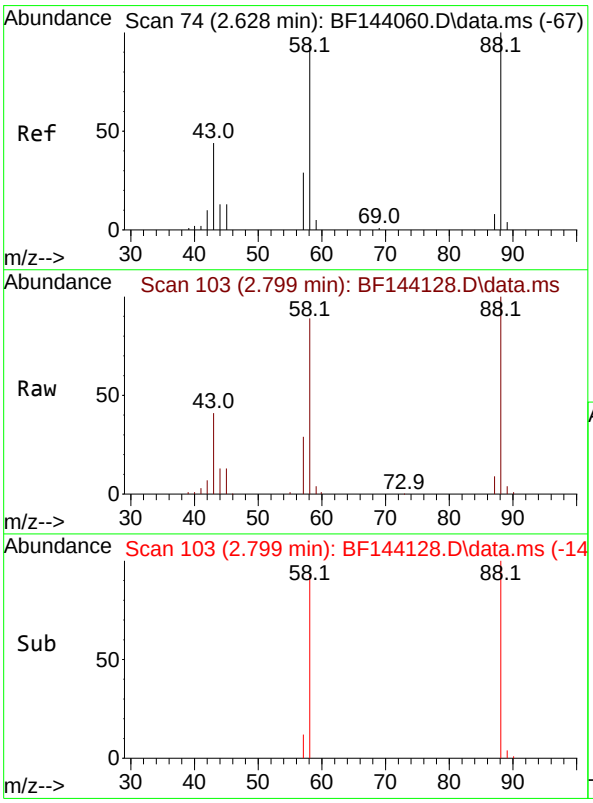
Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.4	186.6
115	63.2	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

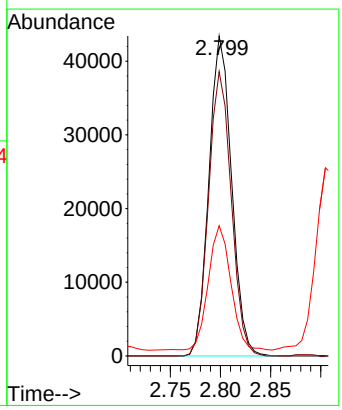
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

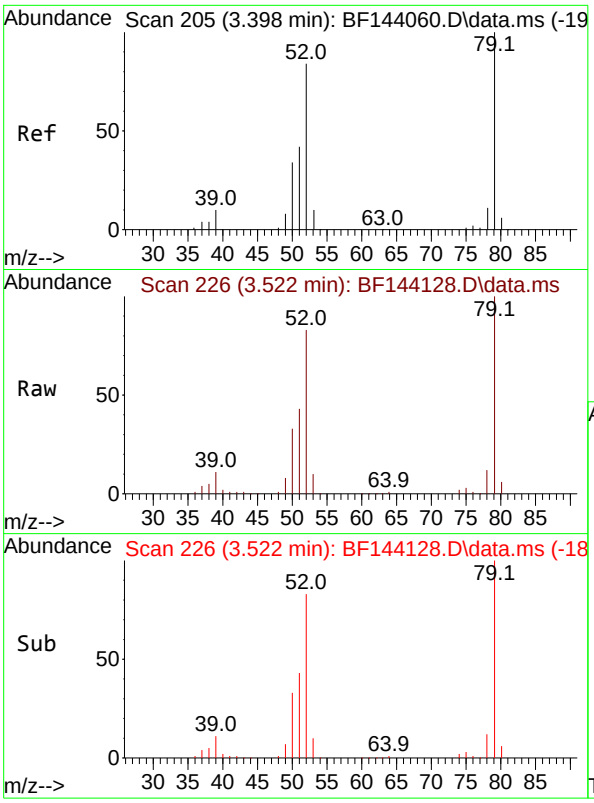


#2
1,4-Dioxane
Concen: 42.637 ng
RT: 2.799 min Scan# 103
Delta R.T. 0.171 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 88 Resp: 68280

Ion	Ratio	Lower	Upper
88	100		
58	89.1	76.5	114.7
43	0.0	35.3	52.9#

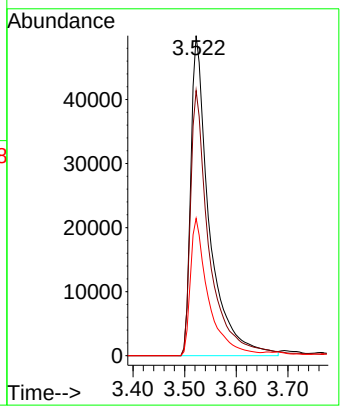




#3
Pyridine
Concen: 29.045 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.124 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 79 Resp: 12452

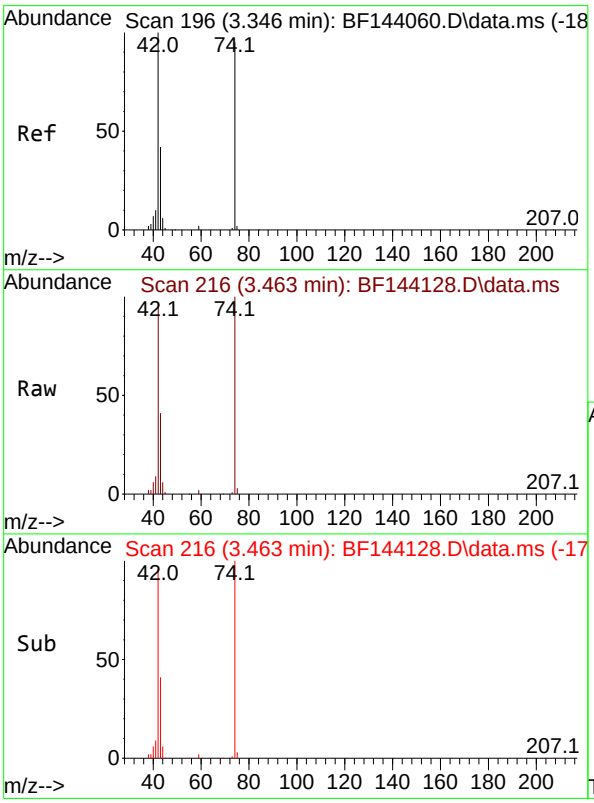
Ion	Ratio	Lower	Upper
79	100		
52	82.8	67.5	101.3
51	42.9	33.6	50.4



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

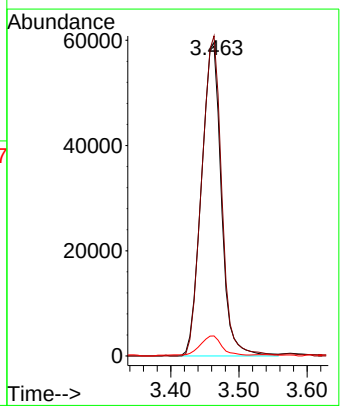
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

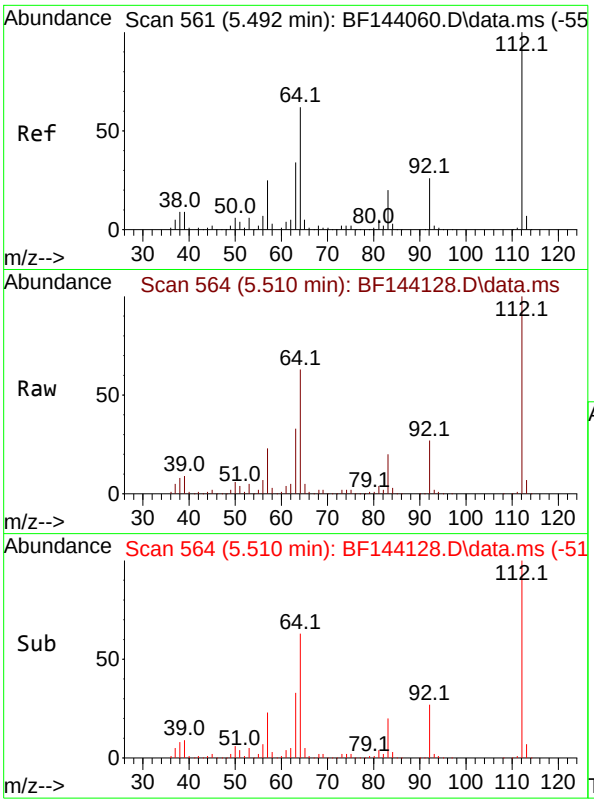


#4
n-Nitrosodimethylamine
Concen: 45.737 ng
RT: 3.463 min Scan# 216
Delta R.T. 0.118 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 42 Resp: 120490

Ion	Ratio	Lower	Upper
42	100		
74	103.3	76.4	114.6
44	6.5	5.2	7.8

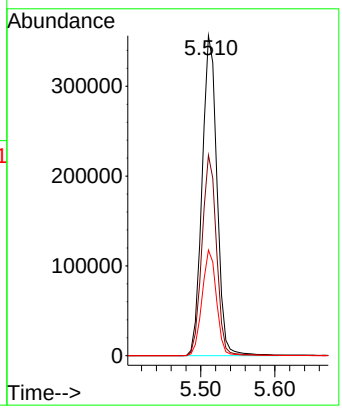




#5
2-Fluorophenol
Concen: 134.112 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:112 Resp: 49701

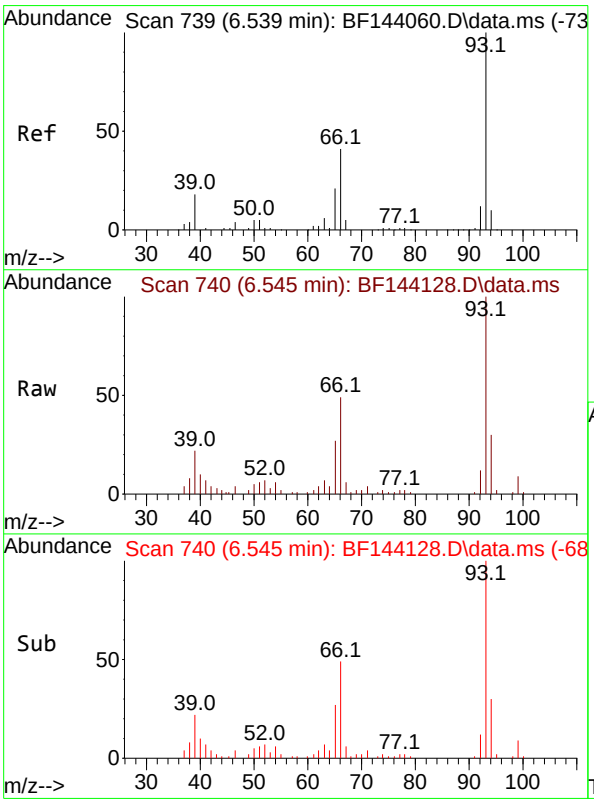
Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	33.0	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

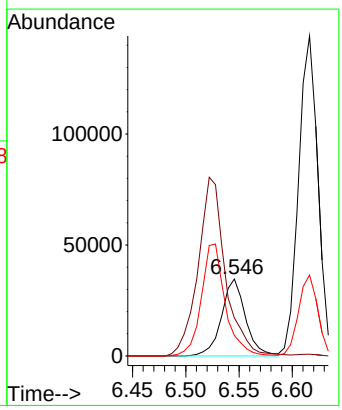
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

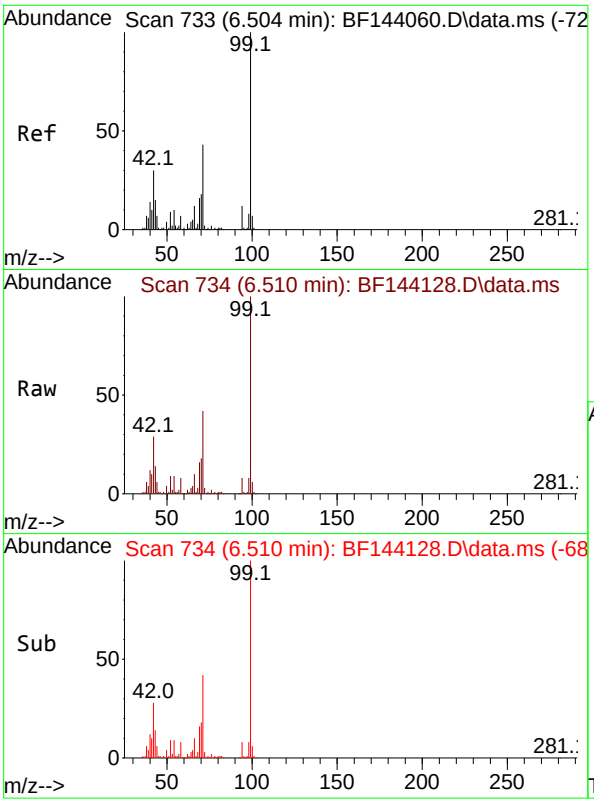


#6
Aniline
Concen: 9.253 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 93 Resp: 54181

Ion	Ratio	Lower	Upper
93	100		
66	49.2	35.7	53.5
65	26.6	17.0	25.6#

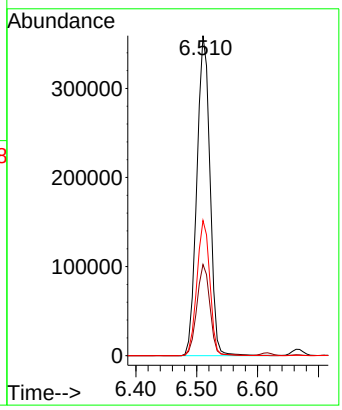




#7
Phenol-d6
Concen: 131.204 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 99 Resp: 53699

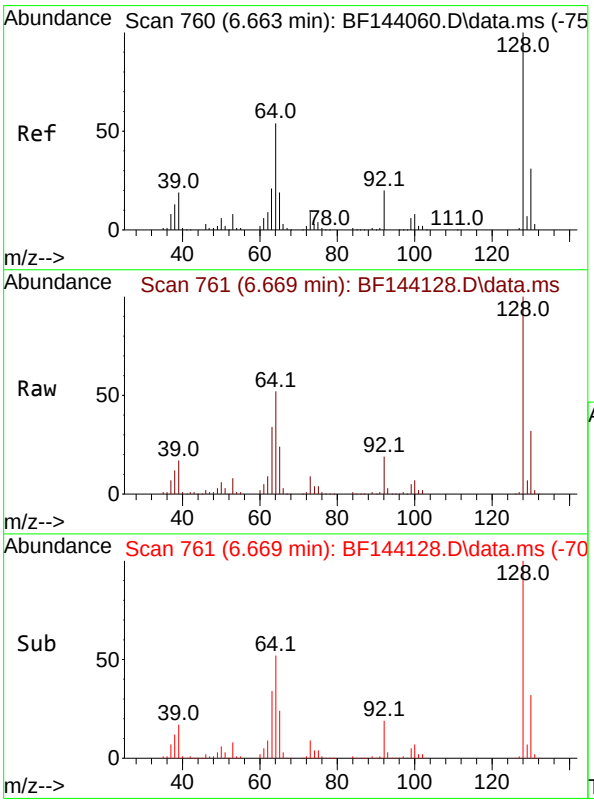
Ion	Ratio	Lower	Upper
99	100		
42	28.5	23.9	35.9
71	42.3	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

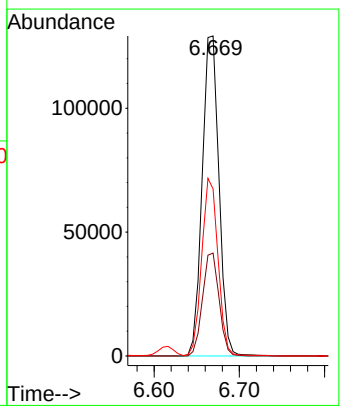
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

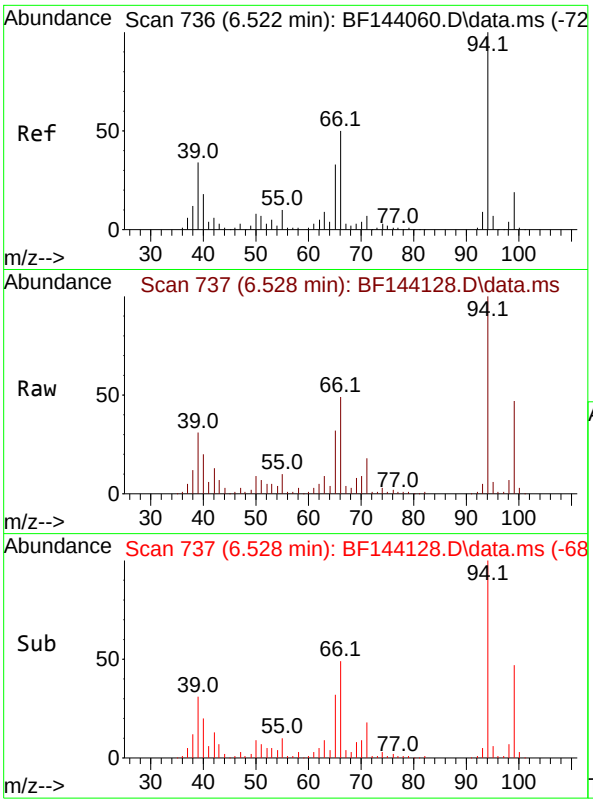


#8
2-Chlorophenol
Concen: 48.423 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:128 Resp: 176726

Ion	Ratio	Lower	Upper
128	100		
130	32.1	10.7	50.7
64	52.2	34.7	74.7

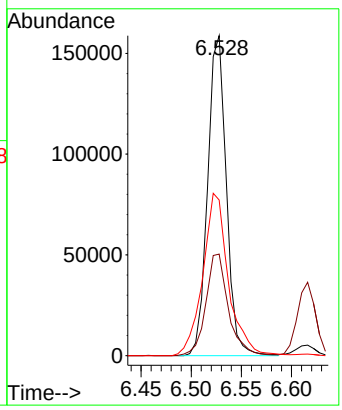




#10
Phenol
Concen: 40.912 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 94 Resp: 20658

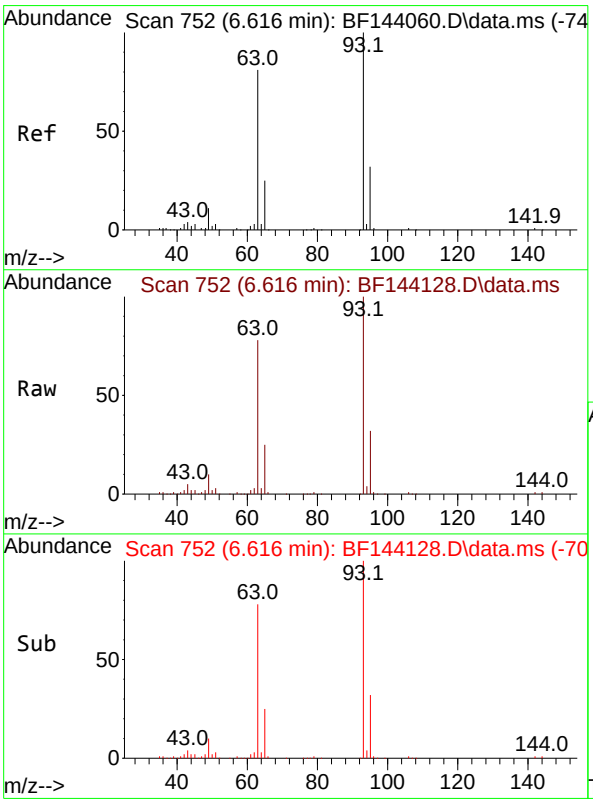
Ion	Ratio	Lower	Upper
94	100		
65	31.8	13.1	53.1
66	48.6	30.6	70.6



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

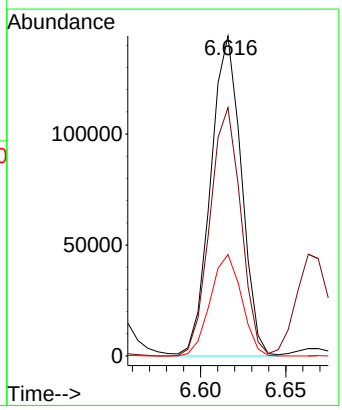
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

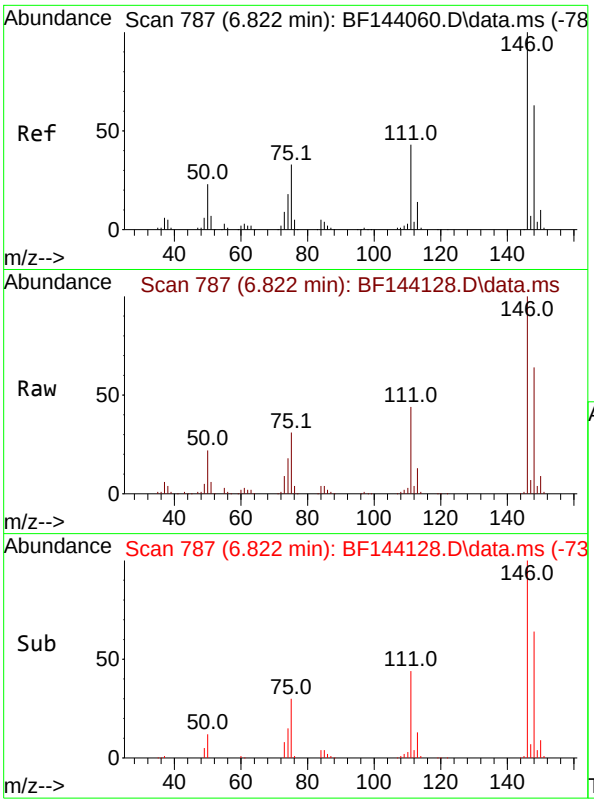


#11
bis(2-Chloroethyl)ether
Concen: 49.600 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 93 Resp: 180971

Ion	Ratio	Lower	Upper
93	100		
63	77.6	60.2	100.2
95	31.7	12.4	52.4





#12
1,3-Dichlorobenzene
Concen: 46.073 ng
RT: 6.822 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

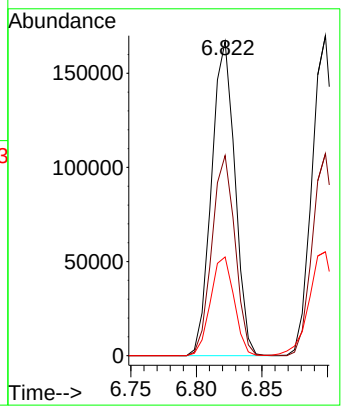
Tgt Ion:146 Resp: 20742

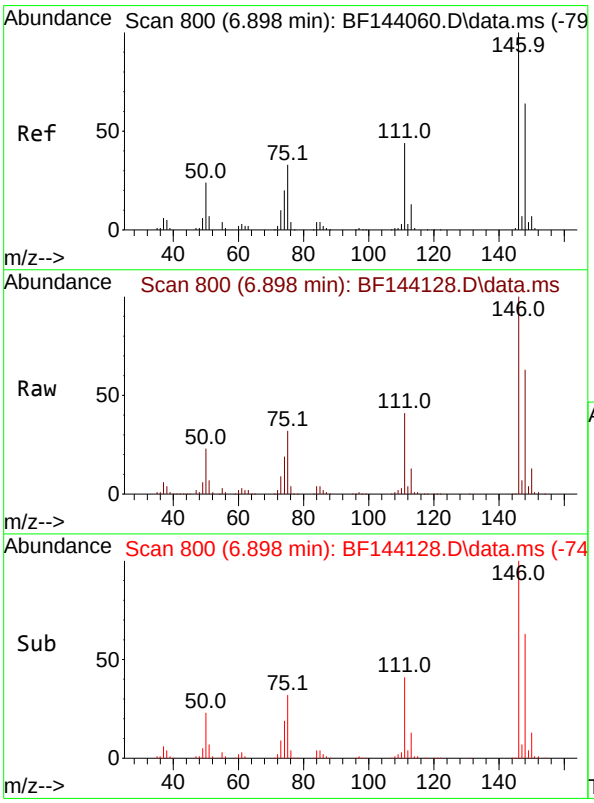
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	75.8
75	31.4	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

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

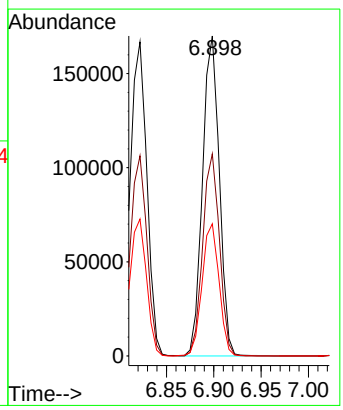


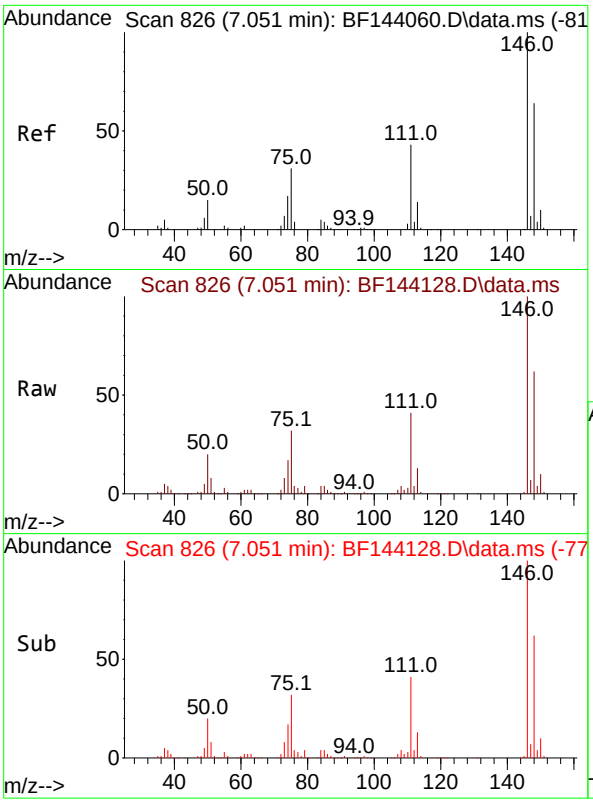


#13
1,4-Dichlorobenzene
Concen: 47.449 ng
RT: 6.898 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:146 Resp: 210520

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.6
111	41.3	35.0	52.6

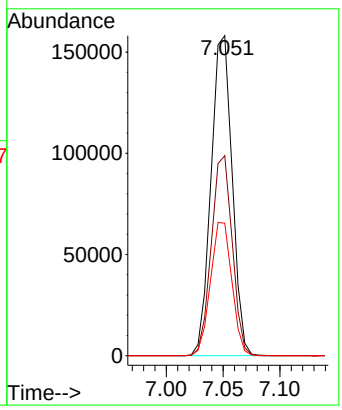




#14
1,2-Dichlorobenzene
Concen: 47.706 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:146 Resp: 20479

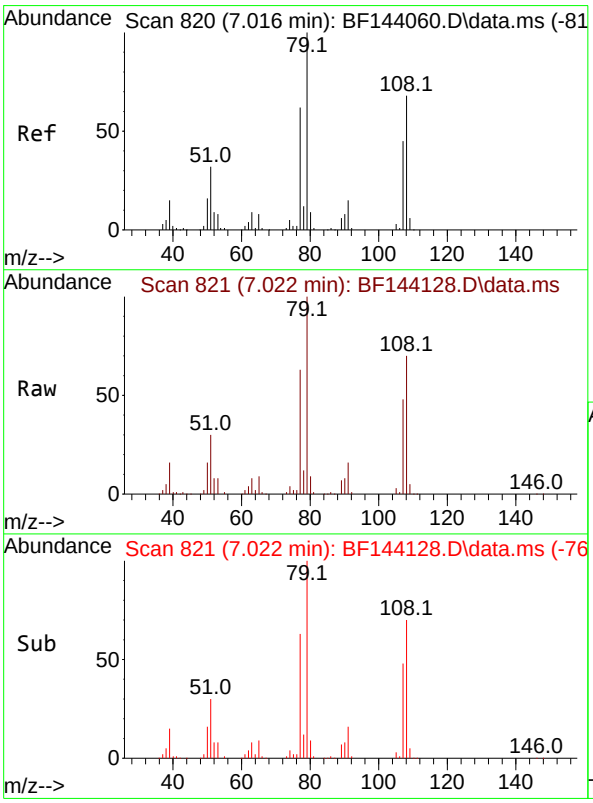
Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.8	76.2
111	41.4	34.7	52.1



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

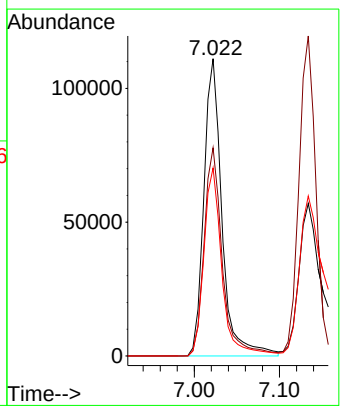
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

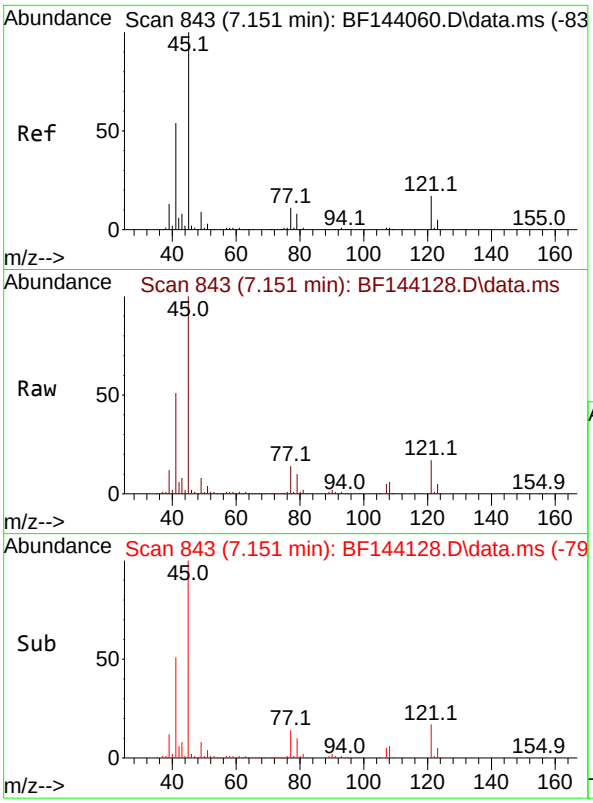


#15
Benzyl Alcohol
Concen: 49.271 ng
RT: 7.022 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 79 Resp: 163972

Ion	Ratio	Lower	Upper
79	100		
108	70.0	54.8	82.2
77	63.2	49.4	74.0

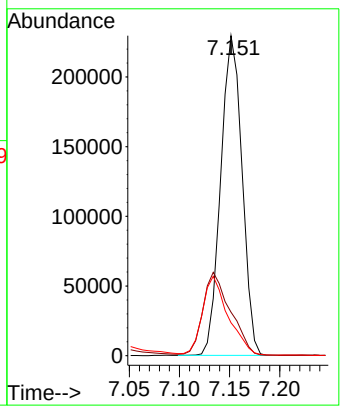




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.452 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 45 Resp: 33910

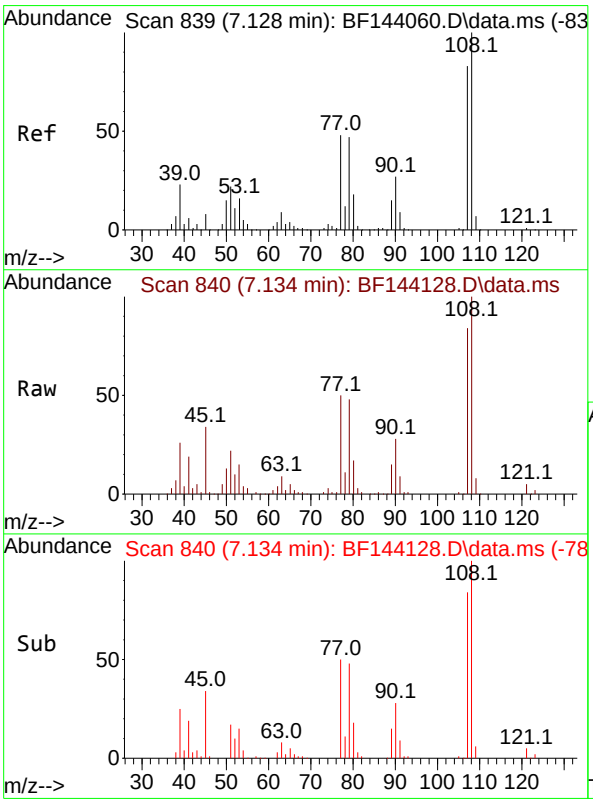
Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	30.9
79	10.3	0.0	28.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

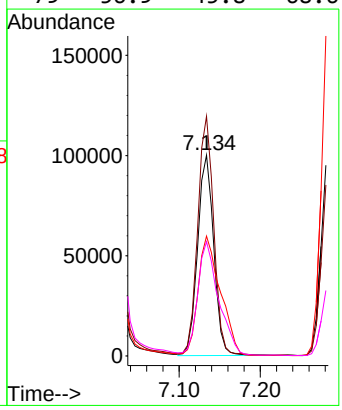
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

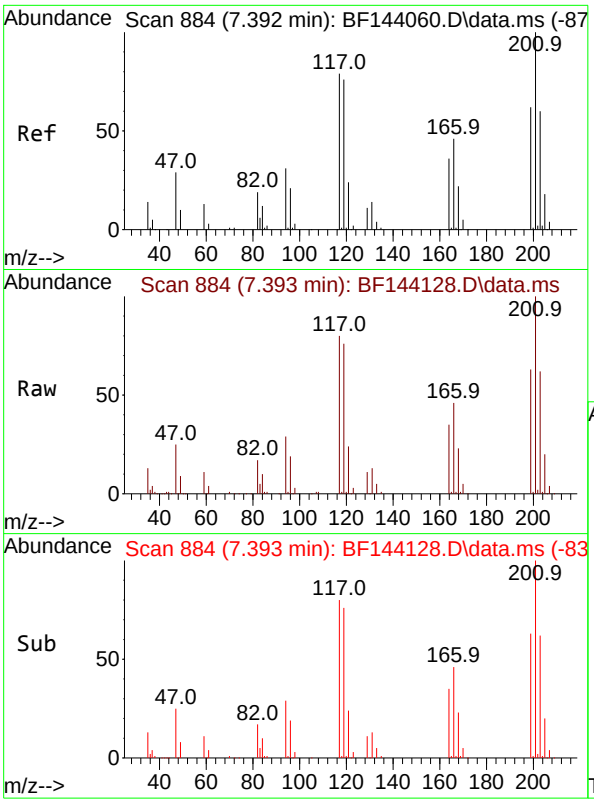


#17
2-Methylphenol
Concen: 49.272 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:107 Resp: 138304

Ion	Ratio	Lower	Upper
107	100		
108	119.3	96.4	144.6
77	59.7	46.8	70.2
79	56.9	45.8	68.6

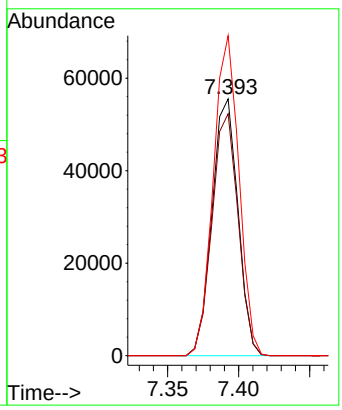




#18
Hexachloroethane
Concen: 44.489 ng
RT: 7.393 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:117 Resp: 7057

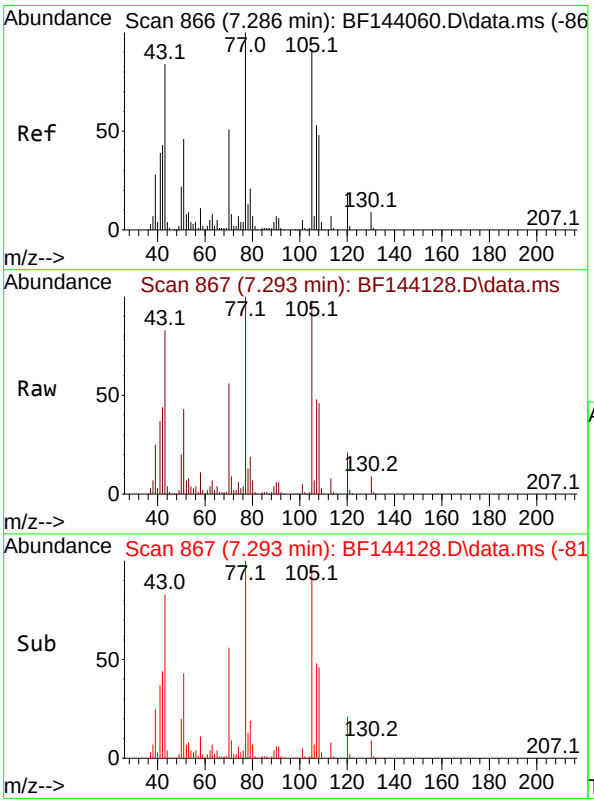
Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
201	124.6	100.9	151.3



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

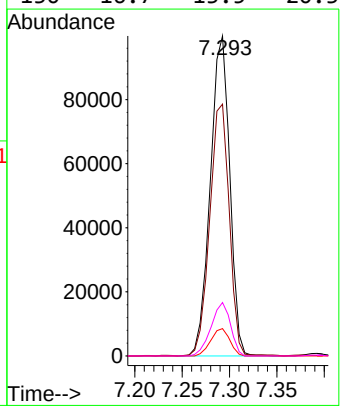
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

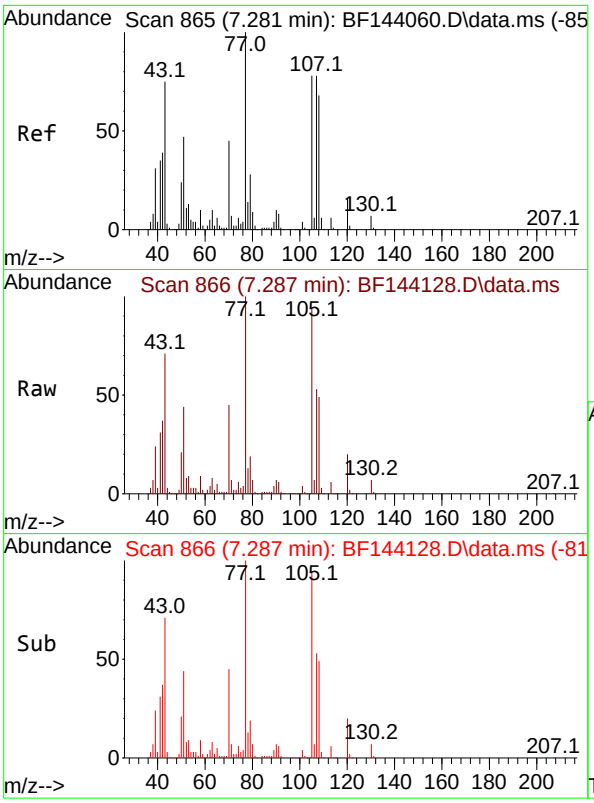


#19
n-Nitroso-di-n-propylamine
Concen: 53.732 ng
RT: 7.293 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 70 Resp: 142211

Ion	Ratio	Lower	Upper
70	100		
42	78.7	67.4	101.0
101	8.5	7.1	10.7
130	16.7	13.5	20.3

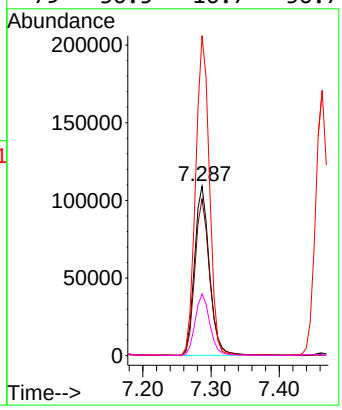




#20
3+4-Methylphenols
Concen: 49.802 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:107 Resp: 16525

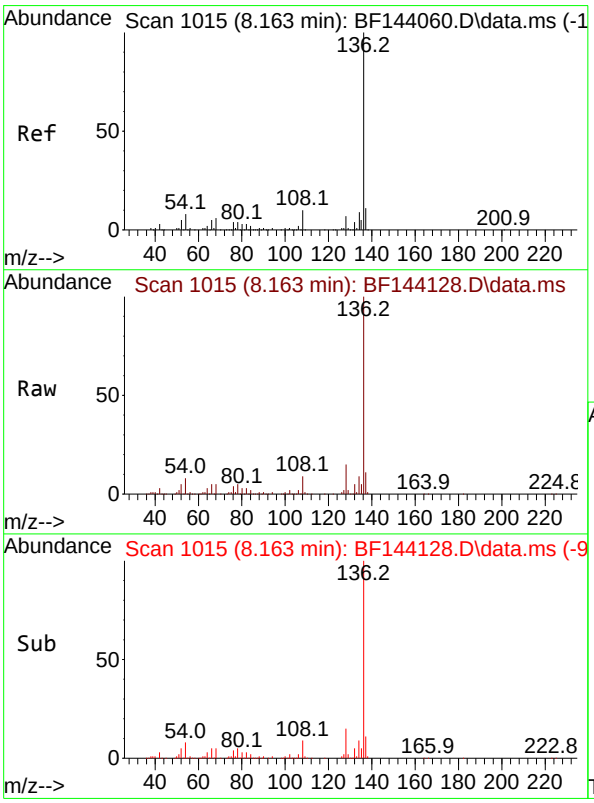
Ion	Ratio	Lower	Upper
107	100		
108	92.4	68.0	108.0
77	188.9	108.7	148.7
79	36.5	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

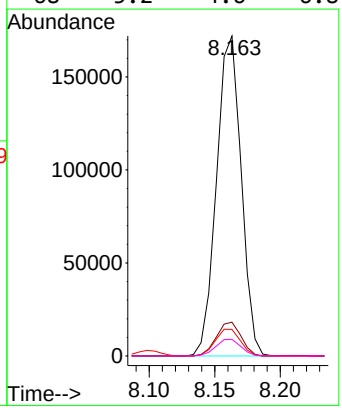
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

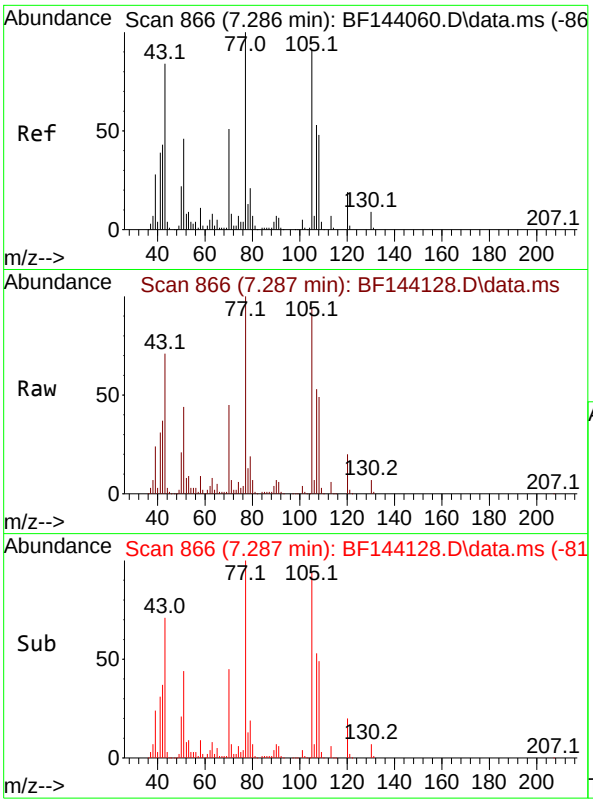


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:136 Resp: 225036

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.3	6.6	9.8
68	5.2	4.6	6.8

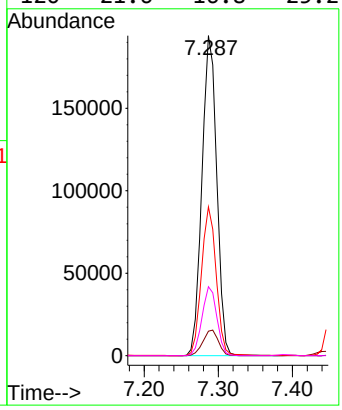




#22
Acetophenone
Concen: 55.512 ng
RT: 7.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:105 Resp: 26997

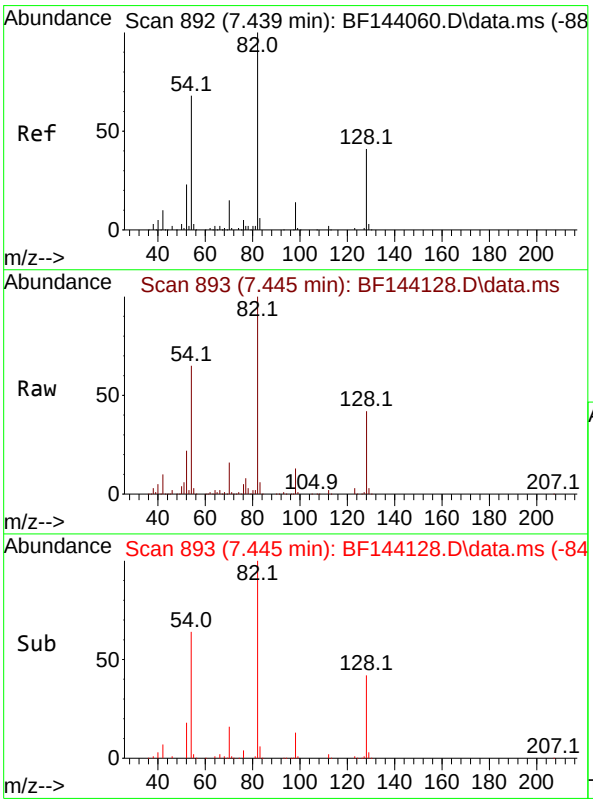
Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.9	10.3
51	46.5	40.6	60.8
120	21.6	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

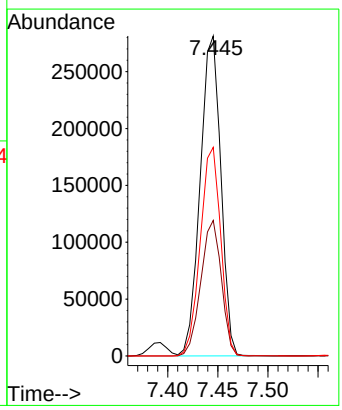
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

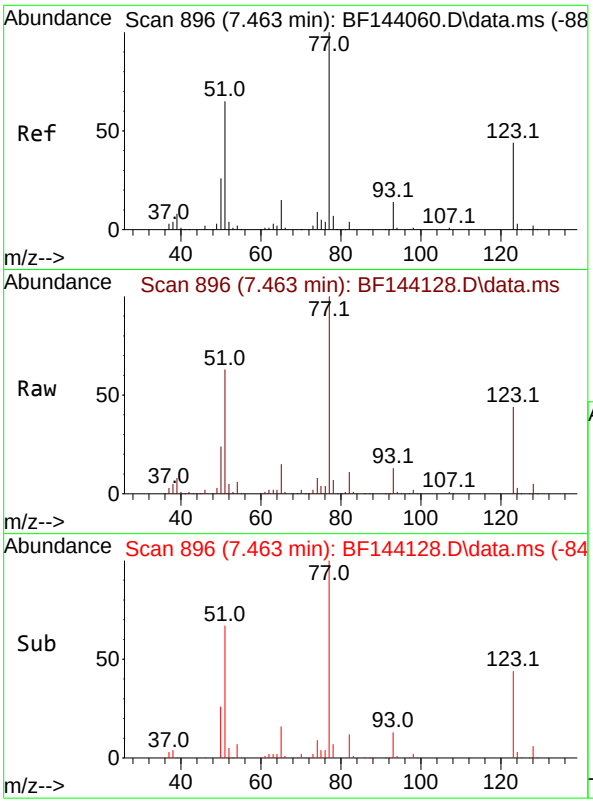


#23
Nitrobenzene-d5
Concen: 98.146 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 82 Resp: 403131

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.4	48.6
54	65.2	54.0	81.0

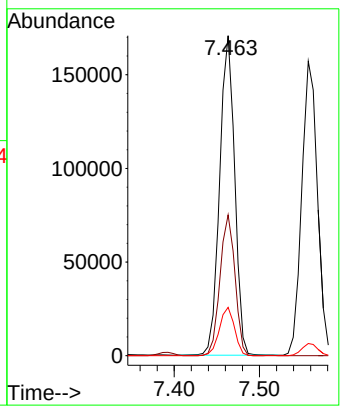




#24
Nitrobenzene
Concen: 48.204 ng
RT: 7.463 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 77 Resp: 20945

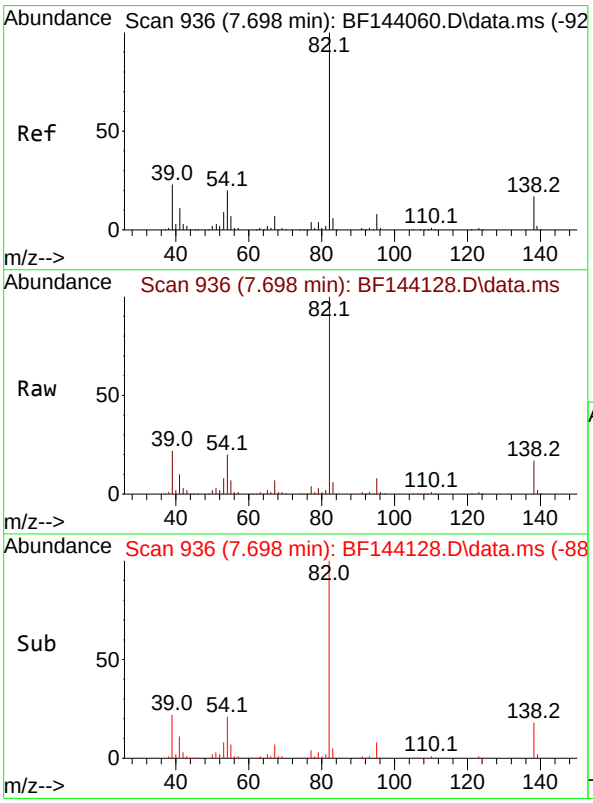
Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.0	52.6
65	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

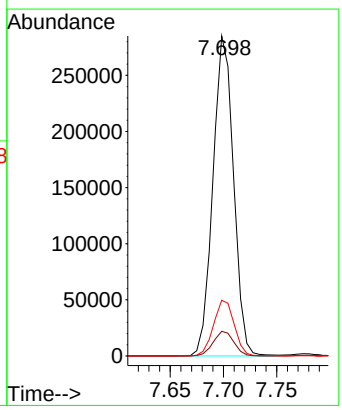
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

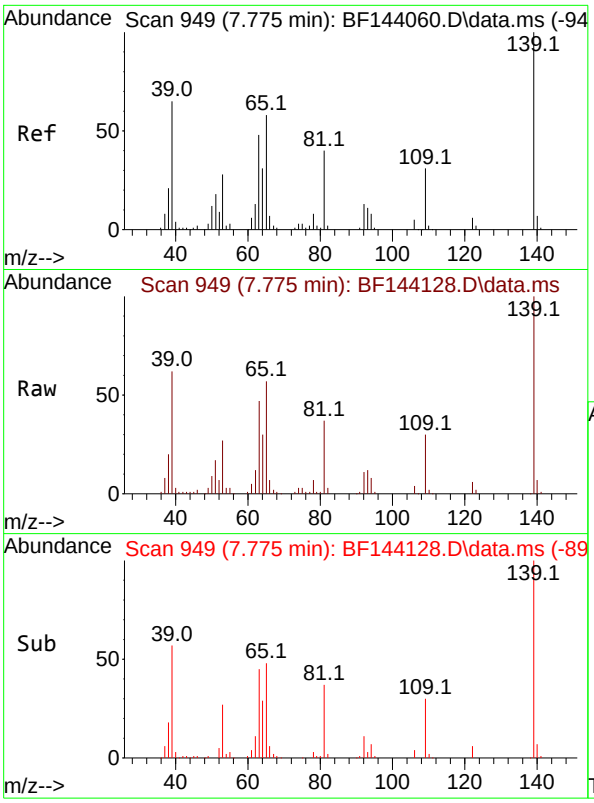


#25
Isophorone
Concen: 53.445 ng
RT: 7.698 min Scan# 936
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 82 Resp: 383797

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.6	9.8
138	17.4	13.8	20.8

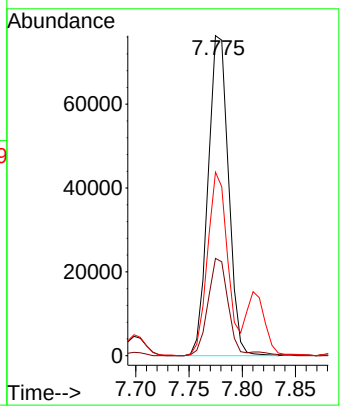




#26
2-Nitrophenol
Concen: 49.268 ng
RT: 7.775 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:139 Resp: 10183

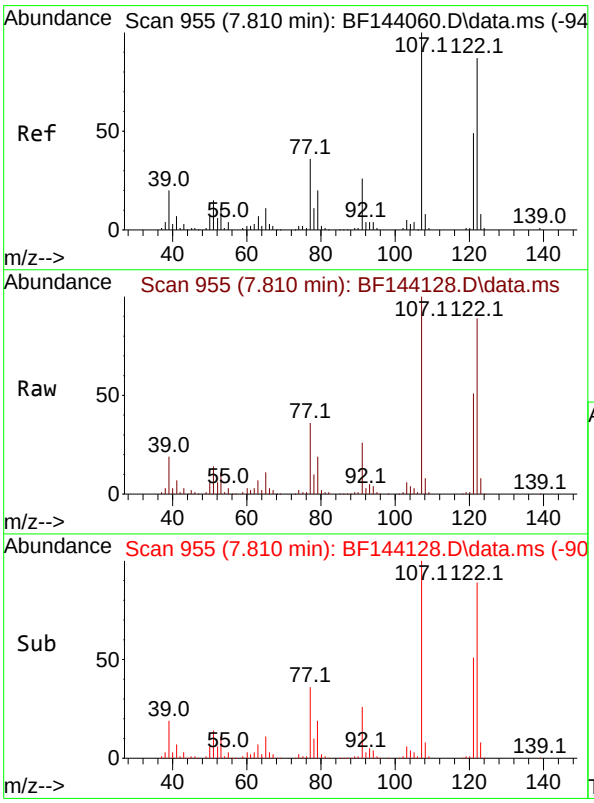
Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.6	37.0
65	57.3	46.6	69.8



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

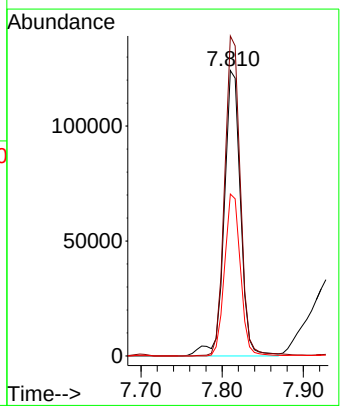
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

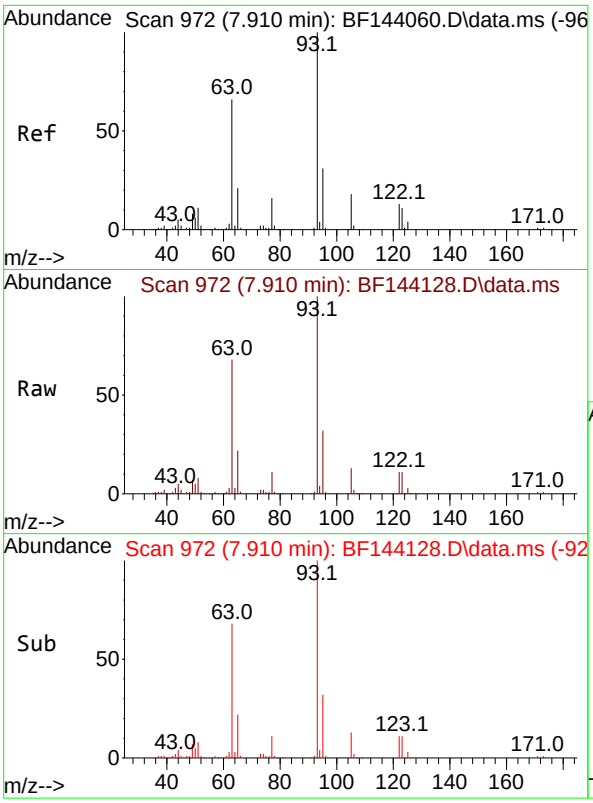


#27
2,4-Dimethylphenol
Concen: 56.642 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:122 Resp: 173988

Ion	Ratio	Lower	Upper
122	100		
107	112.1	91.8	137.8
121	56.7	45.2	67.8

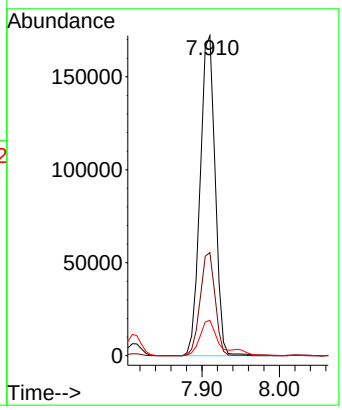




#28
bis(2-Chloroethoxy)methane
Concen: 51.728 ng
RT: 7.910 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 93 Resp: 23165

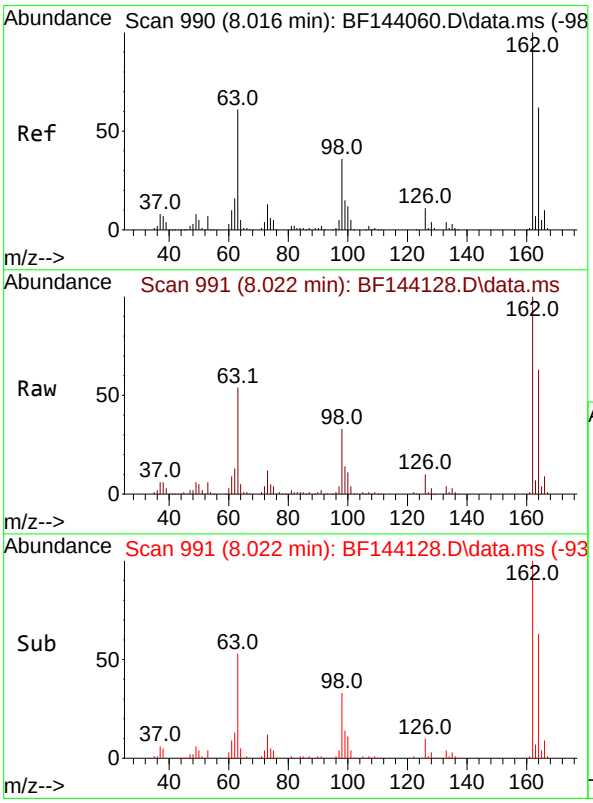
Ion	Ratio	Lower	Upper
93	100		
95	32.2	24.6	36.8
123	11.1	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

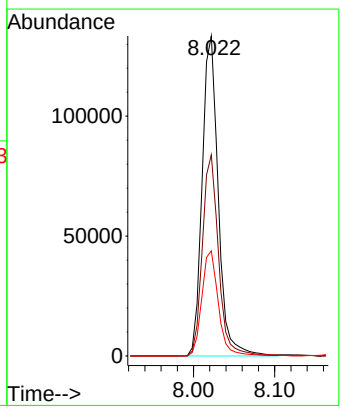
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

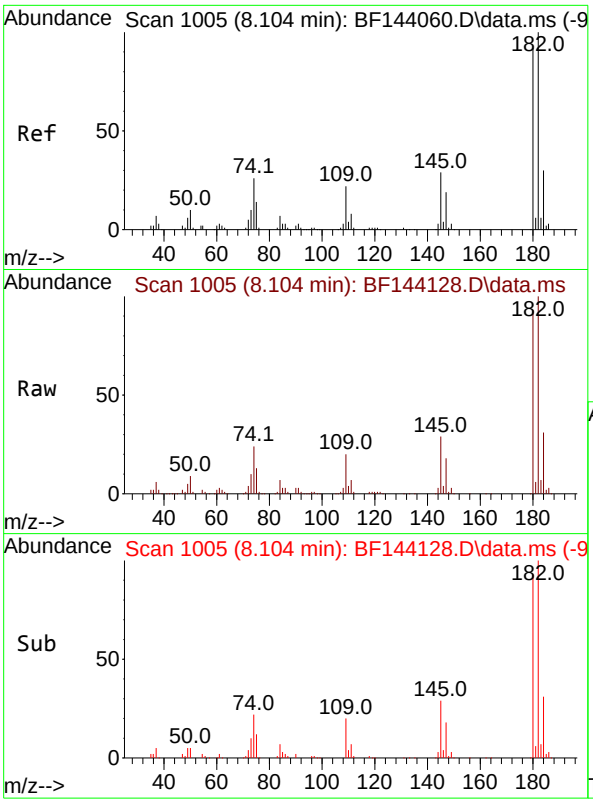


#29
2,4-Dichlorophenol
Concen: 51.426 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:162 Resp: 183704

Ion	Ratio	Lower	Upper
162	100		
164	62.8	42.1	82.1
98	32.8	16.0	56.0

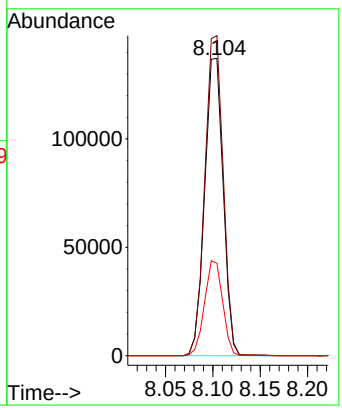




#30
1,2,4-Trichlorobenzene
Concen: 50.657 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:180 Resp: 18616

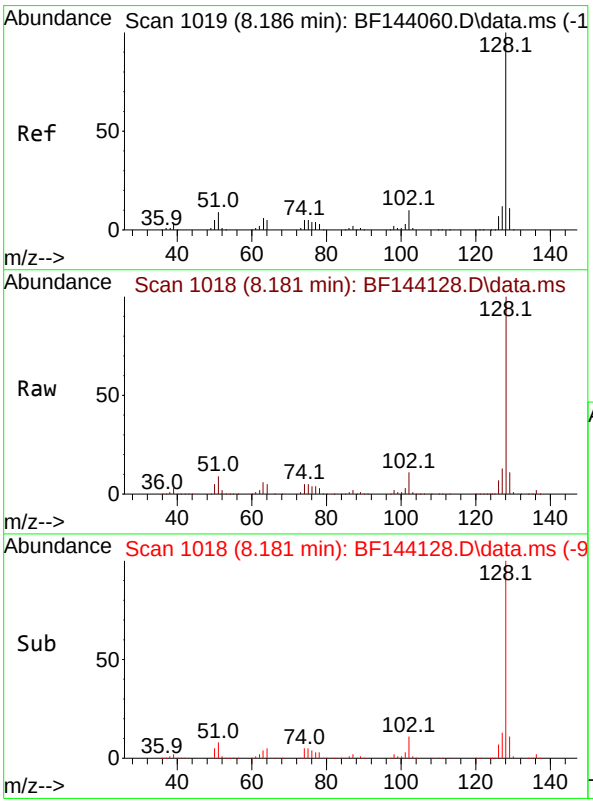
Ion	Ratio	Lower	Upper
180	100		
182	107.7	87.1	130.7
145	31.1	25.3	37.9



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

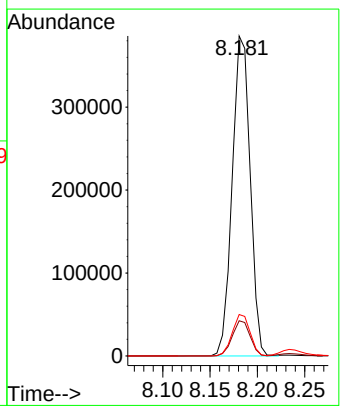
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

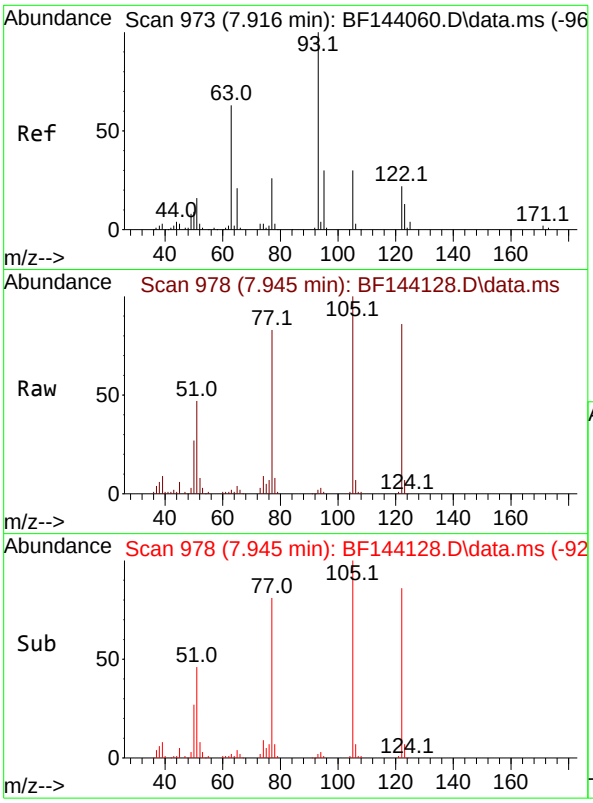


#31
Naphthalene
Concen: 47.829 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:128 Resp: 507996

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	12.9	9.9	14.9

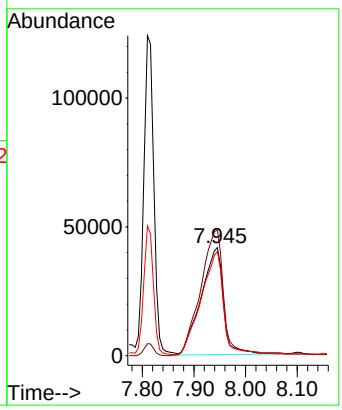




#32
Benzoic acid
Concen: 63.871 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.030 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

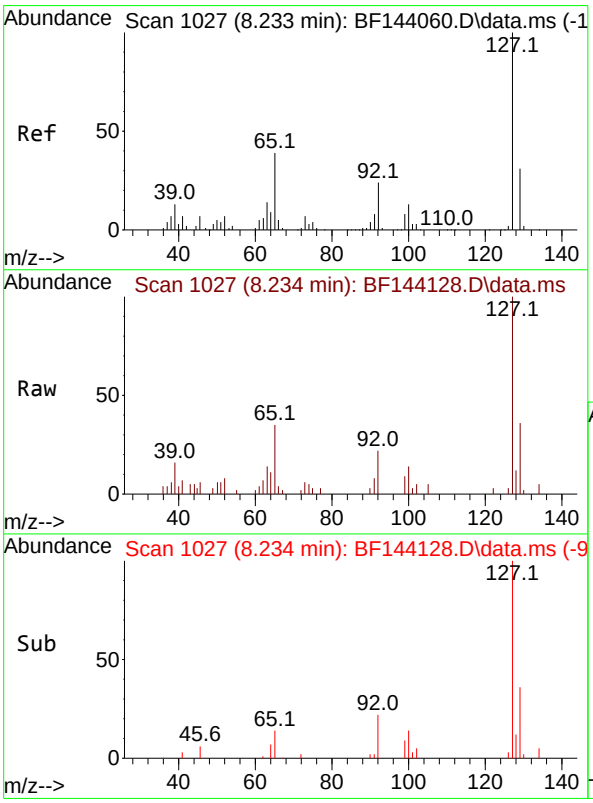
Tgt Ion:122 Resp: 12444

Ion	Ratio	Lower	Upper
122	100		
105	116.5	111.3	151.3
77	96.6	96.7	136.7



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

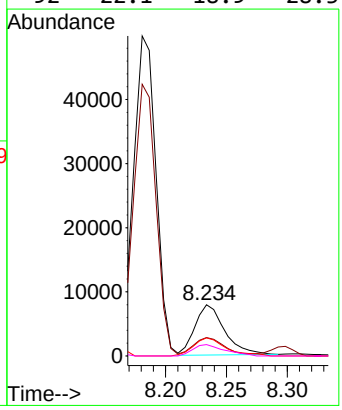
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

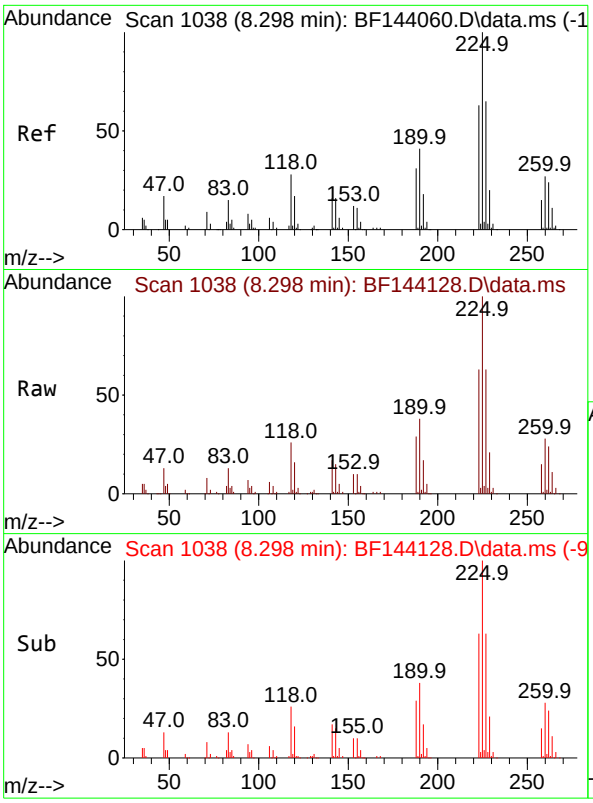


#33
4-Chloroaniline
Concen: 3.588 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:127 Resp: 13267

Ion	Ratio	Lower	Upper
127	100		
129	35.9	25.6	38.4
65	35.3	30.9	46.3
92	22.1	18.9	28.3

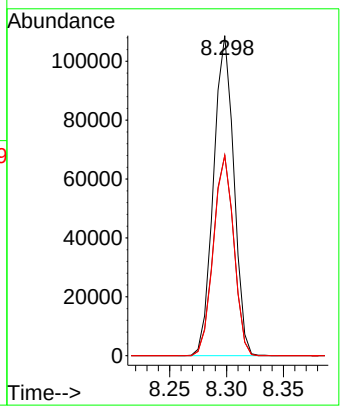




#34
Hexachlorobutadiene
Concen: 44.943 ng
RT: 8.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:225 Resp: 13505

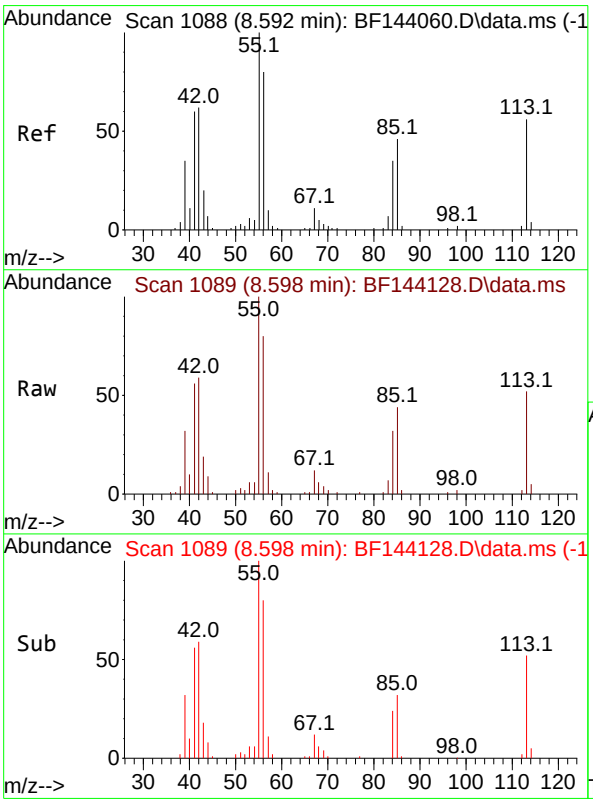
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	62.6	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

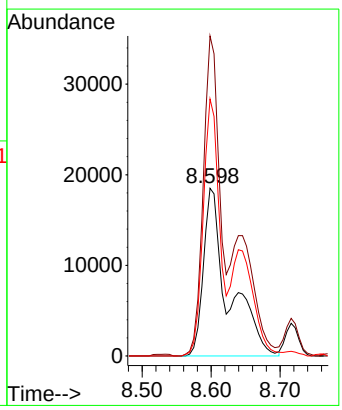
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

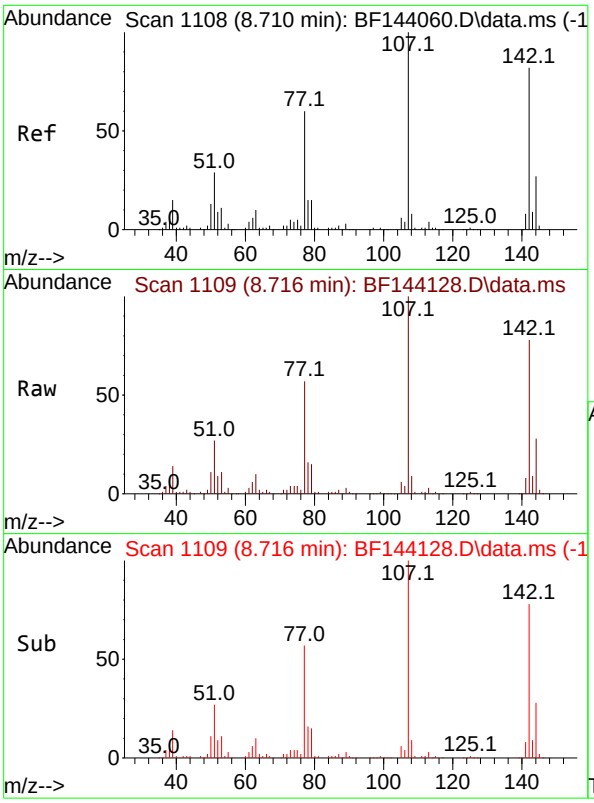


#35
Caprolactam
Concen: 52.232 ng m
RT: 8.598 min Scan# 1089
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:113 Resp: 46789

Ion	Ratio	Lower	Upper
113	100		
55	190.8	160.1	200.1
56	153.2	124.9	164.9





#36
4-Chloro-3-methylphenol
Concen: 52.853 ng
RT: 8.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

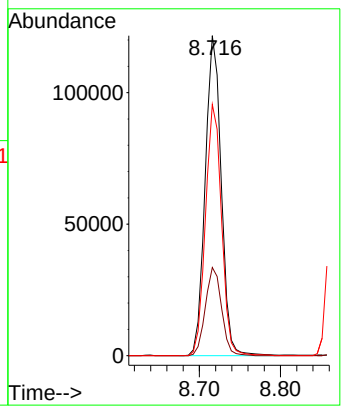
Tgt Ion:107 Resp: 16661

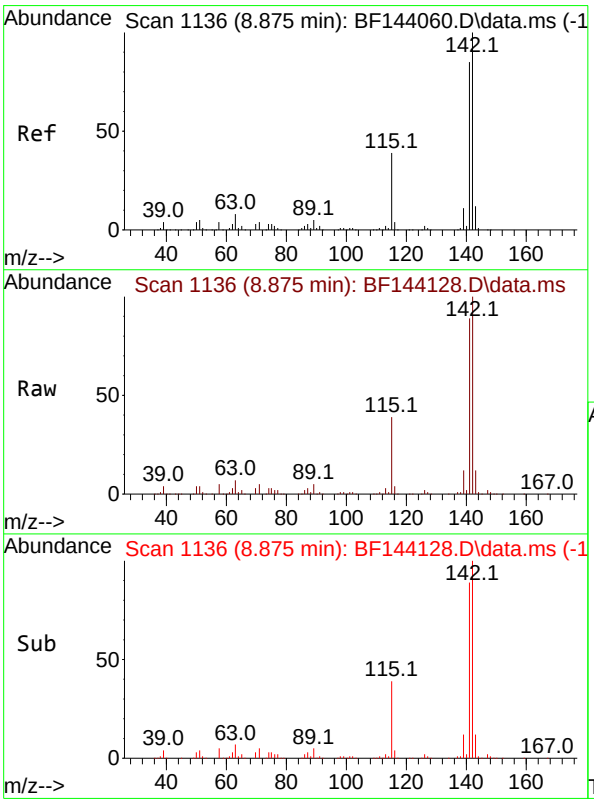
Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.6	32.4
142	78.5	65.4	98.0

Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

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

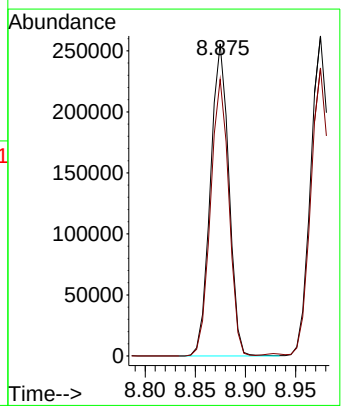


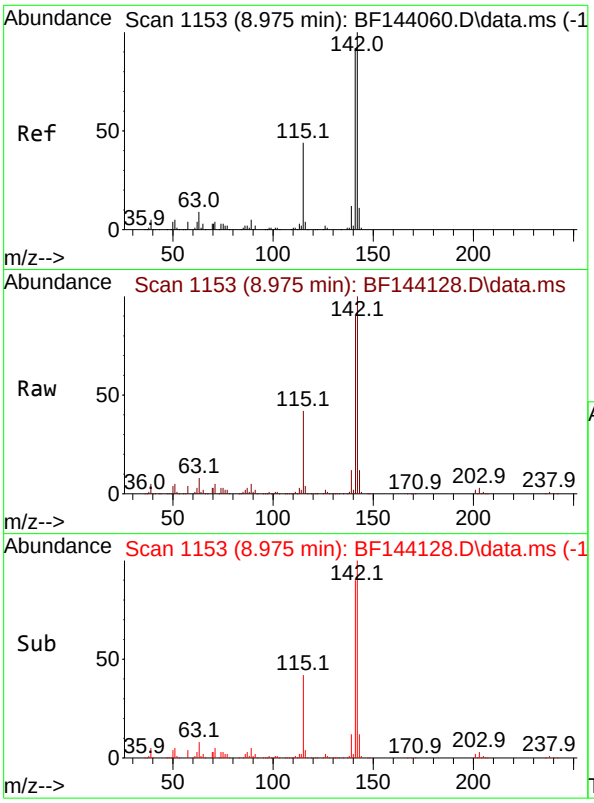


#37
2-Methylnaphthalene
Concen: 46.683 ng
RT: 8.875 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:142 Resp: 326905

Ion	Ratio	Lower	Upper
142	100		
141	88.6	67.6	101.4

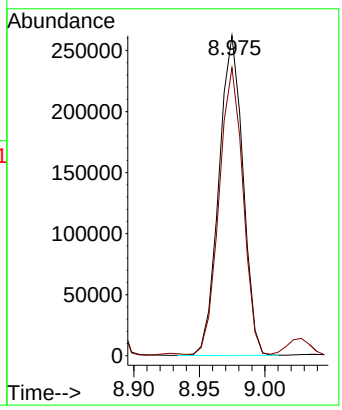




#38
1-Methylnaphthalene
Concen: 50.273 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:142 Resp: 33352

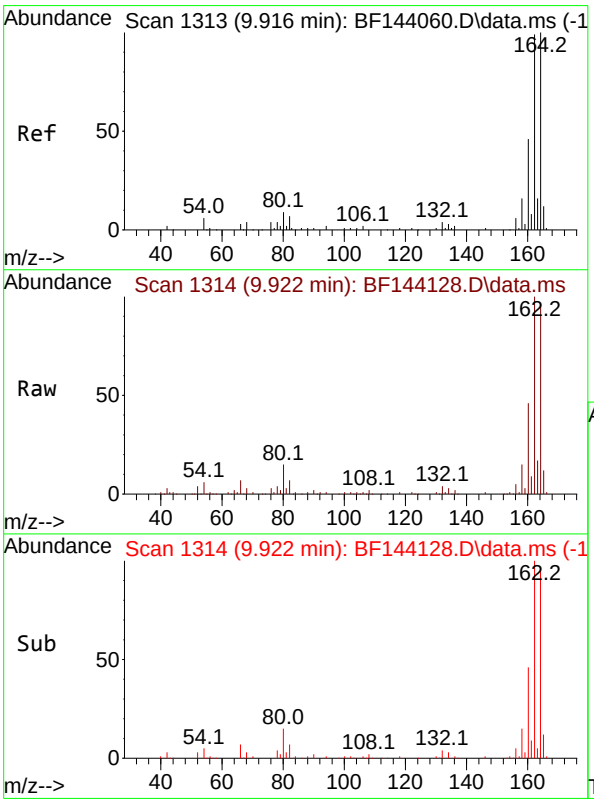
Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.4	110.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

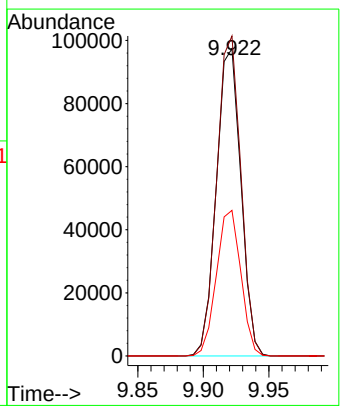
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

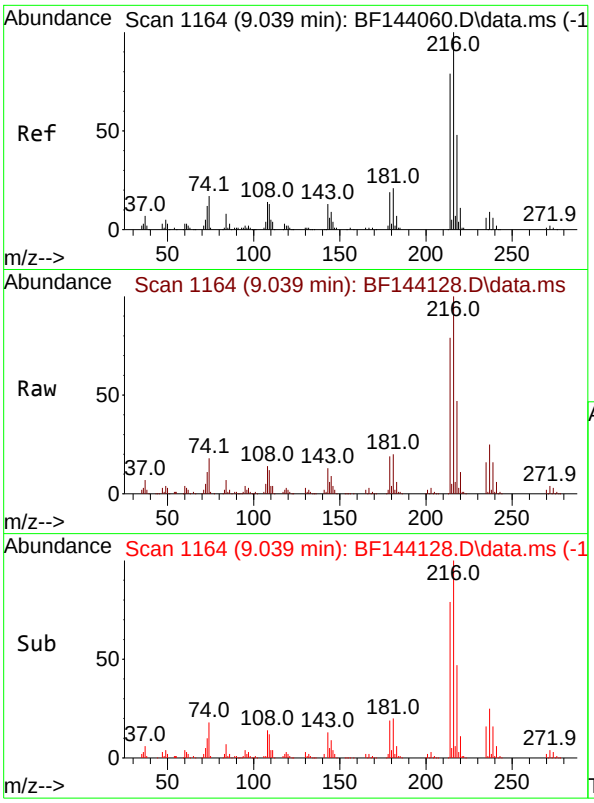


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:164 Resp: 126691

Ion	Ratio	Lower	Upper
164	100		
162	104.1	79.4	119.2
160	47.4	36.7	55.1

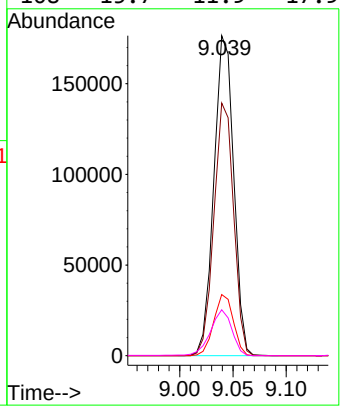




#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.268 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:216 Resp: 22758

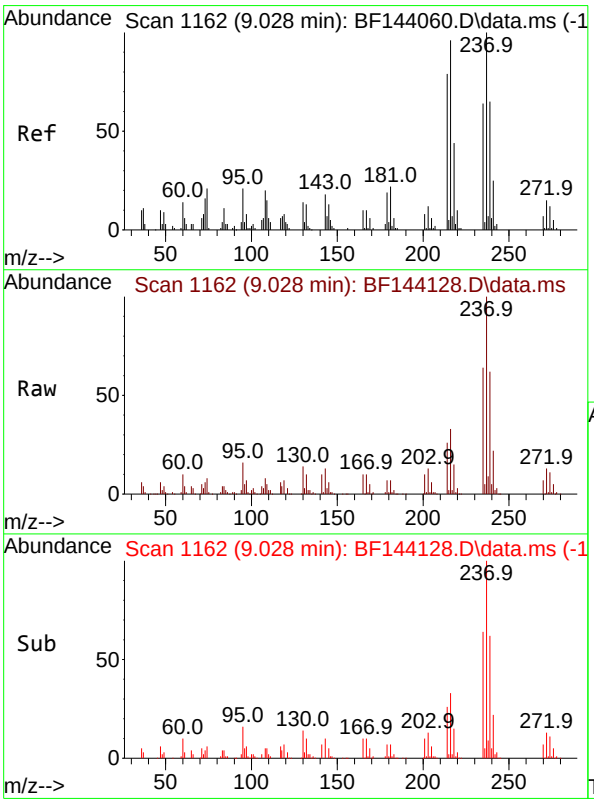
Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	18.9	15.2	22.8
108	15.7	11.9	17.9



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

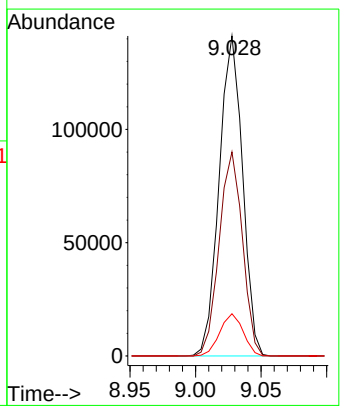
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

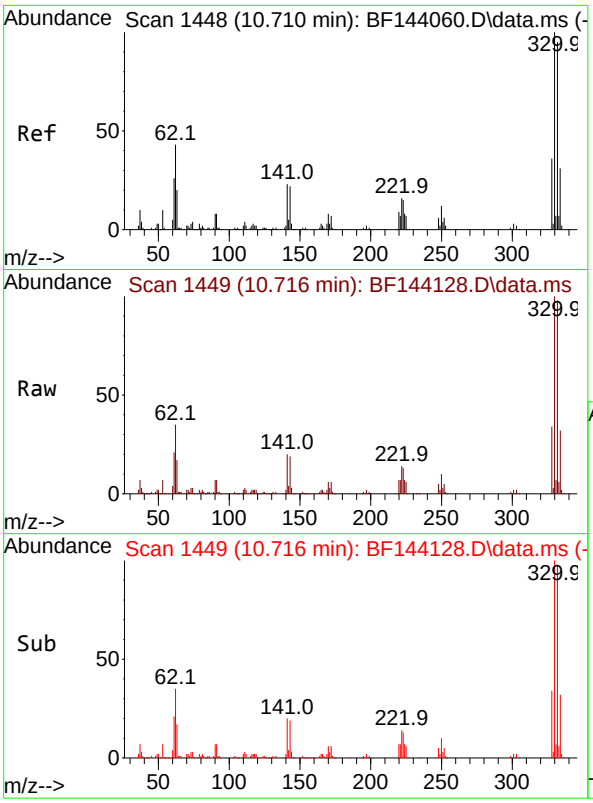


#41
Hexachlorocyclopentadiene
Concen: 130.069 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:237 Resp: 174921

Ion	Ratio	Lower	Upper
237	100		
235	63.8	44.3	84.3
272	13.2	0.0	35.2

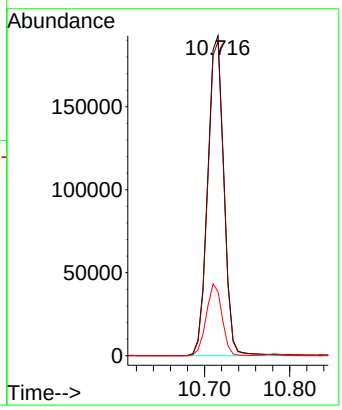




#42
2,4,6-Tribromophenol
Concen: 158.484 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:330 Resp: 25576

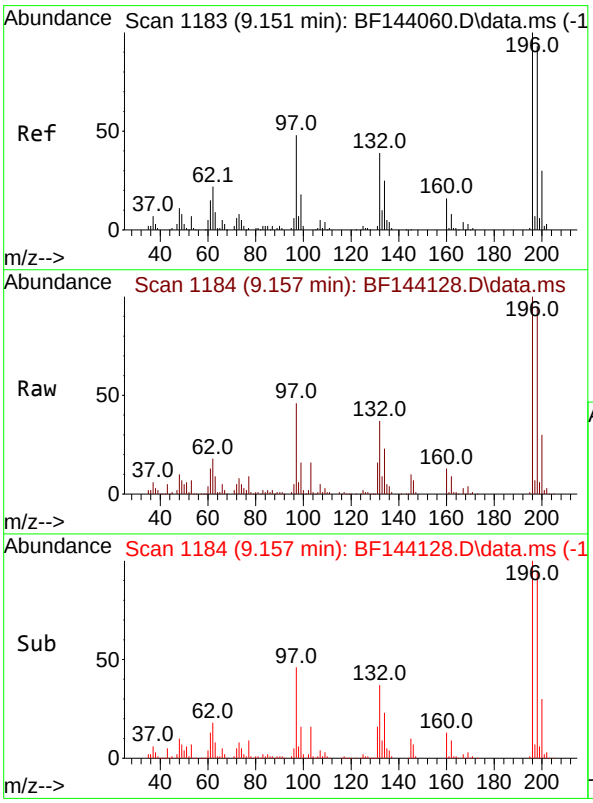
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	21.7	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

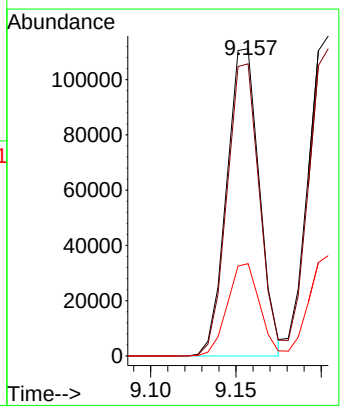
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

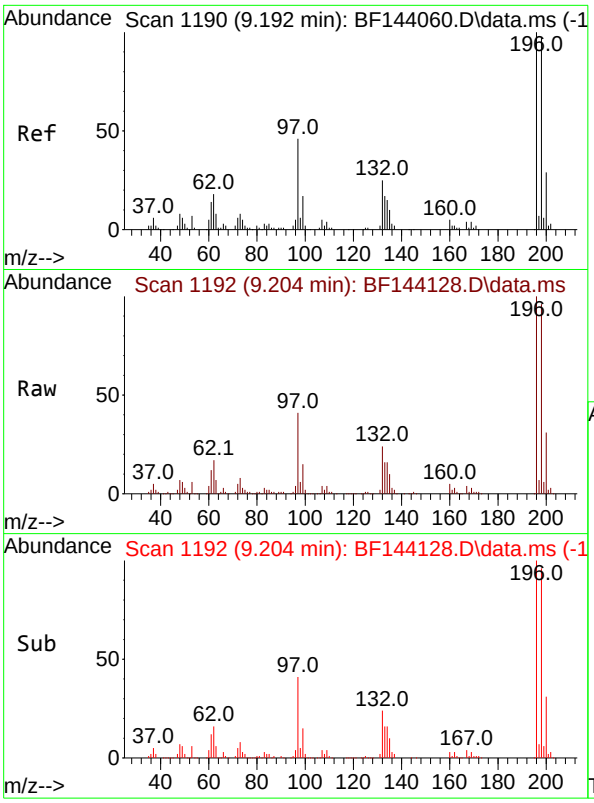


#43
2,4,6-Trichlorophenol
Concen: 52.218 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:196 Resp: 147786

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.4	111.6
200	30.1	23.8	35.8

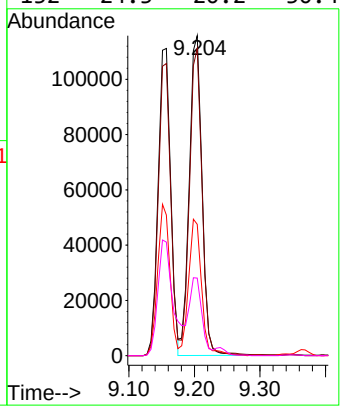




#44
2,4,5-Trichlorophenol
Concen: 52.758 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:196 Resp: 15670

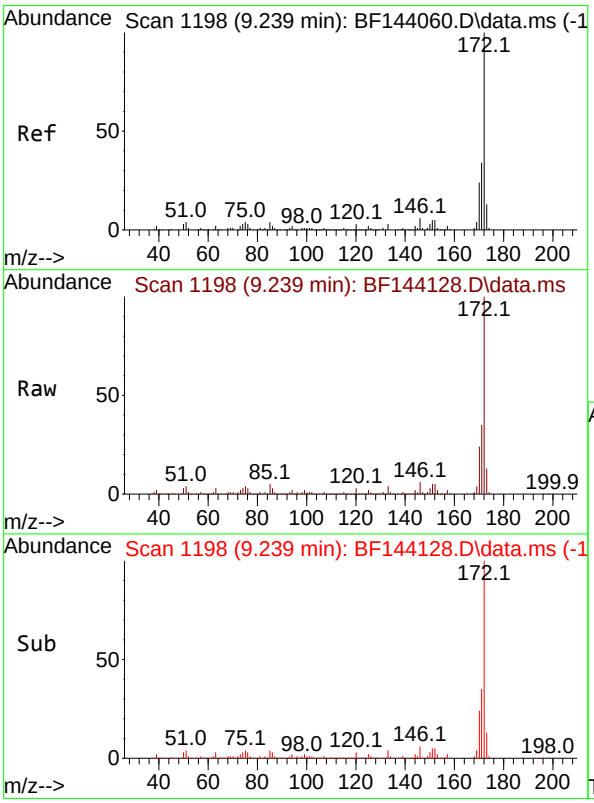
Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.0	117.0
97	41.0	37.7	56.5
132	24.3	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

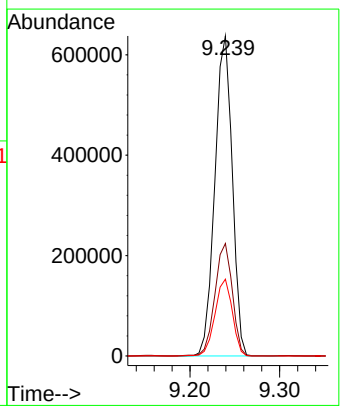
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

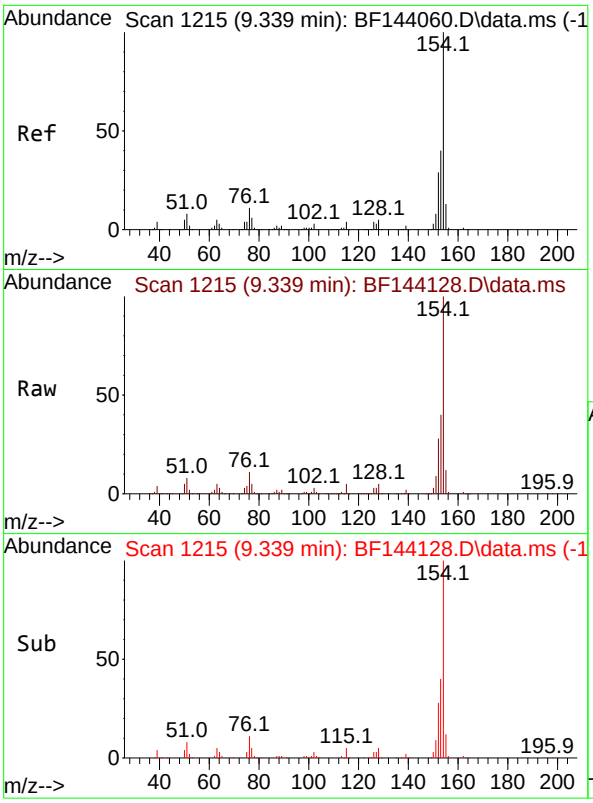


#45
2-Fluorobiphenyl
Concen: 95.196 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:172 Resp: 857048

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.5	41.3
170	24.0	19.0	28.6

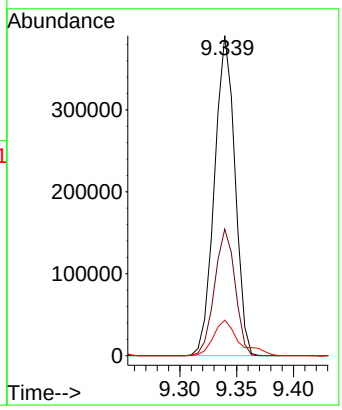




#46
1,1'-Biphenyl
Concen: 54.102 ng
RT: 9.339 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:154 Resp: 49066

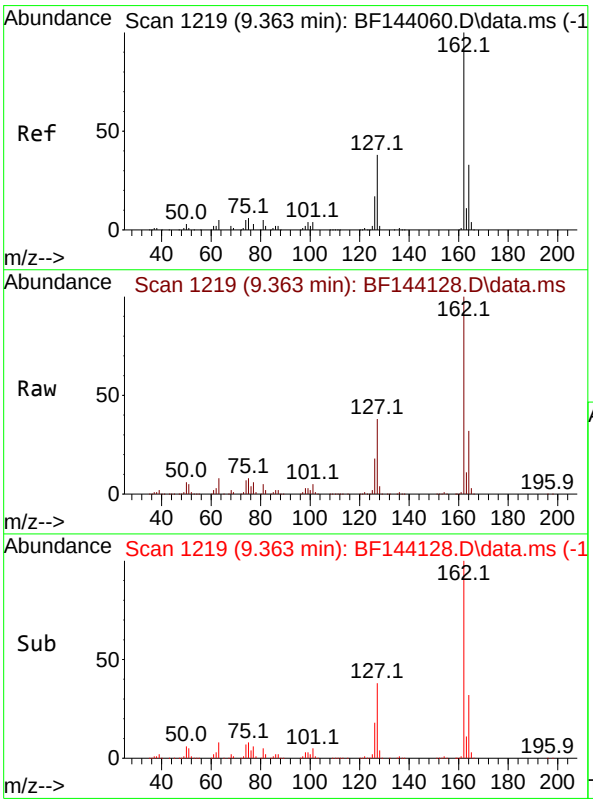
Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.7	59.7
76	11.1	0.0	31.1



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

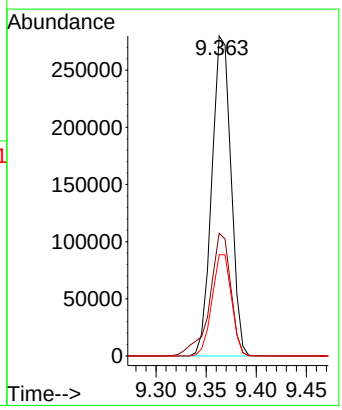
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

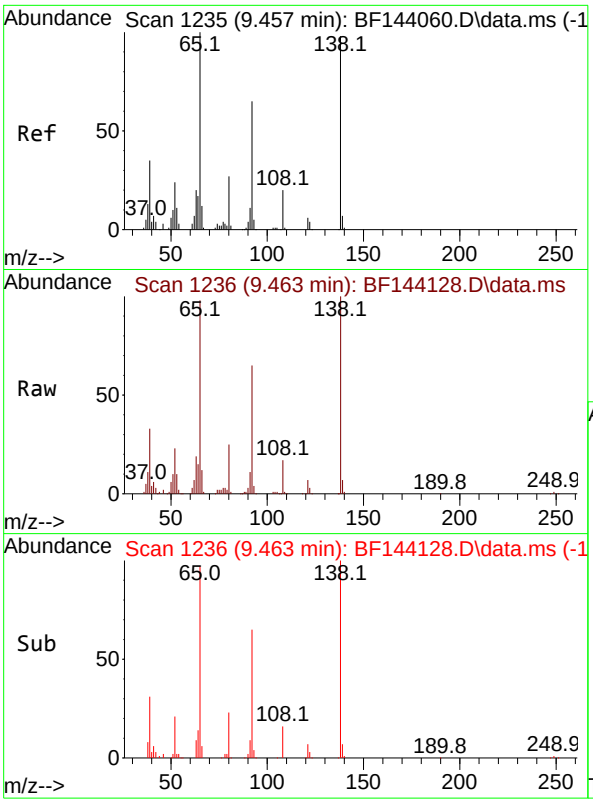


#47
2-Chloronaphthalene
Concen: 49.082 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:162 Resp: 372919

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.6	47.4
164	31.6	26.5	39.7

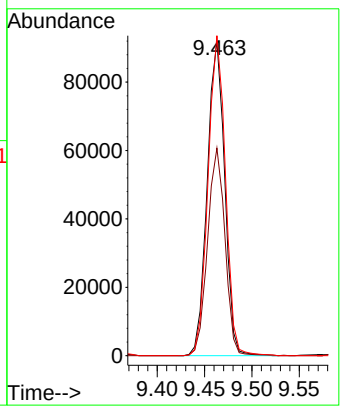




#48
2-Nitroaniline
Concen: 52.114 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 65 Resp: 11757

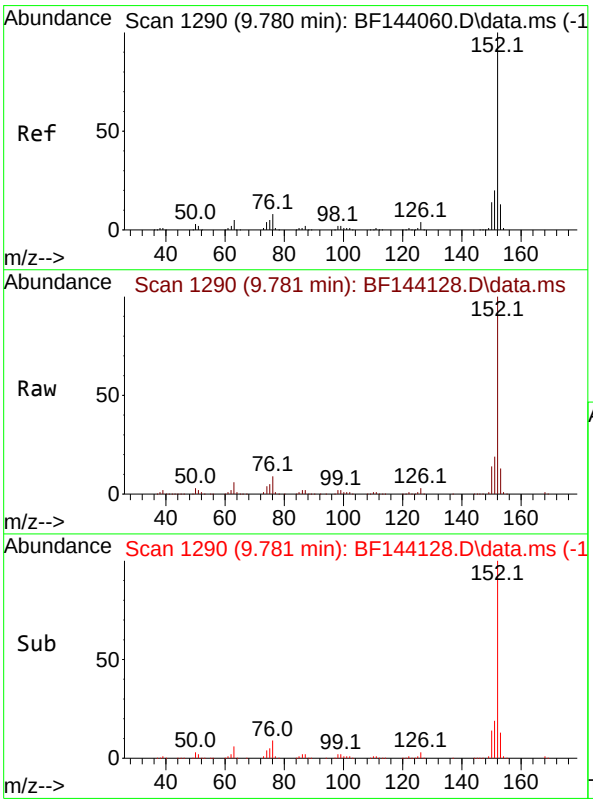
Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.3	78.5
138	101.6	78.3	117.5



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

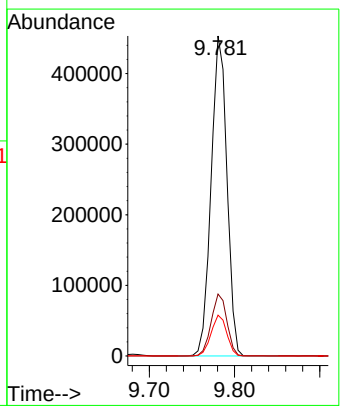
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

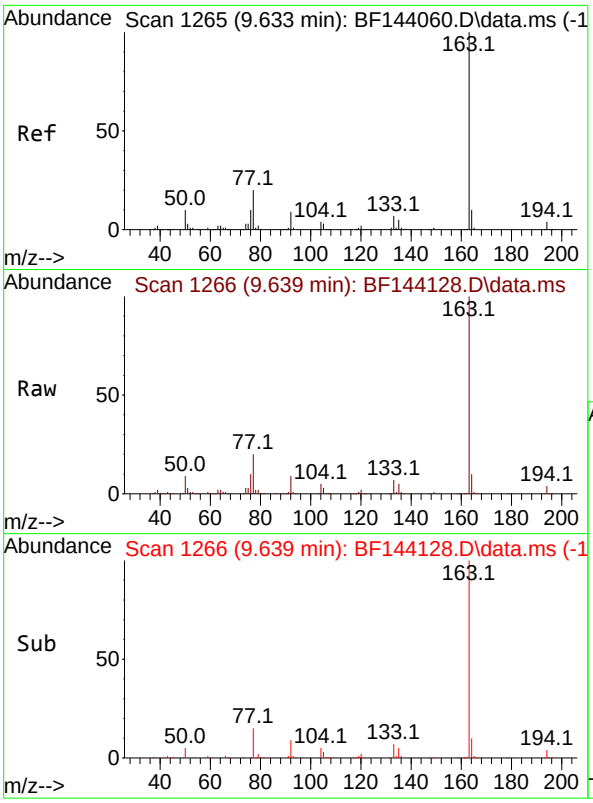


#49
Acenaphthylene
Concen: 57.154 ng
RT: 9.781 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:152 Resp: 585529

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.7	10.4	15.6

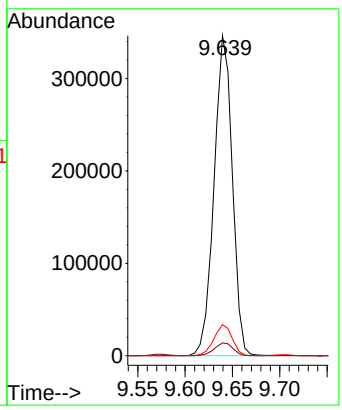




#50
Dimethylphthalate
Concen: 56.101 ng
RT: 9.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:163 Resp: 46588

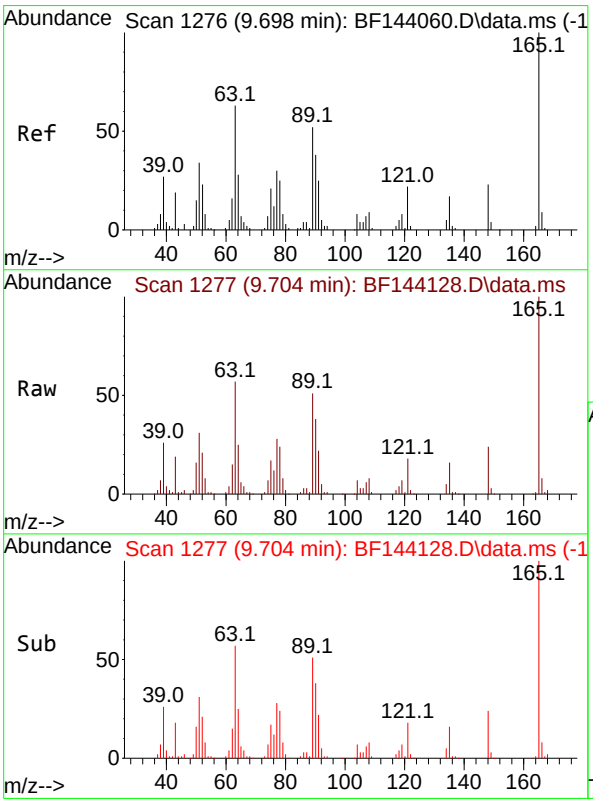
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.7	7.8	11.8



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

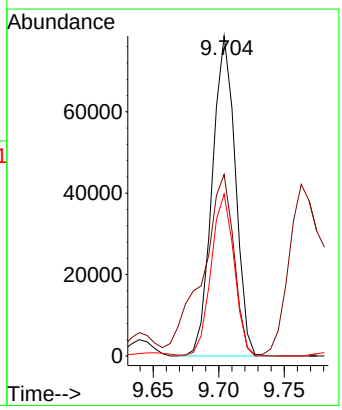
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

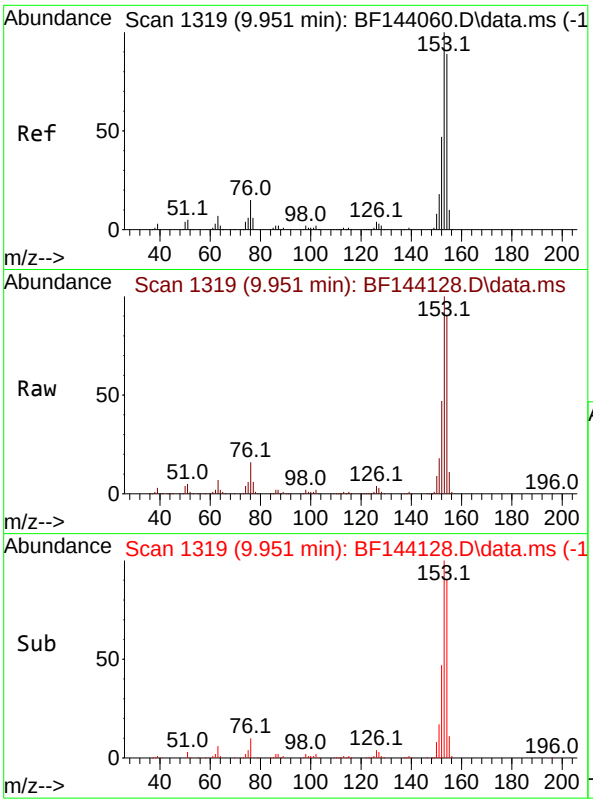


#51
2,6-Dinitrotoluene
Concen: 58.578 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:165 Resp: 96167

Ion	Ratio	Lower	Upper
165	100		
63	56.7	50.4	75.6
89	50.6	41.4	62.2

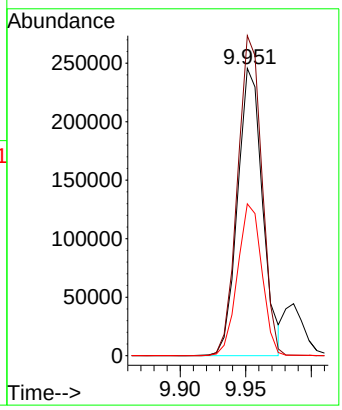




#52
Acenaphthene
Concen: 47.566 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:154 Resp: 32544

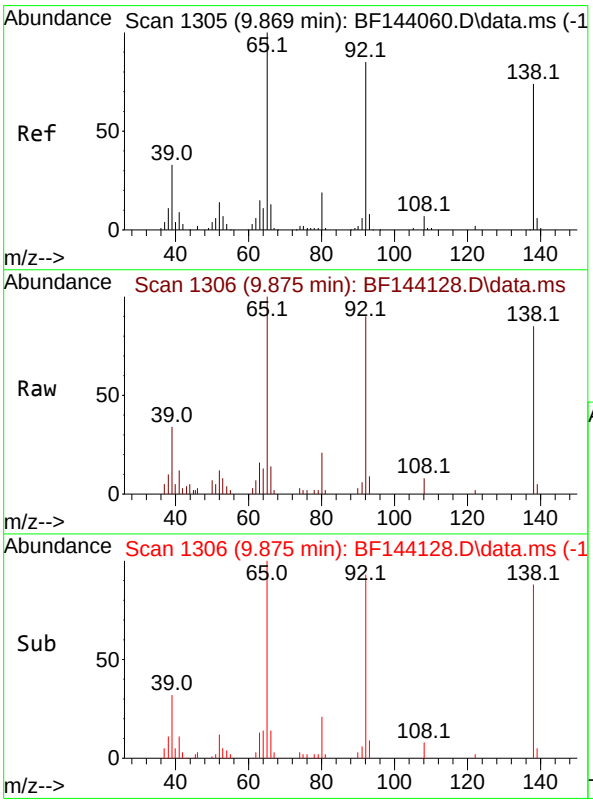
Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.9	134.9
152	52.9	42.0	63.0



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

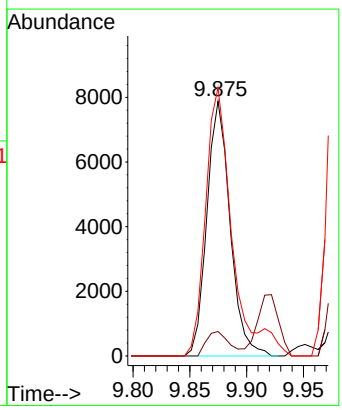
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

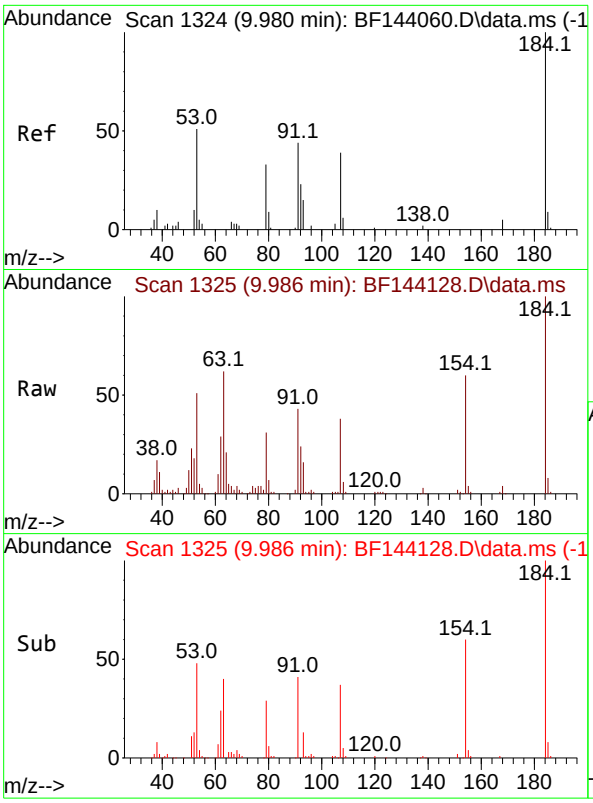


#53
3-Nitroaniline
Concen: 6.124 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:138 Resp: 11177

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.9	11.9
92	105.4	92.0	138.0

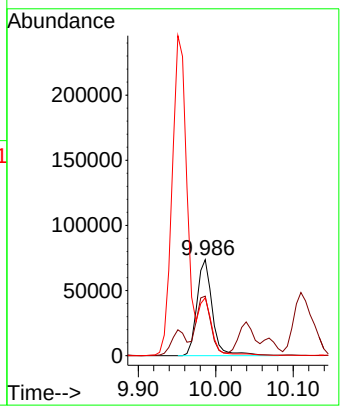




#54
2,4-Dinitrophenol
Concen: 115.232 ng
RT: 9.986 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:184 Resp: 10231

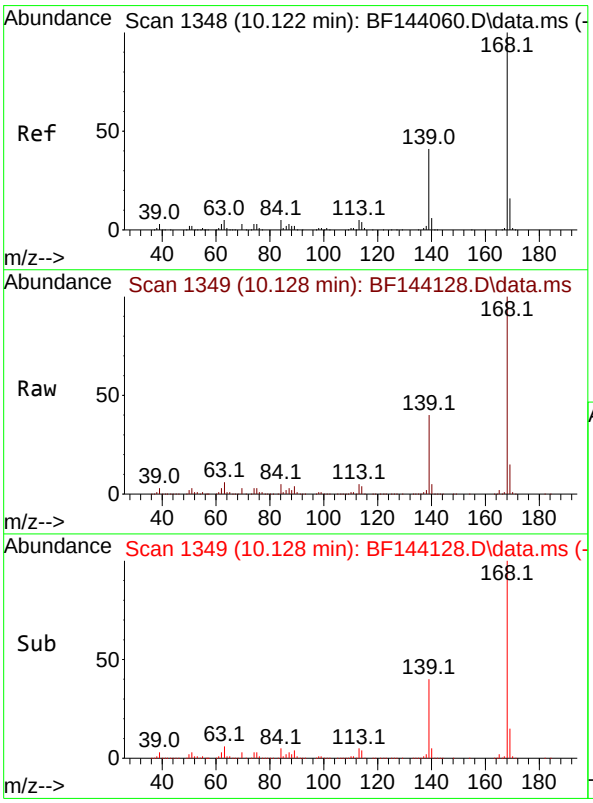
Ion	Ratio	Lower	Upper
184	100		
63	62.0	52.1	78.1
154	60.3	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

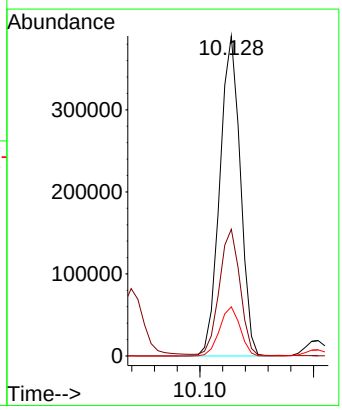
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

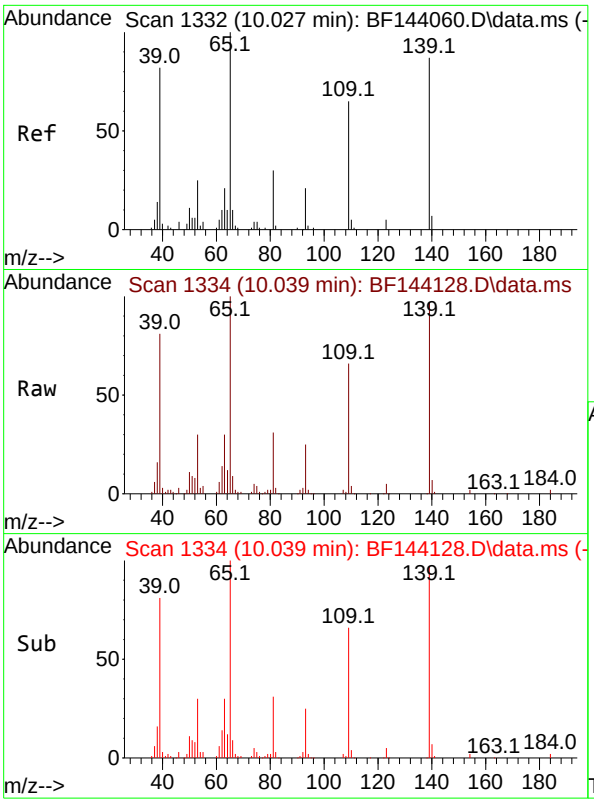


#55
Dibenzofuran
Concen: 51.517 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:168 Resp: 489325

Ion	Ratio	Lower	Upper
168	100		
139	39.6	33.2	49.8
169	15.4	12.6	19.0

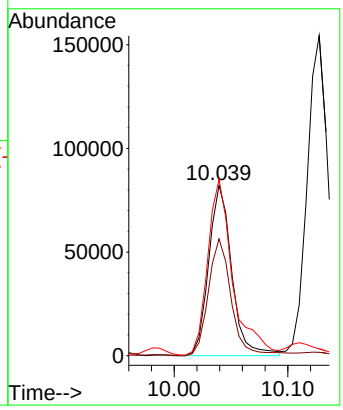




#56
4-Nitrophenol
Concen: 93.669 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:139 Resp: 11577

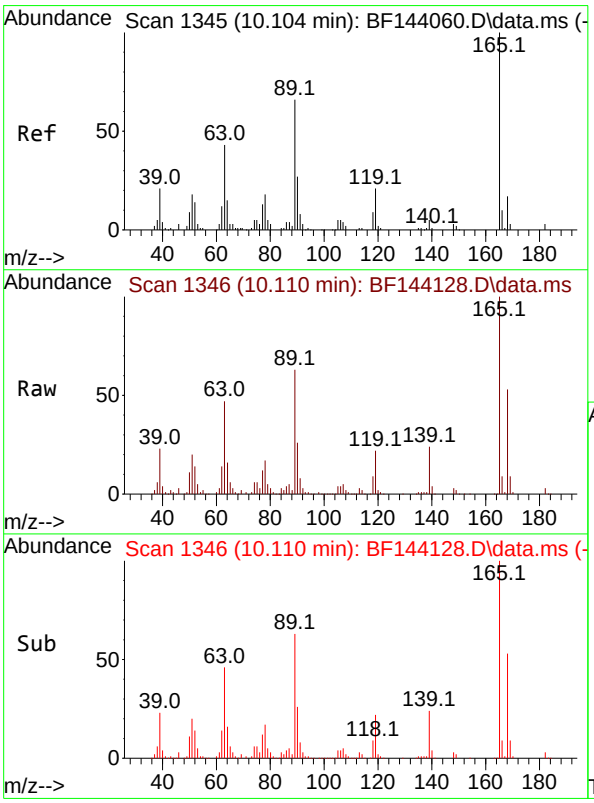
Ion	Ratio	Lower	Upper
139	100		
109	68.6	53.8	93.8
65	103.6	95.9	135.9



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

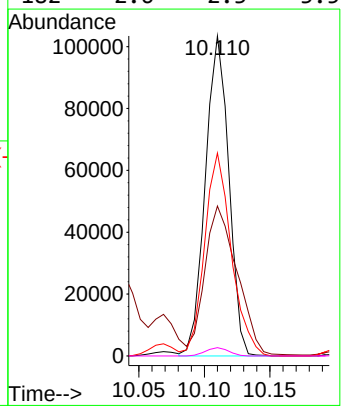
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

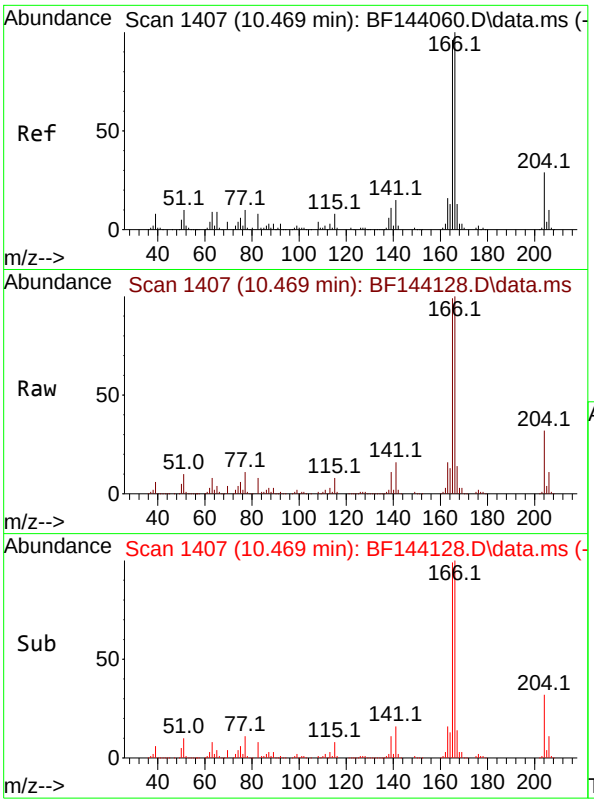


#57
2,4-Dinitrotoluene
Concen: 58.122 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:165 Resp: 128780

Ion	Ratio	Lower	Upper
165	100		
63	46.9	35.4	53.2
89	63.4	52.7	79.1
182	2.6	2.3	3.5

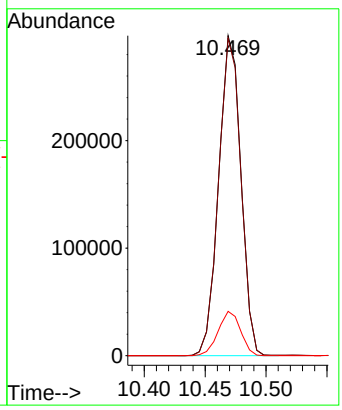




#58
Fluorene
Concen: 52.342 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:166 Resp: 378814

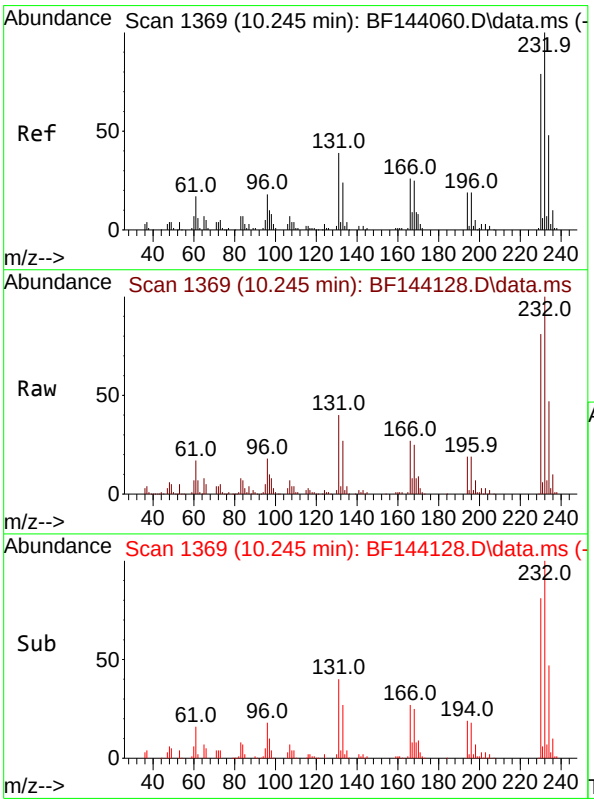
Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.0	115.4
167	13.9	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

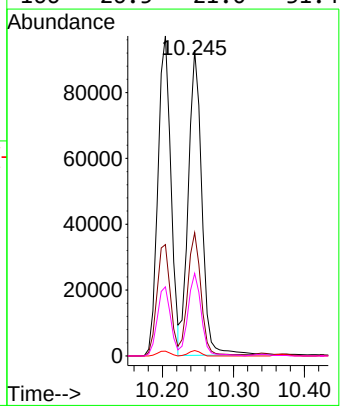
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

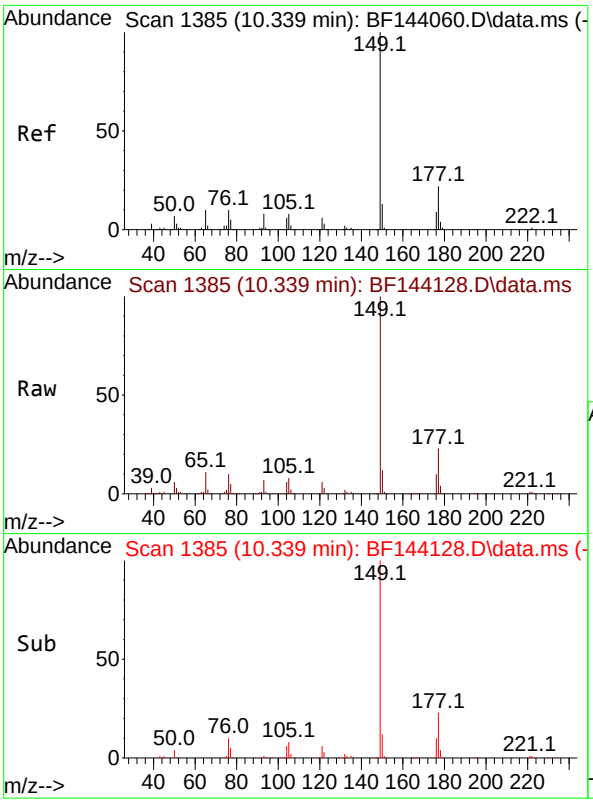


#59
2,3,4,6-Tetrachlorophenol
Concen: 58.723 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:232 Resp: 122911

Ion	Ratio	Lower	Upper
232	100		
131	38.8	31.9	47.9
130	1.6	1.1	1.7
166	26.5	21.0	31.4

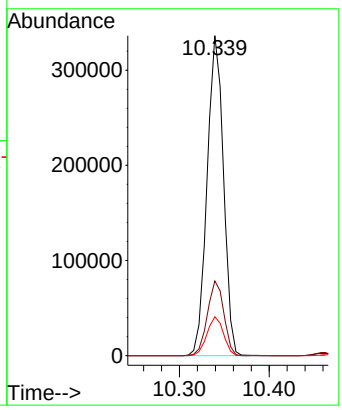




#60
Diethylphthalate
Concen: 54.569 ng
RT: 10.339 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:149 Resp: 42616

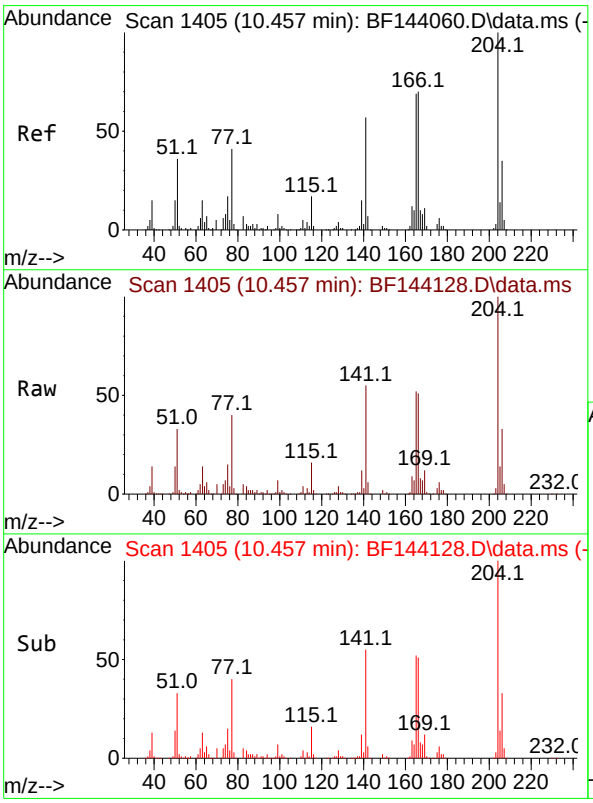
Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.8	26.6
150	12.2	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

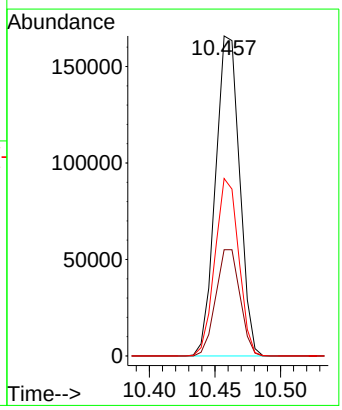
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

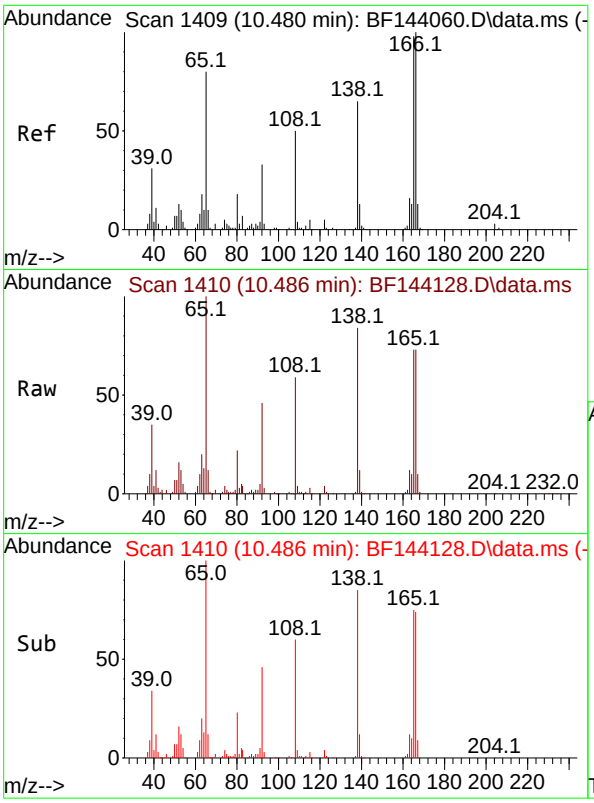


#61
4-Chlorophenyl-phenylether
Concen: 51.968 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:204 Resp: 211510

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.8	41.6
141	55.5	45.4	68.2

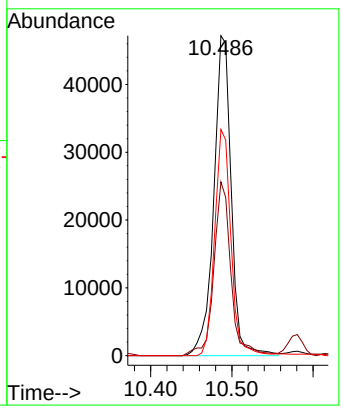




#62
4-Nitroaniline
Concen: 40.810 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:138 Resp: 7057

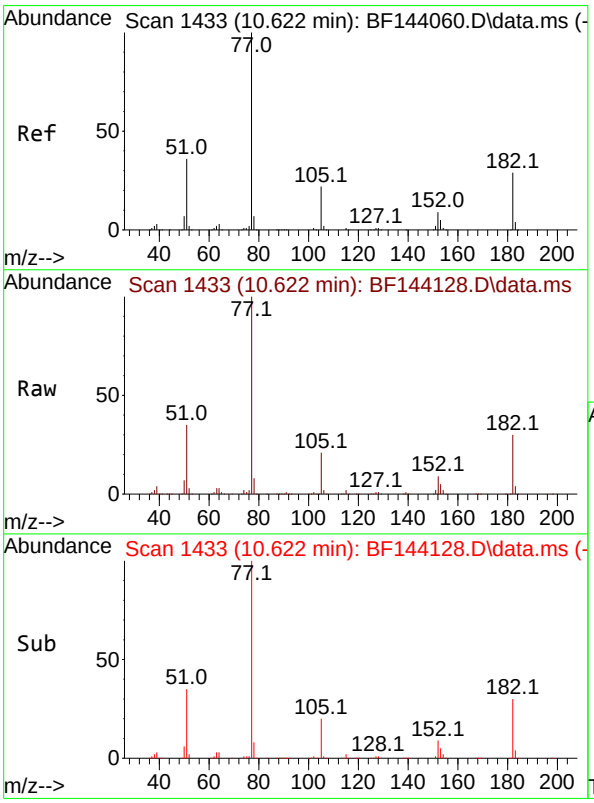
Ion	Ratio	Lower	Upper
138	100		
92	54.3	30.5	70.5
108	70.7	56.2	96.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

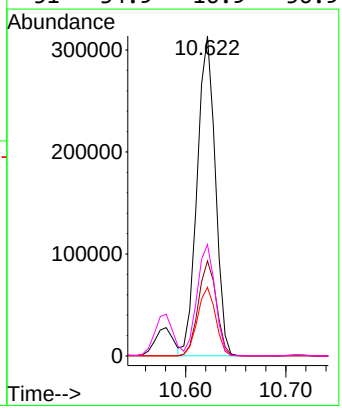
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

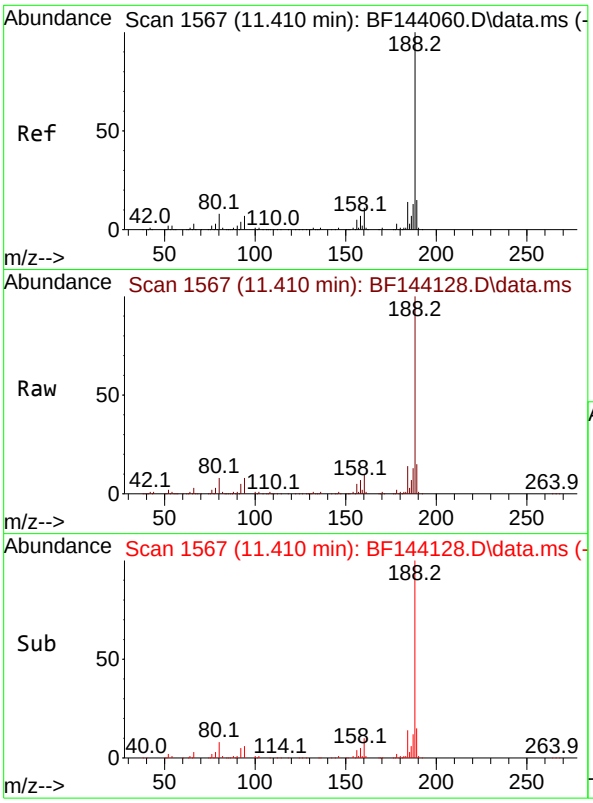


#63
Azobenzene
Concen: 53.495 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion: 77 Resp: 395412

Ion	Ratio	Lower	Upper
77	100		
182	29.7	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# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

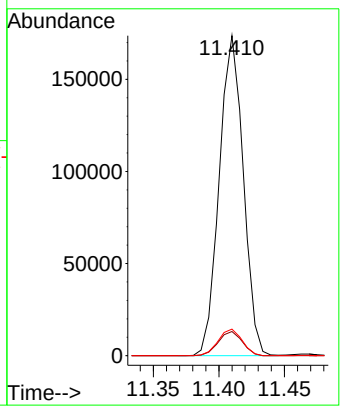
Tgt Ion:188 Resp: 221499

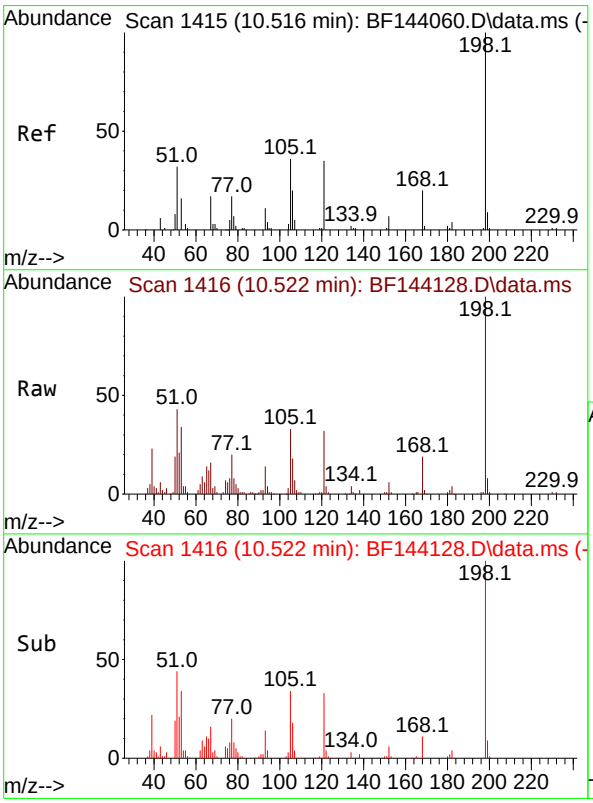
Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.4	8.0
80	8.3	6.0	9.0

Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

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

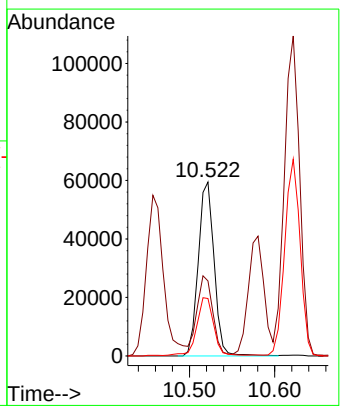


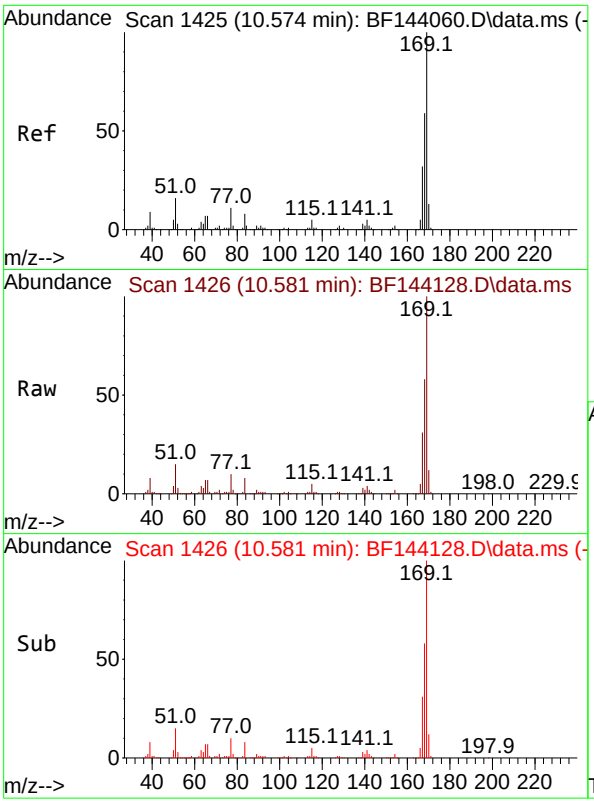


#65
4,6-Dinitro-2-methylphenol
Concen: 54.068 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:198 Resp: 76836

Ion	Ratio	Lower	Upper
198	100		
51	43.1	25.8	65.8
105	33.0	17.2	57.2

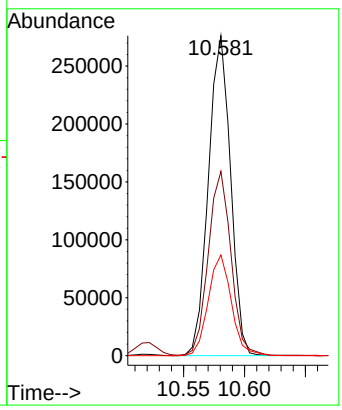




#66
n-Nitrosodiphenylamine
Concen: 49.464 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:169 Resp: 35005

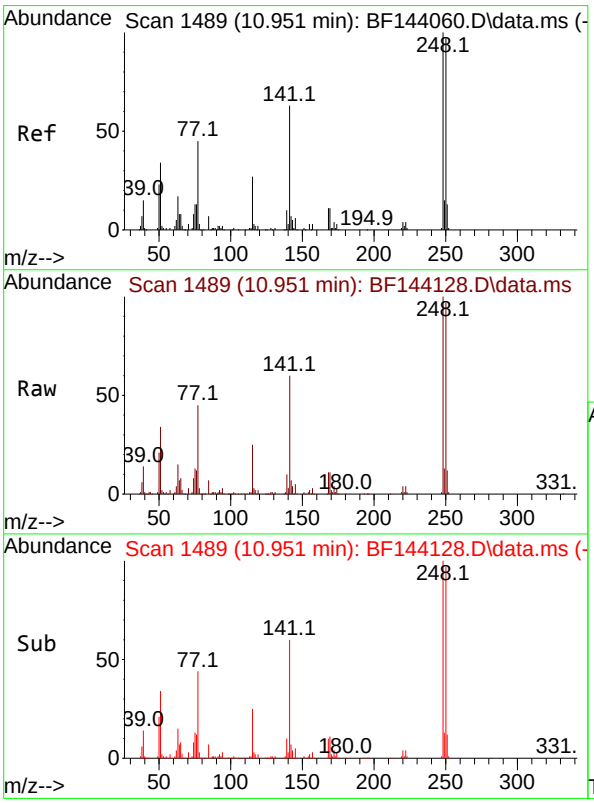
Ion	Ratio	Lower	Upper
169	100		
168	57.6	47.4	71.2
167	31.5	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

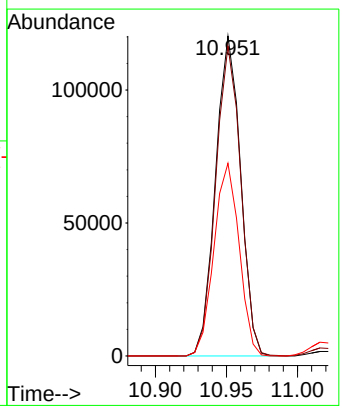
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

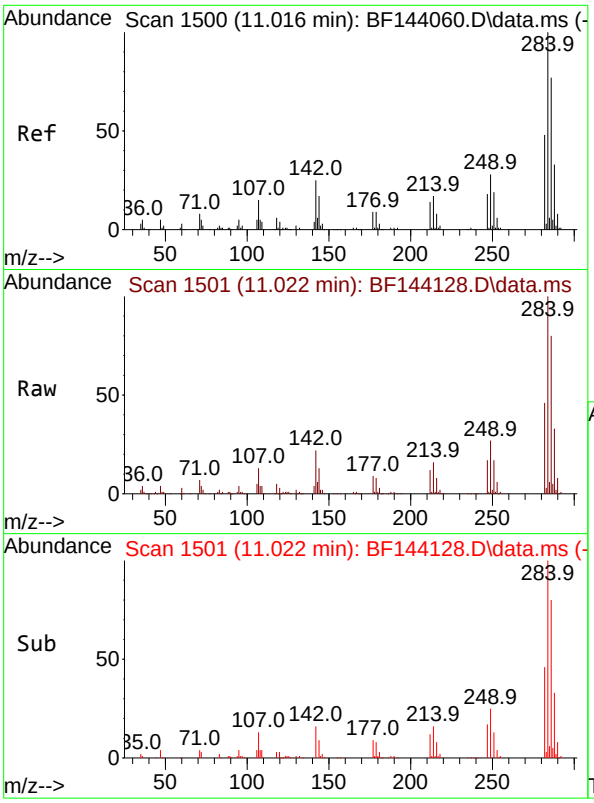


#67
4-Bromophenyl-phenylether
Concen: 53.323 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:248 Resp: 147882

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.6
141	60.2	50.5	75.7

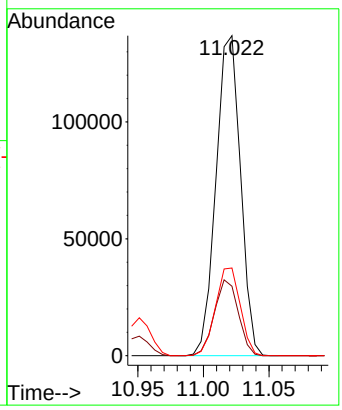




#68
Hexachlorobenzene
Concen: 52.260 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:284 Resp: 17774

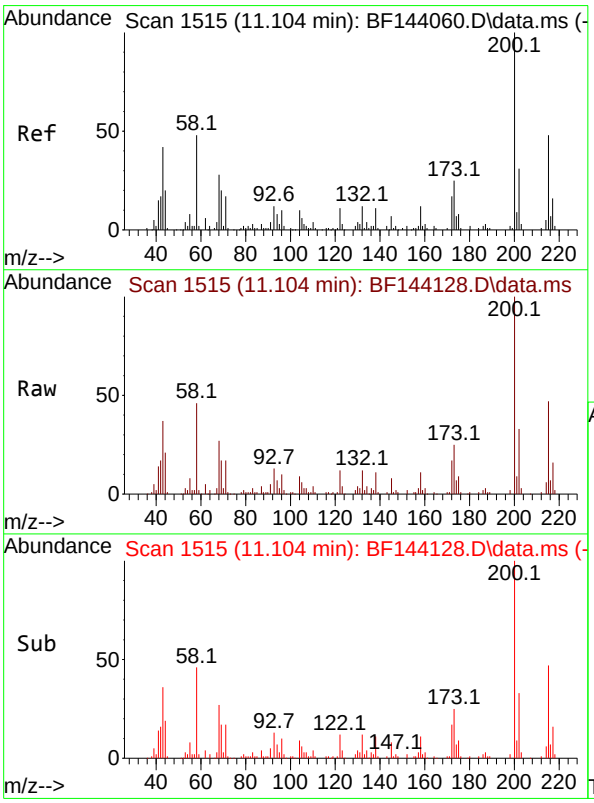
Ion	Ratio	Lower	Upper
284	100		
142	21.7	20.0	30.0
249	27.4	22.2	33.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

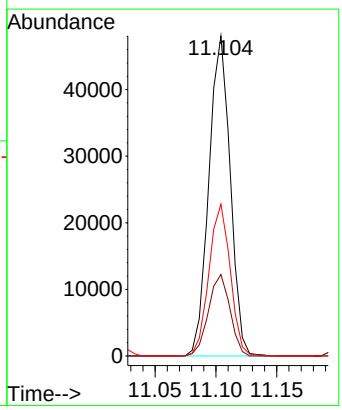
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

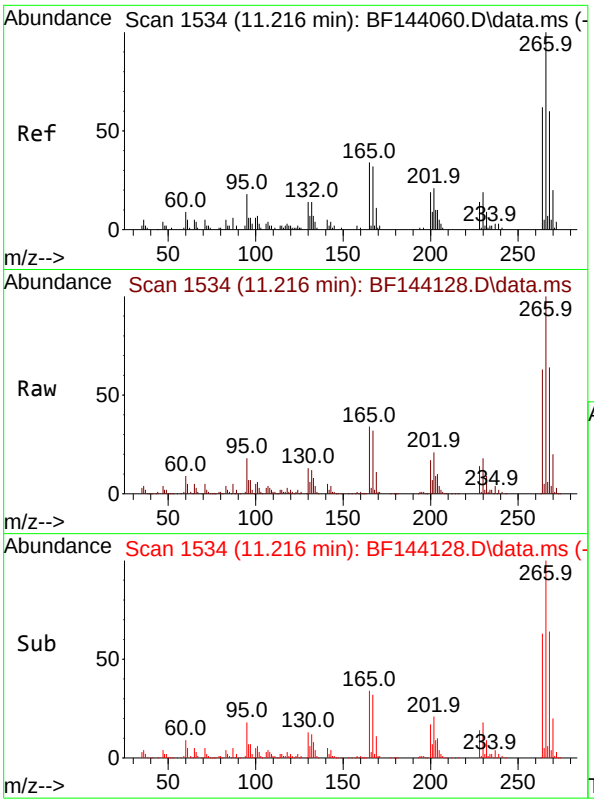


#69
Atrazine
Concen: 25.239 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:200 Resp: 58611

Ion	Ratio	Lower	Upper
200	100		
173	25.5	4.9	44.9
215	47.4	28.2	68.2

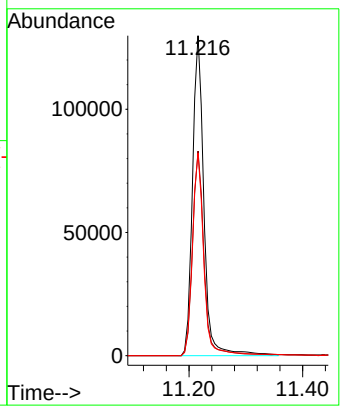




#70
Pentachlorophenol
Concen: 112.298 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:266 Resp: 18180

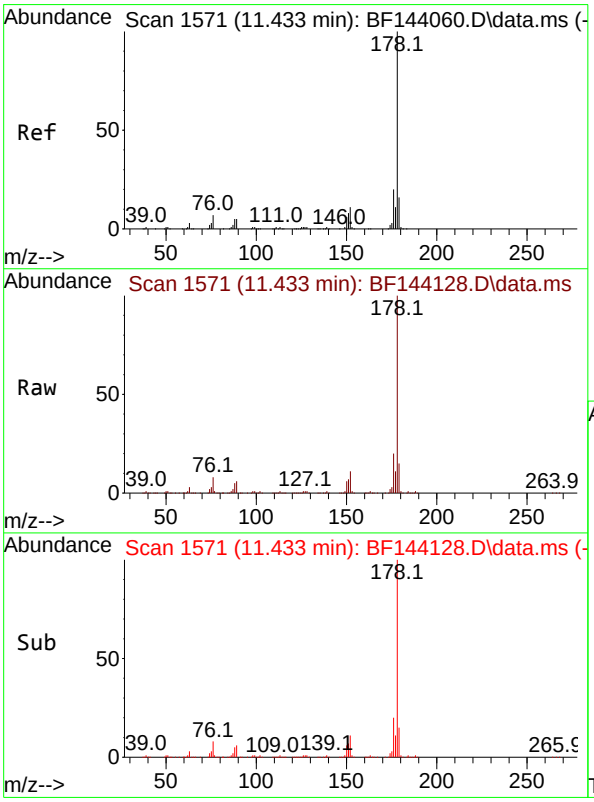
Ion	Ratio	Lower	Upper
266	100		
268	63.9	48.2	72.4
264	63.3	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

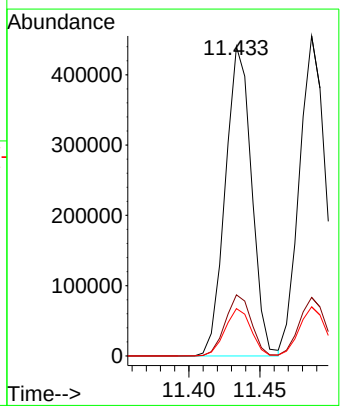
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

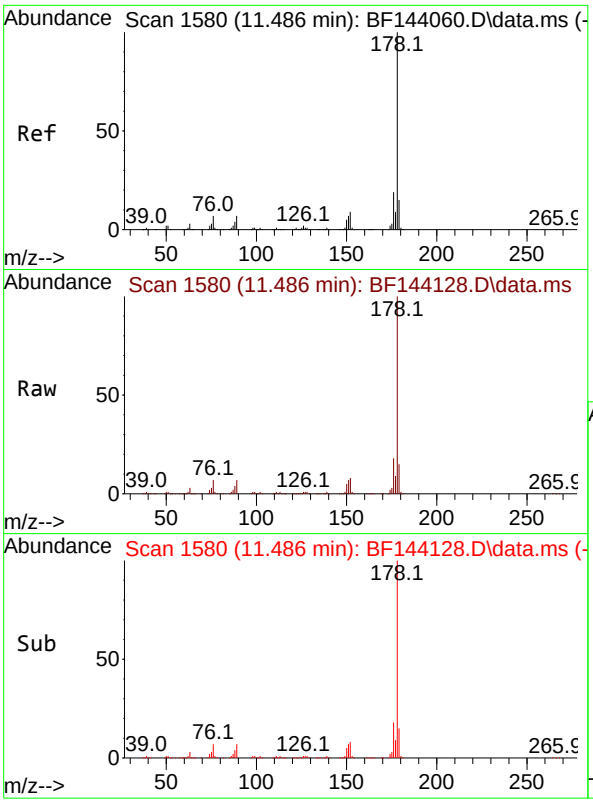


#71
Phenanthrene
Concen: 51.569 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:178 Resp: 567418

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.3	12.6	18.8

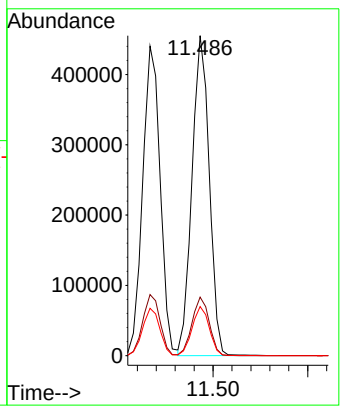




#72
Anthracene
Concen: 50.812 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:178 Resp: 57754

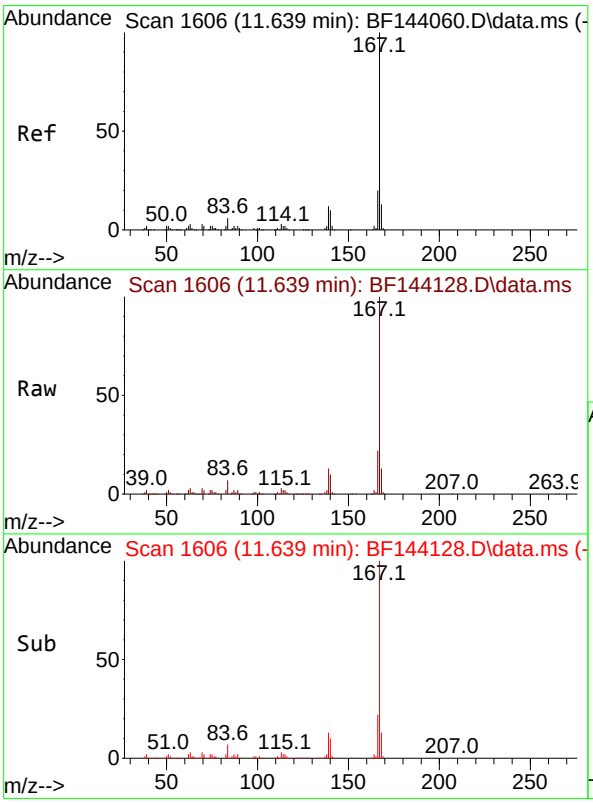
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.3	11.8	17.6



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

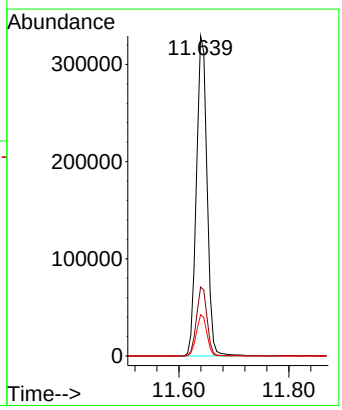
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

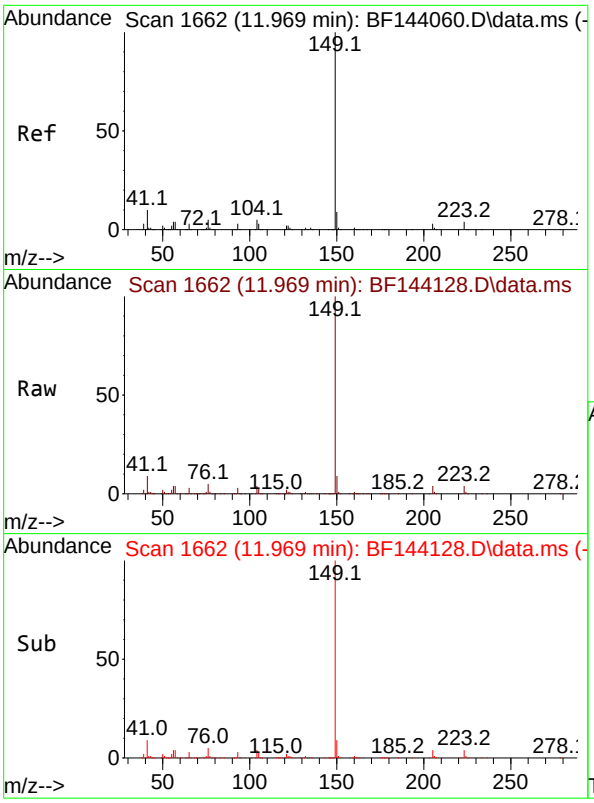


#73
Carbazole
Concen: 45.851 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:167 Resp: 443592

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.1	24.1
139	12.9	9.8	14.6

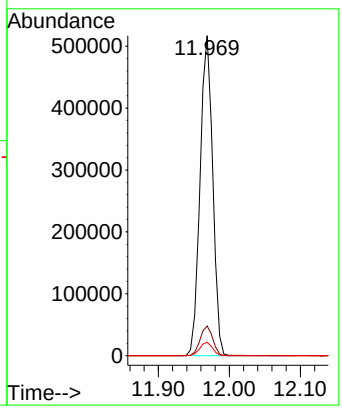




#74
Di-n-butylphthalate
Concen: 54.009 ng
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:149 Resp: 64062

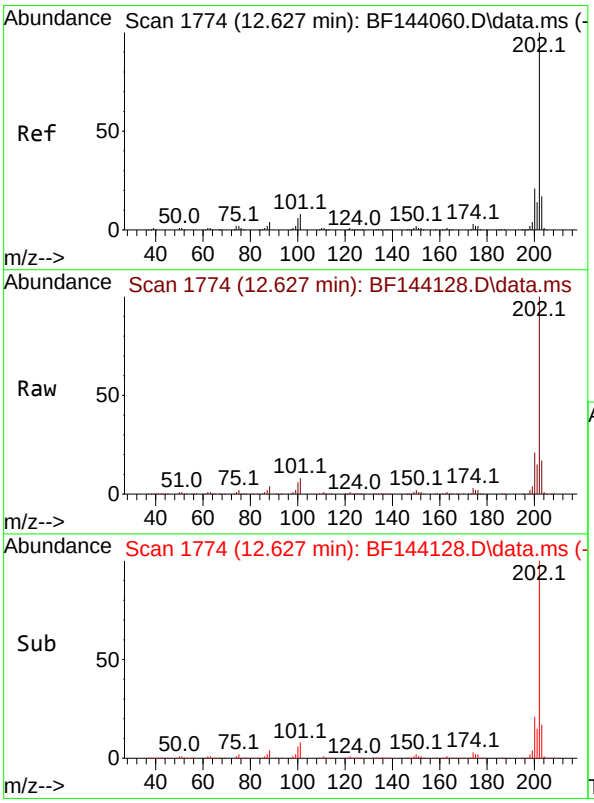
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.2	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

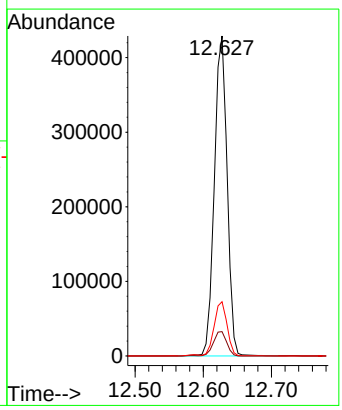
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

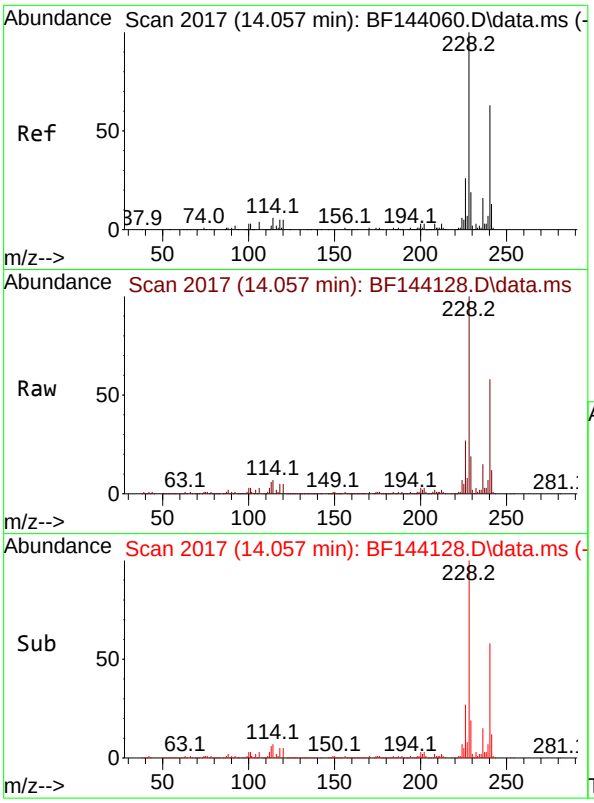


#75
Fluoranthene
Concen: 46.072 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:202 Resp: 560069

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	27.7
203	17.0	0.0	37.3

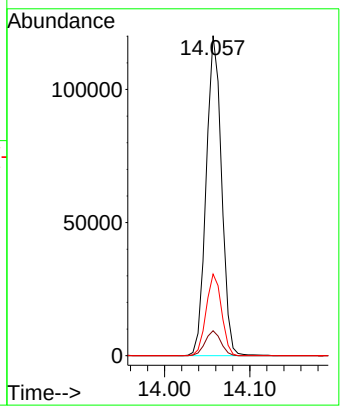




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:240 Resp: 15072

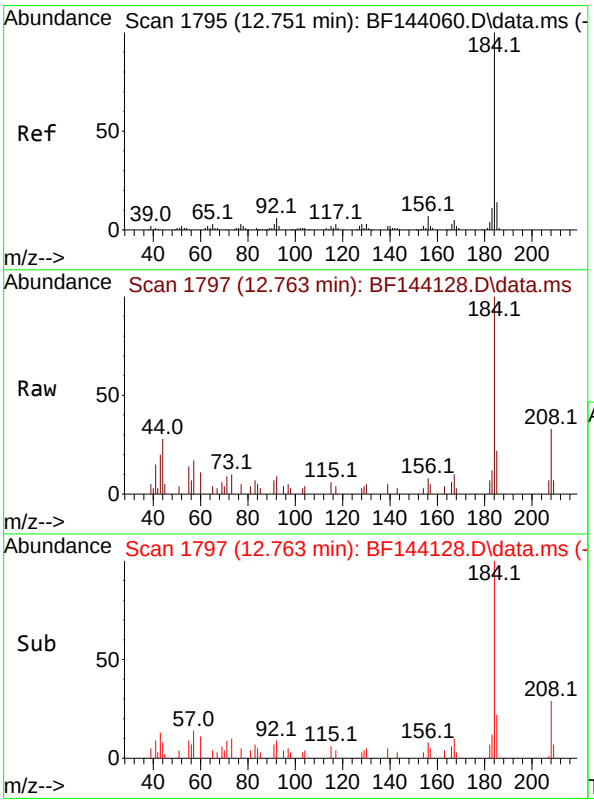
Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.5	9.7
236	25.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

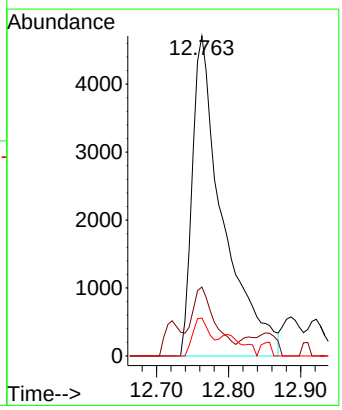
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

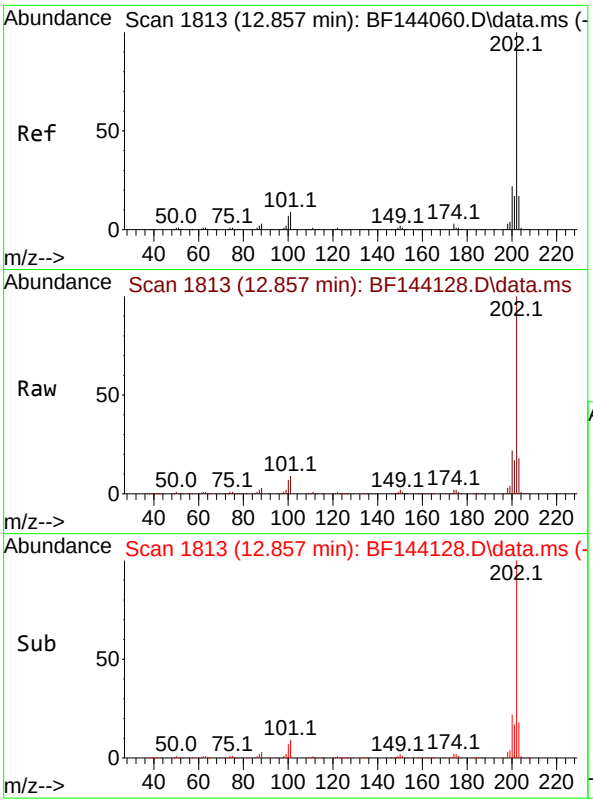


#77
Benzidine
Concen: 2.951 ng m
RT: 12.763 min Scan# 1797
Delta R.T. 0.012 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:184 Resp: 13841

Ion	Ratio	Lower	Upper
184	100		
185	21.6	11.6	17.4#
183	11.9	8.5	12.7

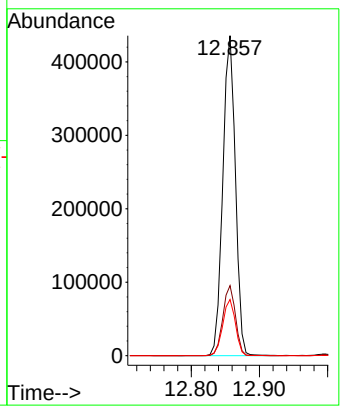




#78
Pyrene
Concen: 51.761 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:202 Resp: 56088

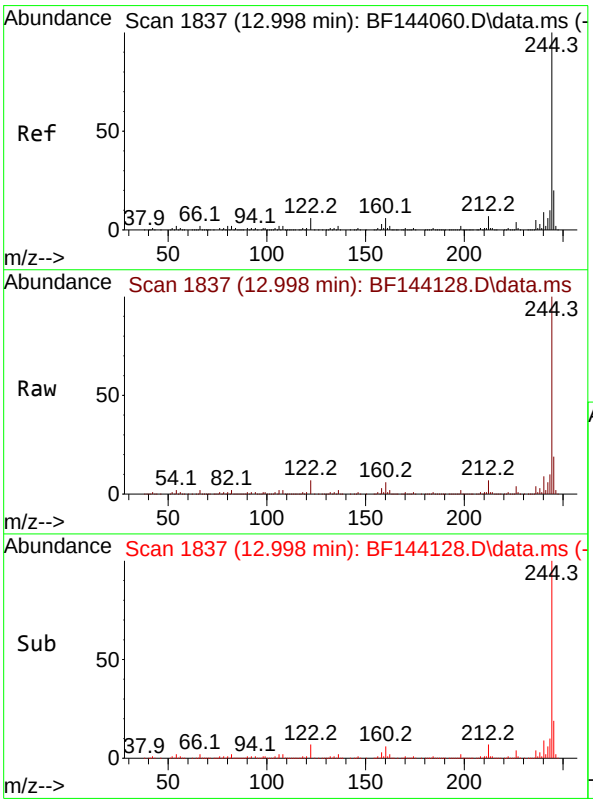
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.2	25.8
203	17.6	13.5	20.3



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

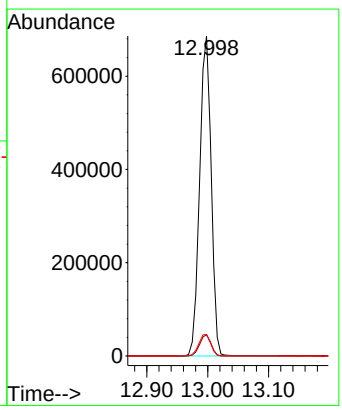
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

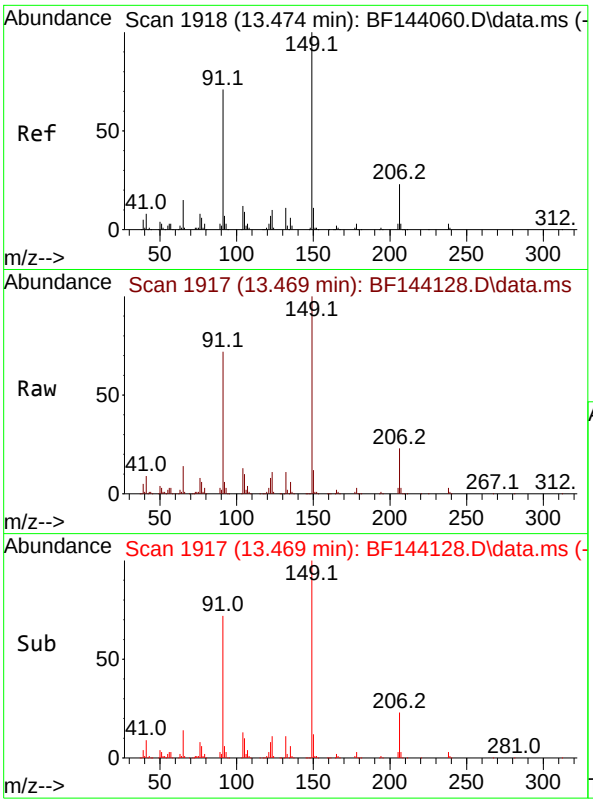


#79
Terphenyl-d14
Concen: 104.505 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:244 Resp: 900993

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	6.7	4.9	7.3

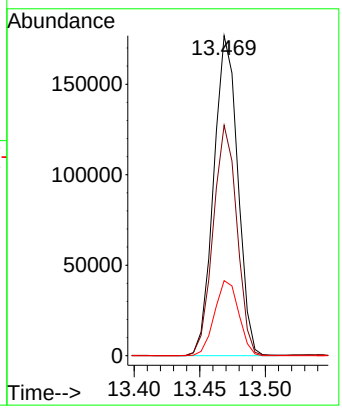




#80
Butylbenzylphthalate
Concen: 54.910 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:149 Resp: 22509

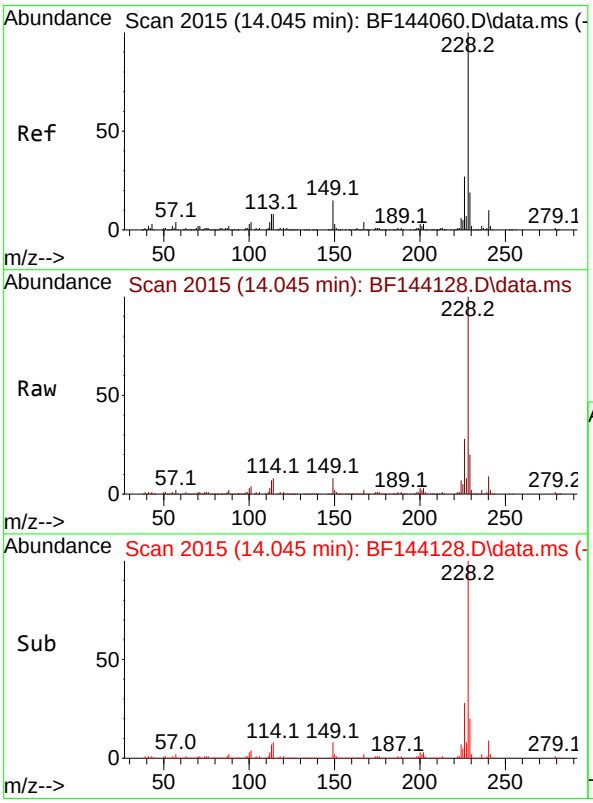
Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.6	84.8
206	23.4	18.3	27.5



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

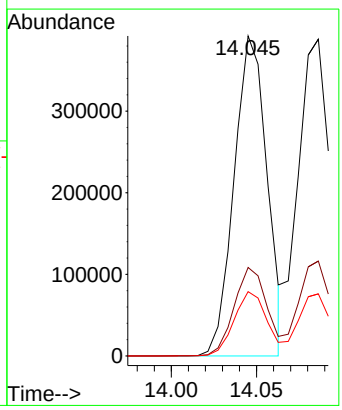
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

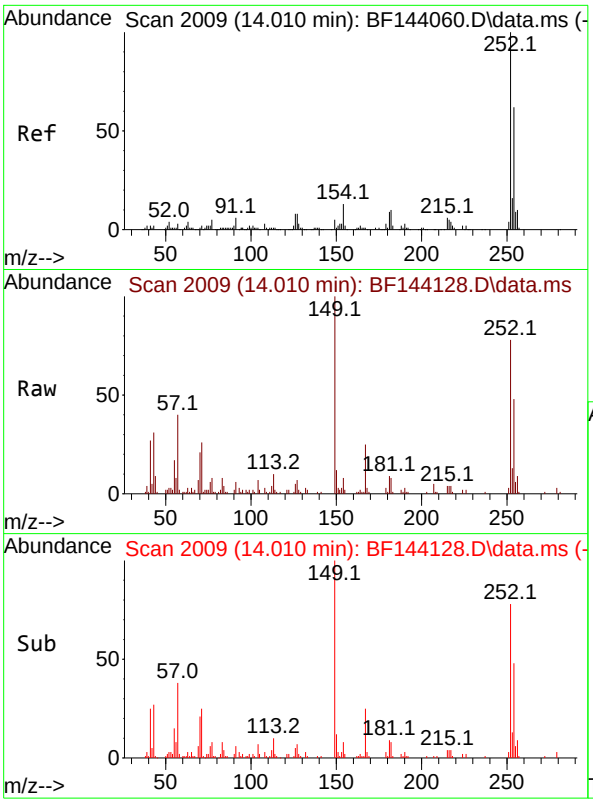


#81
Benzo(a)anthracene
Concen: 51.750 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:228 Resp: 527127

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.4	32.2
229	20.1	15.3	22.9

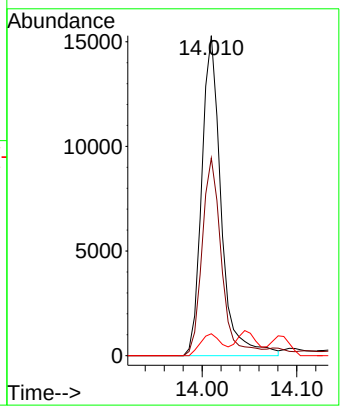




#82
3,3'-Dichlorobenzidine
Concen: 6.127 ng
RT: 14.010 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:252 Resp: 2172

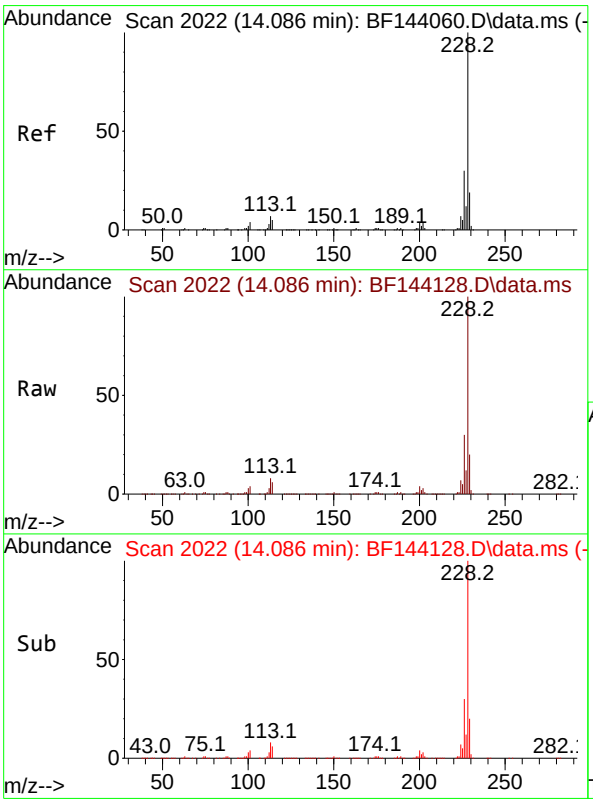
Ion	Ratio	Lower	Upper
252	100		
254	61.8	49.9	74.9
126	6.8	6.5	9.7



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

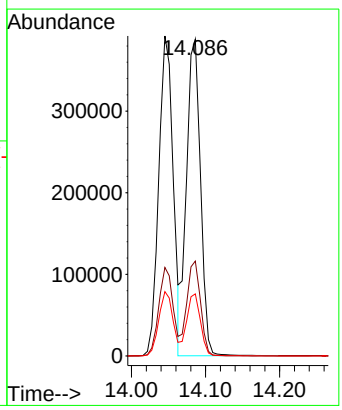
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

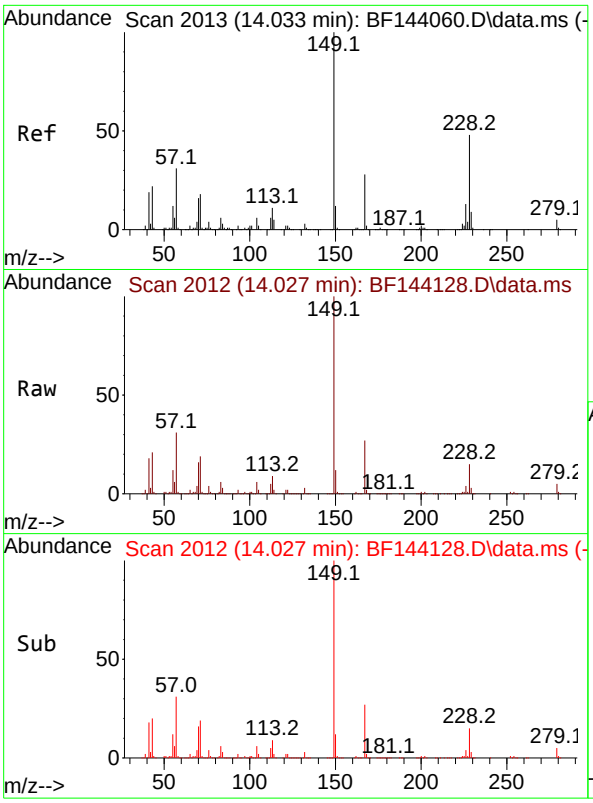


#83
Chrysene
Concen: 53.474 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:228 Resp: 511132

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.6	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 54.199 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

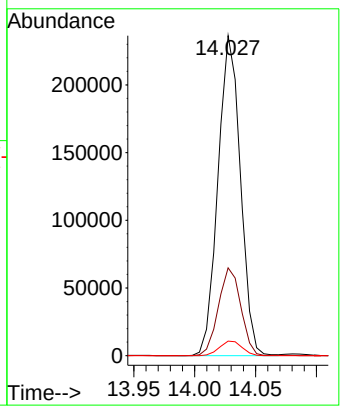
Tgt Ion:149 Resp: 30332

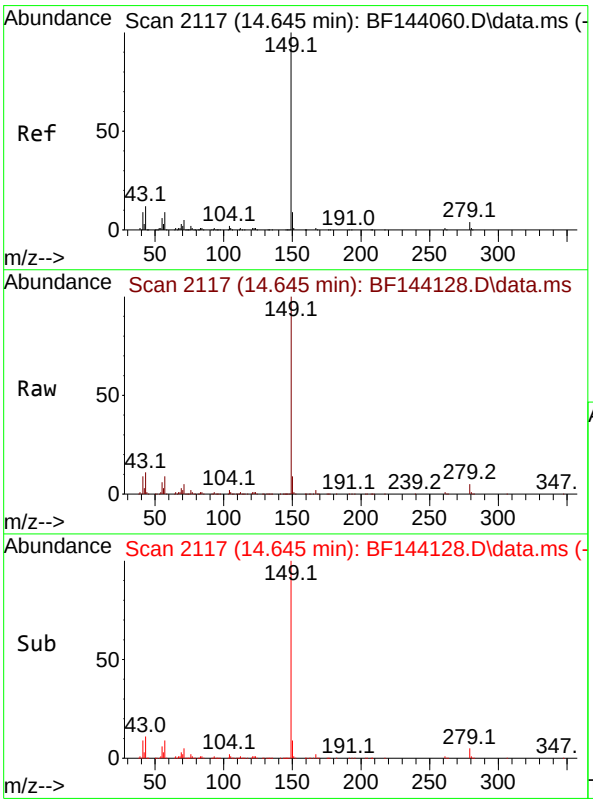
Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.5	33.7
279	4.6	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

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

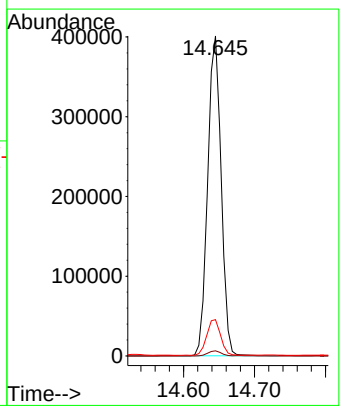


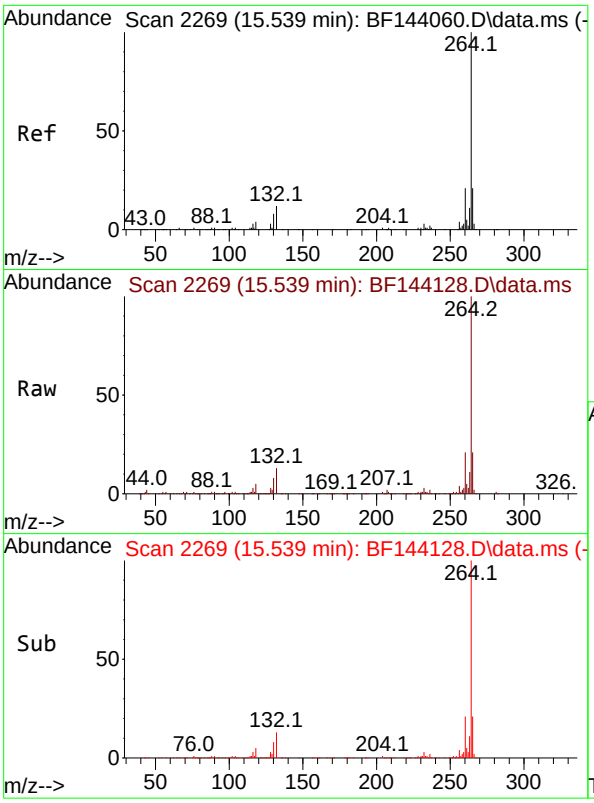


#85
Di-n-octyl phthalate
Concen: 54.924 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:149 Resp: 528604

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.5	9.3	13.9

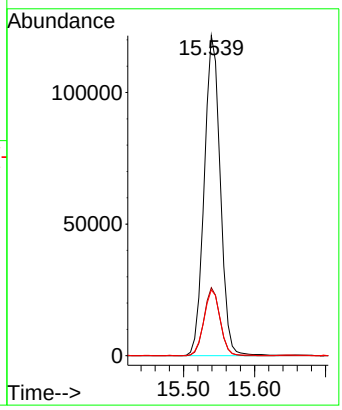




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:264 Resp: 19104

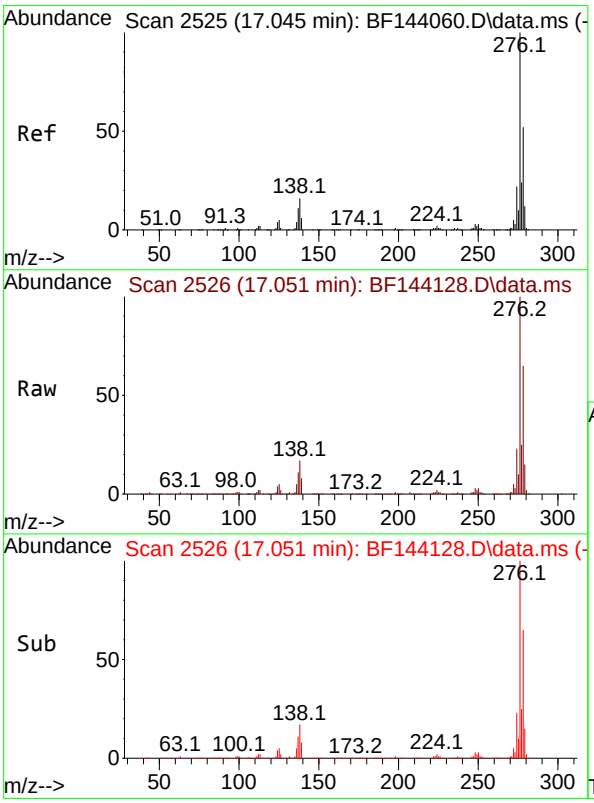
Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.0	25.4
265	20.6	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

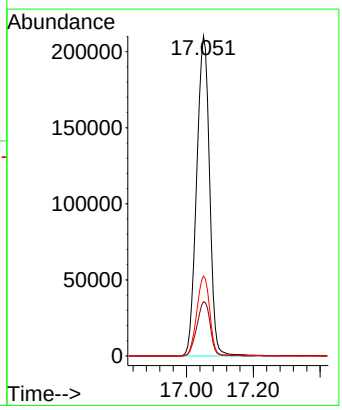
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

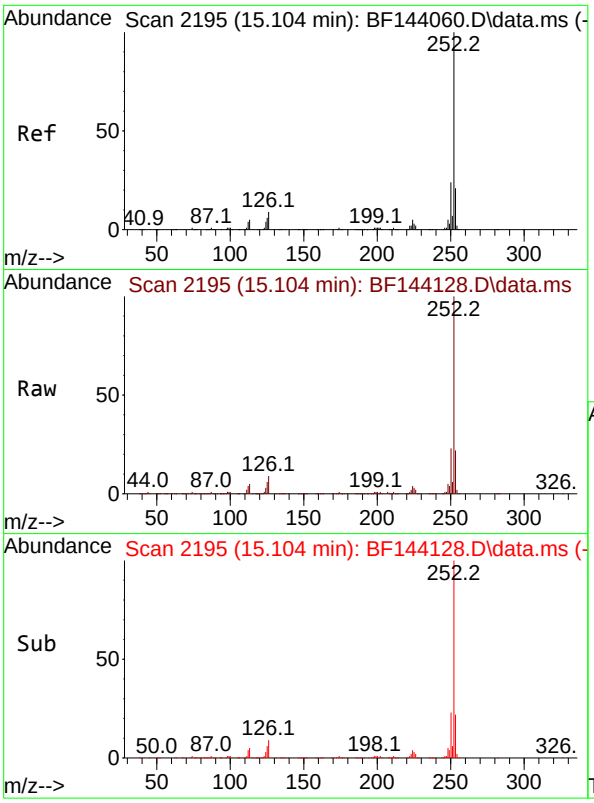


#87
Indeno(1,2,3-cd)pyrene
Concen: 43.024 ng
RT: 17.051 min Scan# 2526
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:276 Resp: 564309

Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.0	19.6
277	25.2	19.4	29.0

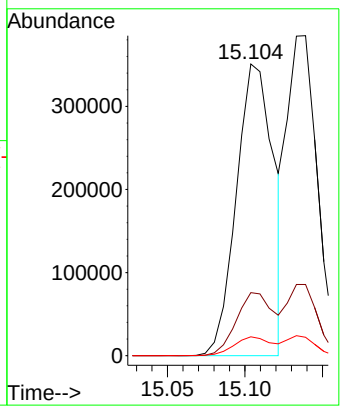




#88
Benzo(b)fluoranthene
Concen: 54.391 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:252 Resp: 58743

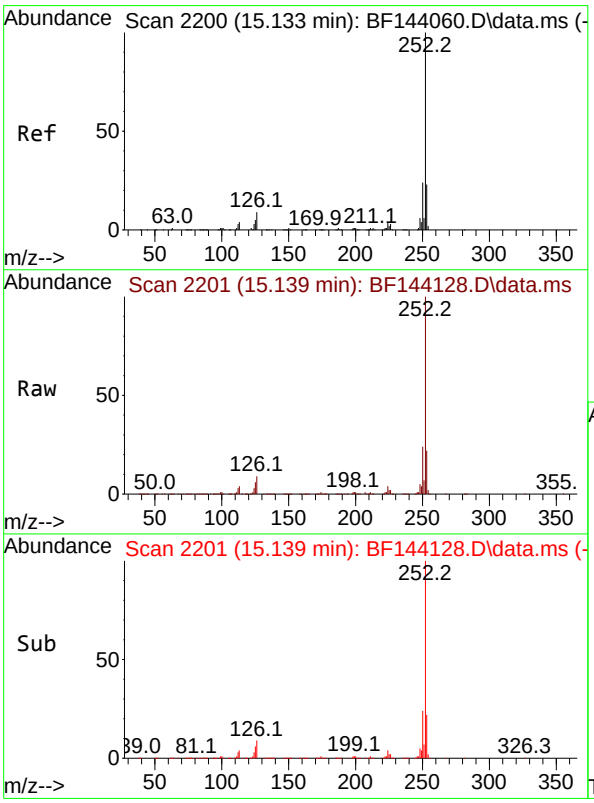
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	6.5	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

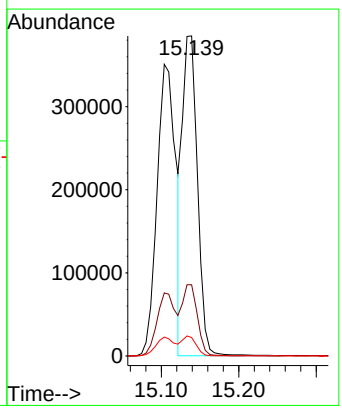
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

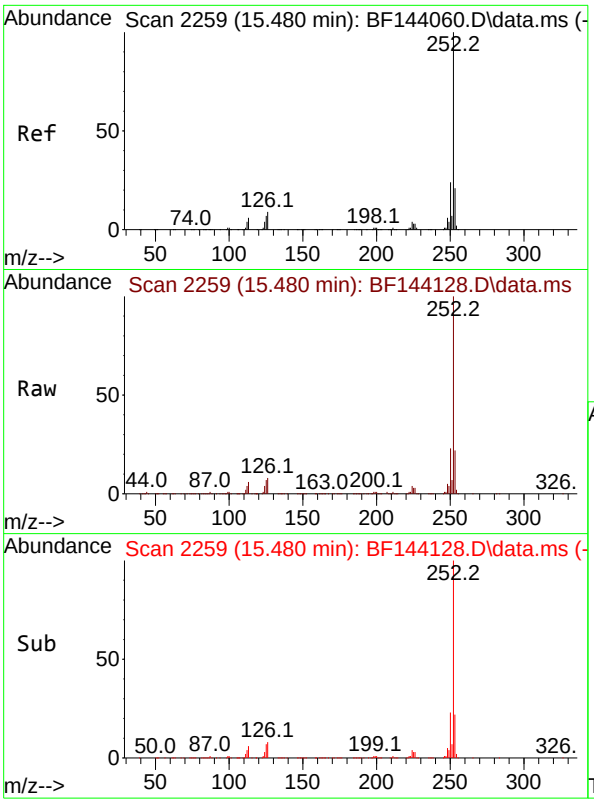


#89
Benzo(k)fluoranthene
Concen: 52.440 ng
RT: 15.139 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:252 Resp: 522551

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	5.8	4.9	7.3

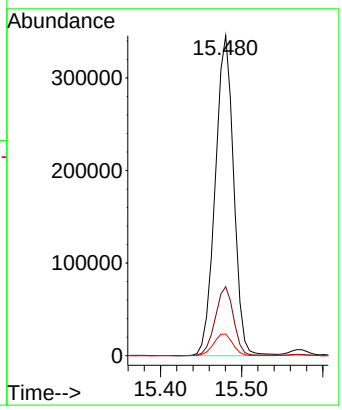




#90
Benzo(a)pyrene
Concen: 56.382 ng
RT: 15.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:252 Resp: 54629

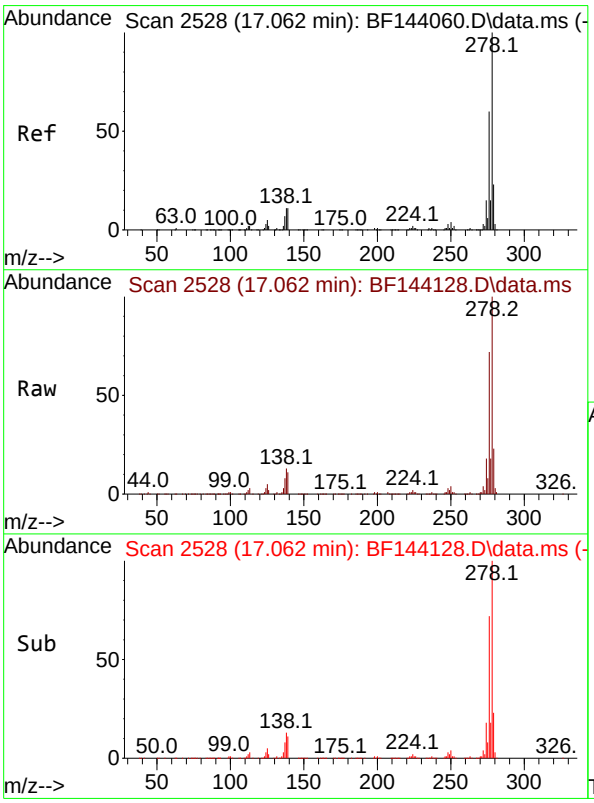
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

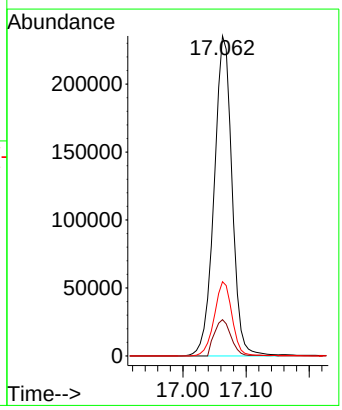
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

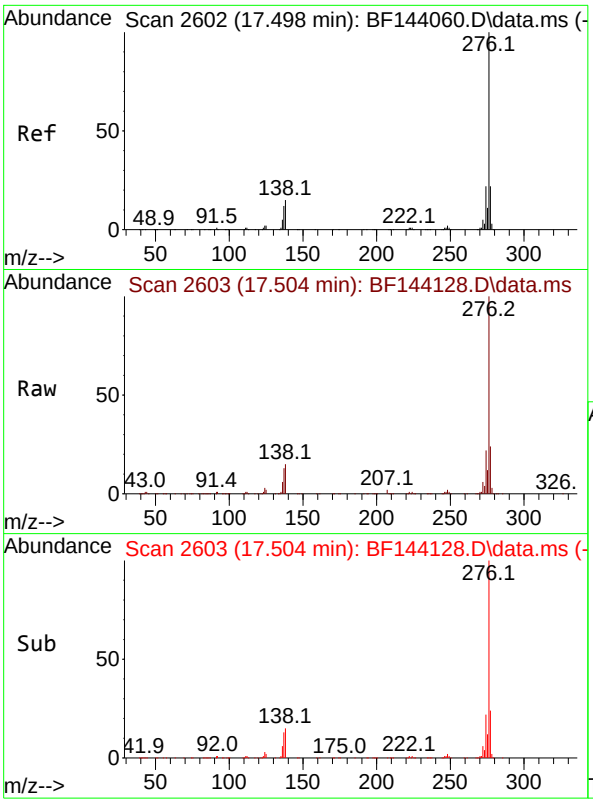


#91
Dibenzo(a,h)anthracene
Concen: 44.699 ng
RT: 17.062 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:278 Resp: 464083

Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.5	12.7
279	23.2	18.6	28.0

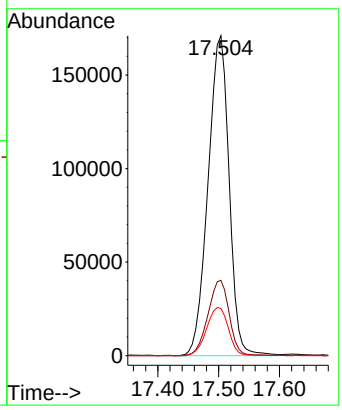




#92
Benzo(g,h,i)perylene
Concen: 39.424 ng
RT: 17.504 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF144128.D
Acq: 29 Oct 2025 15:02

Tgt Ion:276 Resp: 41152

Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	14.7	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
TP-8MSD

Manual Integrations
APPROVED

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

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

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:	BF102825	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170267BS	BF144099.D	2,3,4,6-Tetrachlorophenol	rahul	10/29/2025 8:33:35 AM	Jagrut	10/29/2025 3:21:52 PM	Peak Integrated by Software
PB170267BS	BF144099.D	Caprolactam	rahul	10/29/2025 8:33:35 AM	Jagrut	10/29/2025 3:21:52 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3427-04MS	BF144127.D	Caprolactam	rahul	10/30/2025 8:48:02 AM	Jagrut	10/30/2025 4:41:53 PM	Peak Integrated by Software
Q3427-04MSD	BF144128.D	Benzidine	rahul	10/30/2025 8:48:04 AM	Jagrut	10/30/2025 4:41:56 PM	Peak Integrated by Software
Q3427-04MSD	BF144128.D	Caprolactam	rahul	10/30/2025 8:48:04 AM	Jagrut	10/30/2025 4:41:56 PM	Peak Integrated by Software

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

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

Manual Integration Report

Sequence:	BG102825	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BG103125	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BP102925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BP026030.D	Benzaldehyde	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC010	BP026030.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Benzaldehyde	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC050	BP026033.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:07 AM	Jagrut	11/4/2025 3:52:45 PM	Peak Integrated by Software
SSTDICC080	BP026035.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:09 AM	Jagrut	11/4/2025 3:52:47 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Benzaldehyde	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP103025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026039.D	Indeno(1,2,3-cd)pyrene	rahul	10/31/2025 2:17:01 PM	Jagrut	10/31/2025 2:24:54 PM	Peak Integrated by Software
Q3447-02	BP026044.D	1-Methylnaphthalene	rahul	10/31/2025 2:17:10 PM	Jagrut	10/31/2025 2:24:59 PM	Peak Integrated by Software
Q3447-02	BP026044.D	2,4-Dimethylphenol	rahul	10/31/2025 2:17:10 PM	Jagrut	10/31/2025 2:24:59 PM	Peak Integrated by Software

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	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,
Fax : 908 789 8922

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

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 # 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

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 # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM				
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM				
SubDirectory	BF102925	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144120.D	29 Oct 2025 11:00	RC/JU	Ok
2	SSTDCCC040	BF144121.D	29 Oct 2025 11:30	RC/JU	Ok
3	PB170202TB	BF144122.D	29 Oct 2025 12:00	RC/JU	Ok
4	PB170259BL	BF144123.D	29 Oct 2025 12:30	RC/JU	Ok
5	PB170259BS	BF144124.D	29 Oct 2025 13:00	RC/JU	Ok,M
6	Q3460-17	BF144125.D	29 Oct 2025 13:33	RC/JU	Ok,M
7	Q3419-04	BF144126.D	29 Oct 2025 14:03	RC/JU	Ok,M
8	Q3427-04MS	BF144127.D	29 Oct 2025 14:33	RC/JU	Ok,M
9	Q3427-04MSD	BF144128.D	29 Oct 2025 15:02	RC/JU	Ok,M
10	Q3469-01	BF144129.D	29 Oct 2025 15:32	RC/JU	Ok,M
11	Q3469-01MS	BF144130.D	29 Oct 2025 16:02	RC/JU	Ok,M
12	Q3469-01MSD	BF144131.D	29 Oct 2025 16:32	RC/JU	Ok,M
13	Q3434-02	BF144132.D	29 Oct 2025 17:02	RC/JU	Ok
14	Q3480-01	BF144133.D	29 Oct 2025 17:32	RC/JU	Ok
15	Q3476-01	BF144134.D	29 Oct 2025 18:01	RC/JU	Ok
16	Q3466-02	BF144135.D	29 Oct 2025 18:31	RC/JU	Ok,M
17	Q3466-07	BF144136.D	29 Oct 2025 19:01	RC/JU	Not Ok
18	Q3481-01	BF144137.D	29 Oct 2025 19:30	RC/JU	Ok,M
19	Q3472-04	BF144138.D	29 Oct 2025 20:00	RC/JU	Ok
20	Q3472-06	BF144139.D	29 Oct 2025 20:29	RC/JU	Ok
21	Q3472-08	BF144140.D	29 Oct 2025 20:59	RC/JU	Ok

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 # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM				
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM				
SubDirectory	BF102925	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3472-10	BF144141.D	29 Oct 2025 21:28	RC/JU	Ok,M
23	Q3472-12	BF144142.D	29 Oct 2025 21:57	RC/JU	Ok
24	Q3472-14	BF144143.D	29 Oct 2025 22:27	RC/JU	Dilution

M : Manual Integration

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 # 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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:31 AM				
SubDirectory	BG102825	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064599.D	28 Oct 2025 13:05	RC/JU	Ok
2	SSTDCCC040	BG064600.D	28 Oct 2025 13:45	RC/JU	Ok
3	PB170239TB	BG064601.D	28 Oct 2025 14:26	RC/JU	Ok
4	Q3460-16	BG064602.D	28 Oct 2025 15:10	RC/JU	Ok
5	Q3460-20	BG064603.D	28 Oct 2025 15:51	RC/JU	Ok
6	Q3452-04	BG064604.D	28 Oct 2025 16:32	RC/JU	Ok
7	Q3451-04	BG064605.D	28 Oct 2025 17:13	RC/JU	Ok
8	Q3419-05	BG064606.D	28 Oct 2025 17:54	RC/JU	Ok,M
9	Q3427-01	BG064607.D	28 Oct 2025 18:35	RC/JU	Ok,M
10	Q3452-01	BG064608.D	28 Oct 2025 19:16	RC/JU	Ok,M
11	Q3376-05	BG064609.D	28 Oct 2025 19:57	RC/JU	Ok
12	Q3451-05	BG064610.D	28 Oct 2025 20:37	RC/JU	Ok,M
13	Q3460-05	BG064611.D	28 Oct 2025 21:18	RC/JU	Ok
14	Q3460-01	BG064612.D	28 Oct 2025 21:59	RC/JU	Ok,M
15	Q3460-13	BG064613.D	28 Oct 2025 22:39	RC/JU	Ok,M
16	Q3460-17	BG064614.D	28 Oct 2025 23:20	RC/JU	Not Ok
17	Q3457-01	BG064615.D	29 Oct 2025 00:01	RC/JU	Ok,M
18	Q3465-01	BG064616.D	29 Oct 2025 00:41	RC/JU	Ok

M : Manual Integration

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 # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM				
SubDirectory	BG103125	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	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064653.D	31 Oct 2025 12:42	RC/JU	Ok
2	SSTDCCC040	BG064654.D	31 Oct 2025 13:24	RC/JU	Ok
3	PB170342BL	BG064655.D	31 Oct 2025 14:04	RC/JU	Ok
4	Q3447-08	BG064656.D	31 Oct 2025 14:50	RC/JU	Ok
5	Q3497-01	BG064657.D	31 Oct 2025 15:31	RC/JU	Ok
6	Q3504-01	BG064658.D	31 Oct 2025 16:12	RC/JU	Ok
7	Q3496-01	BG064659.D	31 Oct 2025 16:54	RC/JU	Ok
8	Q3477-03	BG064660.D	31 Oct 2025 17:35	RC/JU	Ok
9	Q3495-01	BG064661.D	31 Oct 2025 18:16	RC/JU	Ok
10	Q3495-03	BG064662.D	31 Oct 2025 18:57	RC/JU	Ok
11	Q3503-05	BG064663.D	31 Oct 2025 19:38	RC/JU	Ok
12	Q3503-01	BG064664.D	31 Oct 2025 20:19	RC/JU	Ok
13	Q3486-07	BG064665.D	31 Oct 2025 21:00	RC/JU	Ok,M
14	Q3486-03DL	BG064666.D	31 Oct 2025 21:41	RC/JU	Ok,M
15	Q3503-03	BG064667.D	31 Oct 2025 22:22	RC/JU	Ok
16	Q3501-01	BG064668.D	31 Oct 2025 23:04	RC/JU	Ok
17	Q3499-01	BG064669.D	31 Oct 2025 23:45	RC/JU	Ok
18	Q3486-07DL	BG064670.D	1 Nov 2025 00:27	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

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	BP026027.D	29 Oct 2025 08:45	RC/JU	Ok
2	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26	RC/JU	Ok
3	SSTDICC005	BP026029.D	29 Oct 2025 10:07	RC/JU	Ok
4	SSTDICC010	BP026030.D	29 Oct 2025 10:48	RC/JU	Ok,M
5	SSTDICC020	BP026031.D	29 Oct 2025 11:29	RC/JU	Ok,M
6	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	RC/JU	Ok
7	SSTDICC050	BP026033.D	29 Oct 2025 12:51	RC/JU	Ok,M
8	SSTDICC060	BP026034.D	29 Oct 2025 13:32	RC/JU	Ok
9	SSTDICC080	BP026035.D	29 Oct 2025 14:13	RC/JU	Ok,M
10	SSTDICV040	BP026036.D	29 Oct 2025 16:09	RC/JU	Ok,M
11	PB170259BL	BP026037.D	29 Oct 2025 16:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP103025

Review By	rahul	Review On	10/31/2025 2:17:51 PM				
Supervise By	Jagrut	Supervise On	10/31/2025 2:25:27 PM				
SubDirectory	BP103025	HP Acquire Method	BNA_P		HP Processing Method	BP102925	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026038.D	30 Oct 2025 10:34	RC/JU	Ok
2	SSTDCCC040	BP026039.D	30 Oct 2025 11:15	RC/JU	Ok,M
3	PB170294BL	BP026040.D	30 Oct 2025 11:56	RC/JU	Ok
4	PB170294BS	BP026041.D	30 Oct 2025 12:36	RC/JU	Ok,M
5	PB170261TB	BP026042.D	30 Oct 2025 13:17	RC/JU	Ok
6	Q3472-14DL	BP026043.D	30 Oct 2025 15:01	RC/JU	Ok
7	Q3447-02	BP026044.D	30 Oct 2025 15:42	RC/JU	Ok,M
8	Q3447-04	BP026045.D	30 Oct 2025 16:23	RC/JU	Ok
9	Q3447-04MS	BP026046.D	30 Oct 2025 17:46	RC/JU	Ok,M
10	Q3447-04MSD	BP026047.D	30 Oct 2025 18:27	RC/JU	Ok,M
11	Q3469-04	BP026048.D	30 Oct 2025 19:08	RC/JU	Ok,M
12	Q3447-08	BP026049.D	30 Oct 2025 19:49	RC/JU	ReRun
13	Q3466-05	BP026050.D	30 Oct 2025 20:30	RC/JU	Ok,M
14	Q3466-07	BP026051.D	30 Oct 2025 21:11	RC/JU	Ok

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 # 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

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 # 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

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 # 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

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 # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM		
SubDirectory	BF102925	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144120.D	29 Oct 2025 11:00		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144121.D	29 Oct 2025 11:30		RC/JU	Ok
3	PB170202TB	PB170202TB	BF144122.D	29 Oct 2025 12:00		RC/JU	Ok
4	PB170259BL	PB170259BL	BF144123.D	29 Oct 2025 12:30		RC/JU	Ok
5	PB170259BS	PB170259BS	BF144124.D	29 Oct 2025 13:00		RC/JU	Ok,M
6	Q3460-17	WC-5	BF144125.D	29 Oct 2025 13:33		RC/JU	Ok,M
7	Q3419-04	PR132-S16-119133-201	BF144126.D	29 Oct 2025 14:03		RC/JU	Ok,M
8	Q3427-04MS	TP-8MS	BF144127.D	29 Oct 2025 14:33		RC/JU	Ok,M
9	Q3427-04MSD	TP-8MSD	BF144128.D	29 Oct 2025 15:02		RC/JU	Ok,M
10	Q3469-01	TP-13	BF144129.D	29 Oct 2025 15:32		RC/JU	Ok,M
11	Q3469-01MS	TP-13MS	BF144130.D	29 Oct 2025 16:02		RC/JU	Ok,M
12	Q3469-01MSD	TP-13MSD	BF144131.D	29 Oct 2025 16:32		RC/JU	Ok,M
13	Q3434-02	PR132-WC2-20251022	BF144132.D	29 Oct 2025 17:02		RC/JU	Ok
14	Q3480-01	RT3449	BF144133.D	29 Oct 2025 17:32		RC/JU	Ok
15	Q3476-01	NB-07-102825	BF144134.D	29 Oct 2025 18:01		RC/JU	Ok
16	Q3466-02	B8-0.0-1.0-20251023	BF144135.D	29 Oct 2025 18:31		RC/JU	Ok,M
17	Q3466-07	B7-1.0-2.0-20251023	BF144136.D	29 Oct 2025 19:01	Need straight Run	RC/JU	Not Ok
18	Q3481-01	OR-02-102825	BF144137.D	29 Oct 2025 19:30		RC/JU	Ok,M

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 # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM		
SubDirectory	BF102925	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3472-04	COMP-1	BF144138.D	29 Oct 2025 20:00		RC/JU	Ok
20	Q3472-06	COMP-2	BF144139.D	29 Oct 2025 20:29	Internal standard fail	RC/JU	Ok
21	Q3472-08	COMP-3	BF144140.D	29 Oct 2025 20:59	Internal standard fail	RC/JU	Ok
22	Q3472-10	COMP-4	BF144141.D	29 Oct 2025 21:28	Surrogate Fail,	RC/JU	Ok,M
23	Q3472-12	COMP-5	BF144142.D	29 Oct 2025 21:57		RC/JU	Ok
24	Q3472-14	155	BF144143.D	29 Oct 2025 22:27	need further 10X	RC/JU	Dilution

M : Manual Integration

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 # 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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:31 AM		
SubDirectory	BG102825	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064599.D	28 Oct 2025 13:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064600.D	28 Oct 2025 13:45		RC/JU	Ok
3	PB170239TB	PB170239TB	BG064601.D	28 Oct 2025 14:26		RC/JU	Ok
4	Q3460-16	WC-4	BG064602.D	28 Oct 2025 15:10		RC/JU	Ok
5	Q3460-20	WC-5	BG064603.D	28 Oct 2025 15:51		RC/JU	Ok
6	Q3452-04	JB-1	BG064604.D	28 Oct 2025 16:32		RC/JU	Ok
7	Q3451-04	TP-11	BG064605.D	28 Oct 2025 17:13		RC/JU	Ok
8	Q3419-05	PR132-S16-094119-20	BG064606.D	28 Oct 2025 17:54		RC/JU	Ok,M
9	Q3427-01	TP-8	BG064607.D	28 Oct 2025 18:35		RC/JU	Ok,M
10	Q3452-01	JB-1	BG064608.D	28 Oct 2025 19:16		RC/JU	Ok,M
11	Q3376-05	PR132-S12-020047-20	BG064609.D	28 Oct 2025 19:57		RC/JU	Ok
12	Q3451-05	TP-12	BG064610.D	28 Oct 2025 20:37		RC/JU	Ok,M
13	Q3460-05	WC-2	BG064611.D	28 Oct 2025 21:18		RC/JU	Ok
14	Q3460-01	WC-1	BG064612.D	28 Oct 2025 21:59		RC/JU	Ok,M
15	Q3460-13	WC-4	BG064613.D	28 Oct 2025 22:39		RC/JU	Ok,M
16	Q3460-17	WC-5	BG064614.D	28 Oct 2025 23:20	Need Straight Run	RC/JU	Not Ok
17	Q3457-01	TR-05-102425	BG064615.D	29 Oct 2025 00:01		RC/JU	Ok,M
18	Q3465-01	SU-03-10242025	BG064616.D	29 Oct 2025 00:41		RC/JU	Ok

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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:31 AM		
SubDirectory	BG102825	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP
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 # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM		
SubDirectory	BG103125	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	S13181,10ul/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	BG064653.D	31 Oct 2025 12:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064654.D	31 Oct 2025 13:24		RC/JU	Ok
3	PB170342BL	PB170342BL	BG064655.D	31 Oct 2025 14:04		RC/JU	Ok
4	Q3447-08	P001-TW4-251023-01	BG064656.D	31 Oct 2025 14:50		RC/JU	Ok
5	Q3497-01	OK-01-103025	BG064657.D	31 Oct 2025 15:31		RC/JU	Ok
6	Q3504-01	72-11986	BG064658.D	31 Oct 2025 16:12		RC/JU	Ok
7	Q3496-01	DRILL-CUTTINGS	BG064659.D	31 Oct 2025 16:54		RC/JU	Ok
8	Q3477-03	SOUTH-MAHWAH-WA	BG064660.D	31 Oct 2025 17:35		RC/JU	Ok
9	Q3495-01	SB-1025-1	BG064661.D	31 Oct 2025 18:16		RC/JU	Ok
10	Q3495-03	TW-1025-1	BG064662.D	31 Oct 2025 18:57		RC/JU	Ok
11	Q3503-05	324	BG064663.D	31 Oct 2025 19:38		RC/JU	Ok
12	Q3503-01	322	BG064664.D	31 Oct 2025 20:19		RC/JU	Ok
13	Q3486-07	TP6	BG064665.D	31 Oct 2025 21:00		RC/JU	Ok,M
14	Q3486-03DL	TP4DL	BG064666.D	31 Oct 2025 21:41		RC/JU	Ok,M
15	Q3503-03	323	BG064667.D	31 Oct 2025 22:22		RC/JU	Ok
16	Q3501-01	461	BG064668.D	31 Oct 2025 23:04		RC/JU	Ok
17	Q3499-01	RBR251235	BG064669.D	31 Oct 2025 23:45		RC/JU	Ok
18	Q3486-07DL	TP6DL	BG064670.D	1 Nov 2025 00:27	Not Required	RC/JU	Not Ok

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 # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM		
SubDirectory	BG103125	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	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

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	BP026027.D	29 Oct 2025 08:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026029.D	29 Oct 2025 10:07		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026030.D	29 Oct 2025 10:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP026031.D	29 Oct 2025 11:29		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	Compound #26,48,51,53,57,80,84 are kept on LR & Compound #32,54,65 are kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP026033.D	29 Oct 2025 12:51		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP026034.D	29 Oct 2025 13:32		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP026035.D	29 Oct 2025 14:13	Compound #26 is removed from 80ppm & 60PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP102925	BP026036.D	29 Oct 2025 16:09		RC/JU	Ok,M
11	PB170259BL	PB170259BL	BP026037.D	29 Oct 2025 16:50		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP103025

Review By	rahul	Review On	10/31/2025 2:17:51 PM		
Supervise By	Jagrut	Supervise On	10/31/2025 2:25:27 PM		
SubDirectory	BP103025	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/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	BP026038.D	30 Oct 2025 10:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026039.D	30 Oct 2025 11:15		RC/JU	Ok,M
3	PB170294BL	PB170294BL	BP026040.D	30 Oct 2025 11:56		RC/JU	Ok
4	PB170294BS	PB170294BS	BP026041.D	30 Oct 2025 12:36		RC/JU	Ok,M
5	PB170261TB	PB170261TB	BP026042.D	30 Oct 2025 13:17		RC/JU	Ok
6	Q3472-14DL	155DL	BP026043.D	30 Oct 2025 15:01		RC/JU	Ok
7	Q3447-02	P001-TW1-251023-01	BP026044.D	30 Oct 2025 15:42		RC/JU	Ok,M
8	Q3447-04	P001-TW2-251023-01	BP026045.D	30 Oct 2025 16:23		RC/JU	Ok
9	Q3447-04MS	P001-TW2-251023-01M	BP026046.D	30 Oct 2025 17:46		RC/JU	Ok,M
10	Q3447-04MSD	P001-TW2-251023-01M	BP026047.D	30 Oct 2025 18:27		RC/JU	Ok,M
11	Q3469-04	TP-13	BP026048.D	30 Oct 2025 19:08		RC/JU	Ok,M
12	Q3447-08	P001-TW4-251023-01	BP026049.D	30 Oct 2025 19:49	Surrogate Fail;Internal Standard Fail	RC/JU	ReRun
13	Q3466-05	B9-0.0-1.0-20251023	BP026050.D	30 Oct 2025 20:30		RC/JU	Ok,M
14	Q3466-07	B7-1.0-2.0-20251023	BP026051.D	30 Oct 2025 21:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170239

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 40718710

Start Prep Date : 10/23/2025 **Time :** 15:30

End Prep Date : 10/24/2025 **Time :** 08:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 70

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q3452-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/27/25 10:00	JP / Lab Room	S/B. QA IC+I-
	Preparation Group	Analysis Group Inorganic

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170239

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170239TB	LEB239	20	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3439-04	TP-9	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3439-08	TP-10	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3440-04	JB-2	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3446-01	SB-14	04	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-02	SB-15	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3446-03	SB-16	06	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-04	SB-17	07	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-05	SB-18	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3446-06	SB-19	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-07	SB-20	10	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-08	SB-21	11	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q3447-02	P001-TW1-251023-01	12	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q3447-04	P001-TW2-251023-01	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q3447-06	P001-TW3-251023-01	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q3447-08	P001-TW4-251023-01	15	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3449-06	CF-620-COMP-41	16	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3451-04	TP-11	17	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3451-08	TP-12	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q3452-04	JB-1	19	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170239TB	LEB239	N/A	N/A	N/A	N/A	N/A	N/A
Q3439-04	TP-9	N/A	N/A	N/A	N/A	100	N/A
Q3439-08	TP-10	N/A	N/A	N/A	N/A	100	N/A
Q3440-04	JB-2	N/A	N/A	N/A	N/A	100	N/A
Q3446-01	SB-14	N/A	N/A	N/A	N/A	100	N/A
Q3446-02	SB-15	N/A	N/A	N/A	N/A	100	N/A
Q3446-03	SB-16	N/A	N/A	N/A	N/A	100	N/A
Q3446-04	SB-17	N/A	N/A	N/A	N/A	100	N/A
Q3446-05	SB-18	N/A	N/A	N/A	N/A	100	N/A
Q3446-06	SB-19	N/A	N/A	N/A	N/A	100	N/A
Q3446-07	SB-20	N/A	N/A	N/A	N/A	100	N/A
Q3446-08	SB-21	N/A	N/A	N/A	N/A	100	N/A
Q3447-02	P001-TW1-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-04	P001-TW2-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-06	P001-TW3-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-08	P001-TW4-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3449-06	CF-620-COMP-41	N/A	N/A	N/A	N/A	100	N/A
Q3451-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q3451-08	TP-12	N/A	N/A	N/A	N/A	100	N/A
Q3452-04	JB-1	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170239

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170239TB	LEB239	N/A	N/A	N/A	N/A	#1	4.94
Q3439-04	TP-9	5.01	96.5	7.6	2.5	#1	4.94
Q3439-08	TP-10	5.02	96.5	7.0	2.5	#1	4.94
Q3440-04	JB-2	5.03	96.5	7.6	2.5	#1	4.94
Q3446-01	SB-14	5.02	96.5	5.5	1.5	#1	4.94
Q3446-02	SB-15	5.03	96.5	5.6	1.5	#1	4.94
Q3446-03	SB-16	5.02	96.5	5.6	2.0	#1	4.94
Q3446-04	SB-17	5.03	96.5	5.5	1.5	#1	4.94
Q3446-05	SB-18	5.02	96.5	5.6	1.5	#1	4.94
Q3446-06	SB-19	5.01	96.5	5.5	2.0	#1	4.94
Q3446-07	SB-20	5.02	96.5	5.6	1.5	#1	4.94
Q3446-08	SB-21	5.03	96.5	5.5	2.0	#1	4.94
Q3447-02	P001-TW1-251023-01	5.04	96.5	7.6	2.5	#1	4.94
Q3447-04	P001-TW2-251023-01	5.03	96.5	7.4	2.5	#1	4.94
Q3447-06	P001-TW3-251023-01	5.02	96.5	6.0	2.0	#1	4.94
Q3447-08	P001-TW4-251023-01	5.01	96.5	5.5	1.5	#1	4.94
Q3449-06	CF-620-COMP-41	5.02	96.5	6.2	2.0	#1	4.94
Q3451-04	TP-11	5.02	96.5	5.8	1.5	#1	4.94
Q3451-08	TP-12	5.01	96.5	7.6	2.5	#1	4.94
Q3452-04	JB-1	5.02	96.5	8.0	3.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q3452 **WorkList ID :** 192673 **Department :** TCLP Extraction **Date :** 10-24-2025 10:54:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3439-04	TP-9	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/22/2025	1311
Q3439-08	TP-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/23/2025	1311
Q3440-04	JB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/22/2025	1311
Q3446-01	SB-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-02	SB-15	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-03	SB-16	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-04	SB-17	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-05	SB-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-06	SB-19	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-07	SB-20	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-08	SB-21	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3447-02	P001-TW1-251023-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3447-04	P001-TW2-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3447-06	P001-TW3-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3447-08	P001-TW4-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3449-06	CF-620-COMP-41	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3451-04	TP-11	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	10/23/2025	1311
Q3451-08	TP-12	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3452-04	JB-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/24/2025	1311

Date/Time 10/24/25 11:30
Raw Sample Received by: SH WC
Raw Sample Relinquished by: SH

Date/Time 10/24/25 17:30
Raw Sample Received by: SH WC
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170267

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/27/2025

Extraction Start Time : 10:10

Extraction End Date : 10/27/2025

Extraction End Time : 15:10

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
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2652
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/27/25	RS (Ext lab)	JH/SVOC
15:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170267

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/27/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170202TB	PB170202TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB170239TB	PB170239TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB170267BL	PB170267BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB170267BS	PB170267BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
Q3427-04	TP-8	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q3427-04MS	TP-8MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q3427-04MSD	TP-8MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q3439-04	TP-9	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q3439-08	TP-10	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q3440-04	JB-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q3447-02	P001-TW1-251023-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q3447-04	P001-TW2-251023-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q3447-06	P001-TW3-251023-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q3447-08	P001-TW4-251023-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q3449-06	CF-620-COMP-41	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q3451-04	TP-11	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q3451-08	TP-12	TCLP BNA	100	6	RUPESH	ritesh	1	A		17
Q3452-04	JB-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		18

RS 10/27

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170239

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170239TB	LEB239	20	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3439-04	TP-9	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3439-08	TP-10	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3440-04	JB-2	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3446-01	SB-14	04	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-02	SB-15	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3446-03	SB-16	06	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-04	SB-17	07	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-05	SB-18	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3446-06	SB-19	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-07	SB-20	10	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-08	SB-21	11	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q3447-02	P001-TW1-251023-01	12	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q3447-04	P001-TW2-251023-01	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q3447-06	P001-TW3-251023-01	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q3447-08	P001-TW4-251023-01	15	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3449-06	CF-620-COMP-41	16	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3451-04	TP-11	17	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3451-08	TP-12	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q3452-04	JB-1	19	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

10/27/25
70.0C

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

Prep Standard - Chemical Standard Summary

Order ID : Q3447

Test : TCLP BNA

Prepbatch ID : PB170267,

Sequence ID/Qc Batch ID: BF102725,BF102825,BF102925,BG102825,BG103125,BP103025,

Standard ID :
EP2609,EP2610,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3657,E3875,E3932,E3954,E3965,E3973,E3980,M6157,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13180,S13181,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,W3112,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6865	08/25/2025	10/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 08/26/2025

FROM 0.40000ml of S11484 + 0.40000ml of S11652 + 0.40000ml of S12552 + 0.40000ml of S13149 + 0.40000ml of S13160 + 0.40000ml of S13207 + 0.90000ml of S12507 + 0.90000ml of S13089 + 1.10000ml of S13120 + 1.20000ml of S12553 + 1.20000ml of S12554 + 1.20000ml of S12555 + 1.20000ml of S12556 + 1.20000ml of S12557 + 1.20000ml of S12558 + 1.20000ml of S12559 + 1.20000ml of S13269 + 1.30000ml of S11808 + 1.30000ml of S12508 + 1.30000ml of S13090 + 1.30000ml of S13091 + 1.30000ml of S13092 + 1.30000ml of S13093 + 1.30000ml of S13094 + 1.30000ml of S13095 + 1.30000ml of S13096 + 1.30000ml of S13118 + 1.30000ml of S13119 + 1.30000ml of S13239 + 1.30000ml of S13240 + 1.30000ml of S13241 + 1.30000ml of S13242 + 1.30000ml of S13243 + 1.30000ml of S13244 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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

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	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 #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	03/31/2031	09/15/2025 / rahul	06/02/2025 / anahy	S13180

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	09/15/2025 / rahul	06/02/2025 / anahy	S13181

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

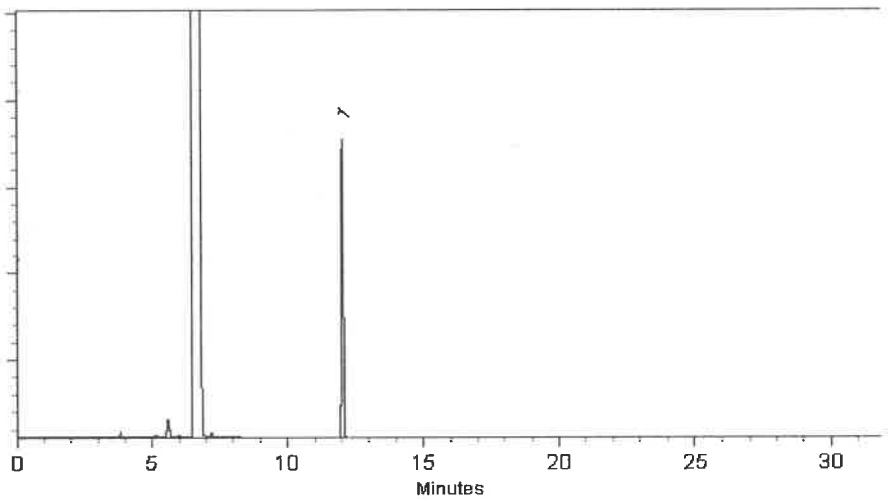
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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. : 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.

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

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.

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

chromatographic plus

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. : 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.)

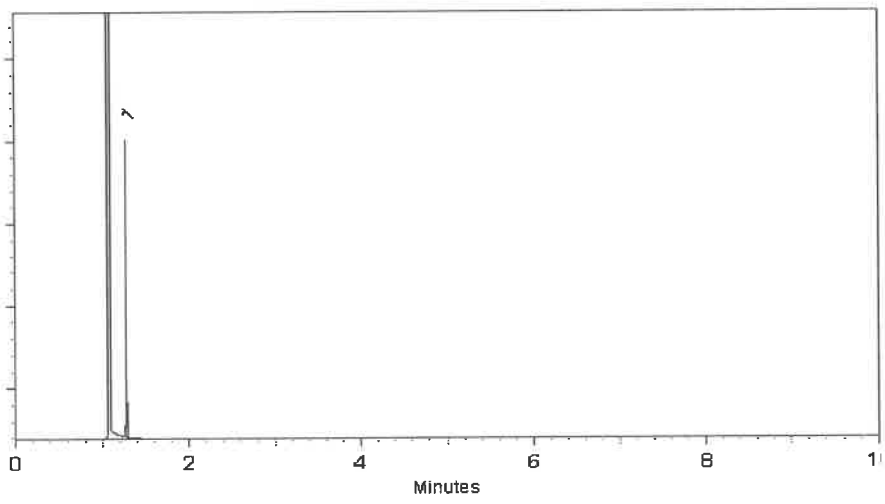
Inj. Temp:
250°C

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.

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

chromatographic plus

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. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

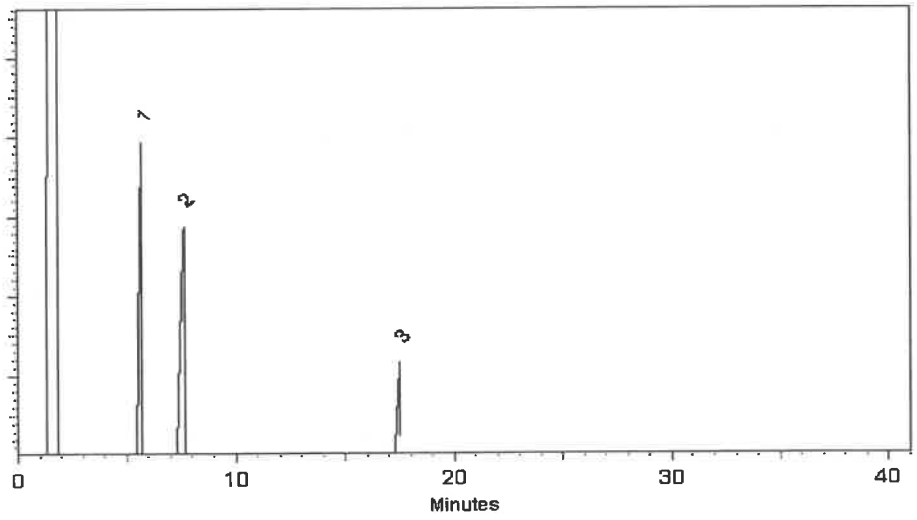
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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

chromatographic plus

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. : 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.)

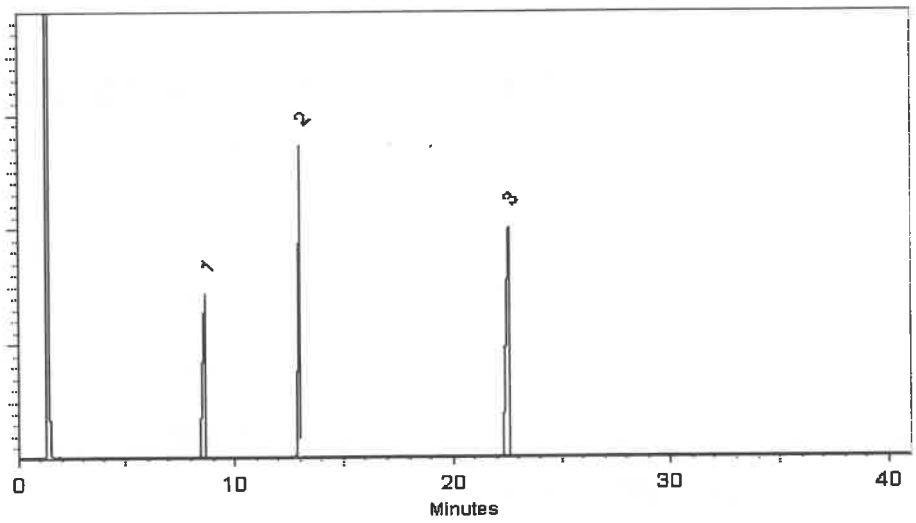
Inj. Temp:
250°C

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

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

chromatographic plus

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. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

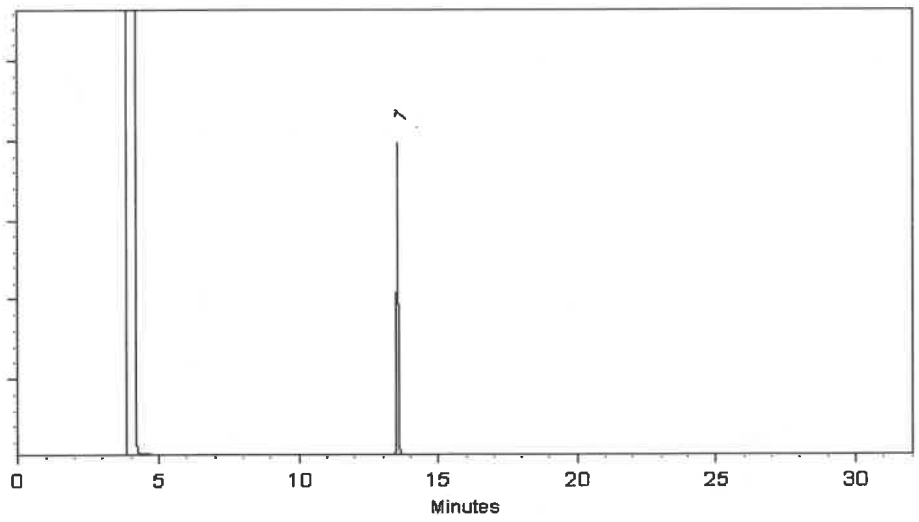
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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.)

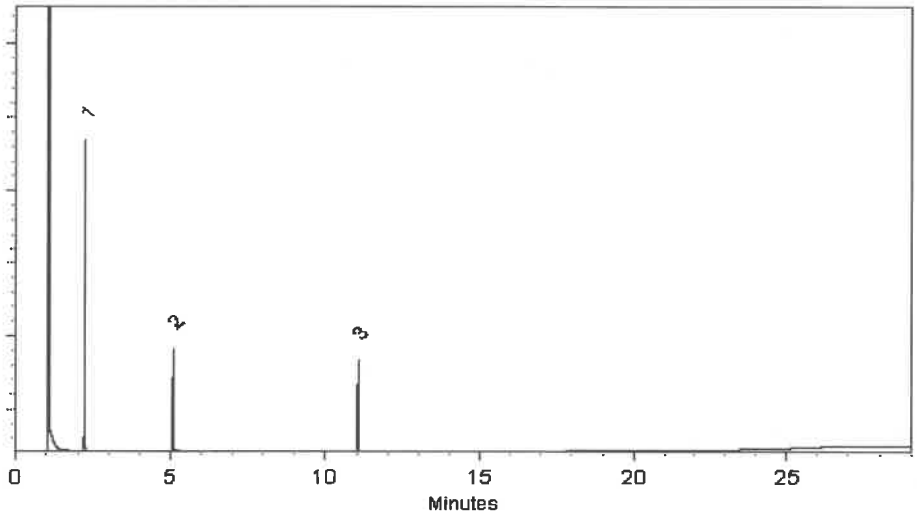
Inj. Temp:
250°C

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

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

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. : 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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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.)

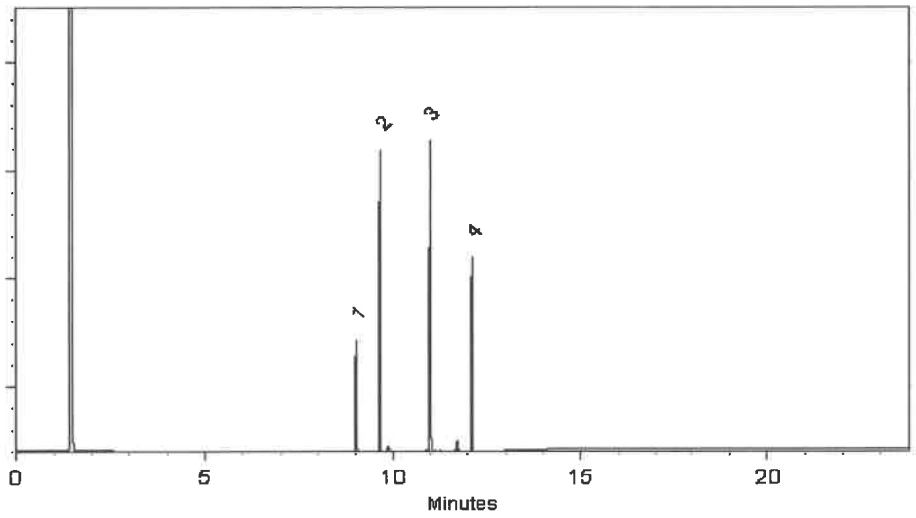
Inj. Temp:
250°C

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

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

chromatographic plus

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. : 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

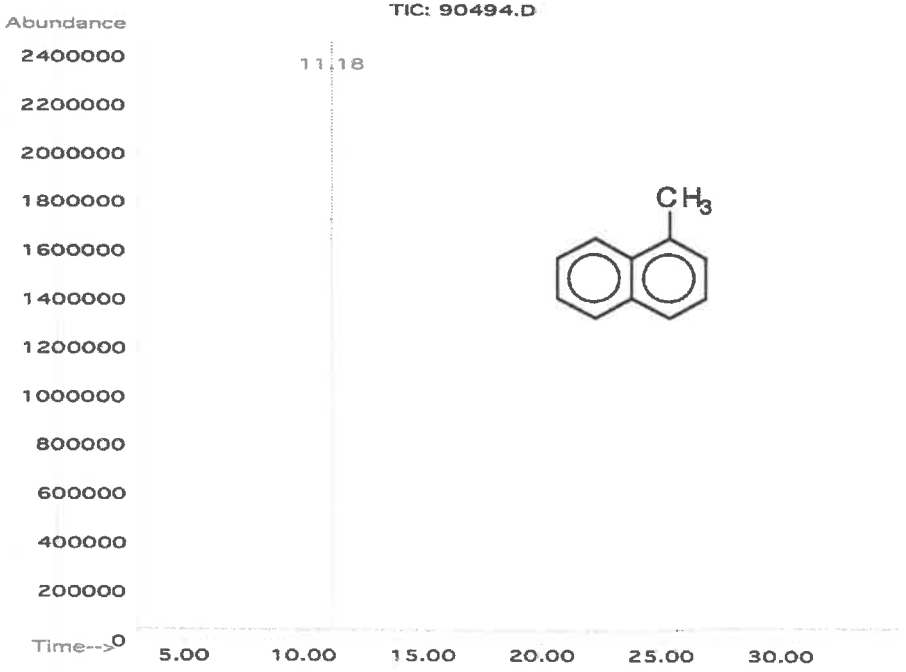
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

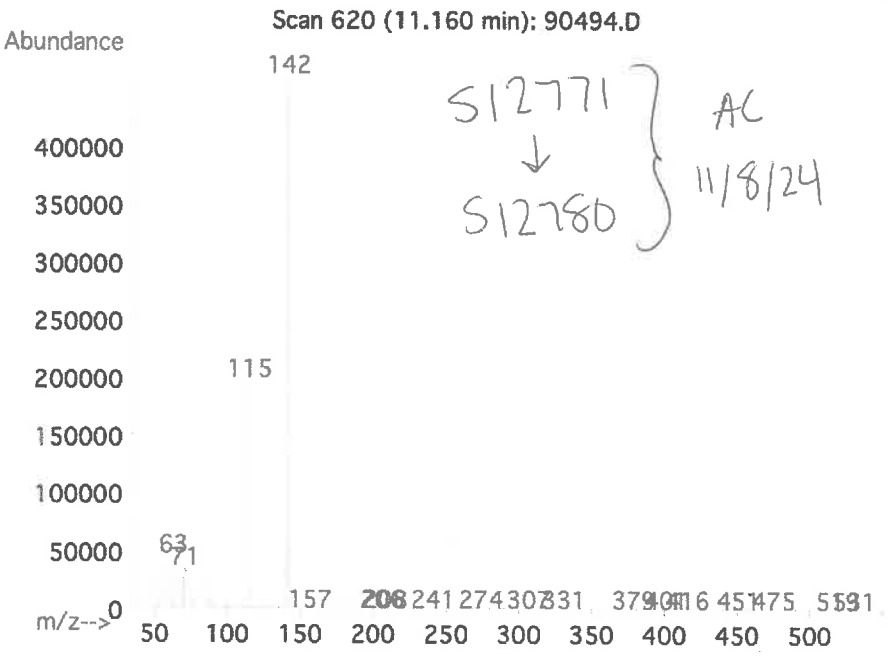
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

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).

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

chromatographic plus

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. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/-	36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/-	36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/-	36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/-	36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/-	36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/-	36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/-	36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/-	36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/-	36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/-	36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/-	36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/-	36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/-	36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/-	36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/-	36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/-	36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/-	36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/-	36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/-	36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/-	36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/-	36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/-	36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/-	36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/-	36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/-	36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/-	36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/-	36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/-	36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/-	36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/-	36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/-	36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/-	36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/-	36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/-	36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/-	36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

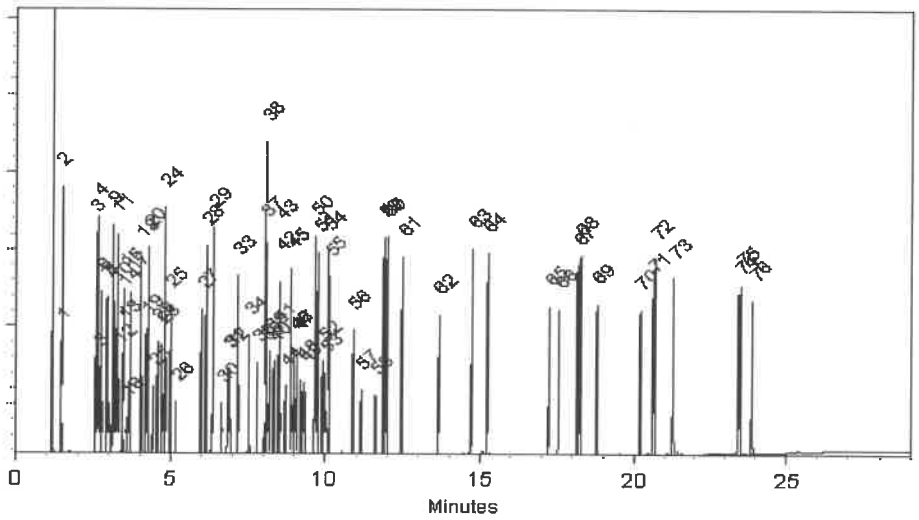
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

chromatographic plus

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. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

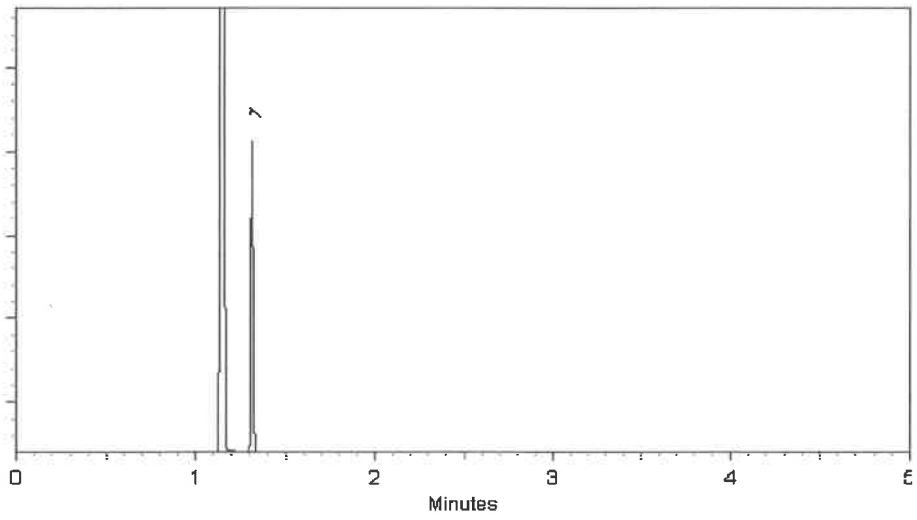
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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

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. : 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

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

chromatographic plus

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. : 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%

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

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.

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

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

chromatographic plus

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. : 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%

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

chromatographic

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.

513229 ↓ 513238 } RC/ 8/1/25

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

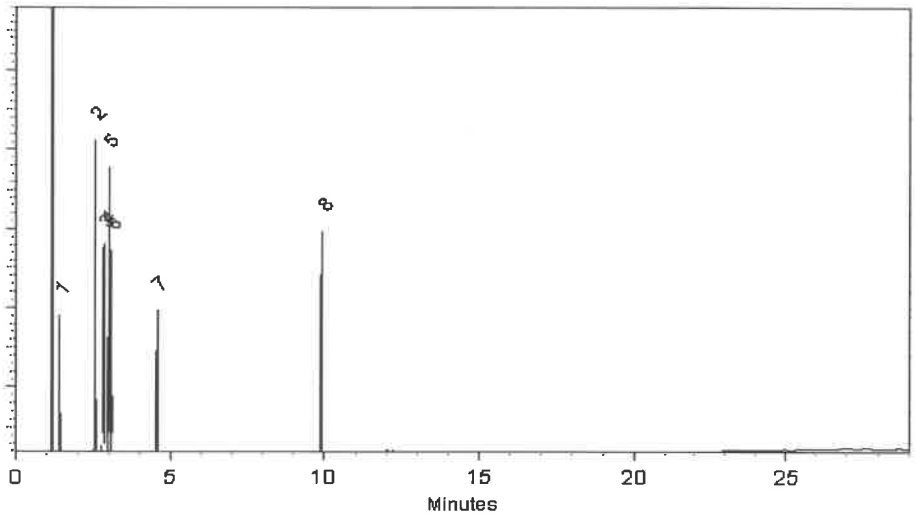
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

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

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. : 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

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

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

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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 Chest 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	Ice chest # 12.1°

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