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

Cover Page

Order ID : Q3483

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q3483-01	HW1025-PT-AN-SOIL
Q3483-02	HW1025-PT-CORR-SOIL
Q3483-03	HW1025-PT-CN-SOIL
Q3483-04	HW1025-PT-CN-SOIL
Q3483-05	HW1025-PT-FP-SOIL
Q3483-06	HW1025-PT-CR6-SOIL
Q3483-07	HW1025-PT-NUT-SOIL
Q3483-08	HW1025-PT-NUT-SOIL
Q3483-09	HW1025-PT-OGR-SOIL
Q3483-10	HW1025-PT-MET-SOIL
Q3483-11	HW1025-PT-BNA-SOIL
Q3483-12	HW1025-PT-TRIAZINE-SOIL
Q3483-13	HW1025-PT-PAH-SOIL
Q3483-14	HW1025-PT-DIES-SOIL
Q3483-15	HW1025-PT-GAS-SOIL
Q3483-16	HW1025-PT-NJEPH-SOIL
Q3483-17	HW1025-PT-HERB-SOIL
Q3483-18	HW1025-PT-PCB-SOIL
Q3483-19	HW1025-PT-PCBO-SOIL
Q3483-20	HW1025-PT-PEST-SOIL
Q3483-21	HW1025-PT-CHLOR-SOIL
Q3483-22	HW1025-PT-TXP-SOIL
Q3483-23	HW1025-PT-VOA-SOIL
Q3483-24	HW1025-PT-SOL-SOIL
Q3483-25	HW1025-PT-NO2-SOIL

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

Signature : _____

Date: 12/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Soil PT
Project # N/A
Order ID # Q3483
Test Name: SVOCMS Group4

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/29/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group4. This data package contains results for SVOCMS Group4.

C. Analytical Techniques:
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 SVOCMS Group4 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

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

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

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_____

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

ORDER ID: Q3483 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

		NA	NO	YES
11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

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

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

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3483**

	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:** **12/15/2025**

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

LAB CHRONICLE

OrderID:	Q3483	**OrderDate:**	10/29/2025 2:32:00 PM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Soil PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3483-11	**HW1025-PT-BNA-SOIL**	**SOIL**			**10/27/25**			**10/29/25**
			SVOCMS Group1	8270E		11/18/25	11/26/25	
Q3483-11DL	**HW1025-PT-BNA-SOILDL**	**SOIL**			**10/27/25**			**10/29/25**
			SVOCMS Group1	8270E		11/18/25	11/26/25	
Q3483-12	**HW1025-PT-TRIAZINE-SOIL**	**SOIL**			**10/27/25**			**10/29/25**
			SVOCMS Group4	8270E		11/18/25	11/26/25	
Q3483-13	**HW1025-PT-PAH-SOIL**	**SOIL**			**10/27/25**			**10/29/25**
			SVOCMS Group3	8270-Modified		11/18/25	12/01/25	
Q3483-13DL	**HW1025-PT-PAH-SOILDL**	**SOIL**			**10/27/25**			**10/29/25**
			SVOCMS Group3	8270-Modified		11/18/25	12/01/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3483

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**HW1025-PT-TRIAZINE-SOIL**							
Q3483-12	HW1025-PT-TRIAZINE-	SOIL	Atrazine	1,500.000		33.6	170	ug/Kg
			Total Svoc :	**1,500.00**				
			Total Concentration:	**1,500.00**				

QC
SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3483

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170598BL	PB170598BL	2-Fluorophenol	150	136	91		10	105
		Phenol-d6	150	136	90		10	103
		Nitrobenzene-d5	100	85.1	85		10	108
		2-Fluorobiphenyl	100	85.3	85		10	108
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	89.0	89		10	109
PB170598BS	PB170598BS	2-Fluorophenol	150	130	86		10	105
		Phenol-d6	150	131	87		10	103
		Nitrobenzene-d5	100	78.2	78		10	108
		2-Fluorobiphenyl	100	75.9	76		10	108
		2,4,6-Tribromophenol	150	126	84		10	116
		Terphenyl-d14	100	83.7	84		10	109
Q3483-12	HW1025-PT-TRIAZINE-SOIL	2-Fluorophenol	150	104	69		10	105
		Phenol-d6	150	108	72		10	103
		Nitrobenzene-d5	100	72.4	72		10	108
		2-Fluorobiphenyl	100	79.4	79		10	108
		2,4,6-Tribromophenol	150	138	92		10	116
		Terphenyl-d14	100	94.2	94		10	109
Q3658-01MS	NB-07-111725MS	2-Fluorophenol	150	98.6	66		10	105
		Phenol-d6	150	99.7	66		10	103
		Nitrobenzene-d5	100	62.3	62		10	108
		2-Fluorobiphenyl	100	59.3	59		10	108
		2,4,6-Tribromophenol	150	90.8	61		10	116
		Terphenyl-d14	100	73.4	73		10	109
Q3658-01MSD	NB-07-111725MSD	2-Fluorophenol	150	98.7	66		10	105
		Phenol-d6	150	99.1	66		10	103
		Nitrobenzene-d5	100	61.9	62		10	108
		2-Fluorobiphenyl	100	57.3	57		10	108
		2,4,6-Tribromophenol	150	93.0	62		10	116
		Terphenyl-d14	100	72.9	73		10	109

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.: Q3483 **Analytical Method:** SW8270E

Client: Alliance Technical Group, LLC - Newark **DataFile:** BG064805.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3658-01MS		**Client Sample ID:** NB-07-111725MS									
Atrazine	1100	0	1000	ug/Kg	91				79	127	

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.: Q3483 **Analytical Method:** SW8270E

Client: Alliance Technical Group, LLC - Newark **DataFile:** BG064806.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3658-01MSD		**Client Sample ID:** NB-07-111725MSD									
Atrazine	1100	0	1000	ug/Kg	91		0		79	127	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.: Q3483 **Analytical Method:** 8270E

Client: Alliance Technical Group, LLC - Newark **DataFile:** BG064801.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170598BS	Atrazine	1700	1400	ug/Kg	82				71	122	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170598BL

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q3483

Lab File ID: BG064800.D | Lab Sample ID: PB170598BL

Instrument ID: BNA_G | Date Extracted: 11/18/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/18/2025

Level: (low/med) LOW | Time Analyzed: 12:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170598BS	PB170598BS	BG064801.D	11/18/2025
NB-07-111725MS	Q3658-01MS	BG064805.D	11/18/2025
NB-07-111725MSD	Q3658-01MSD	BG064806.D	11/18/2025
HW1025-PT-TRIAZINE-SOIL	Q3483-12	BP026194.D	11/26/2025

COMMENTS:

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: ALLI03

Lab Code: ACE — SDG NO.: Q3483

Lab File ID: BG064744.D — DFTPP Injection Date: 11/12/2025

Instrument ID: BNA_G — DFTPP Injection Time: 10:37

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	7.7
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	84.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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
SSTDICC2.5	SSTDICC2.5	BG064745.D	11/12/2025	11:17
SSTDICC005	SSTDICC005	BG064746.D	11/12/2025	11:58
SSTDICC010	SSTDICC010	BG064747.D	11/12/2025	12:39
SSTDICC020	SSTDICC020	BG064748.D	11/12/2025	13:20
SSTDICCC040	SSTDICCC040	BG064749.D	11/12/2025	14:00
SSTDICC050	SSTDICC050	BG064750.D	11/12/2025	14:41
SSTDICC060	SSTDICC060	BG064751.D	11/12/2025	15:23
SSTDICC080	SSTDICC080	BG064752.D	11/12/2025	16:04

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: ALLI03

Lab Code: ACE — SDG NO.: Q3483

Lab File ID: BG064798.D — DFTPP Injection Date: 11/18/2025

Instrument ID: BNA_G — DFTPP Injection Time: 11:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	84.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064799.D	11/18/2025	12:10
PB170598BL	PB170598BL	BG064800.D	11/18/2025	12:53
PB170598BS	PB170598BS	BG064801.D	11/18/2025	13:34
NB-07-111725MS	Q3658-01MS	BG064805.D	11/18/2025	16:21
NB-07-111725MSD	Q3658-01MSD	BG064806.D	11/18/2025	17:01

Raw Data: **BP026142.D**

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: ALLI03

Lab Code: ACE SDG NO.: Q3483

Lab File ID: BP026142.D DFTPP Injection Date: 11/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 13:45

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	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	79.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.3 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP026143.D	11/18/2025	14:31
SSTDICC005	SSTDICC005	BP026144.D	11/18/2025	15:12
SSTDICC010	SSTDICC010	BP026145.D	11/18/2025	15:54
SSTDICC020	SSTDICC020	BP026146.D	11/18/2025	16:35
SSTDICCC040	SSTDICCC040	BP026147.D	11/18/2025	17:57
SSTDICC050	SSTDICC050	BP026148.D	11/18/2025	18:38
SSTDICC060	SSTDICC060	BP026149.D	11/18/2025	20:00
SSTDICC080	SSTDICC080	BP026150.D	11/18/2025	21:22

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: ALLI03

Lab Code: ACE — SDG NO.: Q3483

Lab File ID: BP026189.D — DFTPP Injection Date: 11/26/2025

Instrument ID: BNA_P — DFTPP Injection Time: 13:23

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	0.1 (0.5) 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	6.7
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	79.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP026190.D	11/26/2025	14:04
HW1025-PT-TRIAZINE-SOIL	Q3483-12	BP026194.D	11/26/2025	19:14

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.: Q3483

Client ID : SSTDCCC040 Date Analyzed: 11/18/2025

Lab File ID: BG064799.D Time Analyzed: 12:10

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	48235	8.164	186828	10.98	151237	14.77
	UPPER LIMIT	96470	8.664	373656	11.478	302474	15.274
	LOWER LIMIT	24117.5	7.664	93414	10.478	75618.5	14.274
	EPA SAMPLE NO.						
01	PB170598BL	39789	8.16	147034	10.98	118356	14.78
02	PB170598BS	43218	8.16	173831	10.98	141529	14.77
03	NB-07-111725MS	48188	8.16	195252	10.98	155870	14.77
04	NB-07-111725MSD	45859	8.16	185864	10.98	153717	14.77

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.: Q3483

Client ID: SSTDCCC040 Date Analyzed: 11/18/2025

Lab File ID: BG064799.D Time Analyzed: 12:10

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	378244	17.5	462465	21.754	455207	25.009
	UPPER LIMIT	756488	18	924930	22.254	910414	25.509
	LOWER LIMIT	189122	17	231233	21.254	227604	24.509
	EPA SAMPLE NO.						
01	PB170598BL	299804	17.50	430208	21.75	423715	25.01
02	PB170598BS	367810	17.51	443295	21.75	396280	25.01
03	NB-07-111725MS	348676	17.51	336753	21.75	363160	25.02
04	NB-07-111725MSD	346793	17.51	343005	21.75	371739	25.02

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.: Q3483

Client ID : SSTDCCC040 Date Analyzed: 11/26/2025

Lab File ID: BP026190.D Time Analyzed: 14:04

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	263413	7.666	1101920	10.43	729934	14.29
	UPPER LIMIT	526826	8.166	2203840	10.925	1459870	14.789
	LOWER LIMIT	131707	7.166	550960	9.925	364967	13.789
	EPA SAMPLE NO.						
01	HW1025-PT-TRIAZINE-SOIL	233633	7.66	911071	10.43	603828	14.30

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.: Q3483

Client ID: SSTDCCC040 Date Analyzed: 11/26/2025

Lab File ID: BP026190.D Time Analyzed: 14:04

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	1501840	17.095	1698650	21.554	1917740	24.854
	UPPER LIMIT	3003680	17.595	3397300	22.054	3835480	25.354
	LOWER LIMIT	750920	16.595	849325	21.054	958870	24.354
	EPA SAMPLE NO.						
01	HW1025-PT-TRIAZINE-SOIL	1239080	17.11	1354640	21.55	1546710	24.84

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BP026194.D**

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	10/27/25
Project:	NJ Soil PT	Date Received:	10/29/25
Client Sample ID:	HW1025-PT-TRIAZINE-SOIL	SDG No.:	Q3483
Lab Sample ID:	Q3483-12	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.36 g Final Vol: 1000 uL	Test:	SVOCMS Group4
Prep Method :	SW3541 Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
1912-24-9	Atrazine	1500		1	33.6	170	ug/Kg	11/26/25 19:14	PB170598
SURROGATES									
367-12-4	2-Fluorophenol	104			10 - 105	69%	SPK: 150		
13127-88-3	Phenol-d6	108			10 - 103	72%	SPK: 150		
4165-60-0	Nitrobenzene-d5	72.4			10 - 108	72%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.4			10 - 108	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	138			10 - 116	92%	SPK: 150		
1718-51-0	Terphenyl-d14	94.2			10 - 109	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	234000							
1146-65-2	Naphthalene-d8	911000							
15067-26-2	Acenaphthene-d10	604000							
1517-22-2	Phenanthrene-d10	1240000							
1719-03-5	Chrysene-d12	1350000							
1520-96-3	Perylene-d12	1550000							

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\BP112725\
Data File : BP026194.D
Acq On : 26 Nov 2025 19:14
Operator : RC/JU
Sample : Q3483-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Quant Time: Nov 27 00:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

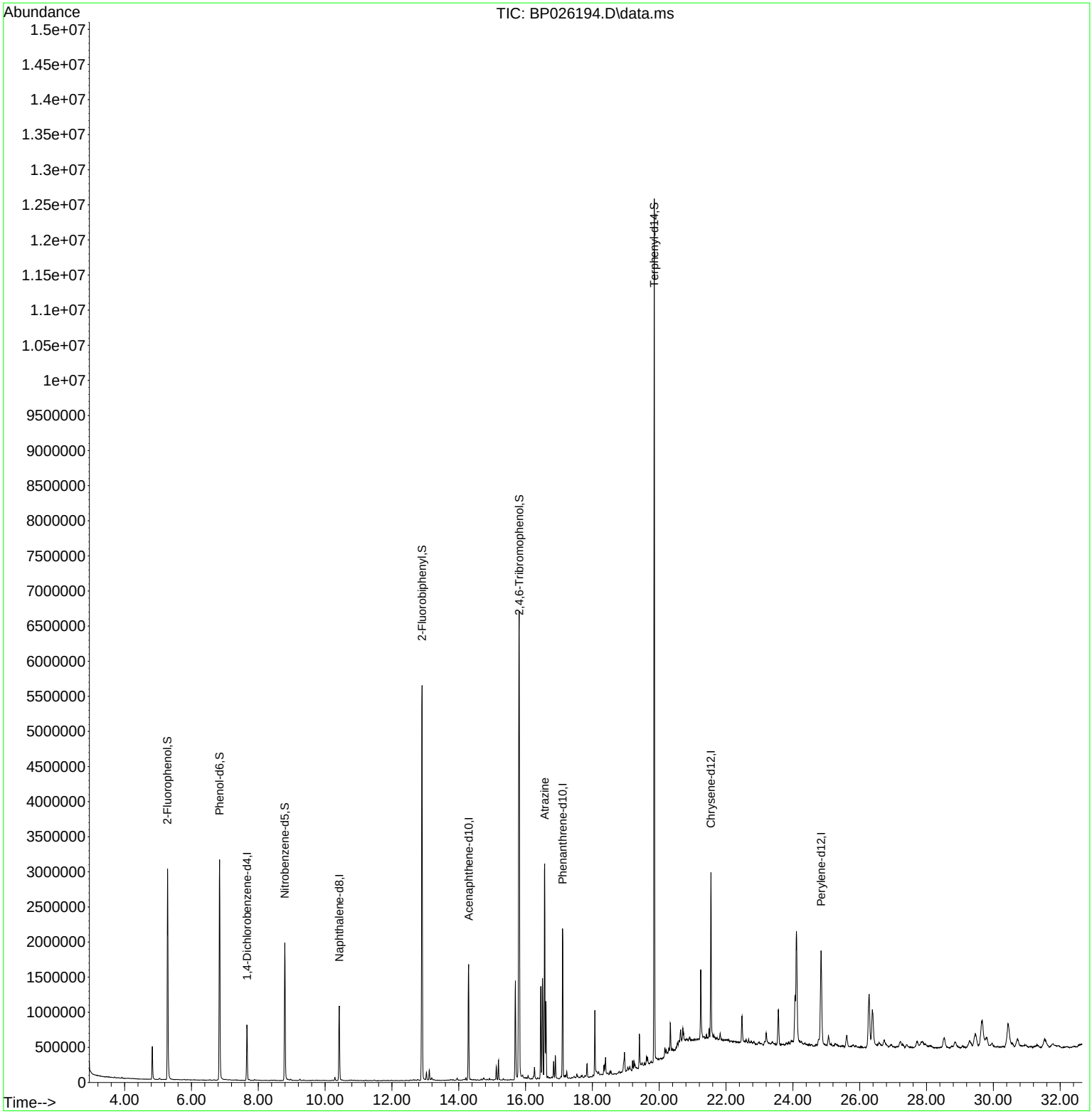
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	233633	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	911071	20.000	ng	-0.02
39) Acenaphthene-d10	14.295	164	603828	20.000	ng	-0.03
64) Phenanthrene-d10	17.107	188	1239075	20.000	ng	-0.02
76) Chrysene-d12	21.548	240	1354637	20.000	ng	-0.02
86) Perylene-d12	24.842	264	1546707	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1514695	104.061	ng	0.00
7) Phenol-d6	6.843	99	1992679	107.534	ng	-0.01
23) Nitrobenzene-d5	8.796	82	1161477	72.414	ng	-0.02
42) 2,4,6-Tribromophenol	15.813	330	1083394	138.309	ng	-0.02
45) 2-Fluorobiphenyl	12.901	172	3272613	79.432	ng	-0.03
79) Terphenyl-d14	19.854	244	6261404	94.249	ng	-0.02
Target Compounds						Qvalue
69) Atrazine	16.572	200	640996	44.348	ng	98

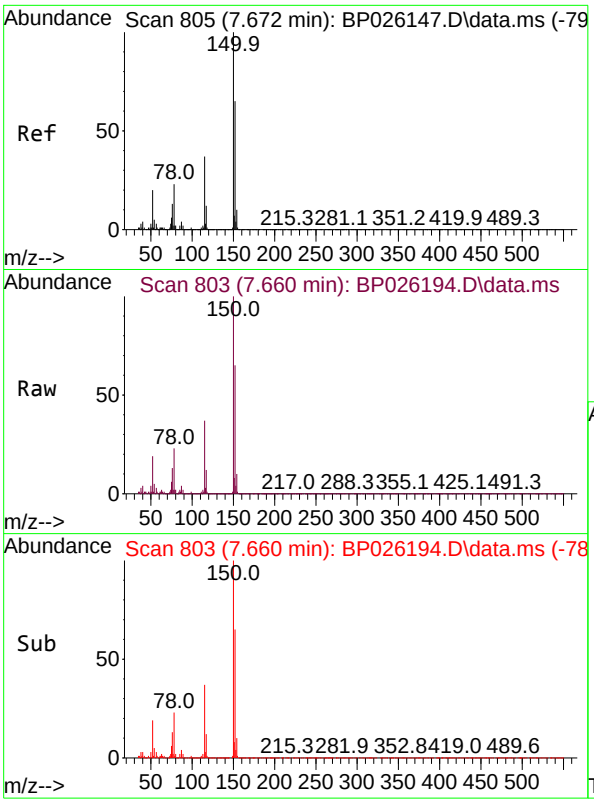
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026194.D
Acq On : 26 Nov 2025 19:14
Operator : RC/JU
Sample : Q3483-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Quant Time: Nov 27 00:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration



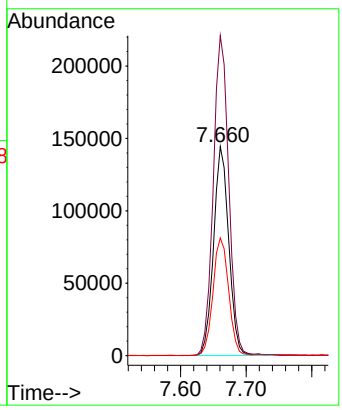


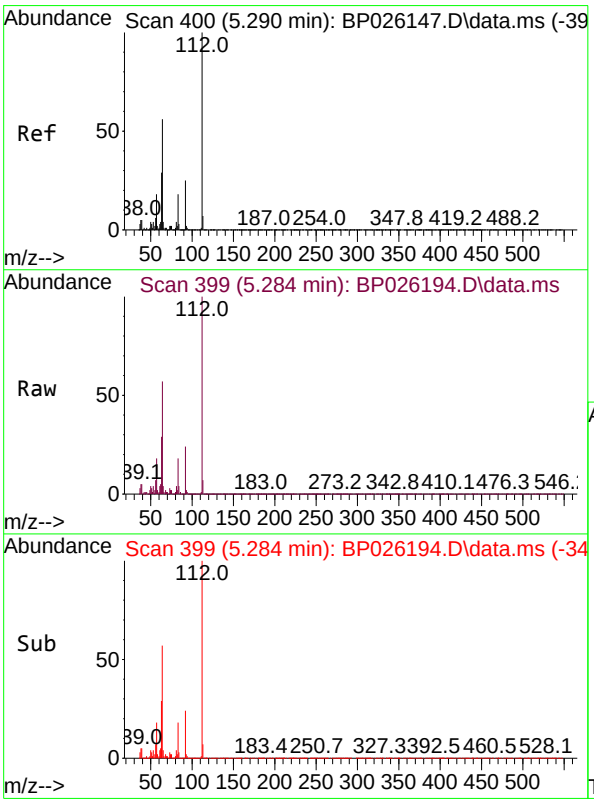
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:152 Resp: 233633

Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.0	184.6
115	56.3	46.3	69.5

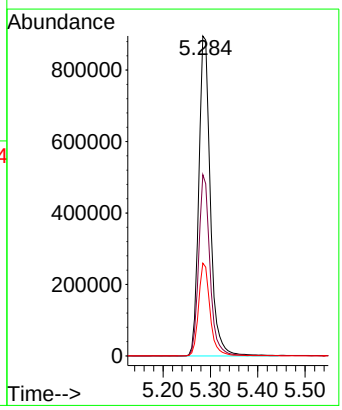


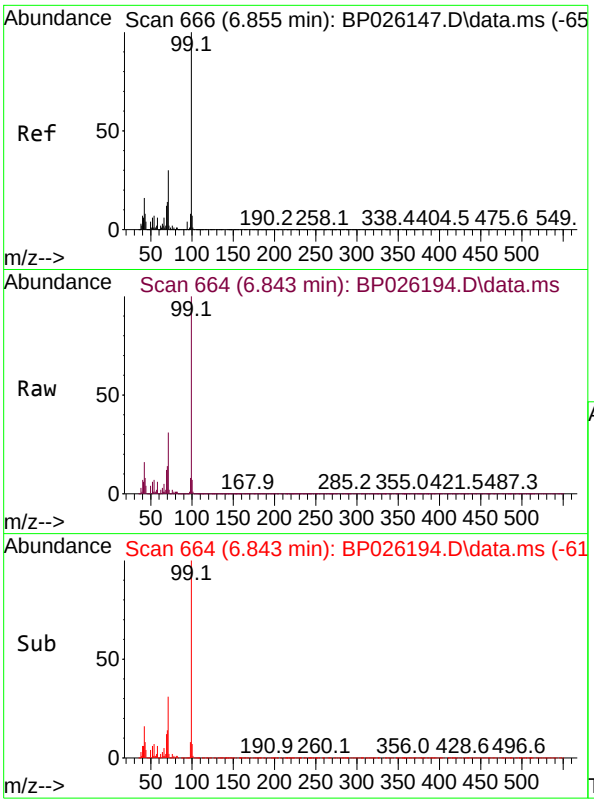


#5
2-Fluorophenol
Concen: 104.061 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:112 Resp: 1514695

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.8	68.6
63	29.0	23.5	35.3



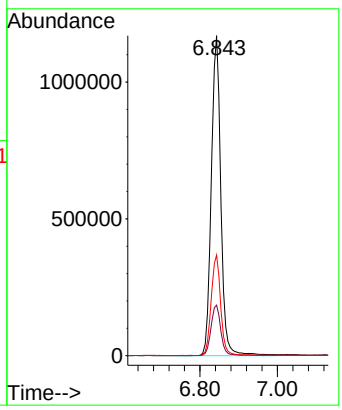


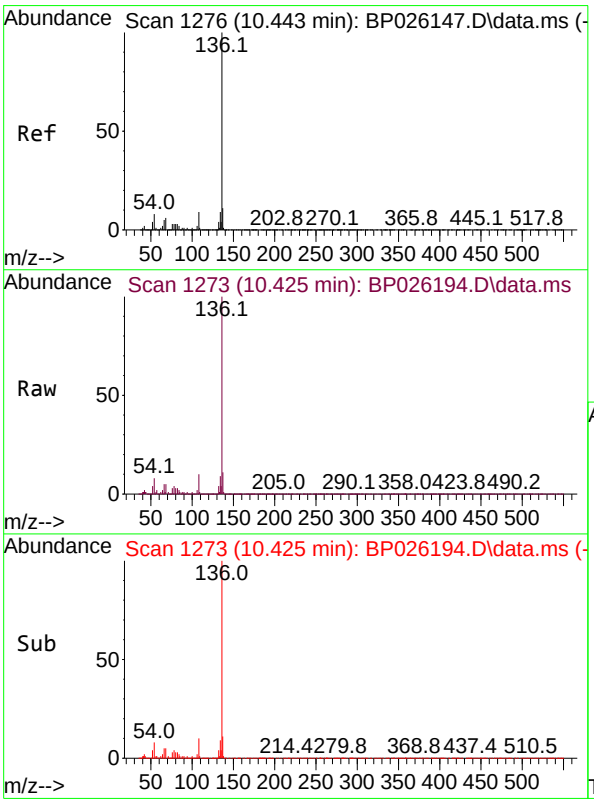
#7
Phenol-d6
Concen: 107.534 ng
RT: 6.843 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion: 99 Resp: 1992679

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.9	19.3
71	31.4	24.8	37.2

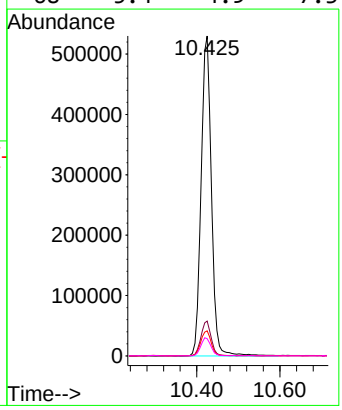


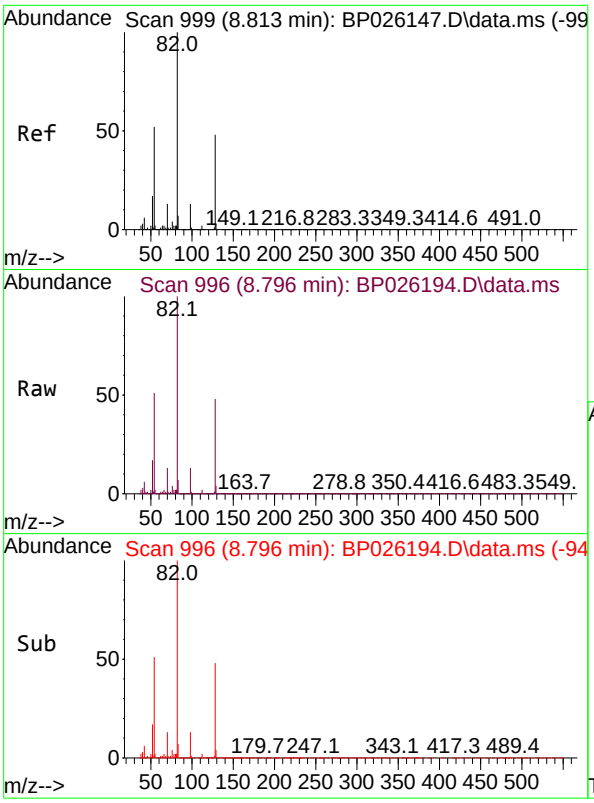


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:136 Resp: 911071

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.8	6.4	9.6
68	5.4	4.9	7.3



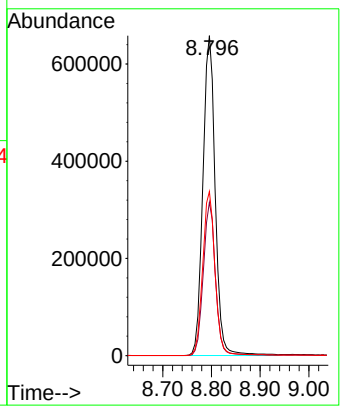


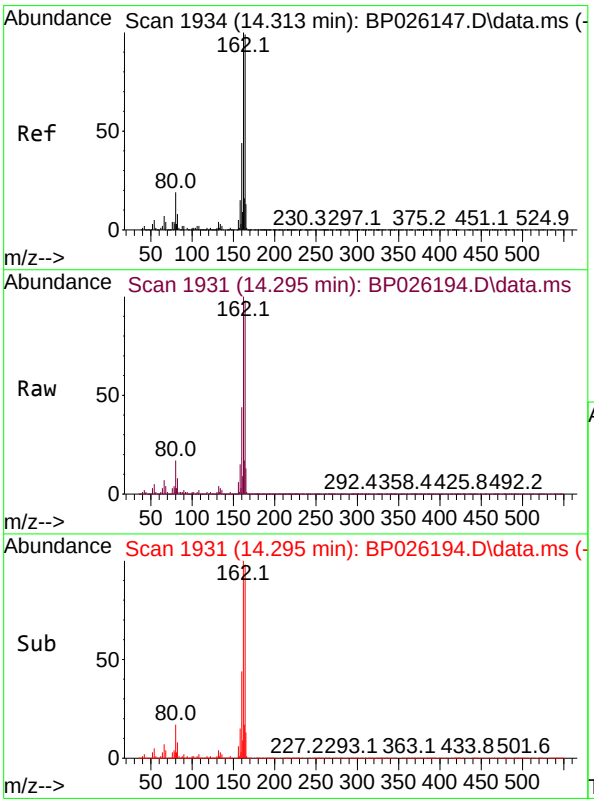
#23
Nitrobenzene-d5
Concen: 72.414 ng
RT: 8.796 min Scan# 99
Delta R.T. -0.018 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion: 82 Resp: 1161477

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.4	56.0
54	51.3	41.6	62.4

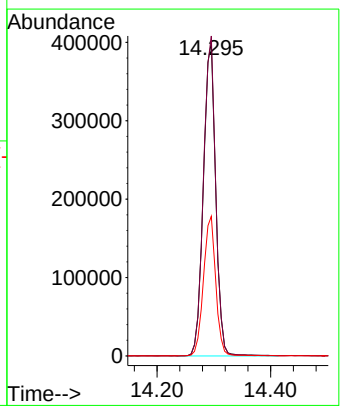


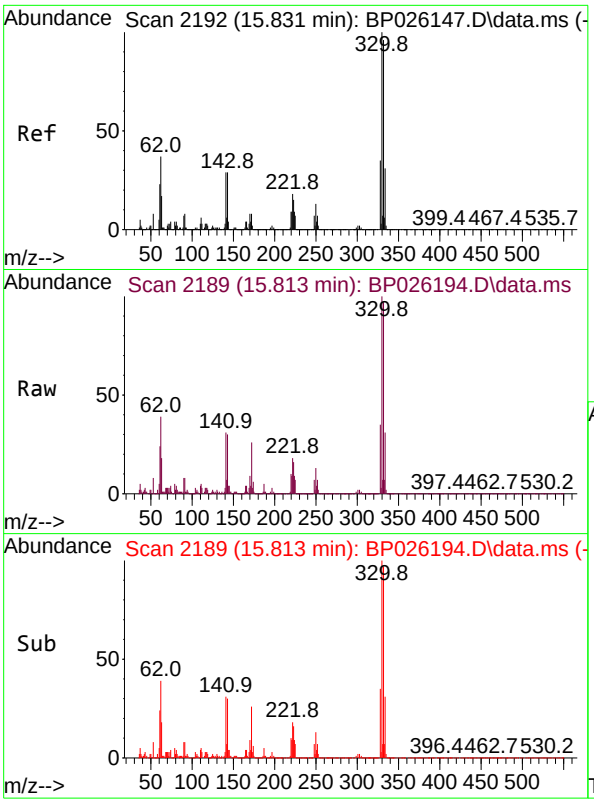


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.029 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:164 Resp: 603828

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.3	120.5
160	44.6	35.2	52.8



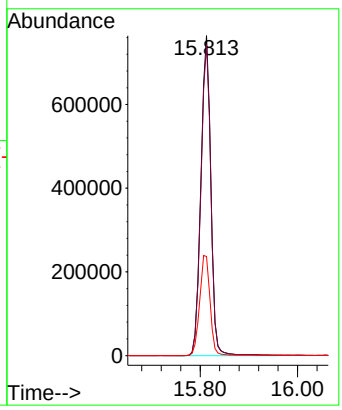


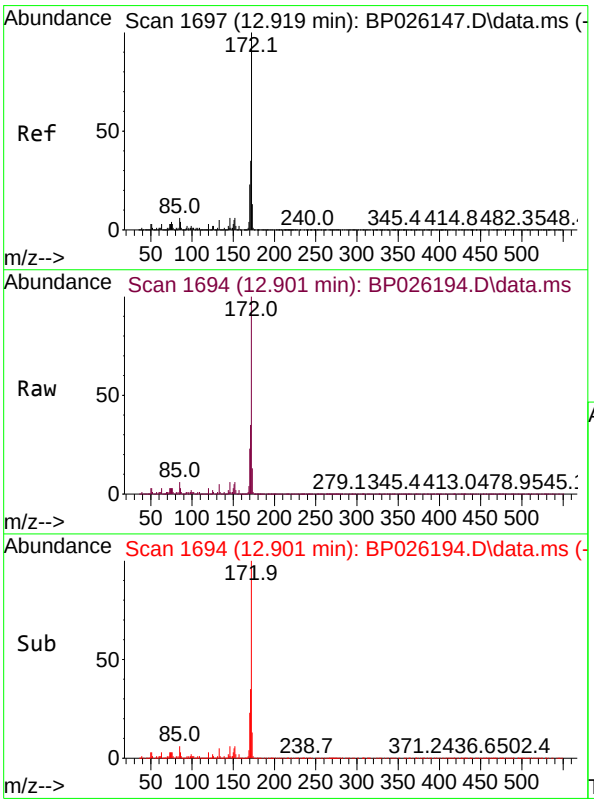
#42
2,4,6-Tribromophenol
Concen: 138.309 ng
RT: 15.813 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:330 Resp: 1083394

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	32.6	26.8	40.2

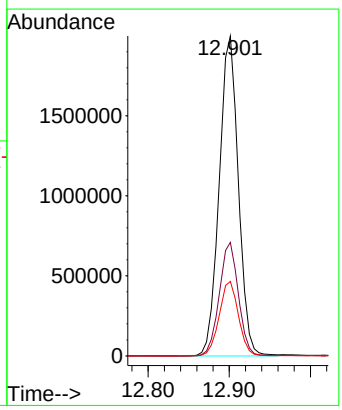


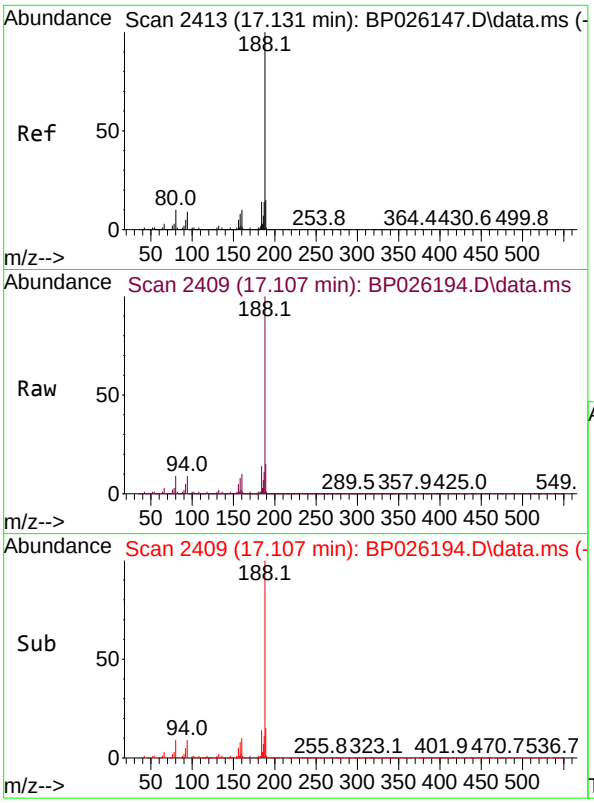


#45
2-Fluorobiphenyl
Concen: 79.432 ng
RT: 12.901 min Scan# 1694
Delta R.T. -0.029 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:172 Resp: 3272613

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.3	18.7	28.1



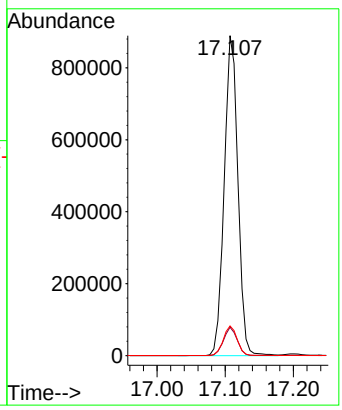


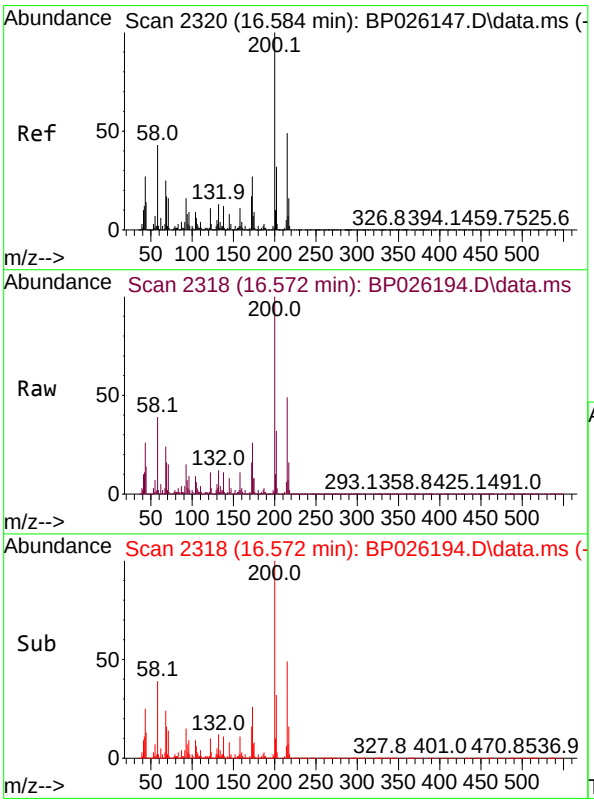
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.107 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:188 Resp: 1239075

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.8	11.6
80	9.3	8.2	12.2

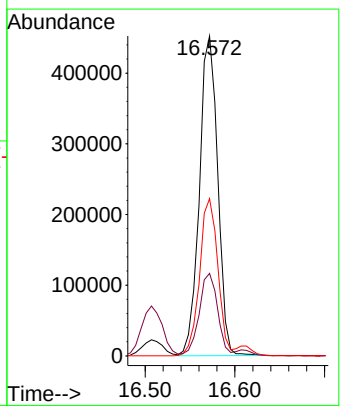


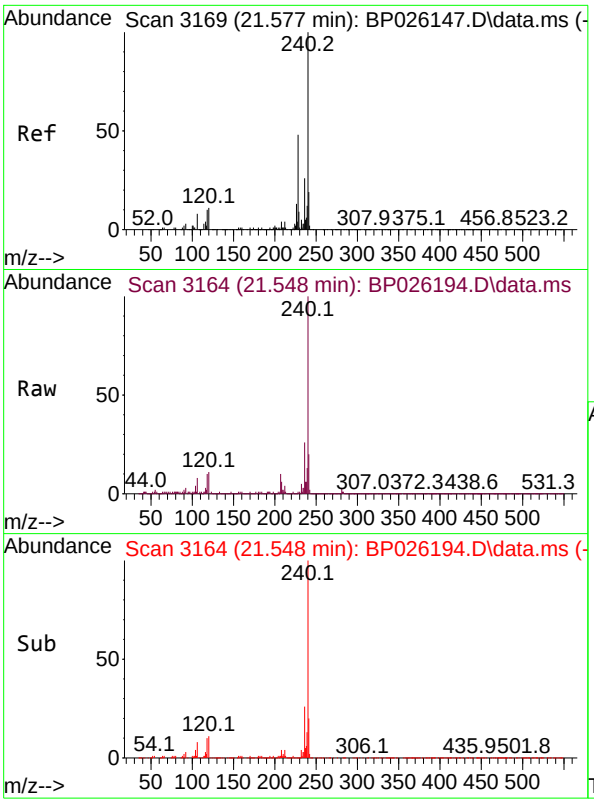


#69
Atrazine
Concen: 44.348 ng
RT: 16.572 min Scan# 2318
Delta R.T. -0.018 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:200 Resp: 640996

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.7	46.7
215	49.1	27.4	67.4



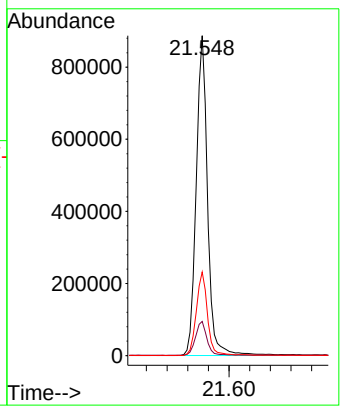


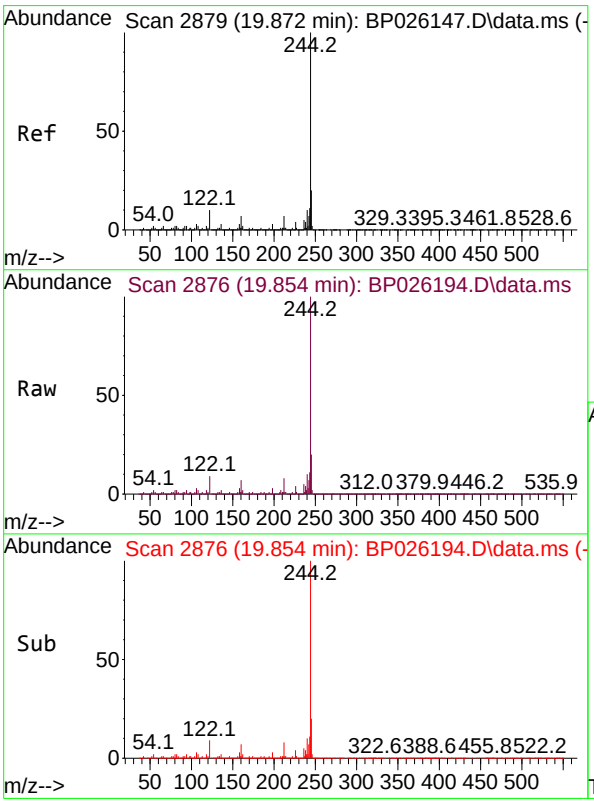
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:240 Resp: 1354637

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	26.1	20.4	30.6

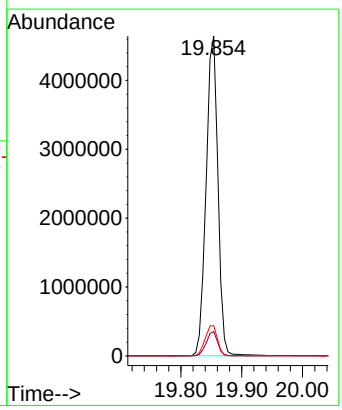


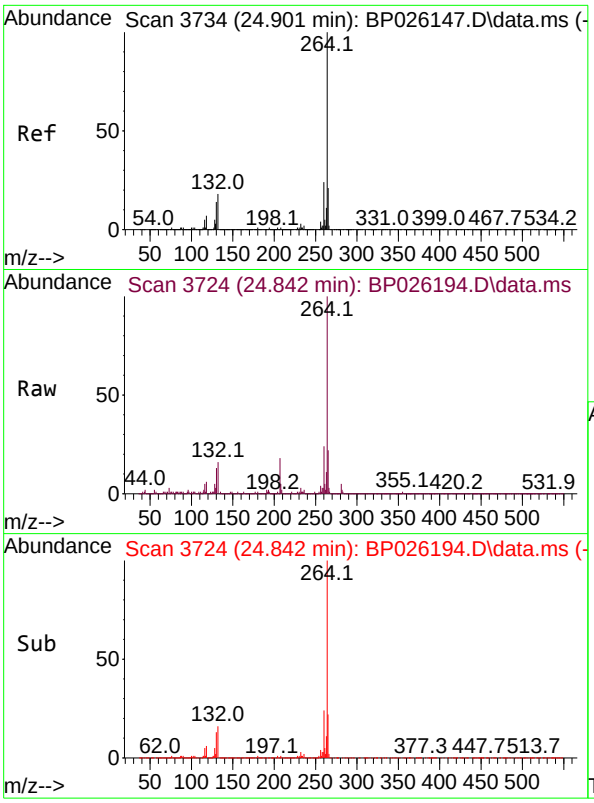


#79
Terphenyl-d14
Concen: 94.249 ng
RT: 19.854 min Scan# 2876
Delta R.T. -0.018 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Tgt Ion:244 Resp: 6261404

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	9.4	8.2	12.2



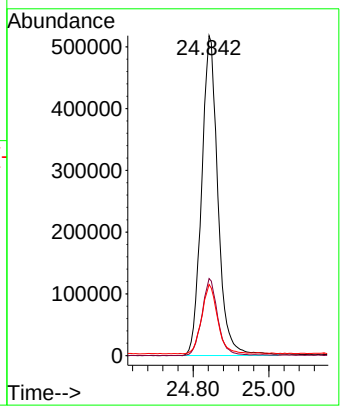


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.842 min Scan# 3
Delta R.T. -0.065 min
Lab File: BP026194.D
Acq: 26 Nov 2025 19:14

Instrument :
BNA_P
ClientSampleId :
HW1025-PT-TRIAZINE-SOIL

Tgt Ion:264 Resp: 1546707

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	17.5	26.3



CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064745.D 5 =BG064746.D 10 =BG064747.D 20 =BG064748.D 40 =BG064749.D 50 =BG064750.D 60 =BG064751.D 80 =BG0647
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.420	0.422	0.443	3.90
3)		Pyridine		1.269	1.297	1.315	1.365	1.355	1.344	1.303	1.321	2.62
4)		n-Nitrosodimet...			0.657	0.664	0.687	0.690	0.672	0.665	0.672	1.95
5)	S	2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.151	1.140	1.145	2.85
6)		Aniline		1.783	2.001	2.105	2.109	2.125	2.034	2.057	2.030	5.82
7)	S	Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.535	1.540	1.523	4.95
8)		2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.225	1.261	1.258	3.36
9)		Benzaldehyde			1.027	0.980	1.029	0.949	1.004	0.994	0.997	3.01
10)	C	Phenol		1.501	1.584	1.666	1.711	1.774	1.669	1.698	1.657	5.40
11)		bis(2-Chloroet...		1.093	1.141	1.224	1.234	1.224	1.164	1.176	1.179	4.39
12)		1,3-Dichlorobe...		1.410	1.423	1.487	1.492	1.467	1.412	1.440	1.447	2.38
13)	C	1,4-Dichlorobe...		1.434	1.461	1.529	1.501	1.485	1.448	1.456	1.474	2.26
14)		1,2-Dichlorobe...		1.416	1.371	1.444	1.475	1.447	1.429	1.419	1.429	2.27
15)		Benzyl Alcohol			1.055	1.229	1.305	1.338	1.276	1.300	1.250	8.18
16)		2,2'-oxybis(1-...		2.713	2.796	2.959	2.834	2.861	2.687	2.692	2.792	3.63
17)		2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.156	1.185	1.173	4.61
18)		Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.541	0.548	0.558	2.76
19)	P	n-Nitroso-di-n...	0.924	0.875	1.015	1.116	1.097	1.138	1.036	1.039	1.030	8.93
20)		3+4-Methylphenols			1.480	1.628	1.649	1.670	1.602	1.610	1.607	4.14
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.465	0.536	0.581	0.561	0.555	0.547	0.571	0.545	7.02
23)	S	Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.411	0.433	0.405	5.47
24)		Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.415	0.432	0.409	6.62
25)		Isophorone		0.723	0.760	0.796	0.767	0.785	0.777	0.784	0.770	3.13
26)	C	2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.197	0.206	0.184	13.12
27)		2,4-Dimethylph...		0.309	0.301	0.336	0.331	0.334	0.336	0.338	0.327	4.55
28)		bis(2-Chloroet...		0.383	0.419	0.444	0.425	0.432	0.423	0.435	0.423	4.63
29)	C	2,4-Dichloroph...		0.283	0.331	0.367	0.364	0.371	0.365	0.373	0.351	9.39
30)		1,2,4-Trichlor...		0.408	0.417	0.443	0.424	0.418	0.419	0.435	0.423	2.83
31)		Naphthalene		1.076	1.163	1.170	1.141	1.123	1.120	1.145	1.134	2.79
32)		Benzoic acid			0.135	0.166	0.204	0.221	0.255	0.248	0.205	22.85
33)		4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.466	0.479	0.454	9.61
34)	C	Hexachlorobuta...		0.365	0.353	0.370	0.366	0.358	0.357	0.374	0.363	2.14
35)		Caprolactam			0.090	0.104	0.103	0.114	0.107	0.111	0.105	8.03
36)	C	4-Chloro-3-met...		0.348	0.388	0.399	0.390	0.402	0.402	0.404	0.390	5.07
37)		2-Methylnaphth...		0.820	0.842	0.902	0.844	0.850	0.835	0.846	0.848	3.03
38)		1-Methylnaphth...		0.844	0.841	0.880	0.834	0.835	0.820	0.845	0.843	2.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.756	0.746	0.811	0.782	0.759	0.789	0.806	0.778	3.25
41)	P	Hexachlorocycl...		0.478	0.547	0.560	0.557	0.592	0.612	0.558	8.28
42)	S	2,4,6-Tribromo...	0.346	0.384	0.410	0.386	0.398	0.403	0.404	0.390	5.53
43)	C	2,4,6-Trichlor...	0.386	0.432	0.472	0.465	0.474	0.481	0.487	0.457	7.90
44)		2,4,5-Trichlor...	0.467	0.460	0.546	0.521	0.520	0.531	0.543	0.512	6.82
45)	S	2-Fluorobiphenyl	1.403	1.445	1.509	1.420	1.400	1.434	1.422	1.433	2.58
46)		1,1'-Biphenyl	1.416	1.417	1.498	1.428	1.405	1.441	1.449	1.436	2.17
47)		2-Chloronaphth...	1.124	1.112	1.167	1.120	1.116	1.138	1.146	1.132	1.74
48)		2-Nitroaniline	0.291	0.345	0.373	0.371	0.383	0.391	0.394	0.364	9.94
49)		Acenaphthylene	1.839	1.928	1.996	1.930	1.932	1.967	1.942	1.933	2.51
50)		Dimethylphthalate	1.535	1.569	1.654	1.549	1.580	1.592	1.581	1.580	2.42
51)		2,6-Dinitrotol...	0.265	0.281	0.313	0.305	0.317	0.322	0.325	0.304	7.36
52)	C	Acenaphthene	1.072	1.104	1.169	1.166	1.177	1.213	1.212	1.159	4.56
53)		3-Nitroaniline	0.247	0.277	0.301	0.306	0.320	0.326	0.323	0.300	9.57
54)	P	2,4-Dinitrophenol		0.060	0.114	0.169	0.189	0.198	0.221	0.158	38.04
55)		Dibenzofuran	1.897	1.991	1.994	1.867	1.892	1.889	1.885	1.916	2.75
56)	P	4-Nitrophenol		0.181	0.224	0.241	0.257	0.261	0.264	0.238	13.24
57)		2,4-Dinitrotol...	0.376	0.426	0.477	0.462	0.472	0.489	0.489	0.456	9.08
58)		Fluorene	1.481	1.569	1.595	1.471	1.462	1.475	1.469	1.503	3.65
59)		2,3,4,6-Tetrac...	0.418	0.480	0.521	0.501	0.536	0.543	0.539	0.506	8.85
60)		Diethylphthalate	1.443	1.521	1.585	1.492	1.532	1.520	1.501	1.513	2.84
61)		4-Chlorophenyl...	0.892	0.927	0.940	0.880	0.882	0.894	0.899	0.902	2.53
62)		4-Nitroaniline	0.245	0.288	0.318	0.320	0.335	0.335	0.334	0.311	10.71
63)		Azobenzene	1.244	1.292	1.309	1.235	1.250	1.255	1.227	1.259	2.40
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.099	0.117	0.121	0.126	0.131	0.111	19.44
66)	c	n-Nitrosodiphe...	0.483	0.531	0.544	0.538	0.519	0.528	0.524	0.524	3.79
67)		4-Bromophenyl-...	0.241	0.263	0.269	0.269	0.259	0.269	0.267	0.263	3.86
68)		Hexachlorobenzene	0.312	0.312	0.326	0.320	0.318	0.317	0.323	0.318	1.67
69)		Atrazine	0.245	0.251	0.257	0.253	0.254	0.253	0.256	0.253	1.53
70)	C	Pentachlorophenol		0.088	0.138	0.160	0.177	0.187	0.193	0.157	24.85
71)		Phenanthrene	1.075	1.118	1.123	1.099	1.081	1.090	1.074	1.094	1.84
72)		Anthracene	1.098	1.122	1.152	1.113	1.099	1.113	1.114	1.116	1.62
73)		Carbazole	0.926	0.987	0.982	0.971	0.944	0.955	0.950	0.959	2.27
74)		Di-n-butylphth...	0.998	1.107	1.105	1.077	1.076	1.070	1.059	1.070	3.41
75)	C	Fluoranthene	1.508	1.558	1.531	1.494	1.461	1.475	1.448	1.496	2.61
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.674	0.631	0.561	0.618	0.552	0.557	0.599	8.29
78)		Pyrene	1.076	1.089	1.145	1.111	1.164	1.136	1.125	1.121	2.78
79)	S	Terphenyl-d14	1.018	1.028	1.060	1.012	1.040	0.993	0.967	1.017	3.01
80)		Butylbenzylpht...	0.377	0.391	0.402	0.391	0.404	0.397	0.398	0.394	2.37
81)		Benzo(a)anthra...	1.338	1.371	1.395	1.379	1.357	1.334	1.346	1.360	1.66
82)		3,3'-Dichlorob...		0.501	0.518	0.517	0.507	0.479	0.481	0.501	3.35
83)		Chrysene	1.266	1.292	1.301	1.309	1.267	1.275	1.264	1.282	1.44
84)		Bis(2-ethylhex...	0.582	0.581	0.598	0.583	0.571	0.564	0.553	0.576	2.54
85)	c	Di-n-octyl pht...		0.993	1.026	1.038	0.983	0.974	0.962	0.996	2.99

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.262	1.324	1.388	1.399	1.404	1.404	1.438	1.374	4.38
88)		Benzo(b)fluora...	1.190	1.250	1.299	1.291	1.279	1.304	1.296	1.273	3.21
89)		Benzo(k)fluora...	1.245	1.296	1.321	1.249	1.279	1.256	1.305	1.279	2.32
90)	C	Benzo(a)pyrene	1.131	1.176	1.197	1.191	1.182	1.189	1.199	1.181	1.99
91)		Dibenzo(a,h)an...	1.026	1.092	1.128	1.151	1.155	1.147	1.180	1.126	4.60
92)		Benzo(g,h,i)pe...	1.000	1.044	1.091	1.105	1.108	1.104	1.131	1.083	4.19

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064745.D
Acq On : 12 Nov 2025 11:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 12 16:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	30283	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	120993	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	104200	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	264137	20.000	ng	0.00
76) Chrysene-d12	21.754	240	384466	20.000	ng	0.00
86) Perylene-d12	25.021	264	379930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.963	70	3497	2.242	ng	# 86

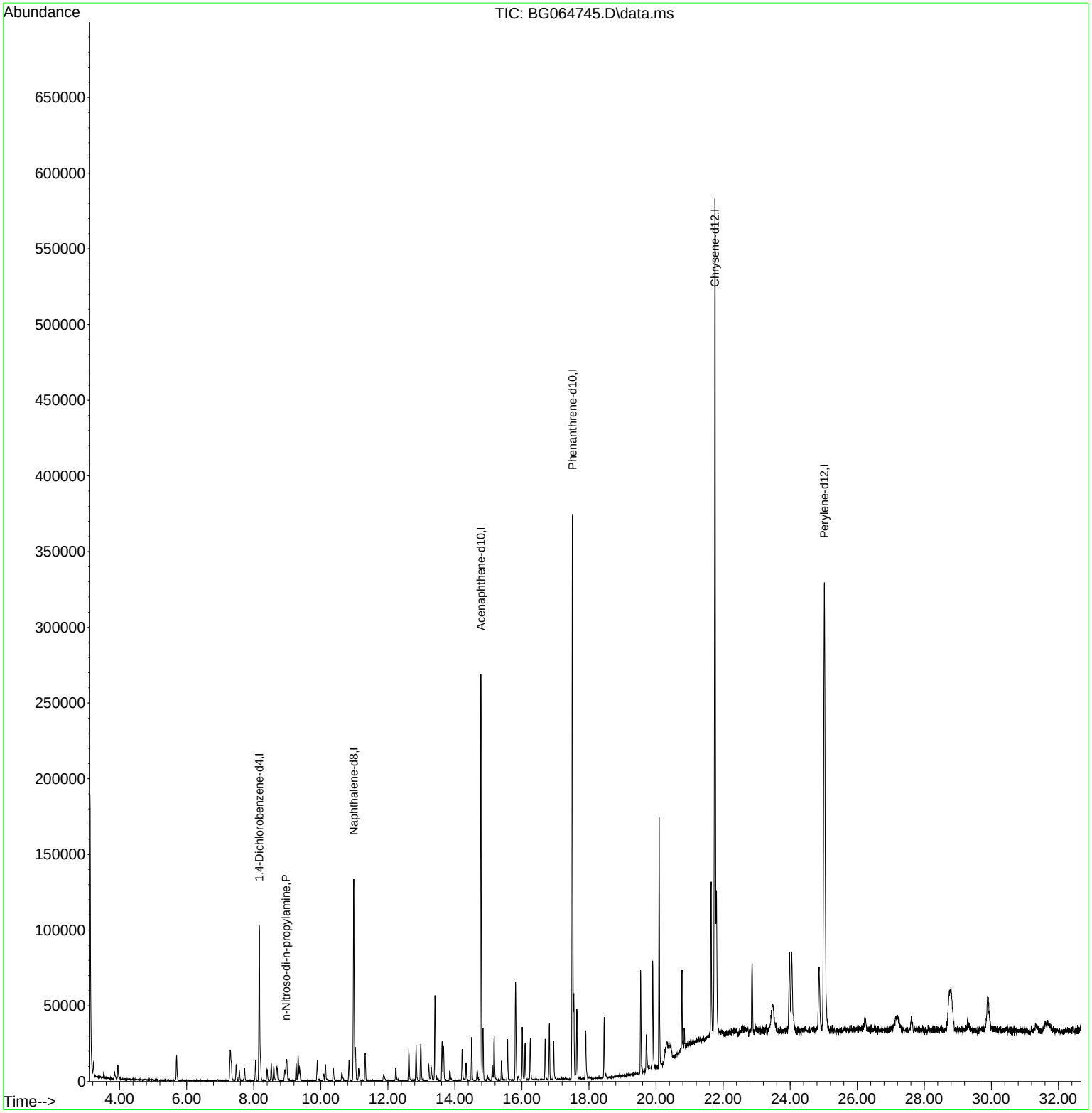
(#) = qualifier out of range (m) = manual integration (+) = signals summed

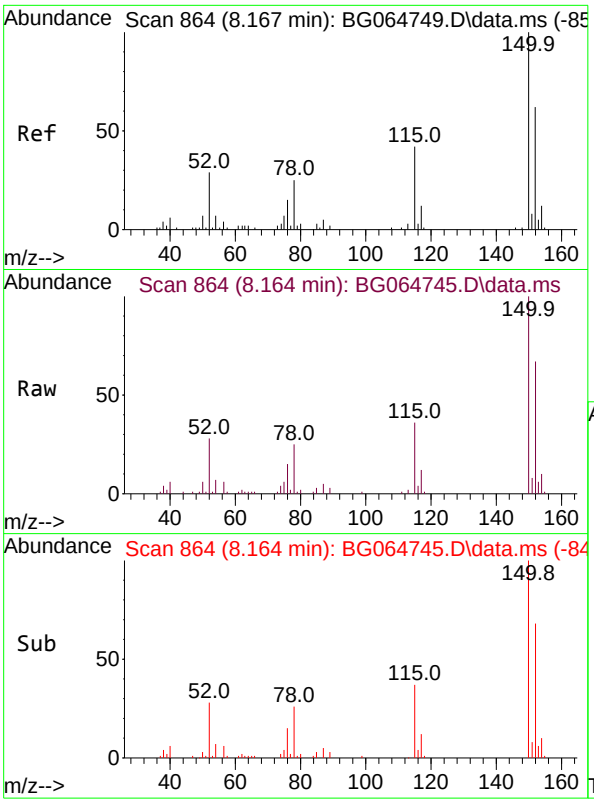
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064745.D
Acq On : 12 Nov 2025 11:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 12 16:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration



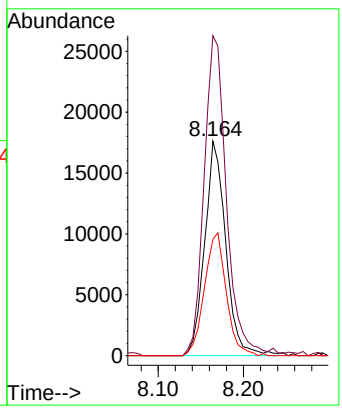


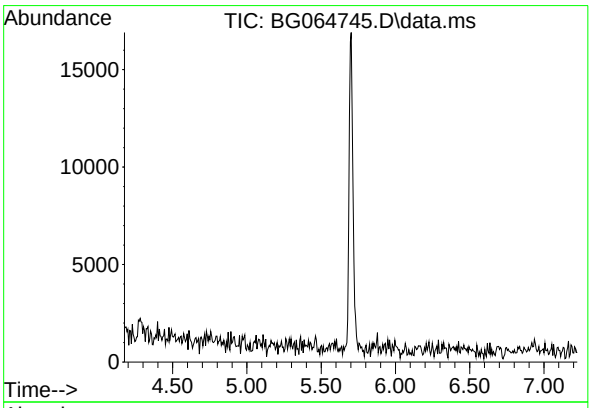
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 30283

Ion	Ratio	Lower	Upper
152	100		
150	149.3	129.2	193.8
115	54.3	53.7	80.5



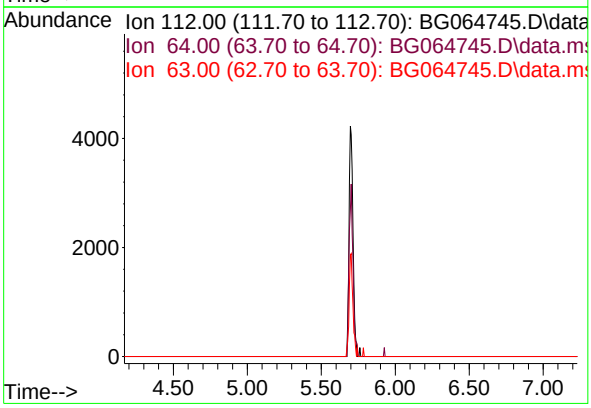


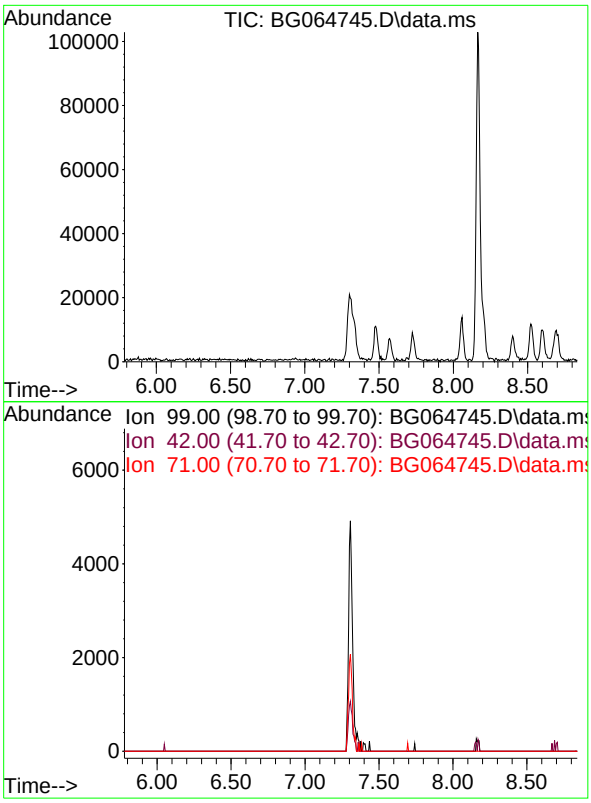
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.70 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	76.2
63	41.6





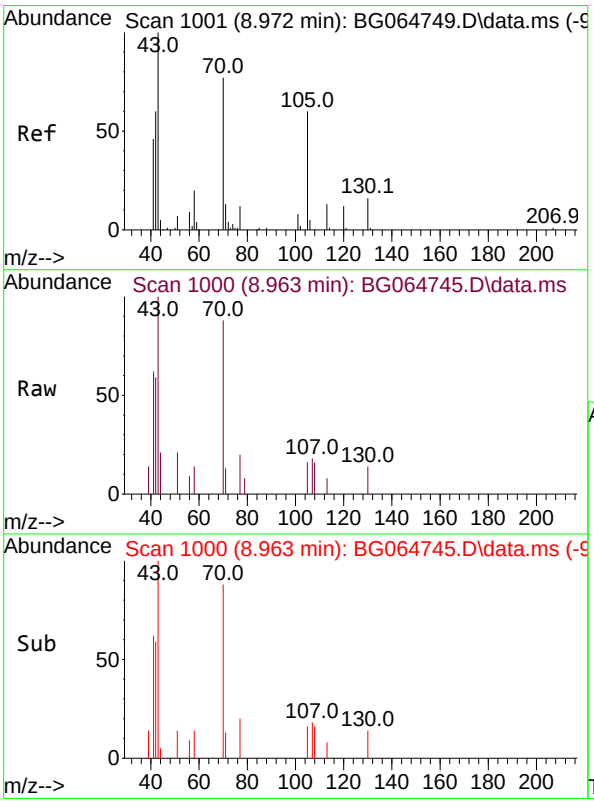
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.31 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

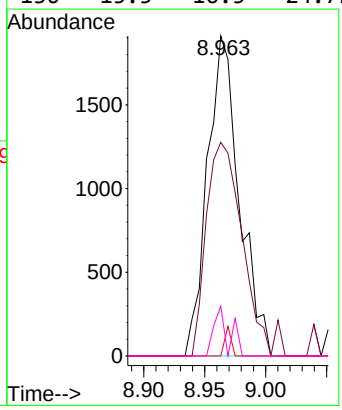
Sig	Exp Ratio
99	100
42	21.0
71	38.9

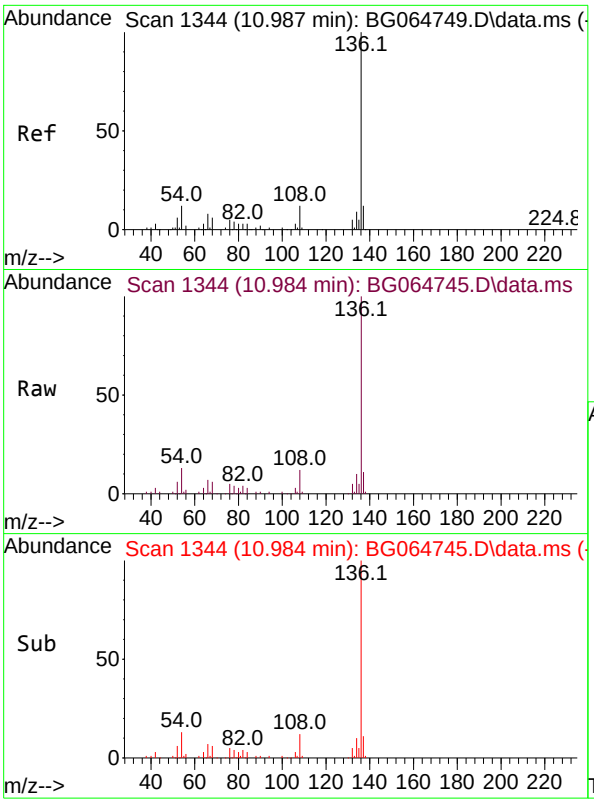


#19
n-Nitroso-di-n-propylamine
Concen: 2.242 ng
RT: 8.963 min Scan# 1000
Delta R.T. -0.009 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 70 Resp: 3497

Ion	Ratio	Lower	Upper
70	100		
42	66.7	62.6	93.8
101	0.0	8.0	12.0#
130	15.5	16.5	24.7#



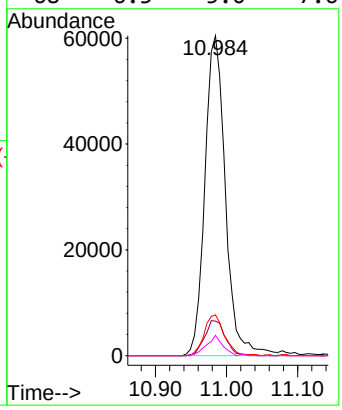


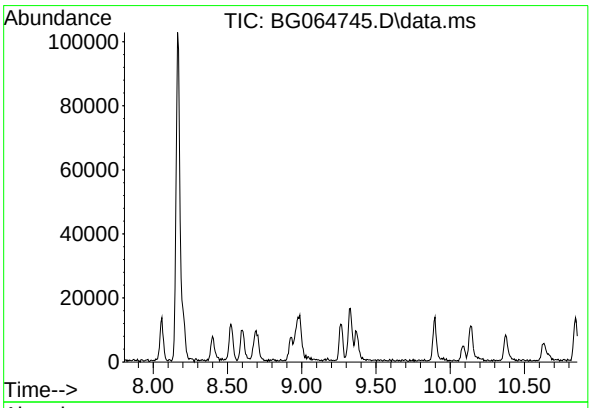
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 120993

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.7	9.3	13.9
68	6.3	5.0	7.6



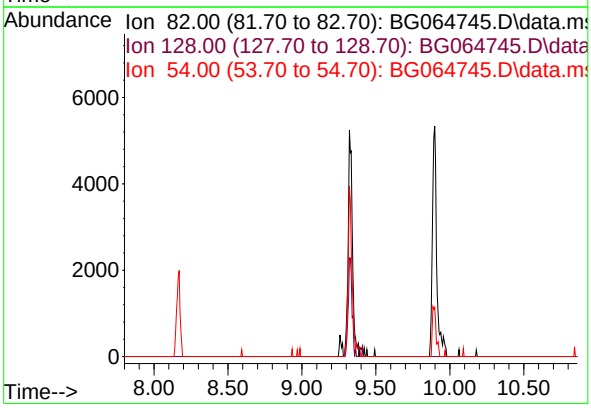


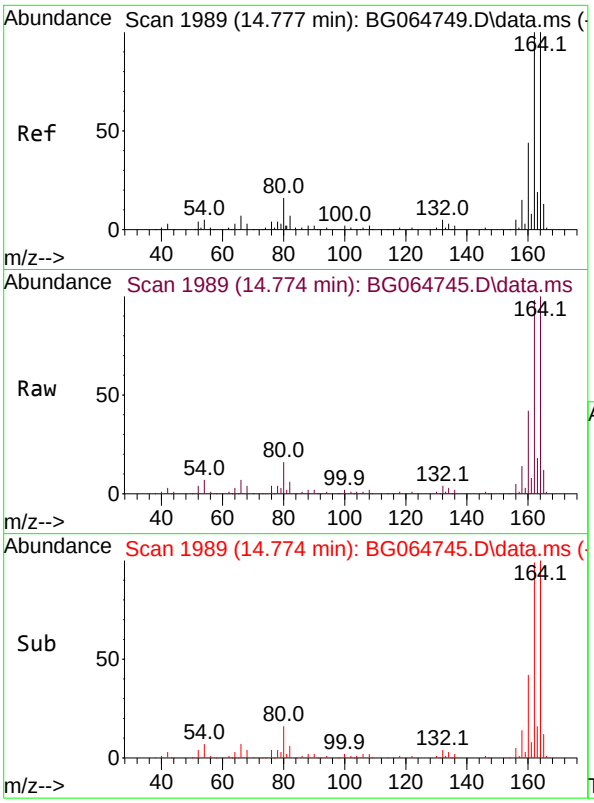
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.33 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.6
54	67.9



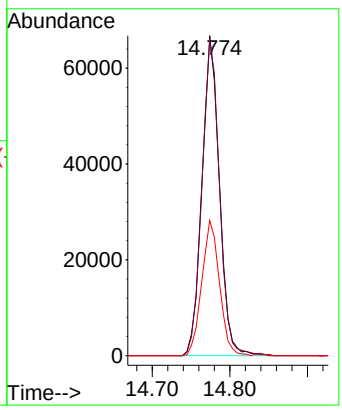


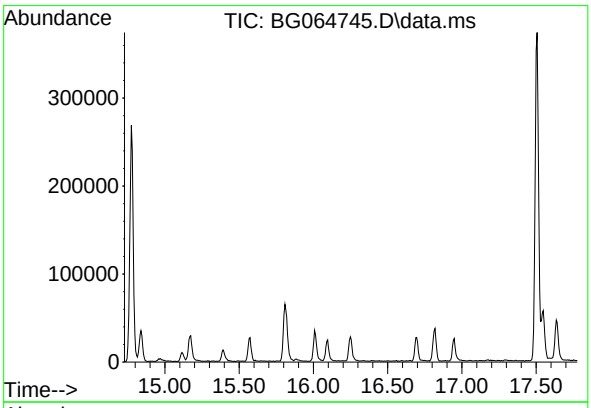
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 104200

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.8	119.6
160	42.2	34.9	52.3



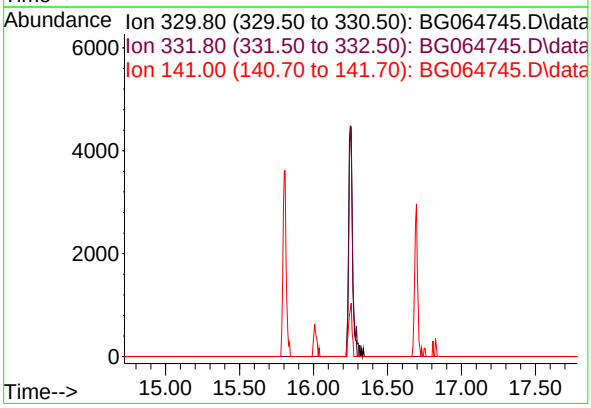


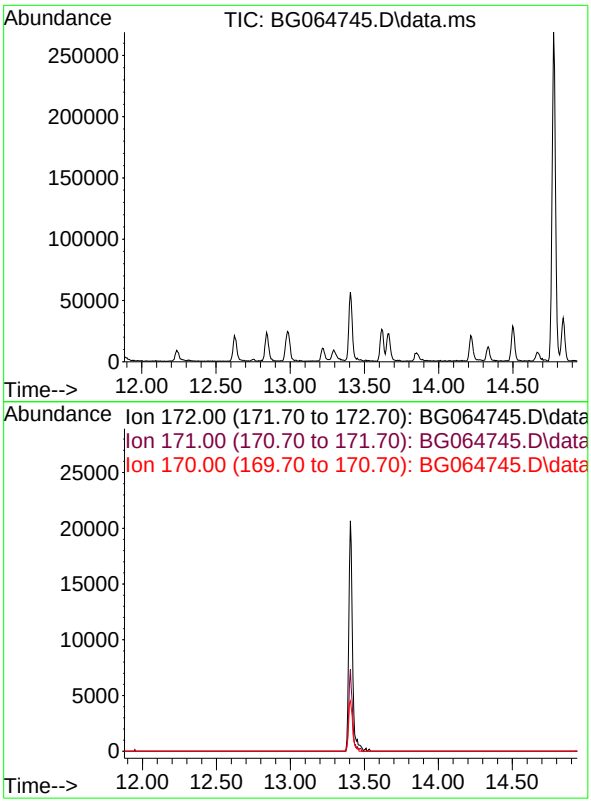
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.25 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	22.7





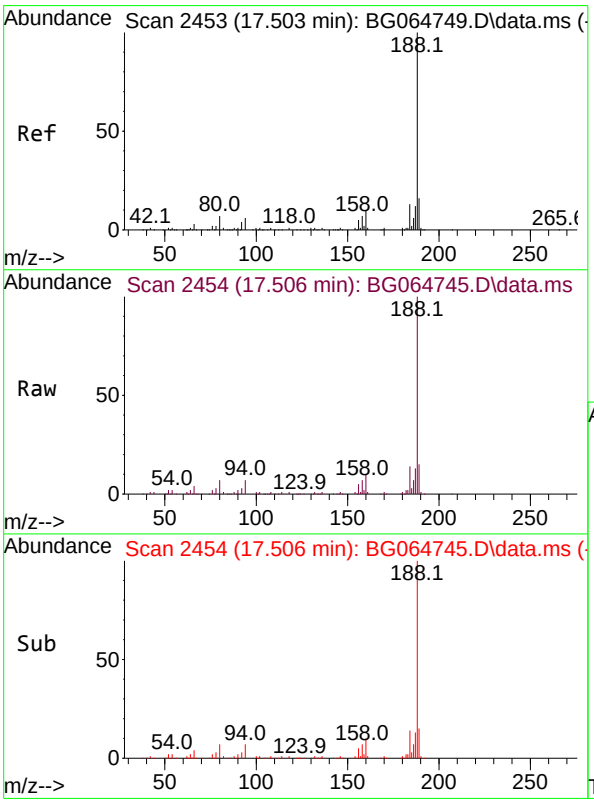
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.41 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

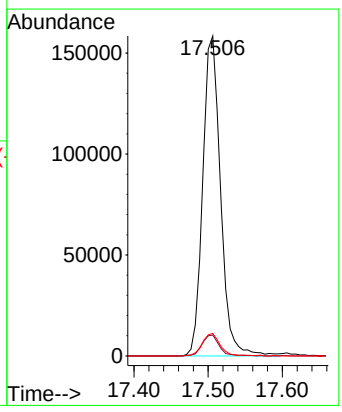
Sig	Exp Ratio
172	100
171	37.4
170	24.7

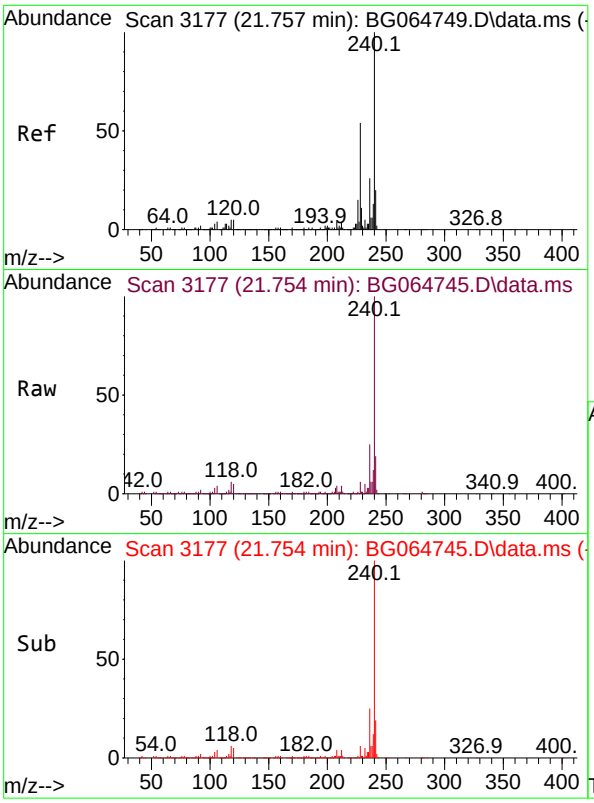


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion:188 Resp: 264137

Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.7	7.1
80	7.0	5.4	8.2



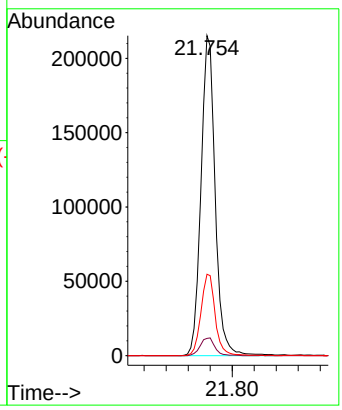


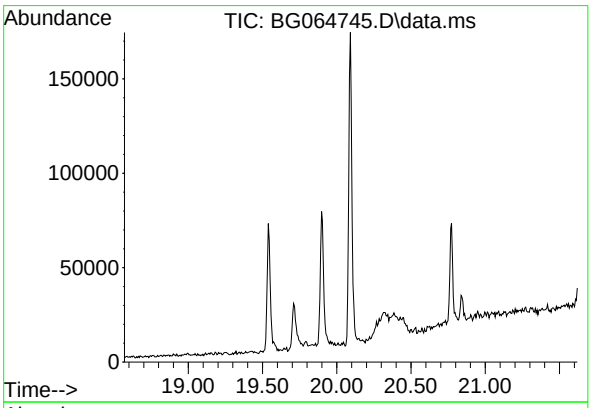
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 384466

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.2	6.4
236	25.4	20.8	31.2



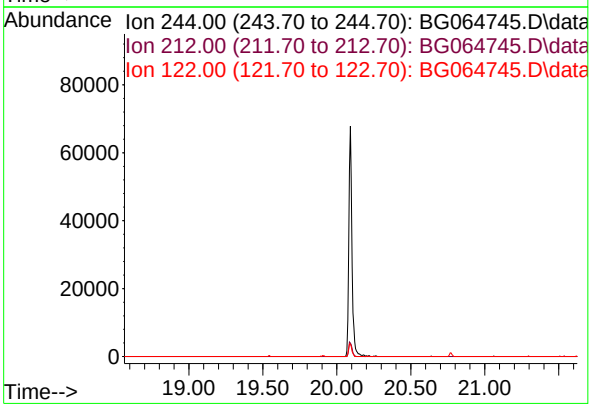


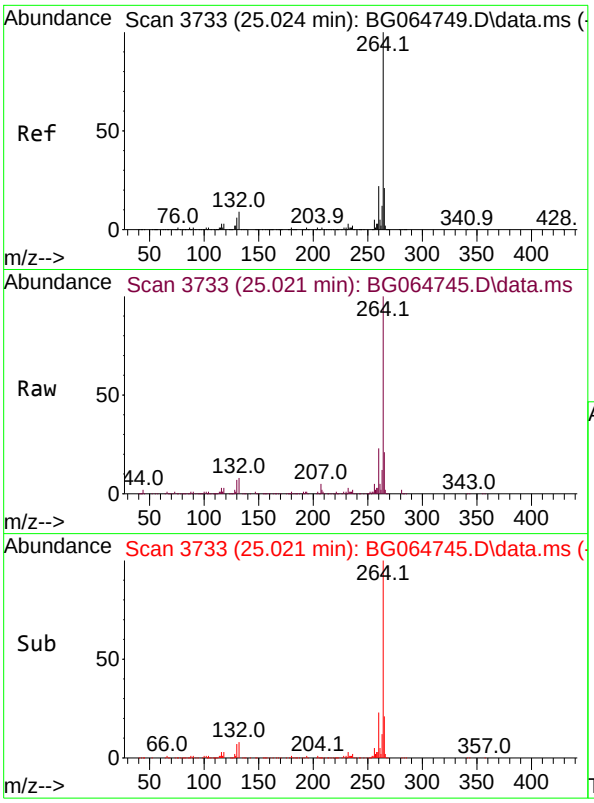
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.09 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	5.4



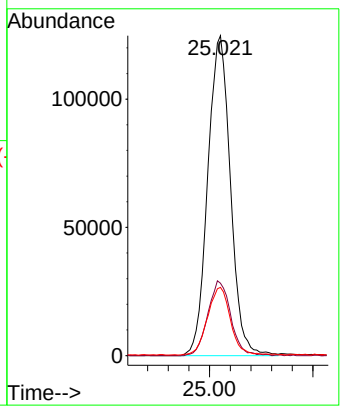


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 379930

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.2	25.8
265	21.3	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.169	152	28610	20.000	ng		0.00
21) Naphthalene-d8	10.984	136	112954	20.000	ng		0.00
39) Acenaphthene-d10	14.779	164	92156	20.000	ng		0.00
64) Phenanthrene-d10	17.505	188	243880	20.000	ng		0.00
76) Chrysene-d12	21.753	240	367769	20.000	ng		0.00
86) Perylene-d12	25.020	264	386937	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	15503	9.462	ng		0.00
7) Phenol-d6	7.306	99	19854	9.111	ng		0.00
23) Nitrobenzene-d5	9.327	82	20950	9.170	ng		0.00
42) 2,4,6-Tribromophenol	16.248	330	15951	8.875	ng		0.00
45) 2-Fluorobiphenyl	13.404	172	64649	9.789	ng		0.00
79) Terphenyl-d14	20.091	244	187118	10.008	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	3153	4.971	ng		88
3) Pyridine	3.951	79	9078	4.803	ng		93
6) Aniline	7.476	93	12750	4.390	ng		96
8) 2-Chlorophenol	7.723	128	8639	4.802	ng		96
10) Phenol	7.335	94	10737	4.529	ng		95
11) bis(2-Chloroethyl)ether	7.570	93	7820	4.635	ng		94
12) 1,3-Dichlorobenzene	8.052	146	10085m	4.872	ng		
13) 1,4-Dichlorobenzene	8.205	146	10257	4.866	ng		93
14) 1,2-Dichlorobenzene	8.522	146	10131	4.957	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.698	45	19405	4.859	ng		95
17) 2-Methylphenol	8.604	107	7665	4.569	ng		86
18) Hexachloroethane	9.262	117	4175	5.229	ng		87
19) n-Nitroso-di-n-propyla...	8.968	70	6258	4.247	ng	#	89
22) Acetophenone	8.992	105	13123	4.264	ng	#	95
24) Nitrobenzene	9.368	77	9979	4.323	ng		95
25) Isophorone	9.897	82	20406	4.691	ng		98
26) 2-Nitrophenol	10.091	139	3766	3.627	ng		92
27) 2,4-Dimethylphenol	10.138	122	8732	4.734	ng	#	88
28) bis(2-Chloroethoxy)met...	10.378	93	10809	4.526	ng		100
29) 2,4-Dichlorophenol	10.631	162	7998	4.039	ng		94
30) 1,2,4-Trichlorobenzene	10.849	180	11516	4.816	ng	#	77
31) Naphthalene	11.037	128	30376	4.744	ng		99
33) 4-Chloroaniline	11.136	127	10074	3.933	ng		95
34) Hexachlorobutadiene	11.324	225	10318	5.029	ng		98
36) 4-Chloro-3-methylphenol	12.235	107	9819	4.455	ng	#	94
37) 2-Methylnaphthalene	12.629	142	23148m	4.831	ng		
38) 1-Methylnaphthalene	12.840	142	23834m	5.007	ng		
40) 1,2,4,5-Tetrachloroben...	12.987	216	17425	4.859	ng		99
43) 2,4,6-Trichlorophenol	13.216	196	8887	4.222	ng		93
44) 2,4,5-Trichlorophenol	13.299	196	10762	4.559	ng		86
46) 1,1'-Biphenyl	13.616	154	32631	4.930	ng		93
47) 2-Chloronaphthalene	13.663	162	25885	4.964	ng		97
48) 2-Nitroaniline	13.851	65	6700	3.995	ng		94
49) Acenaphthylene	14.503	152	42371	4.756	ng		97
50) Dimethylphthalate	14.221	163	35365	4.858	ng		98
51) 2,6-Dinitrotoluene	14.339	165	6116	4.366	ng	#	88

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.838	154	24706	4.625	ng		97
53) 3-Nitroaniline	14.662	138	5697	4.121	ng		88
55) Dibenzofuran	15.173	168	43714	4.950	ng		93
57) 2,4-Dinitrotoluene	15.114	165	8655	4.121	ng	#	94
58) Fluorene	15.813	166	34116	4.926	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.390	232	9634	4.136	ng	#	93
60) Diethylphthalate	15.572	149	33242	4.767	ng		97
61) 4-Chlorophenyl-phenyle...	15.802	204	20557	4.946	ng		96
62) 4-Nitroaniline	15.813	138	5656	3.949	ng		93
63) Azobenzene	16.095	77	28653	4.940	ng		91
66) n-Nitrosodiphenylamine	16.007	169	29441	4.609	ng		90
67) 4-Bromophenyl-phenylether	16.695	248	14722	4.597	ng		88
68) Hexachlorobenzene	16.812	284	19015	4.900	ng	#	94
69) Atrazine	16.947	200	14933	4.849	ng		87
71) Phenanthrene	17.547	178	65553	4.913	ng		97
72) Anthracene	17.635	178	66926	4.919	ng		98
73) Carbazole	17.899	167	56453	4.826	ng		97
74) Di-n-butylphthalate	18.451	149	60823	4.661	ng		99
75) Fluoranthene	19.538	202	91935	5.039	ng		98
78) Pyrene	19.903	202	98904	4.798	ng		98
80) Butylbenzylphthalate	20.772	149	34617	4.775	ng		99
81) Benzo(a)anthracene	21.736	228	123005	4.919	ng		97
83) Chrysene	21.800	228	116400	4.937	ng		98
84) Bis(2-ethylhexyl)phtha...	21.636	149	53498	5.050	ng		100
87) Indeno(1,2,3-cd)pyrene	28.745	276	122095	4.593	ng	#	98
88) Benzo(b)fluoranthene	23.980	252	115075	4.673	ng		98
89) Benzo(k)fluoranthene	24.045	252	120411	4.867	ng		98
90) Benzo(a)pyrene	24.856	252	109366	4.788	ng		99
91) Dibenzo(a,h)anthracene	28.804	278	99211	4.556	ng		99
92) Benzo(g,h,i)perylene	29.897	276	96719	4.615	ng	#	95

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

ICAL Form

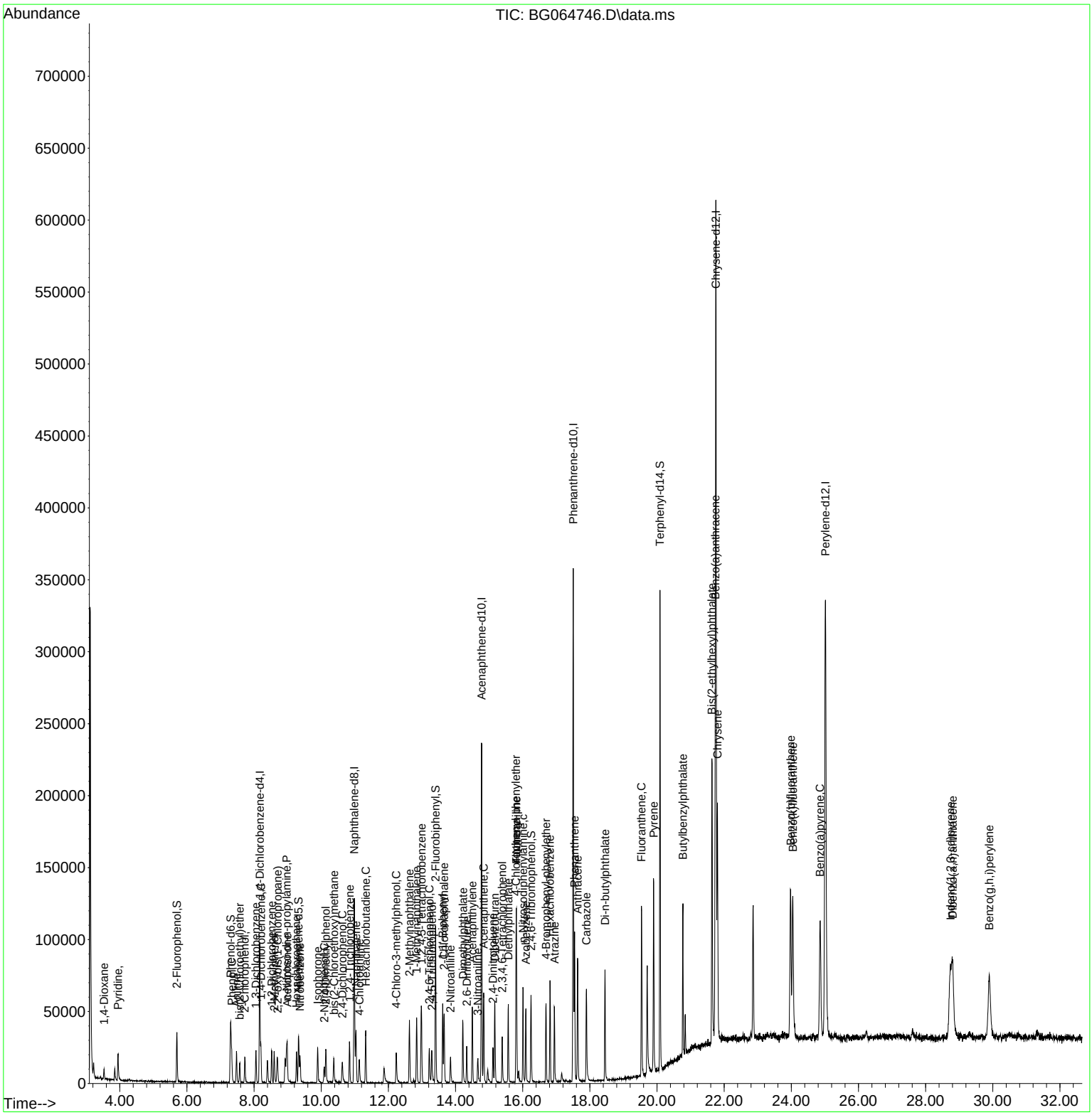
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

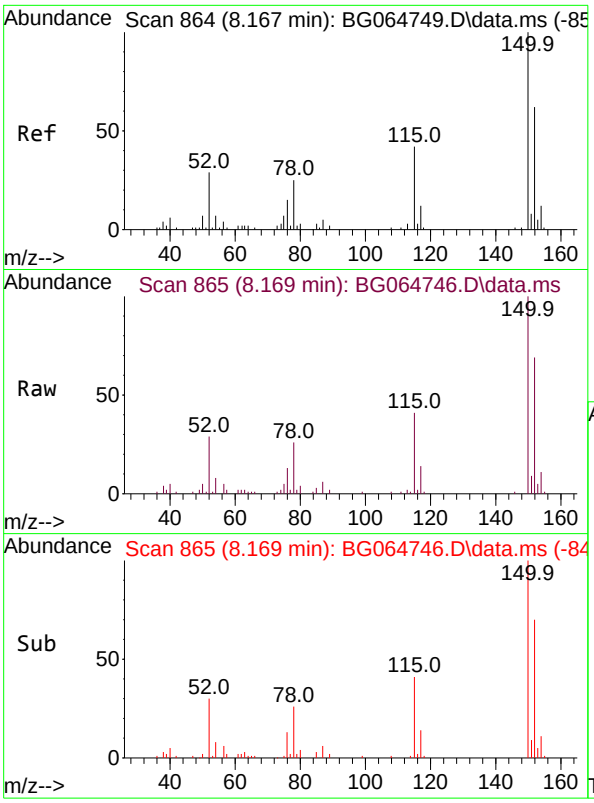
Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

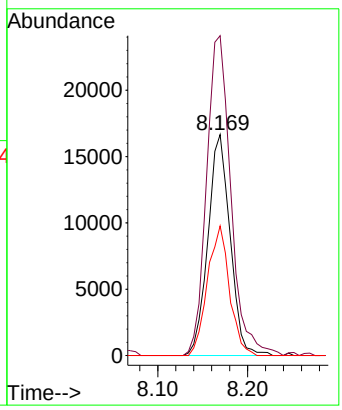




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:152 Resp: 2861

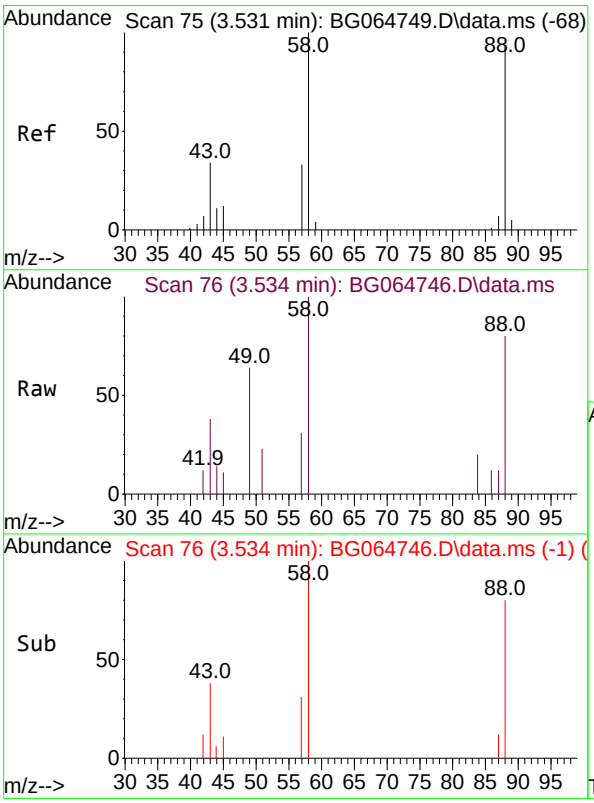
Ion	Ratio	Lower	Upper
152	100		
150	144.8	129.2	193.8
115	58.7	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

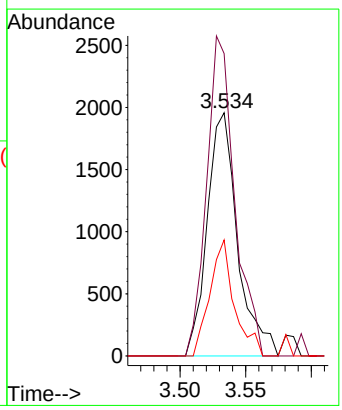
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

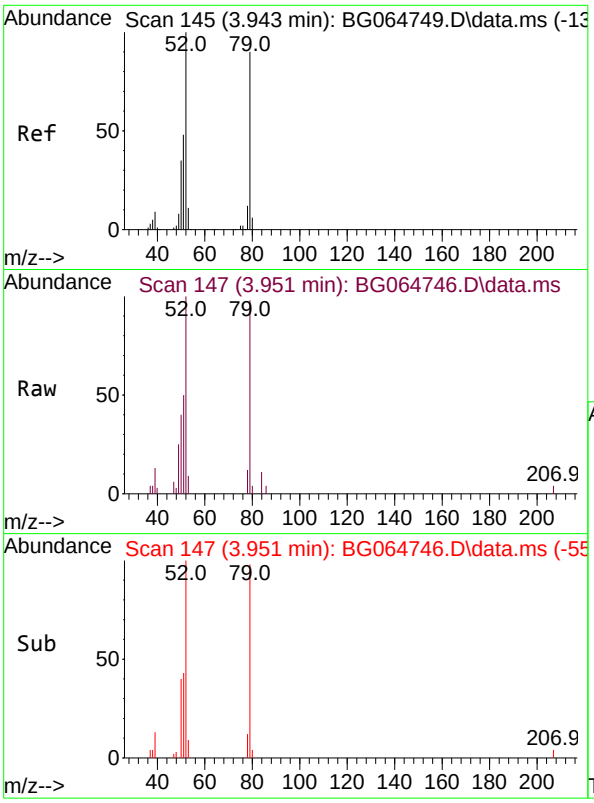


#2
1,4-Dioxane
Concen: 4.971 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 88 Resp: 3153

Ion	Ratio	Lower	Upper
88	100		
58	121.4	84.6	126.8
43	38.5	30.0	45.0





#3
Pyridine
Concen: 4.803 ng
RT: 3.951 min Scan# 14
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

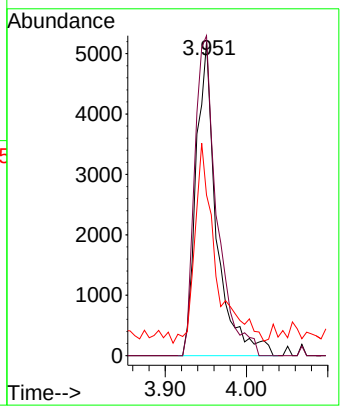
Tgt Ion: 79 Resp: 907

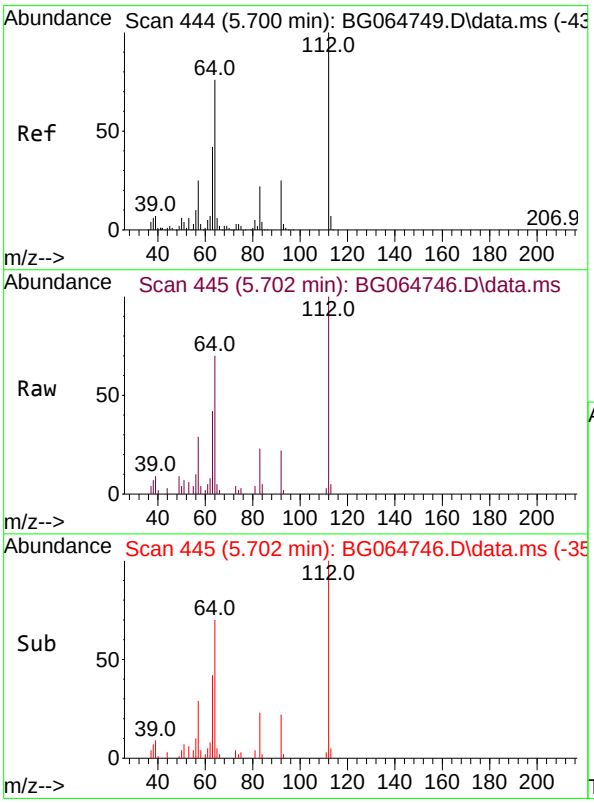
Ion	Ratio	Lower	Upper
79	100		
52	102.1	89.0	133.4
51	51.3	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

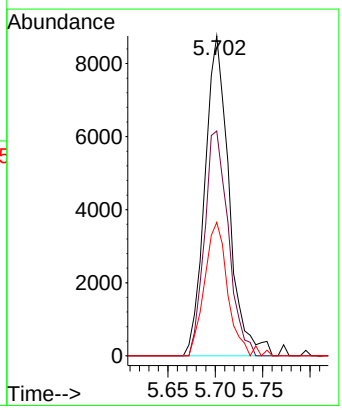


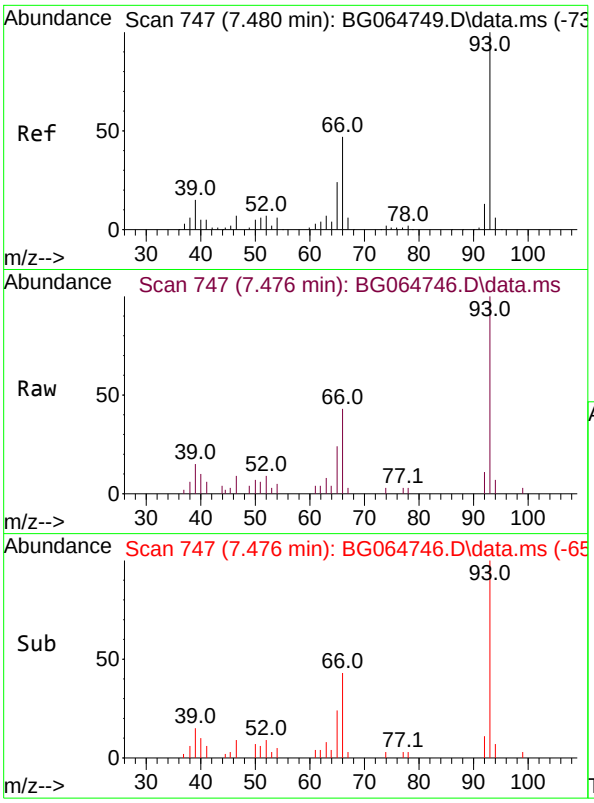


#5
2-Fluorophenol
Concen: 9.462 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:112 Resp: 15503

Ion	Ratio	Lower	Upper
112	100		
64	70.3	61.0	91.4
63	41.7	33.3	49.9

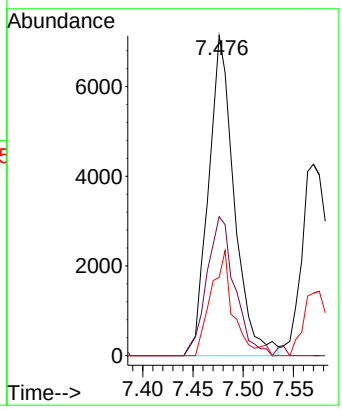




#6
Aniline
Concen: 4.390 ng
RT: 7.476 min Scan# 74
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 1275

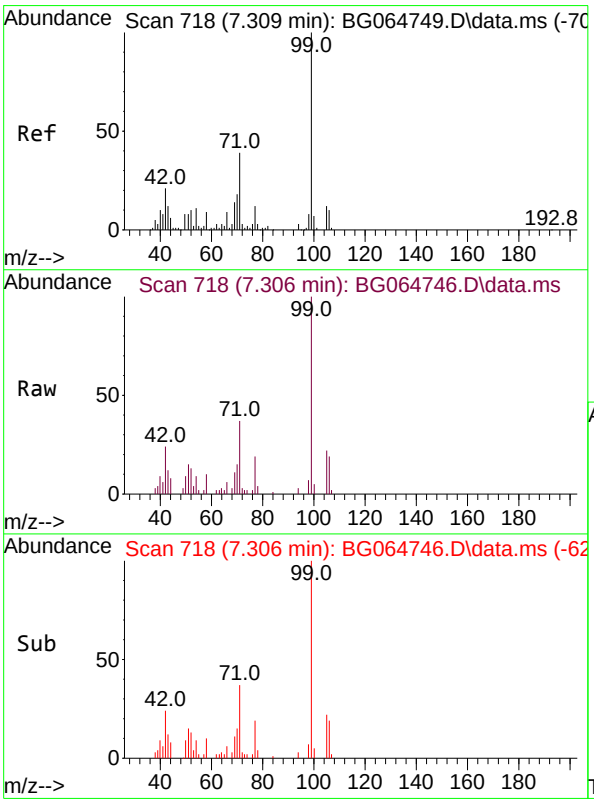
Ion	Ratio	Lower	Upper
93	100		
66	43.4	37.7	56.5
65	24.5	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

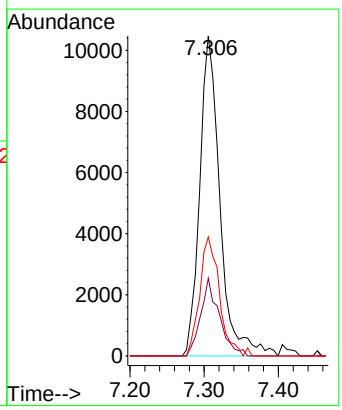
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

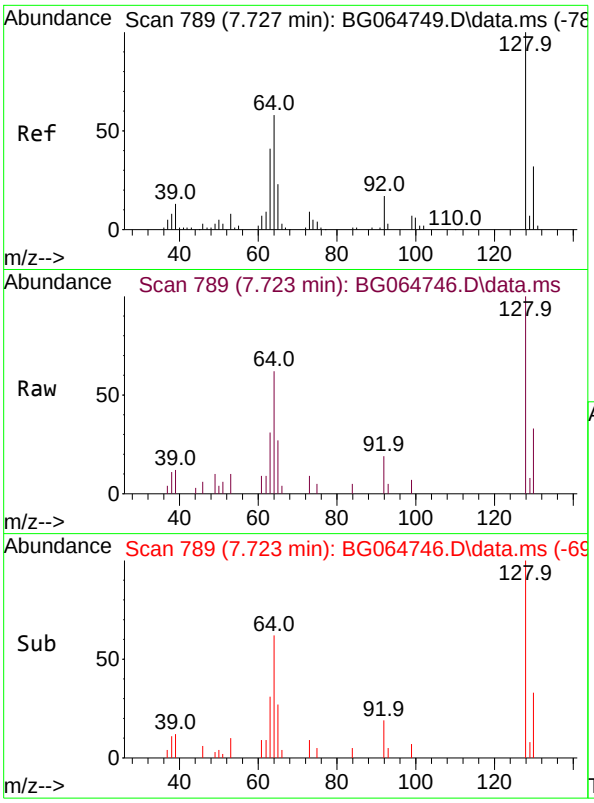


#7
Phenol-d6
Concen: 9.111 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 99 Resp: 19854

Ion	Ratio	Lower	Upper
99	100		
42	24.2	16.8	25.2
71	37.2	31.1	46.7

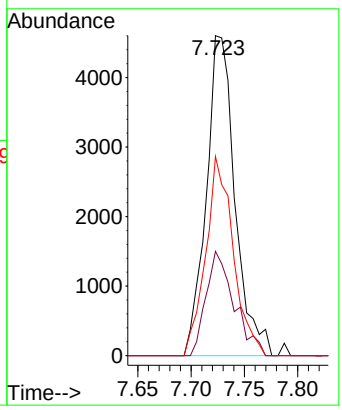




#8
2-Chlorophenol
Concen: 4.802 ng
RT: 7.723 min Scan# 78
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:128 Resp: 863

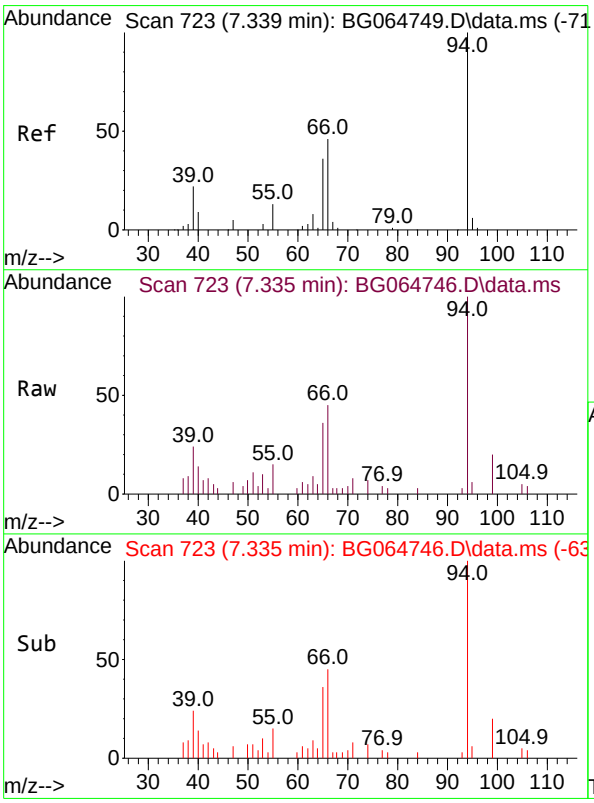
Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.9	51.9
64	62.2	38.4	78.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

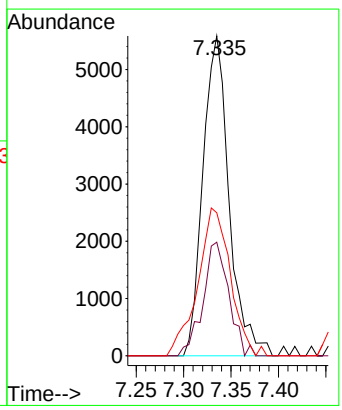
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

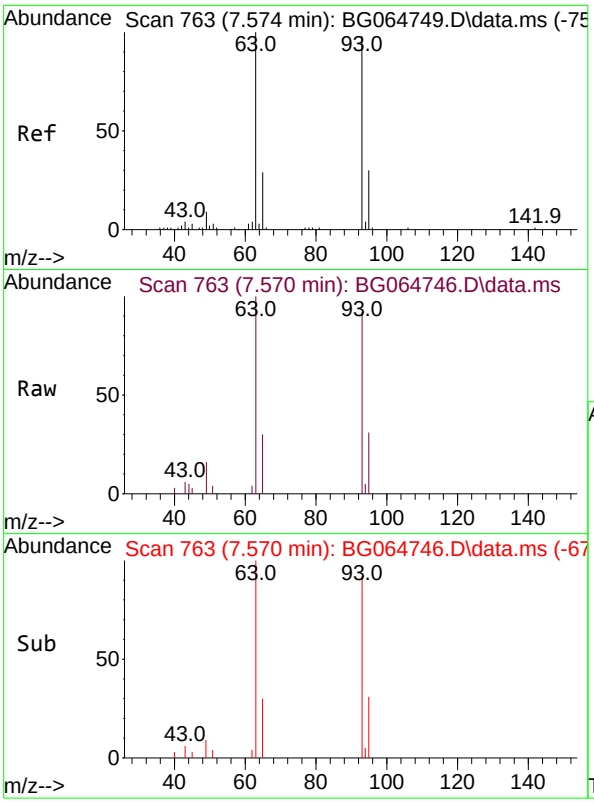


#10
Phenol
Concen: 4.529 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 94 Resp: 10737

Ion	Ratio	Lower	Upper
94	100		
65	35.5	17.0	57.0
66	44.7	29.8	69.8

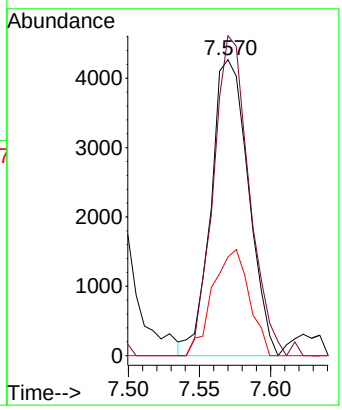




#11
bis(2-Chloroethyl)ether
Concen: 4.635 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 782

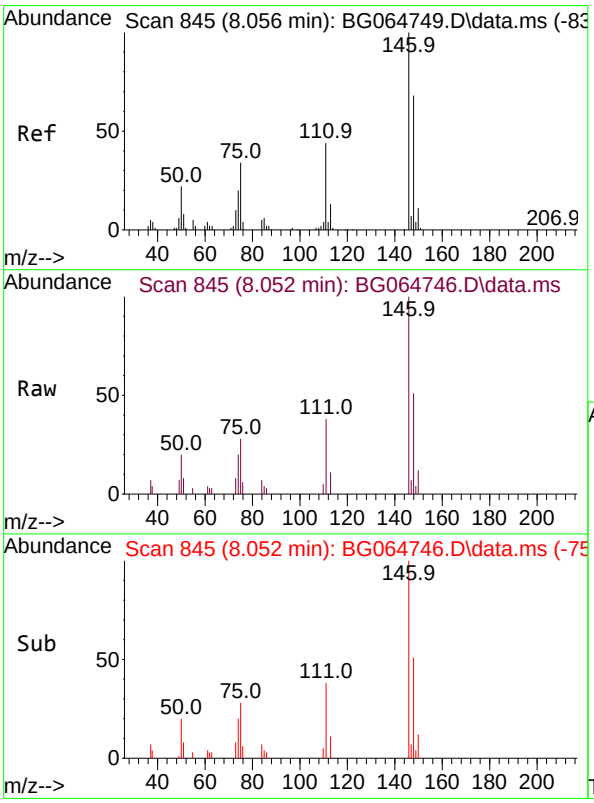
Ion	Ratio	Lower	Upper
93	100		
63	108.1	81.8	121.8
95	33.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

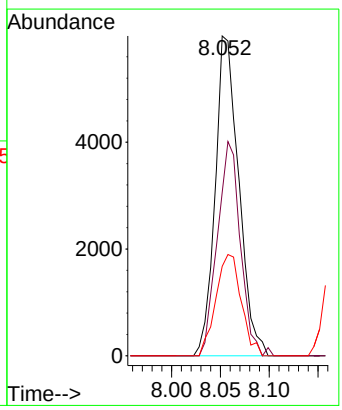
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

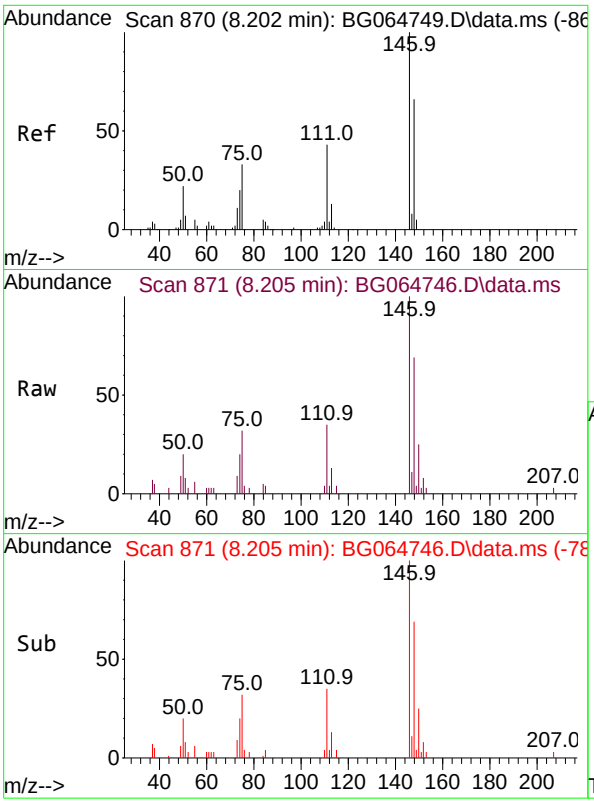


#12
1,3-Dichlorobenzene
Concen: 4.872 ng m
RT: 8.052 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 10085

Ion	Ratio	Lower	Upper
146	100		
148	51.1	54.6	82.0#
75	28.0	27.6	41.4

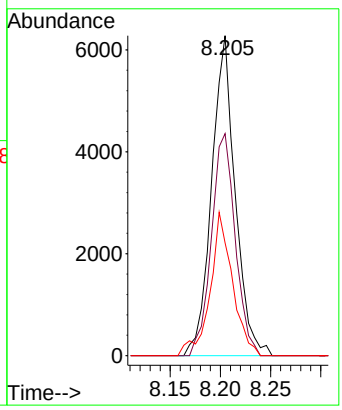




#13
1,4-Dichlorobenzene
Concen: 4.866 ng
RT: 8.205 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 1025

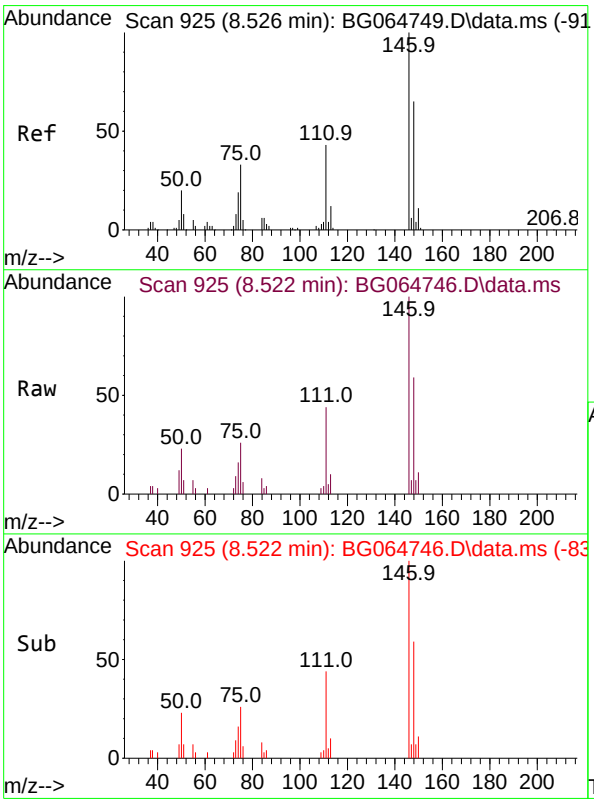
Ion	Ratio	Lower	Upper
146	100		
148	69.4	53.1	79.7
111	35.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

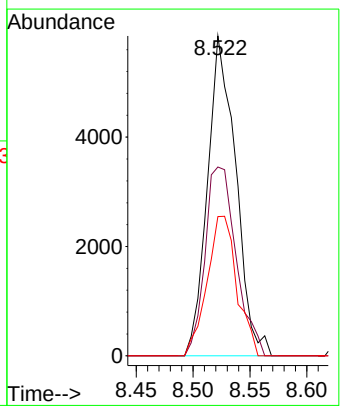
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

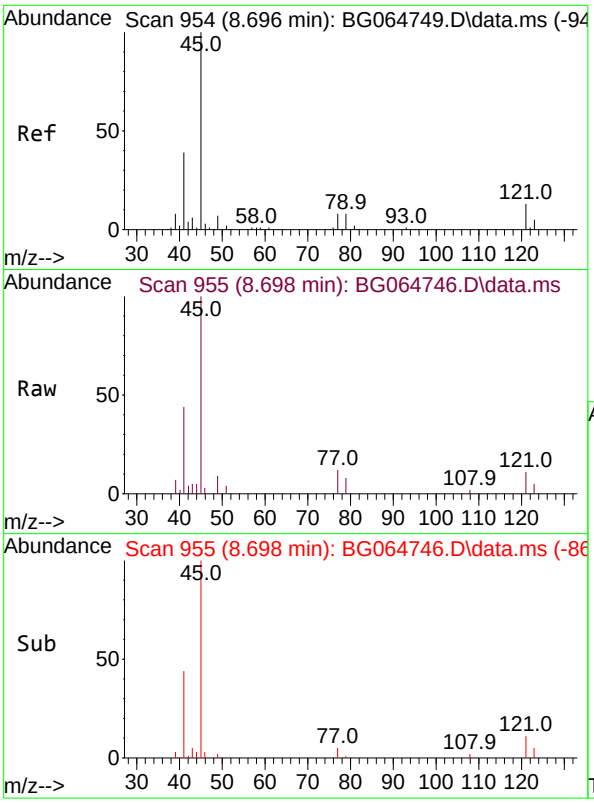


#14
1,2-Dichlorobenzene
Concen: 4.957 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 10131

Ion	Ratio	Lower	Upper
146	100		
148	59.0	52.0	78.0
111	43.5	34.7	52.1

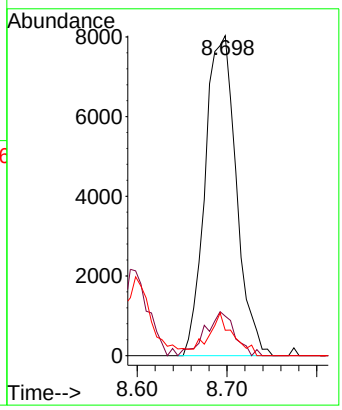




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.859 ng
RT: 8.698 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 45 Resp: 1940

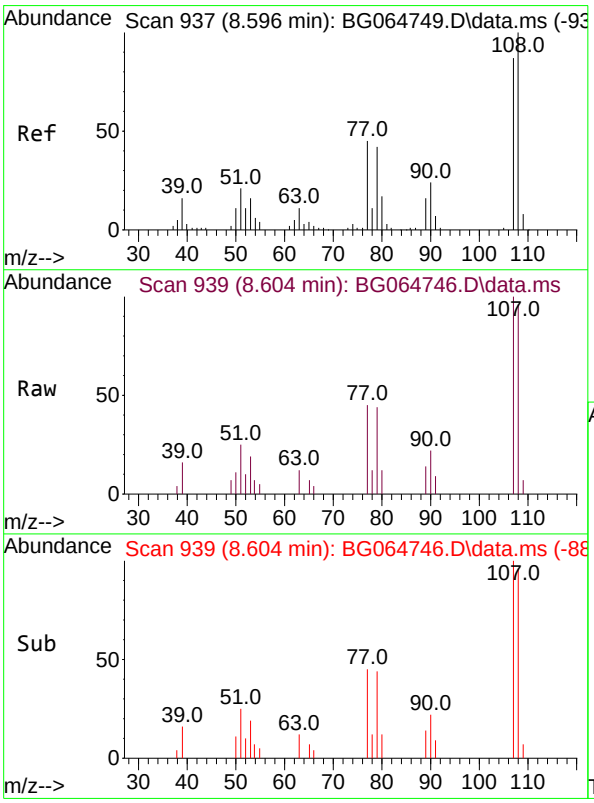
Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	28.8
79	7.9	0.0	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

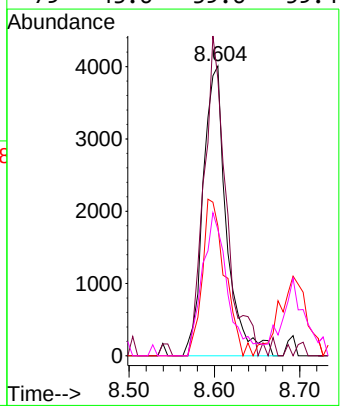
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

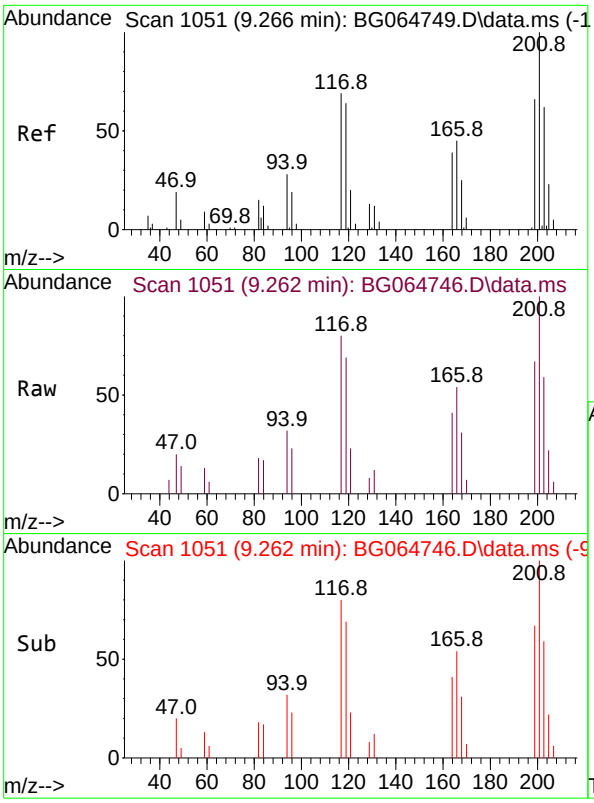


#17
2-Methylphenol
Concen: 4.569 ng
RT: 8.604 min Scan# 939
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:107 Resp: 7665

Ion	Ratio	Lower	Upper
107	100		
108	95.6	92.6	138.8
77	44.8	41.2	61.8
79	43.6	39.6	59.4

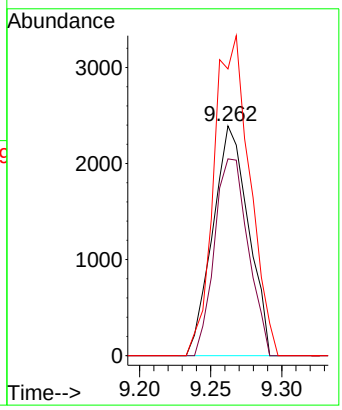




#18
Hexachloroethane
Concen: 5.229 ng
RT: 9.262 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:117 Resp: 417

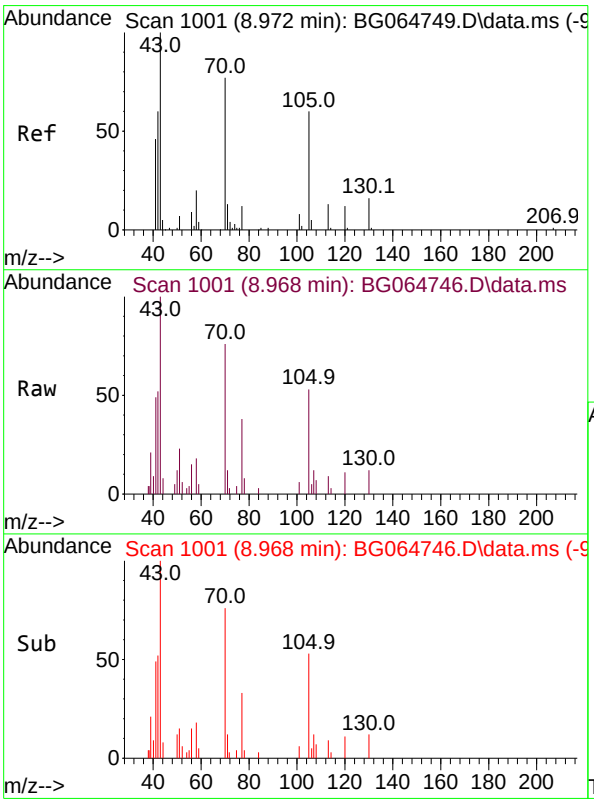
Ion	Ratio	Lower	Upper
117	100		
119	85.7	74.4	111.6
201	124.8	116.5	174.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

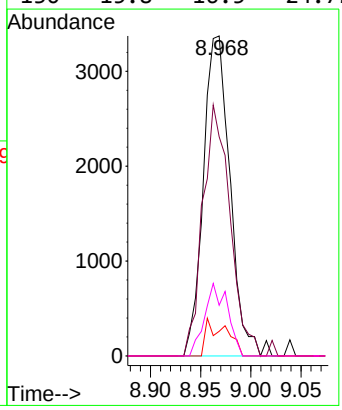
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

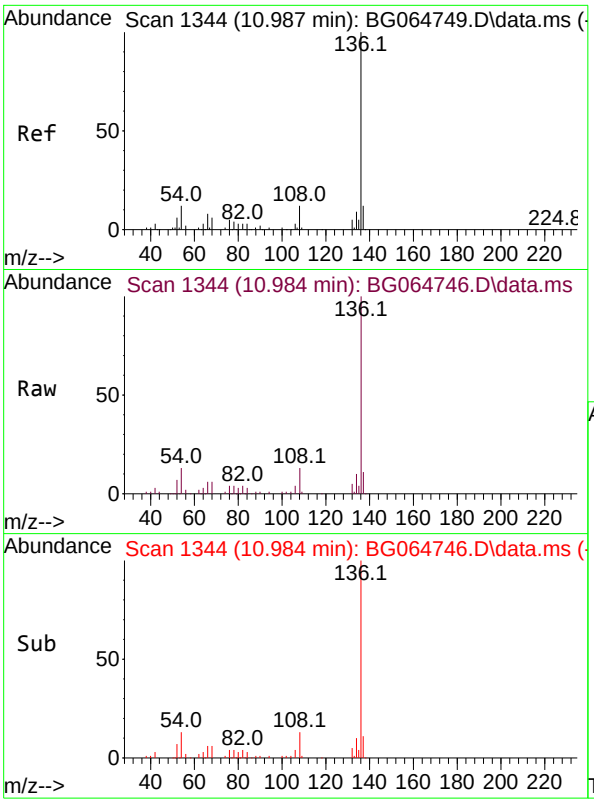


#19
n-Nitroso-di-n-propylamine
Concen: 4.247 ng
RT: 8.968 min Scan# 1001
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 70 Resp: 6258

Ion	Ratio	Lower	Upper
70	100		
42	68.5	62.6	93.8
101	7.7	8.0	12.0#
130	15.8	16.5	24.7#

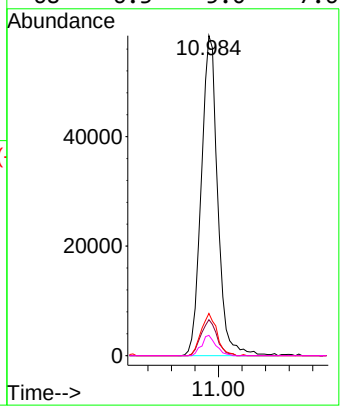




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:136 Resp: 11295

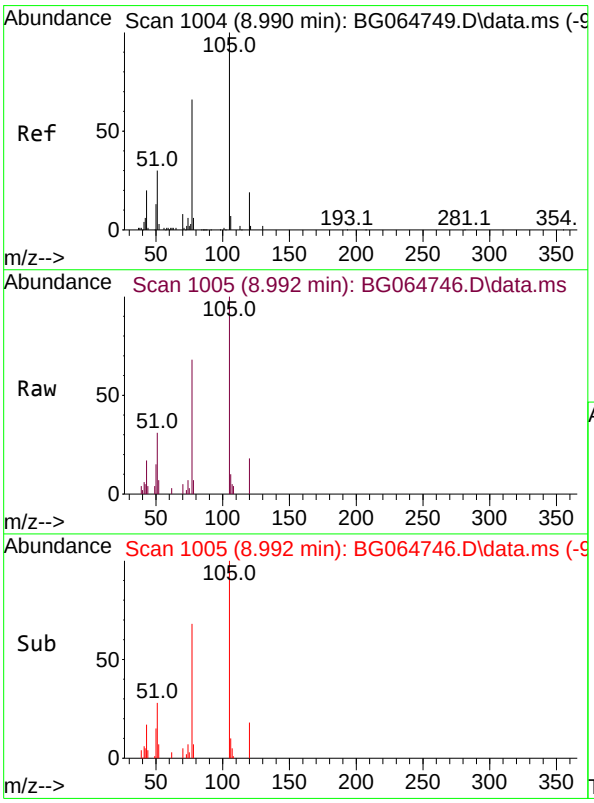
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	13.2	9.3	13.9
68	6.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

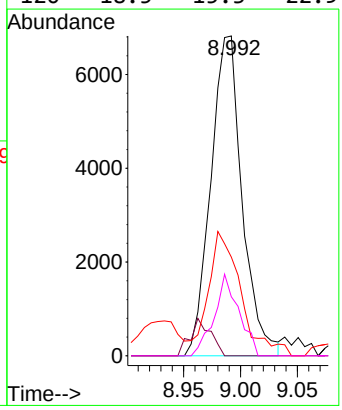
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

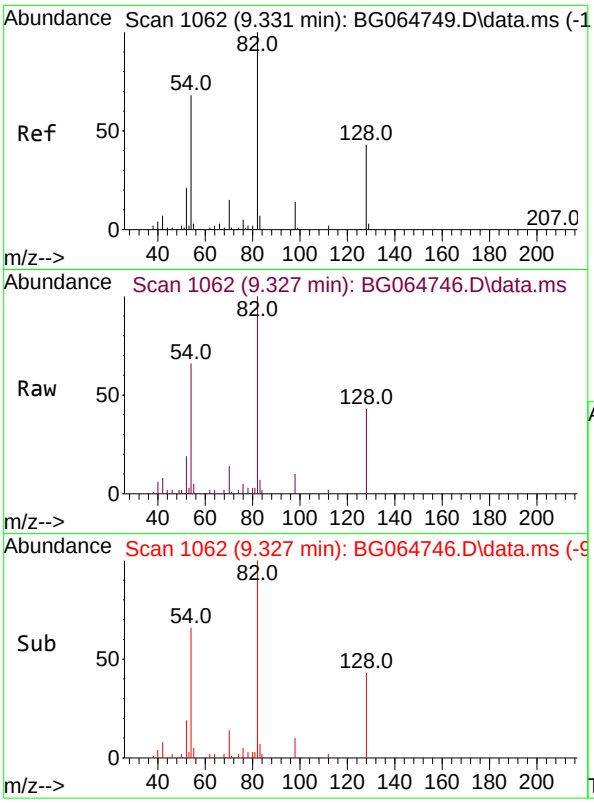


#22
Acetophenone
Concen: 4.264 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:105 Resp: 13123

Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.3	1.9#
51	30.9	27.9	41.9
120	18.5	15.3	22.9

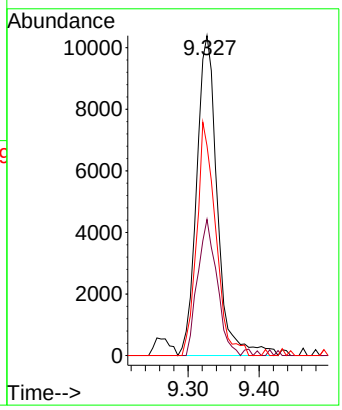




#23
Nitrobenzene-d5
Concen: 9.170 ng
RT: 9.327 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 82 Resp: 2095

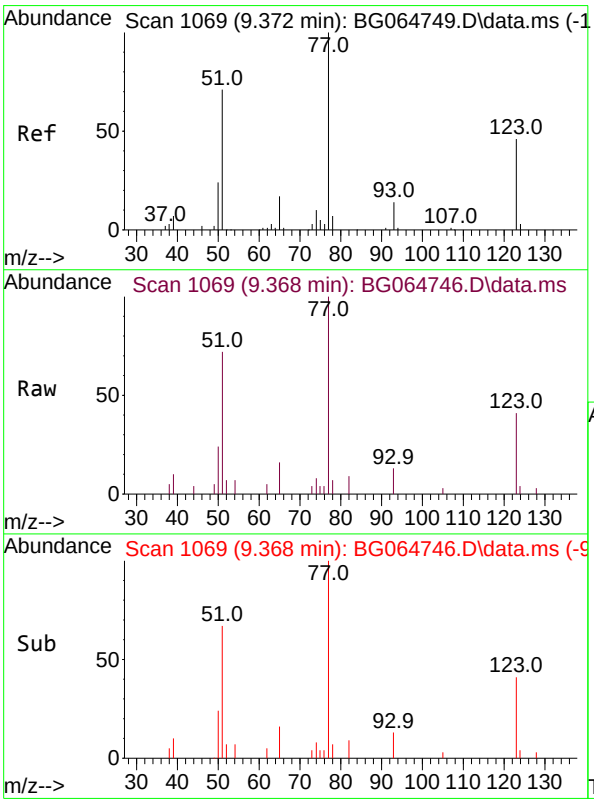
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	65.6	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

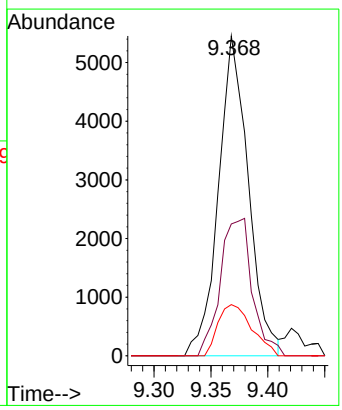
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

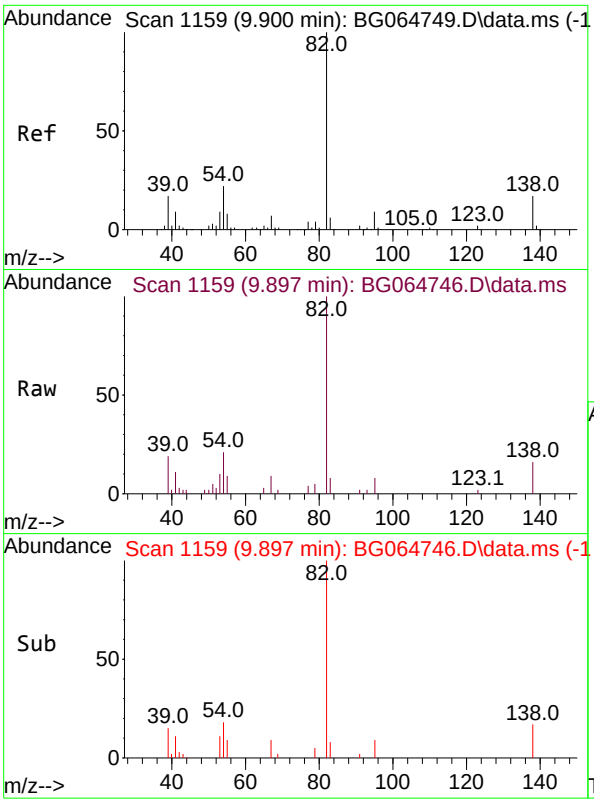


#24
Nitrobenzene
Concen: 4.323 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 77 Resp: 9979

Ion	Ratio	Lower	Upper
77	100		
123	41.2	36.5	54.7
65	16.0	13.5	20.3

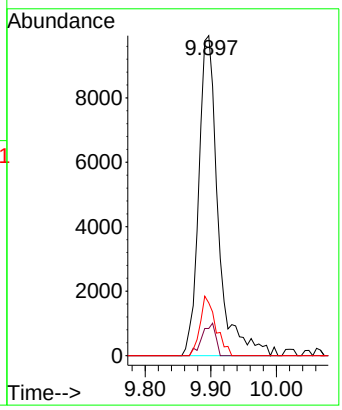




#25
Isophorone
Concen: 4.691 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 82 Resp: 2040

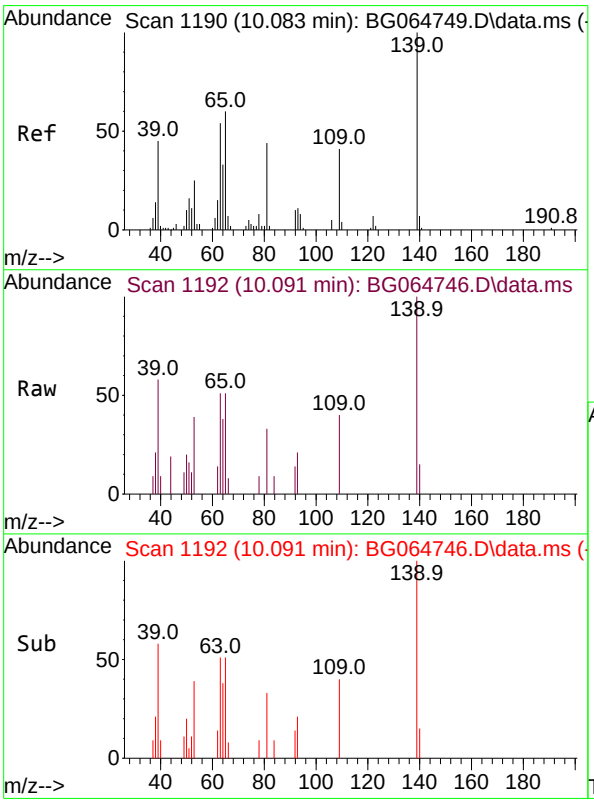
Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.9	10.3
138	16.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

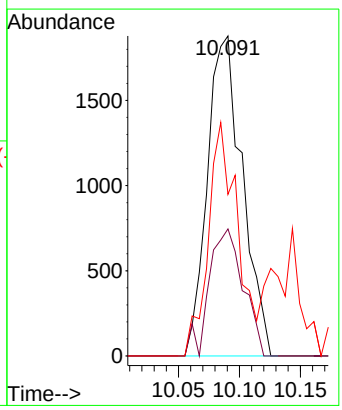
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

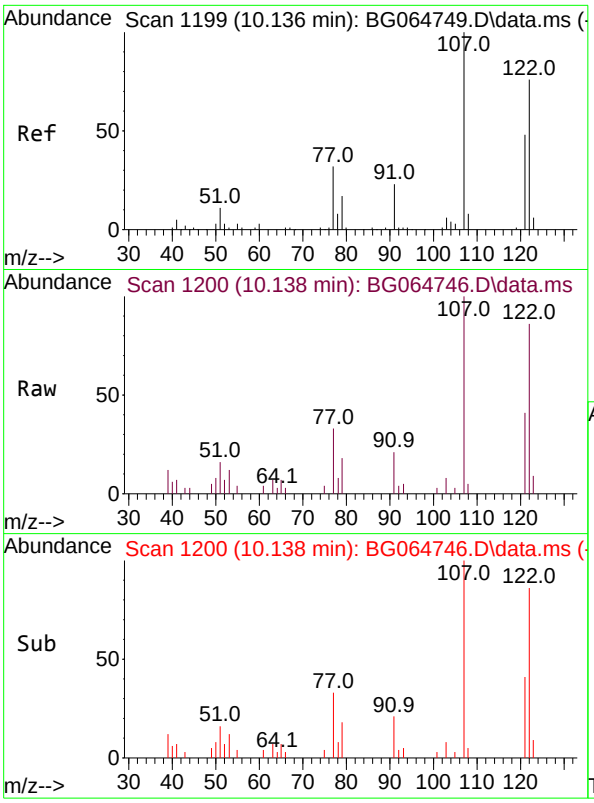


#26
2-Nitrophenol
Concen: 3.627 ng
RT: 10.091 min Scan# 1192
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:139 Resp: 3766

Ion	Ratio	Lower	Upper
139	100		
109	39.7	32.5	48.7
65	50.5	47.6	71.4

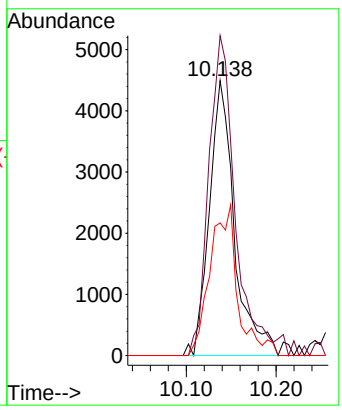




#27
2,4-Dimethylphenol
Concen: 4.734 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:122 Resp: 873

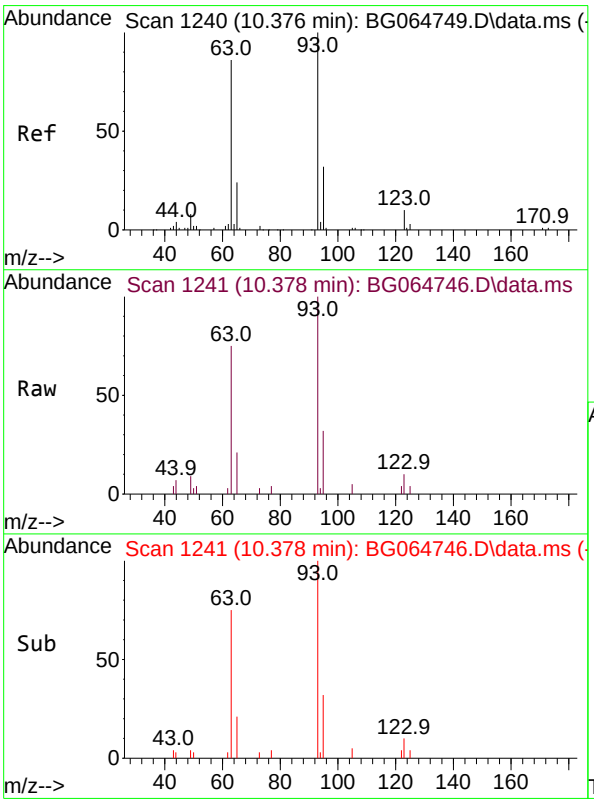
Ion	Ratio	Lower	Upper
122	100		
107	116.4	102.5	153.7
121	48.3	49.0	73.6#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

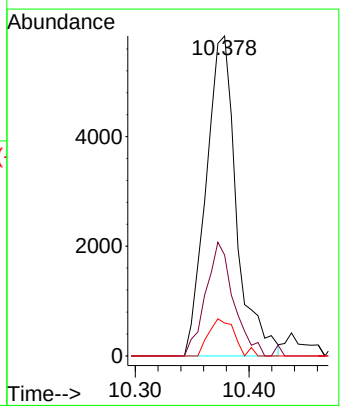
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

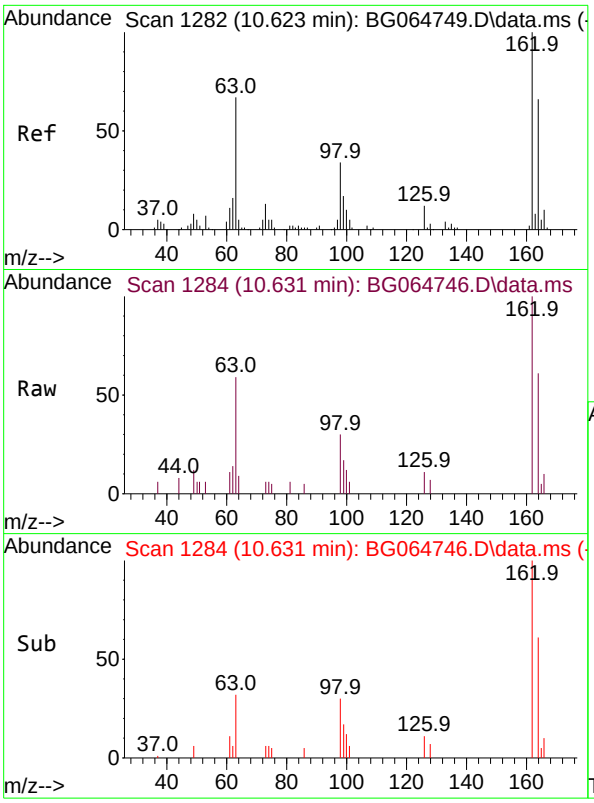


#28
bis(2-Chloroethoxy)methane
Concen: 4.526 ng
RT: 10.378 min Scan# 1241
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 10809

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.4	38.2
123	10.3	8.1	12.1

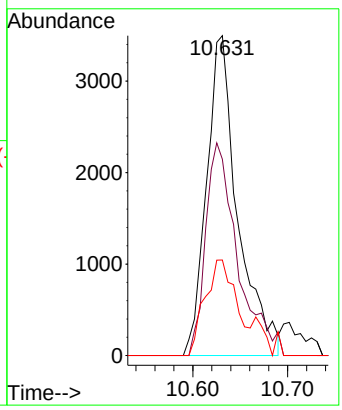




#29
2,4-Dichlorophenol
Concen: 4.039 ng
RT: 10.631 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:162 Resp: 799

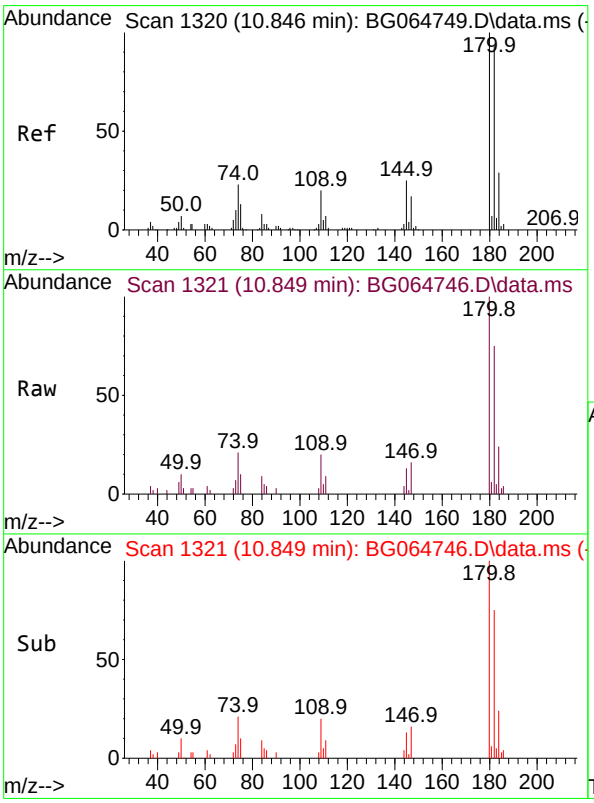
Ion	Ratio	Lower	Upper
162	100		
164	61.4	46.0	86.0
98	29.9	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

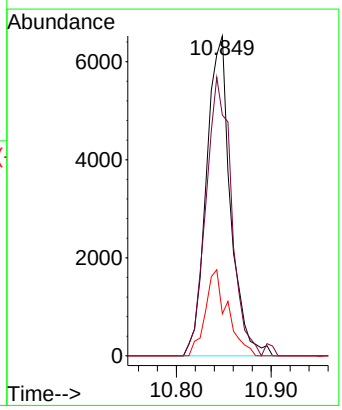
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

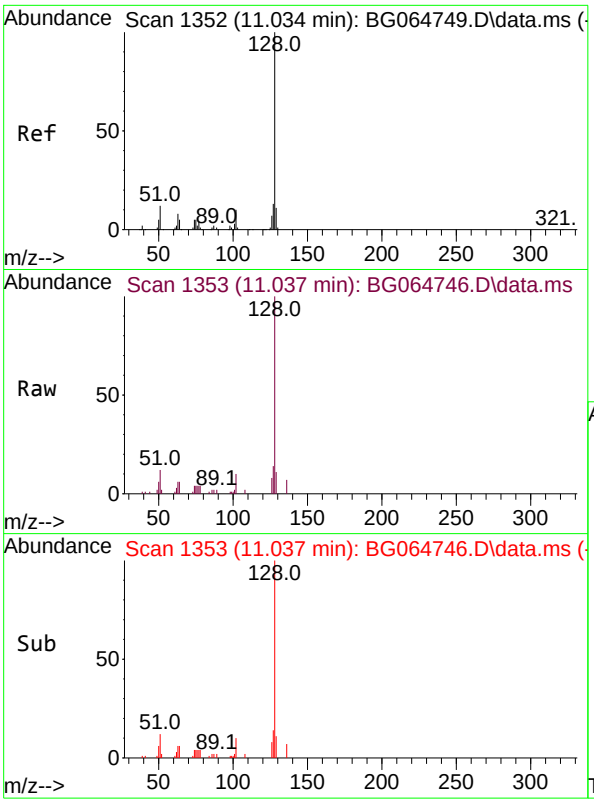


#30
1,2,4-Trichlorobenzene
Concen: 4.816 ng
RT: 10.849 min Scan# 1321
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:180 Resp: 11516

Ion	Ratio	Lower	Upper
180	100		
182	70.9	74.2	111.4#
145	12.4	20.0	30.0#

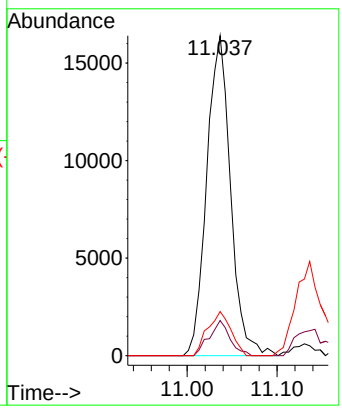




#31
Naphthalene
Concen: 4.744 ng
RT: 11.037 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:128 Resp: 3037

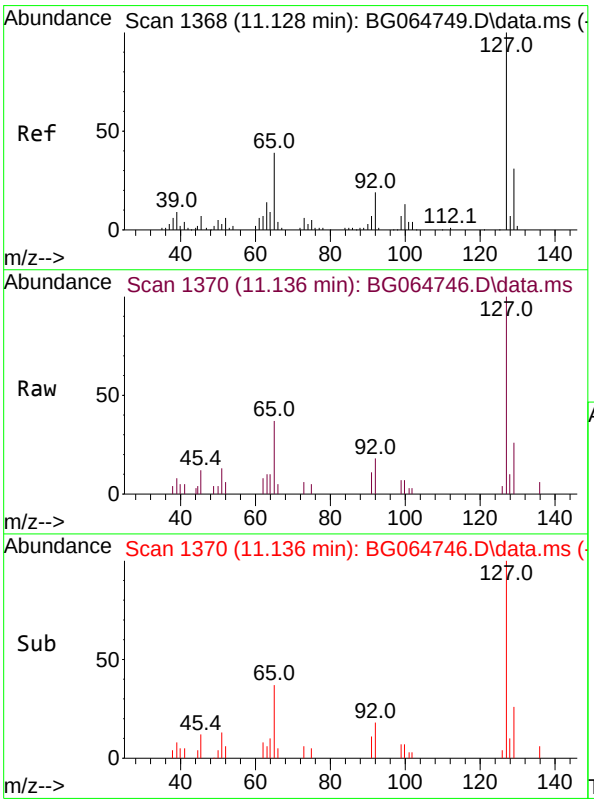
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.8	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

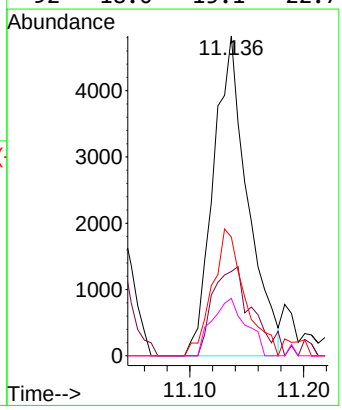
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

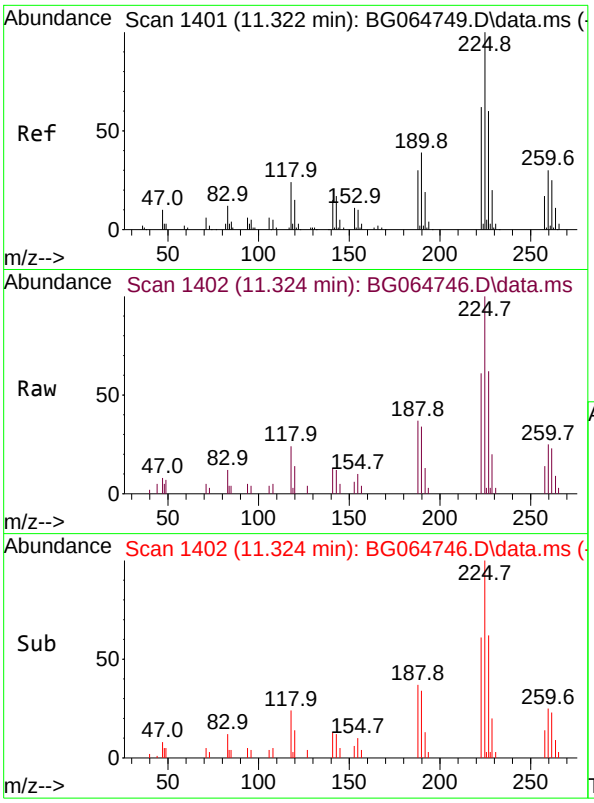


#33
4-Chloroaniline
Concen: 3.933 ng
RT: 11.136 min Scan# 1370
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:127 Resp: 10074

Ion	Ratio	Lower	Upper
127	100		
129	26.4	24.9	37.3
65	37.1	30.9	46.3
92	18.0	15.1	22.7

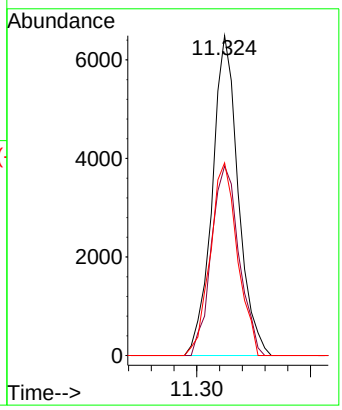




#34
Hexachlorobutadiene
Concen: 5.029 ng
RT: 11.324 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:225 Resp: 10318

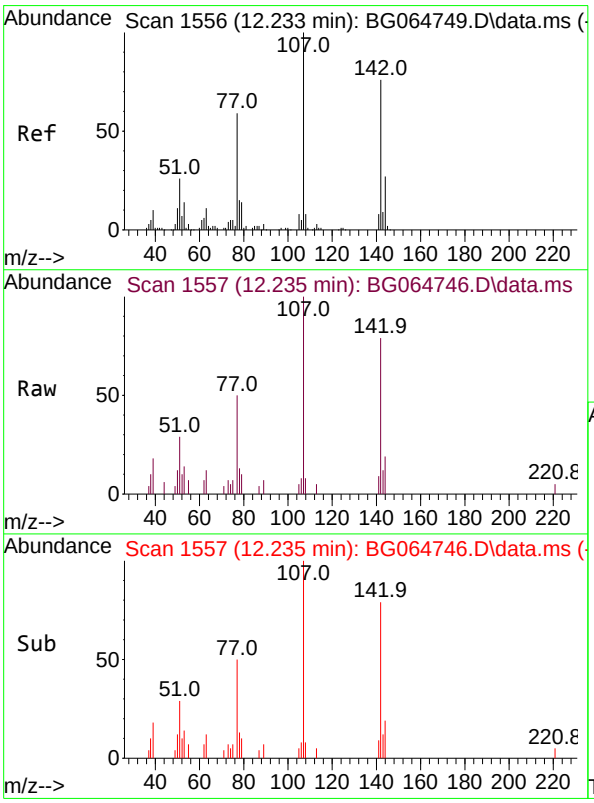
Ion	Ratio	Lower	Upper
225	100		
223	59.2	49.9	74.9
227	62.8	50.6	75.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

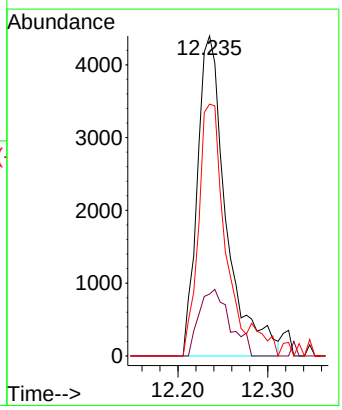
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

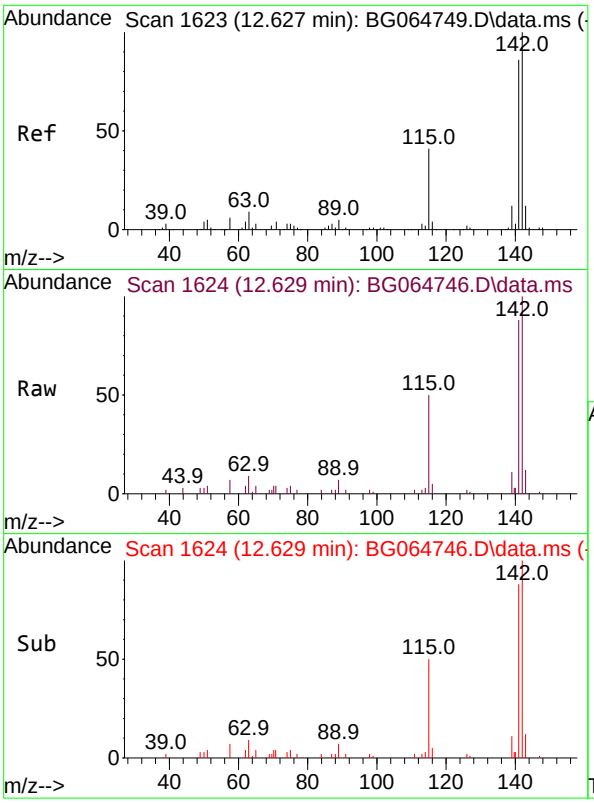


#36
4-Chloro-3-methylphenol
Concen: 4.455 ng
RT: 12.235 min Scan# 1557
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:107 Resp: 9819

Ion	Ratio	Lower	Upper
107	100		
144	19.3	21.7	32.5#
142	78.7	60.8	91.2

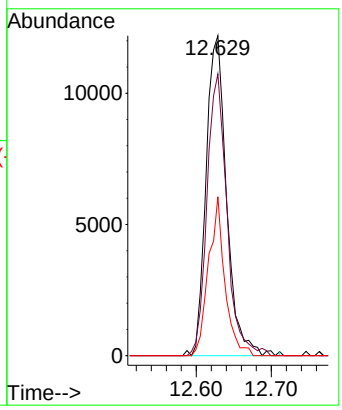




#37
2-Methylnaphthalene
Concen: 4.831 ng m
RT: 12.629 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:142 Resp: 2314

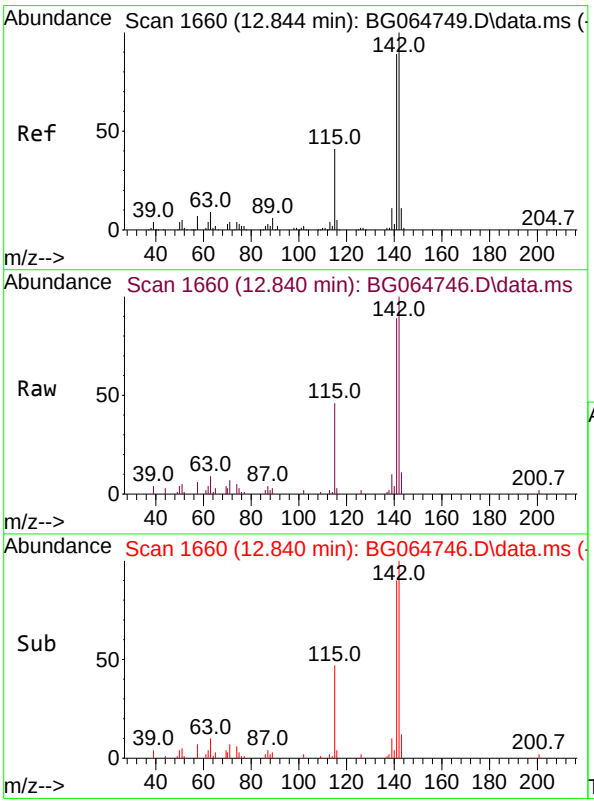
Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.1	103.7
115	49.6	32.9	49.3#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

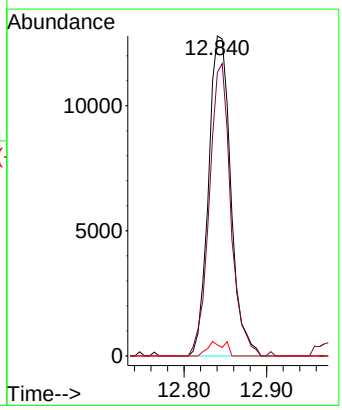
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

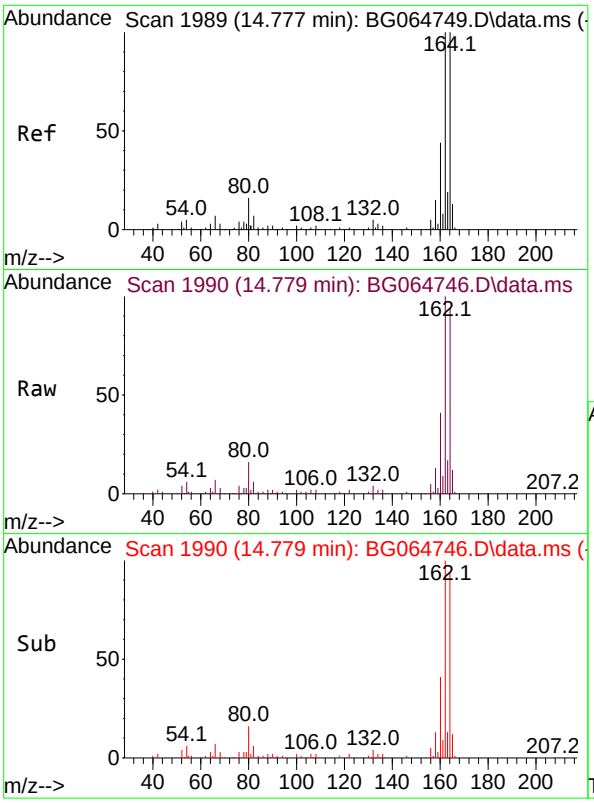


#38
1-Methylnaphthalene
Concen: 5.007 ng m
RT: 12.840 min Scan# 1660
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:142 Resp: 23834

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
116	3.4	3.7	5.5#

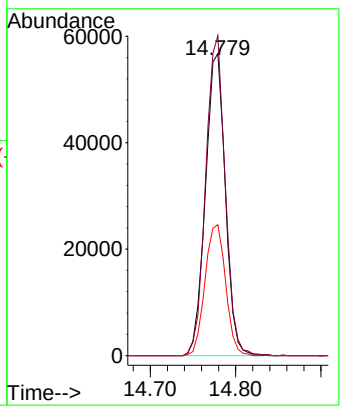




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:164 Resp: 9215

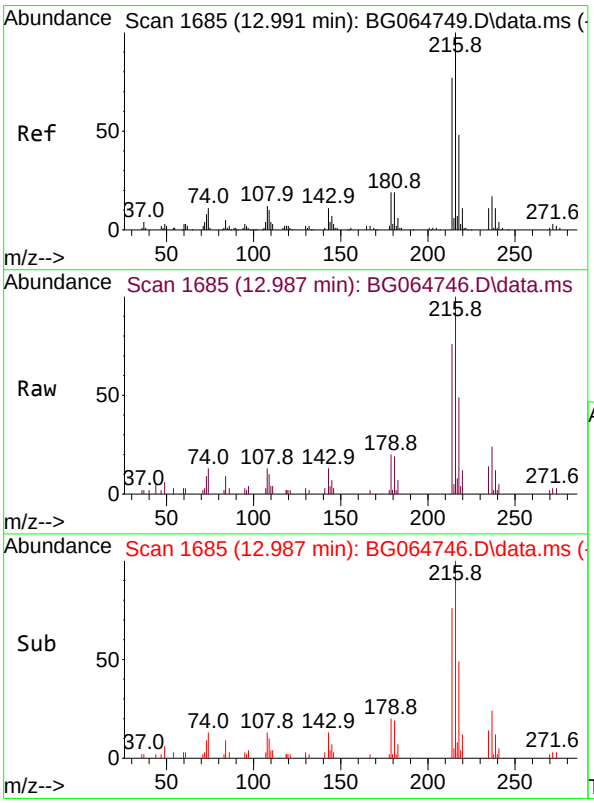
Ion	Ratio	Lower	Upper
164	100		
162	106.0	79.8	119.6
160	43.4	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

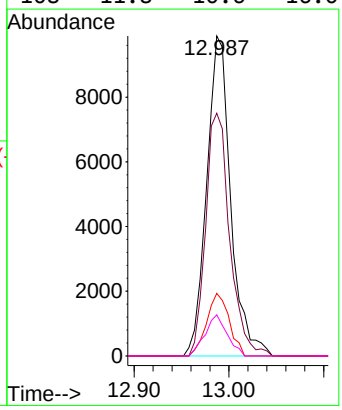
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

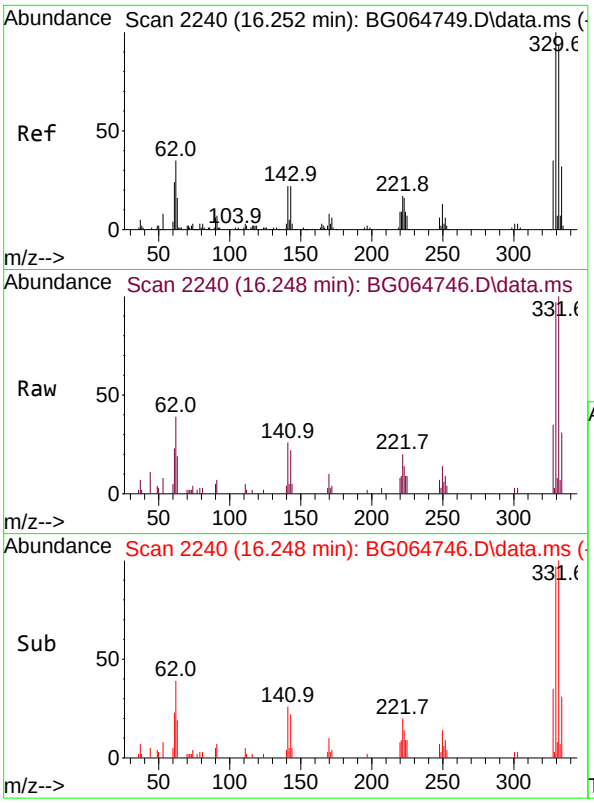


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.859 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:216 Resp: 17425

Ion	Ratio	Lower	Upper
216	100		
214	75.8	60.5	90.7
179	18.2	14.7	22.1
108	11.8	10.6	16.0

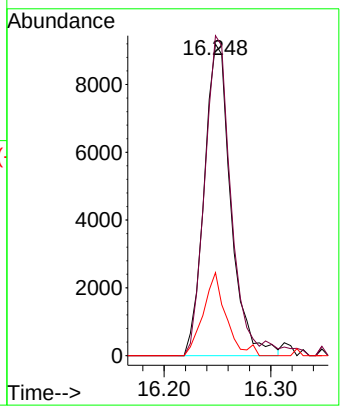




#42
2,4,6-Tribromophenol
Concen: 8.875 ng
RT: 16.248 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:330 Resp: 1595

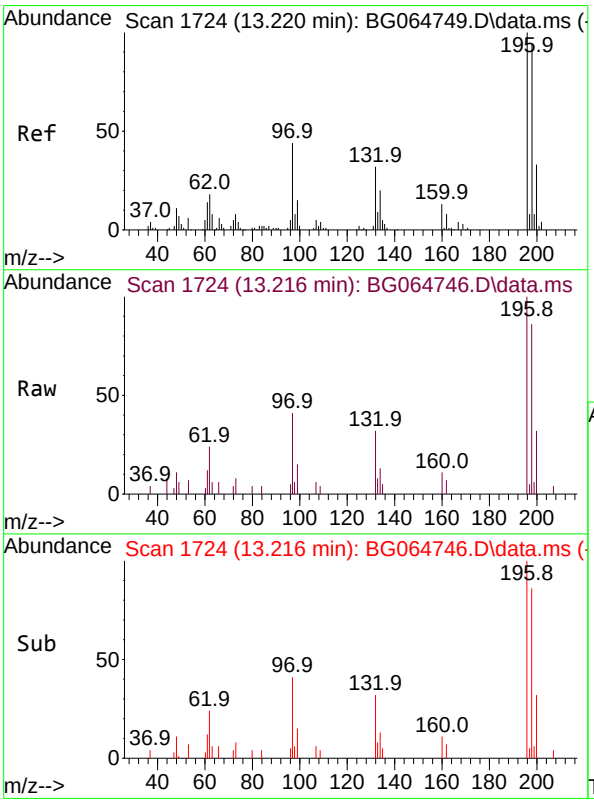
Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.0	115.6
141	22.7	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

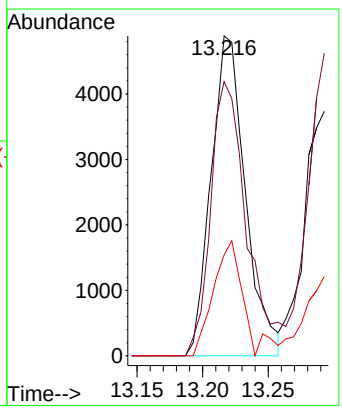
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

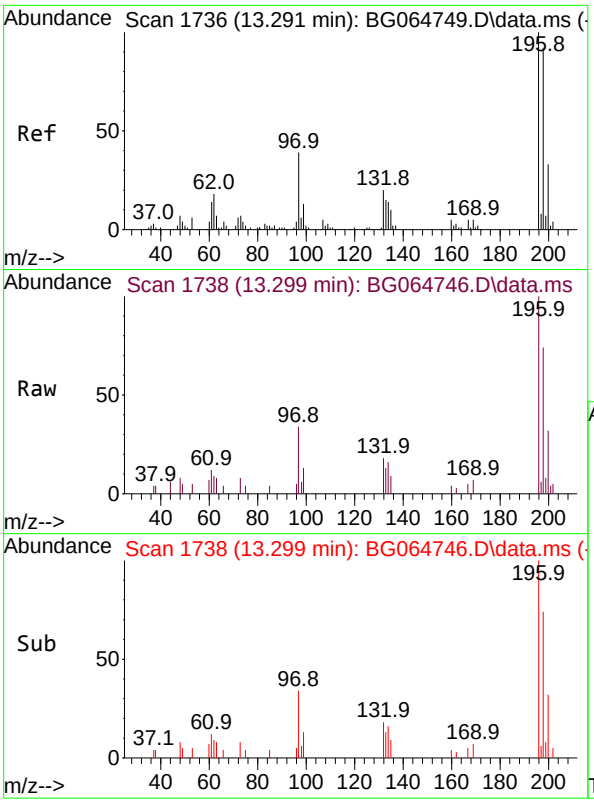


#43
2,4,6-Trichlorophenol
Concen: 4.222 ng
RT: 13.216 min Scan# 1724
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:196 Resp: 8887

Ion	Ratio	Lower	Upper
196	100		
198	85.7	75.3	112.9
200	31.6	26.2	39.2

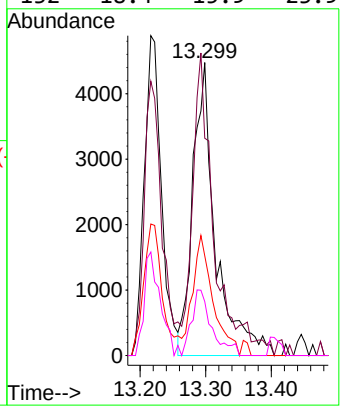




#44
2,4,5-Trichlorophenol
Concen: 4.559 ng
RT: 13.299 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:196 Resp: 1076

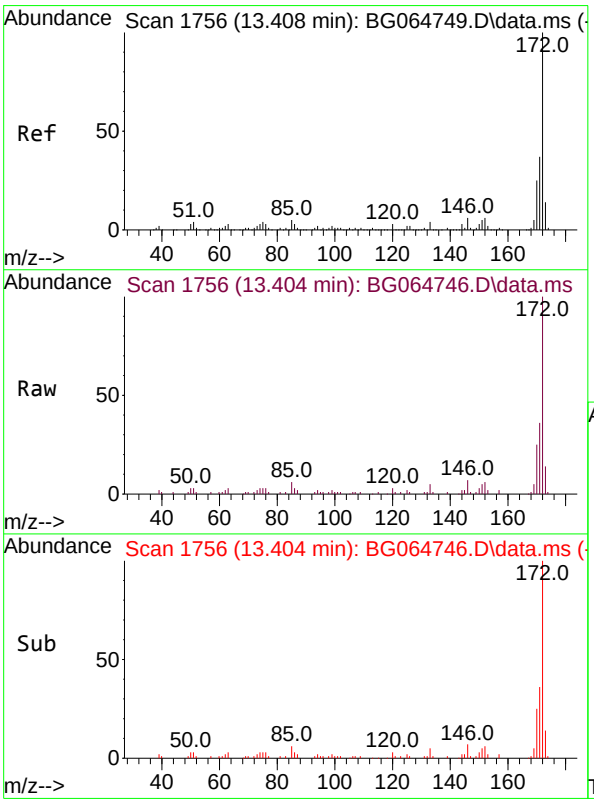
Ion	Ratio	Lower	Upper
196	100		
198	74.2	73.2	109.8
97	34.1	31.4	47.0
132	18.4	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

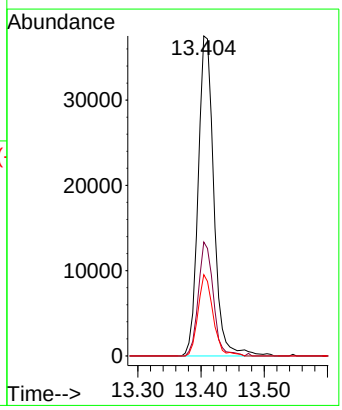
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

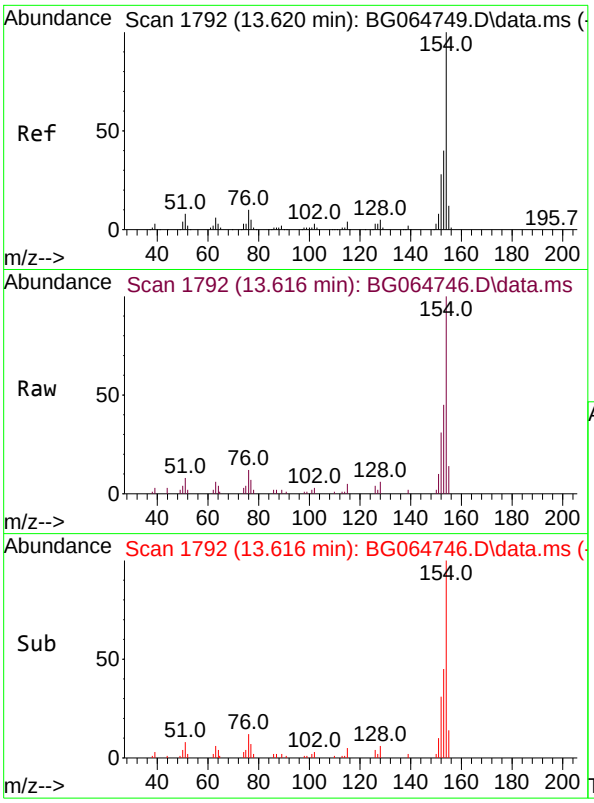


#45
2-Fluorobiphenyl
Concen: 9.789 ng
RT: 13.404 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:172 Resp: 64649

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	25.4	19.8	29.6

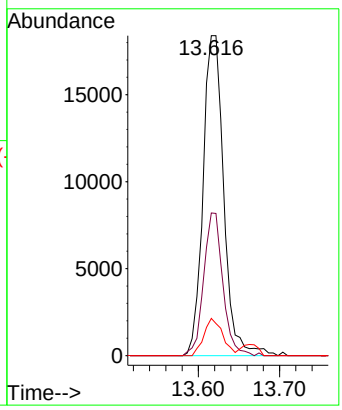




#46
1,1'-Biphenyl
Concen: 4.930 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:154 Resp: 3263

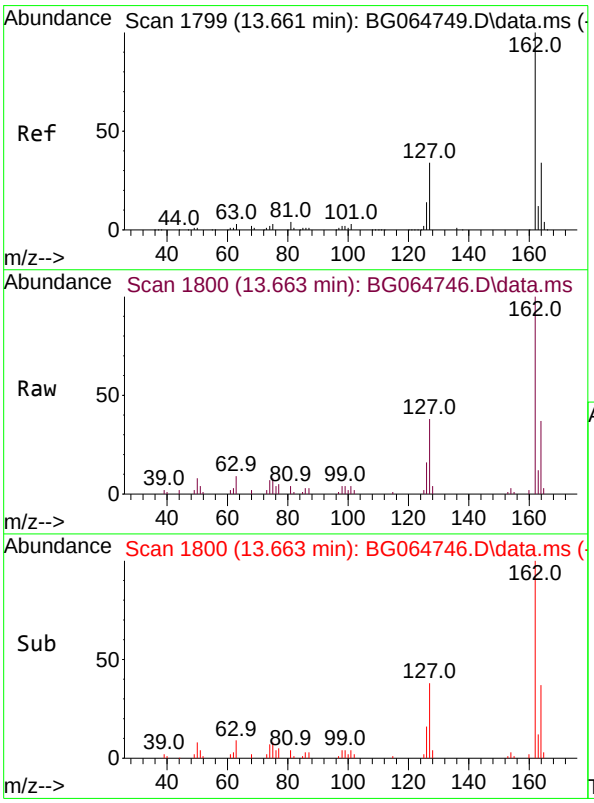
Ion	Ratio	Lower	Upper
154	100		
153	44.6	19.8	59.8
76	11.6	0.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

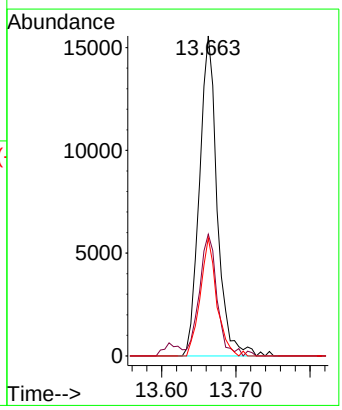
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

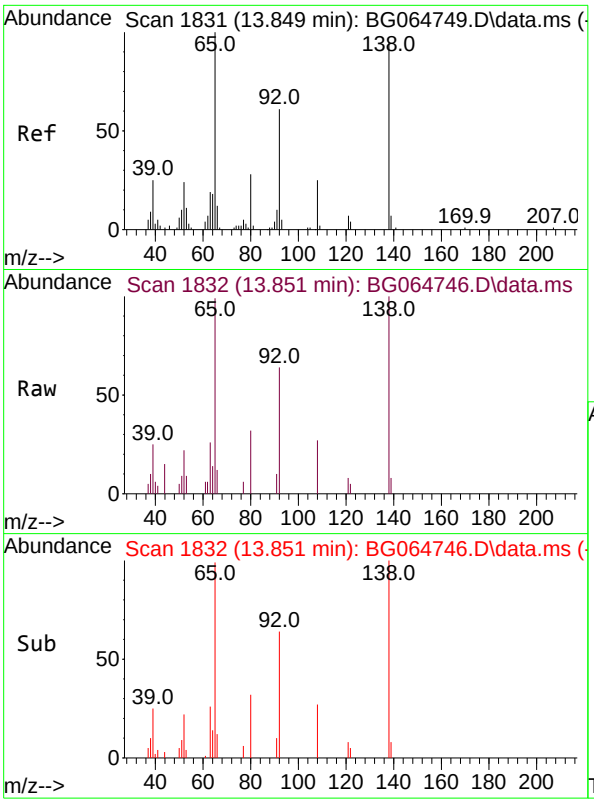


#47
2-Chloronaphthalene
Concen: 4.964 ng
RT: 13.663 min Scan# 1800
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:162 Resp: 25885

Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.3	45.5
164	36.8	26.8	40.2

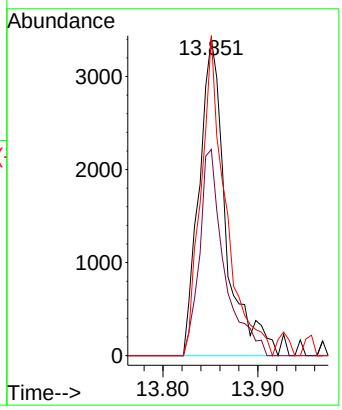




#48
2-Nitroaniline
Concen: 3.995 ng
RT: 13.851 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 65 Resp: 670

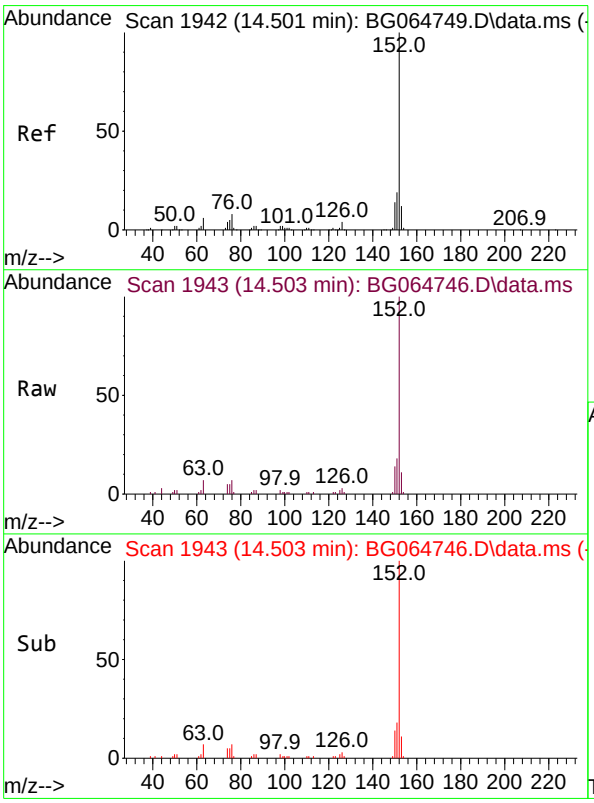
Ion	Ratio	Lower	Upper
65	100		
92	65.1	48.6	73.0
138	101.0	76.4	114.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

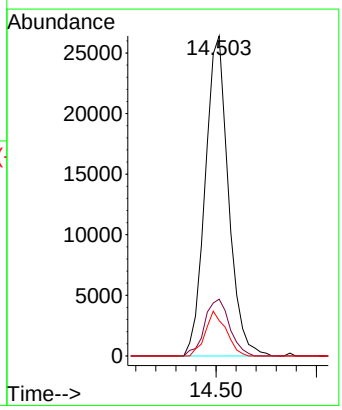
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

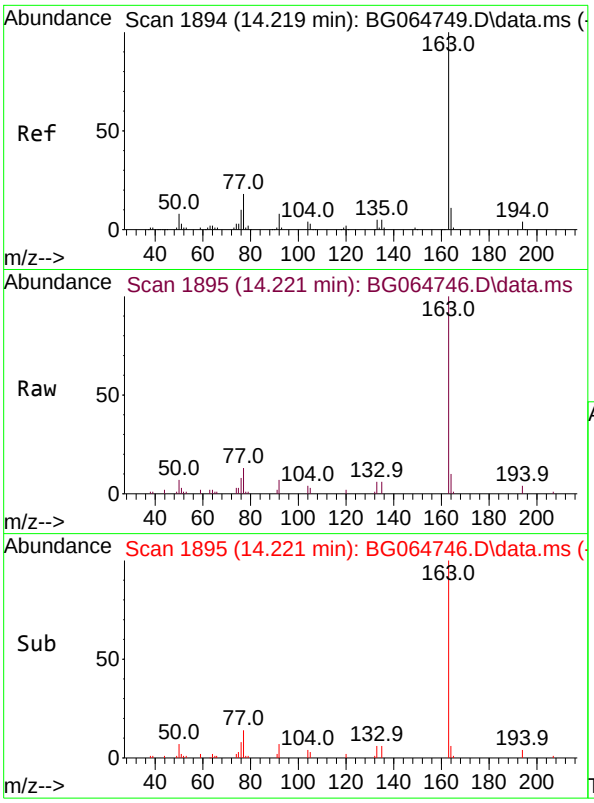


#49
Acenaphthylene
Concen: 4.756 ng
RT: 14.503 min Scan# 1943
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:152 Resp: 42371

Ion	Ratio	Lower	Upper
152	100		
151	17.7	15.0	22.4
153	11.0	9.9	14.9





#50
Dimethylphthalate
Concen: 4.858 ng
RT: 14.221 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

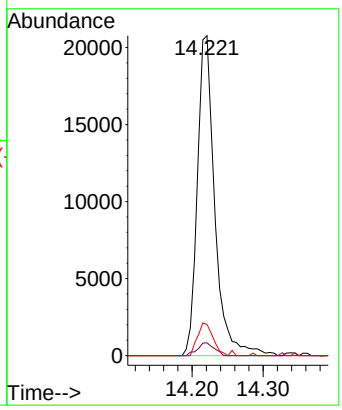
Tgt Ion:163 Resp: 3536

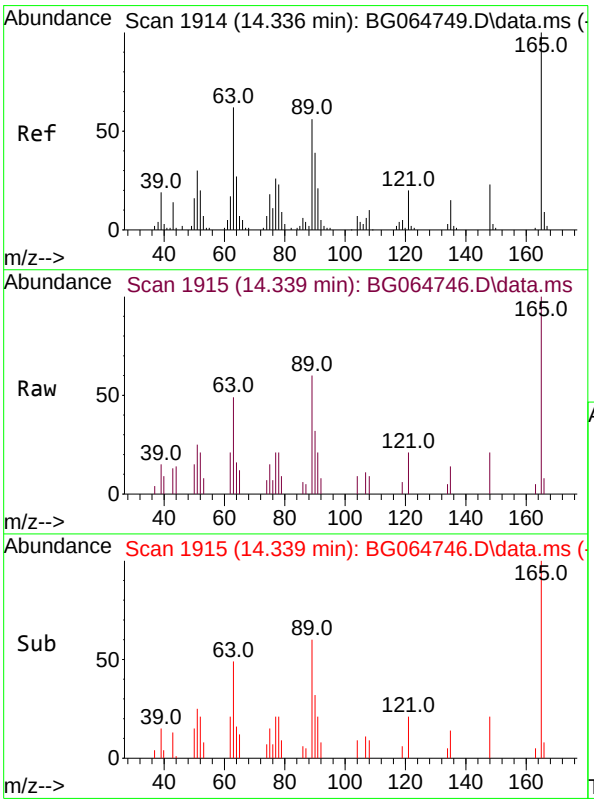
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.7	8.6	12.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

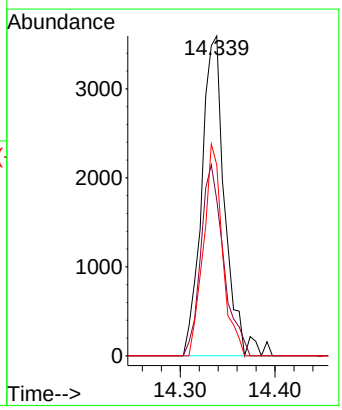


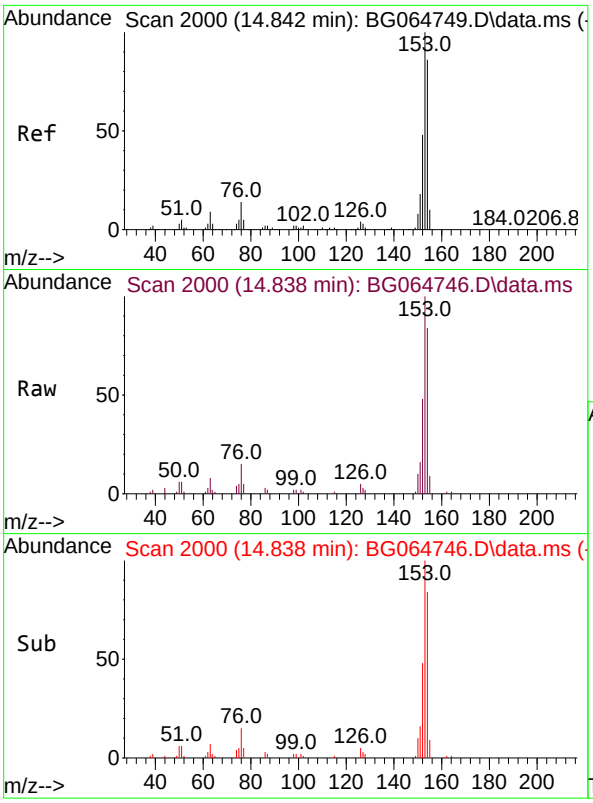


#51
2,6-Dinitrotoluene
Concen: 4.366 ng
RT: 14.339 min Scan# 1915
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:165 Resp: 6116

Ion	Ratio	Lower	Upper
165	100		
63	48.7	49.8	74.8#
89	59.7	45.0	67.4

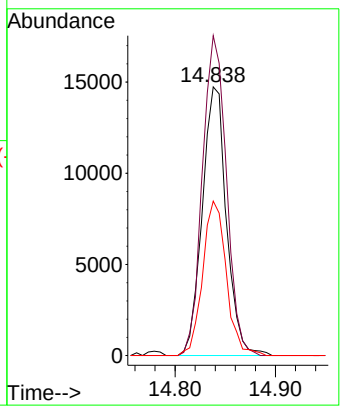




#52
Acenaphthene
Concen: 4.625 ng
RT: 14.838 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:154 Resp: 2470

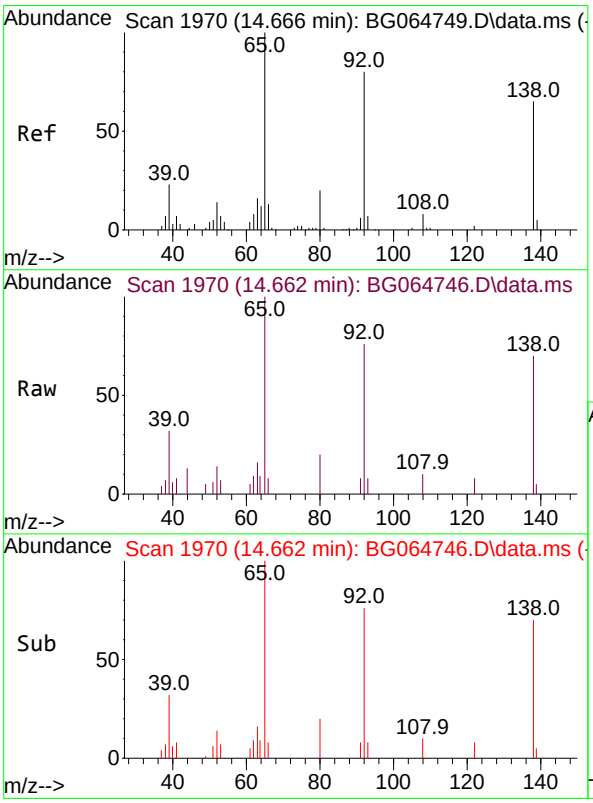
Ion	Ratio	Lower	Upper
154	100		
153	119.1	93.0	139.4
152	57.5	44.4	66.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

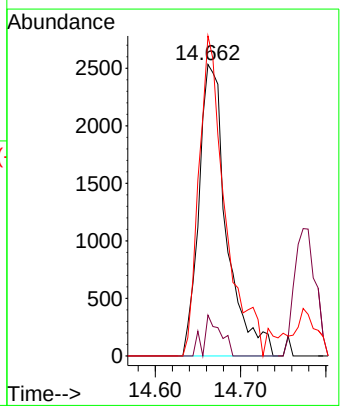
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

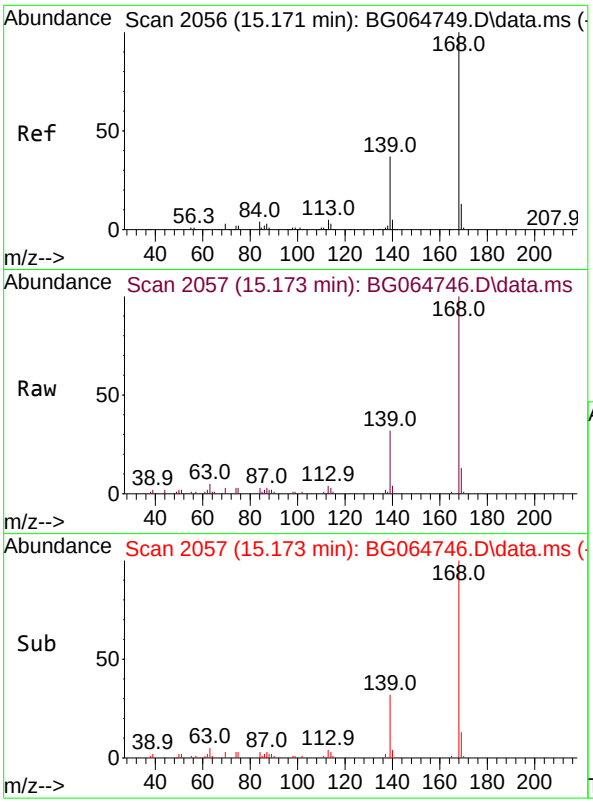


#53
3-Nitroaniline
Concen: 4.121 ng
RT: 14.662 min Scan# 1970
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:138 Resp: 5697

Ion	Ratio	Lower	Upper
138	100		
108	14.0	9.5	14.3
92	109.8	99.0	148.4

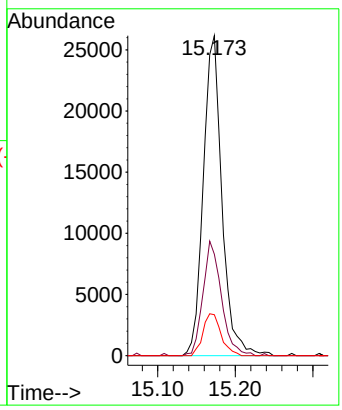




#55
Dibenzofuran
Concen: 4.950 ng
RT: 15.173 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:168 Resp: 4371

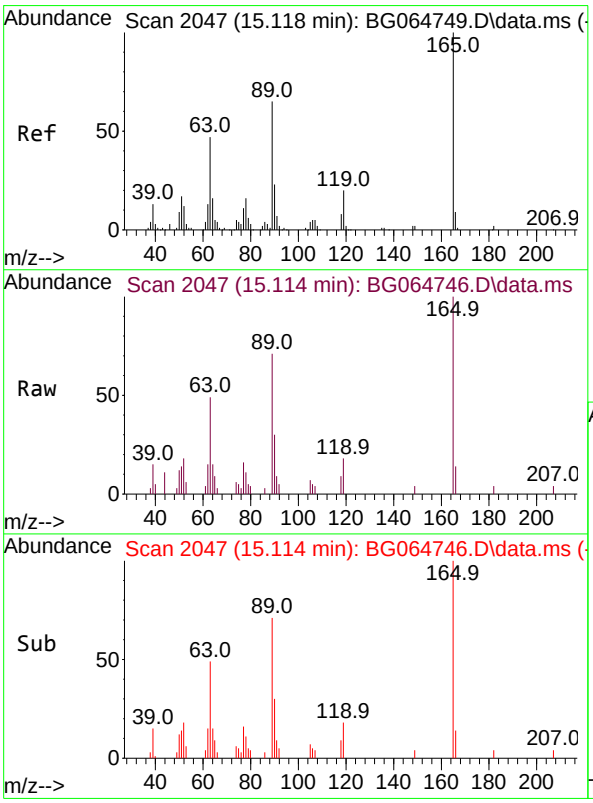
Ion	Ratio	Lower	Upper
168	100		
139	31.7	29.5	44.3
169	12.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

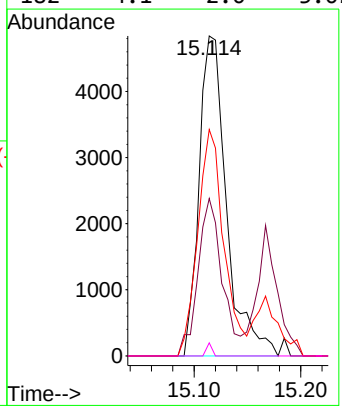
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

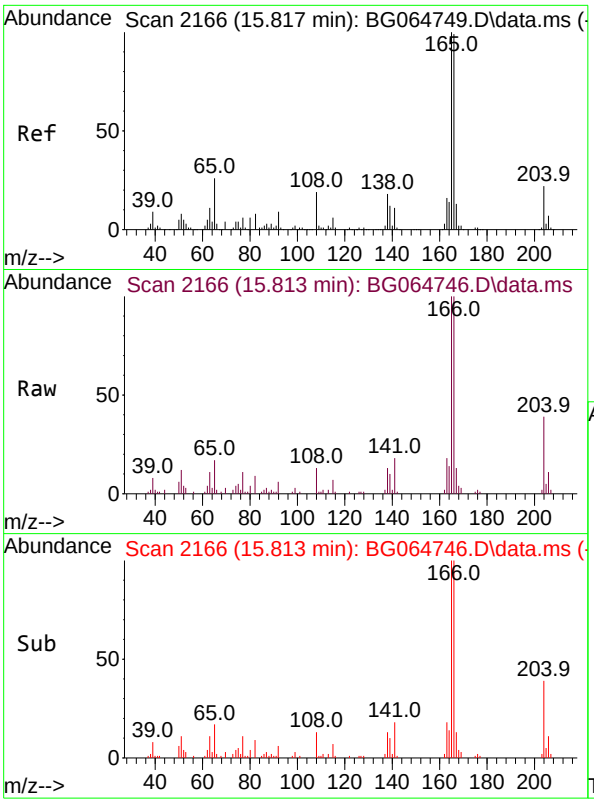


#57
2,4-Dinitrotoluene
Concen: 4.121 ng
RT: 15.114 min Scan# 2047
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:165 Resp: 8655

Ion	Ratio	Lower	Upper
165	100		
63	49.2	37.8	56.6
89	70.7	51.6	77.4
182	4.1	2.0	3.0#

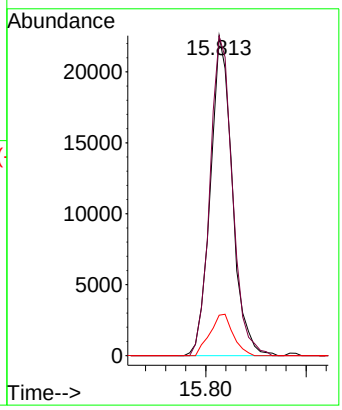




#58
Fluorene
Concen: 4.926 ng
RT: 15.813 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:166 Resp: 3411

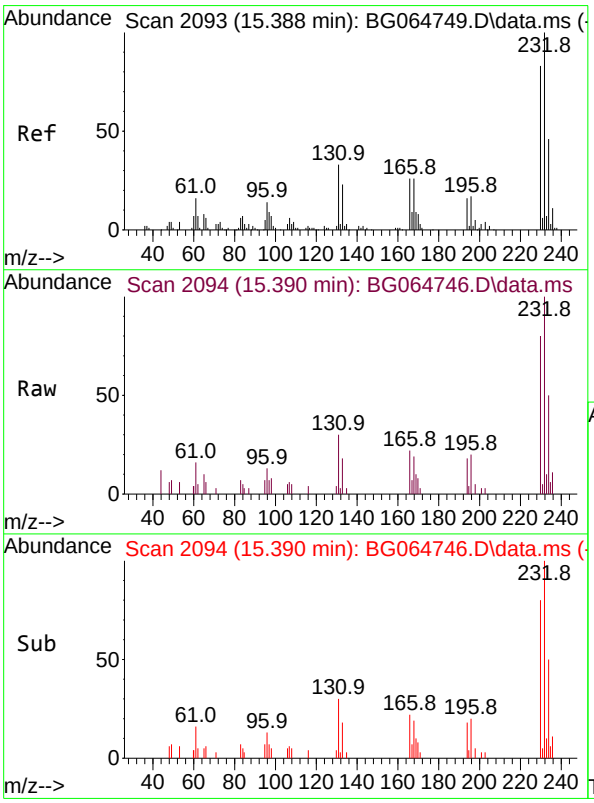
Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.5	120.7
167	12.6	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

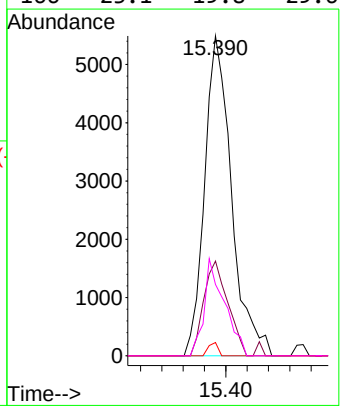
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

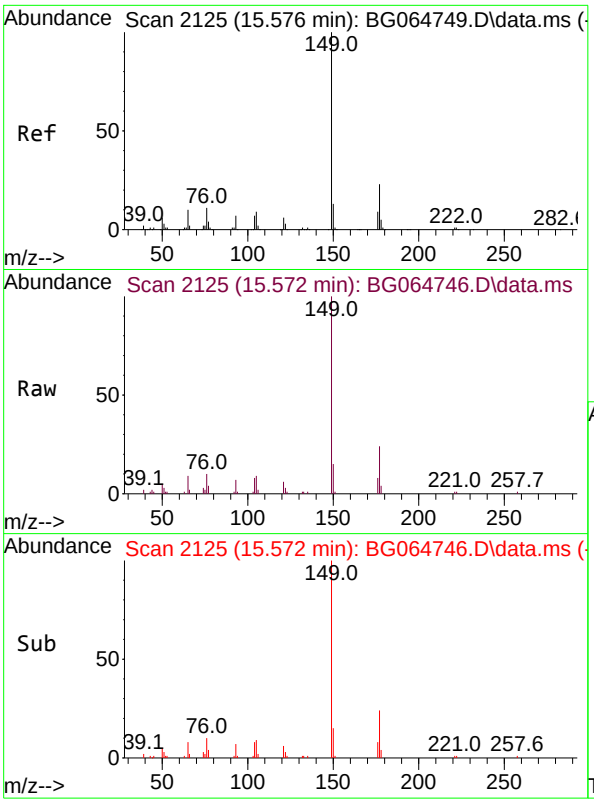


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.136 ng
RT: 15.390 min Scan# 2094
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:232 Resp: 9634

Ion	Ratio	Lower	Upper
232	100		
131	26.5	26.0	39.0
130	1.5	1.6	2.4#
166	23.1	19.8	29.6

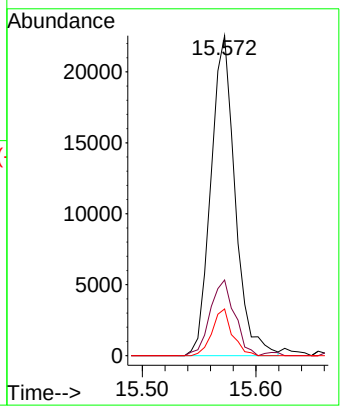




#60
Diethylphthalate
Concen: 4.767 ng
RT: 15.572 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 3324

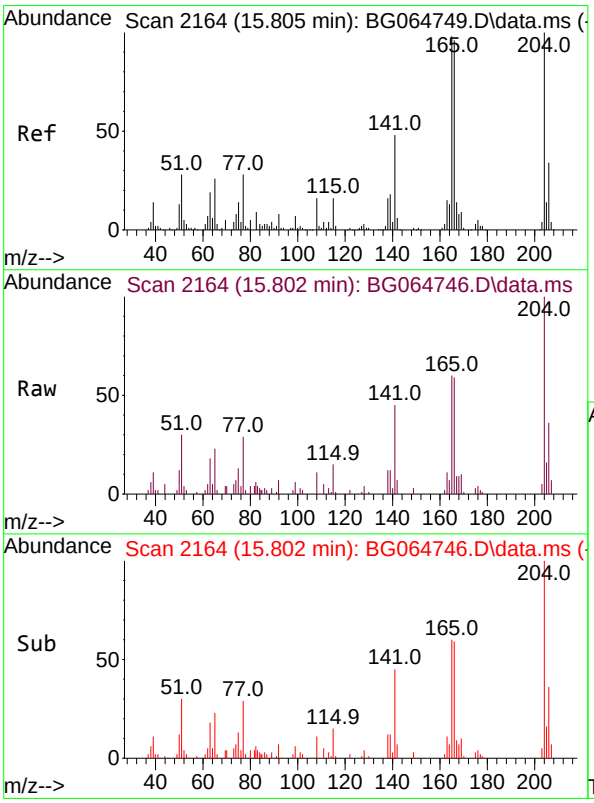
Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.4	27.6
150	14.6	10.1	15.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

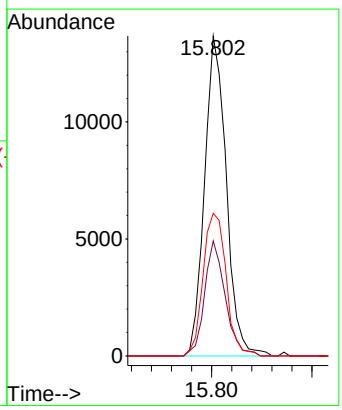
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

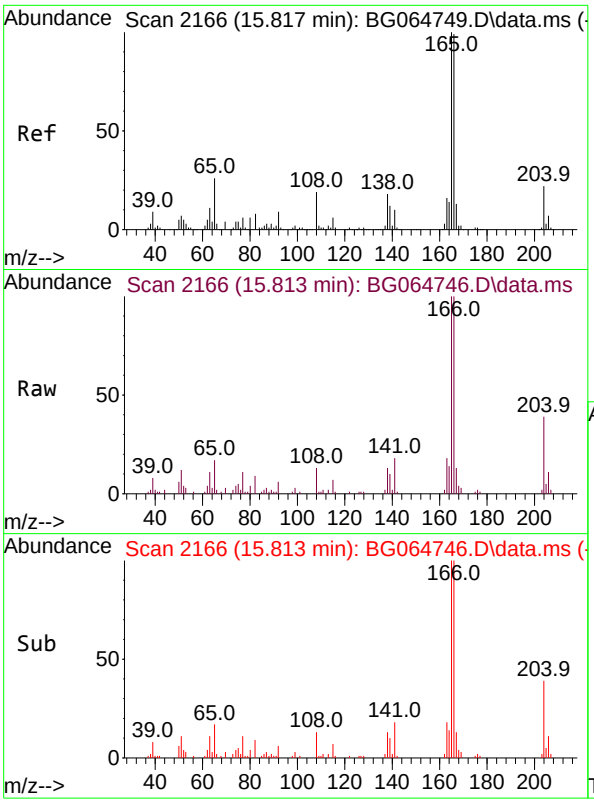


#61
4-Chlorophenyl-phenylether
Concen: 4.946 ng
RT: 15.802 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:204 Resp: 20557

Ion	Ratio	Lower	Upper
204	100		
206	36.0	26.9	40.3
141	44.6	38.1	57.1

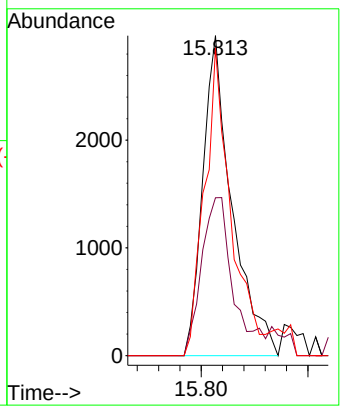




#62
4-Nitroaniline
Concen: 3.949 ng
RT: 15.813 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:138 Resp: 565

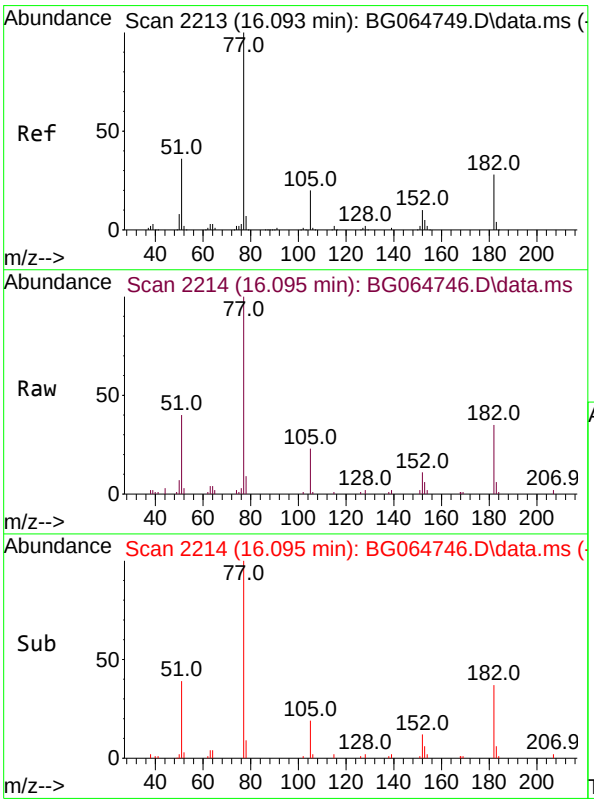
Ion	Ratio	Lower	Upper
138	100		
92	49.3	30.7	70.7
108	96.2	85.7	125.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

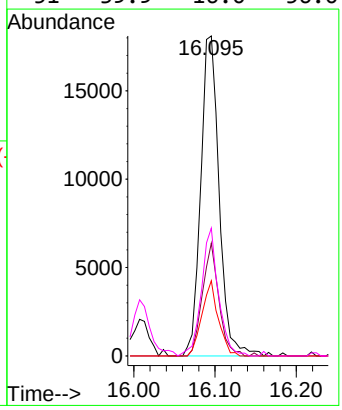
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

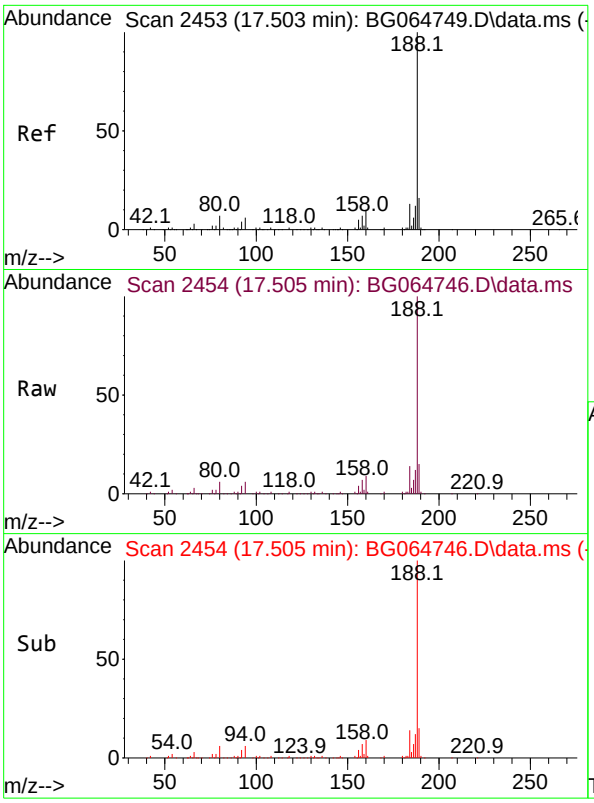


#63
Azobenzene
Concen: 4.940 ng
RT: 16.095 min Scan# 2214
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 77 Resp: 28653

Ion	Ratio	Lower	Upper
77	100		
182	35.2	8.1	48.1
105	23.5	0.1	40.1
51	39.9	16.0	56.0

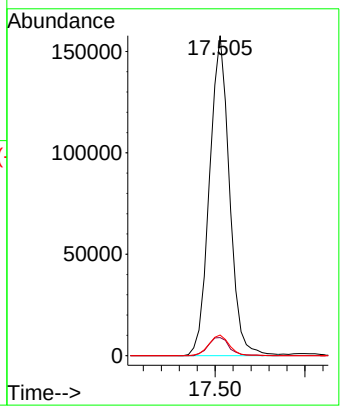




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.505 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:188 Resp: 24388

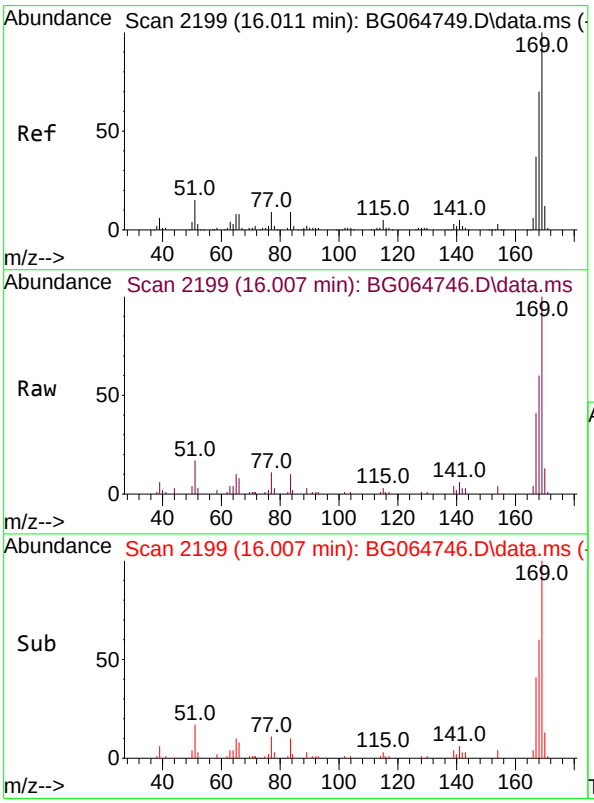
Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.4	5.4	8.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

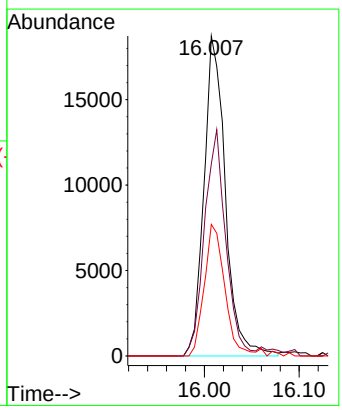
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

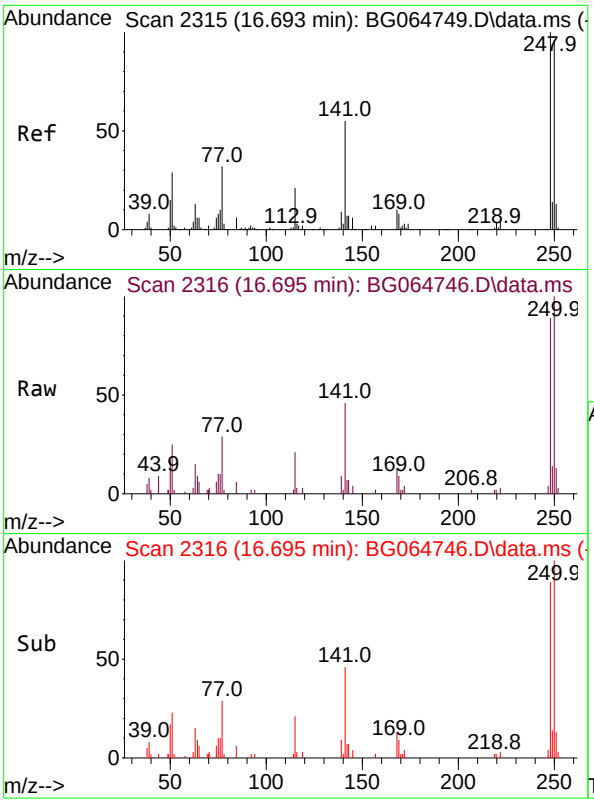


#66
n-Nitrosodiphenylamine
Concen: 4.609 ng
RT: 16.007 min Scan# 2199
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:169 Resp: 29441

Ion	Ratio	Lower	Upper
169	100		
168	60.0	55.9	83.9
167	41.1	29.8	44.6

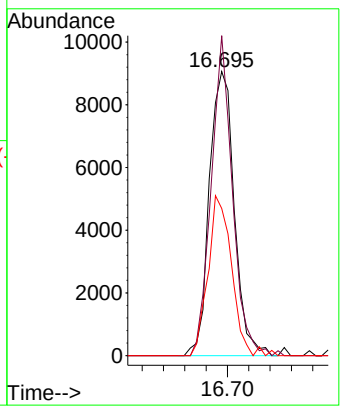




#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:248 Resp: 1472

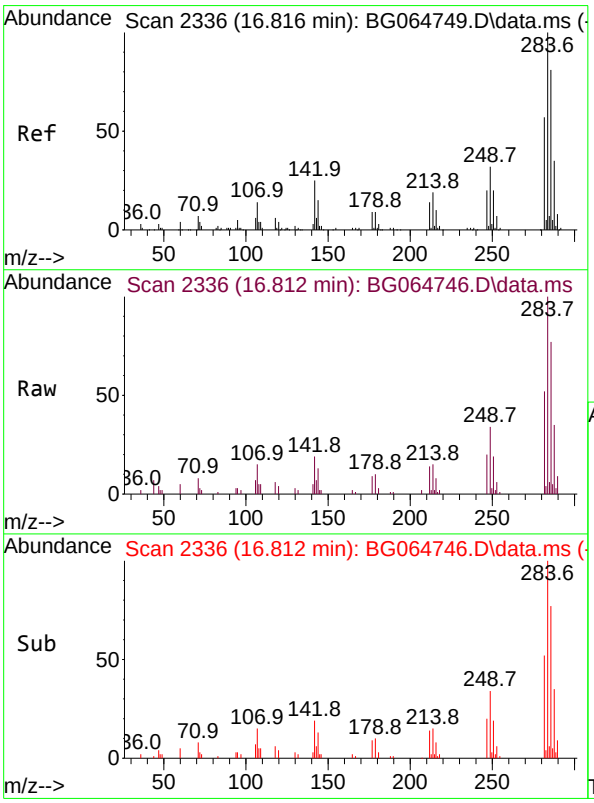
Ion	Ratio	Lower	Upper
248	100		
250	112.7	77.0	115.6
141	51.8	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

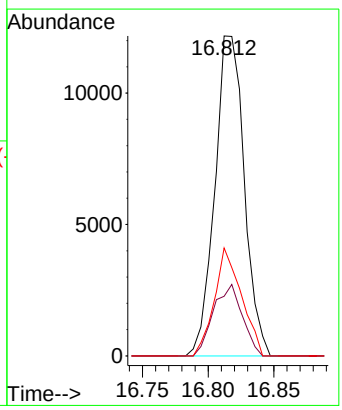
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

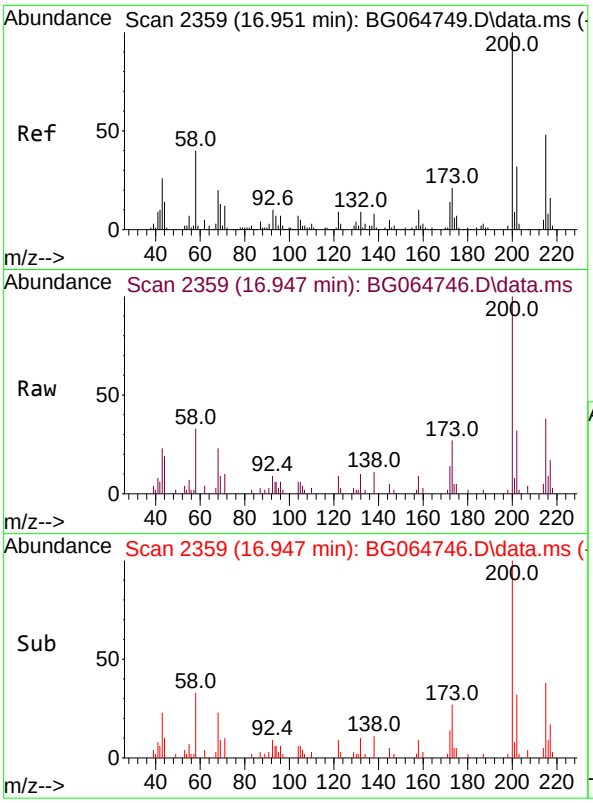


#68
Hexachlorobenzene
Concen: 4.900 ng
RT: 16.812 min Scan# 2336
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:284 Resp: 19015

Ion	Ratio	Lower	Upper
284	100		
142	18.6	19.7	29.5#
249	36.3	28.1	42.1

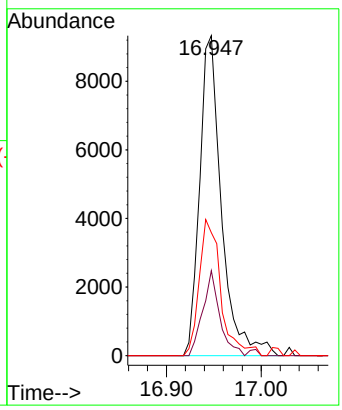




#69
Atrazine
Concen: 4.849 ng
RT: 16.947 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:200 Resp: 1493

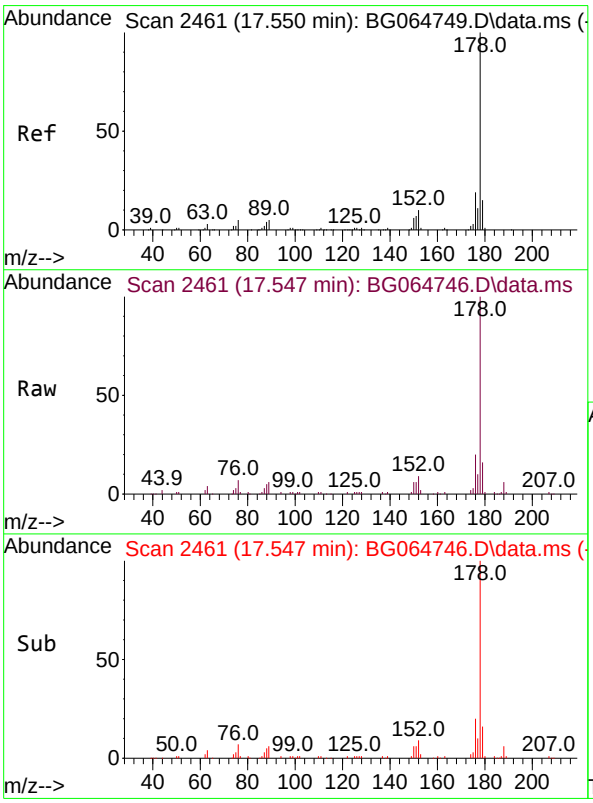
Ion	Ratio	Lower	Upper
200	100		
173	26.5	0.9	40.9
215	38.4	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

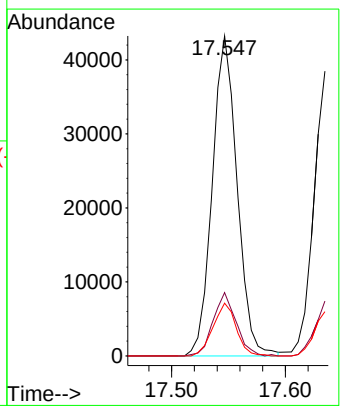
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

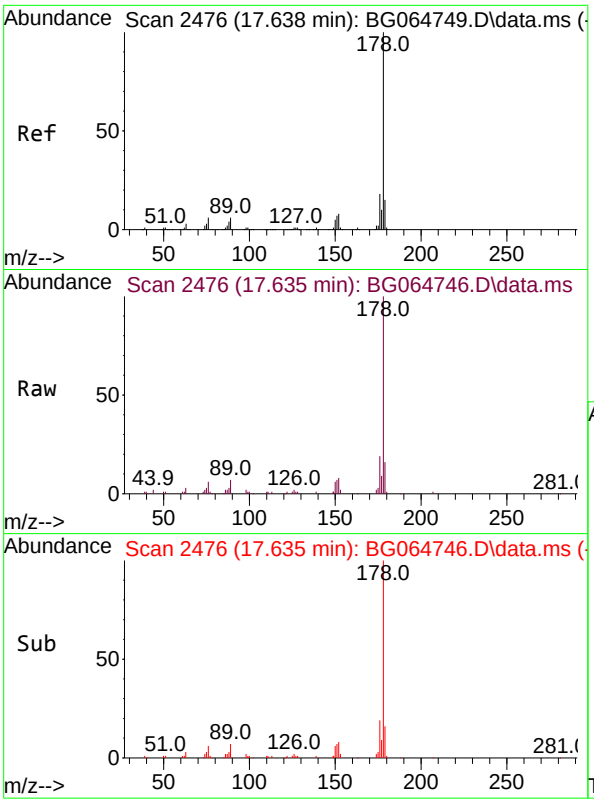


#71
Phenanthrene
Concen: 4.913 ng
RT: 17.547 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:178 Resp: 65553

Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.8	22.2
179	16.5	12.2	18.4

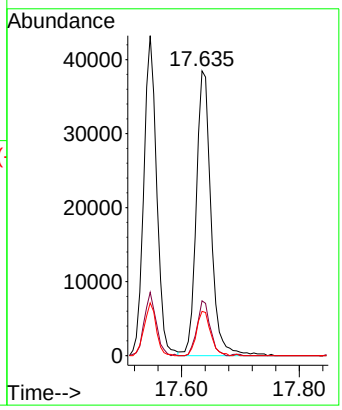




#72
Anthracene
Concen: 4.919 ng
RT: 17.635 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:178 Resp: 6692

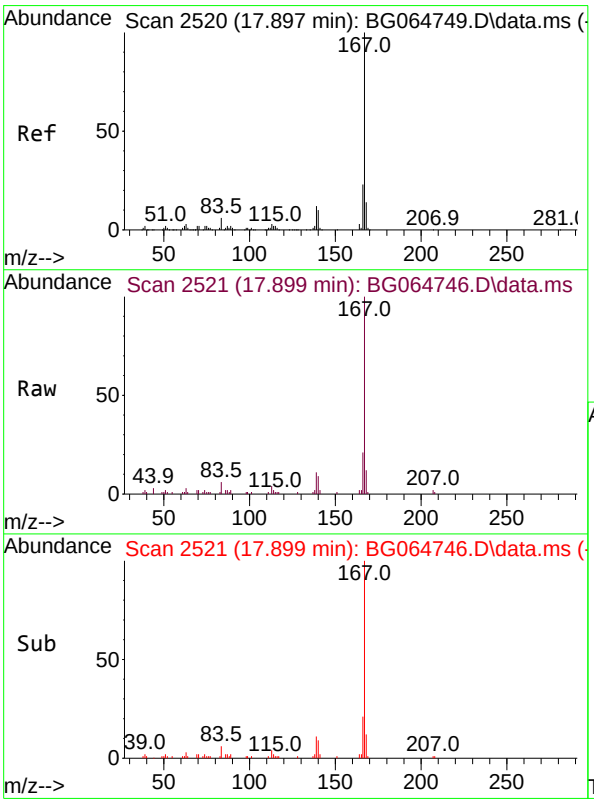
Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.5	21.7
179	15.5	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

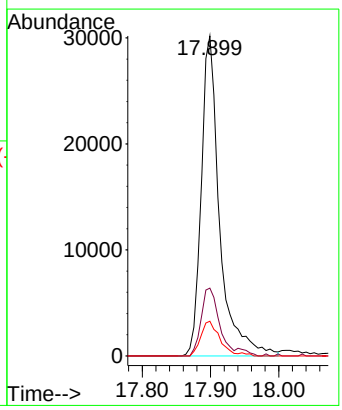
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

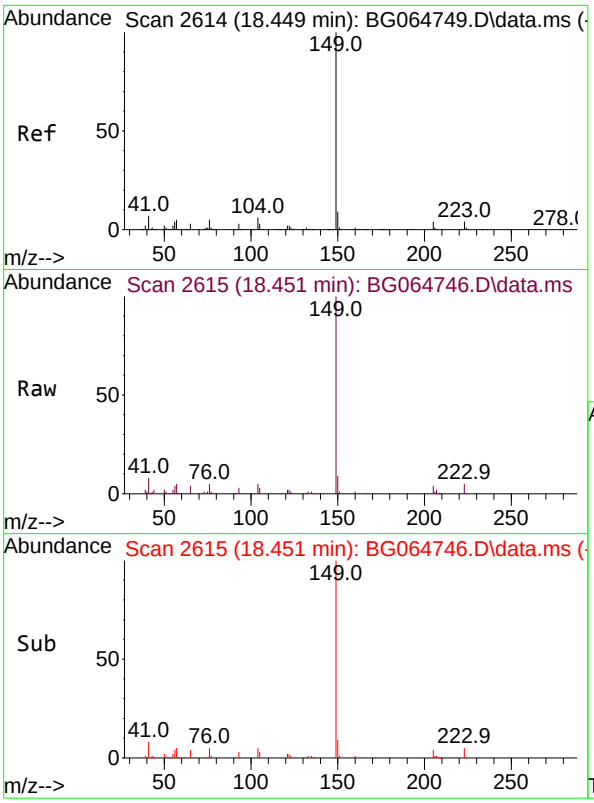


#73
Carbazole
Concen: 4.826 ng
RT: 17.899 min Scan# 2521
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:167 Resp: 56453

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	10.8	9.7	14.5

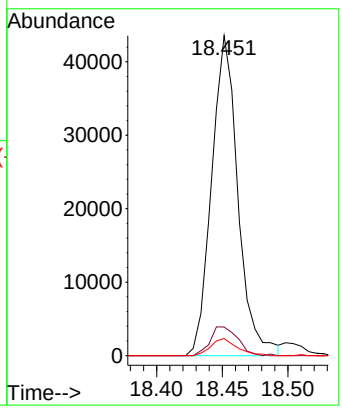




#74
Di-n-butylphthalate
Concen: 4.661 ng
RT: 18.451 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 6082

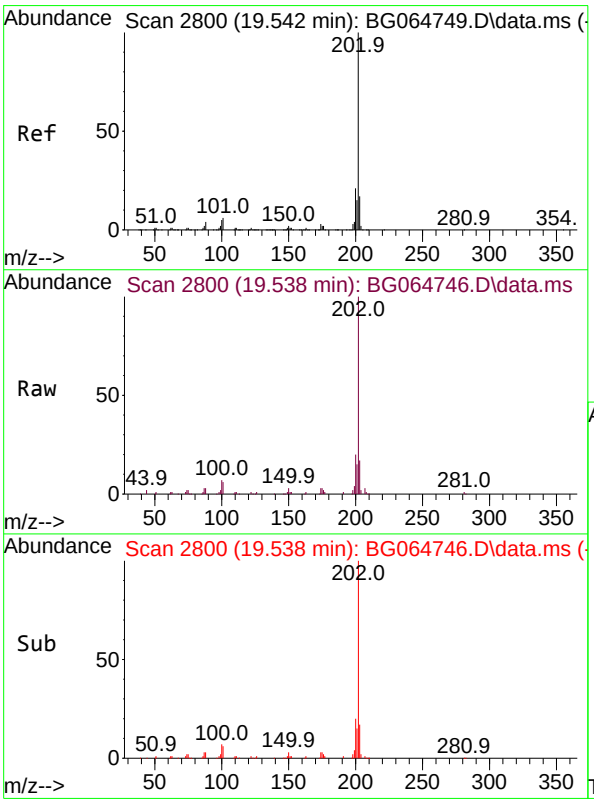
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	5.3	4.4	6.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

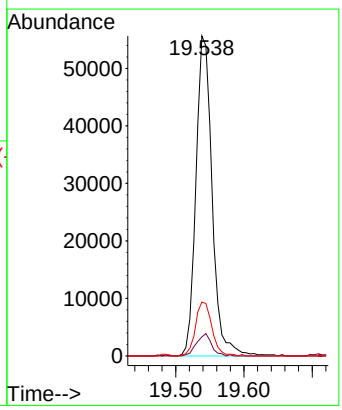
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

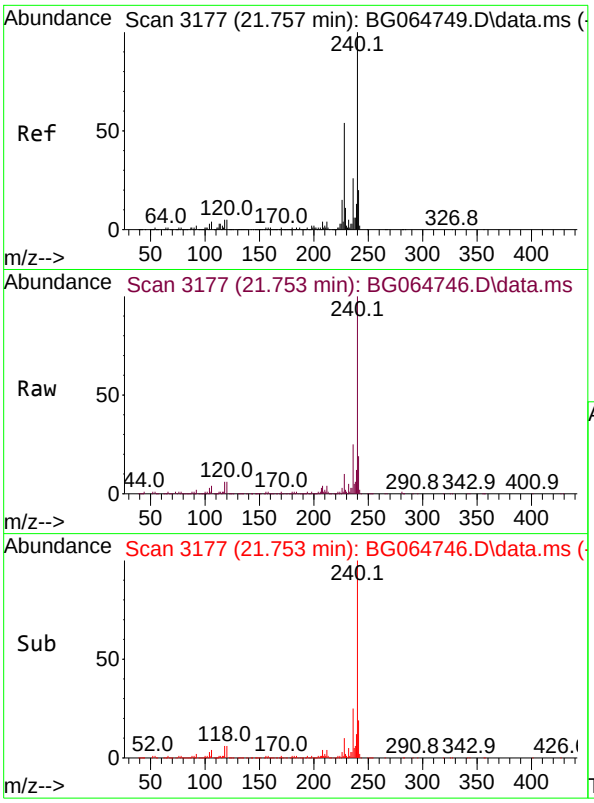


#75
Fluoranthene
Concen: 5.039 ng
RT: 19.538 min Scan# 2800
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:202 Resp: 91935

Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	26.4
203	16.8	0.0	37.5

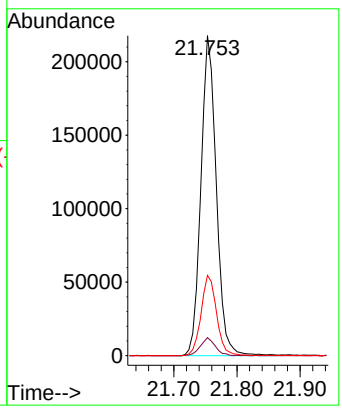




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.753 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:240 Resp: 36776

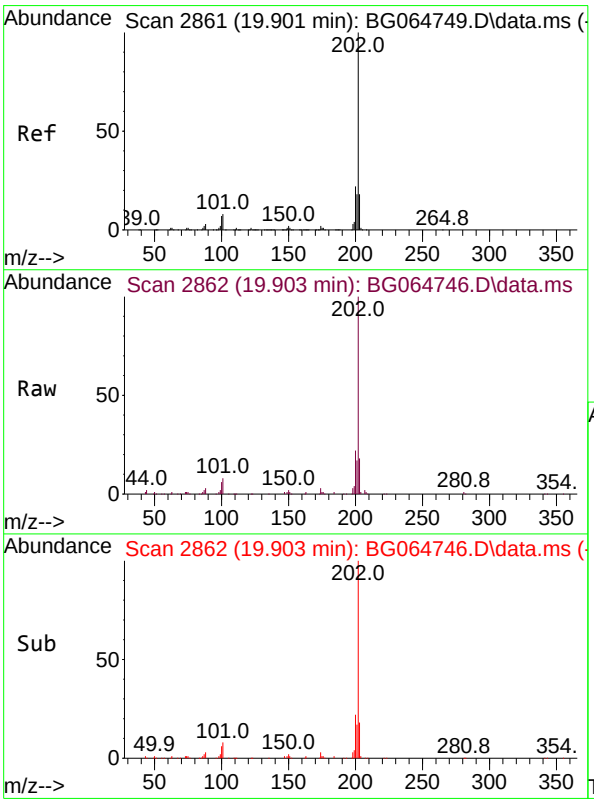
Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.2	6.4
236	25.1	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

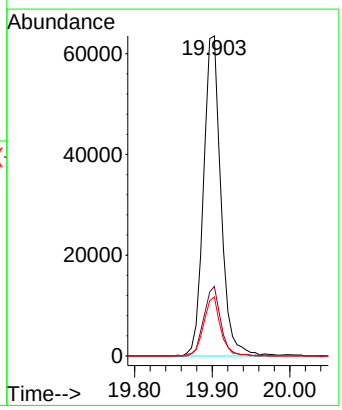
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

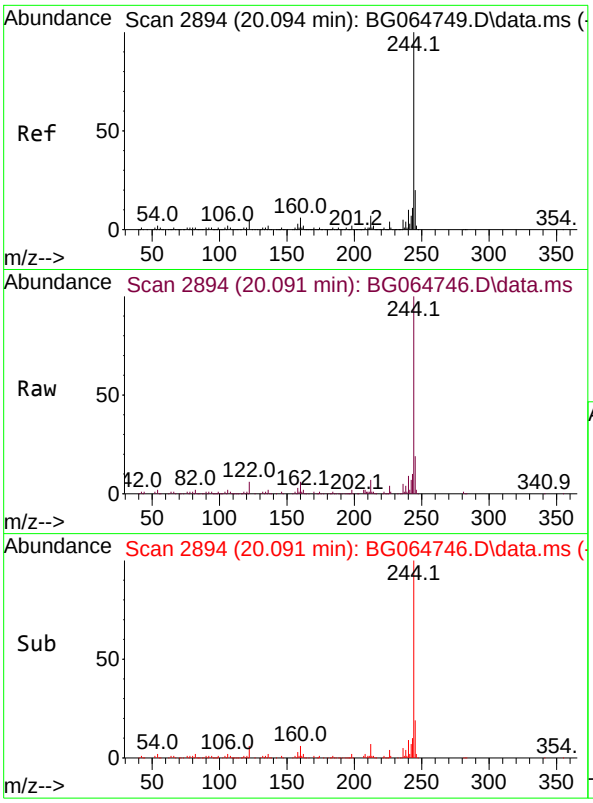


#78
Pyrene
Concen: 4.798 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:202 Resp: 98904

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.9	26.9
203	18.4	14.0	21.0

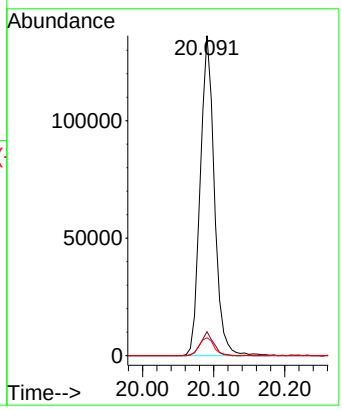




#79
Terphenyl-d14
Concen: 10.008 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:244 Resp: 187118

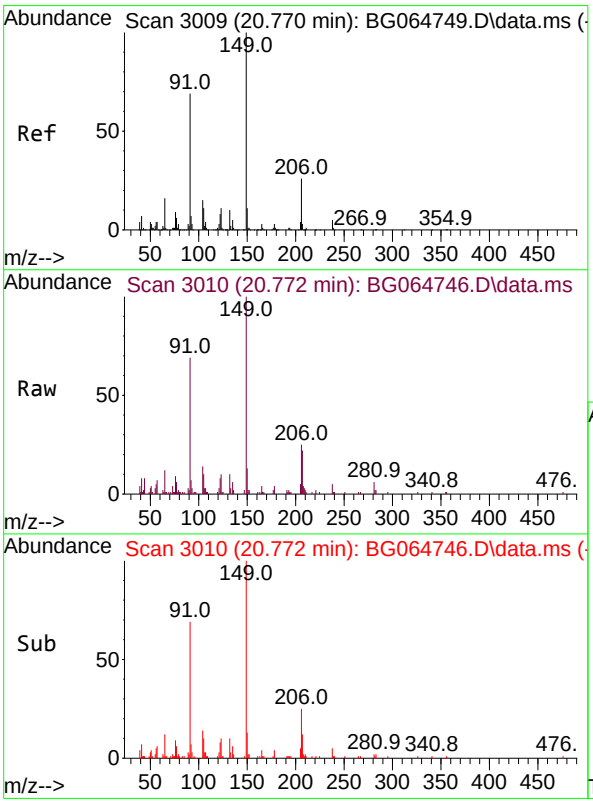
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	5.6	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

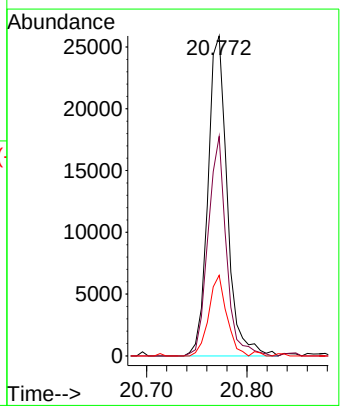
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

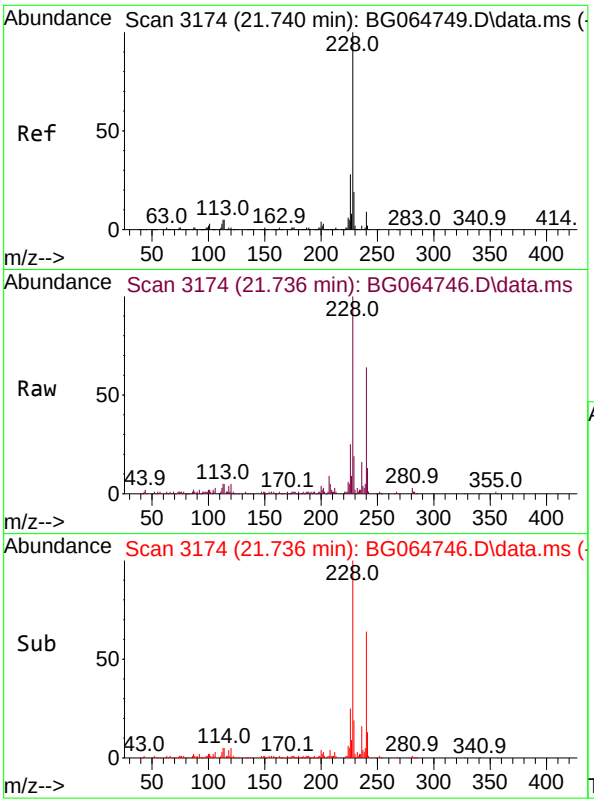


#80
Butylbenzylphthalate
Concen: 4.775 ng
RT: 20.772 min Scan# 3010
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 34617

Ion	Ratio	Lower	Upper
149	100		
91	68.6	54.9	82.3
206	25.2	21.2	31.8

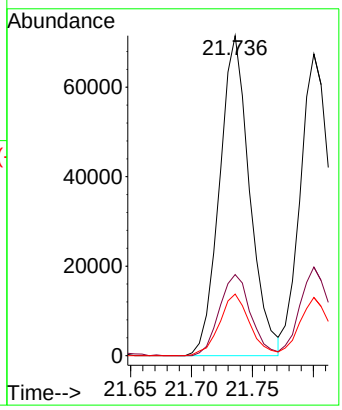




#81
Benzo(a)anthracene
Concen: 4.919 ng
RT: 21.736 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:228 Resp: 12300

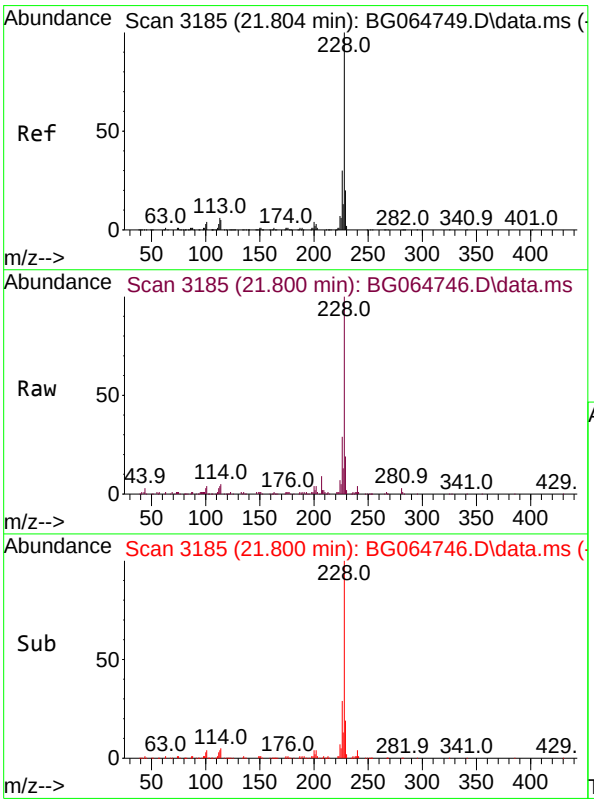
Ion	Ratio	Lower	Upper
228	100		
226	25.3	22.1	33.1
229	19.2	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

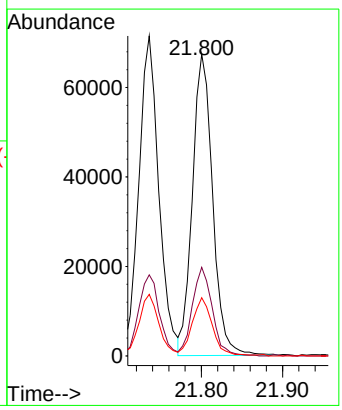
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

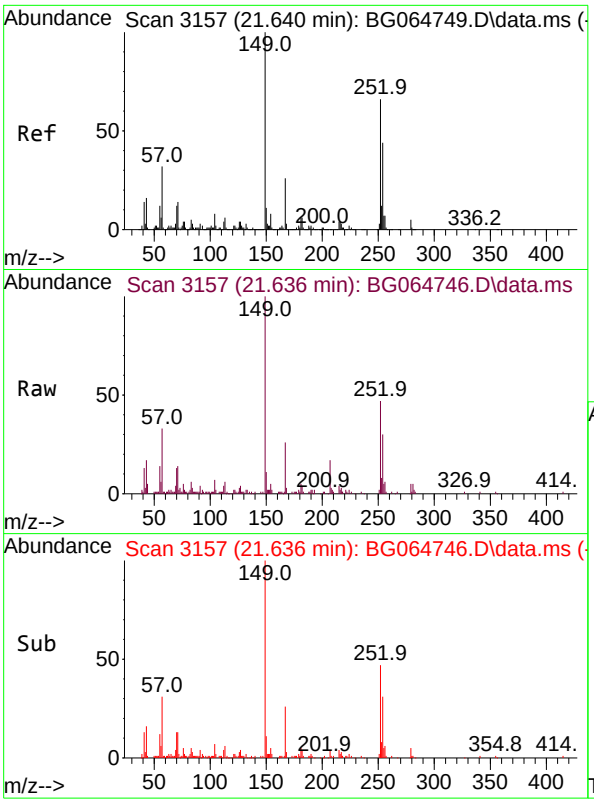


#83
Chrysene
Concen: 4.937 ng
RT: 21.800 min Scan# 3185
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:228 Resp: 116400

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.2
229	19.3	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.050 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

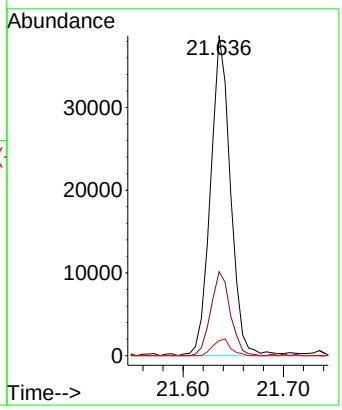
Tgt Ion:149 Resp: 5349

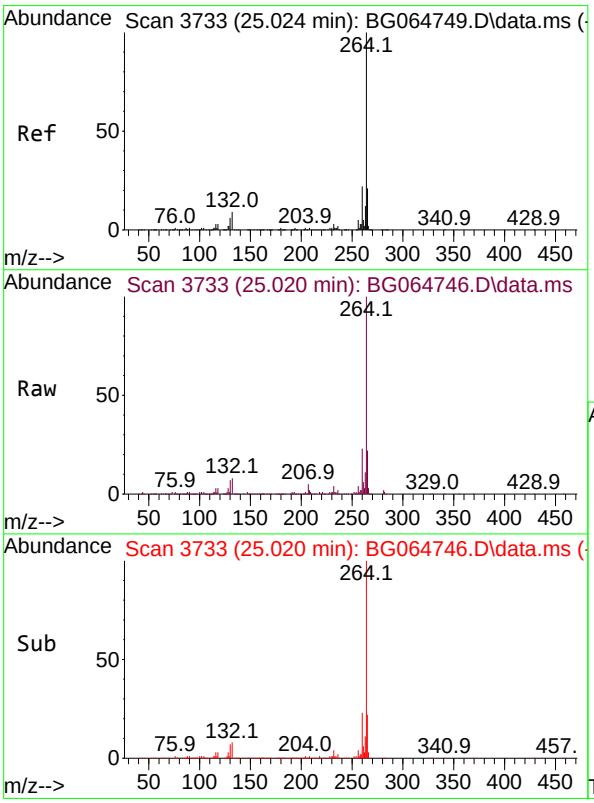
Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	4.7	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

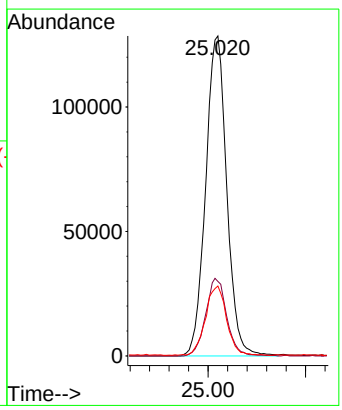


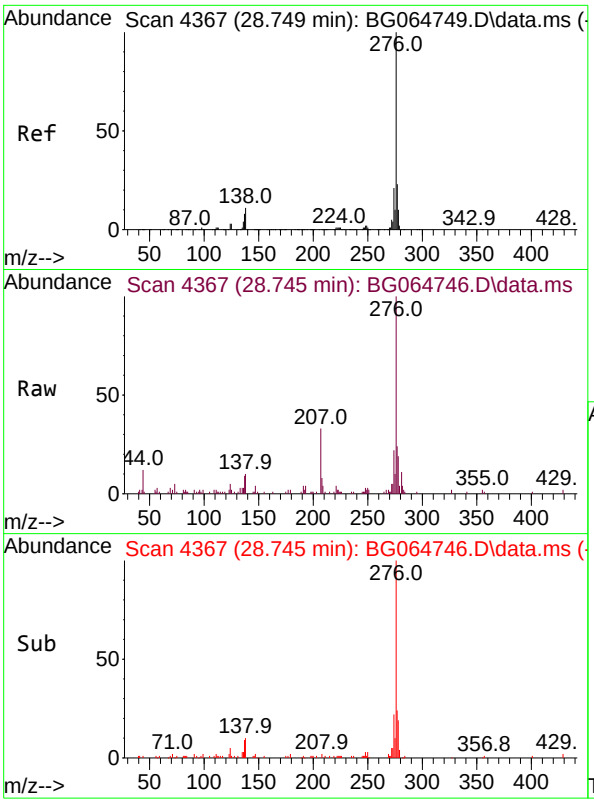


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.020 min Scan# 3733
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:264 Resp: 386937

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.2	25.8
265	21.8	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.593 ng
RT: 28.745 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

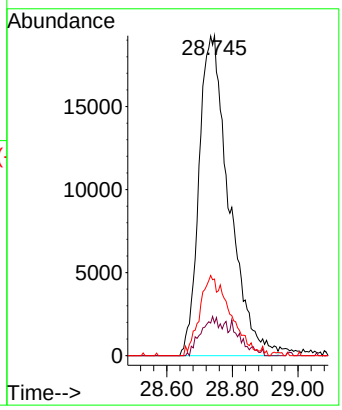
Tgt Ion:276 Resp: 12209

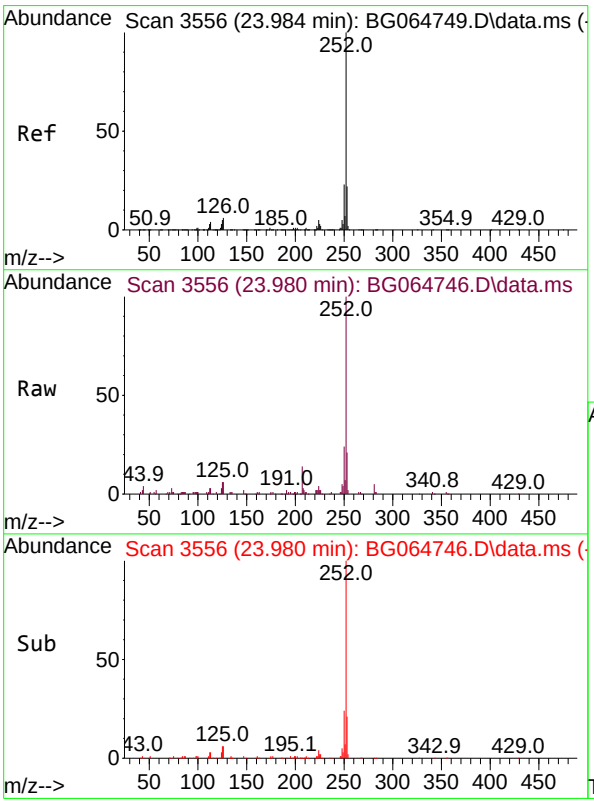
Ion	Ratio	Lower	Upper
276	100		
138	7.8	4.5	6.7
277	25.3	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

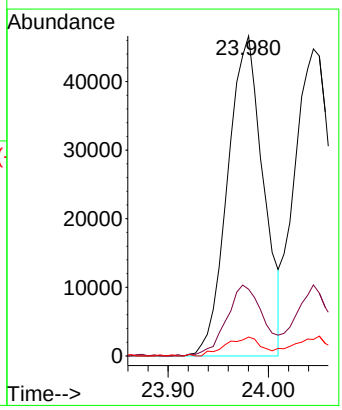


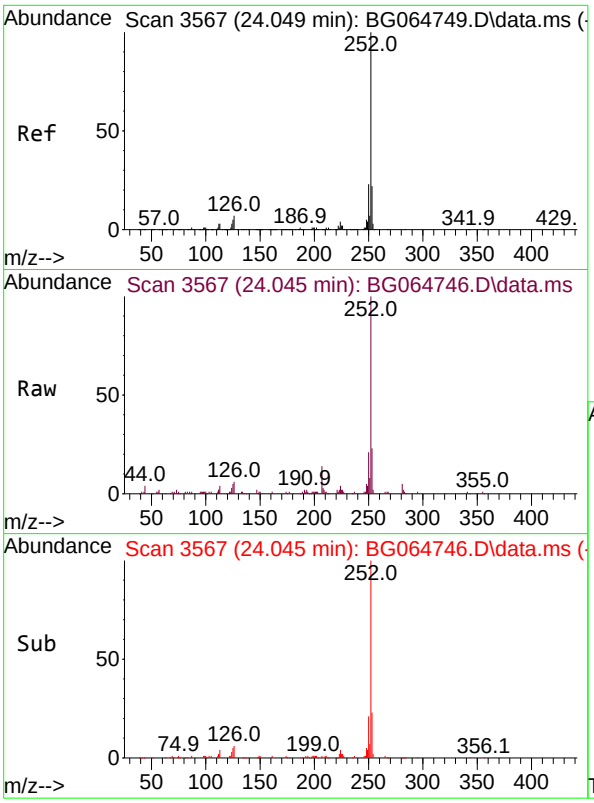


#88
Benzo(b)fluoranthene
Concen: 4.673 ng
RT: 23.980 min Scan# 3556
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 115075

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	5.9	4.2	6.2

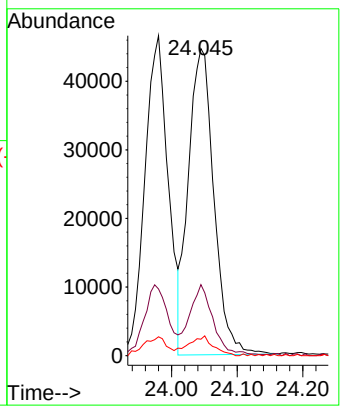




#89
Benzo(k)fluoranthene
Concen: 4.867 ng
RT: 24.045 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 12041

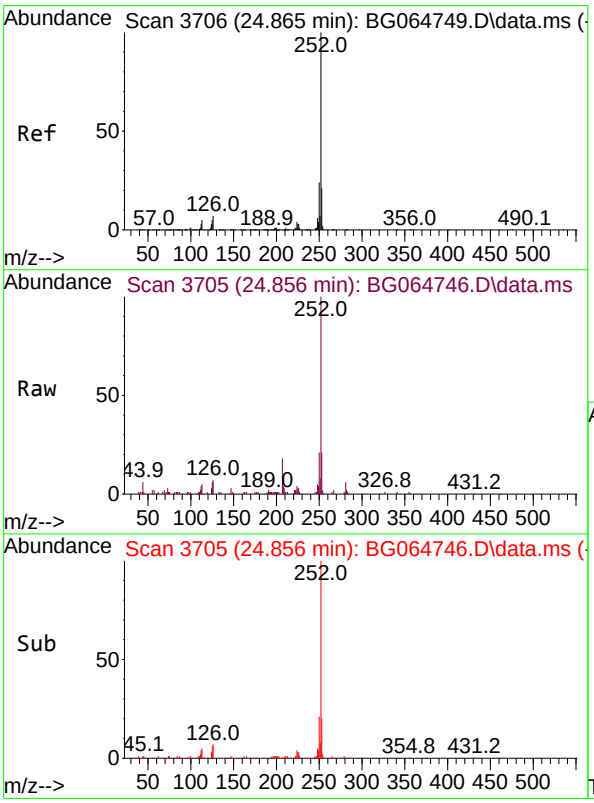
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	5.4	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

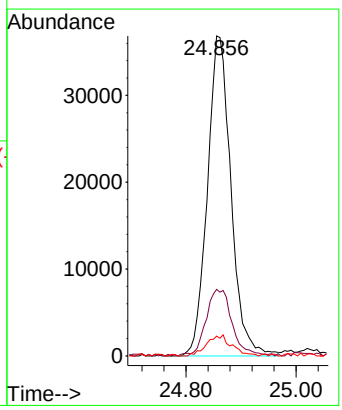
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

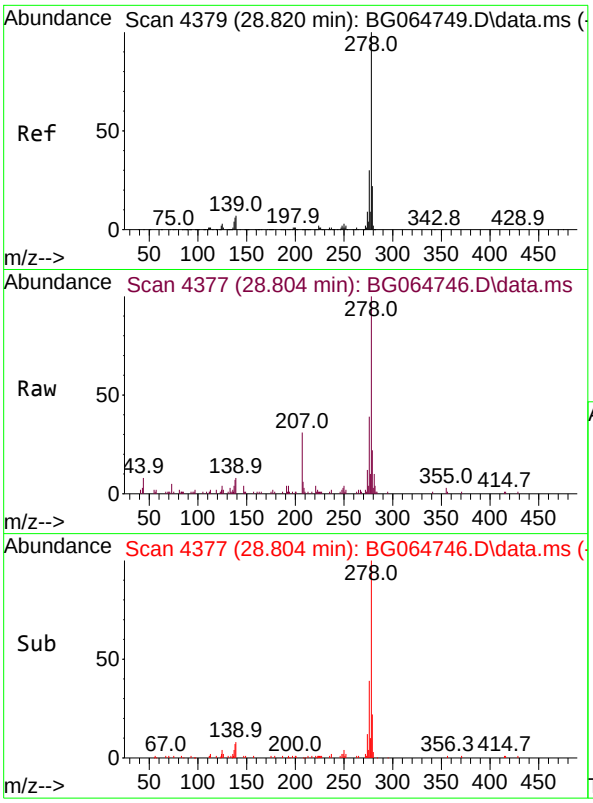


#90
Benzo(a)pyrene
Concen: 4.788 ng
RT: 24.856 min Scan# 3705
Delta R.T. -0.010 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 109366

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.9	25.3
125	6.2	4.2	6.4

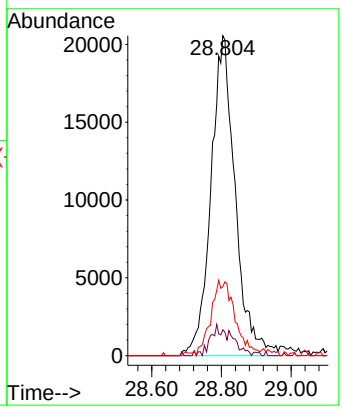




#91
Dibenzo(a,h)anthracene
Concen: 4.556 ng
RT: 28.804 min Scan# 4
Delta R.T. -0.016 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:278 Resp: 9921

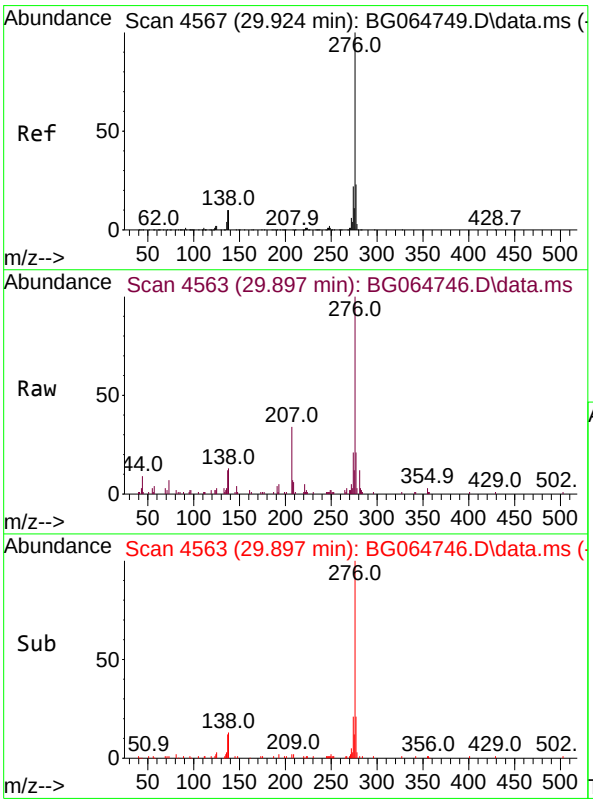
Ion	Ratio	Lower	Upper
278	100		
139	8.1	5.8	8.8
279	21.5	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

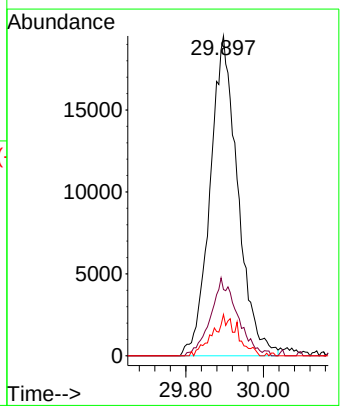
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 4.615 ng
RT: 29.897 min Scan# 4563
Delta R.T. -0.027 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:276 Resp: 96719

Ion	Ratio	Lower	Upper
276	100		
277	20.7	18.0	27.0
138	12.9	8.2	12.2#



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.164	152	28063	20.000	ng		0.00
21) Naphthalene-d8	10.985	136	110132	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	90796	20.000	ng		0.00
64) Phenanthrene-d10	17.506	188	239033	20.000	ng		0.00
76) Chrysene-d12	21.754	240	366018	20.000	ng		0.00
86) Perylene-d12	25.021	264	382667	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	31652	19.695	ng		0.00
7) Phenol-d6	7.307	99	41135	19.245	ng		0.00
23) Nitrobenzene-d5	9.328	82	41577	18.666	ng		0.00
42) 2,4,6-Tribromophenol	16.249	330	34875	19.694	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	131226	20.167	ng		0.00
79) Terphenyl-d14	20.092	244	376175	20.217	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	6388	10.268	ng		97
3) Pyridine	3.946	79	18201	9.819	ng		92
4) n-Nitrosodimethylamine	3.852	42	9221	9.773	ng	#	98
6) Aniline	7.477	93	28080	9.856	ng		98
8) 2-Chlorophenol	7.730	128	17126	9.705	ng		94
9) Benzaldehyde	7.295	77	14410	10.299	ng		96
10) Phenol	7.330	94	22227	9.557	ng		94
11) bis(2-Chloroethyl)ether	7.571	93	16009	9.674	ng		96
12) 1,3-Dichlorobenzene	8.059	146	19968	9.834	ng		98
13) 1,4-Dichlorobenzene	8.206	146	20506	9.918	ng		98
14) 1,2-Dichlorobenzene	8.523	146	19237	9.596	ng		96
15) Benzyl Alcohol	8.394	79	14805	8.438	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.687	45	39228	10.014	ng		96
17) 2-Methylphenol	8.599	107	16118	9.795	ng		97
18) Hexachloroethane	9.263	117	7708	9.843	ng		98
19) n-Nitroso-di-n-propyla...	8.969	70	14240	9.853	ng		94
20) 3+4-Methylphenols	8.928	107	20773	9.215	ng		97
22) Acetophenone	8.987	105	29535	9.843	ng		93
24) Nitrobenzene	9.369	77	21900	9.730	ng		99
25) Isophorone	9.898	82	41875	9.872	ng		96
26) 2-Nitrophenol	10.086	139	9640	9.523	ng		95
27) 2,4-Dimethylphenol	10.139	122	16597	9.228	ng		93
28) bis(2-Chloroethoxy)met...	10.368	93	23070	9.907	ng		97
29) 2,4-Dichlorophenol	10.626	162	18228	9.440	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	22952	9.844	ng		99
31) Naphthalene	11.032	128	64016	10.254	ng		98
32) Benzoic acid	10.233	122	7448m	10.914	ng		
33) 4-Chloroaniline	11.132	127	24891	9.967	ng		97
34) Hexachlorobutadiene	11.325	225	19432	9.713	ng		97
35) Caprolactam	11.878	113	4958	8.592	ng	#	92
36) 4-Chloro-3-methylphenol	12.236	107	21366	9.942	ng		95
37) 2-Methylnaphthalene	12.624	142	46349	9.921	ng		97
38) 1-Methylnaphthalene	12.841	142	46327m	9.982	ng		
40) 1,2,4,5-Tetrachloroben...	12.988	216	33859	9.582	ng		96
41) Hexachlorocyclopentadiene	12.971	237	21693	8.565	ng		91
43) 2,4,6-Trichlorophenol	13.217	196	19600	9.451	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.288	196	20868	8.972	ng		93
46)	1,1'-Biphenyl	13.617	154	64329	9.864	ng		97
47)	2-Chloronaphthalene	13.664	162	50487	9.827	ng		98
48)	2-Nitroaniline	13.852	65	15648	9.469	ng		87
49)	Acenaphthylene	14.498	152	87532	9.973	ng		99
50)	Dimethylphthalate	14.216	163	71209	9.928	ng		97
51)	2,6-Dinitrotoluene	14.334	165	12760	9.246	ng		92
52)	Acenaphthene	14.839	154	50131	9.526	ng		98
53)	3-Nitroaniline	14.663	138	12586	9.240	ng		87
54)	2,4-Dinitrophenol	14.874	184	2717	11.149	ng	#	84
55)	Dibenzofuran	15.168	168	90369	10.387	ng		97
56)	4-Nitrophenol	14.951	139	8225	7.611	ng	#	83
57)	2,4-Dinitrotoluene	15.115	165	19317	9.336	ng		95
58)	Fluorene	15.814	166	71244	10.441	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.391	232	21790	9.495	ng	#	97
60)	Diethylphthalate	15.568	149	69072	10.053	ng		97
61)	4-Chlorophenyl-phenyle...	15.803	204	42098	10.280	ng		98
62)	4-Nitroaniline	15.814	138	13078	9.268	ng		95
63)	Azobenzene	16.090	77	58632	10.260	ng		98
65)	4,6-Dinitro-2-methylph...	15.873	198	8710	6.563	ng		92
66)	n-Nitrosodiphenylamine	16.014	169	63405	10.127	ng		96
67)	4-Bromophenyl-phenylether	16.696	248	31456	10.021	ng		96
68)	Hexachlorobenzene	16.813	284	37251	9.795	ng		93
69)	Atrazine	16.948	200	30006	9.940	ng		96
70)	Pentachlorophenol	17.154	266	10561	10.475	ng		95
71)	Phenanthrene	17.548	178	133643	10.219	ng		99
72)	Anthracene	17.636	178	134138	10.059	ng		99
73)	Carbazole	17.900	167	117923	10.286	ng		99
74)	Di-n-butylphthalate	18.452	149	132248	10.340	ng		99
75)	Fluoranthene	19.539	202	186154	10.409	ng		99
77)	Benzidine	19.710	184	123305	11.249	ng		96
78)	Pyrene	19.898	202	199370	9.719	ng		97
80)	Butylbenzylphthalate	20.773	149	71488	9.908	ng		95
81)	Benzo(a)anthracene	21.737	228	250849	10.079	ng		99
82)	3,3'-Dichlorobenzidine	21.643	252	91769	10.018	ng		100
83)	Chrysene	21.801	228	236517	10.080	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.637	149	106405	10.092	ng		97
85)	Di-n-octyl phthalate	22.865	149	181658	9.967	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.740	276	253326	9.636	ng	#	98
88)	Benzo(b)fluoranthene	23.981	252	239260	9.825	ng		99
89)	Benzo(k)fluoranthene	24.046	252	248008	10.137	ng		100
90)	Benzo(a)pyrene	24.863	252	224991	9.960	ng		98
91)	Dibenzo(a,h)anthracene	28.805	278	208966	9.702	ng	#	96
92)	Benzo(g,h,i)perylene	29.904	276	199793	9.639	ng	#	96

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

ICAL Form

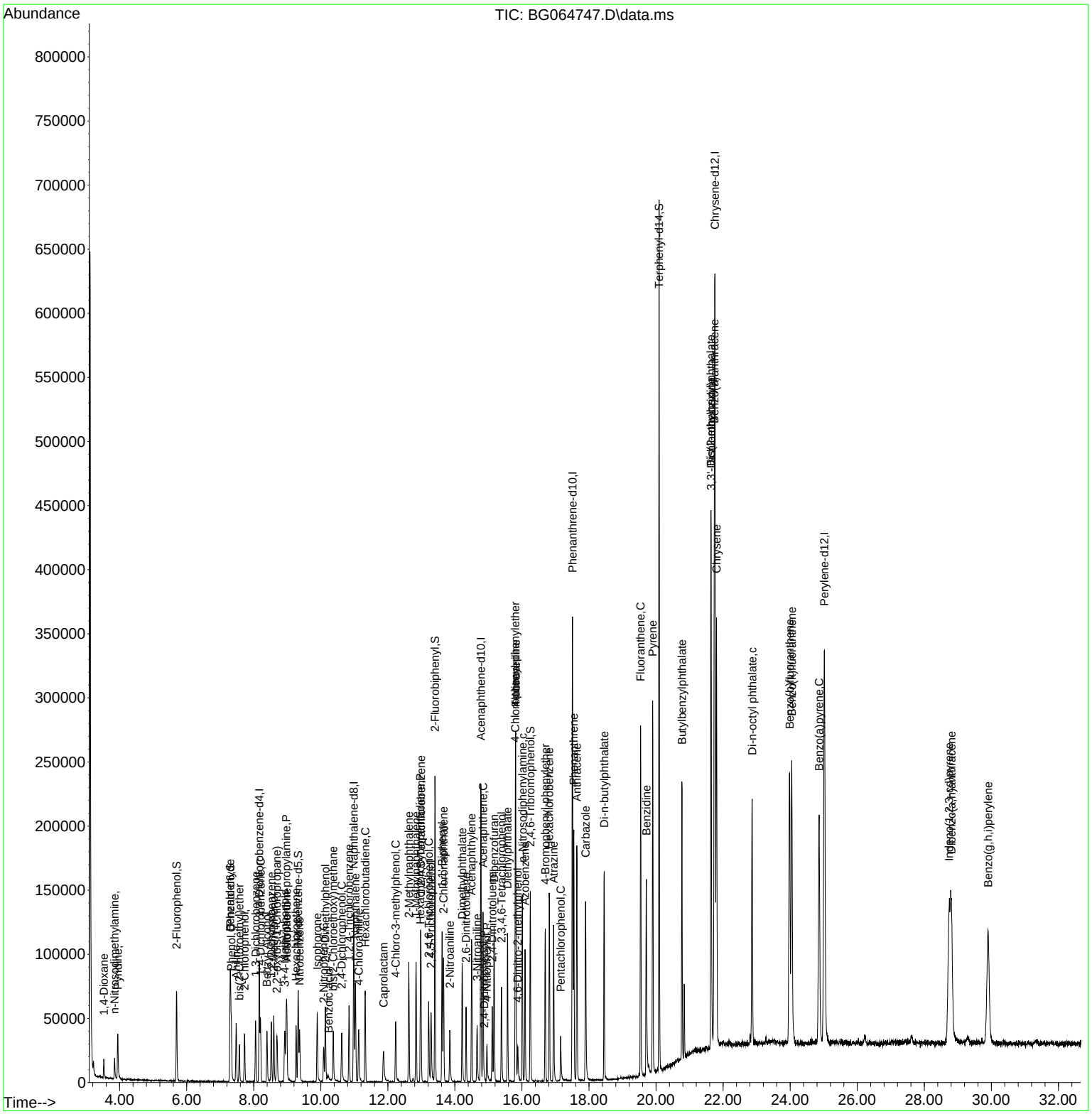
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

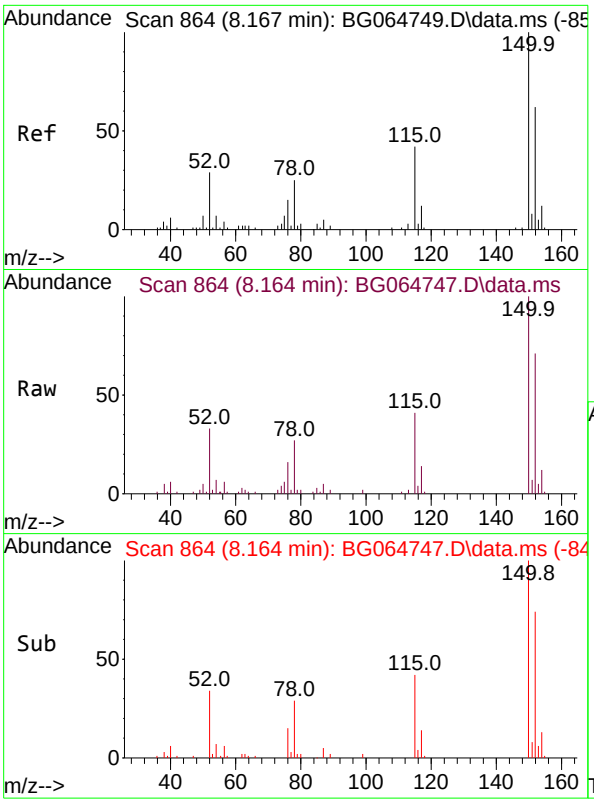
Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

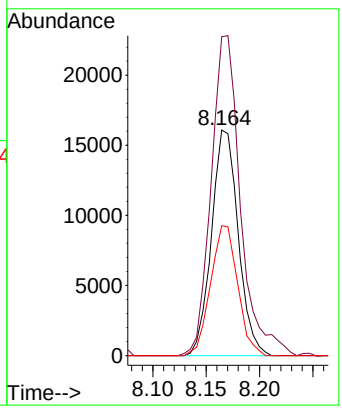




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:152 Resp: 2806

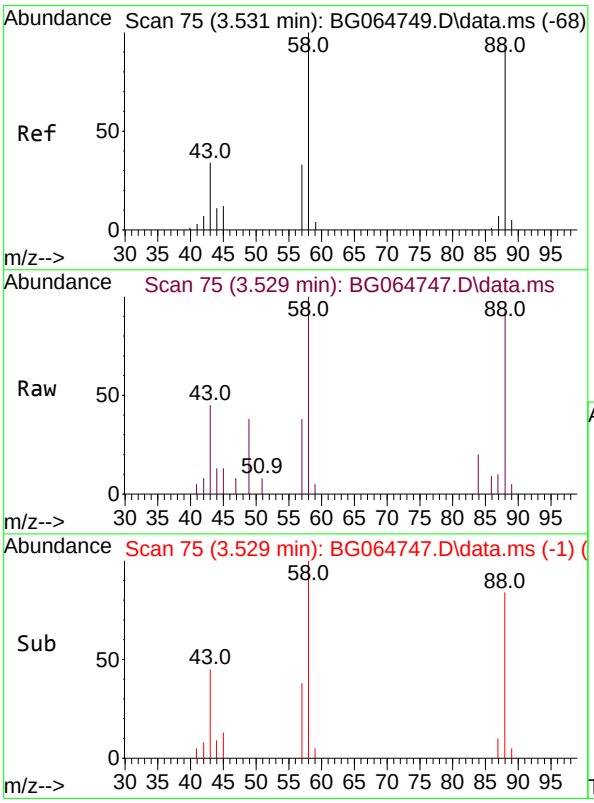
Ion	Ratio	Lower	Upper
152	100		
150	141.4	129.2	193.8
115	57.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

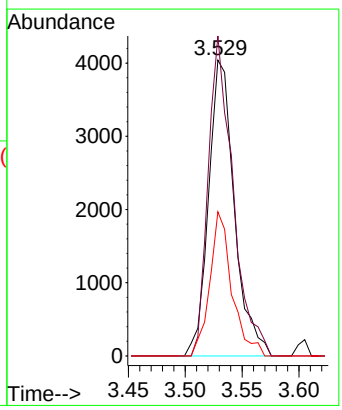
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

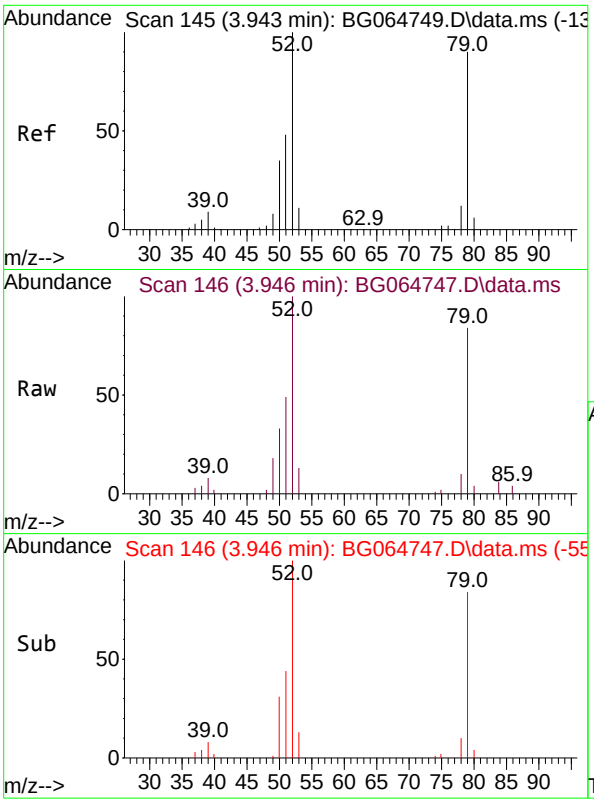


#2
1,4-Dioxane
Concen: 10.268 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 88 Resp: 6388

Ion	Ratio	Lower	Upper
88	100		
58	103.7	84.6	126.8
43	41.7	30.0	45.0





#3
Pyridine
Concen: 9.819 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

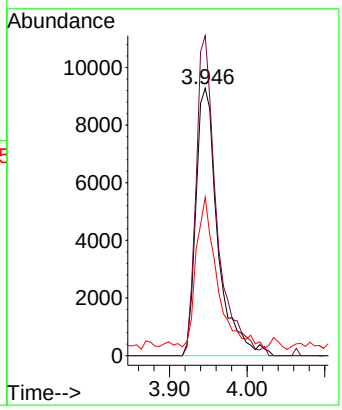
Tgt Ion: 79 Resp: 1820

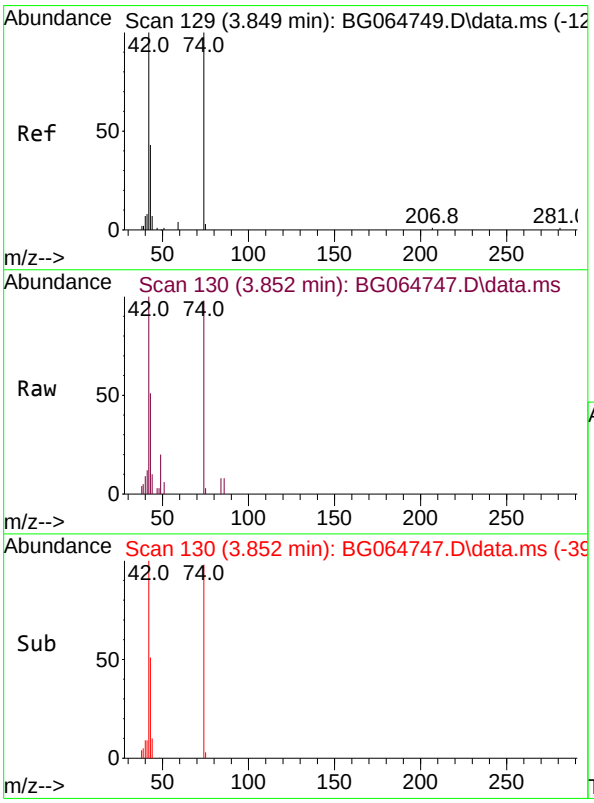
Ion	Ratio	Lower	Upper
79	100		
52	119.7	89.0	133.4
51	59.2	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

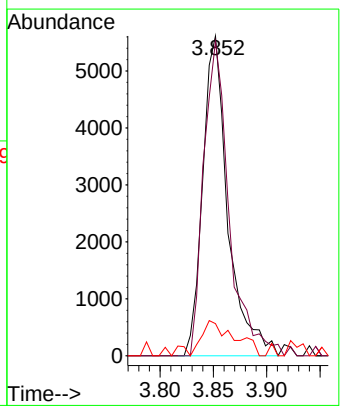


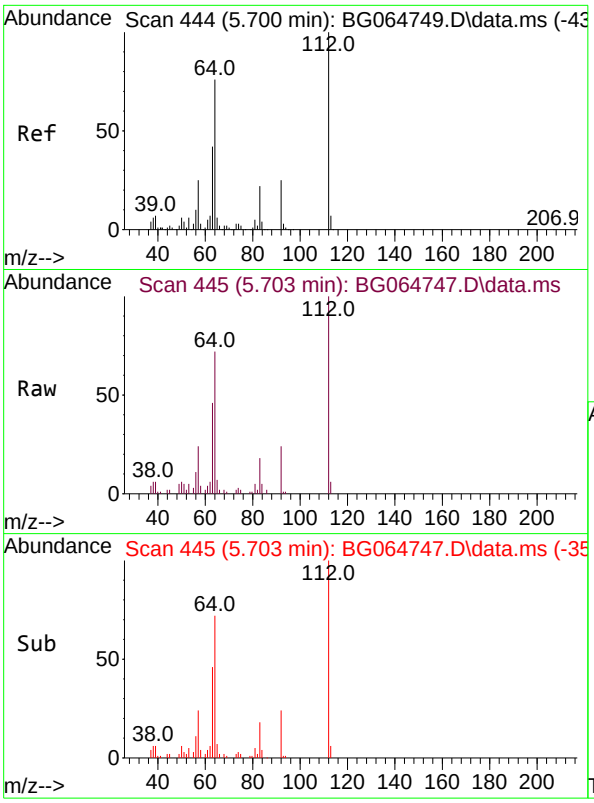


#4
n-Nitrosodimethylamine
Concen: 9.773 ng
RT: 3.852 min Scan# 130
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 42 Resp: 9221

Ion	Ratio	Lower	Upper
42	100		
74	98.3	79.8	119.6
44	10.1	5.9	8.9#





#5
2-Fluorophenol
Concen: 19.695 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

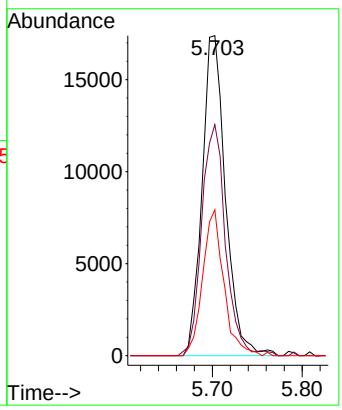
Tgt Ion:112 Resp: 3165

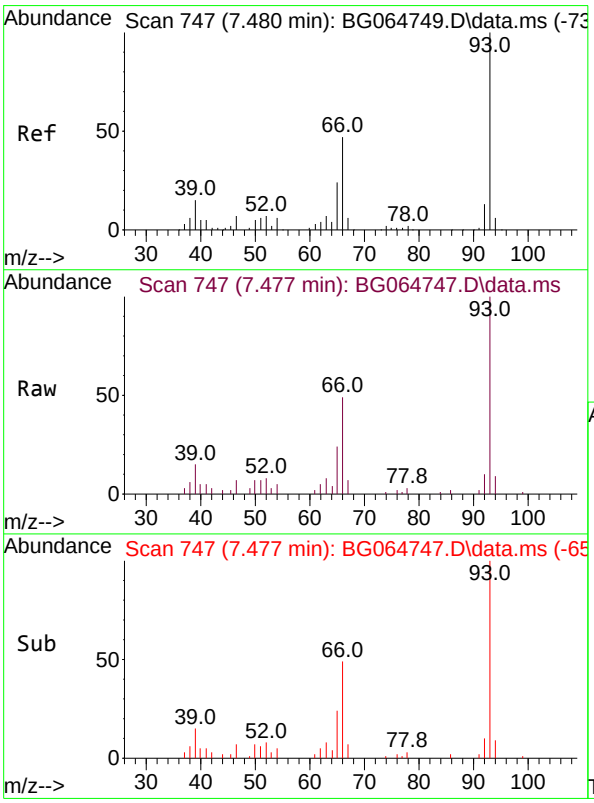
Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	45.6	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

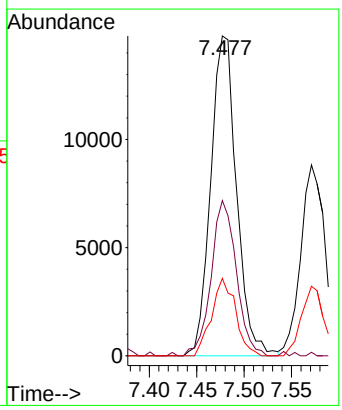


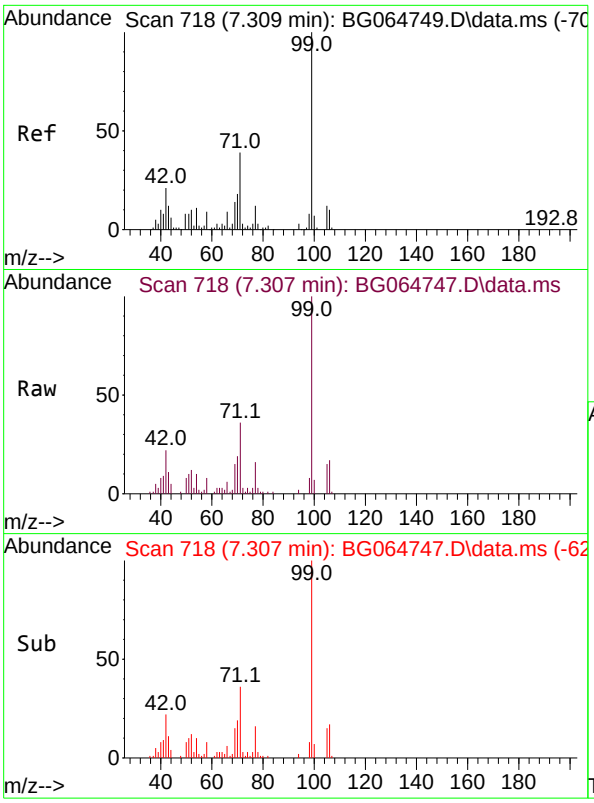


#6
Aniline
Concen: 9.856 ng
RT: 7.477 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 28080

Ion	Ratio	Lower	Upper
93	100		
66	48.5	37.7	56.5
65	24.2	19.1	28.7

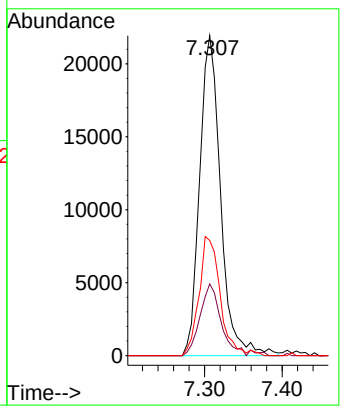




#7
Phenol-d6
Concen: 19.245 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 99 Resp: 4113

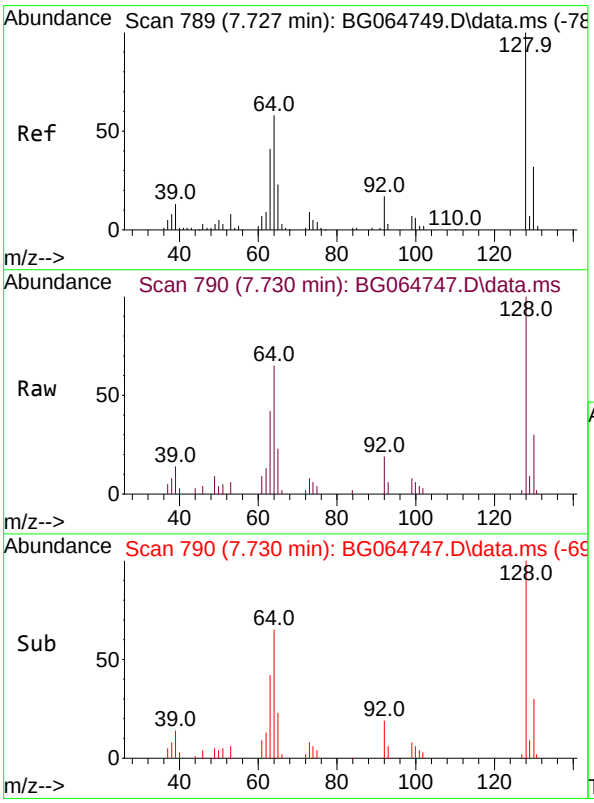
Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	36.0	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

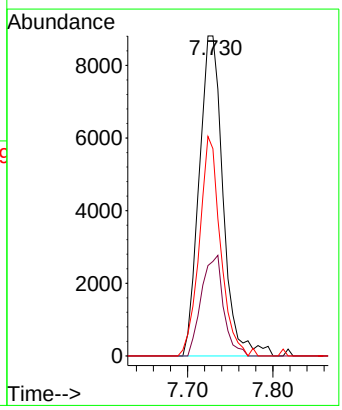
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

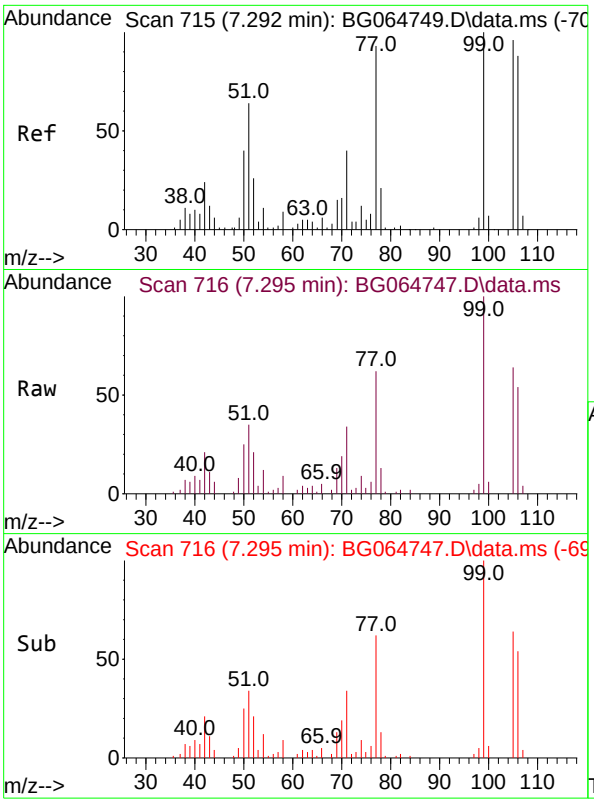


#8
2-Chlorophenol
Concen: 9.705 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:128 Resp: 17126

Ion	Ratio	Lower	Upper
128	100		
130	31.3	11.9	51.9
64	64.7	38.4	78.4

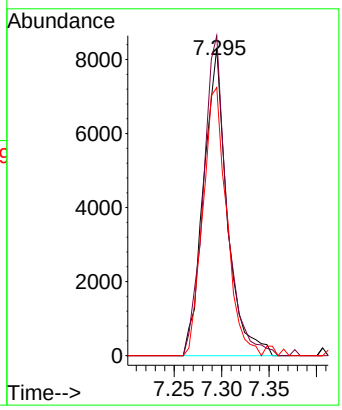




#9
Benzaldehyde
Concen: 10.299 ng
RT: 7.295 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 1441

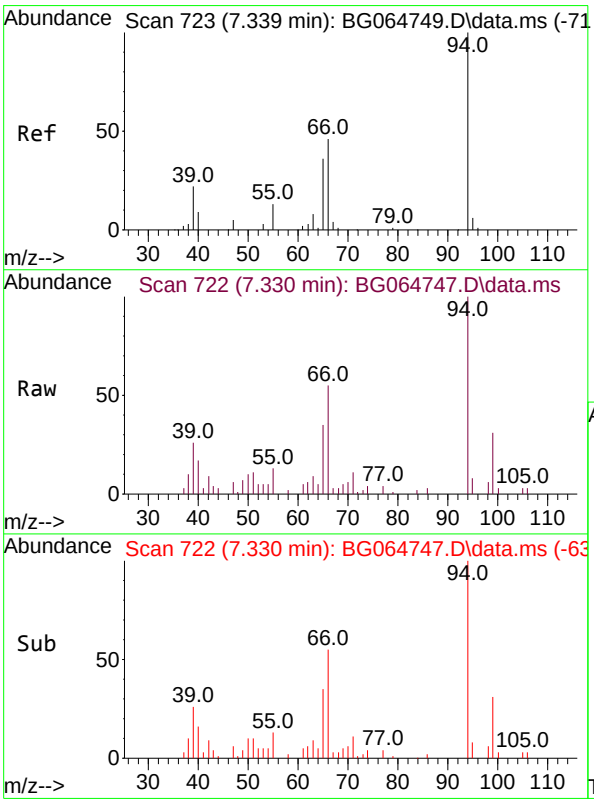
Ion	Ratio	Lower	Upper
77	100		
105	104.0	83.8	123.8
106	87.1	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

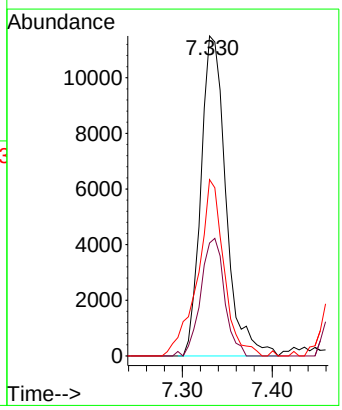
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

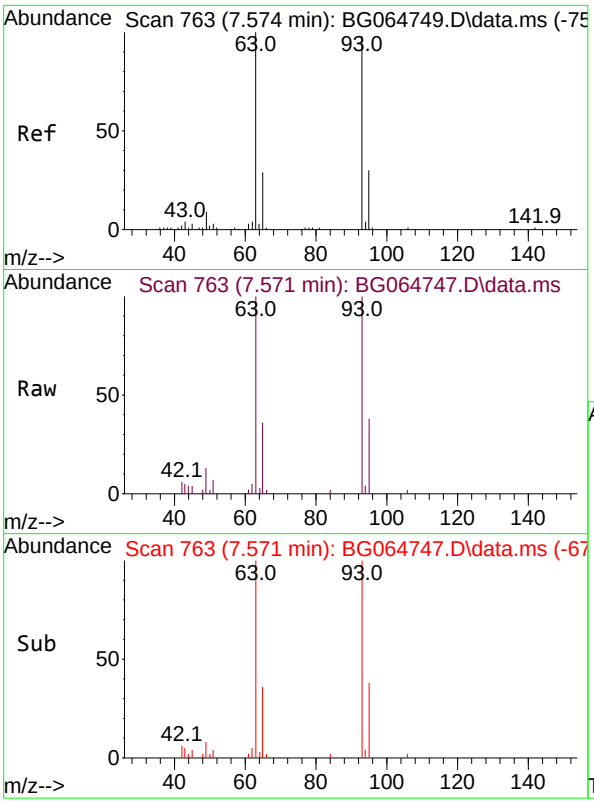


#10
Phenol
Concen: 9.557 ng
RT: 7.330 min Scan# 722
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 94 Resp: 22227

Ion	Ratio	Lower	Upper
94	100		
65	35.3	17.0	57.0
66	55.1	29.8	69.8

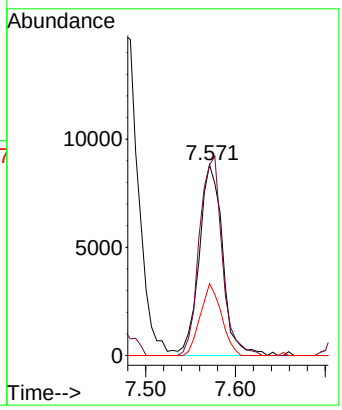




#11
bis(2-Chloroethyl)ether
Concen: 9.674 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 1600

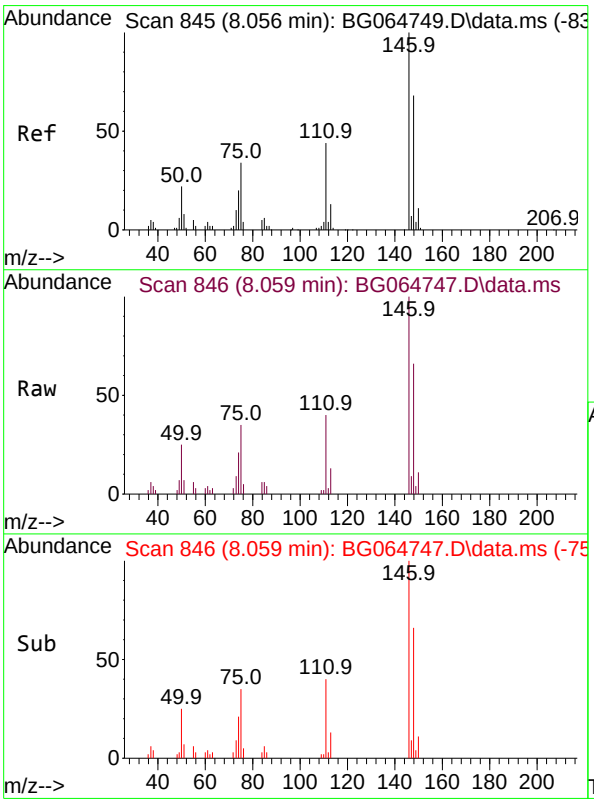
Ion	Ratio	Lower	Upper
93	100		
63	100.0	81.8	121.8
95	37.7	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

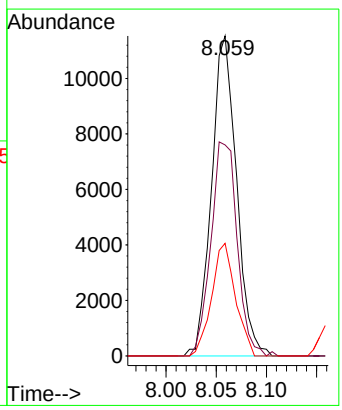
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

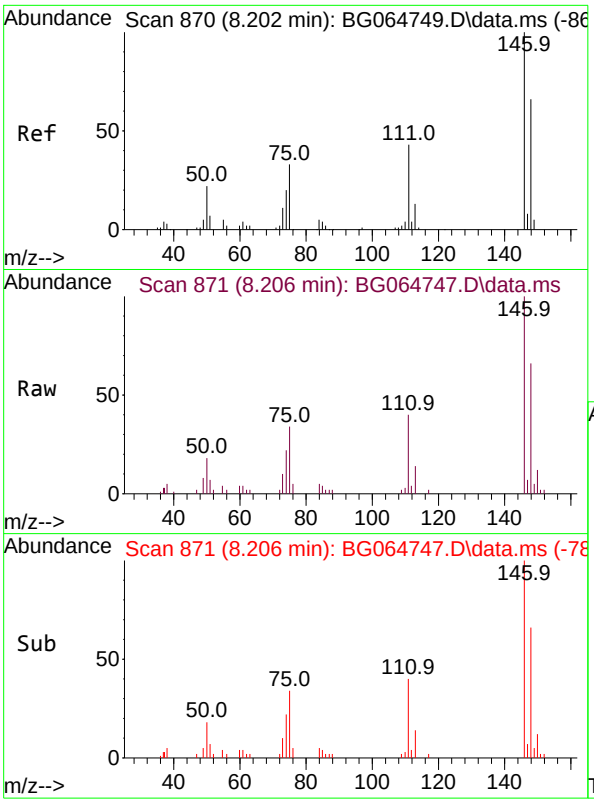


#12
1,3-Dichlorobenzene
Concen: 9.834 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 19968

Ion	Ratio	Lower	Upper
146	100		
148	65.9	54.6	82.0
75	35.2	27.6	41.4

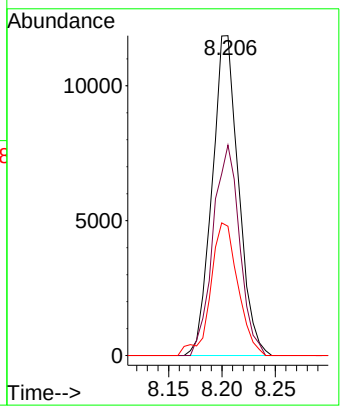




#13
1,4-Dichlorobenzene
Concen: 9.918 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 2050

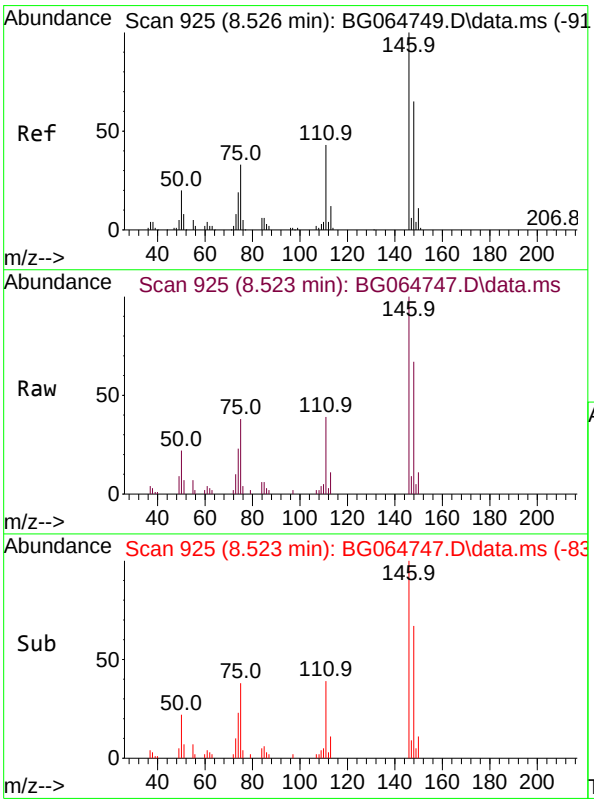
Ion	Ratio	Lower	Upper
146	100		
148	65.8	53.1	79.7
111	40.4	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

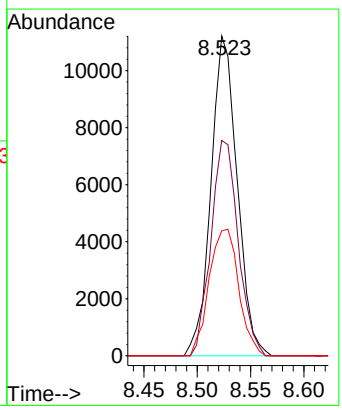
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

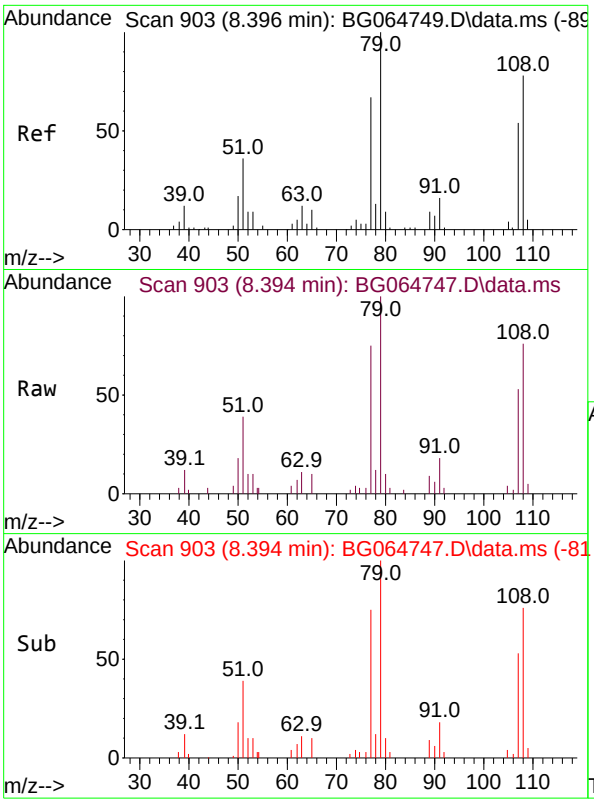


#14
1,2-Dichlorobenzene
Concen: 9.596 ng
RT: 8.523 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 19237

Ion	Ratio	Lower	Upper
146	100		
148	67.3	52.0	78.0
111	39.1	34.7	52.1





#15
Benzyl Alcohol
Concen: 8.438 ng
RT: 8.394 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

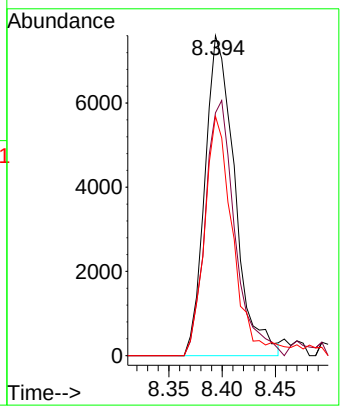
Tgt Ion: 79 Resp: 1480

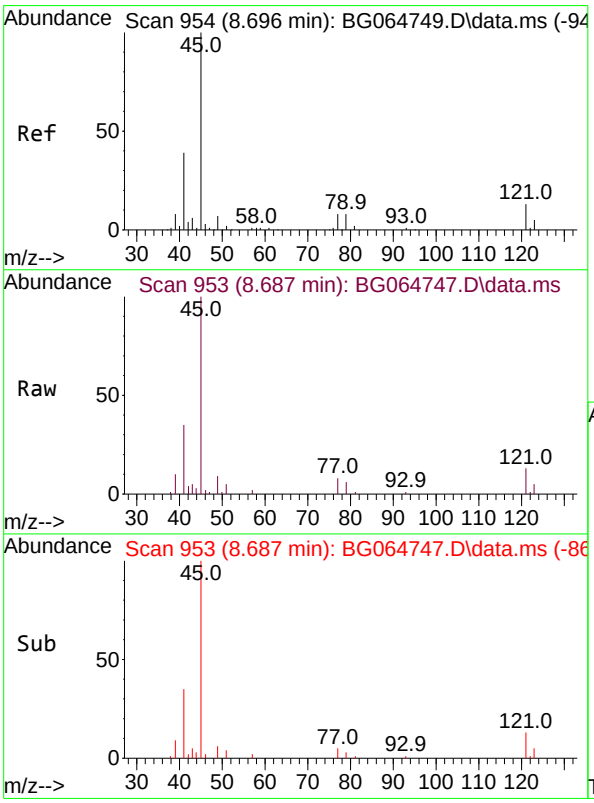
Ion	Ratio	Lower	Upper
79	100		
108	75.9	62.3	93.5
77	74.8	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

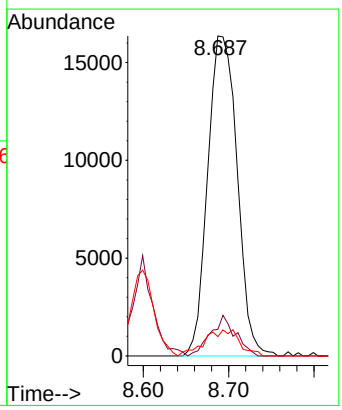


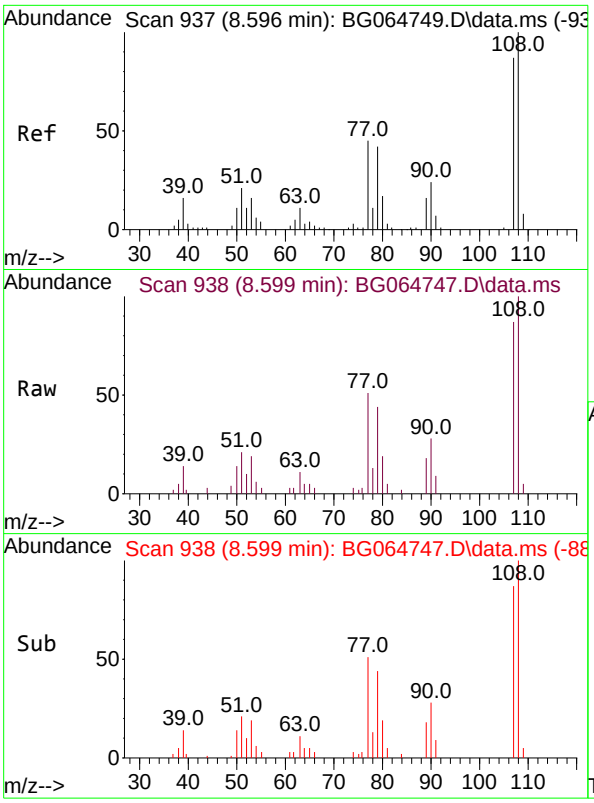


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.014 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 45 Resp: 39228

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.8
79	6.0	0.0	28.1

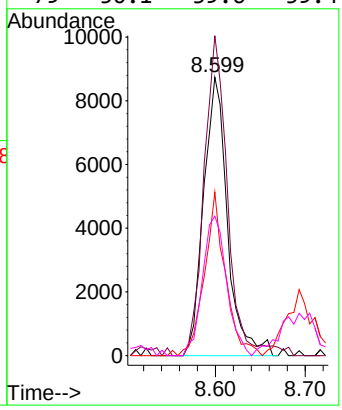




#17
2-Methylphenol
Concen: 9.795 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 1611

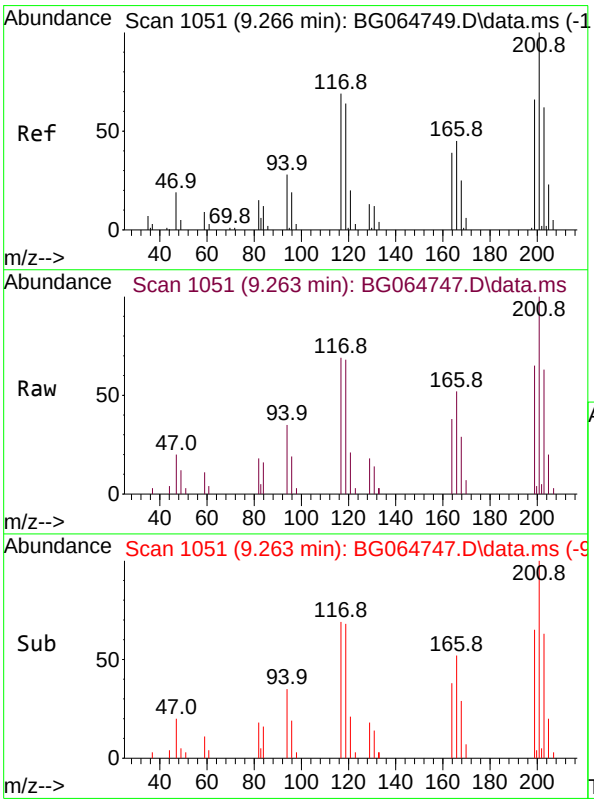
Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.6	138.8
77	58.7	41.2	61.8
79	50.1	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

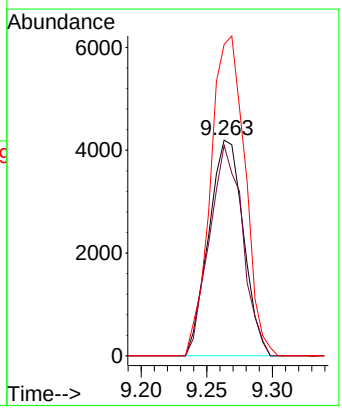
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

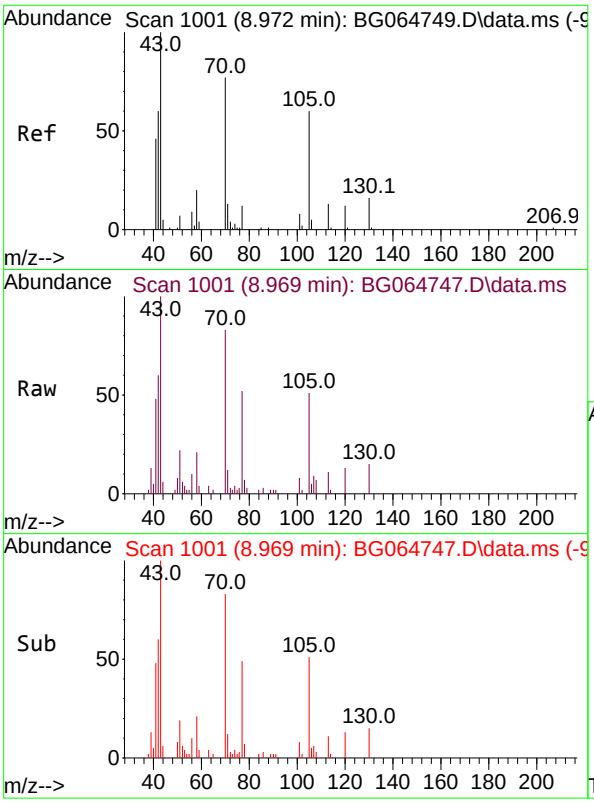


#18
Hexachloroethane
Concen: 9.843 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:117 Resp: 7708

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.4	111.6
201	144.4	116.5	174.7

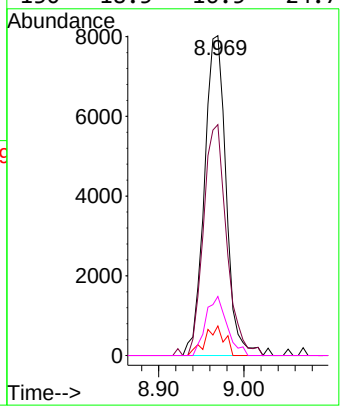




#19
n-Nitroso-di-n-propylamine
Concen: 9.853 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 70 Resp: 1424

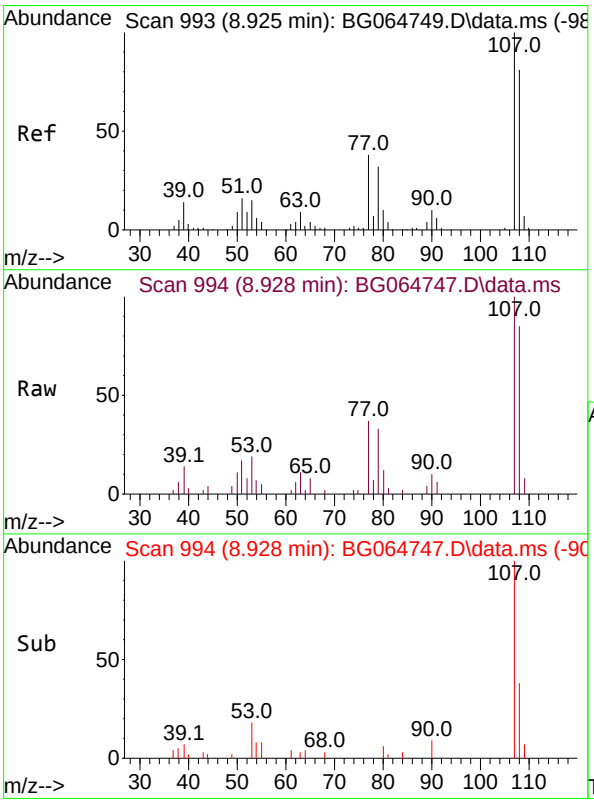
Ion	Ratio	Lower	Upper
70	100		
42	72.2	62.6	93.8
101	9.3	8.0	12.0
130	18.5	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

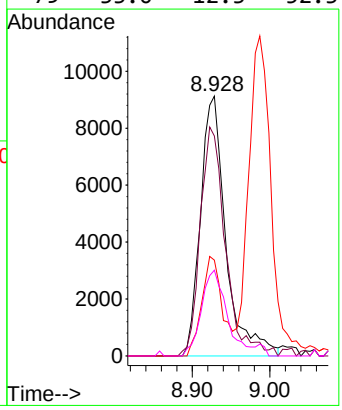
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

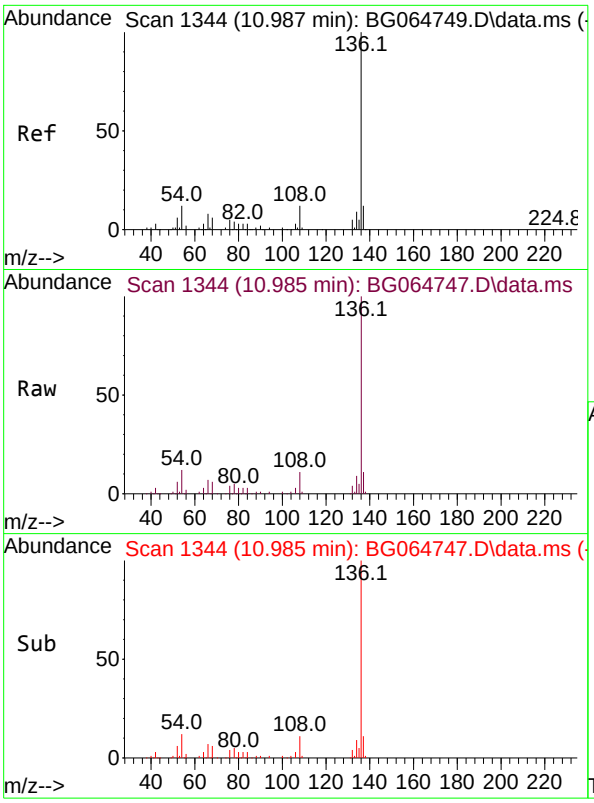


#20
3+4-Methylphenols
Concen: 9.215 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 20773

Ion	Ratio	Lower	Upper
107	100		
108	84.7	61.0	101.0
77	36.8	17.6	57.6
79	33.0	12.3	52.3

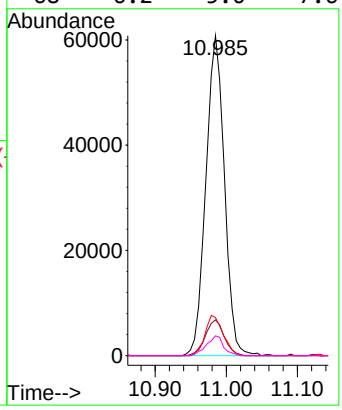




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:136 Resp: 11013

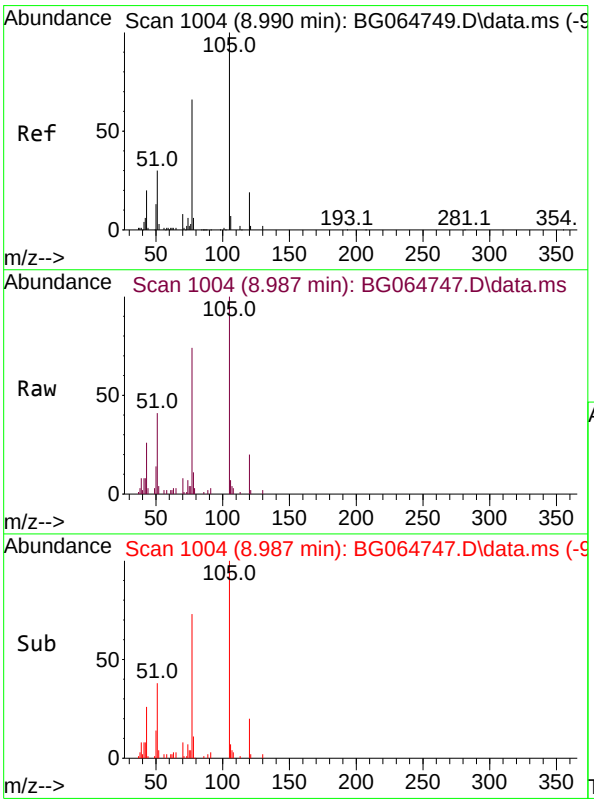
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	11.9	9.3	13.9
68	6.2	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

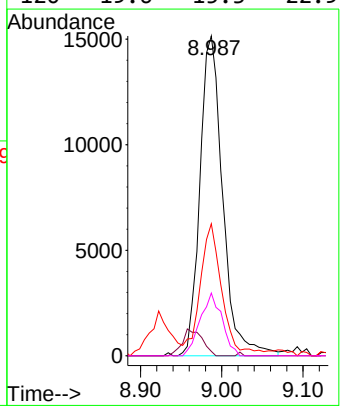
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

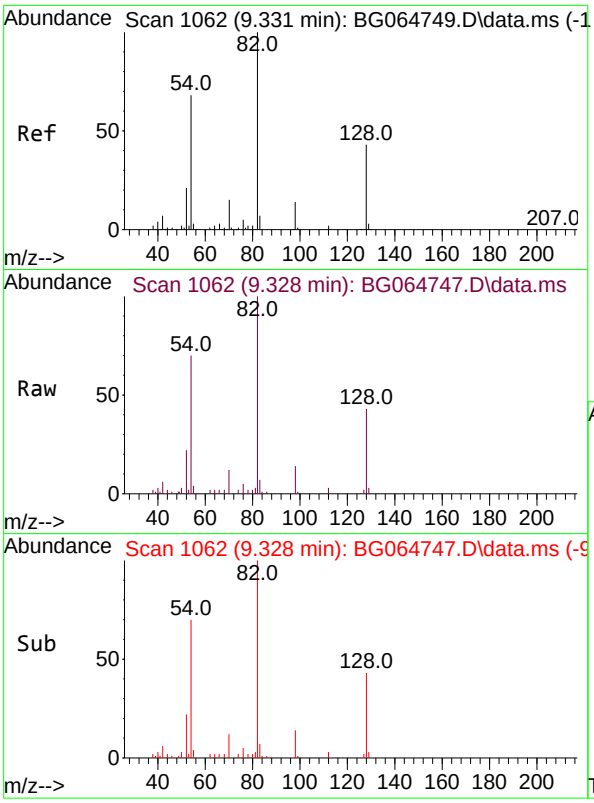


#22
Acetophenone
Concen: 9.843 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:105 Resp: 29535

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.3	1.9
51	41.3	27.9	41.9
120	19.6	15.3	22.9

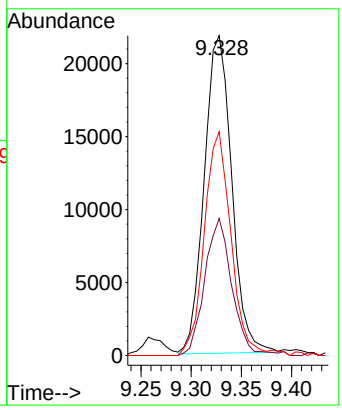




#23
Nitrobenzene-d5
Concen: 18.666 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 82 Resp: 4157

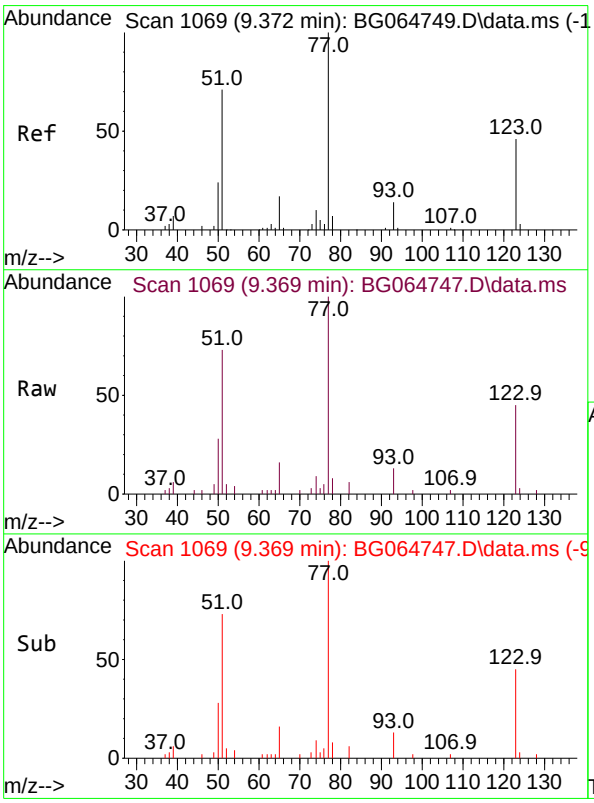
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.1	51.1
54	70.0	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

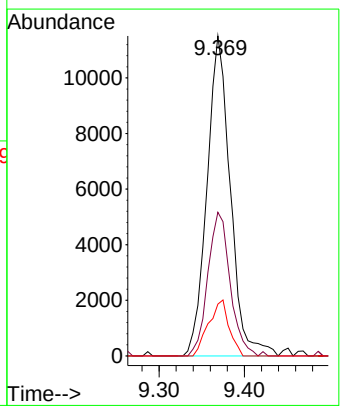
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

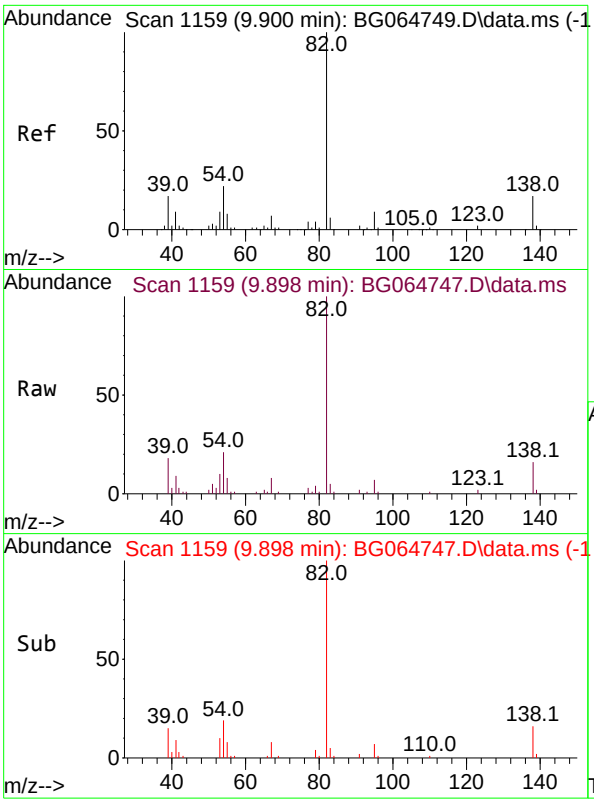


#24
Nitrobenzene
Concen: 9.730 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 21900

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.5	54.7
65	16.2	13.5	20.3





#25
Isophorone
Concen: 9.872 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

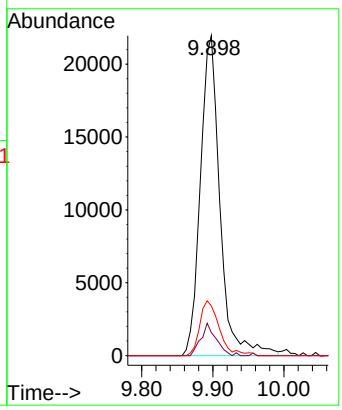
Tgt Ion: 82 Resp: 4187

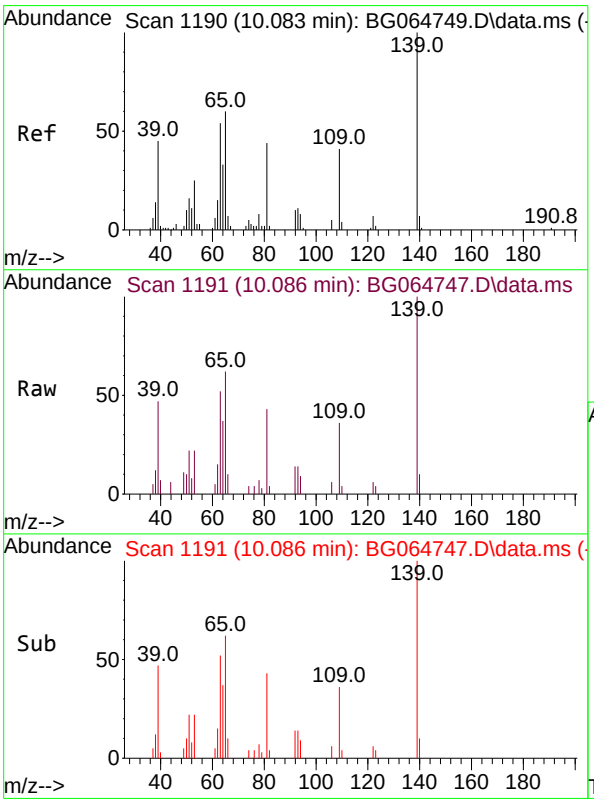
Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.9	10.3
138	15.5	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

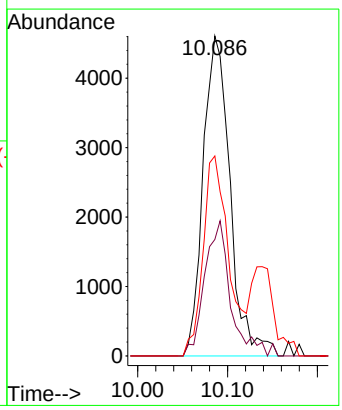


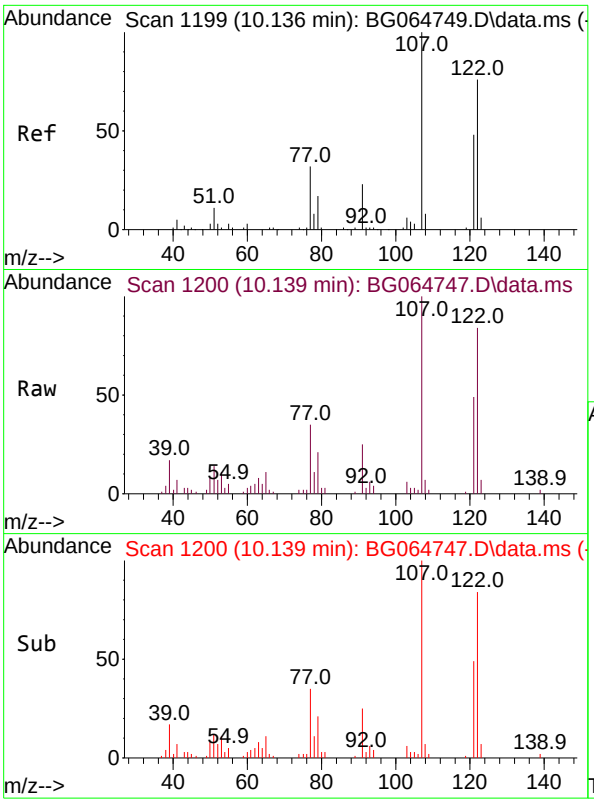


#26
2-Nitrophenol
Concen: 9.523 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:139 Resp: 9640

Ion	Ratio	Lower	Upper
139	100		
109	36.4	32.5	48.7
65	62.5	47.6	71.4

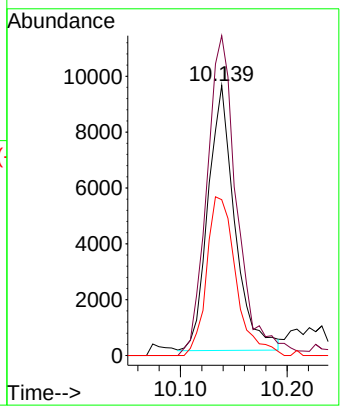




#27
2,4-Dimethylphenol
Concen: 9.228 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:122 Resp: 1659

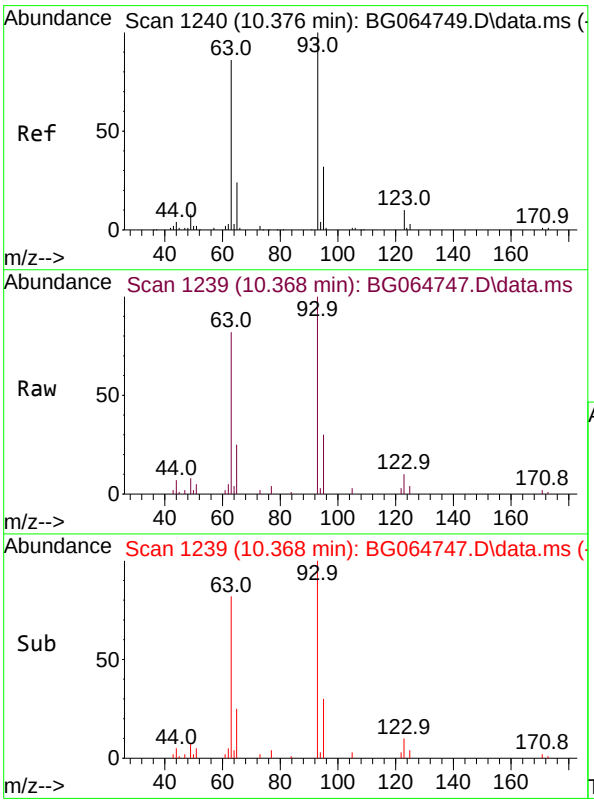
Ion	Ratio	Lower	Upper
122	100		
107	118.4	102.5	153.7
121	57.7	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

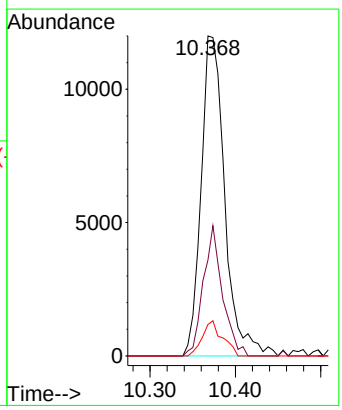
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

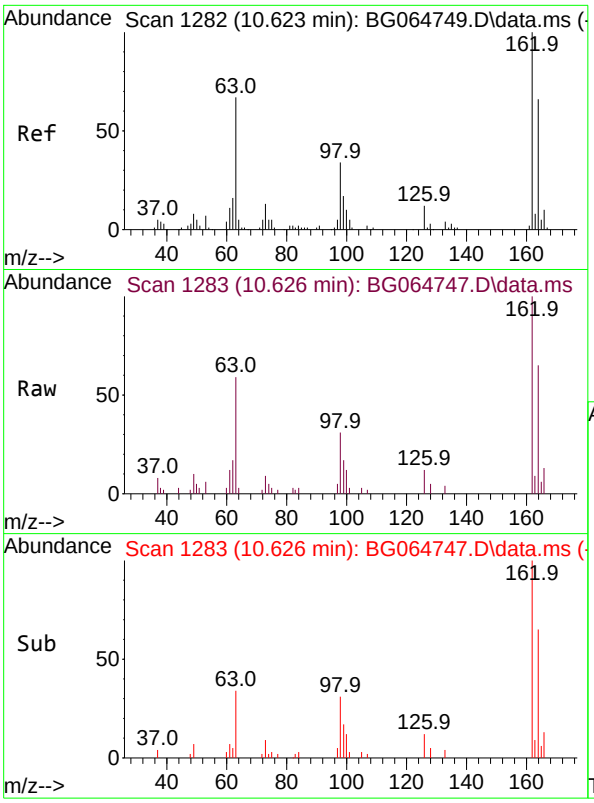


#28
bis(2-Chloroethoxy)methane
Concen: 9.907 ng
RT: 10.368 min Scan# 1239
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 23070

Ion	Ratio	Lower	Upper
93	100		
95	30.0	25.4	38.2
123	9.8	8.1	12.1





#29
2,4-Dichlorophenol
Concen: 9.440 ng
RT: 10.626 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

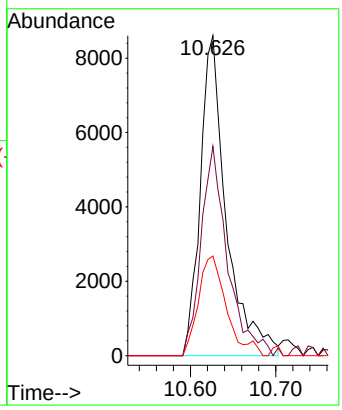
Tgt Ion:162 Resp: 1822

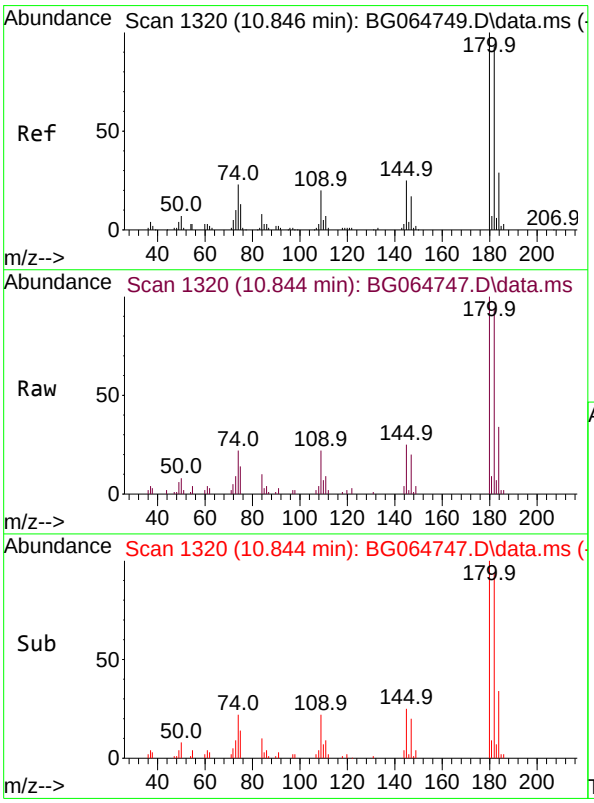
Ion	Ratio	Lower	Upper
162	100		
164	65.4	46.0	86.0
98	31.1	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

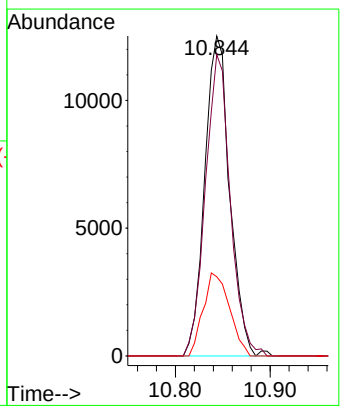


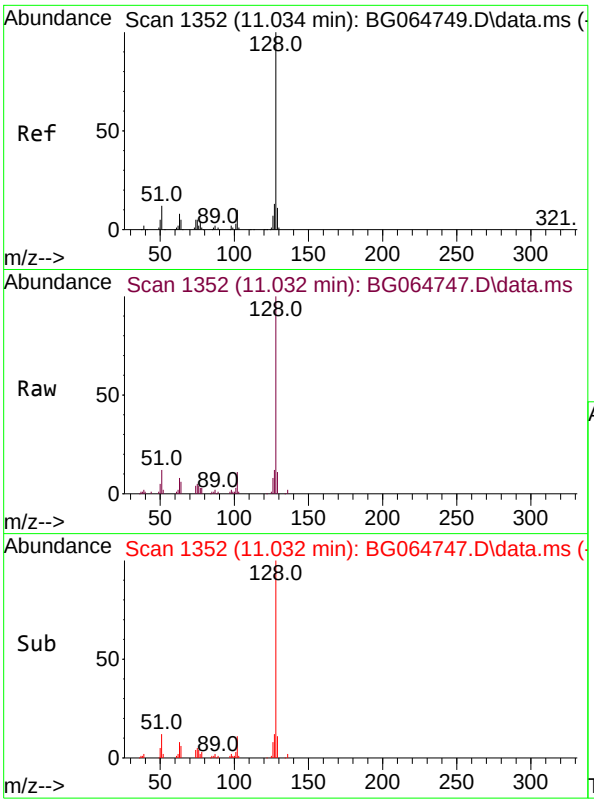


#30
1,2,4-Trichlorobenzene
Concen: 9.844 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:180 Resp: 22952

Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.2	111.4
145	24.7	20.0	30.0

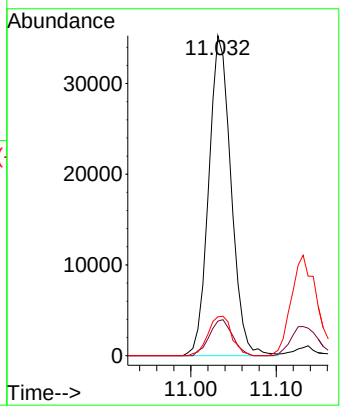




#31
Naphthalene
Concen: 10.254 ng
RT: 11.032 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:128 Resp: 6401

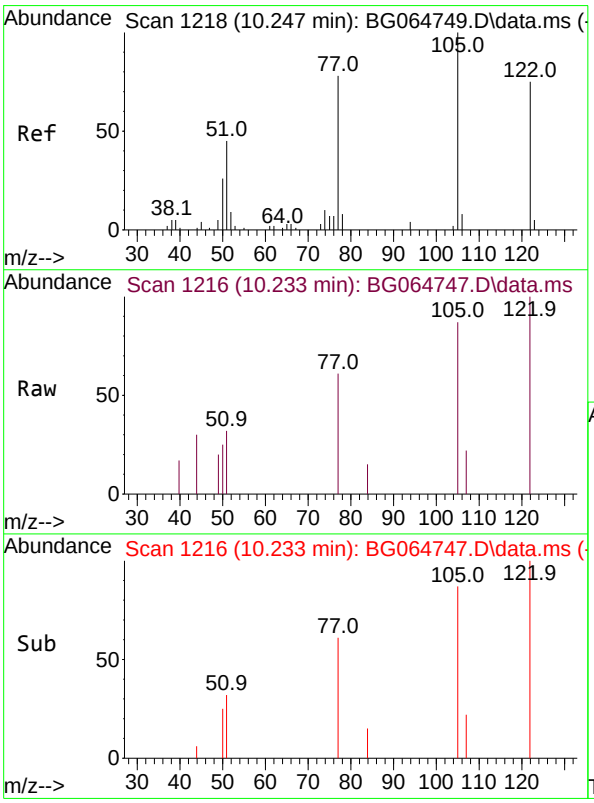
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	12.1	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

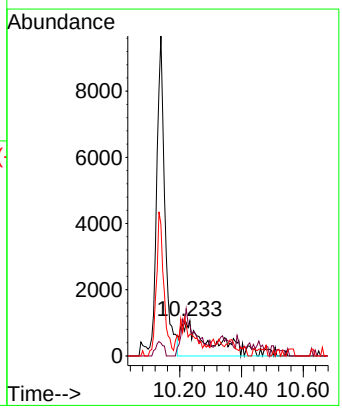
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

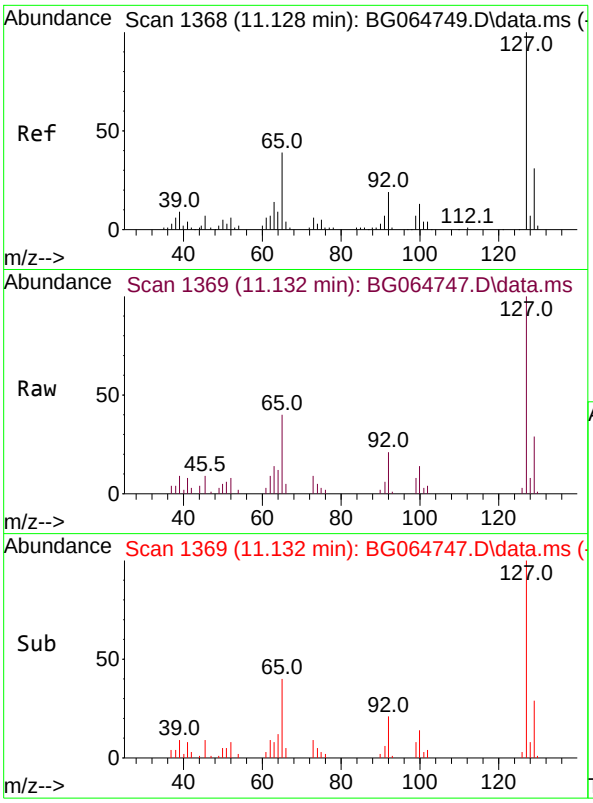


#32
Benzoic acid
Concen: 10.914 ng m
RT: 10.233 min Scan# 1216
Delta R.T. -0.014 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:122 Resp: 7448

Ion	Ratio	Lower	Upper
122	100		
105	87.4	107.6	147.6#
77	61.3	82.5	122.5#

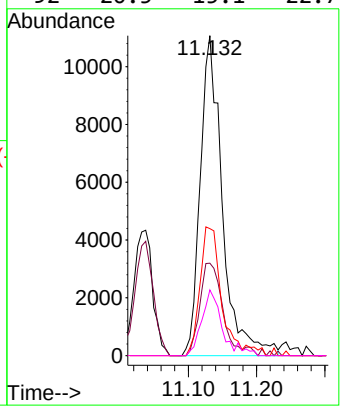




#33
4-Chloroaniline
Concen: 9.967 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:127 Resp: 2489

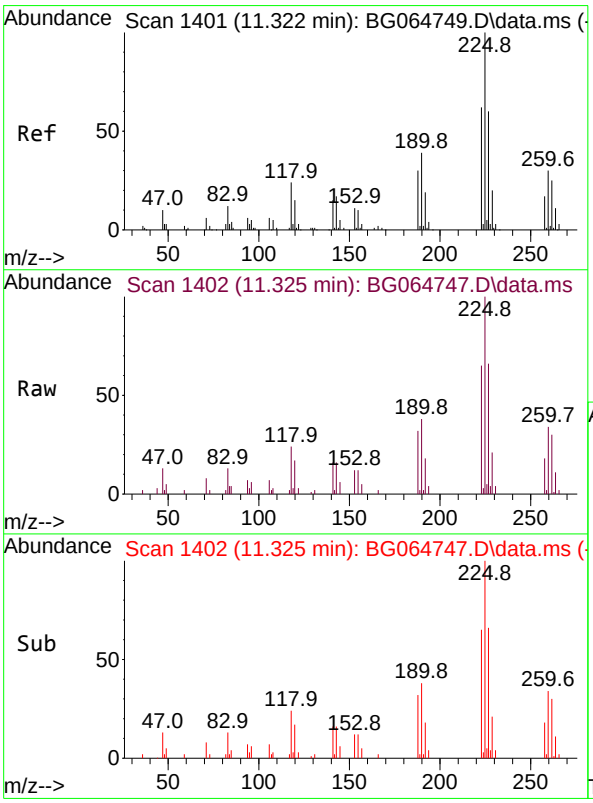
Ion	Ratio	Lower	Upper
127	100		
129	28.9	24.9	37.3
65	39.7	30.9	46.3
92	20.5	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

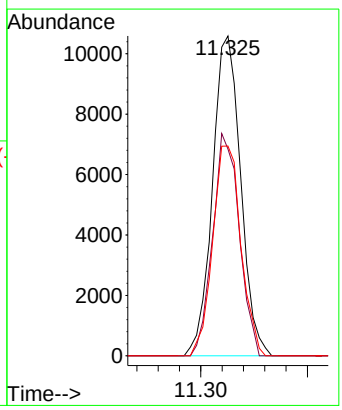
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

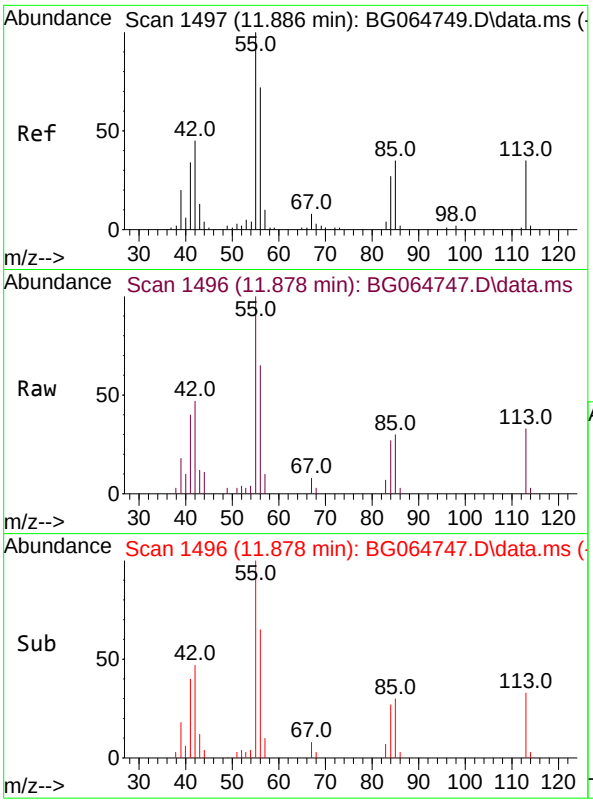


#34
Hexachlorobutadiene
Concen: 9.713 ng
RT: 11.325 min Scan# 1402
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:225 Resp: 19432

Ion	Ratio	Lower	Upper
225	100		
223	64.6	49.9	74.9
227	65.6	50.6	75.8





#35
Caprolactam
Concen: 8.592 ng
RT: 11.878 min Scan# 14
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

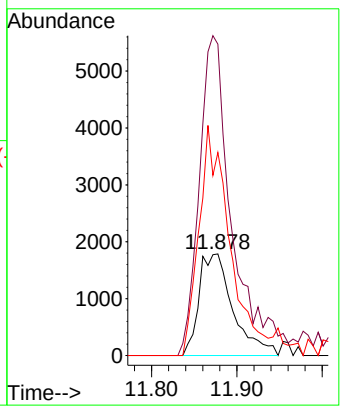
Tgt Ion:113 Resp: 495

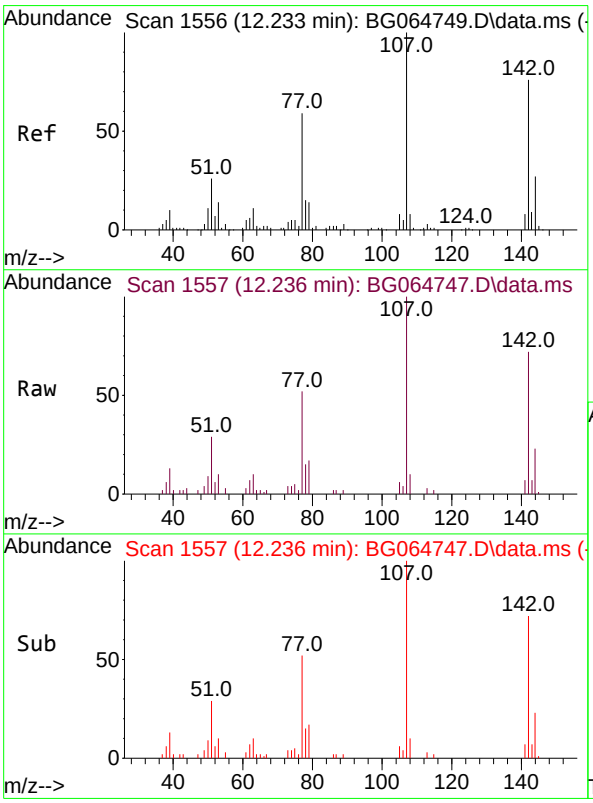
Ion	Ratio	Lower	Upper
113	100		
55	306.3	263.7	303.7#
56	199.7	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

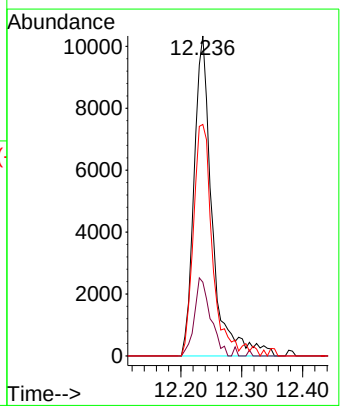


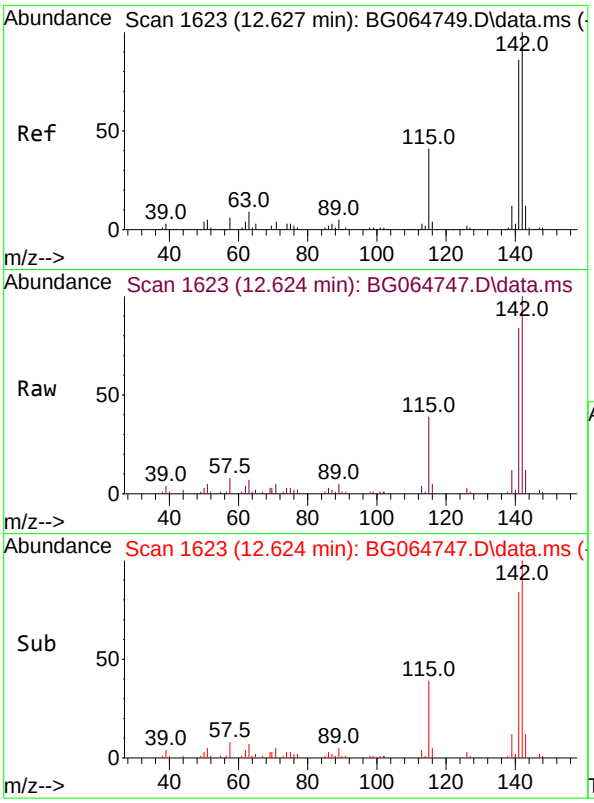


#36
4-Chloro-3-methylphenol
Concen: 9.942 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 21366

Ion	Ratio	Lower	Upper
107	100		
144	23.0	21.7	32.5
142	72.3	60.8	91.2

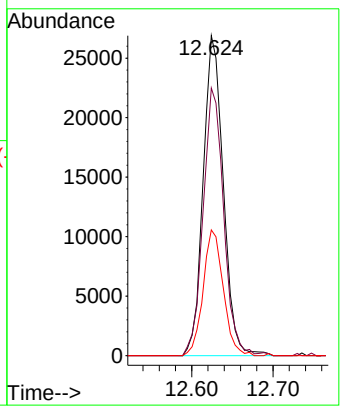




#37
2-Methylnaphthalene
Concen: 9.921 ng
RT: 12.624 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:142 Resp: 4634

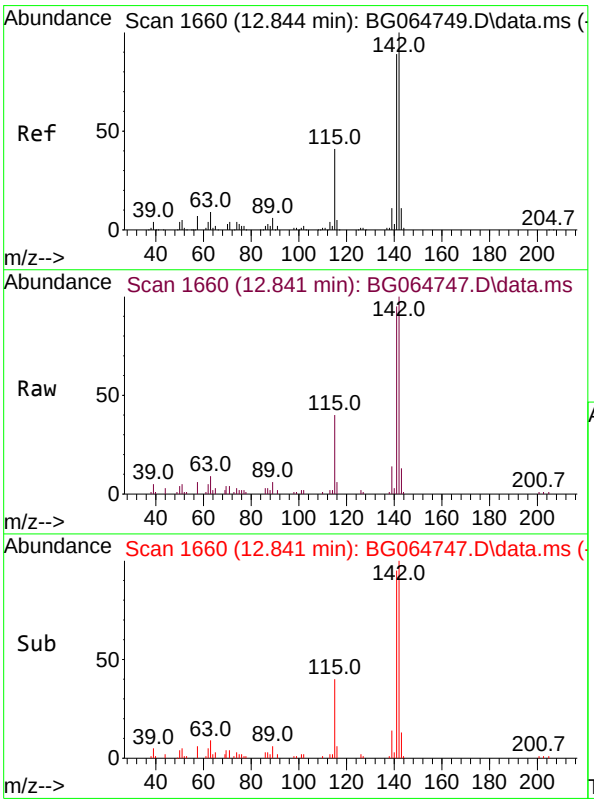
Ion	Ratio	Lower	Upper
142	100		
141	83.6	69.1	103.7
115	39.3	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

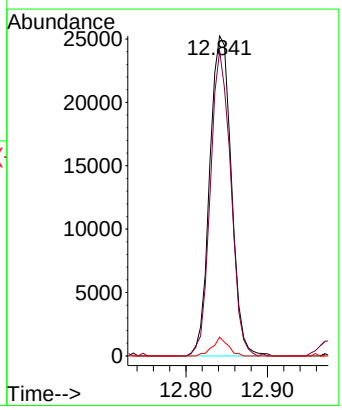
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

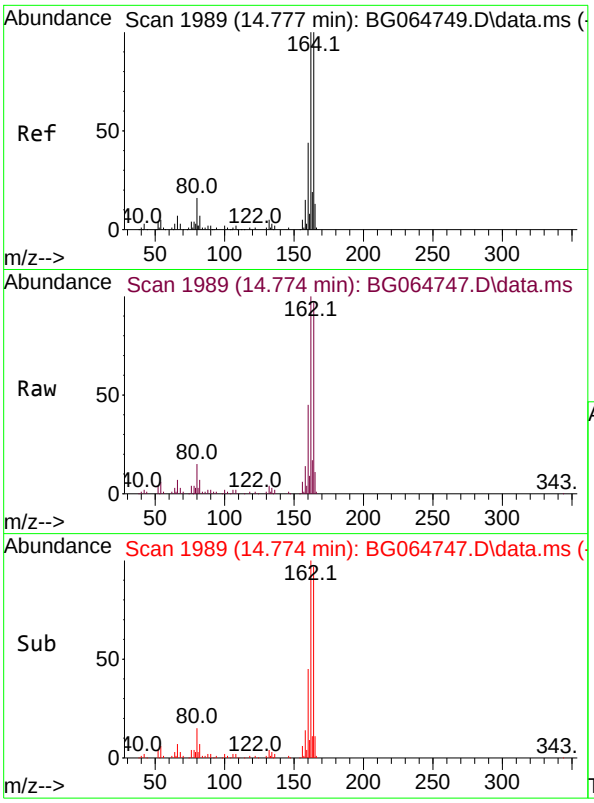


#38
1-Methylnaphthalene
Concen: 9.982 ng m
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:142 Resp: 46327

Ion	Ratio	Lower	Upper
142	100		
141	95.3	70.8	106.2
116	5.9	3.7	5.5#

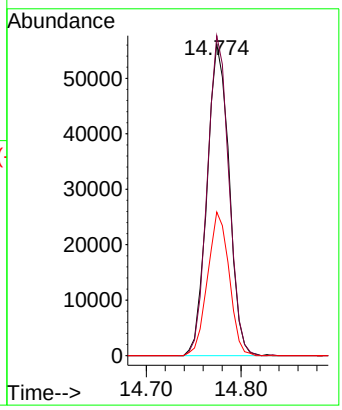




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:164 Resp: 9079

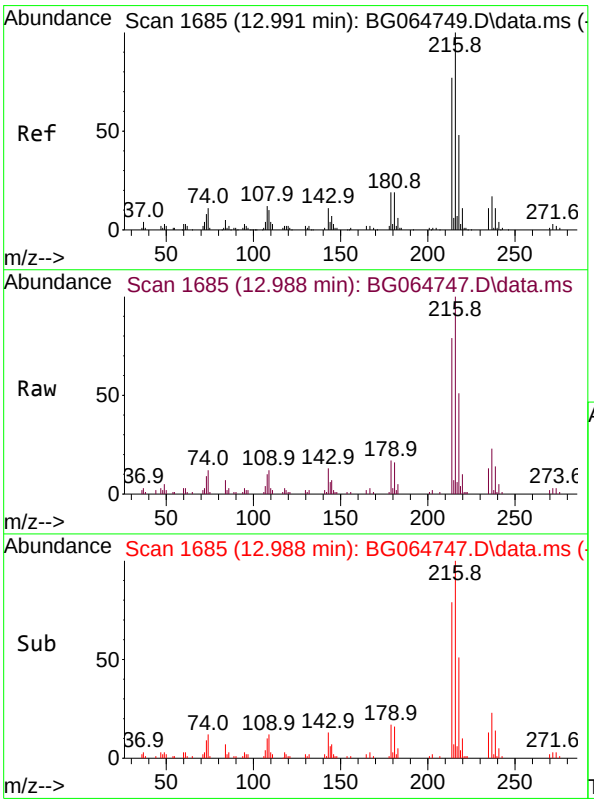
Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.8	119.6
160	46.1	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

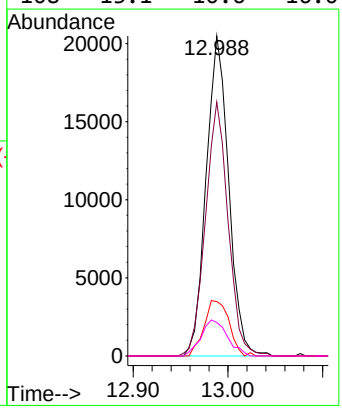
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

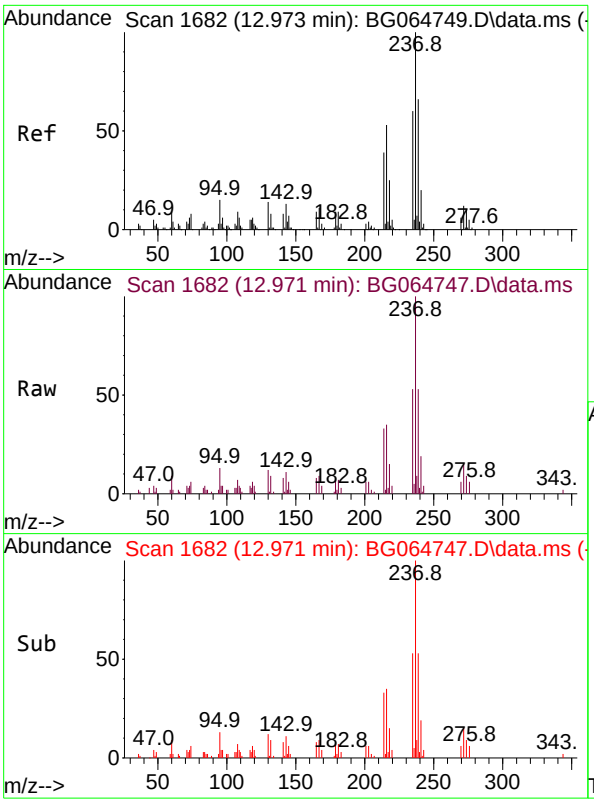


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.582 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:216 Resp: 33859

Ion	Ratio	Lower	Upper
216	100		
214	79.6	60.5	90.7
179	19.2	14.7	22.1
108	13.1	10.6	16.0

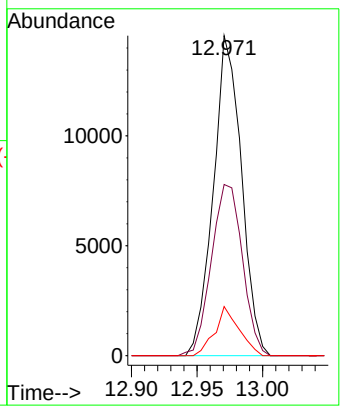




#41
Hexachlorocyclopentadiene
Concen: 8.565 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:237 Resp: 2169

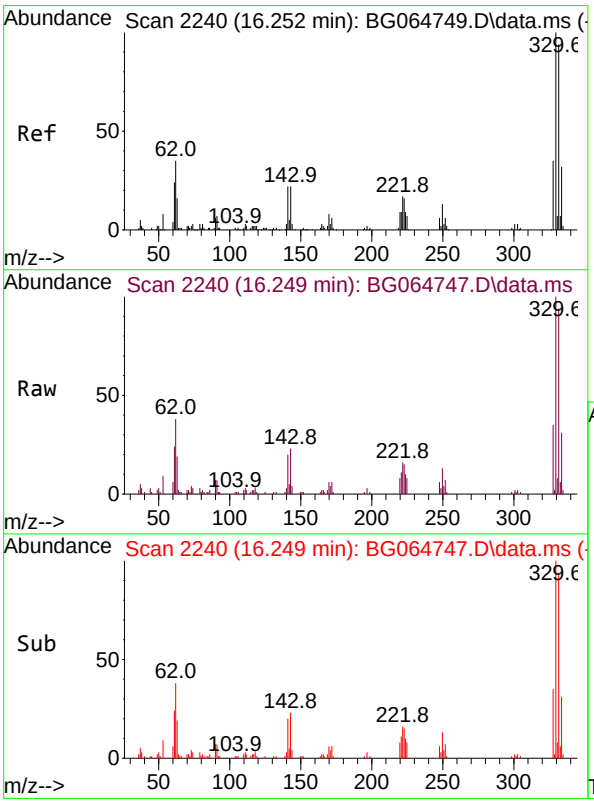
Ion	Ratio	Lower	Upper
237	100		
235	53.5	40.2	80.2
272	15.3	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

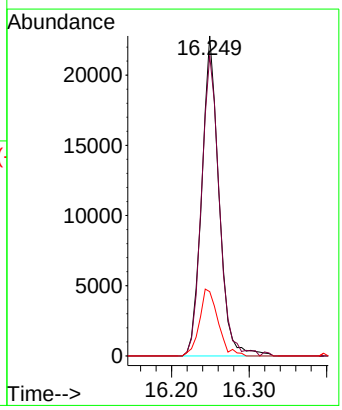
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

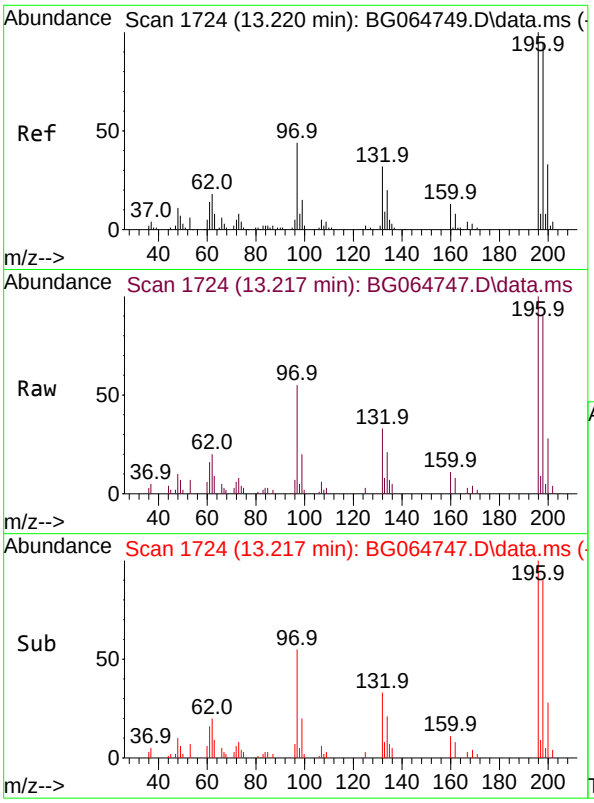


#42
2,4,6-Tribromophenol
Concen: 19.694 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:330 Resp: 34875

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	22.6	18.2	27.2

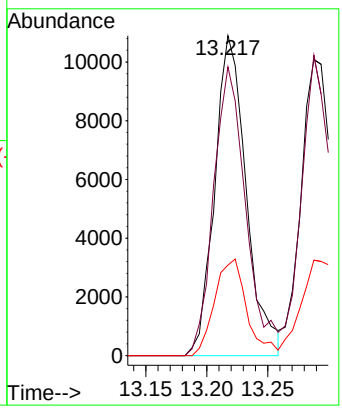




#43
2,4,6-Trichlorophenol
Concen: 9.451 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:196 Resp: 1960

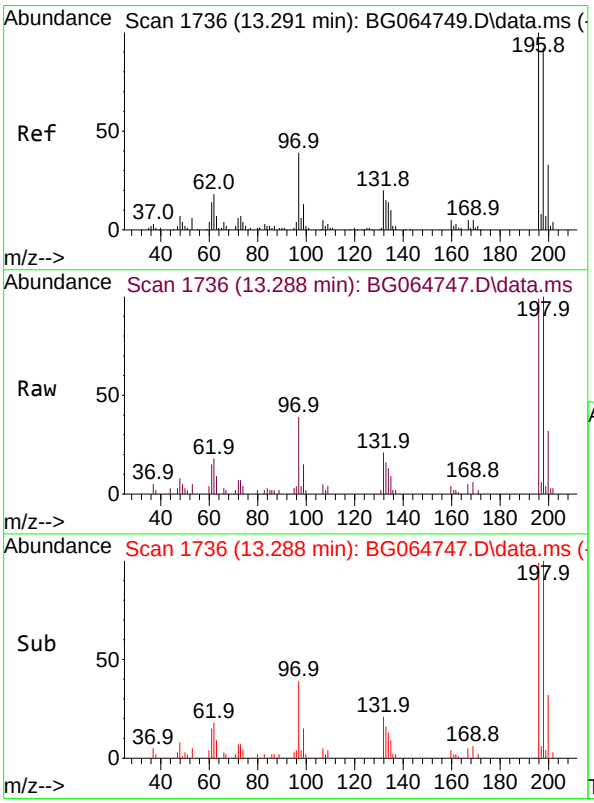
Ion	Ratio	Lower	Upper
196	100		
198	90.2	75.3	112.9
200	28.3	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

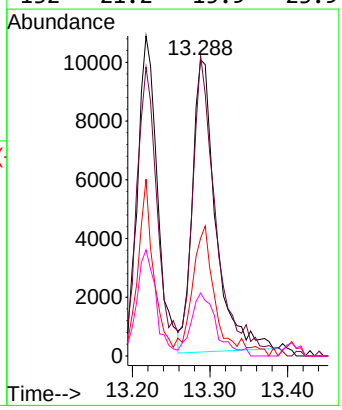
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

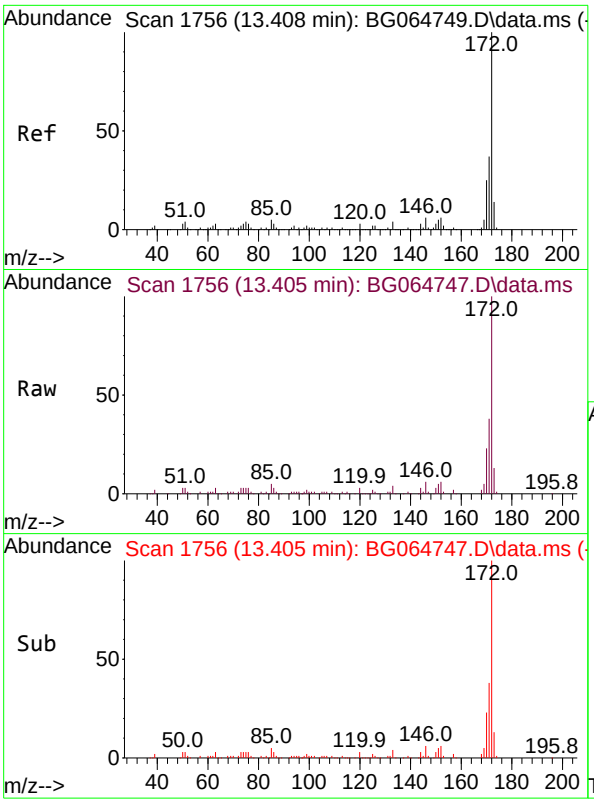


#44
2,4,5-Trichlorophenol
Concen: 8.972 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:196 Resp: 20868

Ion	Ratio	Lower	Upper
196	100		
198	101.4	73.2	109.8
97	39.7	31.4	47.0
132	21.2	15.9	23.9

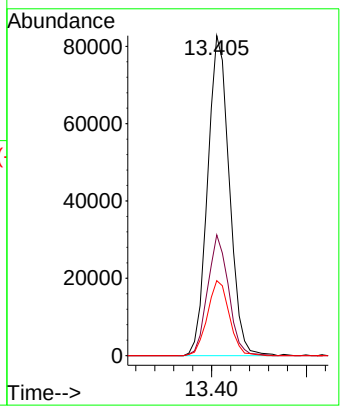




#45
2-Fluorobiphenyl
Concen: 20.167 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:172 Resp: 13122

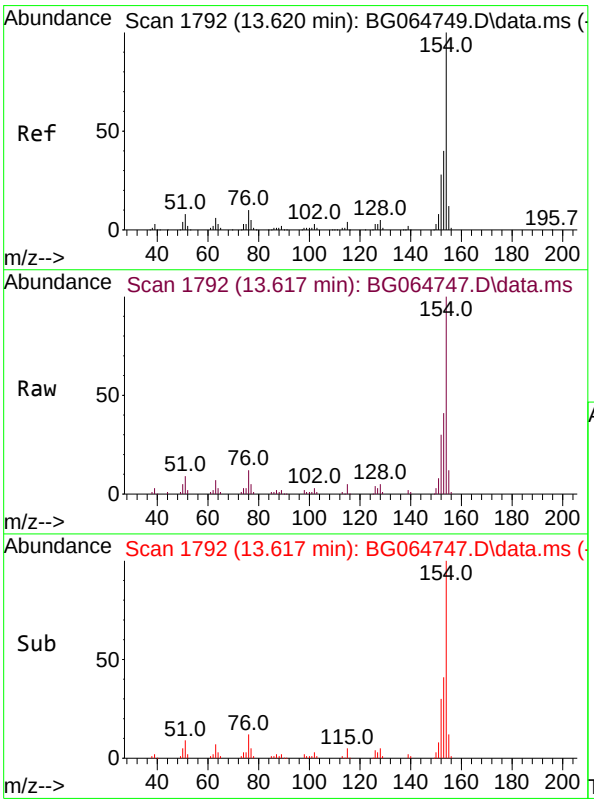
Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.9	44.9
170	23.4	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

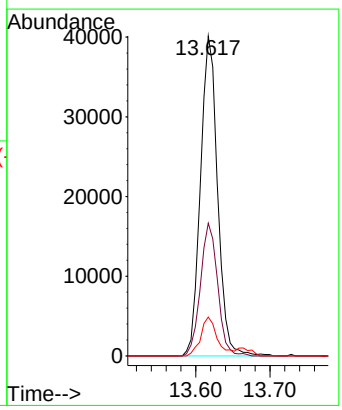
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

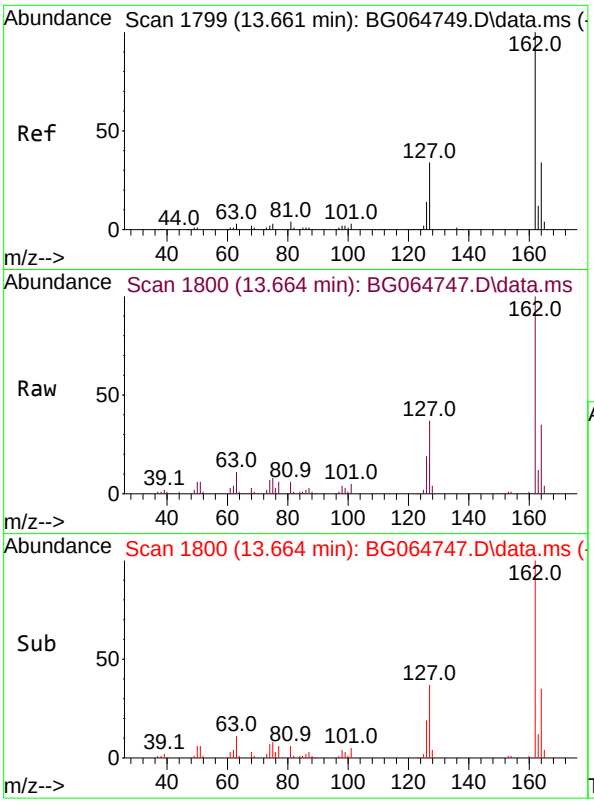


#46
1,1'-Biphenyl
Concen: 9.864 ng
RT: 13.617 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:154 Resp: 64329

Ion	Ratio	Lower	Upper
154	100		
153	41.5	19.8	59.8
76	12.1	0.0	30.0

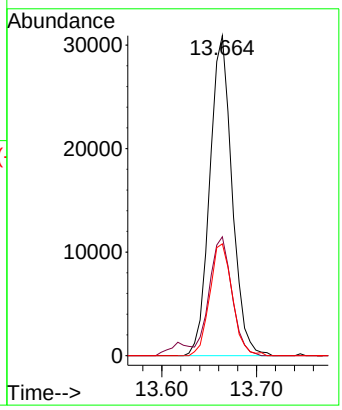




#47
2-Chloronaphthalene
Concen: 9.827 ng
RT: 13.664 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:162 Resp: 5048

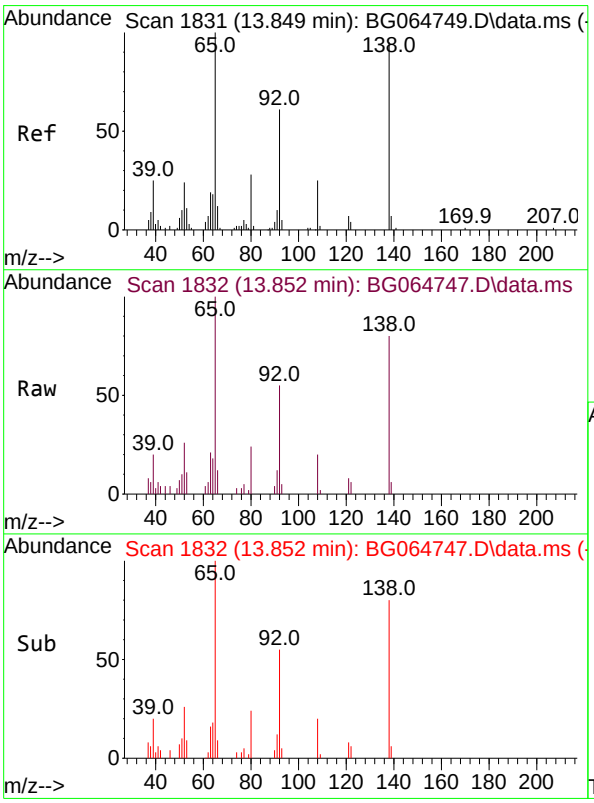
Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.3	45.5
164	34.9	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

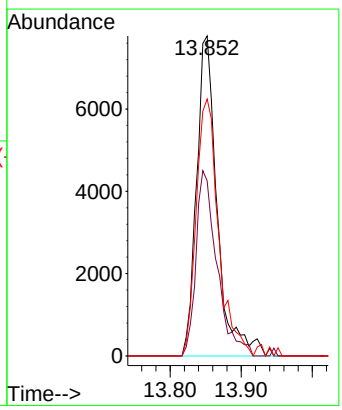
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

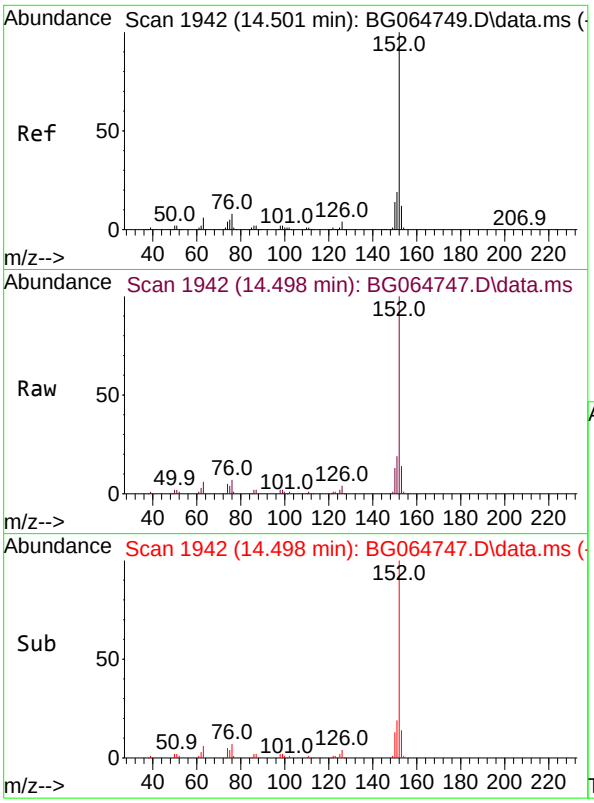


#48
2-Nitroaniline
Concen: 9.469 ng
RT: 13.852 min Scan# 1832
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 65 Resp: 15648

Ion	Ratio	Lower	Upper
65	100		
92	54.7	48.6	73.0
138	80.3	76.4	114.6

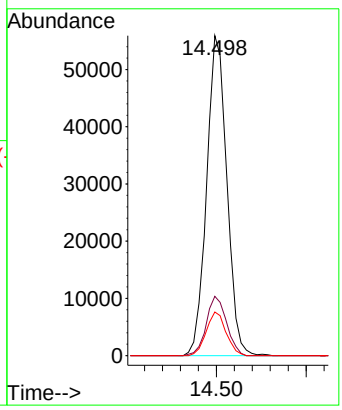




#49
Acenaphthylene
Concen: 9.973 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:152 Resp: 8753

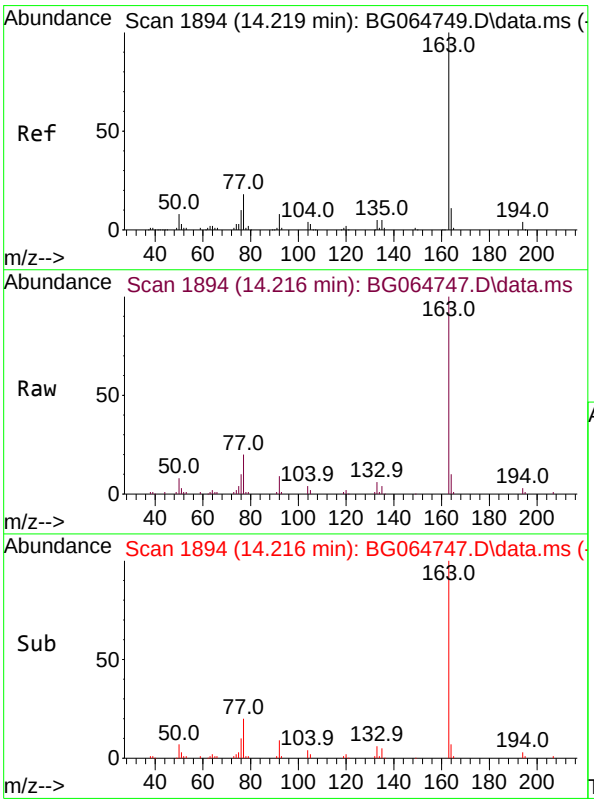
Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

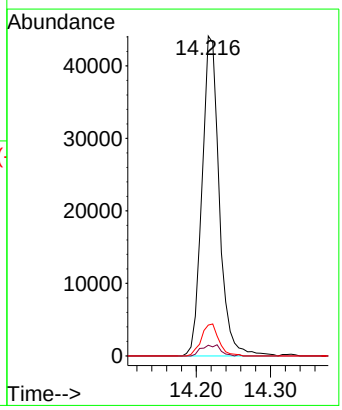
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

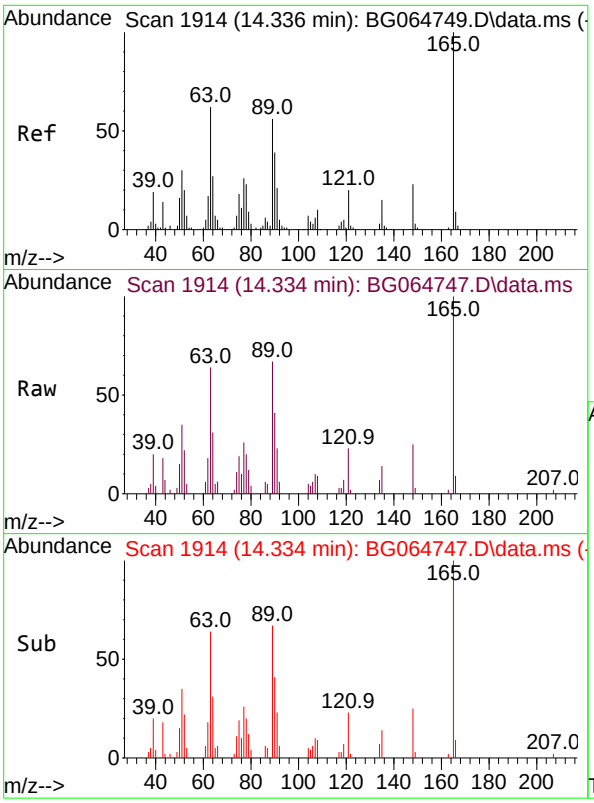


#50
Dimethylphthalate
Concen: 9.928 ng
RT: 14.216 min Scan# 1894
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:163 Resp: 71209

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.1	4.7
164	9.6	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 9.246 ng
RT: 14.334 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

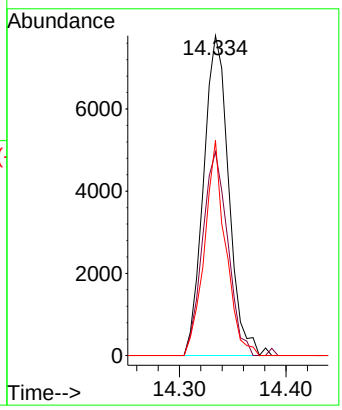
Tgt Ion:165 Resp: 1276

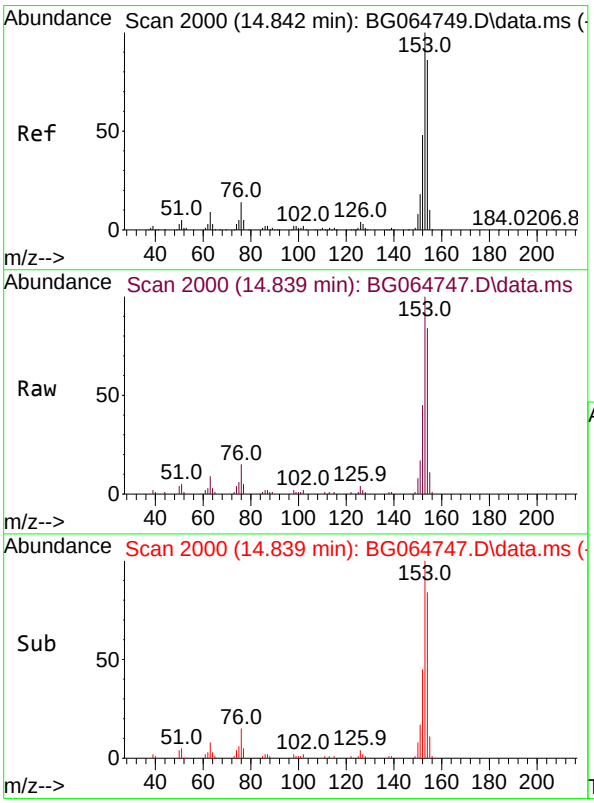
Ion	Ratio	Lower	Upper
165	100		
63	63.7	49.8	74.8
89	67.2	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

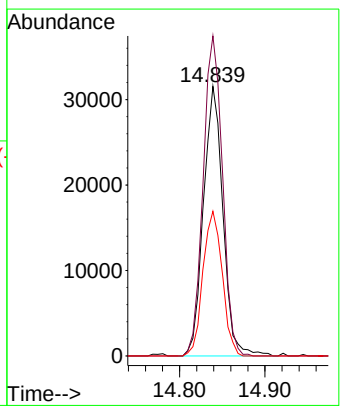


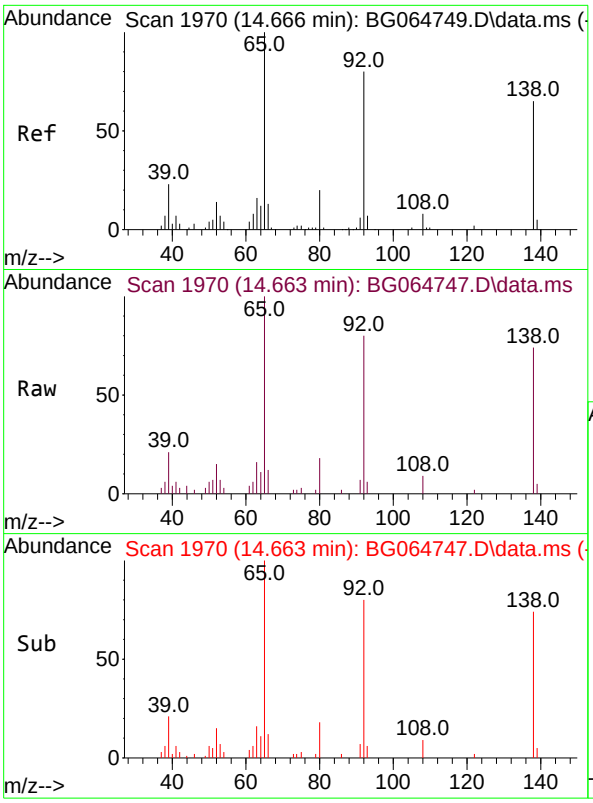


#52
Acenaphthene
Concen: 9.526 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:154 Resp: 50131

Ion	Ratio	Lower	Upper
154	100		
153	118.7	93.0	139.4
152	53.6	44.4	66.6





#53
3-Nitroaniline
Concen: 9.240 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

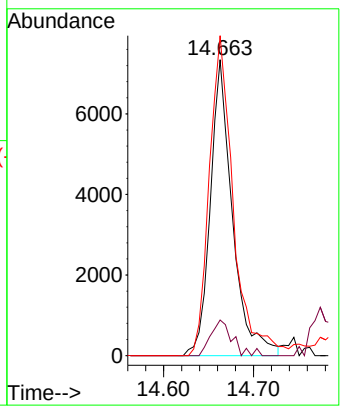
Tgt Ion:138 Resp: 1258

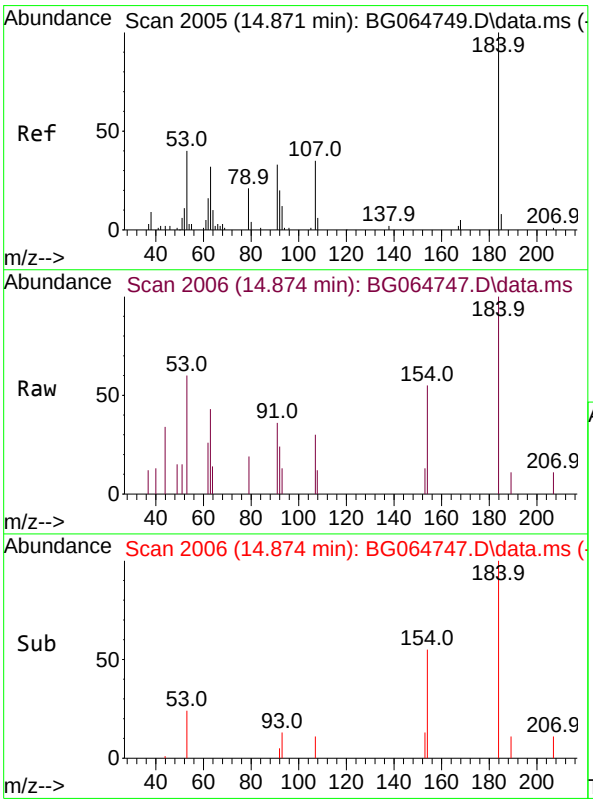
Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.5	14.3
92	108.1	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

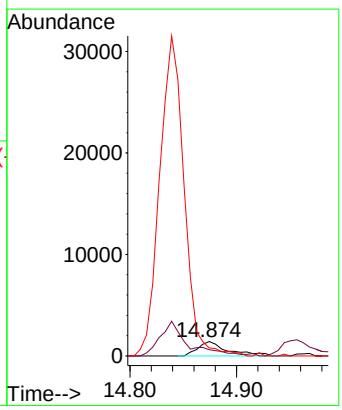


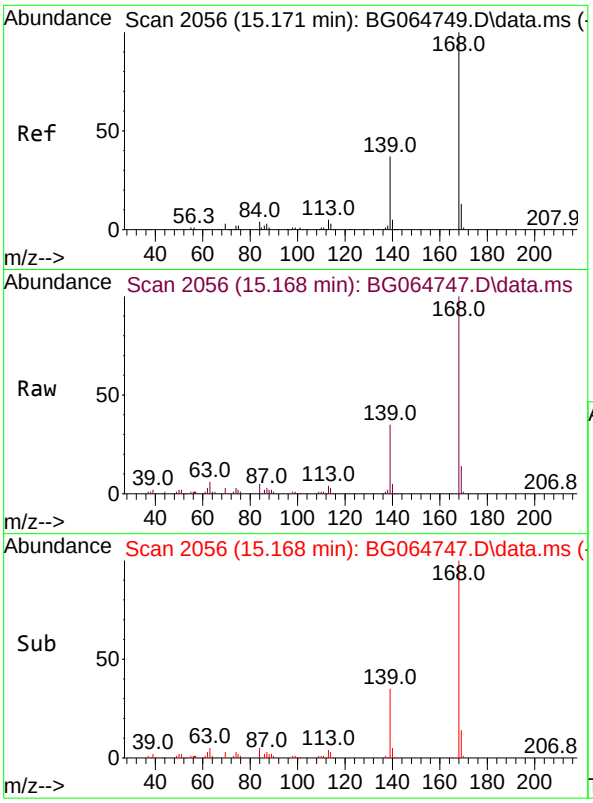


#54
2,4-Dinitrophenol
Concen: 11.149 ng
RT: 14.874 min Scan# 2006
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:184 Resp: 2717

Ion	Ratio	Lower	Upper
184	100		
63	43.2	45.8	68.6#
154	55.1	52.6	78.8

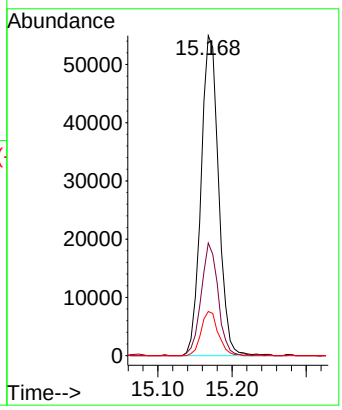




#55
Dibenzofuran
Concen: 10.387 ng
RT: 15.168 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:168 Resp: 90369

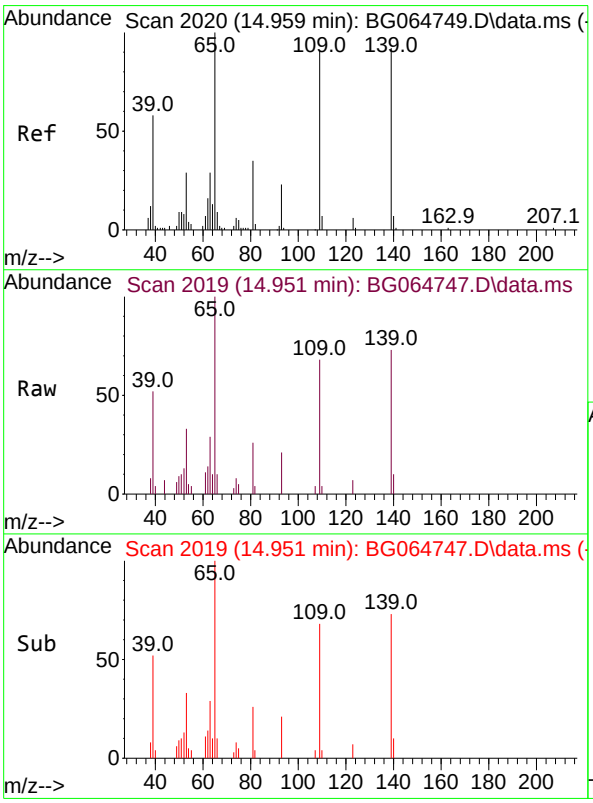
Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.5	44.3
169	13.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

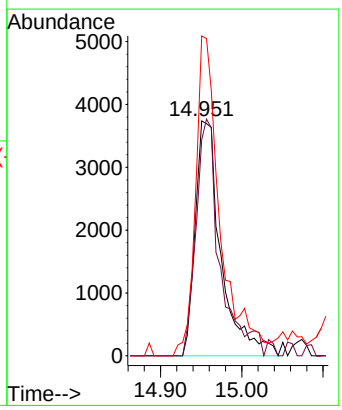
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

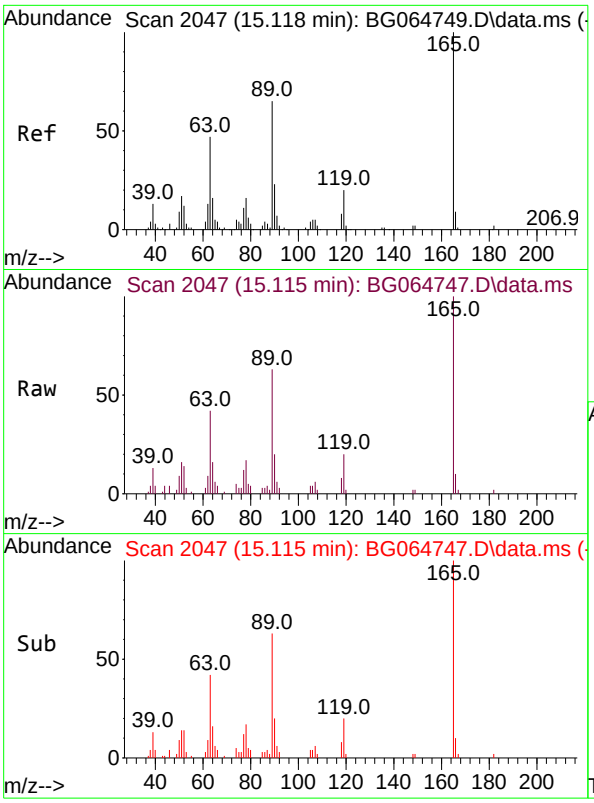


#56
4-Nitrophenol
Concen: 7.611 ng
RT: 14.951 min Scan# 2019
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:139 Resp: 8225

Ion	Ratio	Lower	Upper
139	100		
109	92.1	79.7	119.7
65	136.2	89.9	129.9#

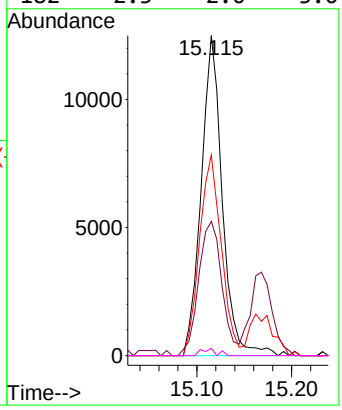




#57
2,4-Dinitrotoluene
Concen: 9.336 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:165 Resp: 1931

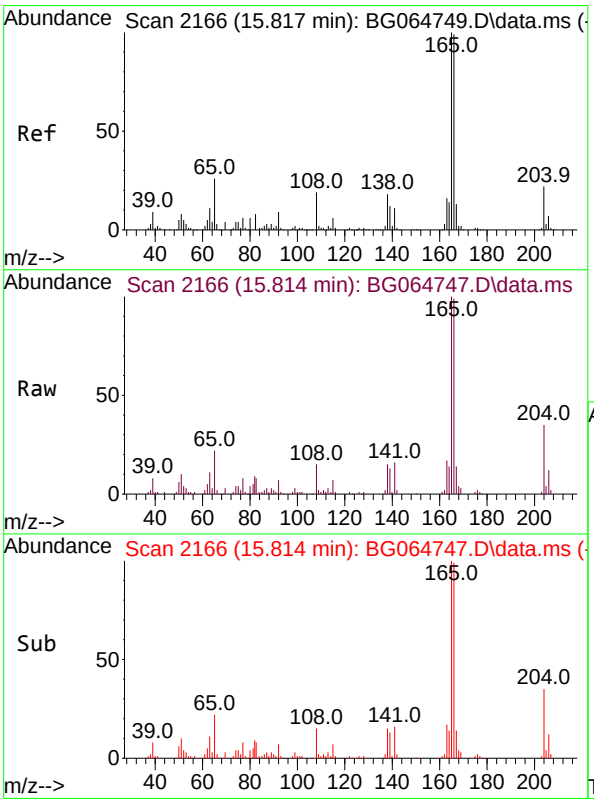
Ion	Ratio	Lower	Upper
165	100		
63	41.9	37.8	56.6
89	62.7	51.6	77.4
182	2.3	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

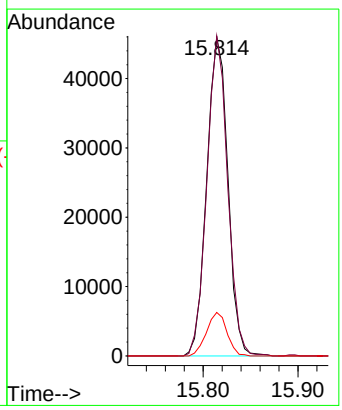
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

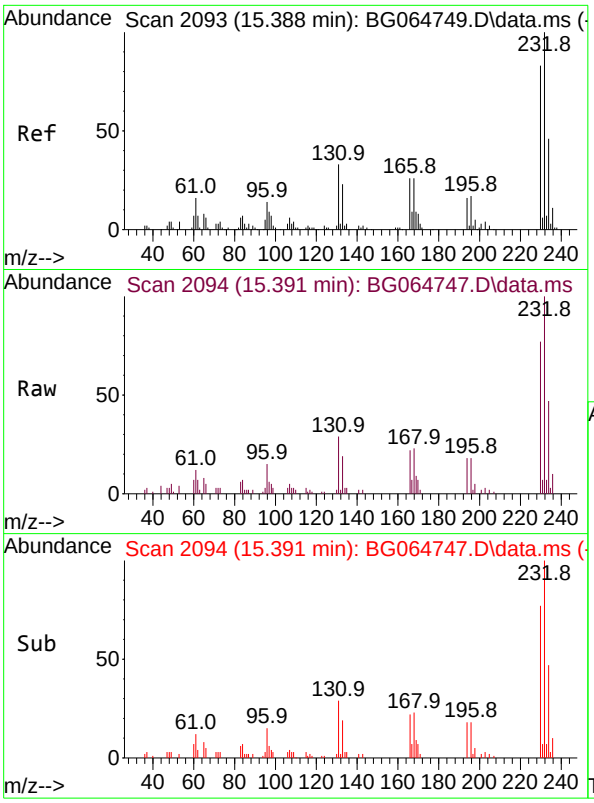


#58
Fluorene
Concen: 10.441 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:166 Resp: 71244

Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.5	120.7
167	13.6	10.3	15.5

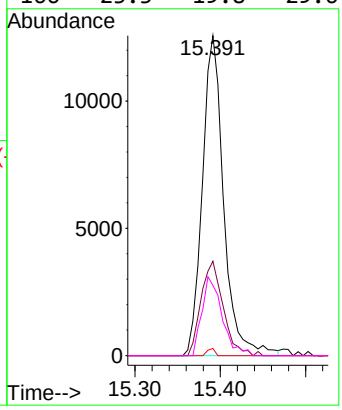




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.495 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:232 Resp: 2179

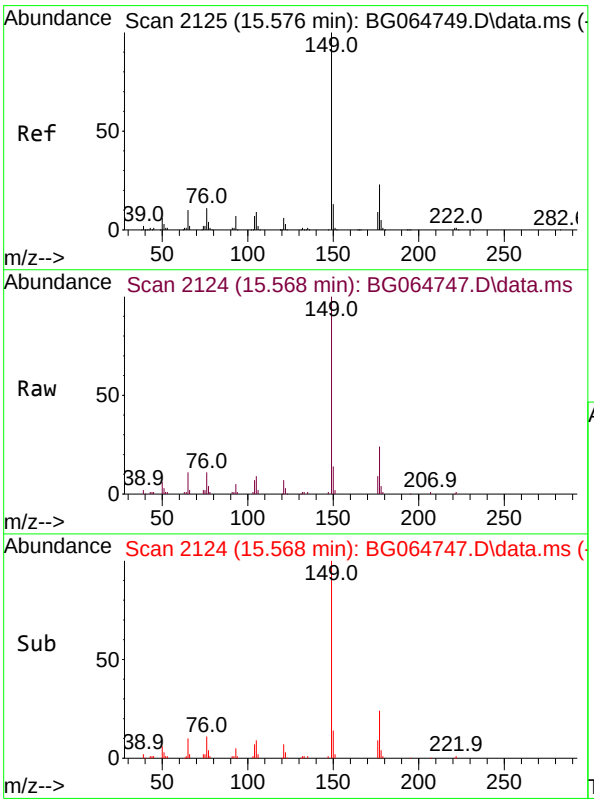
Ion	Ratio	Lower	Upper
232	100		
131	30.7	26.0	39.0
130	0.8	1.6	2.4#
166	23.3	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

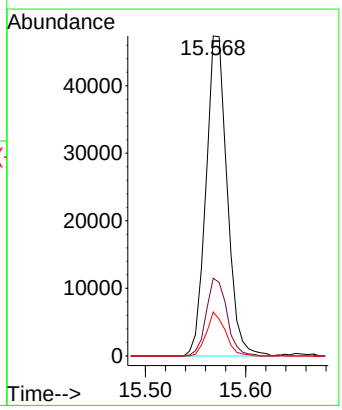
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

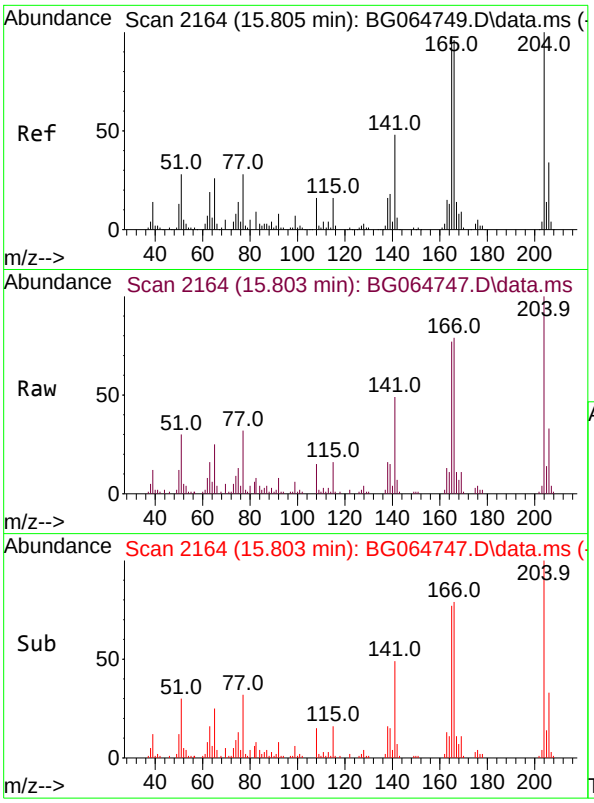


#60
Diethylphthalate
Concen: 10.053 ng
RT: 15.568 min Scan# 2124
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 69072

Ion	Ratio	Lower	Upper
149	100		
177	24.3	18.4	27.6
150	13.7	10.1	15.1

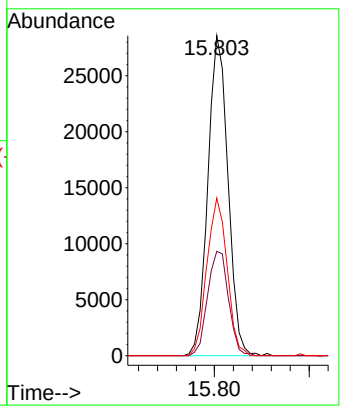




#61
4-Chlorophenyl-phenylether
Concen: 10.280 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:204 Resp: 4209

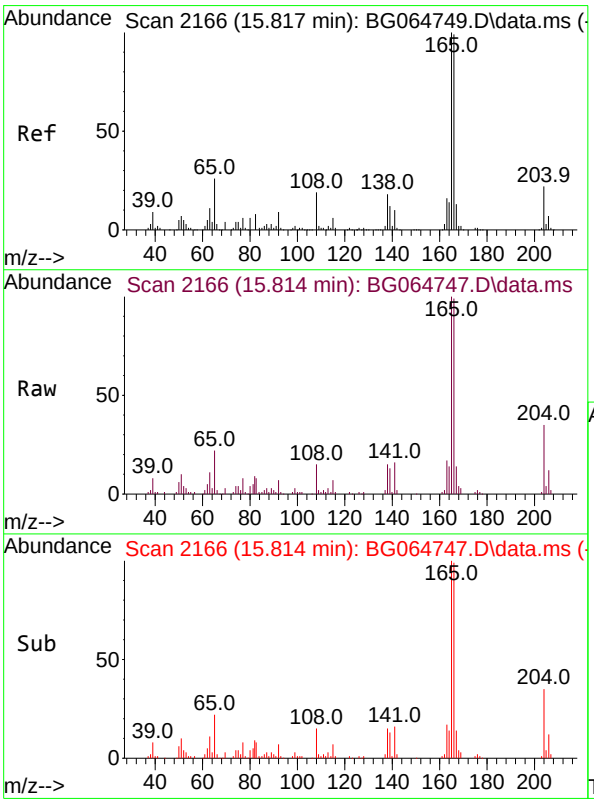
Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.9	40.3
141	49.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

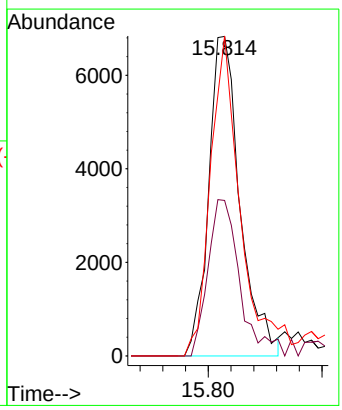
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

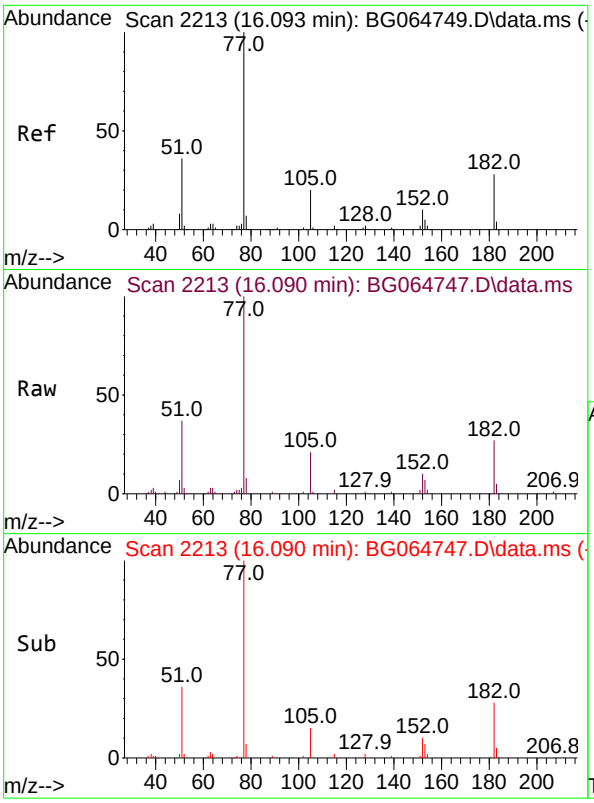


#62
4-Nitroaniline
Concen: 9.268 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:138 Resp: 13078

Ion	Ratio	Lower	Upper
138	100		
92	48.7	30.7	70.7
108	100.2	85.7	125.7

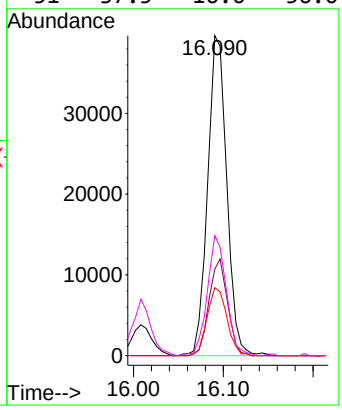




#63
Azobenzene
Concen: 10.260 ng
RT: 16.090 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 5863

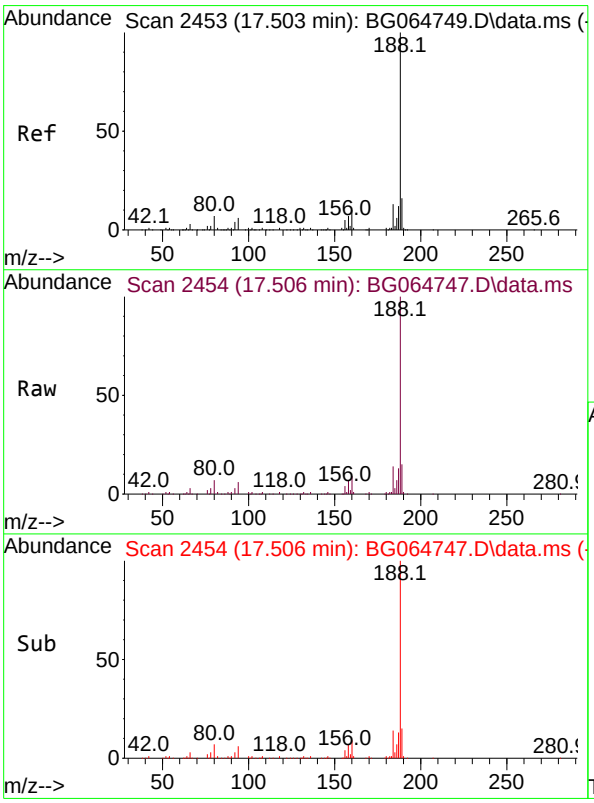
Ion	Ratio	Lower	Upper
77	100		
182	27.1	8.1	48.1
105	21.2	0.1	40.1
51	37.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

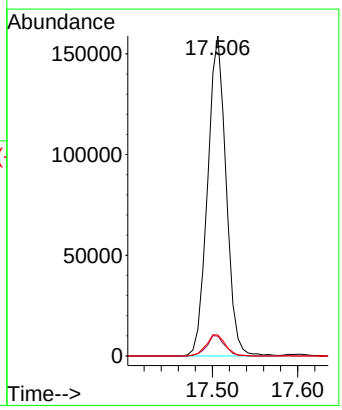
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

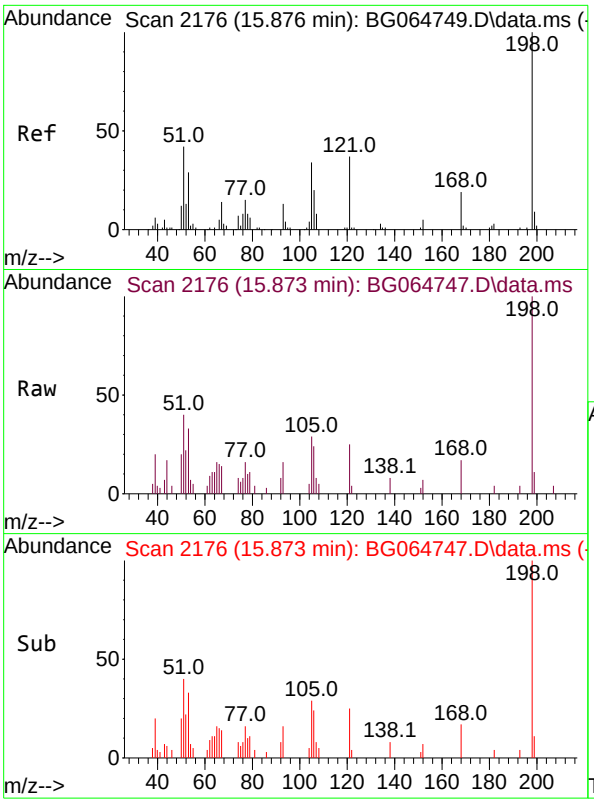


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:188 Resp: 239033

Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.7	7.1
80	6.5	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 6.563 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

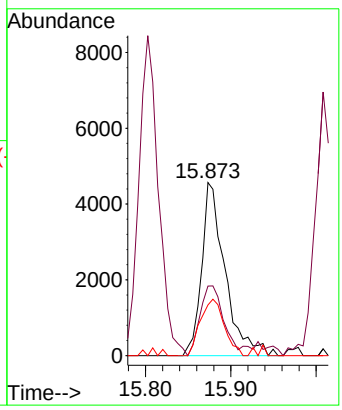
Tgt Ion:198 Resp: 871

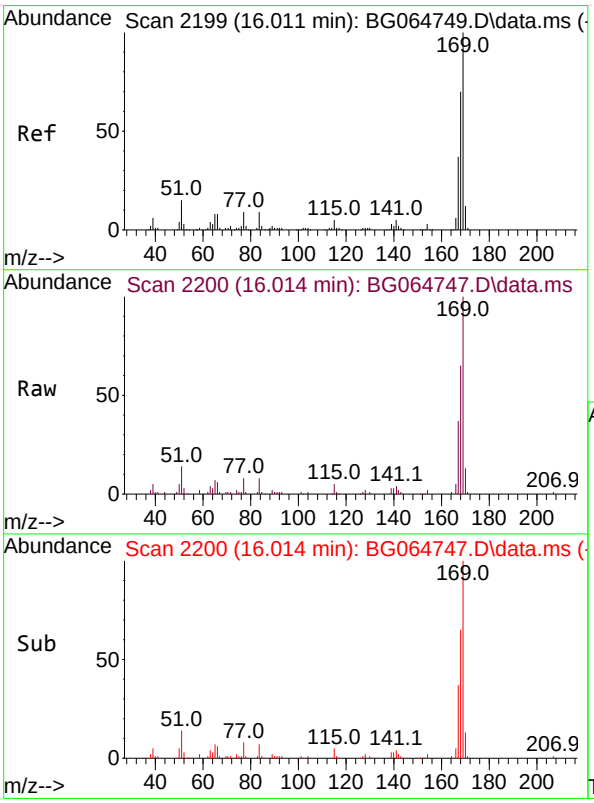
Ion	Ratio	Lower	Upper
198	100		
51	40.2	25.2	65.2
105	29.2	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

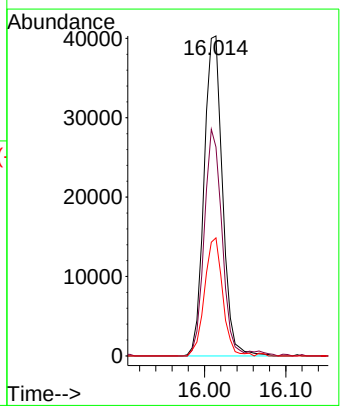


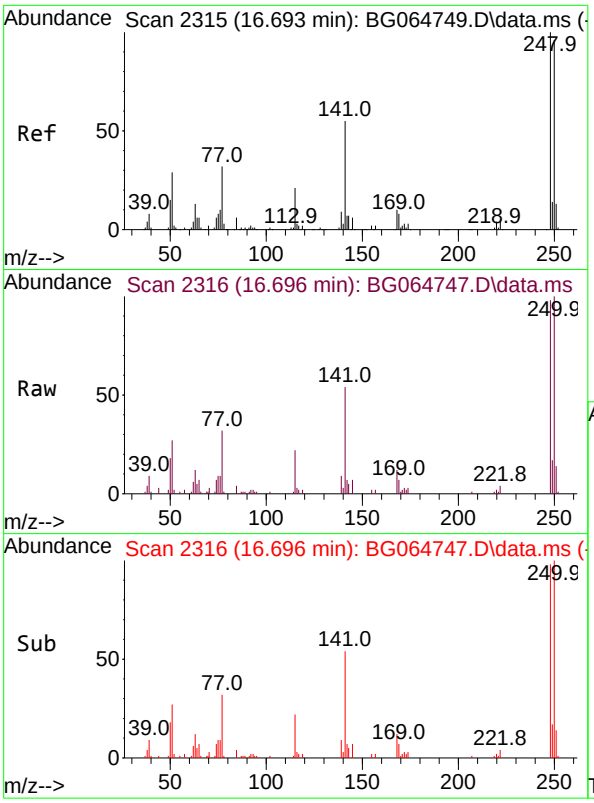


#66
n-Nitrosodiphenylamine
Concen: 10.127 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:169 Resp: 63405

Ion	Ratio	Lower	Upper
169	100		
168	65.3	55.9	83.9
167	36.9	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 10.021 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

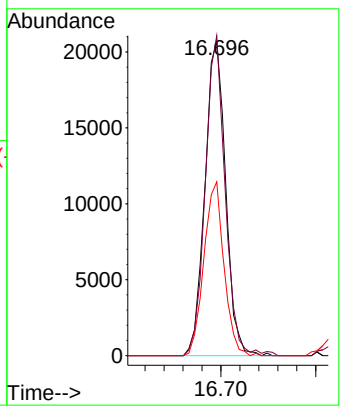
Instrument :
BNA_G
ClientSampleId :
SSTDICC010

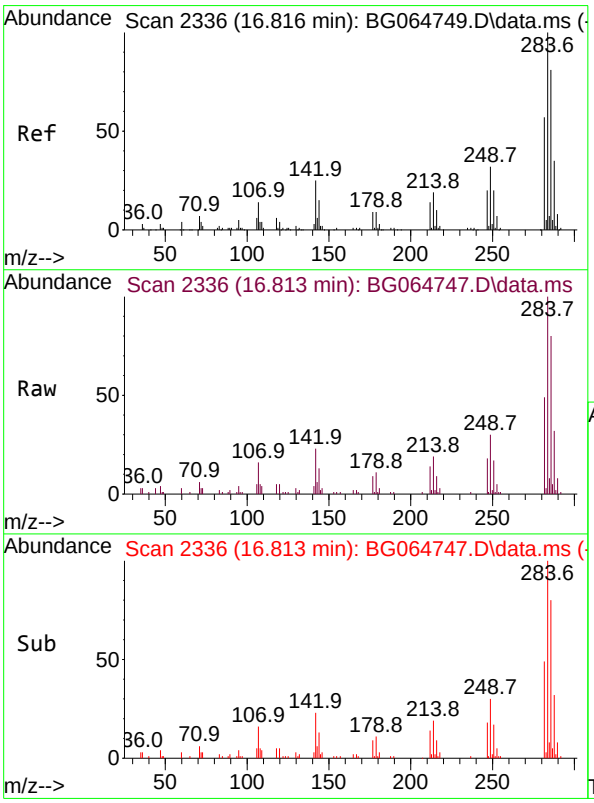
Tgt Ion:248 Resp: 3145

Ion	Ratio	Lower	Upper
248	100		
250	101.8	77.0	115.6
141	55.3	43.7	65.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

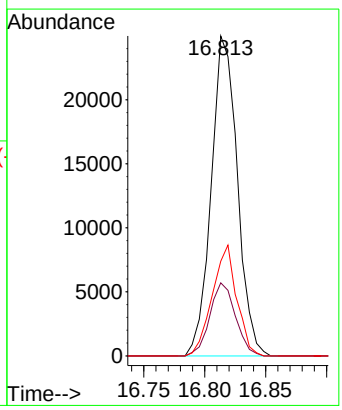


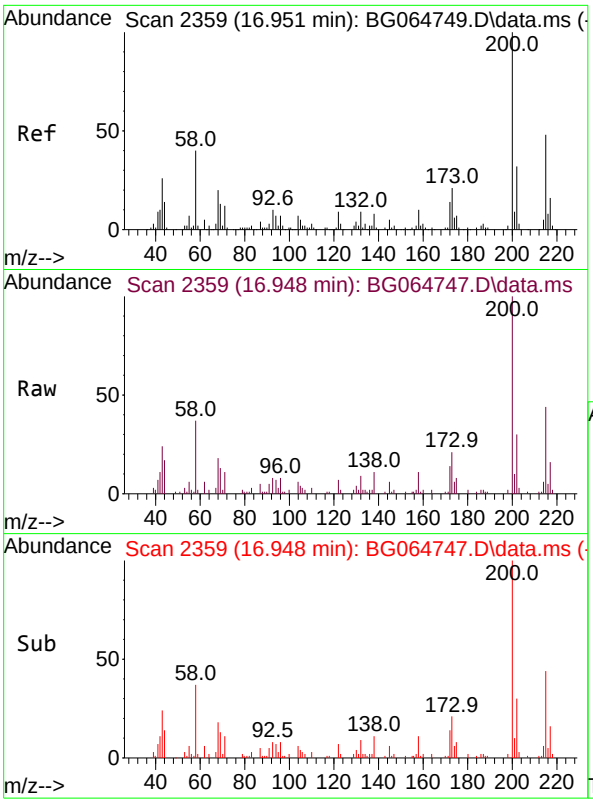


#68
Hexachlorobenzene
Concen: 9.795 ng
RT: 16.813 min Scan# 2336
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:284 Resp: 37251

Ion	Ratio	Lower	Upper
284	100		
142	22.8	19.7	29.5
249	29.6	28.1	42.1

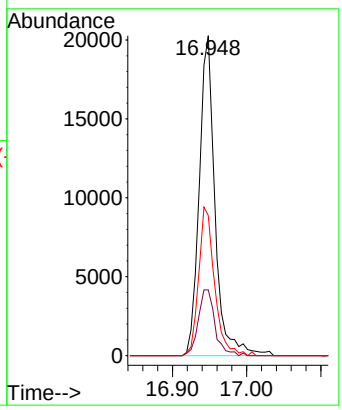




#69
Atrazine
Concen: 9.940 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:200 Resp: 3000

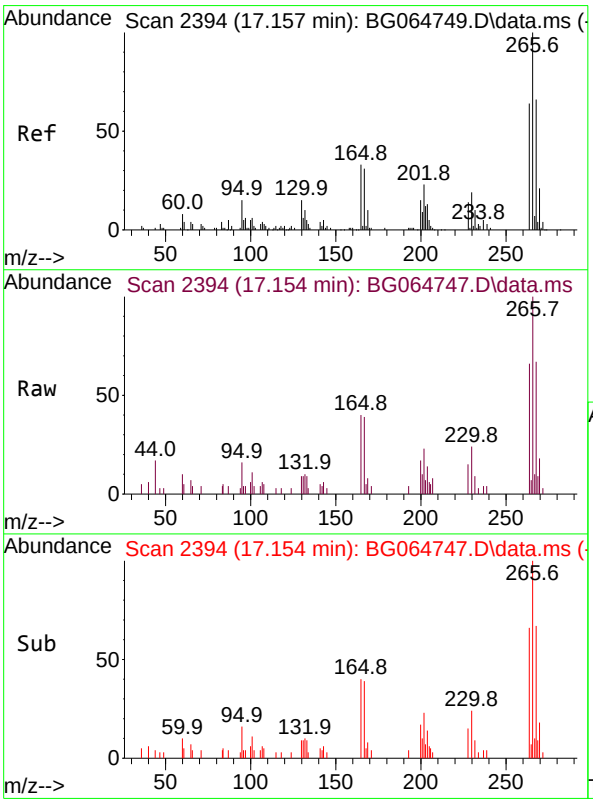
Ion	Ratio	Lower	Upper
200	100		
173	20.6	0.9	40.9
215	43.8	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

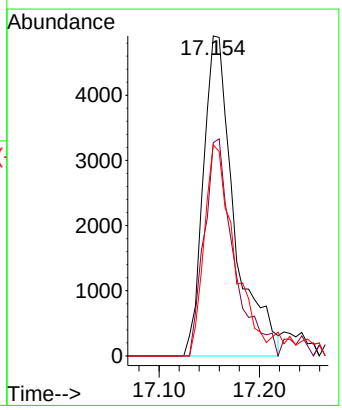
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

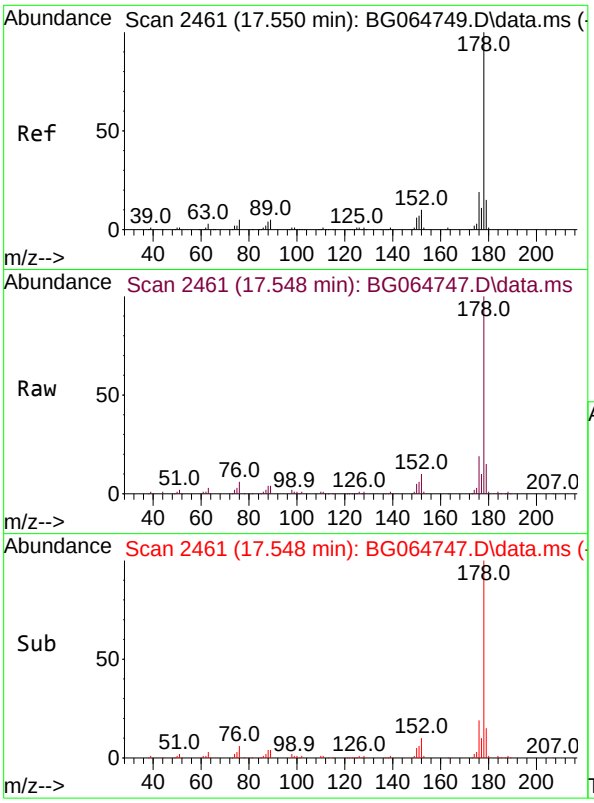


#70
Pentachlorophenol
Concen: 10.475 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:266 Resp: 10561

Ion	Ratio	Lower	Upper
266	100		
268	75.6	56.1	84.1
264	65.9	51.2	76.8

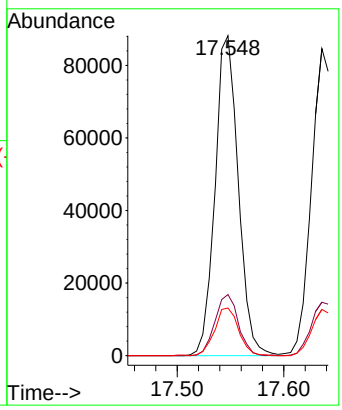




#71
Phenanthrene
Concen: 10.219 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:178 Resp: 13364

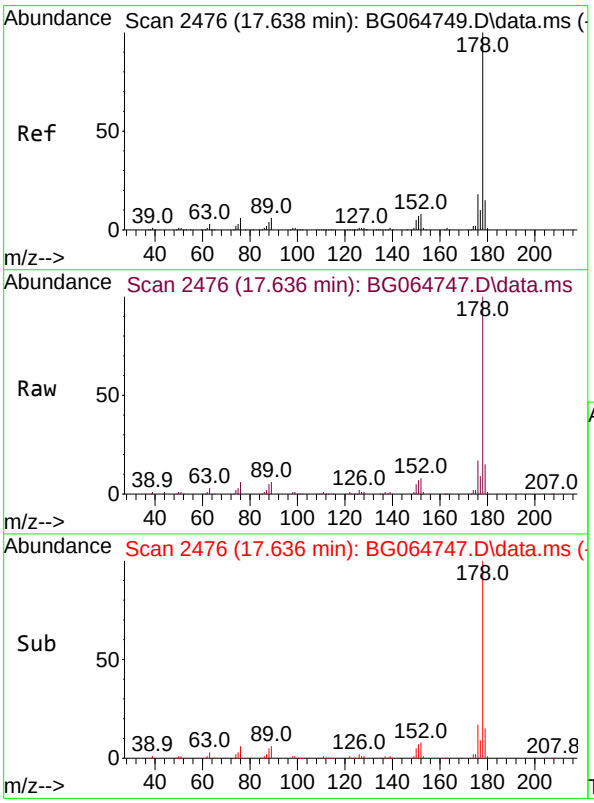
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	14.9	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

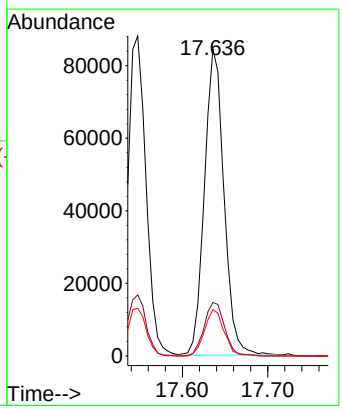
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

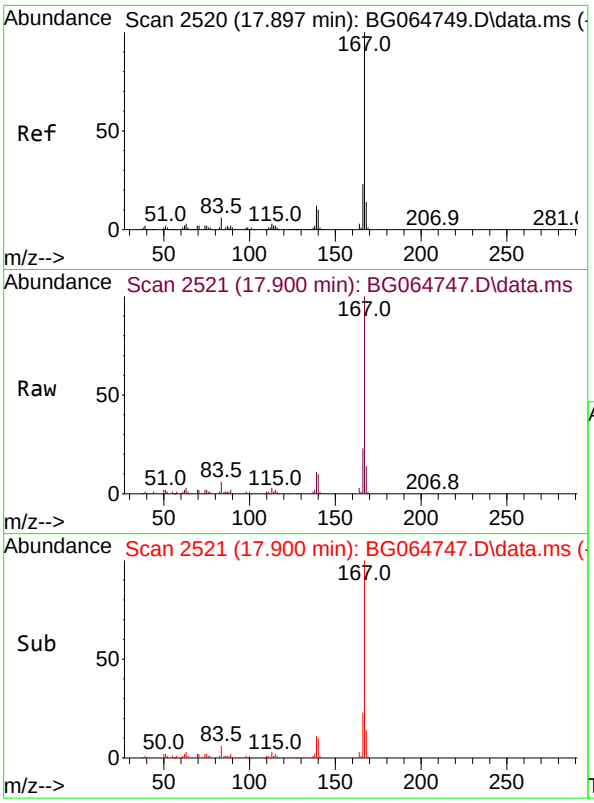


#72
Anthracene
Concen: 10.059 ng
RT: 17.636 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:178 Resp: 134138

Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.5	21.7
179	15.0	12.2	18.4

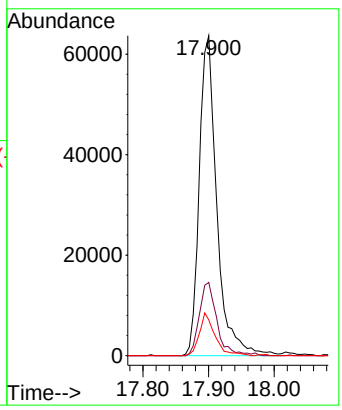




#73
Carbazole
Concen: 10.286 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:167 Resp: 11792

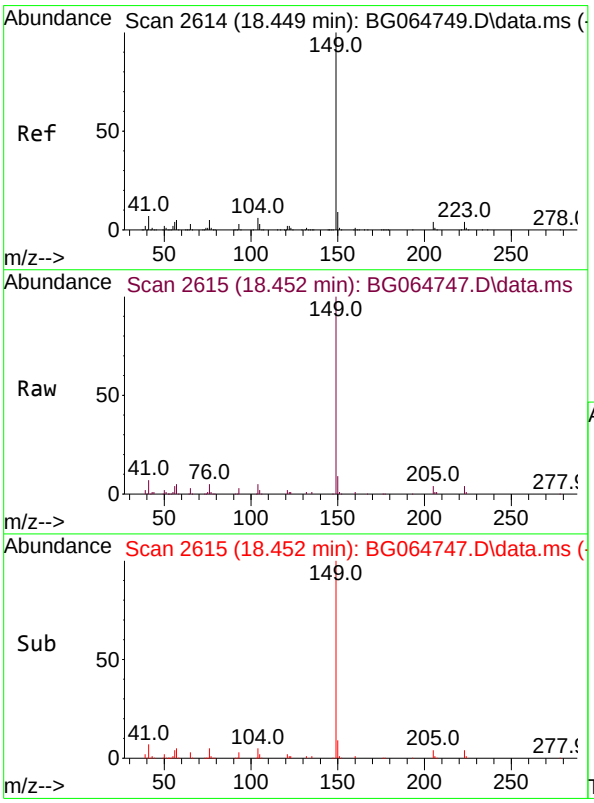
Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	11.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

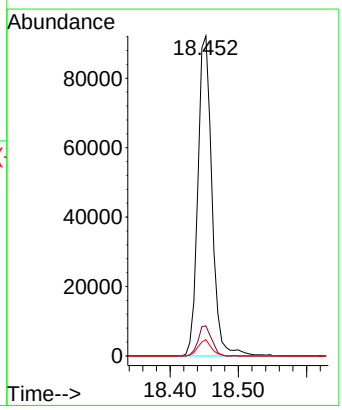
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

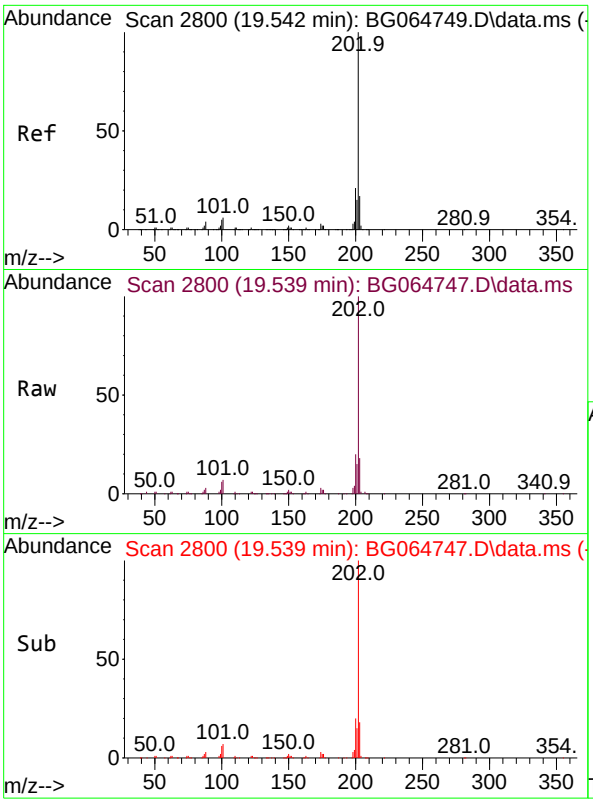


#74
Di-n-butylphthalate
Concen: 10.340 ng
RT: 18.452 min Scan# 2615
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 132248

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.4	6.6

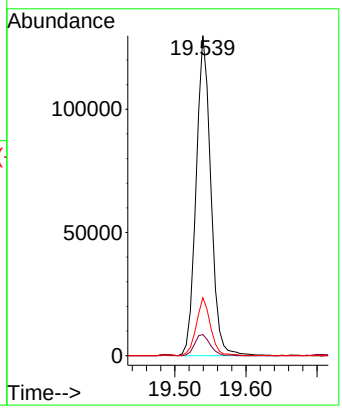




#75
Fluoranthene
Concen: 10.409 ng
RT: 19.539 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:202 Resp: 186154

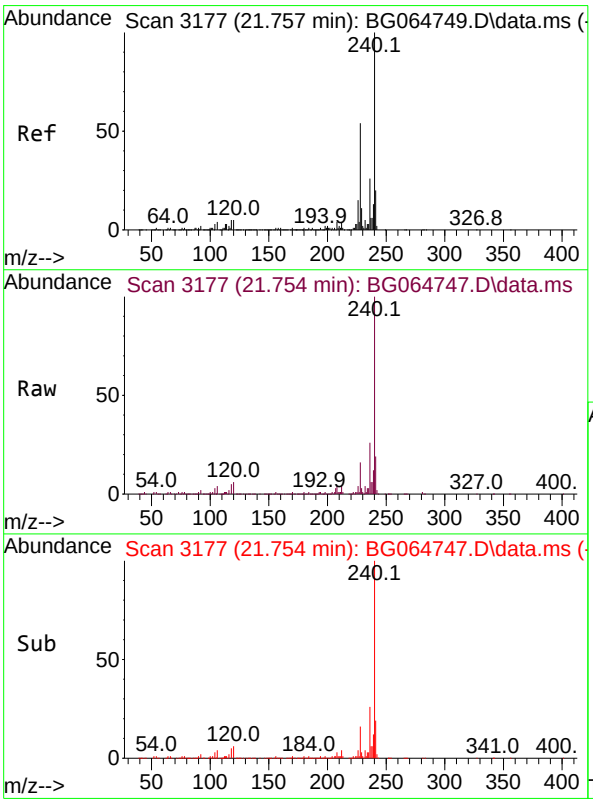
Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.4
203	18.1	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

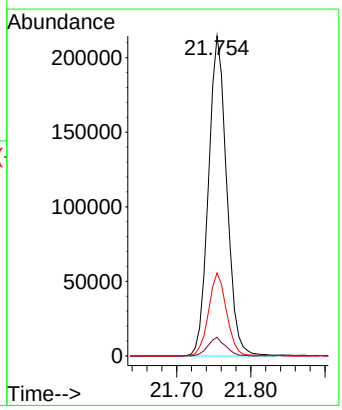
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

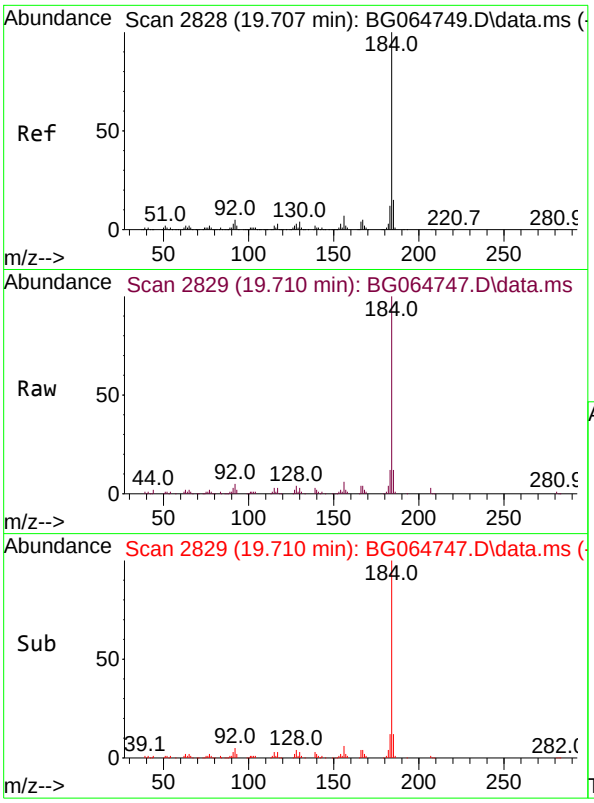


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:240 Resp: 366018

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.2	6.4
236	25.9	20.8	31.2

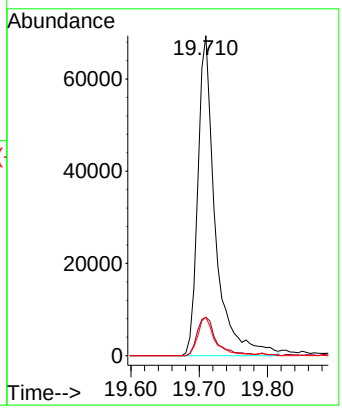




#77
Benzidine
Concen: 11.249 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:184 Resp: 12330

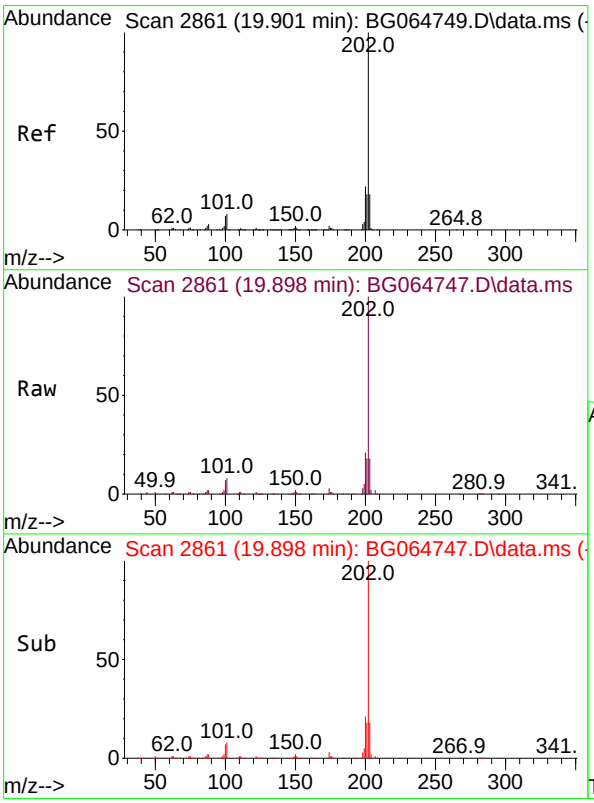
Ion	Ratio	Lower	Upper
184	100		
185	12.0	11.8	17.6
183	12.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

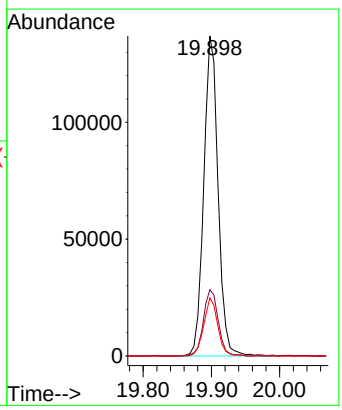
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

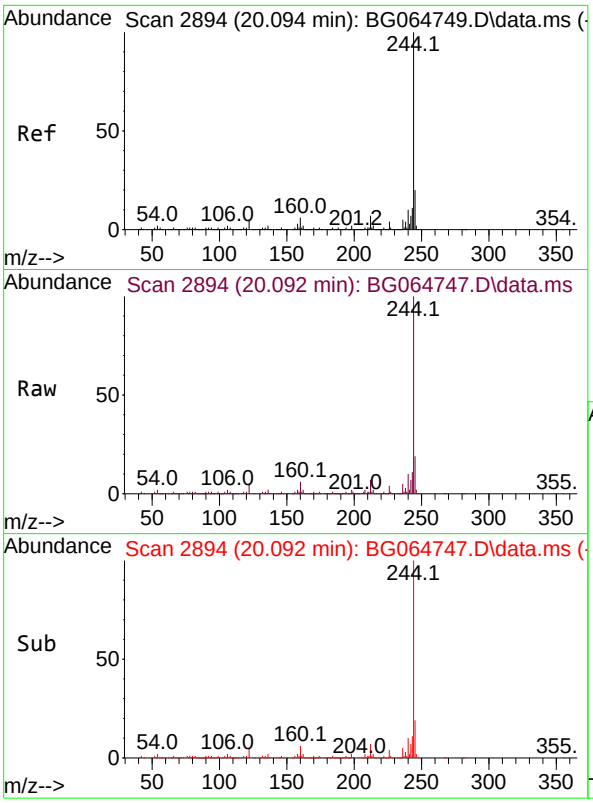


#78
Pyrene
Concen: 9.719 ng
RT: 19.898 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:202 Resp: 199370

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.9	26.9
203	18.1	14.0	21.0





#79
Terphenyl-d14
Concen: 20.217 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

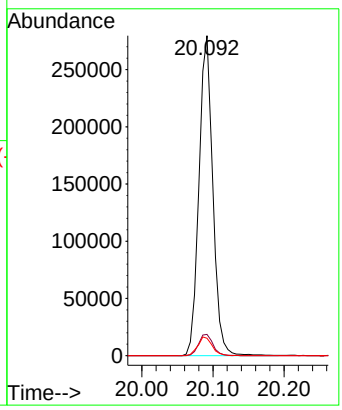
Tgt Ion:244 Resp: 376175

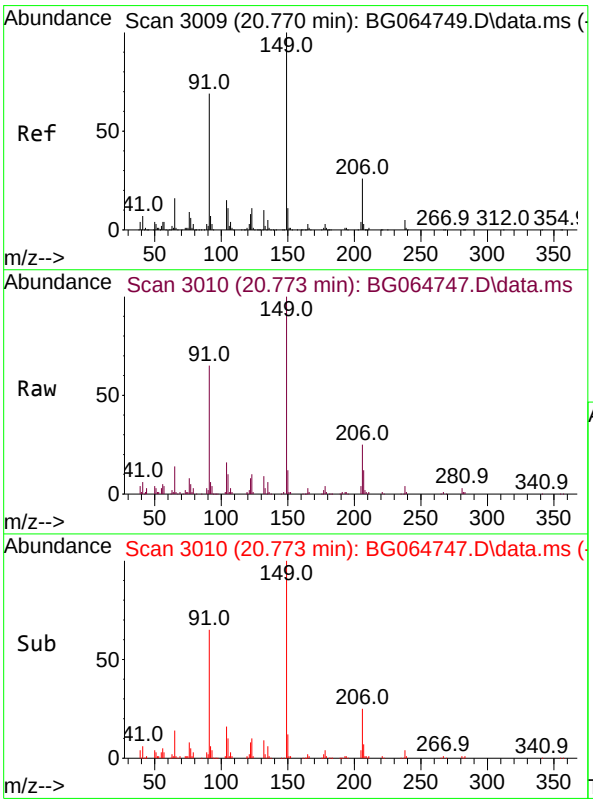
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	5.5	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

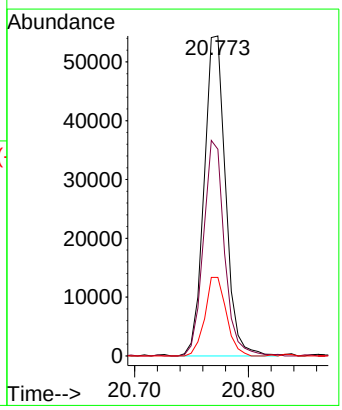


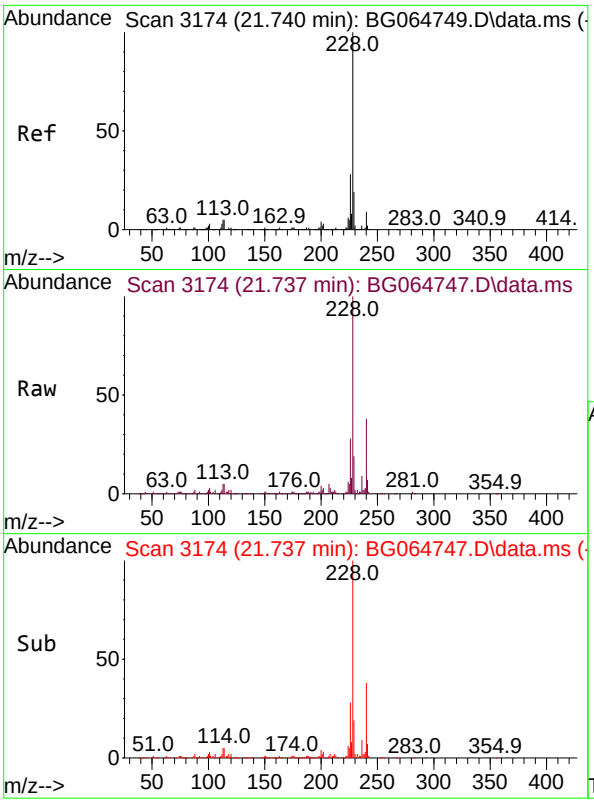


#80
Butylbenzylphthalate
Concen: 9.908 ng
RT: 20.773 min Scan# 3010
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 71488

Ion	Ratio	Lower	Upper
149	100		
91	64.6	54.9	82.3
206	24.5	21.2	31.8

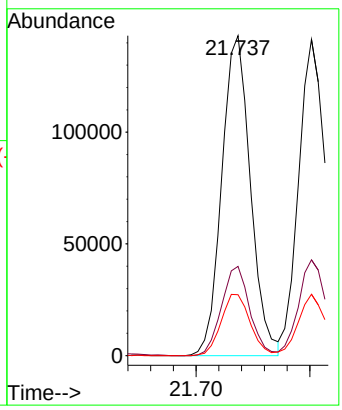




#81
Benzo(a)anthracene
Concen: 10.079 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:228 Resp: 25084

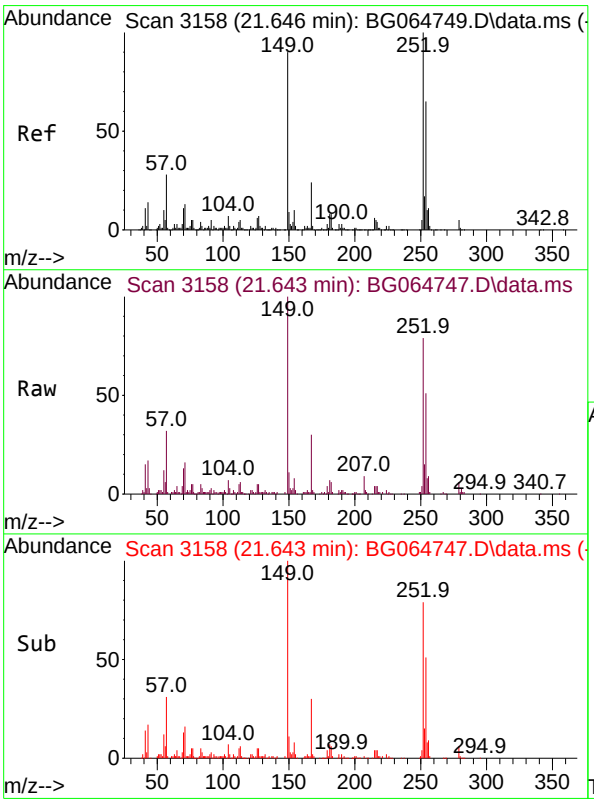
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	19.0	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

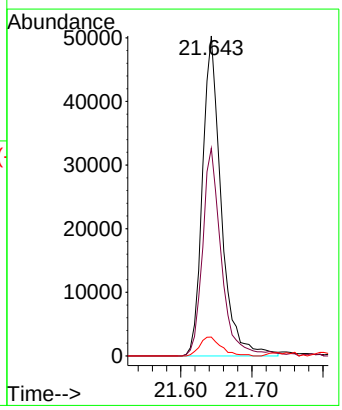
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

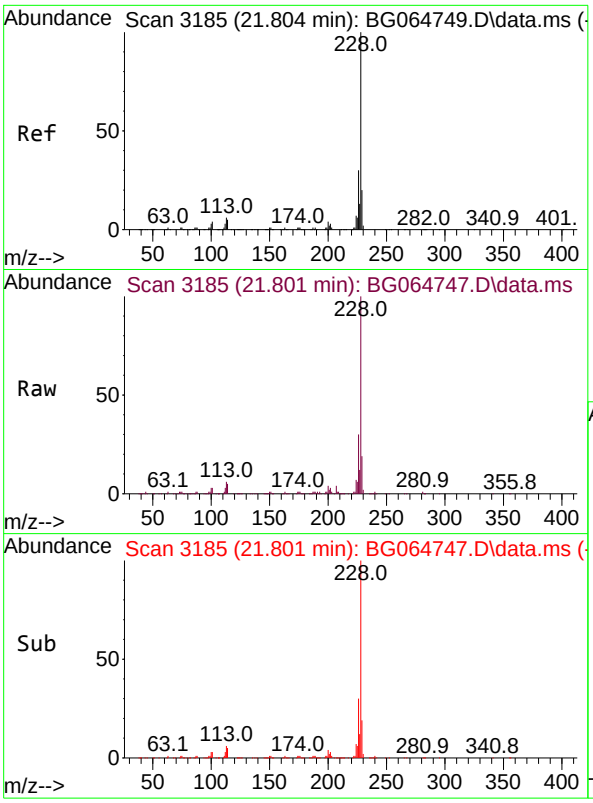


#82
3,3'-Dichlorobenzidine
Concen: 10.018 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 91769

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.8
126	5.9	4.7	7.1





#83
Chrysene
Concen: 10.080 ng
RT: 21.801 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

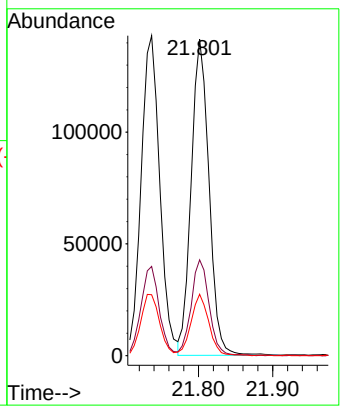
Tgt Ion:228 Resp: 23651

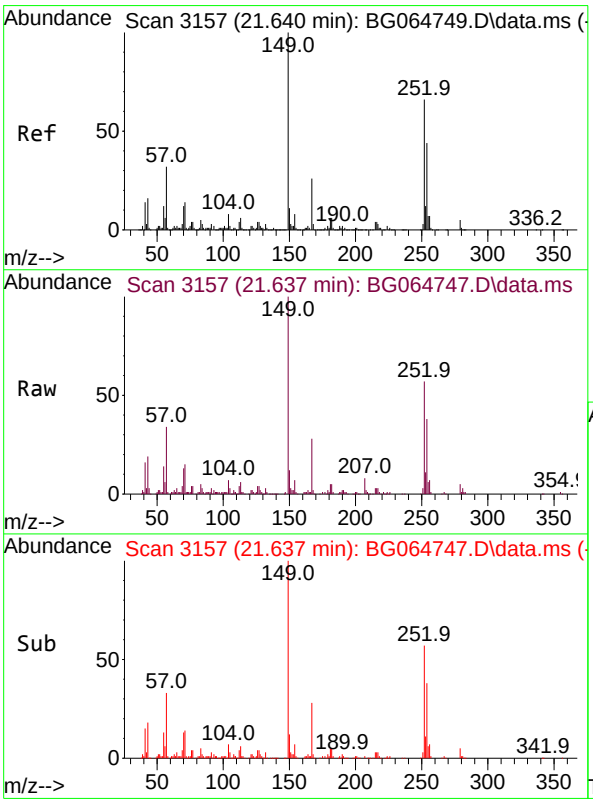
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.4	16.0	24.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

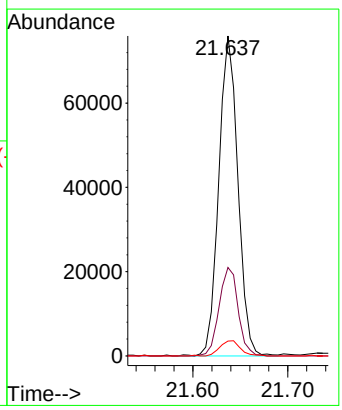


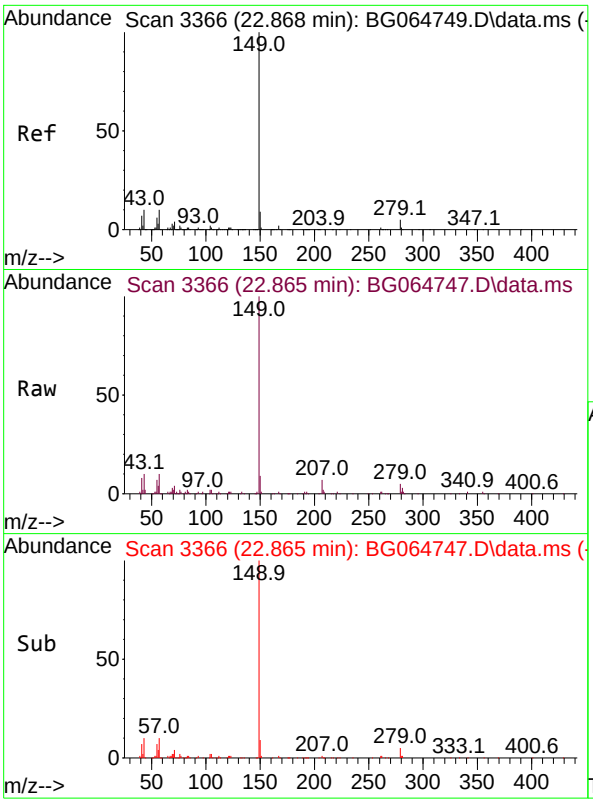


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.092 ng
RT: 21.637 min Scan# 3157
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 106405

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.0	31.4
279	4.6	4.1	6.1

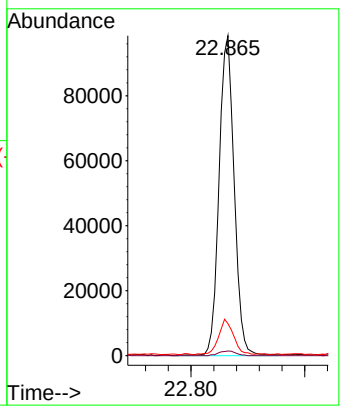




#85
Di-n-octyl phthalate
Concen: 9.967 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 18165

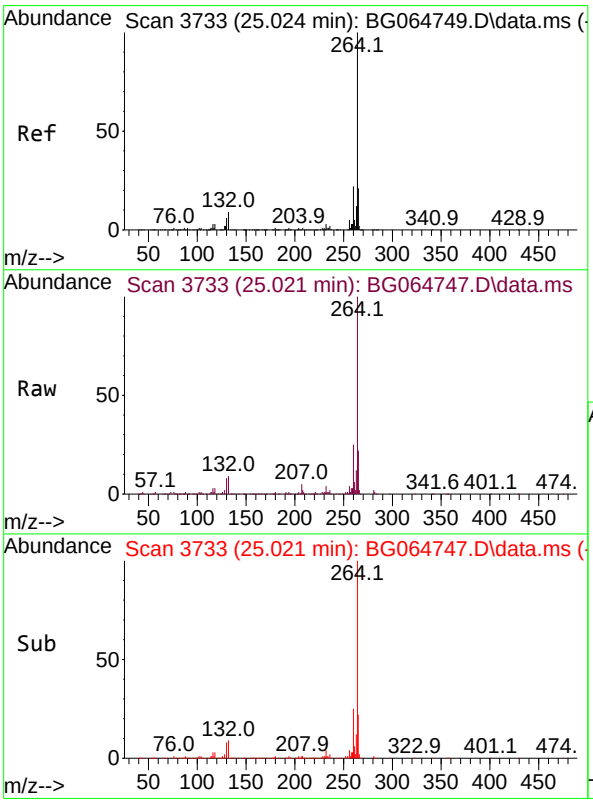
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

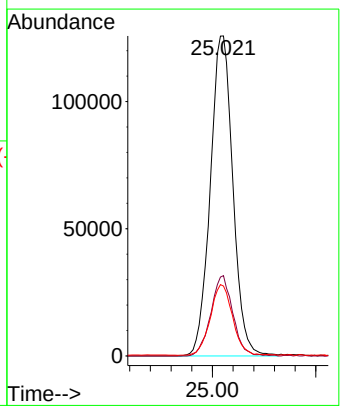
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

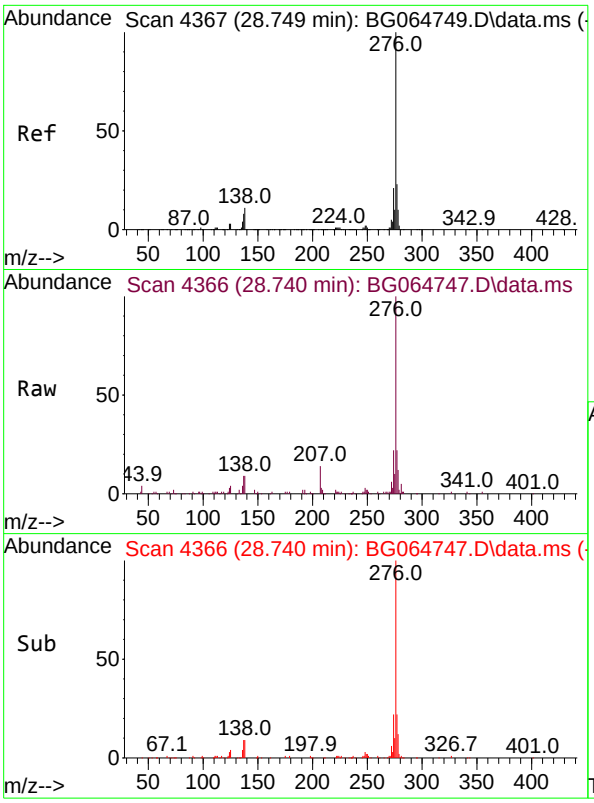


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3733
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:264 Resp: 382667

Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.2	25.8
265	21.9	16.6	25.0

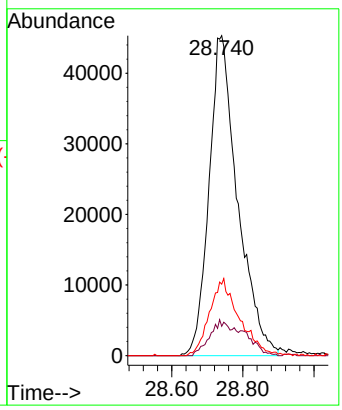




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.636 ng
RT: 28.740 min Scan# 4
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:276 Resp: 25332

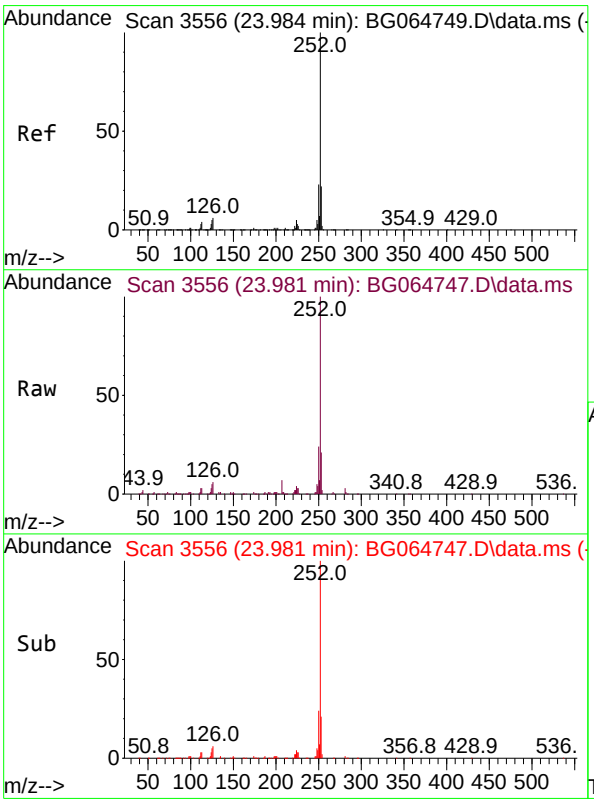
Ion	Ratio	Lower	Upper
276	100		
138	9.2	4.5	6.7
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

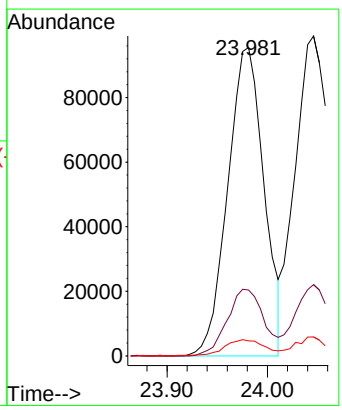
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

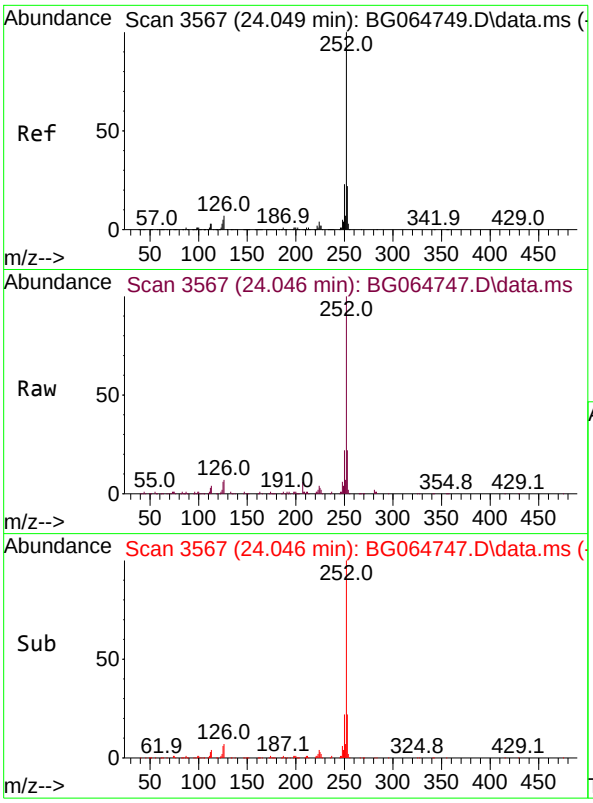


#88
Benzo(b)fluoranthene
Concen: 9.825 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 239260

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	4.8	4.2	6.2

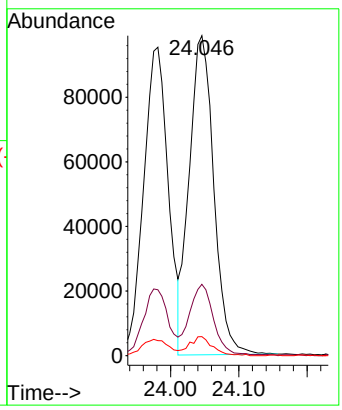




#89
Benzo(k)fluoranthene
Concen: 10.137 ng
RT: 24.046 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 24800

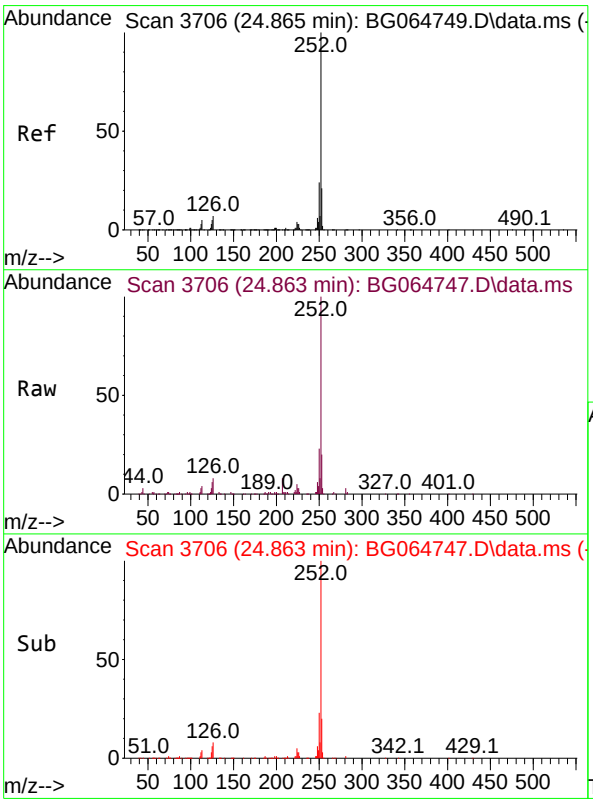
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	5.9	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

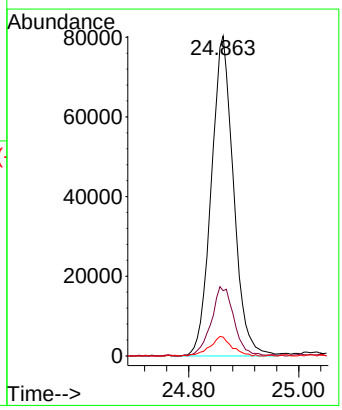
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

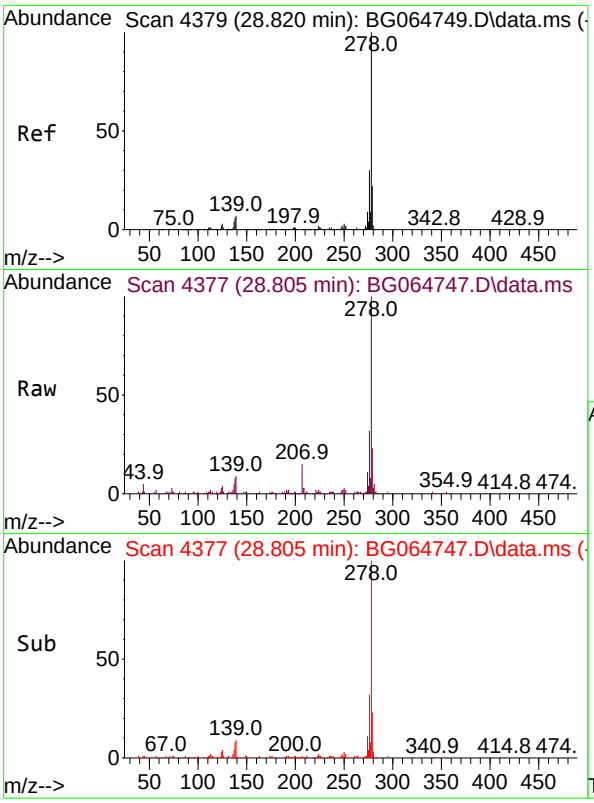


#90
Benzo(a)pyrene
Concen: 9.960 ng
RT: 24.863 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 224991

Ion	Ratio	Lower	Upper
252	100		
253	20.4	16.9	25.3
125	5.9	4.2	6.4

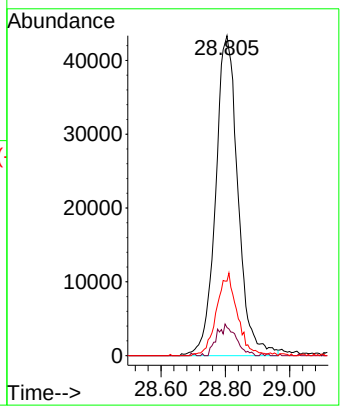




#91
Dibenzo(a,h)anthracene
Concen: 9.702 ng
RT: 28.805 min Scan# 4
Delta R.T. -0.015 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:278 Resp: 20896

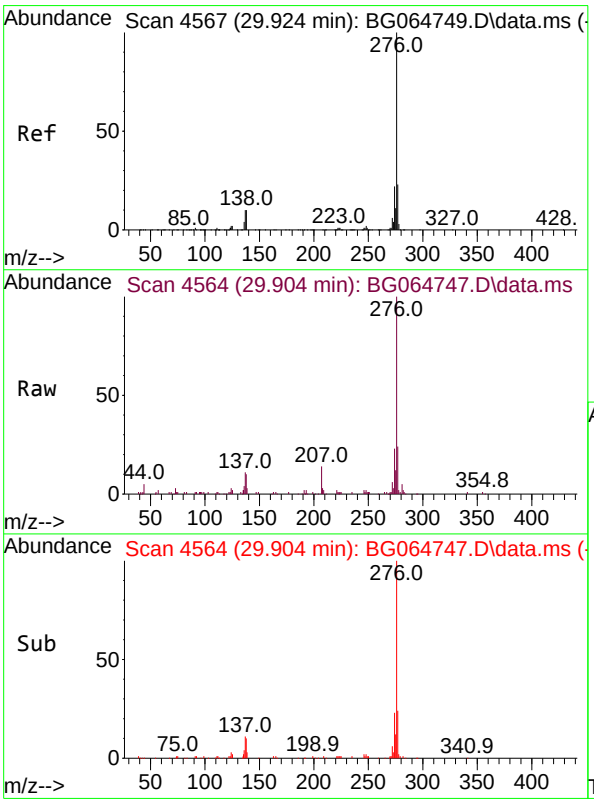
Ion	Ratio	Lower	Upper
278	100		
139	8.8	5.8	8.8#
279	23.3	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

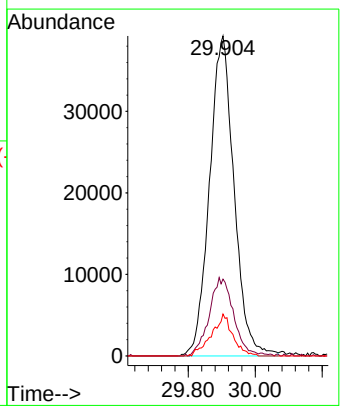
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 9.639 ng
RT: 29.904 min Scan# 4564
Delta R.T. -0.020 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:276 Resp: 199793

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.0	27.0
138	13.1	8.2	12.2#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	30983	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	122144	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	99587	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	258312	20.000	ng	0.00
76) Chrysene-d12	21.757	240	361266	20.000	ng	0.00
86) Perylene-d12	25.018	264	380612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	72167	40.674	ng	0.00
7) Phenol-d6	7.304	99	95345	40.402	ng	0.00
23) Nitrobenzene-d5	9.325	82	100042	40.496	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	81708	42.069	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	300532	42.108	ng	0.00
79) Terphenyl-d14	20.089	244	766056	41.712	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.532	88	13788	20.073	ng	95
3) Pyridine	3.943	79	40729	19.901	ng	97
4) n-Nitrosodimethylamine	3.849	42	20577	19.754	ng	100
6) Aniline	7.480	93	65205	20.729	ng	96
8) 2-Chlorophenol	7.727	128	39290	20.167	ng	97
9) Benzaldehyde	7.292	77	30372	19.661	ng	96
10) Phenol	7.333	94	51616	20.103	ng	97
11) bis(2-Chloroethyl)ether	7.574	93	37916	20.752	ng	98
12) 1,3-Dichlorobenzene	8.056	146	46058	20.545	ng	96
13) 1,4-Dichlorobenzene	8.203	146	47387	20.759	ng	96
14) 1,2-Dichlorobenzene	8.526	146	44745	20.216	ng	96
15) Benzyl Alcohol	8.397	79	38065	19.651	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.696	45	91675	21.198	ng	98
17) 2-Methylphenol	8.596	107	37068	20.403	ng	93
18) Hexachloroethane	9.266	117	17722	20.498	ng	97
19) n-Nitroso-di-n-propyla...	8.967	70	34572	21.667	ng	94
20) 3+4-Methylphenols	8.925	107	50448	20.269	ng	88
22) Acetophenone	8.984	105	70914	21.310	ng	99
24) Nitrobenzene	9.366	77	52662	21.097	ng	93
25) Isophorone	9.895	82	97191	20.659	ng	95
26) 2-Nitrophenol	10.089	139	23040	20.521	ng	96
27) 2,4-Dimethylphenol	10.136	122	41015	20.563	ng	97
28) bis(2-Chloroethoxy)met...	10.371	93	54247	21.004	ng	100
29) 2,4-Dichlorophenol	10.623	162	44768	20.905	ng	95
30) 1,2,4-Trichlorobenzene	10.847	180	54086	20.916	ng	99
31) Naphthalene	11.035	128	142862	20.633	ng	99
32) Benzoic acid	10.218	122	20309m	18.429	ng	
33) 4-Chloroaniline	11.129	127	58239	21.026	ng	98
34) Hexachlorobutadiene	11.323	225	45189	20.367	ng	98
35) Caprolactam	11.875	113	12678	19.811	ng	95
36) 4-Chloro-3-methylphenol	12.233	107	48730	20.444	ng	98
37) 2-Methylnaphthalene	12.627	142	110208	21.269	ng	99
38) 1-Methylnaphthalene	12.844	142	107491	20.884	ng	96
40) 1,2,4,5-Tetrachloroben...	12.991	216	80735	20.831	ng	99
41) Hexachlorocyclopentadiene	12.974	237	54509	19.622	ng	98
43) 2,4,6-Trichlorophenol	13.214	196	46989	20.658	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.291	196	54340	21.300	ng		95
46)	1,1'-Biphenyl	13.614	154	149187	20.857	ng		97
47)	2-Chloronaphthalene	13.661	162	116198	20.620	ng		97
48)	2-Nitroaniline	13.849	65	37146	20.495	ng		97
49)	Acenaphthylene	14.501	152	198809	20.651	ng		98
50)	Dimethylphthalate	14.219	163	164729	20.940	ng		99
51)	2,6-Dinitrotoluene	14.331	165	31143	20.573	ng		96
52)	Acenaphthene	14.836	154	116463	20.176	ng		97
53)	3-Nitroaniline	14.666	138	29942	20.041	ng		95
54)	2,4-Dinitrophenol	14.871	184	11387	18.387	ng		94
55)	Dibenzofuran	15.171	168	198574	20.809	ng		97
56)	4-Nitrophenol	14.954	139	22343	18.849	ng	#	86
57)	2,4-Dinitrotoluene	15.112	165	47500	20.931	ng		98
58)	Fluorene	15.817	166	158837	21.222	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.388	232	51855	20.601	ng		97
60)	Diethylphthalate	15.571	149	157815	20.942	ng		99
61)	4-Chlorophenyl-phenyle...	15.806	204	93601	20.839	ng		97
62)	4-Nitroaniline	15.811	138	31639	20.442	ng		90
63)	Azobenzene	16.093	77	130344	20.795	ng		97
65)	4,6-Dinitro-2-methylph...	15.876	198	25607	17.855	ng		96
66)	n-Nitrosodiphenylamine	16.011	169	140419	20.753	ng		100
67)	4-Bromophenyl-phenylether	16.693	248	69609	20.520	ng		98
68)	Hexachlorobenzene	16.816	284	84192	20.485	ng		98
69)	Atrazine	16.945	200	66348	20.339	ng		97
70)	Pentachlorophenol	17.157	266	35678	19.686	ng		99
71)	Phenanthrene	17.545	178	290163	20.531	ng		100
72)	Anthracene	17.639	178	297476	20.642	ng		100
73)	Carbazole	17.897	167	253683	20.477	ng		99
74)	Di-n-butylphthalate	18.450	149	285465	20.654	ng		98
75)	Fluoranthene	19.542	202	395447	20.462	ng		98
77)	Benzidine	19.707	184	228040	21.077	ng		99
78)	Pyrene	19.901	202	413710	20.433	ng		97
80)	Butylbenzylphthalate	20.770	149	145343	20.408	ng		97
81)	Benzo(a)anthracene	21.734	228	503863	20.512	ng		99
82)	3,3'-Dichlorobenzidine	21.640	252	186980	20.680	ng		99
83)	Chrysene	21.804	228	470111	20.299	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.640	149	216073	20.763	ng		98
85)	Di-n-octyl phthalate	22.862	149	370539	20.598	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.737	276	528109	20.196	ng	#	96
88)	Benzo(b)fluoranthene	23.978	252	494588	20.419	ng		99
89)	Benzo(k)fluoranthene	24.049	252	502781	20.661	ng		98
90)	Benzo(a)pyrene	24.860	252	455638	20.279	ng	#	97
91)	Dibenzo(a,h)anthracene	28.808	278	429357	20.043	ng		93
92)	Benzo(g,h,i)perylene	29.901	276	415387	20.148	ng		99

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

ICAL Form

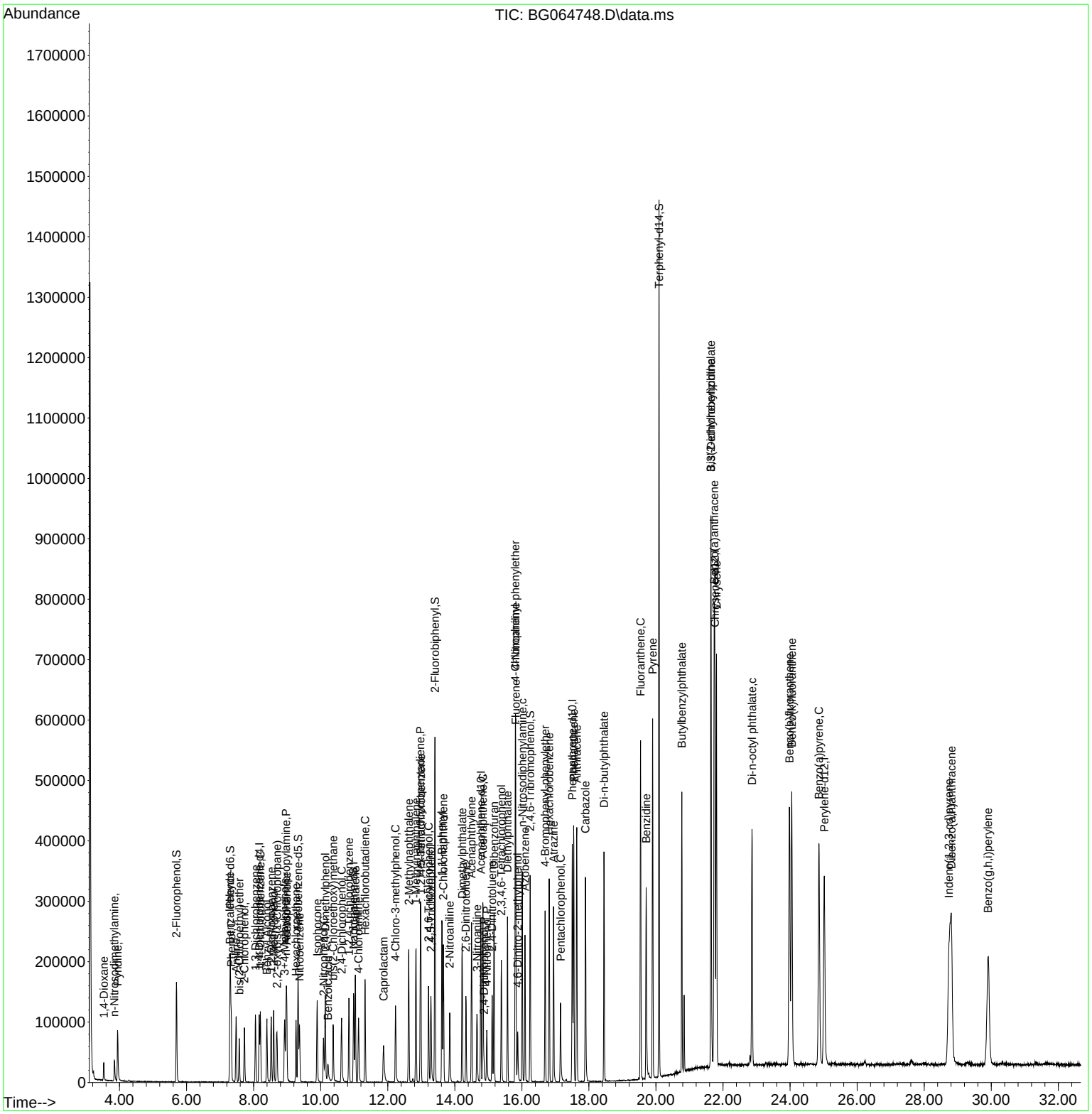
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

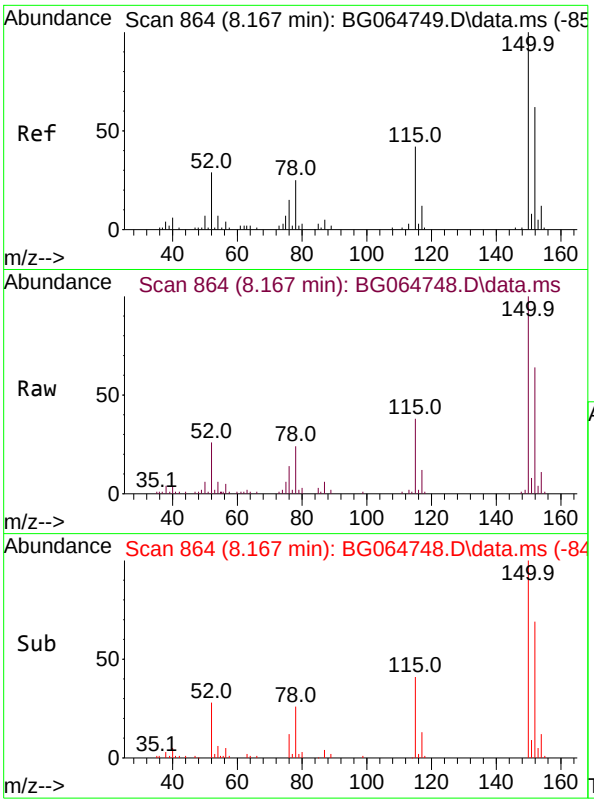
Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

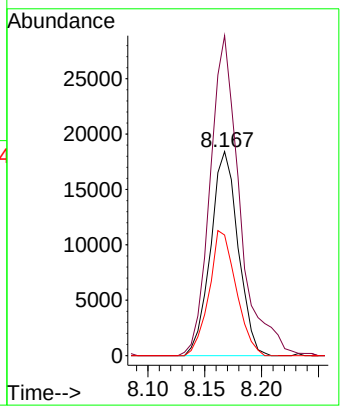




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:152 Resp: 3098

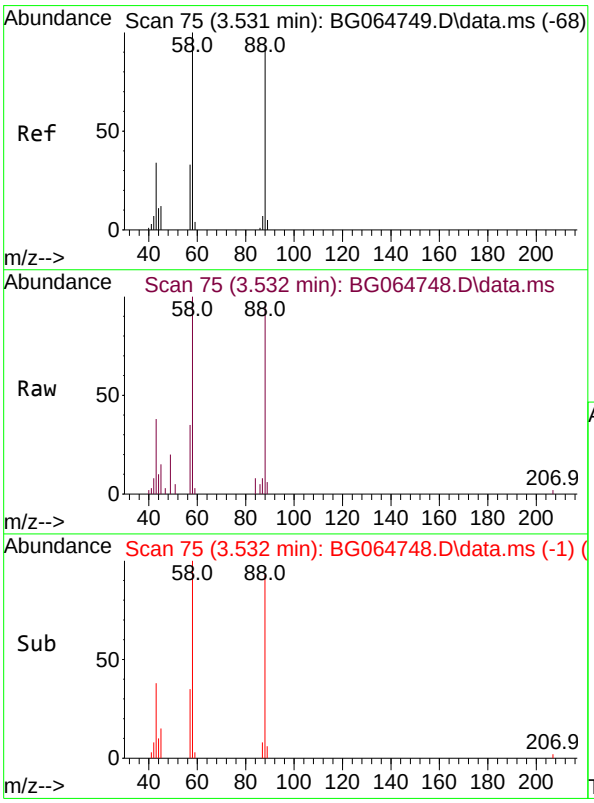
Ion	Ratio	Lower	Upper
152	100		
150	156.8	129.2	193.8
115	59.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

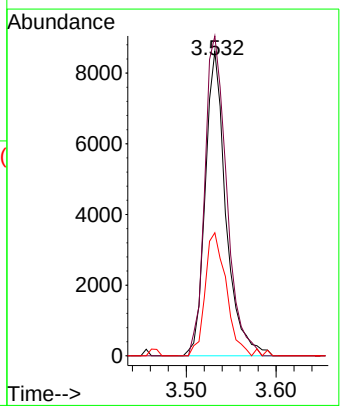
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

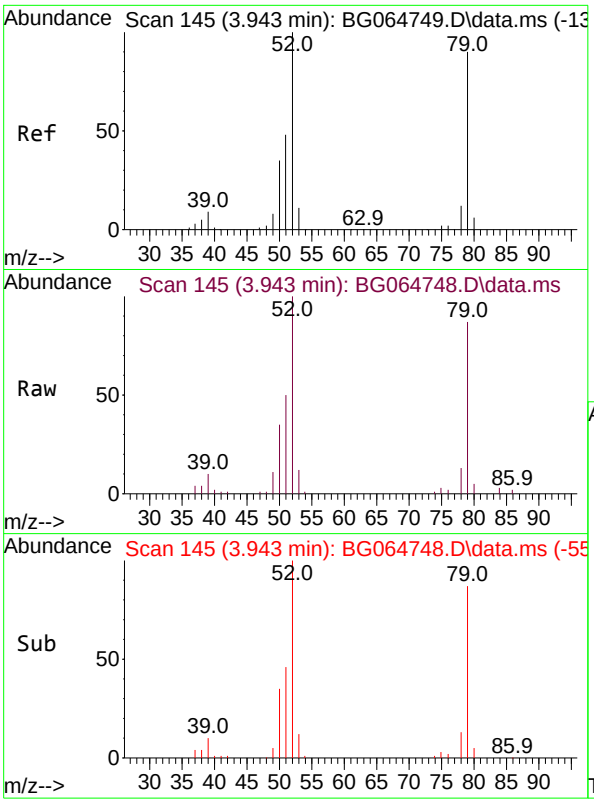


#2
1,4-Dioxane
Concen: 20.073 ng
RT: 3.532 min Scan# 75
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 88 Resp: 13788

Ion	Ratio	Lower	Upper
88	100		
58	110.7	84.6	126.8
43	41.3	30.0	45.0

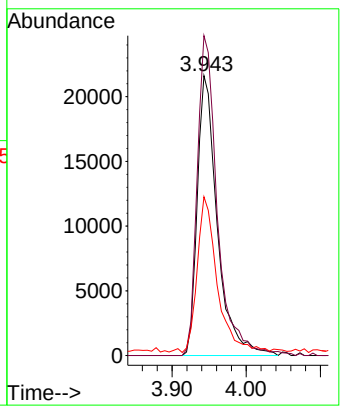




#3
Pyridine
Concen: 19.901 ng
RT: 3.943 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 79 Resp: 4072

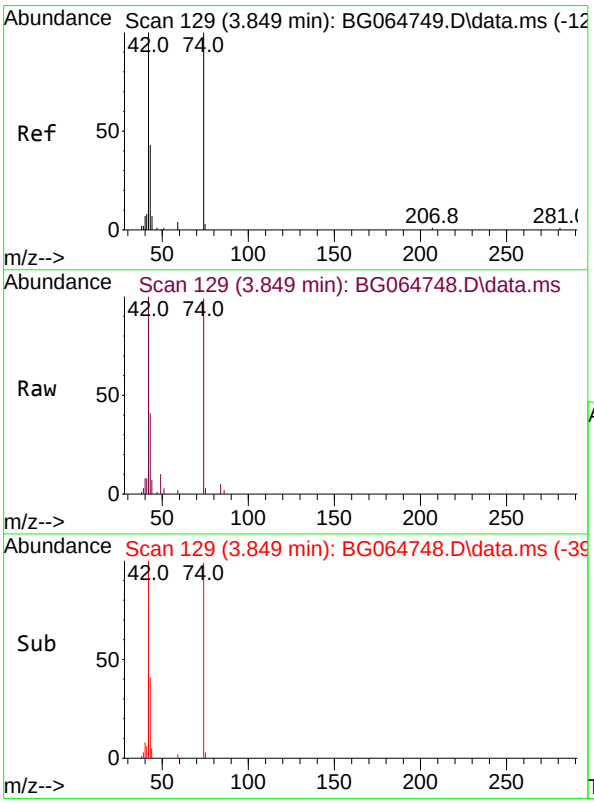
Ion	Ratio	Lower	Upper
79	100		
52	114.3	89.0	133.4
51	56.7	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

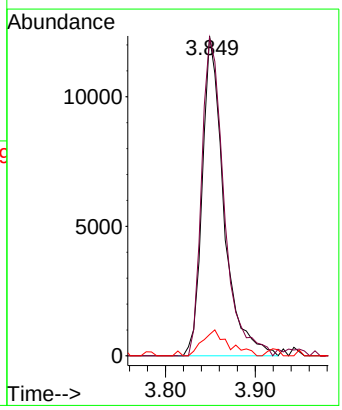
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

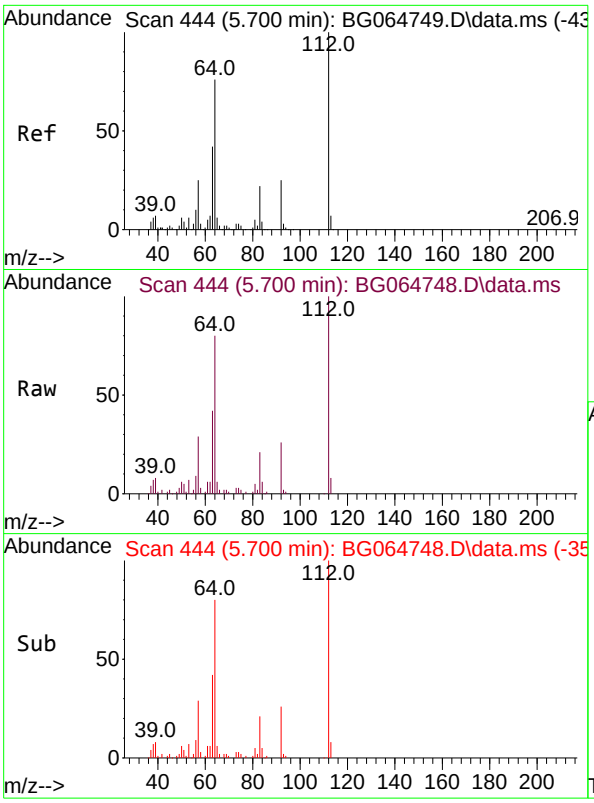


#4
n-Nitrosodimethylamine
Concen: 19.754 ng
RT: 3.849 min Scan# 129
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 42 Resp: 20577

Ion	Ratio	Lower	Upper
42	100		
74	99.5	79.8	119.6
44	6.7	5.9	8.9





#5
2-Fluorophenol
Concen: 40.674 ng
RT: 5.700 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

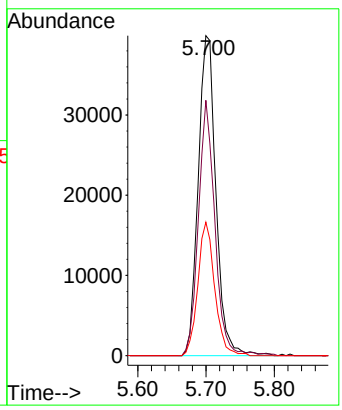
Tgt Ion:112 Resp: 7216

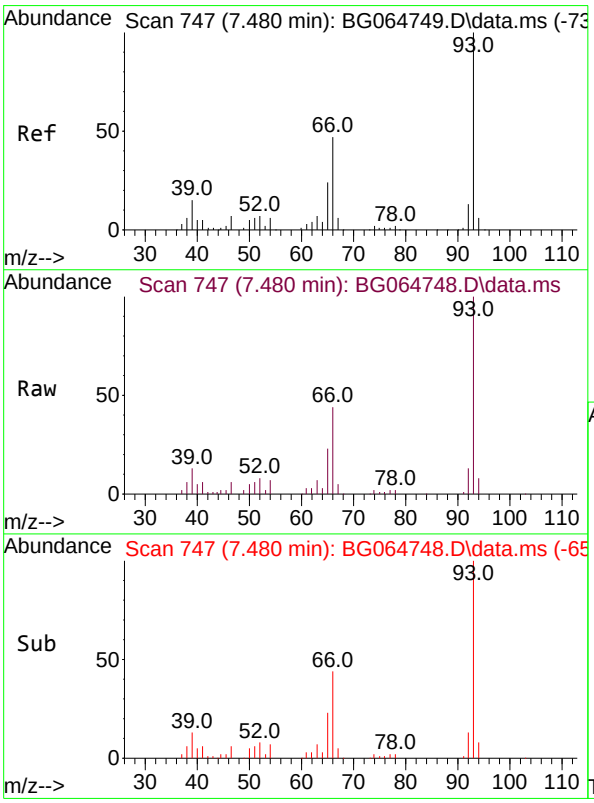
Ion	Ratio	Lower	Upper
112	100		
64	79.8	61.0	91.4
63	41.7	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

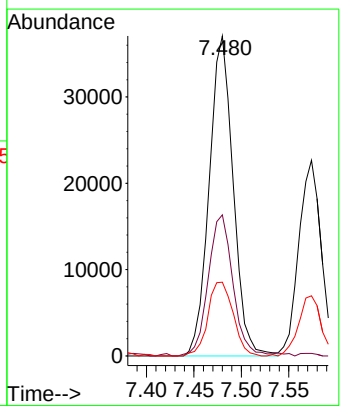


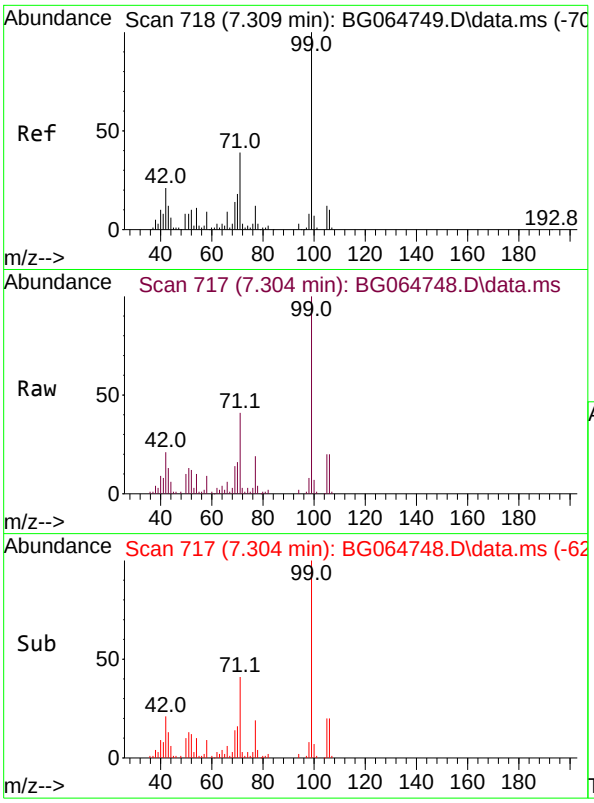


#6
Aniline
Concen: 20.729 ng
RT: 7.480 min Scan# 747
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 65205

Ion	Ratio	Lower	Upper
93	100		
66	44.1	37.7	56.5
65	23.0	19.1	28.7

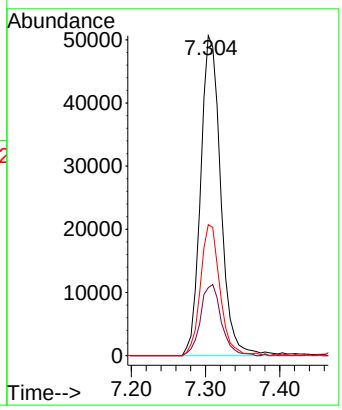




#7
Phenol-d6
Concen: 40.402 ng
RT: 7.304 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 99 Resp: 9534

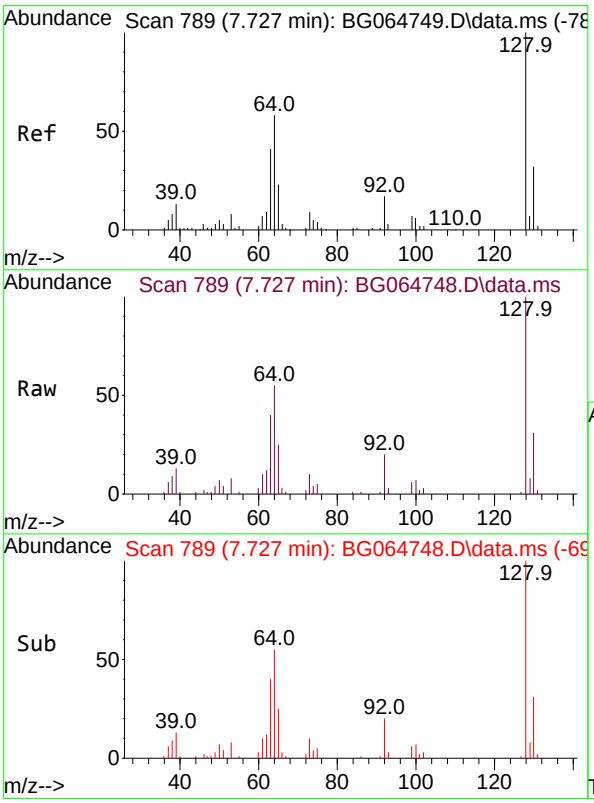
Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	40.9	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

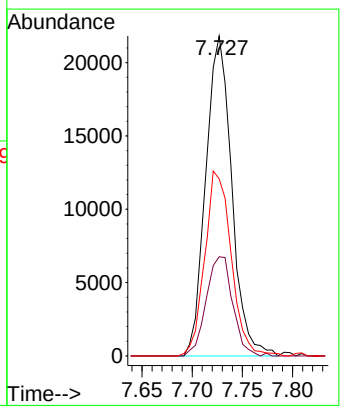
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

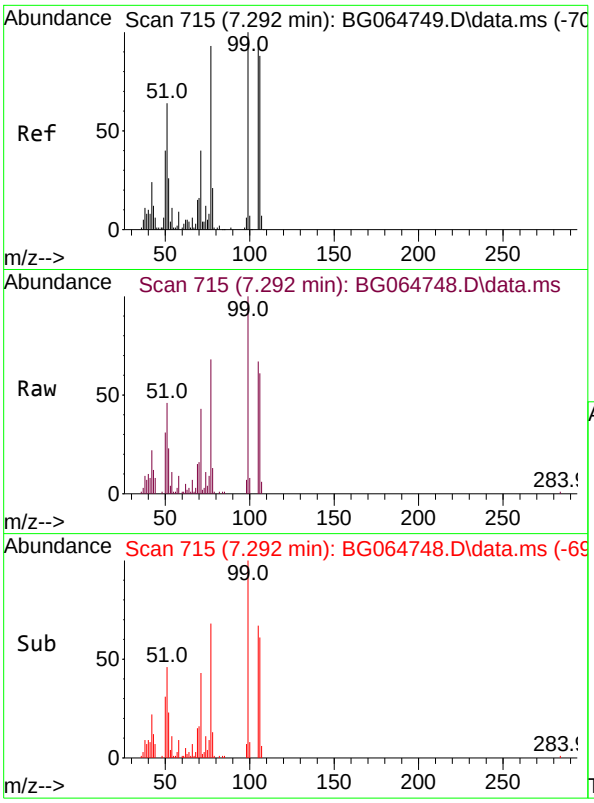


#8
2-Chlorophenol
Concen: 20.167 ng
RT: 7.727 min Scan# 789
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:128 Resp: 39290

Ion	Ratio	Lower	Upper
128	100		
130	31.0	11.9	51.9
64	55.3	38.4	78.4

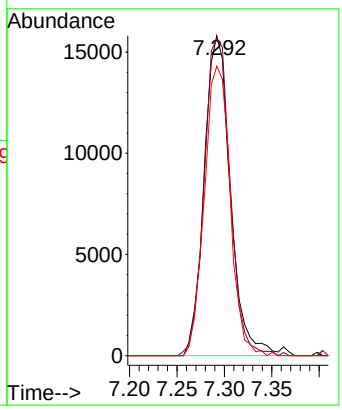




#9
Benzaldehyde
Concen: 19.661 ng
RT: 7.292 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 3037

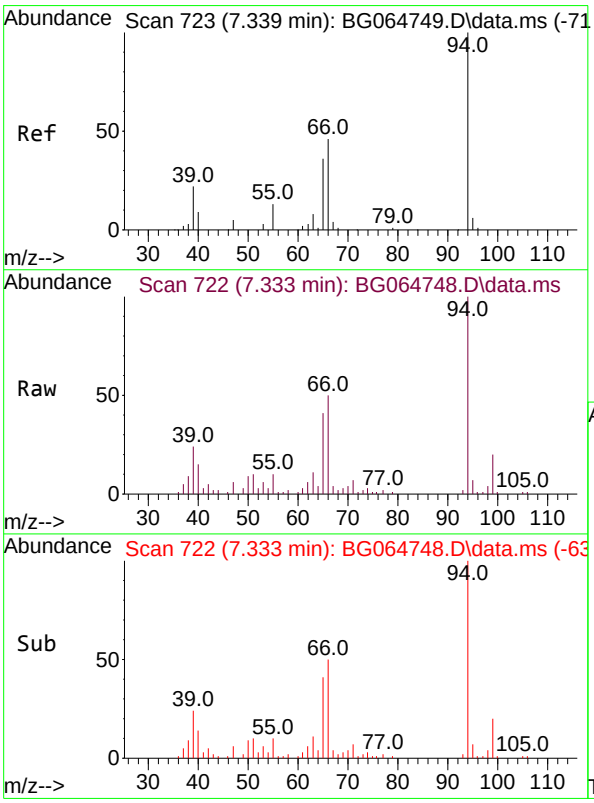
Ion	Ratio	Lower	Upper
77	100		
105	99.1	83.8	123.8
106	90.5	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

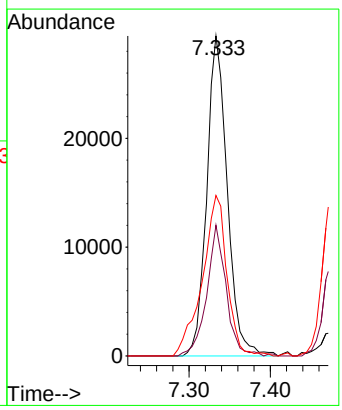
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

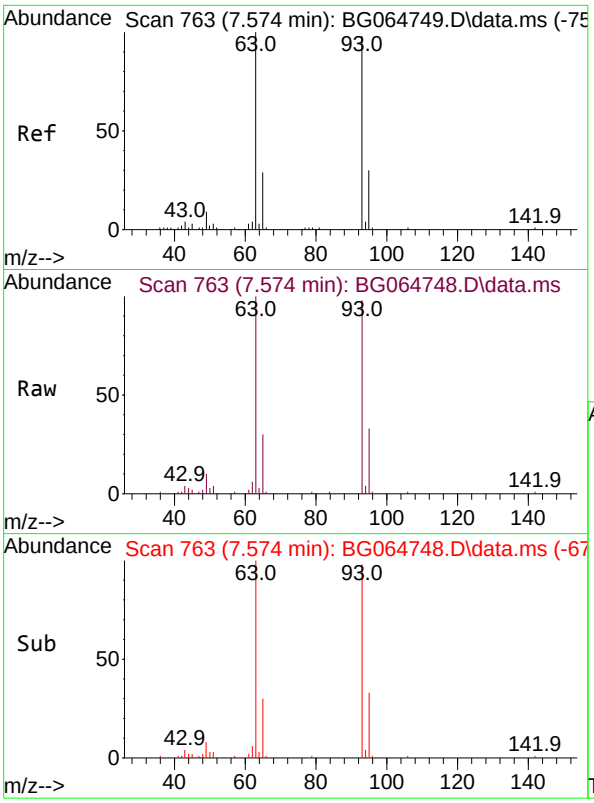


#10
Phenol
Concen: 20.103 ng
RT: 7.333 min Scan# 722
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 94 Resp: 51616

Ion	Ratio	Lower	Upper
94	100		
65	40.8	17.0	57.0
66	50.1	29.8	69.8

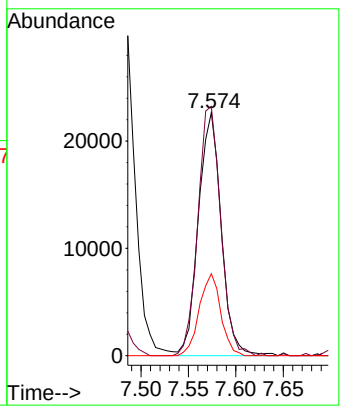




#11
bis(2-Chloroethyl)ether
Concen: 20.752 ng
RT: 7.574 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 3791

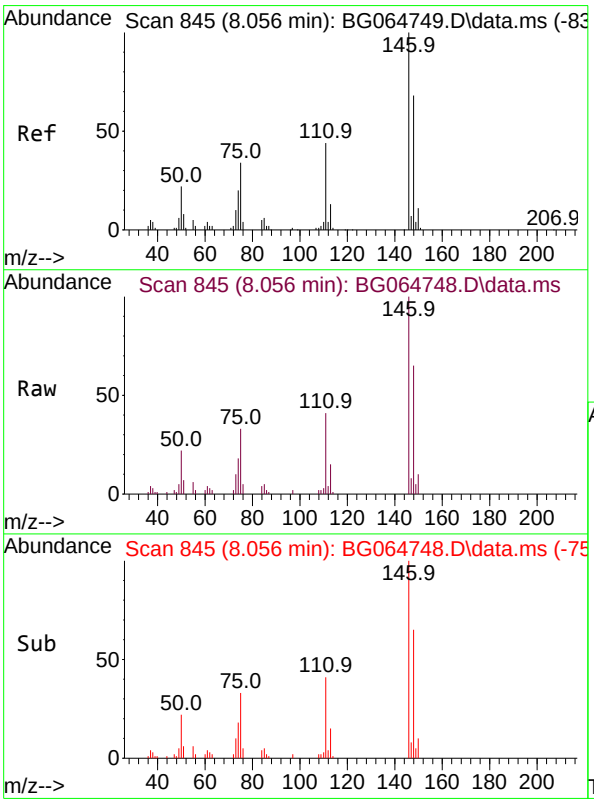
Ion	Ratio	Lower	Upper
93	100		
63	102.5	81.8	121.8
95	33.7	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

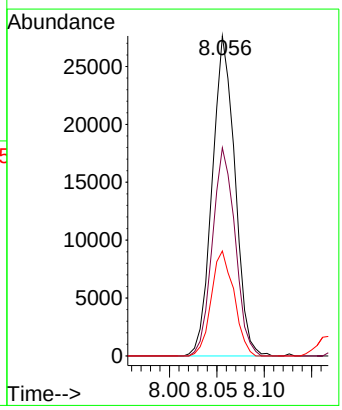
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

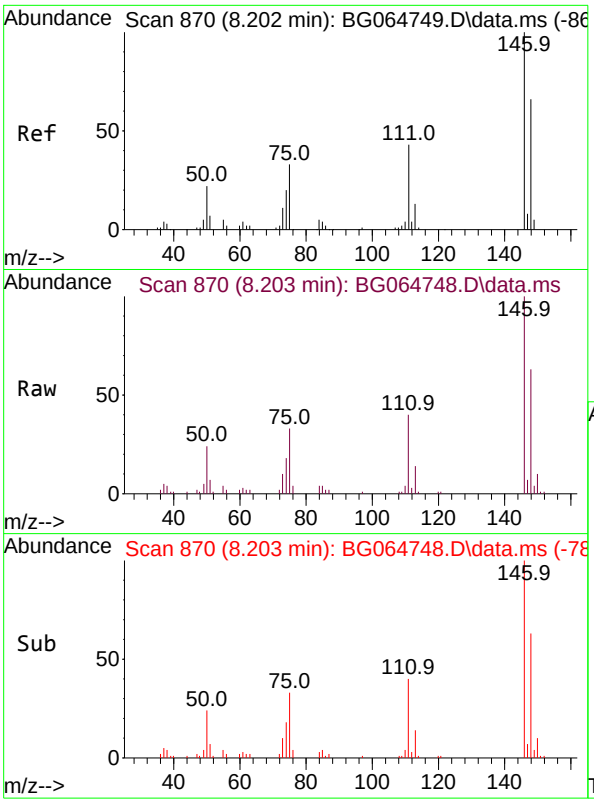


#12
1,3-Dichlorobenzene
Concen: 20.545 ng
RT: 8.056 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 46058

Ion	Ratio	Lower	Upper
146	100		
148	65.0	54.6	82.0
75	32.8	27.6	41.4

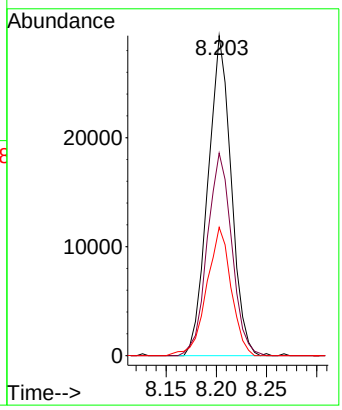




#13
1,4-Dichlorobenzene
Concen: 20.759 ng
RT: 8.203 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 4738

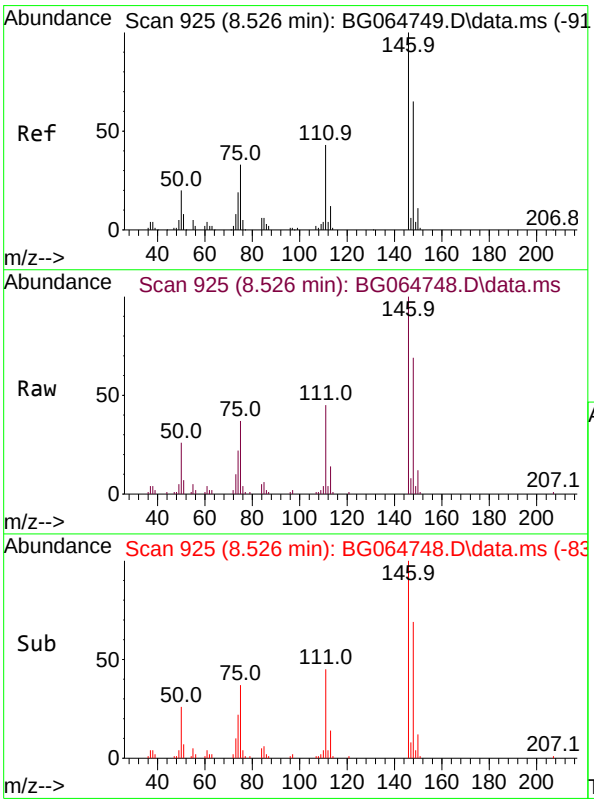
Ion	Ratio	Lower	Upper
146	100		
148	63.3	53.1	79.7
111	40.1	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

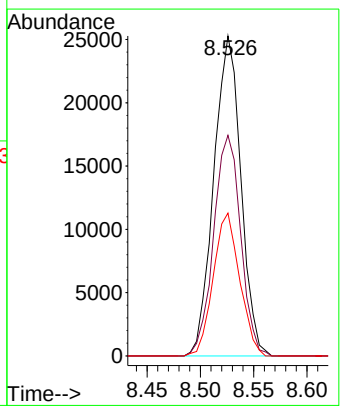
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

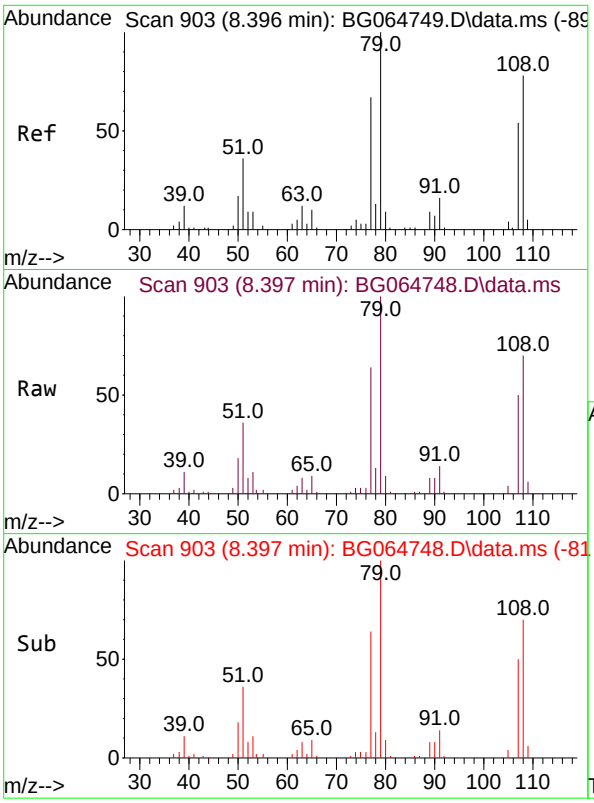


#14
1,2-Dichlorobenzene
Concen: 20.216 ng
RT: 8.526 min Scan# 925
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 44745

Ion	Ratio	Lower	Upper
146	100		
148	68.9	52.0	78.0
111	44.6	34.7	52.1

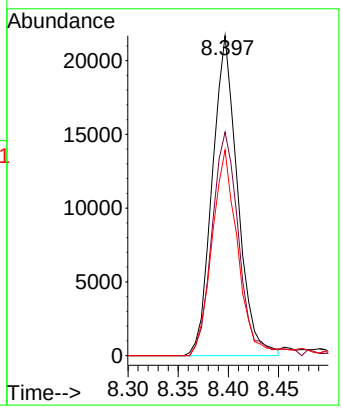




#15
Benzyl Alcohol
Concen: 19.651 ng
RT: 8.397 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 79 Resp: 3806

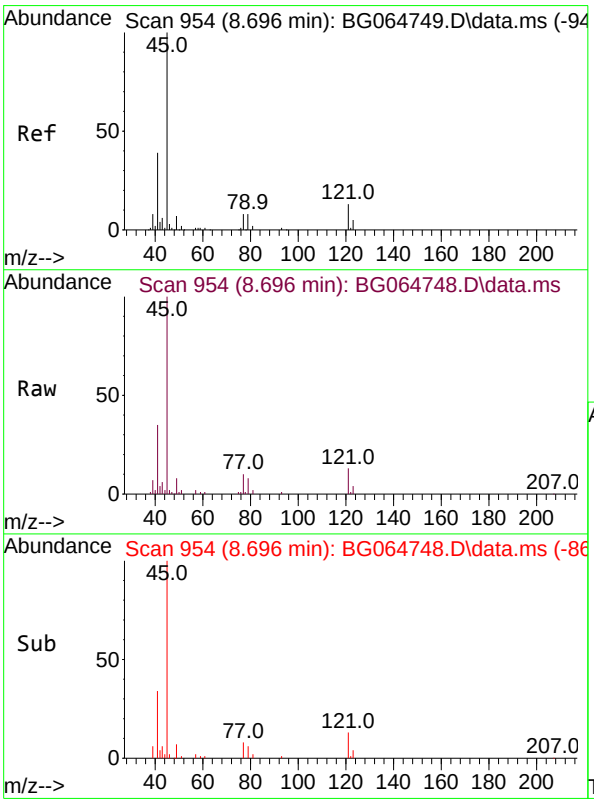
Ion	Ratio	Lower	Upper
79	100		
108	69.8	62.3	93.5
77	64.3	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

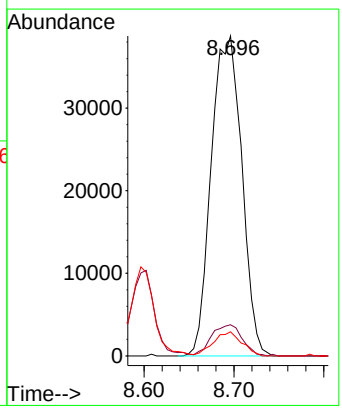
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

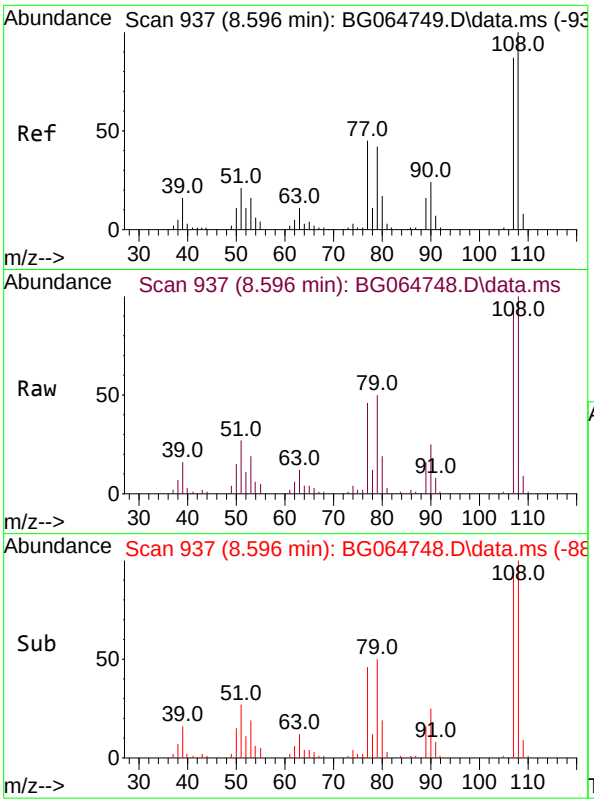


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.198 ng
RT: 8.696 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 45 Resp: 91675

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	28.8
79	7.5	0.0	28.1

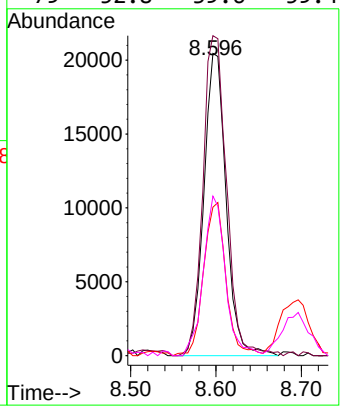




#17
2-Methylphenol
Concen: 20.403 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 3706

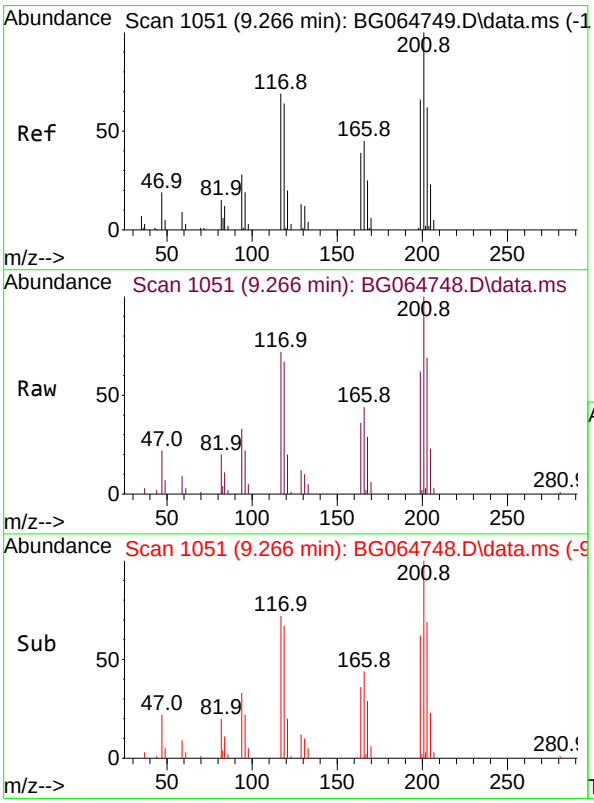
Ion	Ratio	Lower	Upper
107	100		
108	105.9	92.6	138.8
77	49.1	41.2	61.8
79	52.8	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

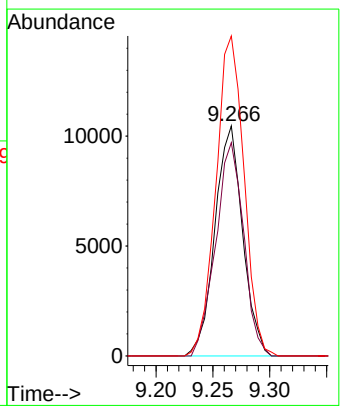
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

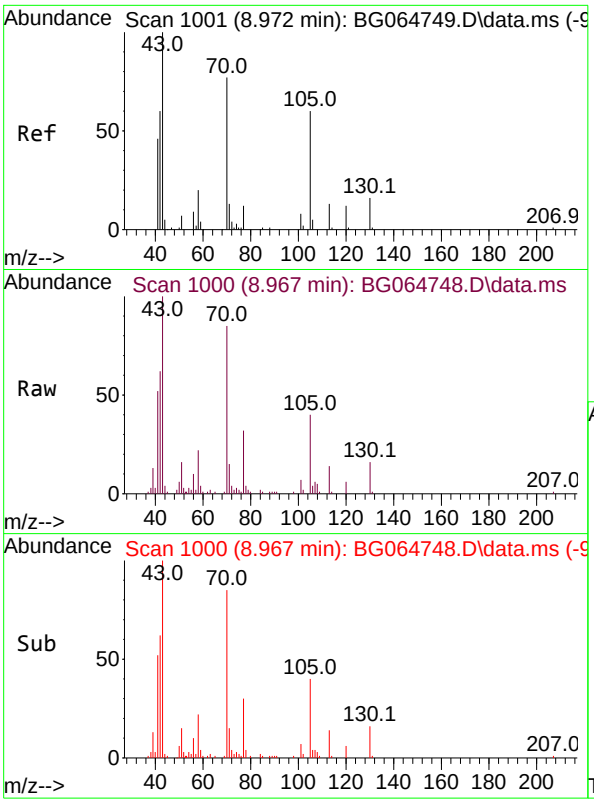


#18
Hexachloroethane
Concen: 20.498 ng
RT: 9.266 min Scan# 1051
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:117 Resp: 17722

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.4	111.6
201	139.1	116.5	174.7

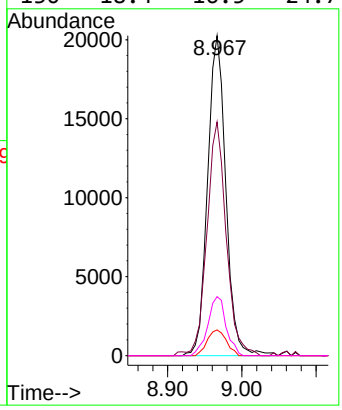




#19
n-Nitroso-di-n-propylamine
Concen: 21.667 ng
RT: 8.967 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 70 Resp: 3457

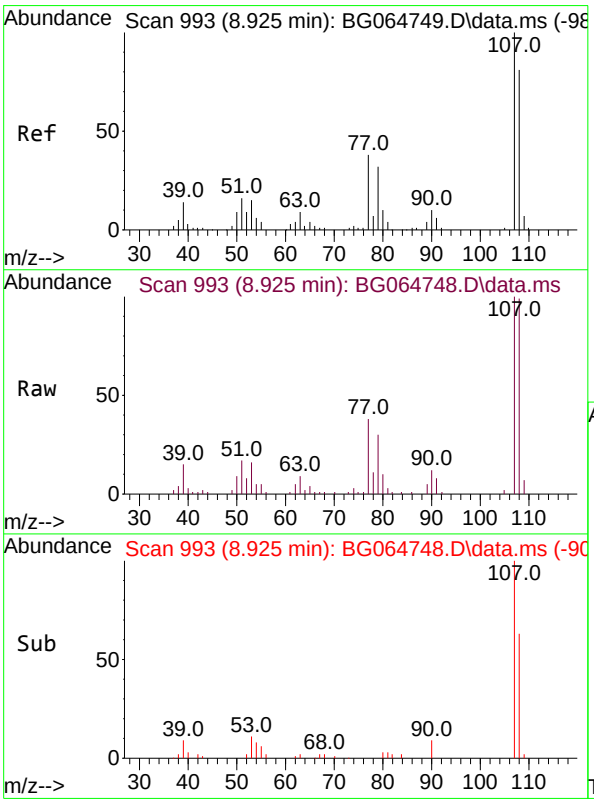
Ion	Ratio	Lower	Upper
70	100		
42	73.0	62.6	93.8
101	8.0	8.0	12.0
130	18.4	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

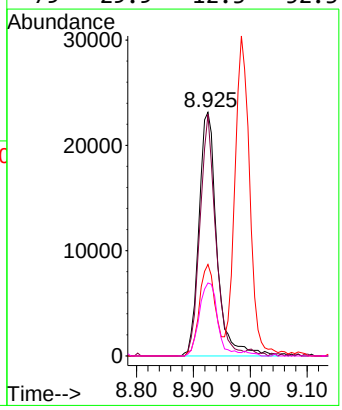
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

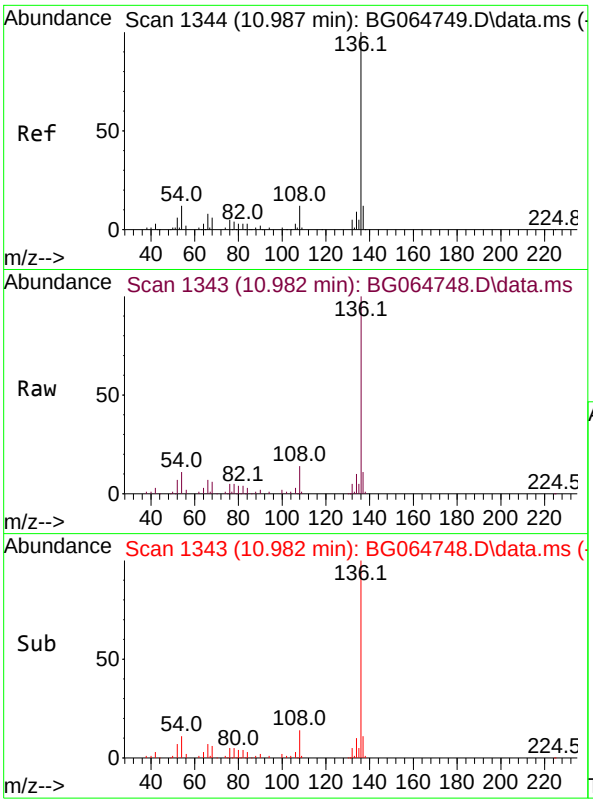


#20
3+4-Methylphenols
Concen: 20.269 ng
RT: 8.925 min Scan# 993
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 50448

Ion	Ratio	Lower	Upper
107	100		
108	99.2	61.0	101.0
77	37.5	17.6	57.6
79	29.9	12.3	52.3

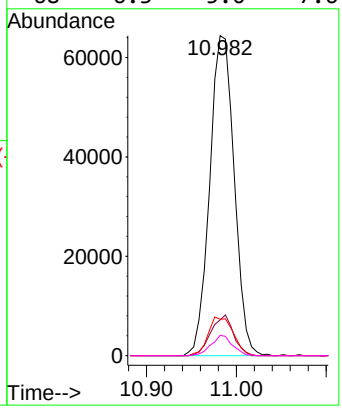




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:136 Resp: 12214

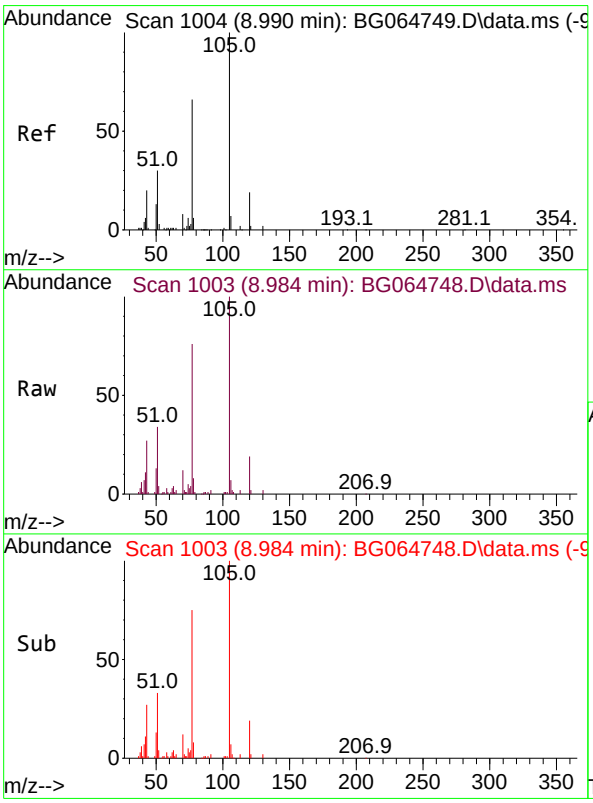
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	11.4	9.3	13.9
68	6.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

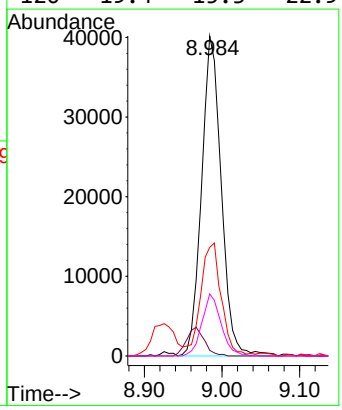
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

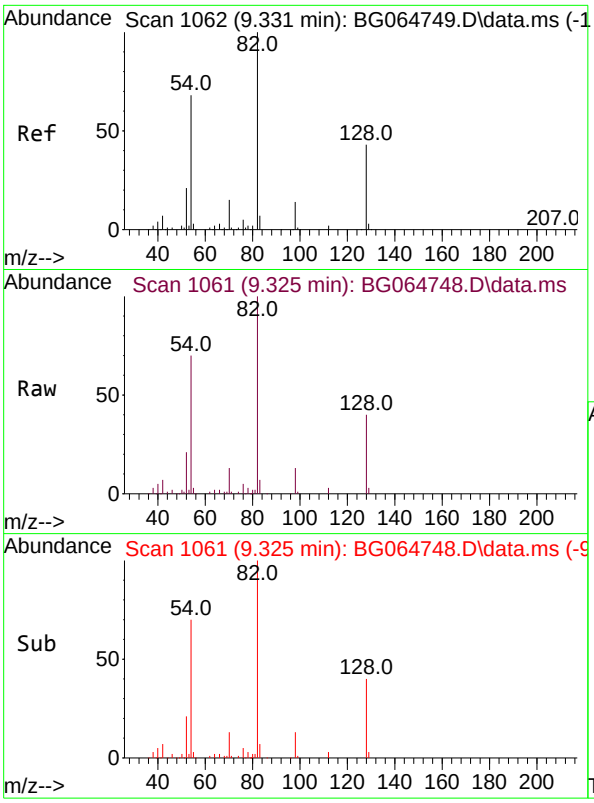


#22
Acetophenone
Concen: 21.310 ng
RT: 8.984 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:105 Resp: 70914

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.3	1.9
51	33.9	27.9	41.9
120	19.4	15.3	22.9

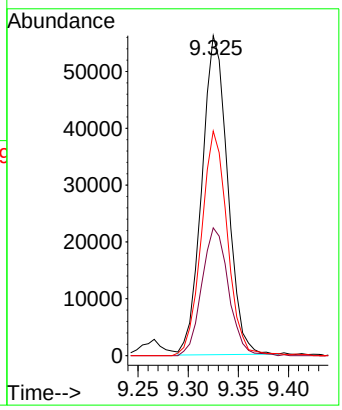




#23
Nitrobenzene-d5
Concen: 40.496 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 82 Resp: 10004

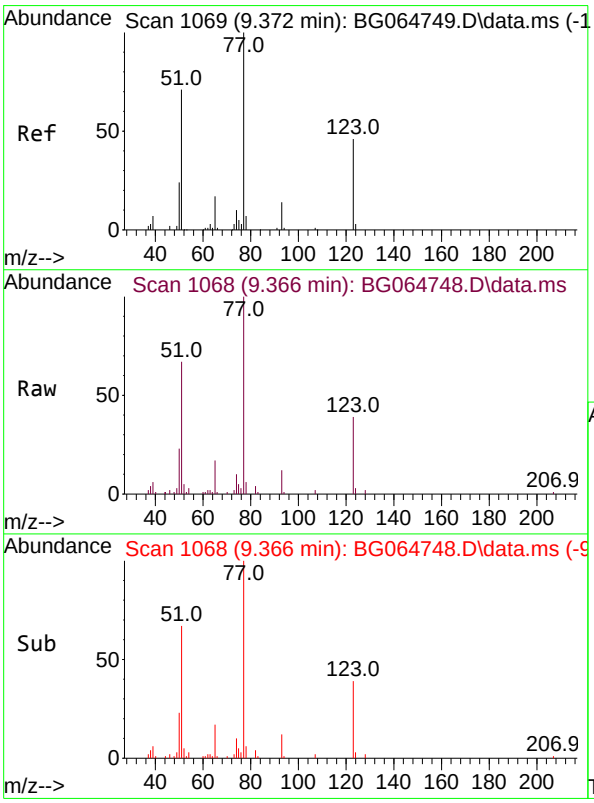
Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.1	51.1
54	70.2	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

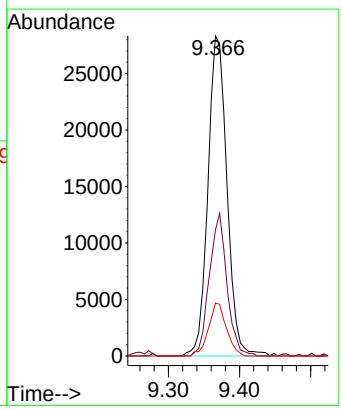
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

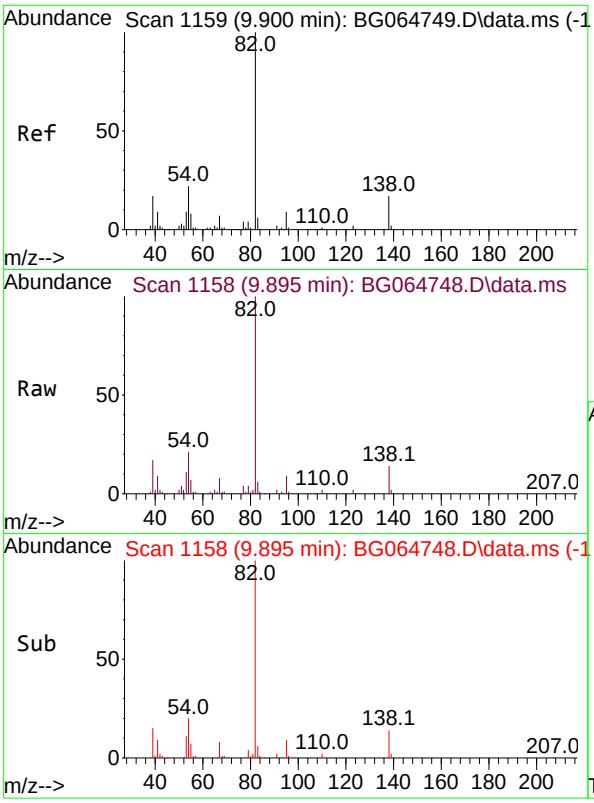


#24
Nitrobenzene
Concen: 21.097 ng
RT: 9.366 min Scan# 1068
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 52662

Ion	Ratio	Lower	Upper
77	100		
123	39.4	36.5	54.7
65	16.5	13.5	20.3

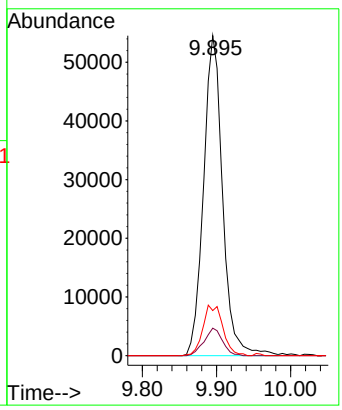




#25
Isophorone
Concen: 20.659 ng
RT: 9.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 82 Resp: 9719

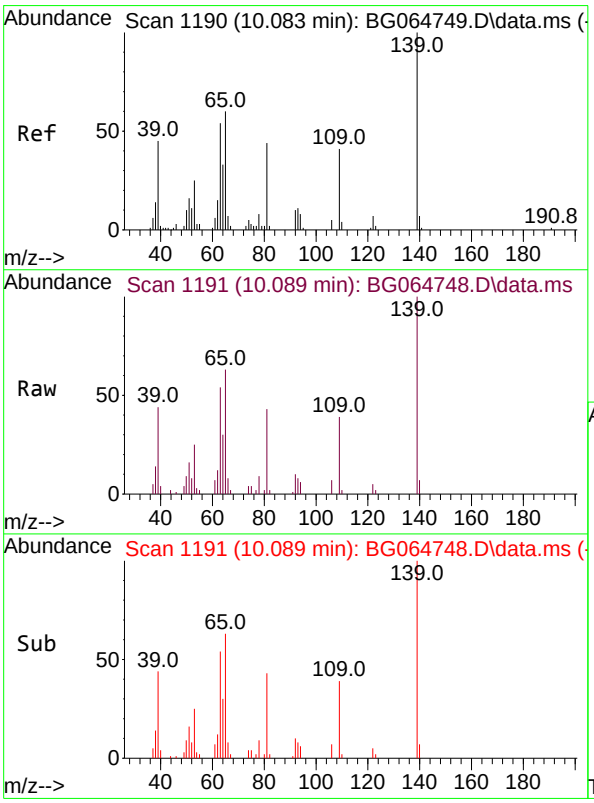
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	14.1	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

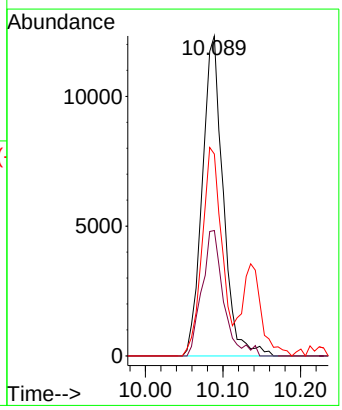
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

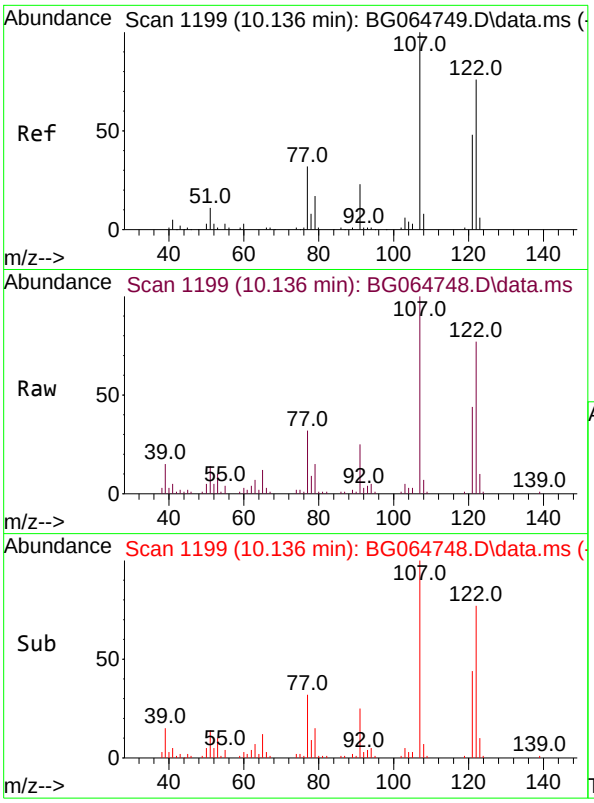


#26
2-Nitrophenol
Concen: 20.521 ng
RT: 10.089 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:139 Resp: 23040

Ion	Ratio	Lower	Upper
139	100		
109	39.2	32.5	48.7
65	63.1	47.6	71.4

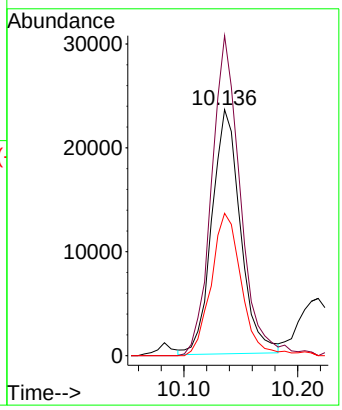




#27
2,4-Dimethylphenol
Concen: 20.563 ng
RT: 10.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:122 Resp: 4101

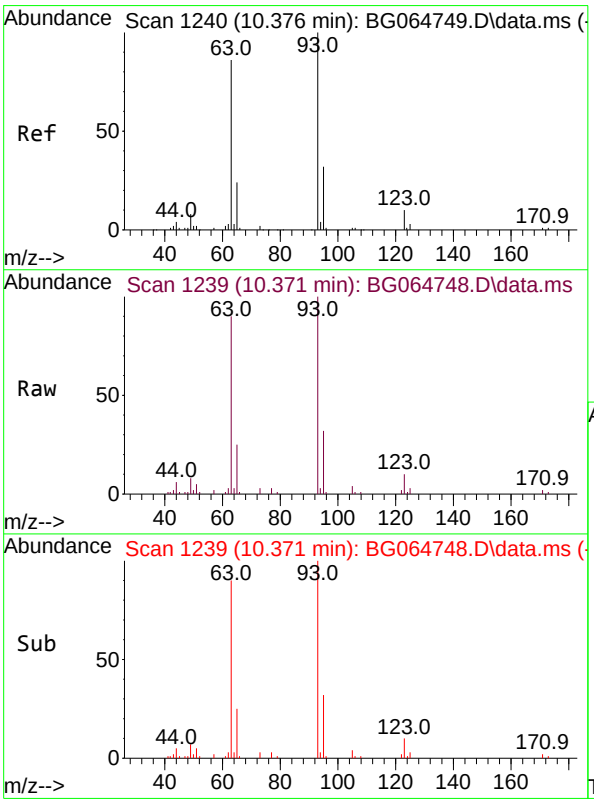
Ion	Ratio	Lower	Upper
122	100		
107	130.1	102.5	153.7
121	57.9	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

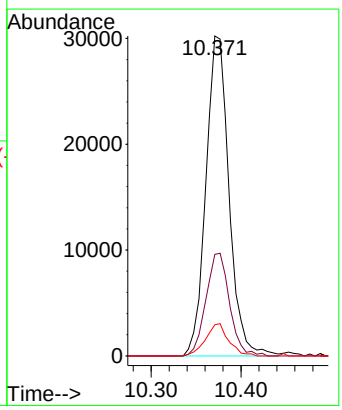
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

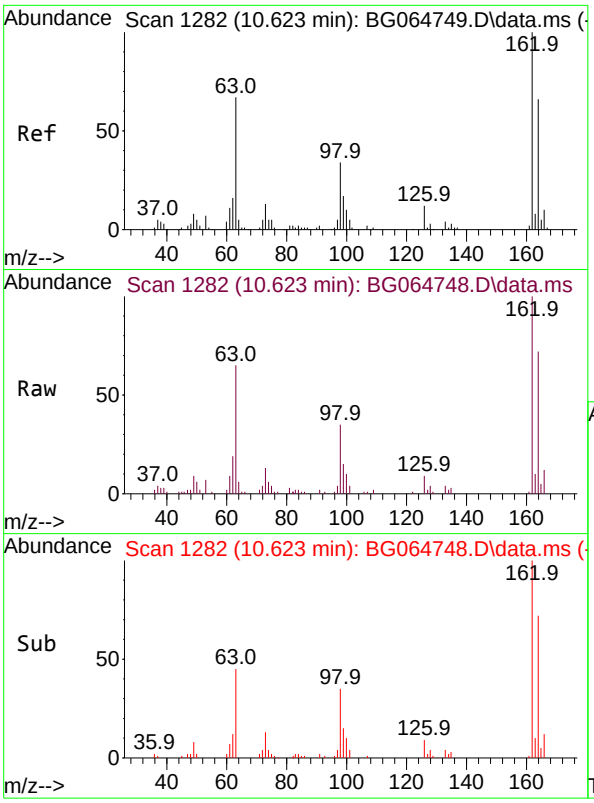


#28
bis(2-Chloroethoxy)methane
Concen: 21.004 ng
RT: 10.371 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 54247

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.7	8.1	12.1

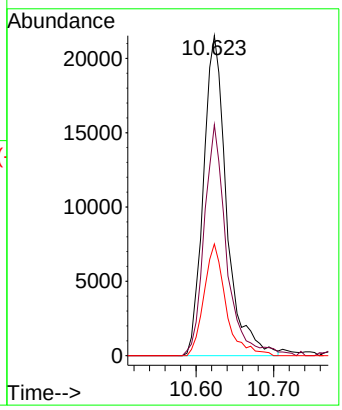




#29
2,4-Dichlorophenol
Concen: 20.905 ng
RT: 10.623 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:162 Resp: 4476

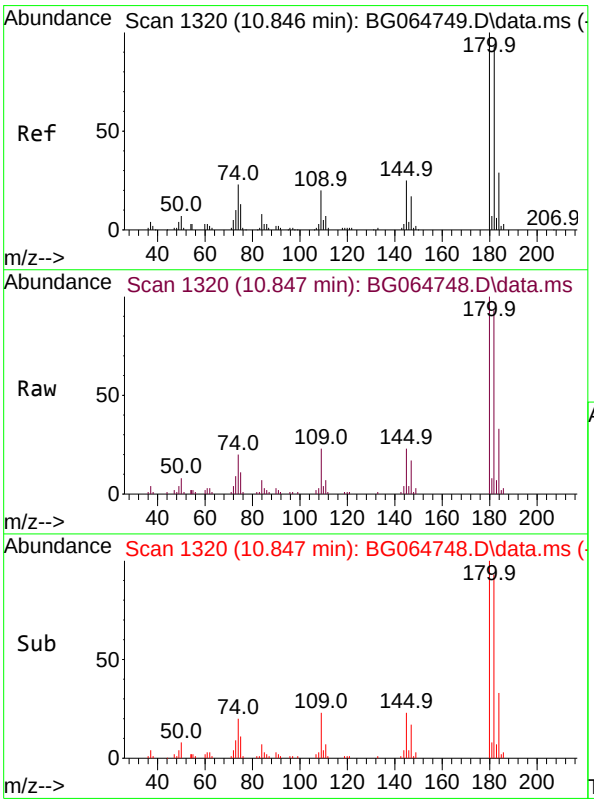
Ion	Ratio	Lower	Upper
162	100		
164	72.1	46.0	86.0
98	34.9	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

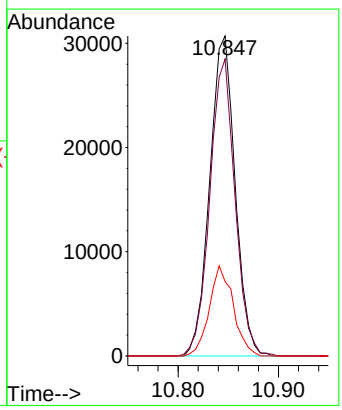
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

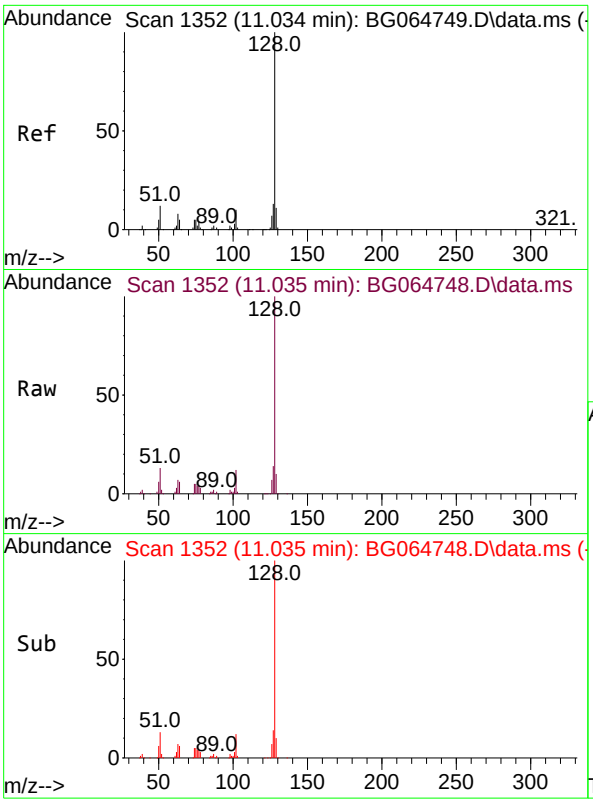


#30
1,2,4-Trichlorobenzene
Concen: 20.916 ng
RT: 10.847 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:180 Resp: 54086

Ion	Ratio	Lower	Upper
180	100		
182	92.8	74.2	111.4
145	23.2	20.0	30.0

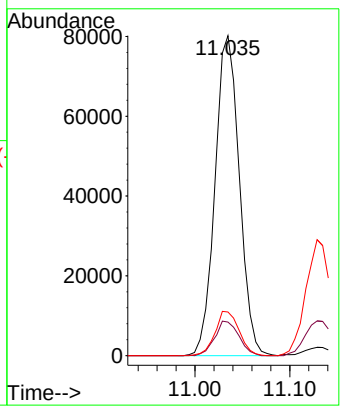




#31
Naphthalene
Concen: 20.633 ng
RT: 11.035 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:128 Resp: 14286

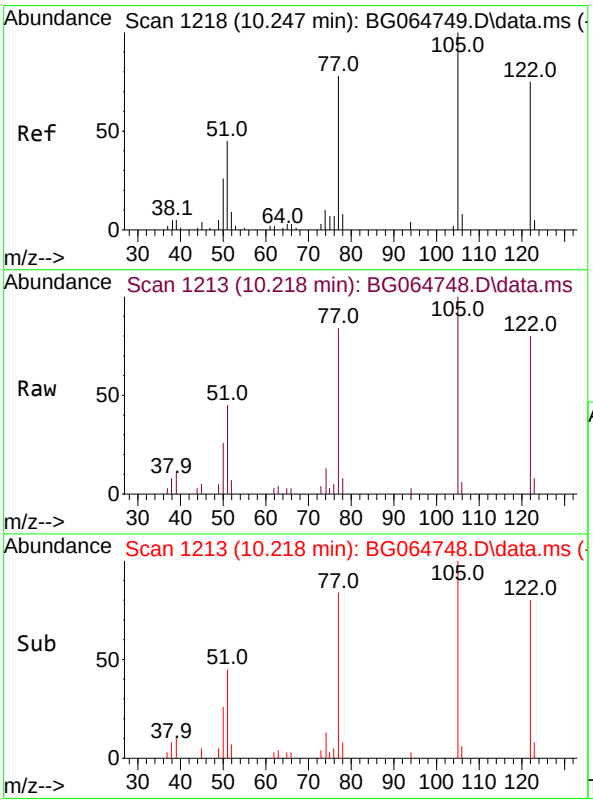
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.6	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

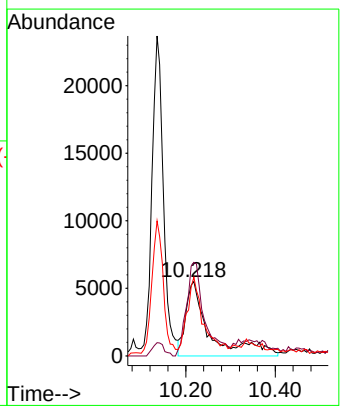
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

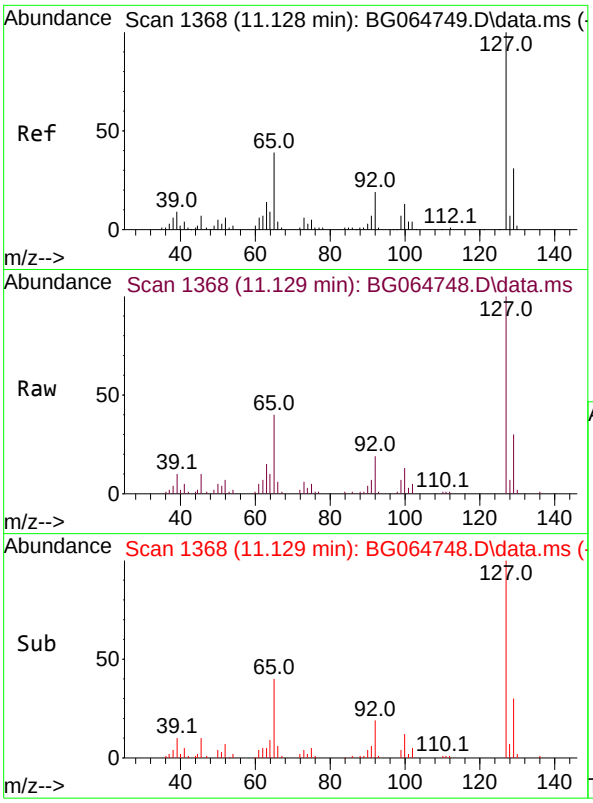


#32
Benzoic acid
Concen: 18.429 ng m
RT: 10.218 min Scan# 1213
Delta R.T. -0.029 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:122 Resp: 20309

Ion	Ratio	Lower	Upper
122	100		
105	125.8	107.6	147.6
77	105.8	82.5	122.5

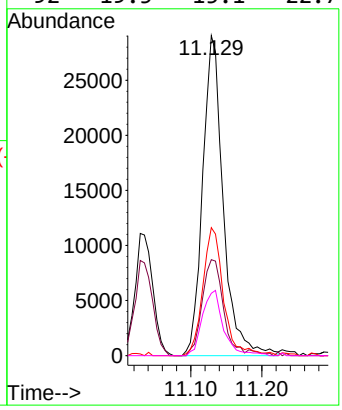




#33
4-Chloroaniline
Concen: 21.026 ng
RT: 11.129 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:127 Resp: 5823

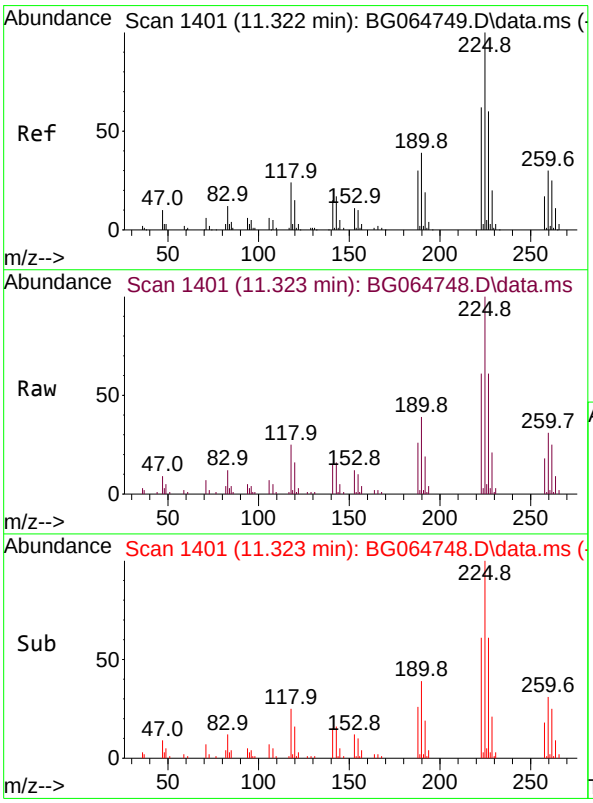
Ion	Ratio	Lower	Upper
127	100		
129	30.0	24.9	37.3
65	40.0	30.9	46.3
92	19.5	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

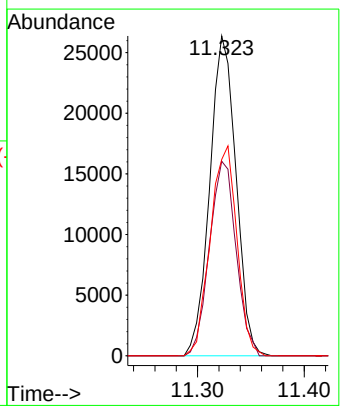
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

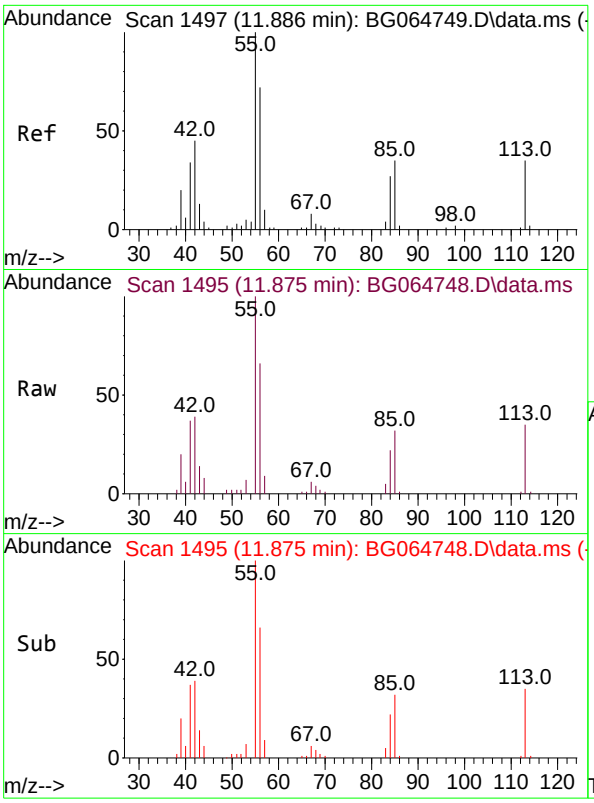


#34
Hexachlorobutadiene
Concen: 20.367 ng
RT: 11.323 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:225 Resp: 45189

Ion	Ratio	Lower	Upper
225	100		
223	60.8	49.9	74.9
227	64.8	50.6	75.8





#35
Caprolactam
Concen: 19.811 ng
RT: 11.875 min Scan# 14
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

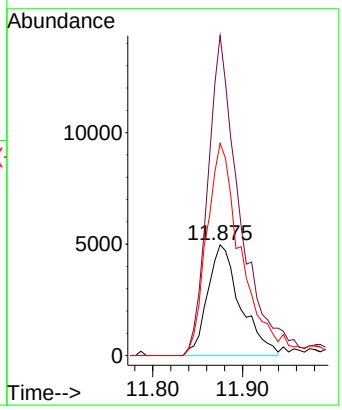
Tgt Ion:113 Resp: 1267

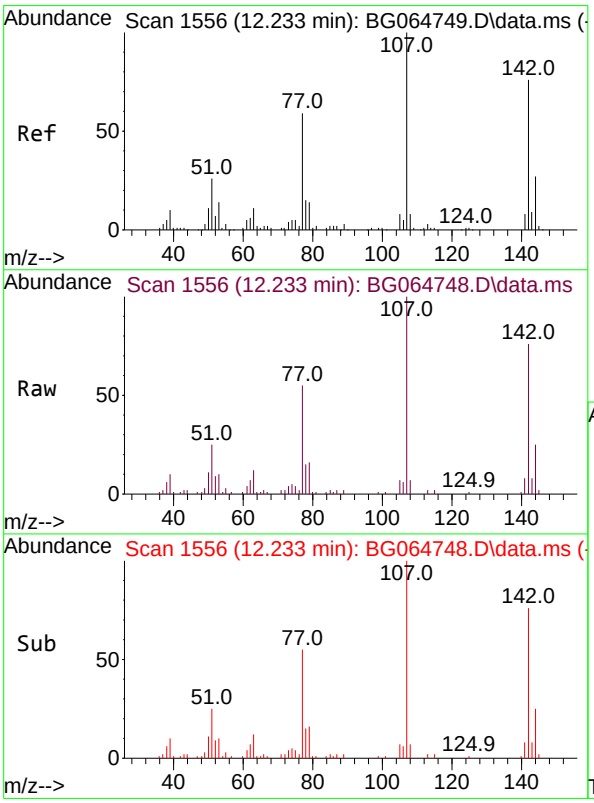
Ion	Ratio	Lower	Upper
113	100		
55	288.8	263.7	303.7
56	191.5	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

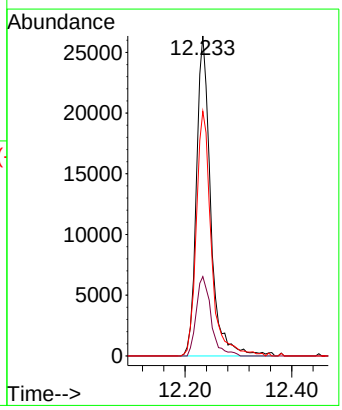


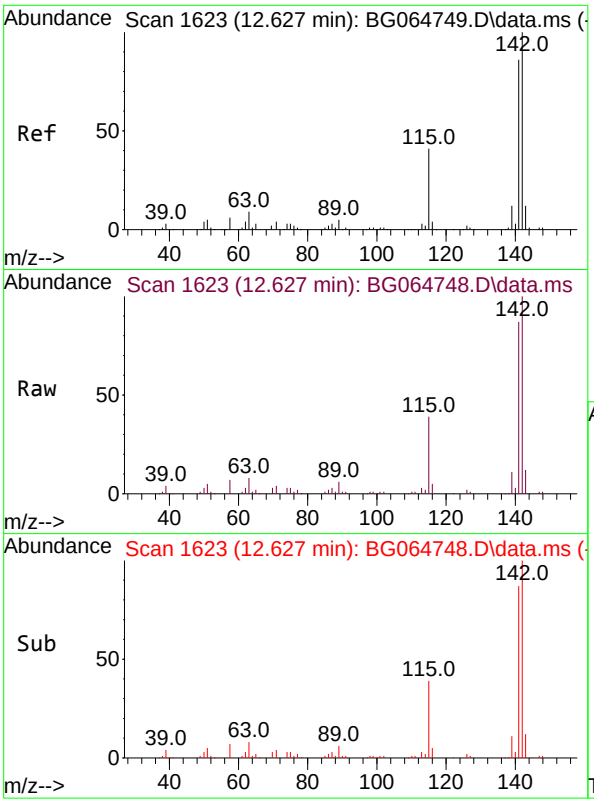


#36
4-Chloro-3-methylphenol
Concen: 20.444 ng
RT: 12.233 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 48730

Ion	Ratio	Lower	Upper
107	100		
144	24.8	21.7	32.5
142	76.4	60.8	91.2

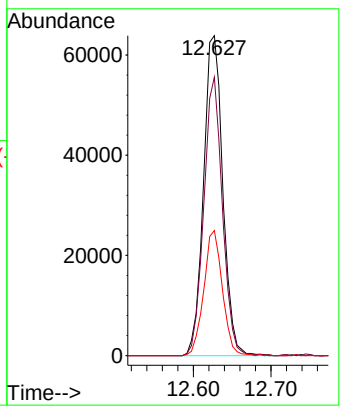




#37
2-Methylnaphthalene
Concen: 21.269 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:142 Resp: 110208

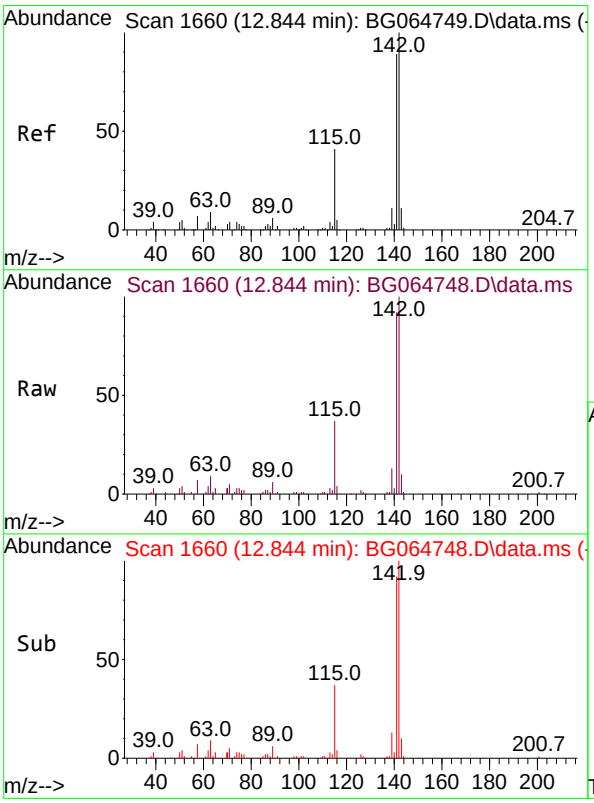
Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.1	103.7
115	39.1	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

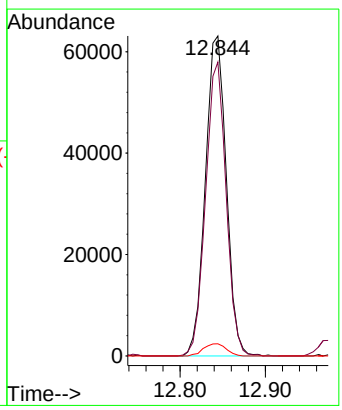
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

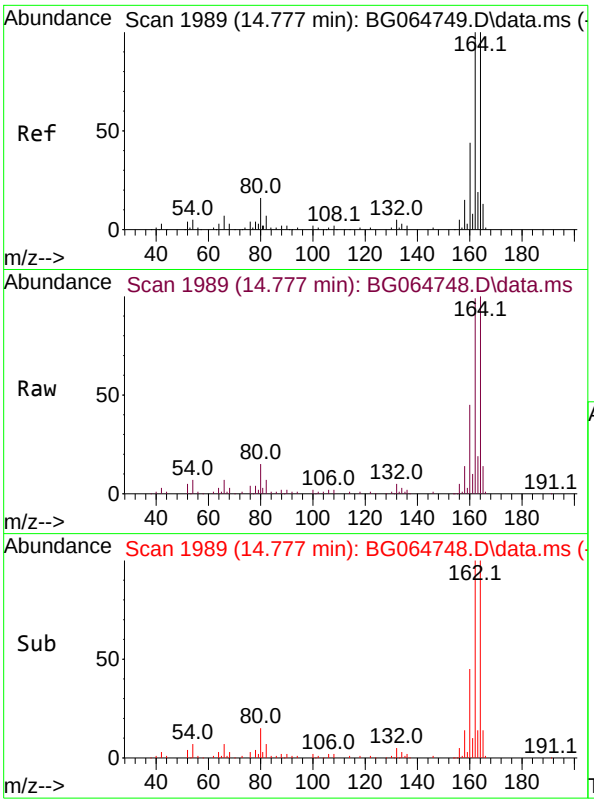


#38
1-Methylnaphthalene
Concen: 20.884 ng
RT: 12.844 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:142 Resp: 107491

Ion	Ratio	Lower	Upper
142	100		
141	91.9	70.8	106.2
116	3.8	3.7	5.5

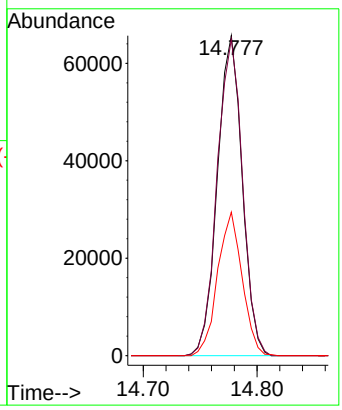




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:164 Resp: 9958

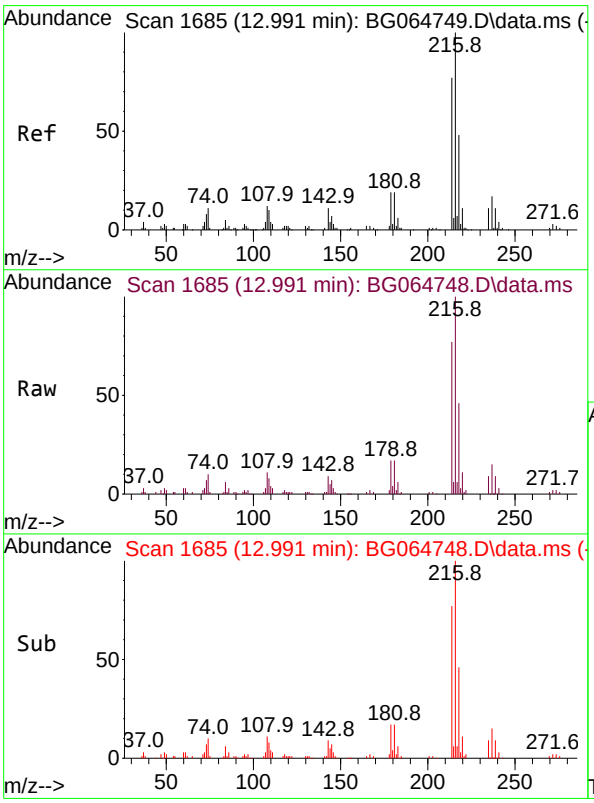
Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.8	119.6
160	44.8	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

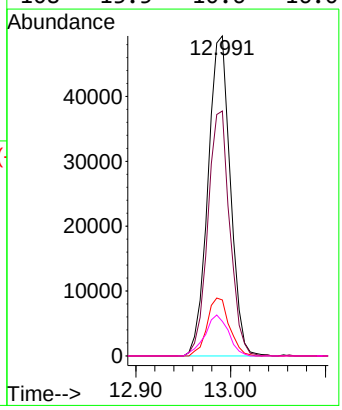
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

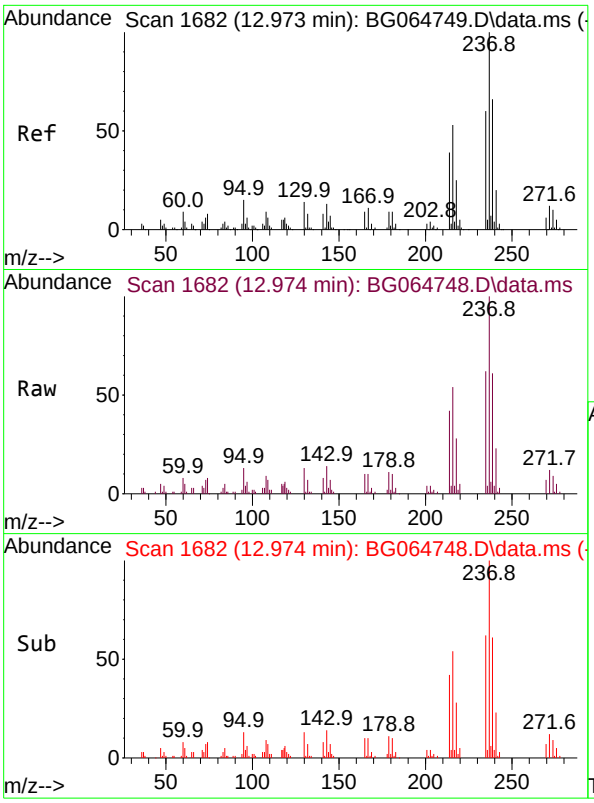


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.831 ng
RT: 12.991 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:216 Resp: 80735

Ion	Ratio	Lower	Upper
216	100		
214	75.2	60.5	90.7
179	18.0	14.7	22.1
108	13.5	10.6	16.0

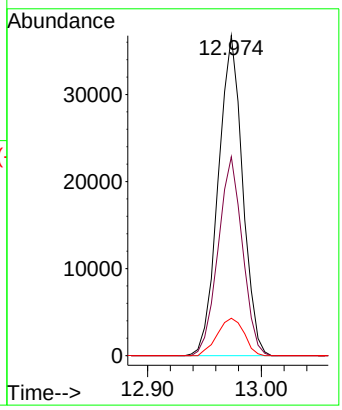




#41
Hexachlorocyclopentadiene
Concen: 19.622 ng
RT: 12.974 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:237 Resp: 5450

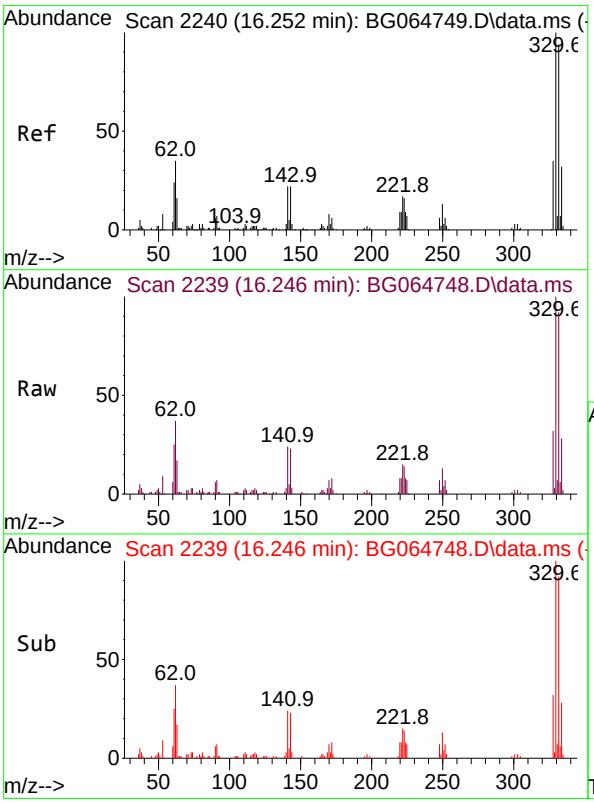
Ion	Ratio	Lower	Upper
237	100		
235	62.1	40.2	80.2
272	11.7	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

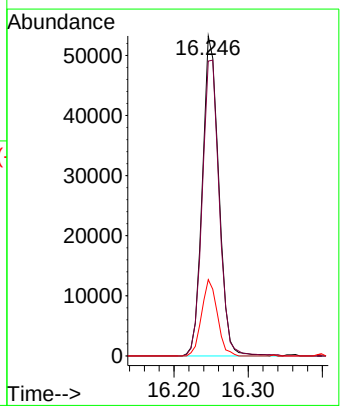
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

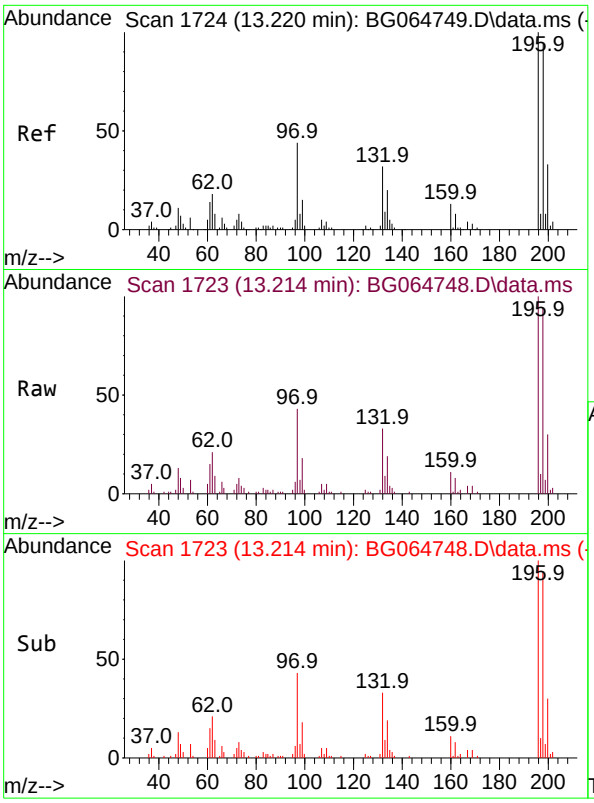


#42
2,4,6-Tribromophenol
Concen: 42.069 ng
RT: 16.246 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:330 Resp: 81708

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	22.8	18.2	27.2

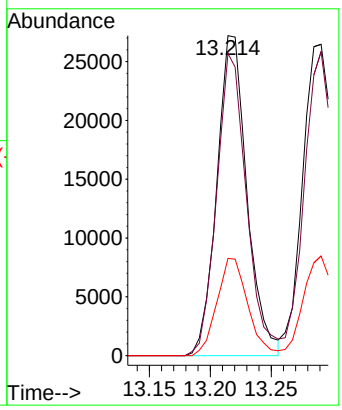




#43
2,4,6-Trichlorophenol
Concen: 20.658 ng
RT: 13.214 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:196 Resp: 4698

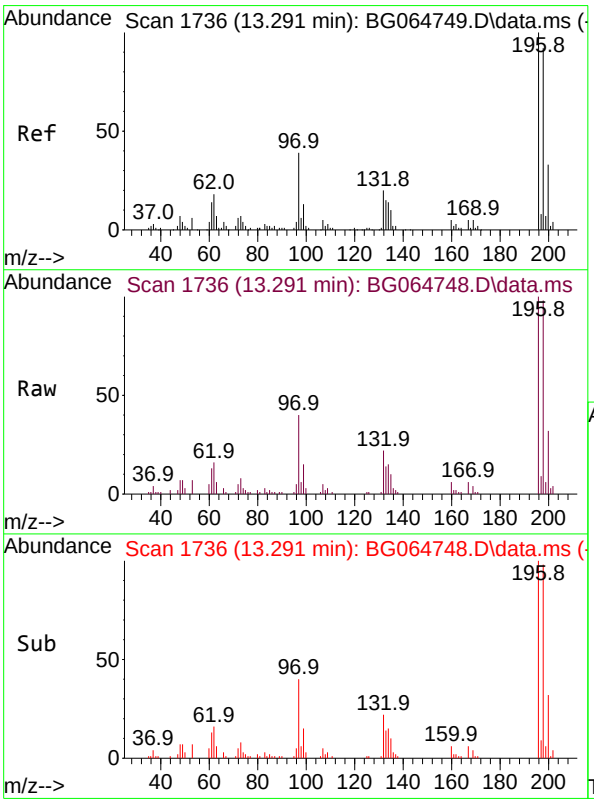
Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.3	112.9
200	30.4	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

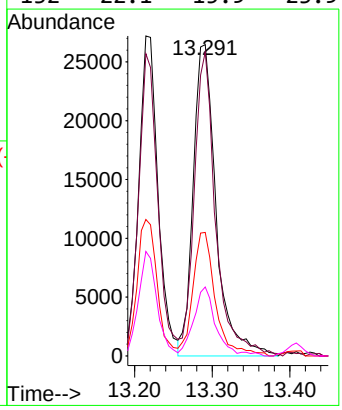
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

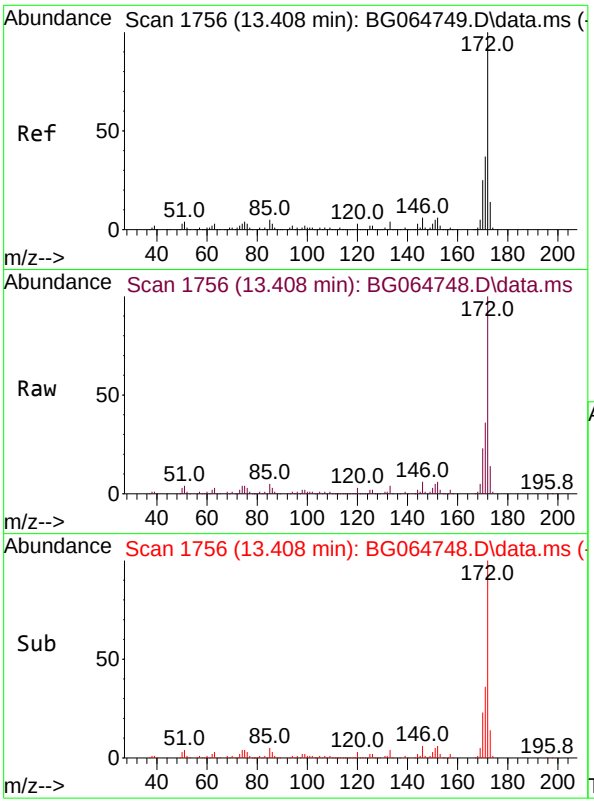


#44
2,4,5-Trichlorophenol
Concen: 21.300 ng
RT: 13.291 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:196 Resp: 54340

Ion	Ratio	Lower	Upper
196	100		
198	97.6	73.2	109.8
97	39.6	31.4	47.0
132	22.1	15.9	23.9

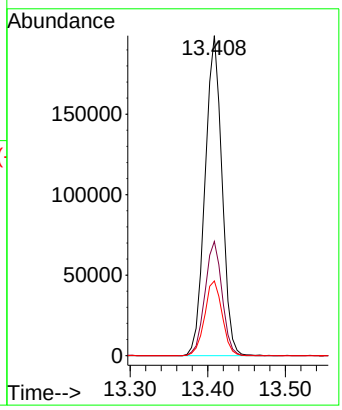




#45
2-Fluorobiphenyl
Concen: 42.108 ng
RT: 13.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:172 Resp: 30053

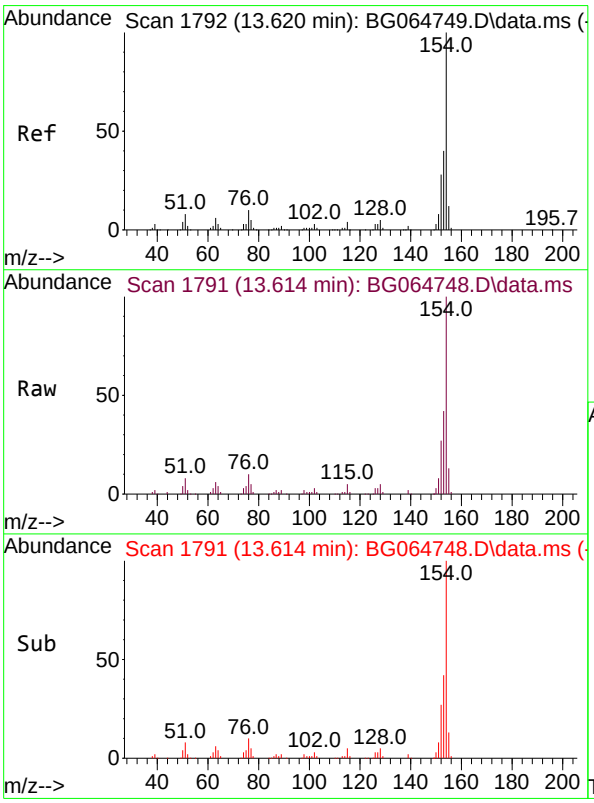
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	23.3	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

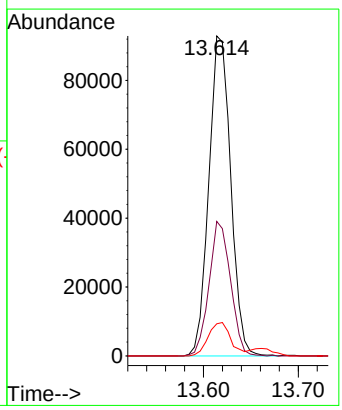
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

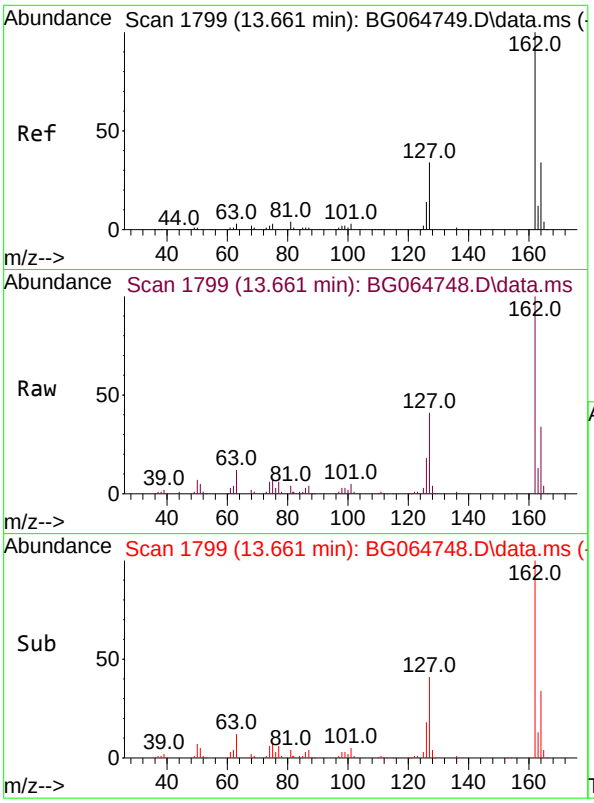


#46
1,1'-Biphenyl
Concen: 20.857 ng
RT: 13.614 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:154 Resp: 149187

Ion	Ratio	Lower	Upper
154	100		
153	42.0	19.8	59.8
76	10.0	0.0	30.0

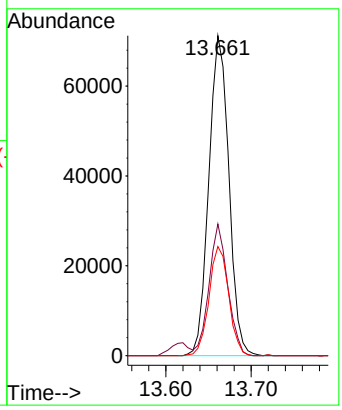




#47
2-Chloronaphthalene
Concen: 20.620 ng
RT: 13.661 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:162 Resp: 116198

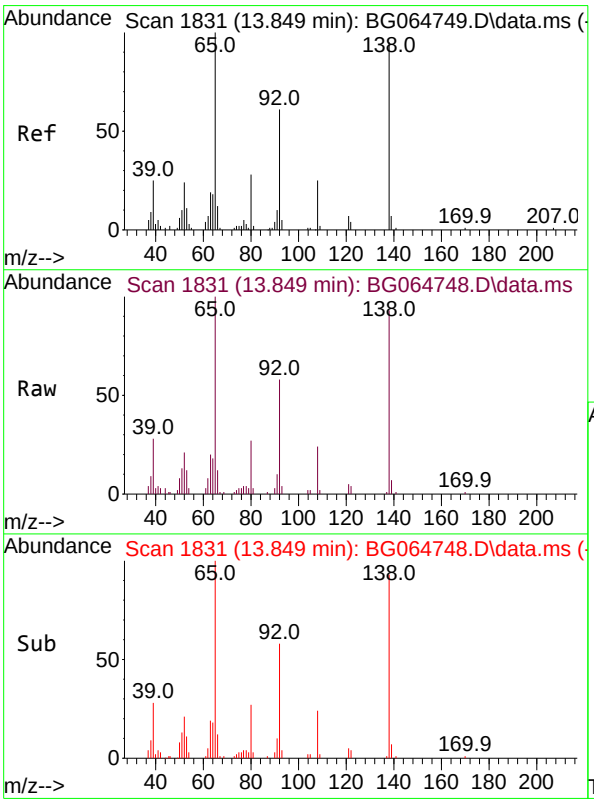
Ion	Ratio	Lower	Upper
162	100		
127	41.1	30.3	45.5
164	34.1	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

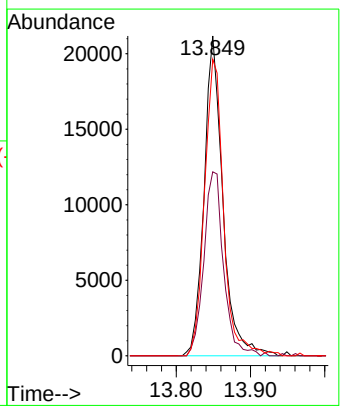
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

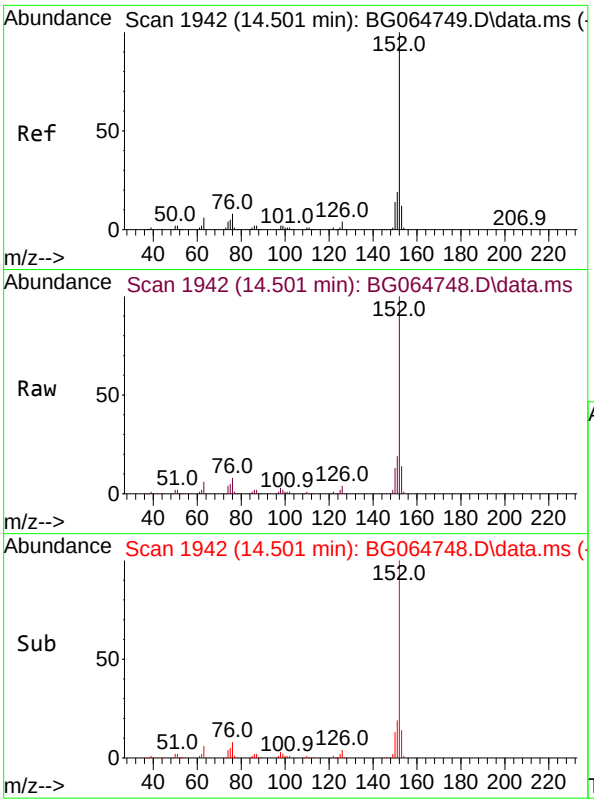


#48
2-Nitroaniline
Concen: 20.495 ng
RT: 13.849 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 65 Resp: 37146

Ion	Ratio	Lower	Upper
65	100		
92	57.5	48.6	73.0
138	92.7	76.4	114.6

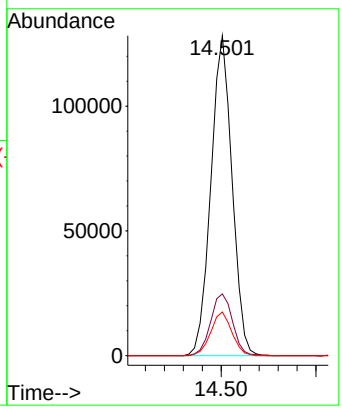




#49
Acenaphthylene
Concen: 20.651 ng
RT: 14.501 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:152 Resp: 19880

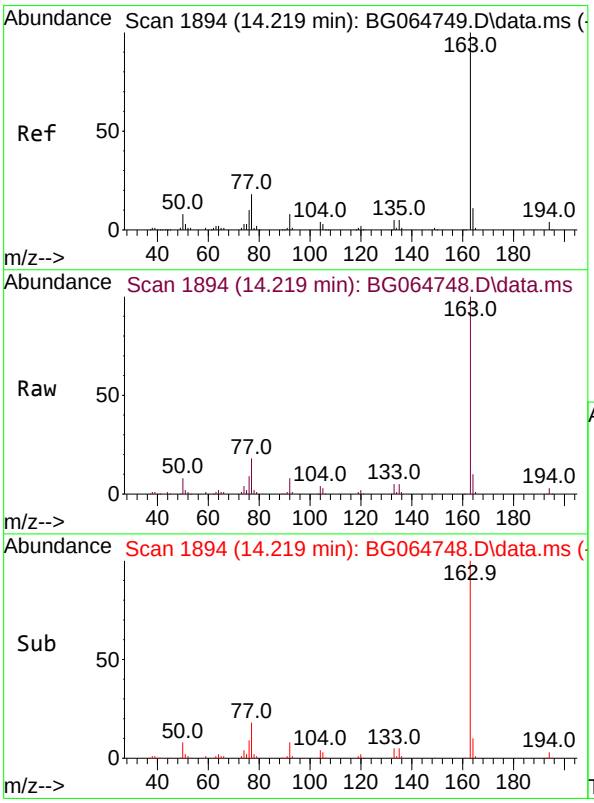
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

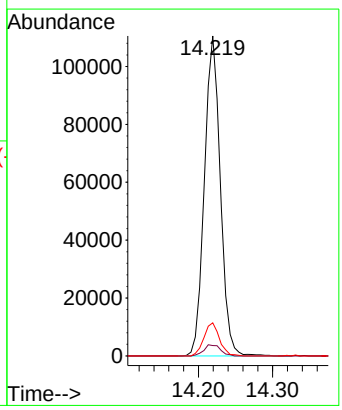
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

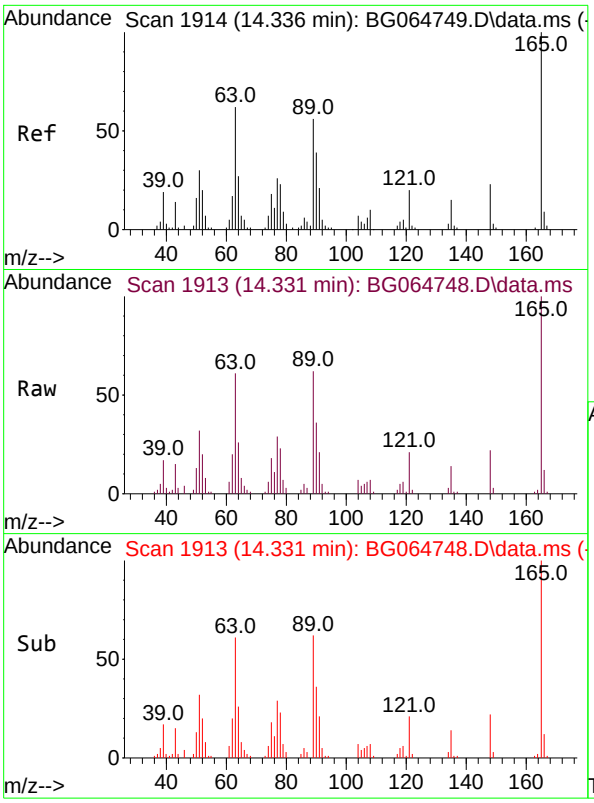


#50
Dimethylphthalate
Concen: 20.940 ng
RT: 14.219 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:163 Resp: 164729

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.1	4.7
164	10.3	8.6	12.8

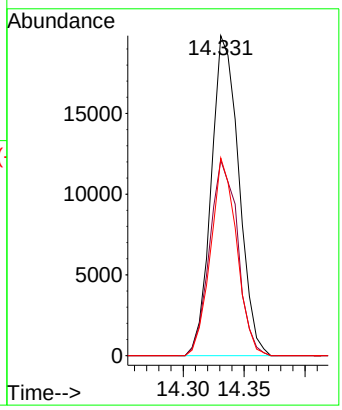




#51
2,6-Dinitrotoluene
Concen: 20.573 ng
RT: 14.331 min Scan# 19
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:165 Resp: 3114

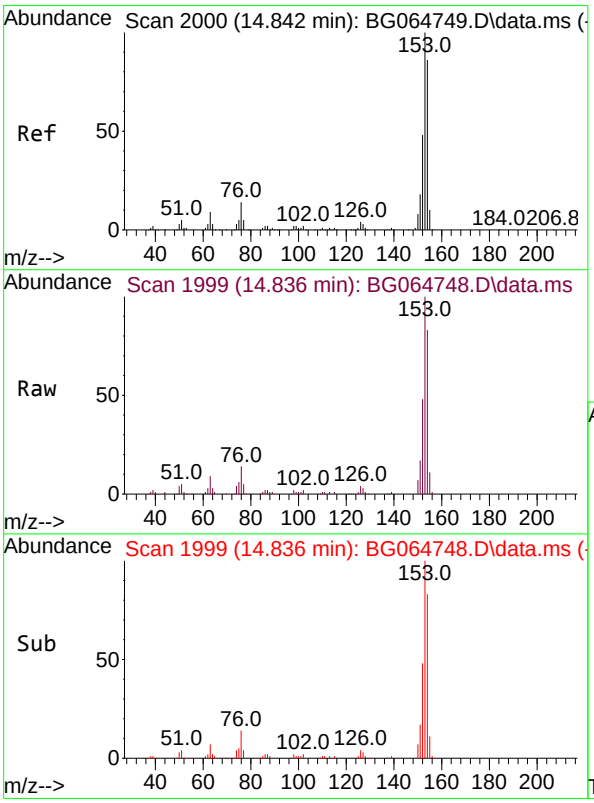
Ion	Ratio	Lower	Upper
165	100		
63	61.1	49.8	74.8
89	61.8	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

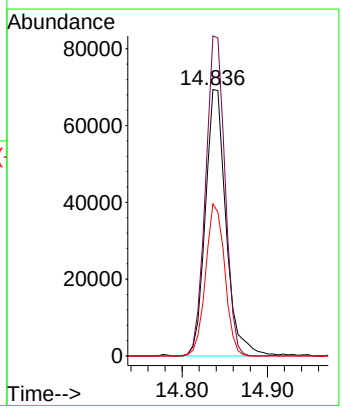
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

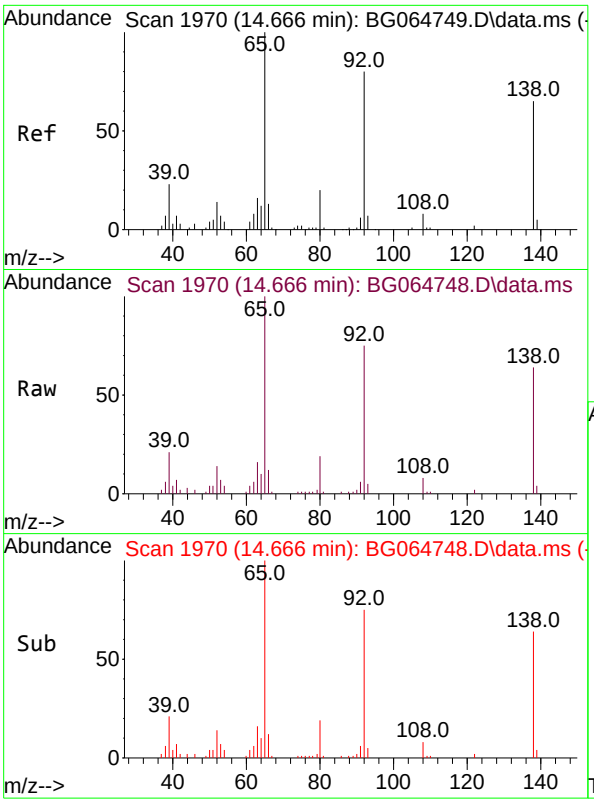


#52
Acenaphthene
Concen: 20.176 ng
RT: 14.836 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:154 Resp: 116463

Ion	Ratio	Lower	Upper
154	100		
153	120.1	93.0	139.4
152	57.1	44.4	66.6

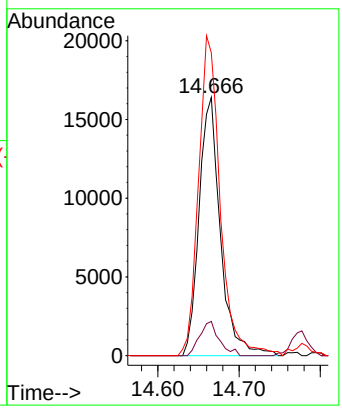




#53
3-Nitroaniline
Concen: 20.041 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:138 Resp: 2994

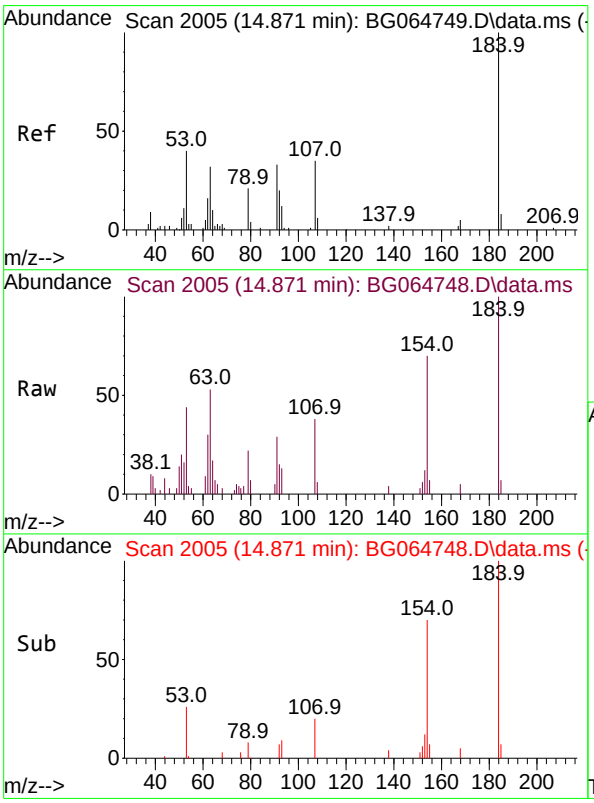
Ion	Ratio	Lower	Upper
138	100		
108	13.2	9.5	14.3
92	117.3	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

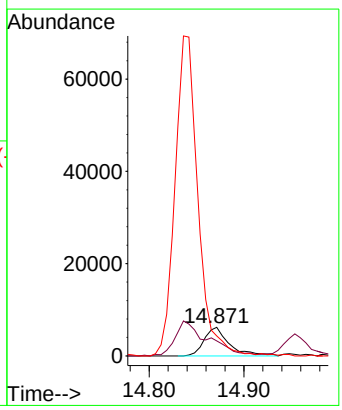
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

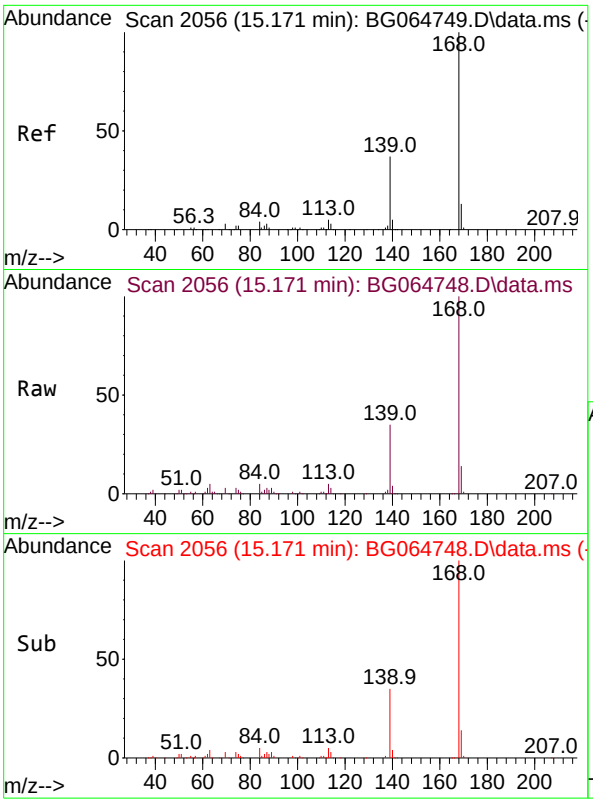


#54
2,4-Dinitrophenol
Concen: 18.387 ng
RT: 14.871 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:184 Resp: 11387

Ion	Ratio	Lower	Upper
184	100		
63	52.6	45.8	68.6
154	69.9	52.6	78.8

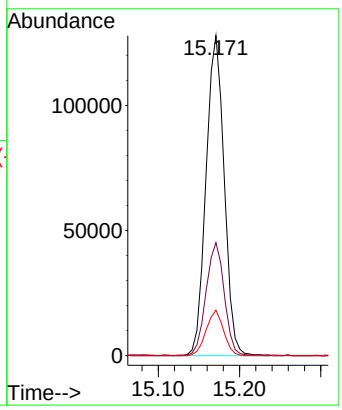




#55
Dibenzofuran
Concen: 20.809 ng
RT: 15.171 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:168 Resp: 19857

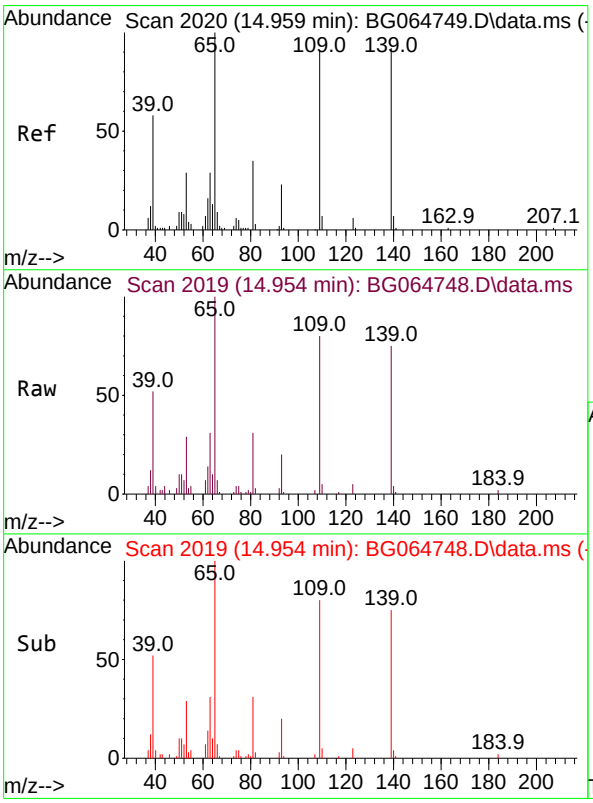
Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.5	44.3
169	14.2	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

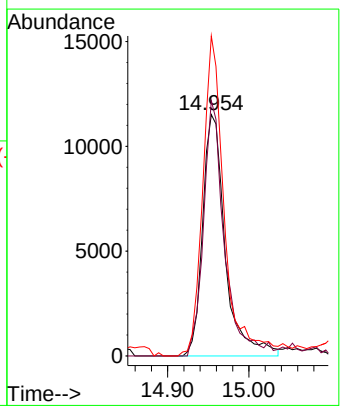
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

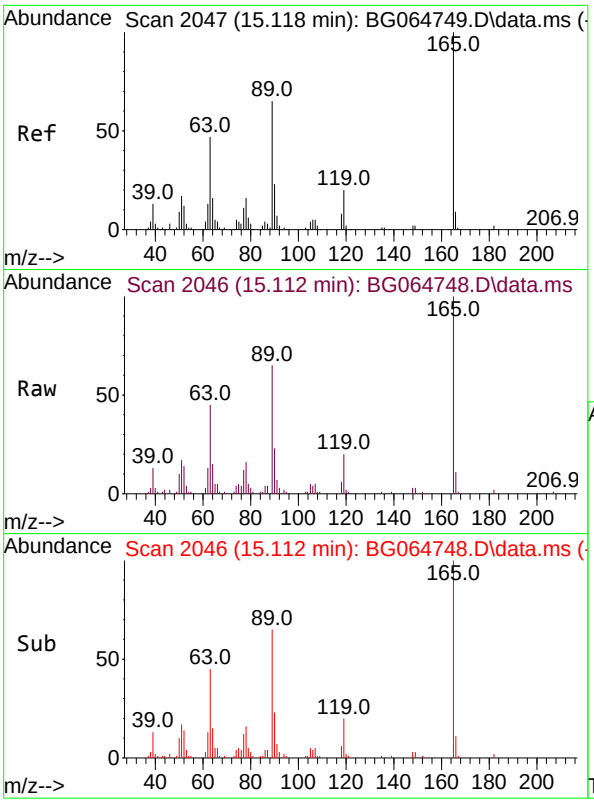


#56
4-Nitrophenol
Concen: 18.849 ng
RT: 14.954 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:139 Resp: 22343

Ion	Ratio	Lower	Upper
139	100		
109	105.8	79.7	119.7
65	132.7	89.9	129.9#

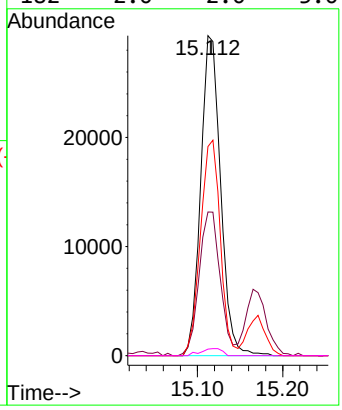




#57
2,4-Dinitrotoluene
Concen: 20.931 ng
RT: 15.112 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:165 Resp: 4750

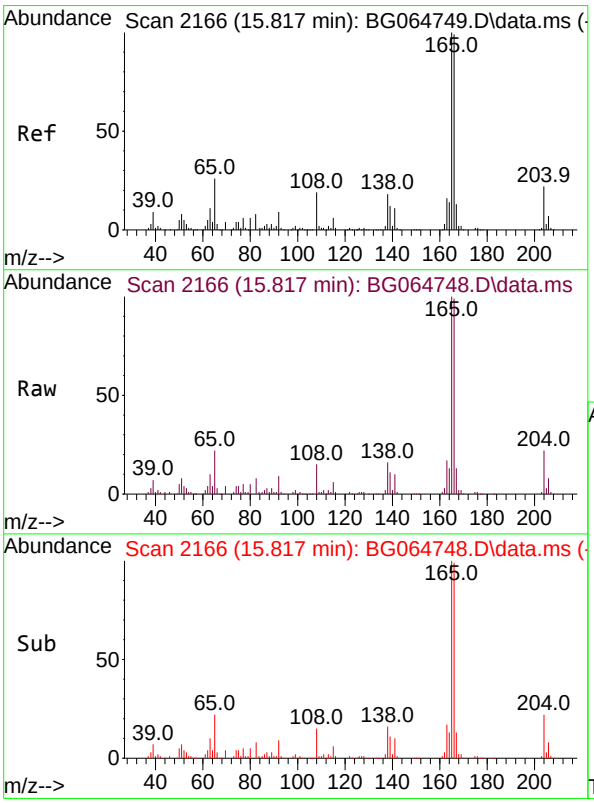
Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.8	56.6
89	65.3	51.6	77.4
182	2.0	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

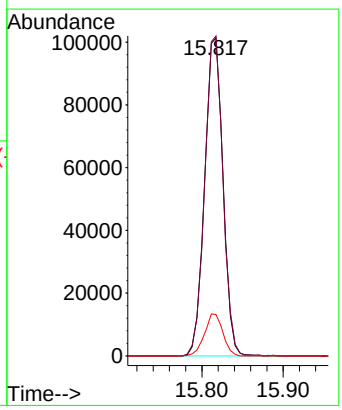
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

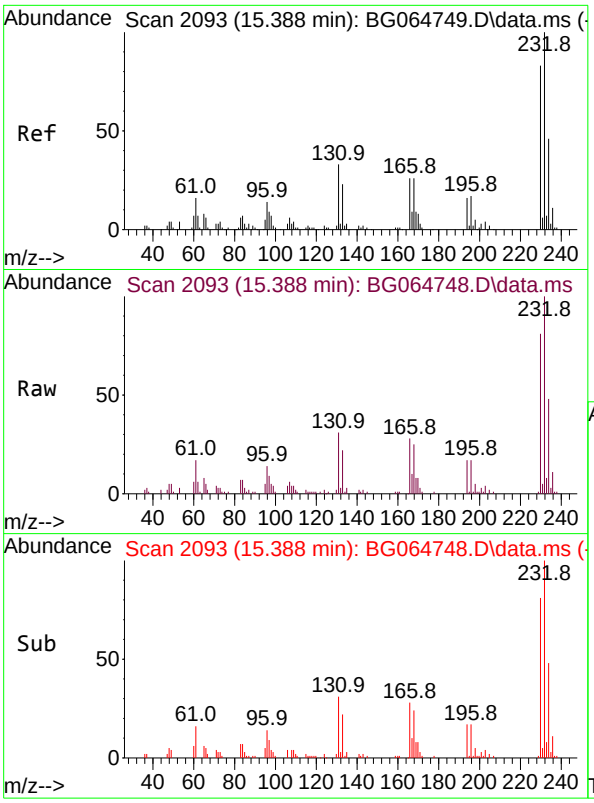


#58
Fluorene
Concen: 21.222 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:166 Resp: 158837

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.5	120.7
167	13.0	10.3	15.5

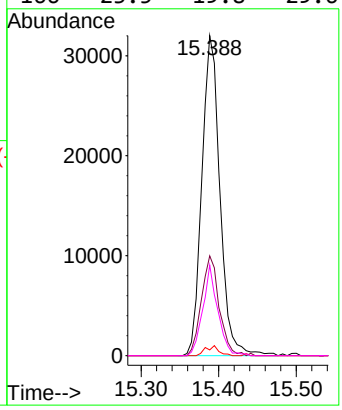




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.601 ng
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:232 Resp: 5185

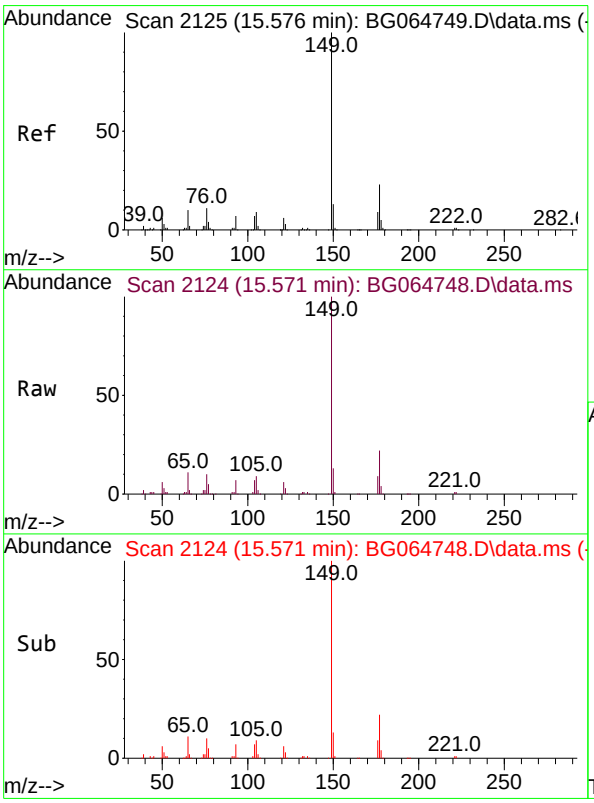
Ion	Ratio	Lower	Upper
232	100		
131	30.6	26.0	39.0
130	2.3	1.6	2.4
166	23.5	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

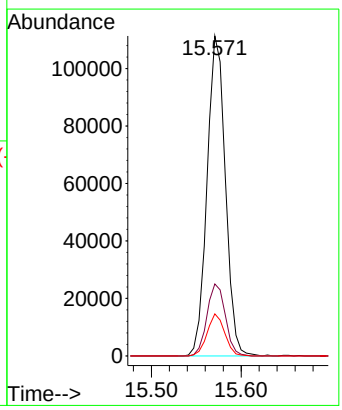
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

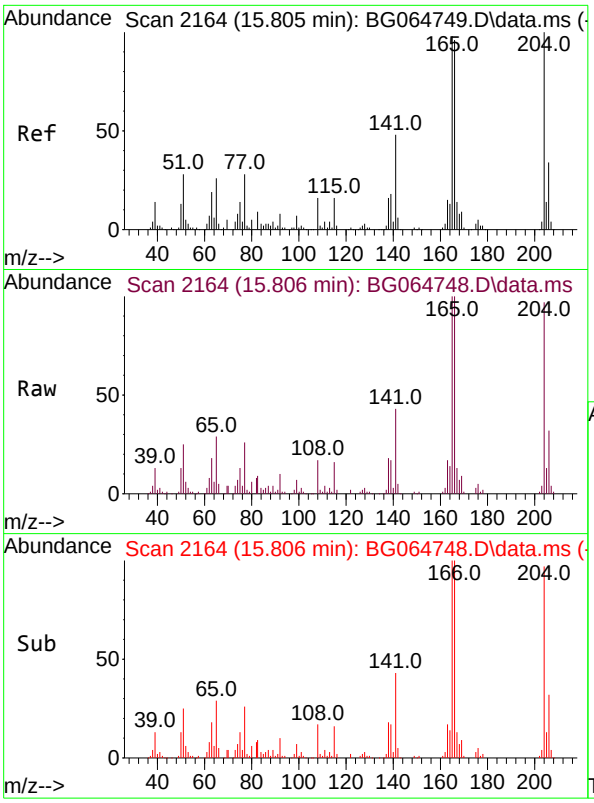


#60
Diethylphthalate
Concen: 20.942 ng
RT: 15.571 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 157815

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.4	27.6
150	13.1	10.1	15.1

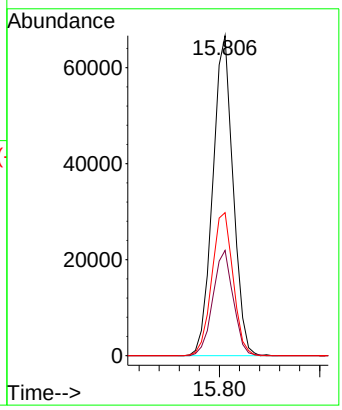




#61
4-Chlorophenyl-phenylether
Concen: 20.839 ng
RT: 15.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:204 Resp: 9360

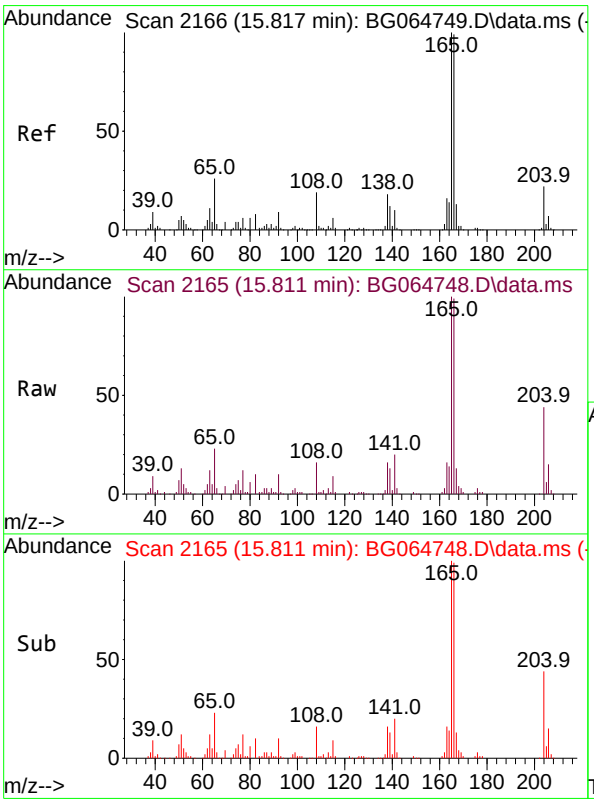
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.9	40.3
141	44.7	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

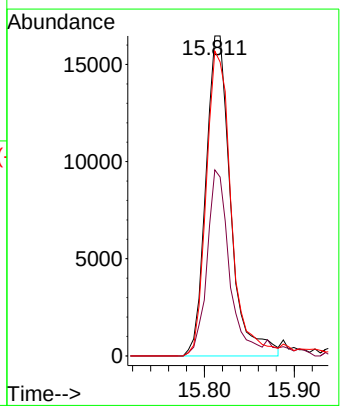
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

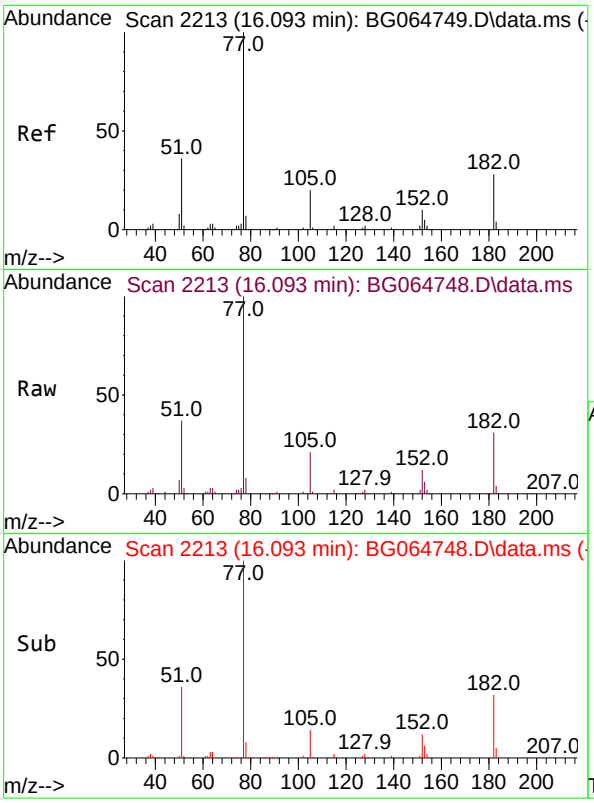


#62
4-Nitroaniline
Concen: 20.442 ng
RT: 15.811 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:138 Resp: 31639

Ion	Ratio	Lower	Upper
138	100		
92	58.1	30.7	70.7
108	95.2	85.7	125.7

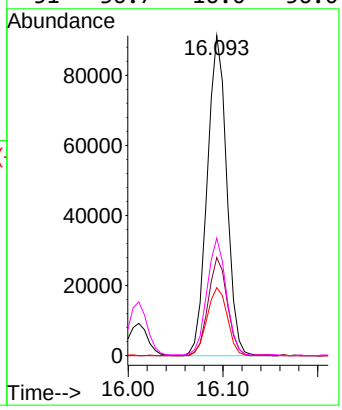




#63
Azobenzene
Concen: 20.795 ng
RT: 16.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 13034

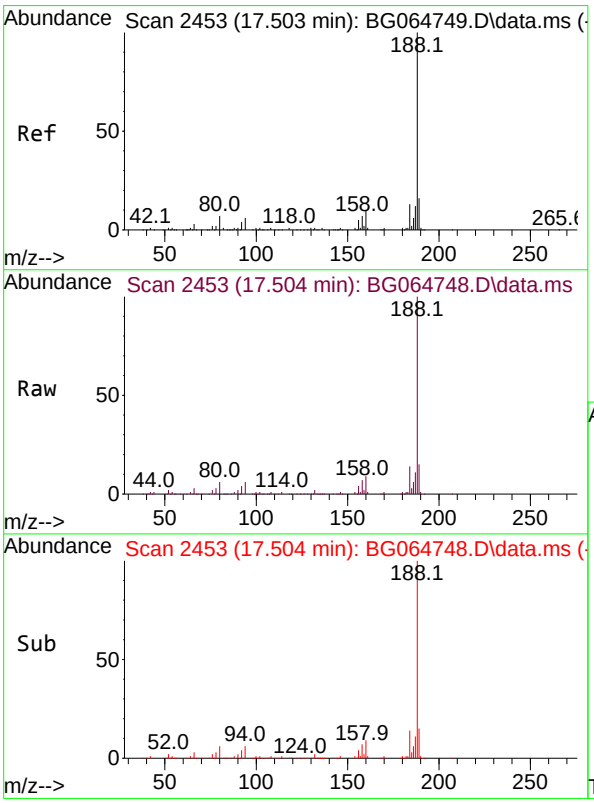
Ion	Ratio	Lower	Upper
77	100		
182	30.6	8.1	48.1
105	21.2	0.1	40.1
51	36.7	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

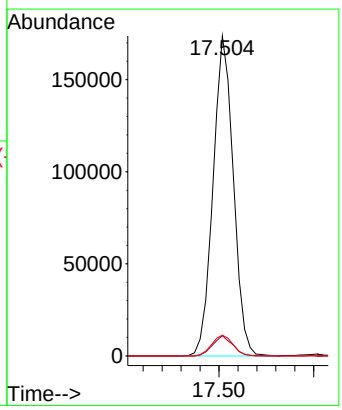
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

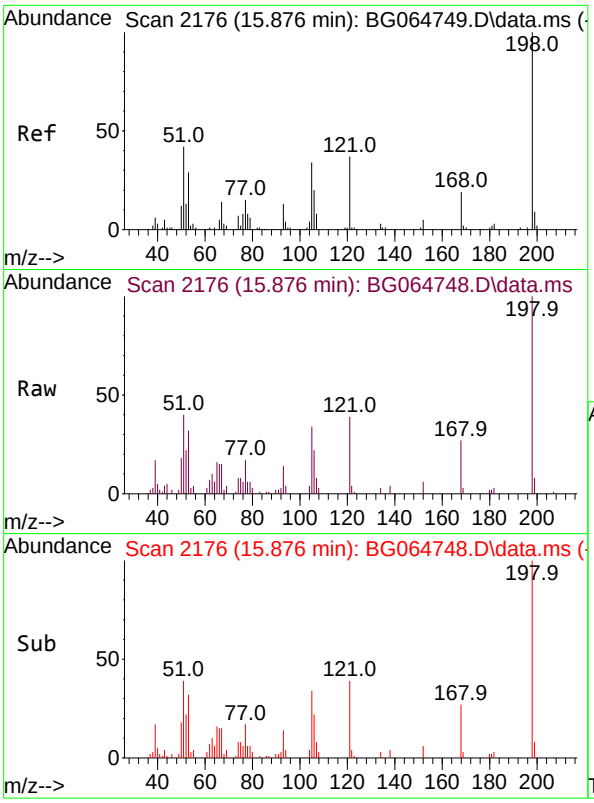


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2453
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:188 Resp: 258312

Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.7	7.1
80	6.5	5.4	8.2

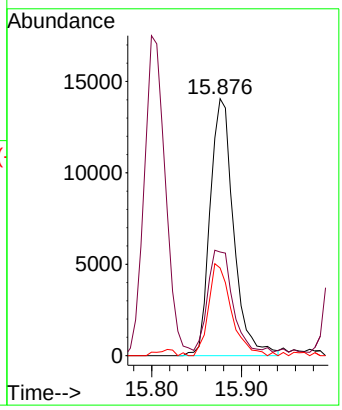




#65
4,6-Dinitro-2-methylphenol
Concen: 17.855 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:198 Resp: 2560

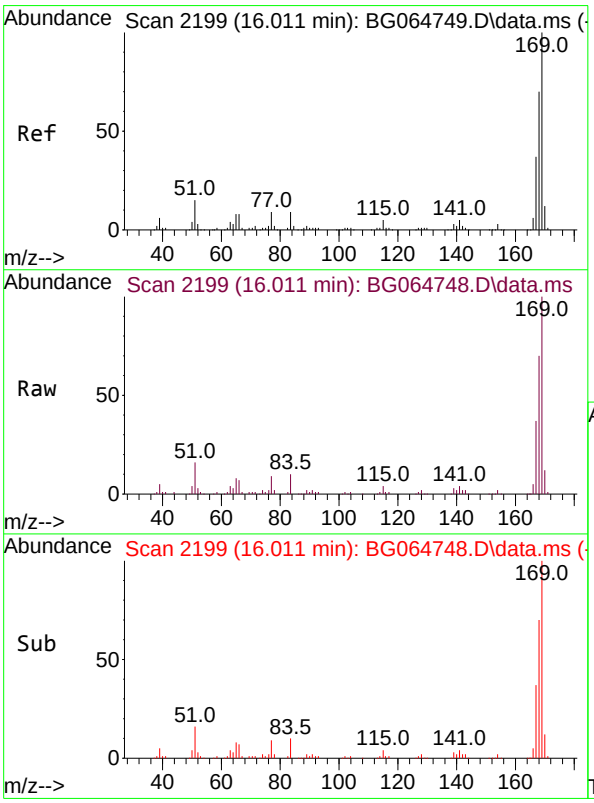
Ion	Ratio	Lower	Upper
198	100		
51	40.4	25.2	65.2
105	34.1	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

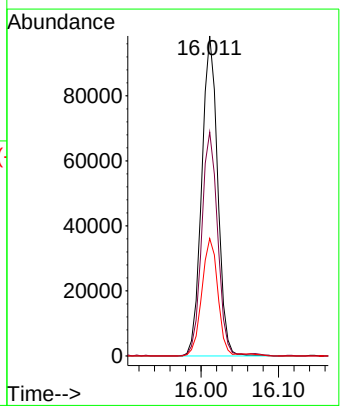
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

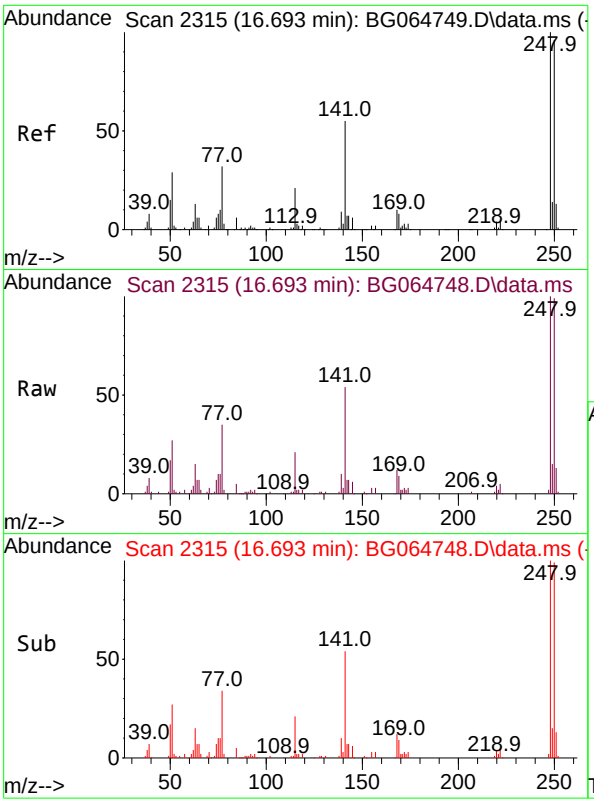


#66
n-Nitrosodiphenylamine
Concen: 20.753 ng
RT: 16.011 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:169 Resp: 140419

Ion	Ratio	Lower	Upper
169	100		
168	69.9	55.9	83.9
167	36.7	29.8	44.6

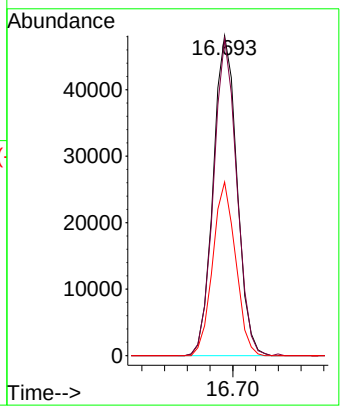




#67
4-Bromophenyl-phenylether
Concen: 20.520 ng
RT: 16.693 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:248 Resp: 6960

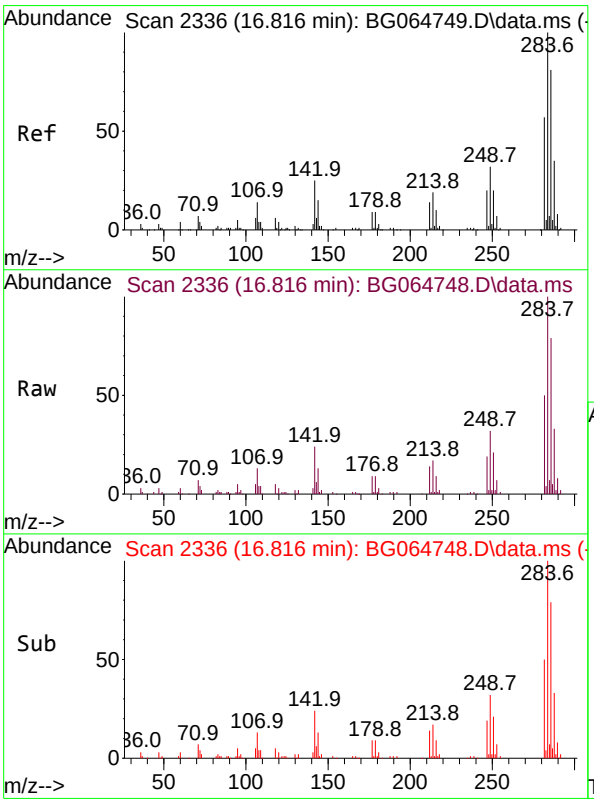
Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.0	115.6
141	54.2	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

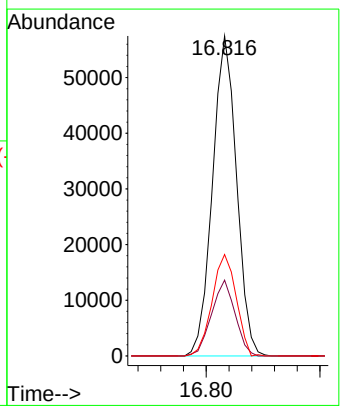
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

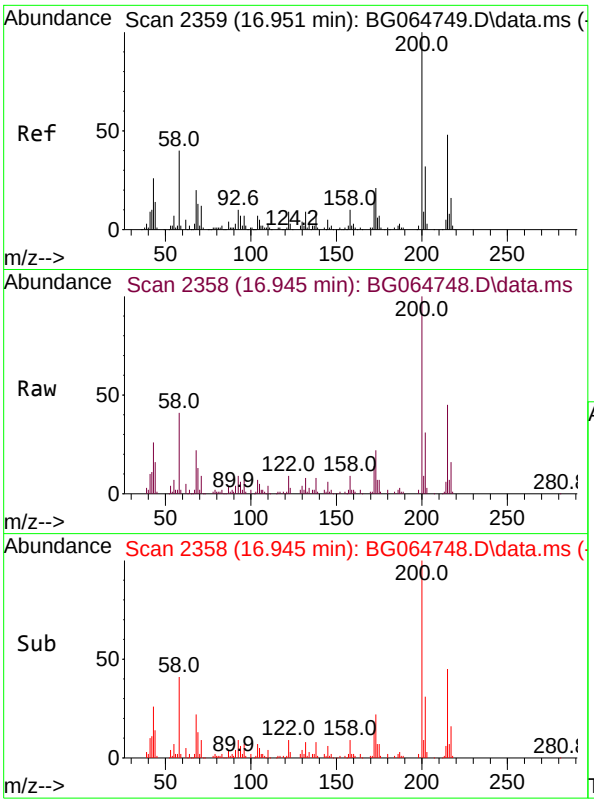


#68
Hexachlorobenzene
Concen: 20.485 ng
RT: 16.816 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:284 Resp: 84192

Ion	Ratio	Lower	Upper
284	100		
142	23.7	19.7	29.5
249	33.8	28.1	42.1





#69
Atrazine
Concen: 20.339 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

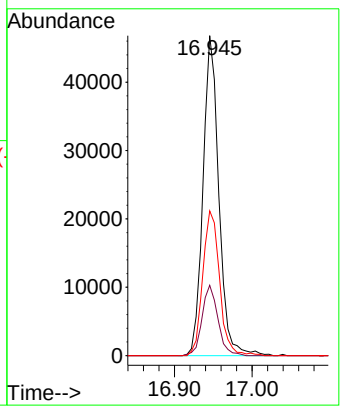
Tgt Ion:200 Resp: 6634

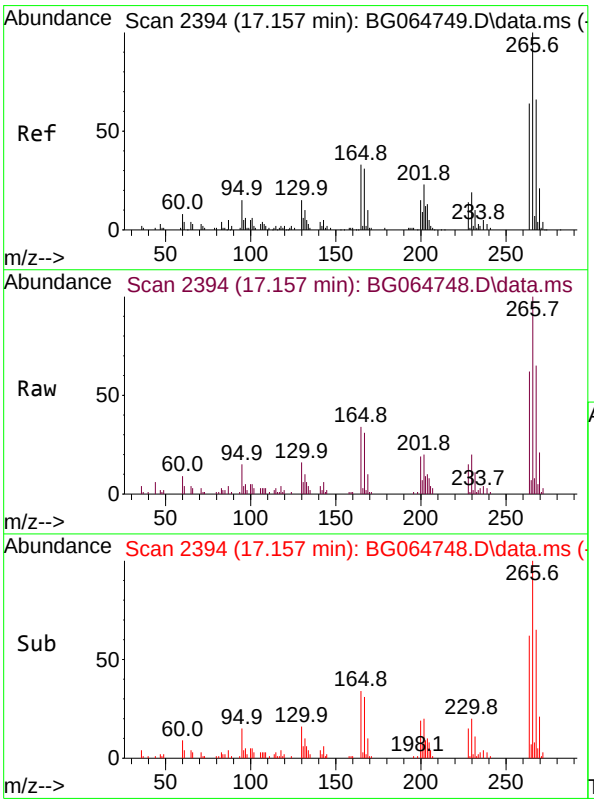
Ion	Ratio	Lower	Upper
200	100		
173	22.0	0.9	40.9
215	45.2	27.5	67.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

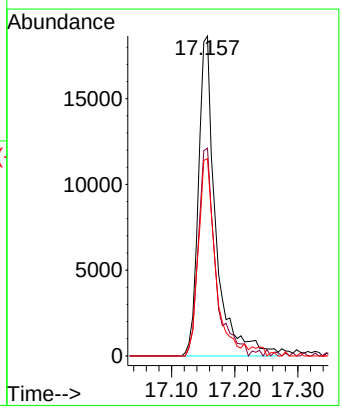


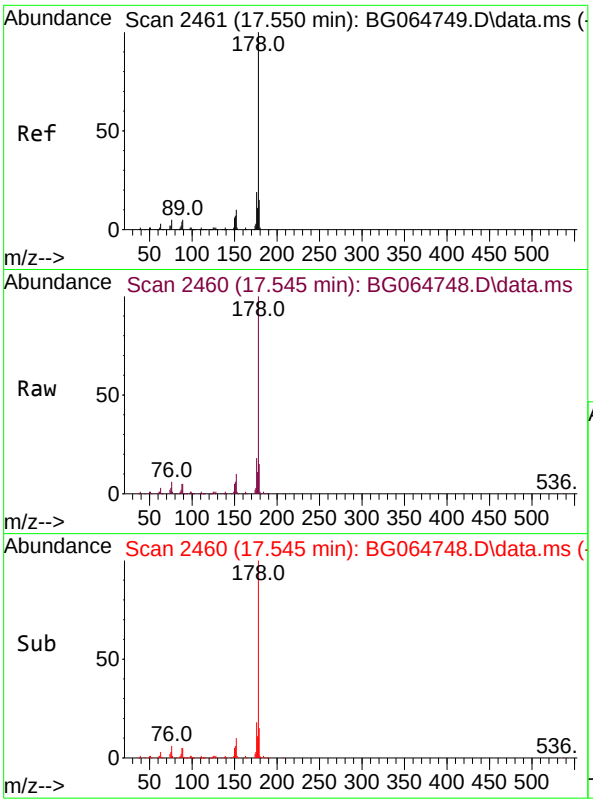


#70
Pentachlorophenol
Concen: 19.686 ng
RT: 17.157 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:266 Resp: 35678

Ion	Ratio	Lower	Upper
266	100		
268	70.1	56.1	84.1
264	61.6	51.2	76.8

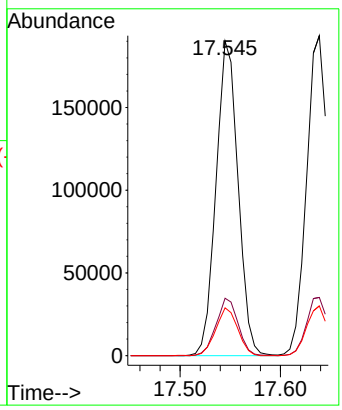




#71
Phenanthrene
Concen: 20.531 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:178 Resp: 29016

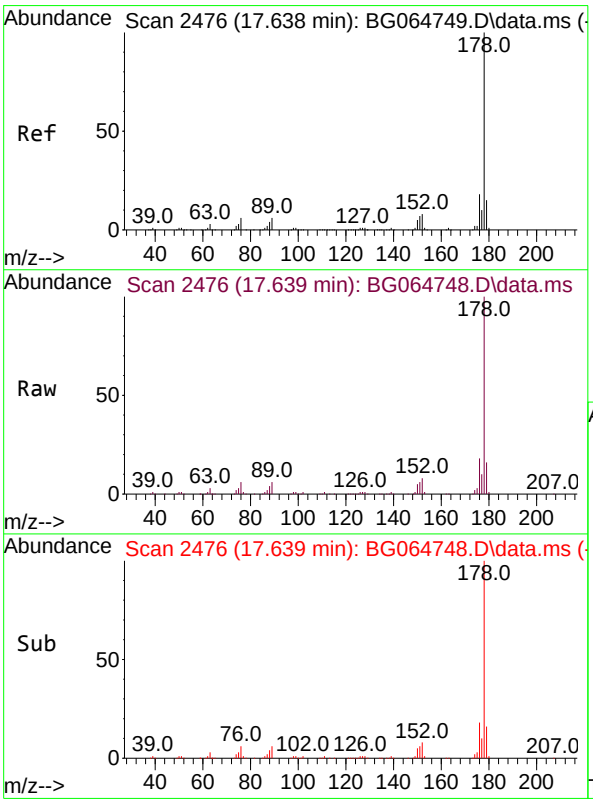
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.2	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

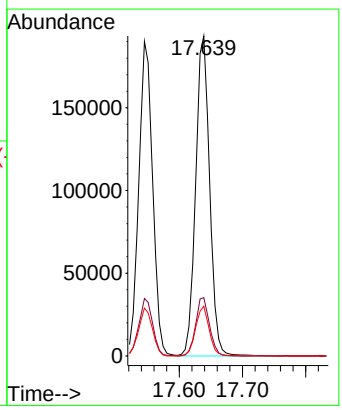
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

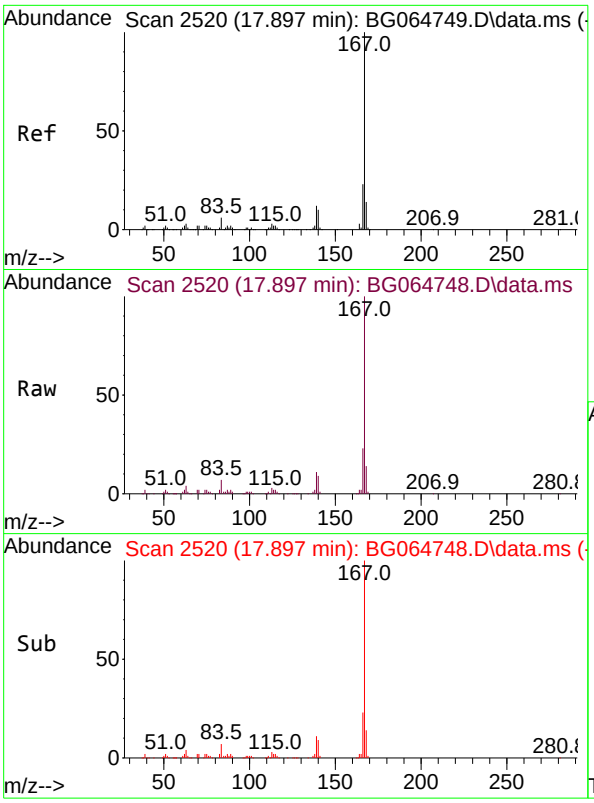


#72
Anthracene
Concen: 20.642 ng
RT: 17.639 min Scan# 2476
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:178 Resp: 297476

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.5	12.2	18.4

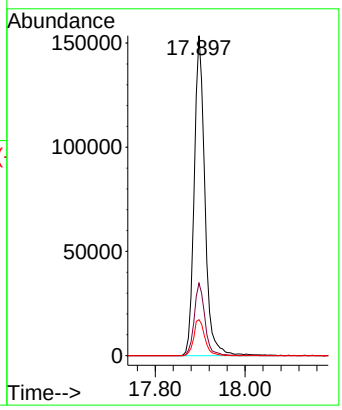




#73
Carbazole
Concen: 20.477 ng
RT: 17.897 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:167 Resp: 25368

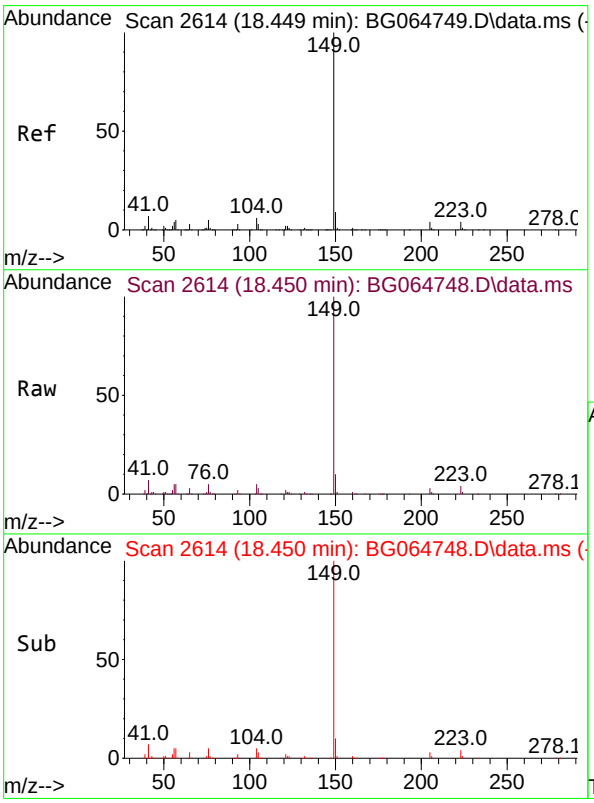
Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	11.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

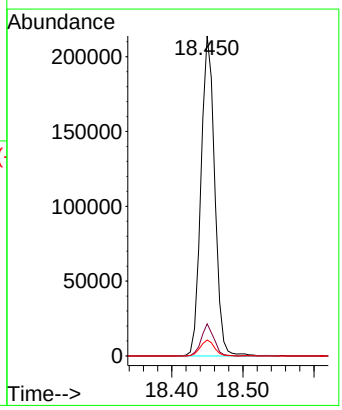
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

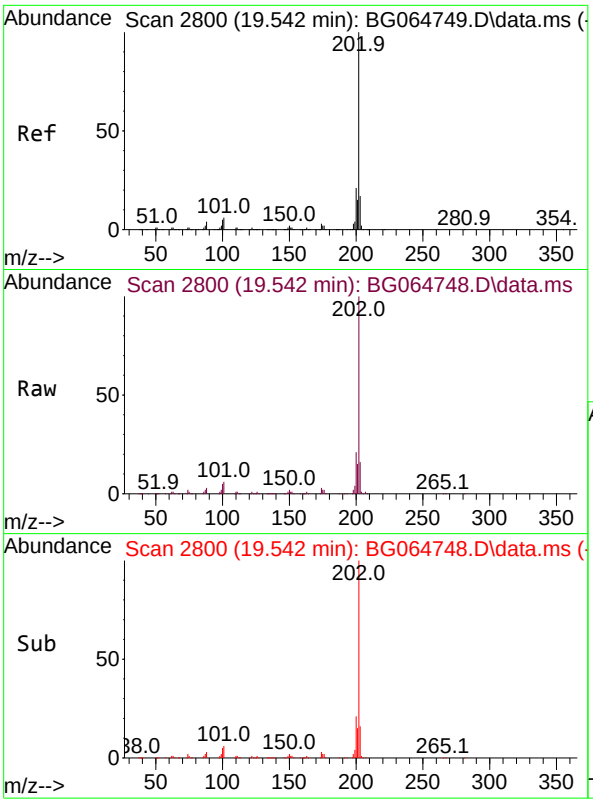


#74
Di-n-butylphthalate
Concen: 20.654 ng
RT: 18.450 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 285465

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.5	11.3
104	5.0	4.4	6.6





#75
Fluoranthene
Concen: 20.462 ng
RT: 19.542 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

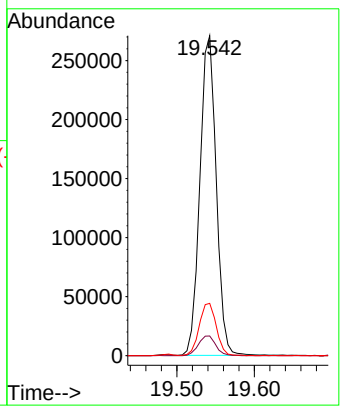
Tgt Ion:202 Resp: 39544

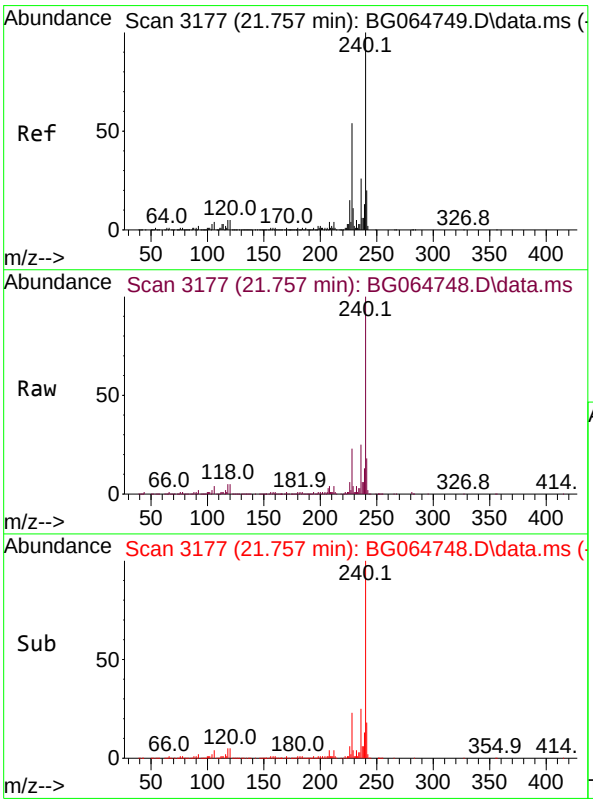
Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	26.4
203	16.3	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

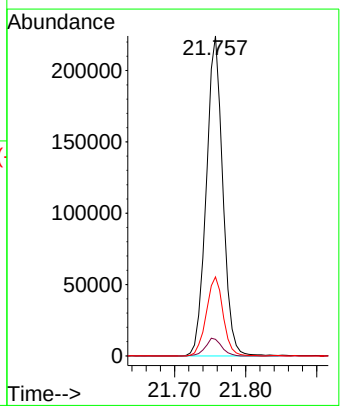


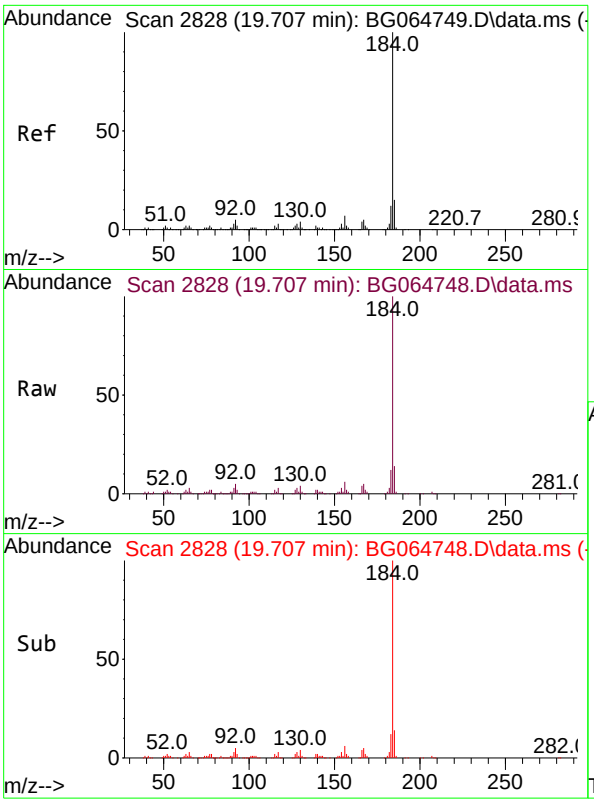


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.757 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:240 Resp: 361266

Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.2	6.4
236	24.7	20.8	31.2

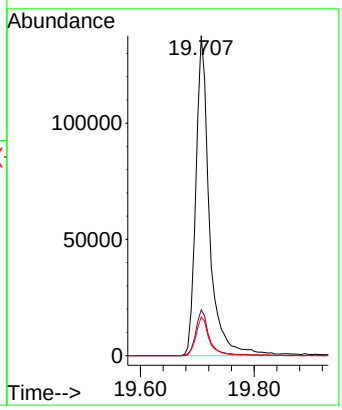




#77
Benzidine
Concen: 21.077 ng
RT: 19.707 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:184 Resp: 22804

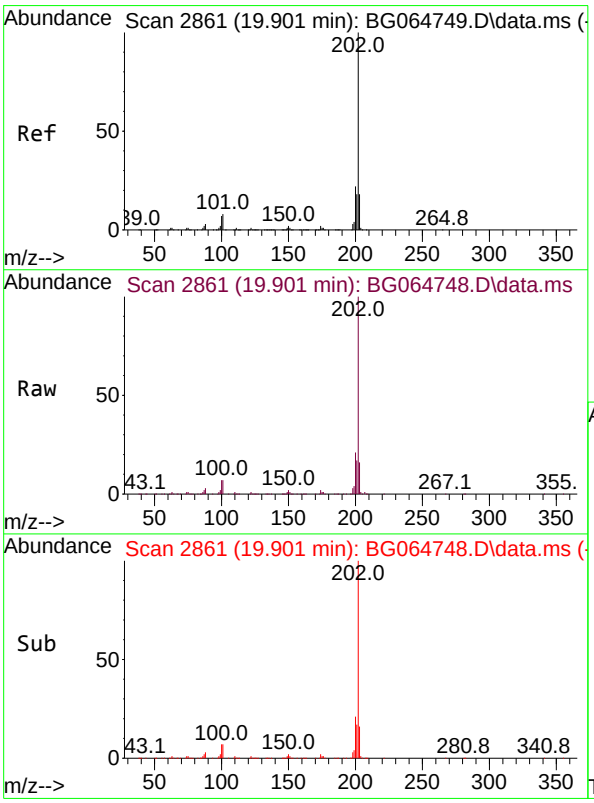
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	12.1	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

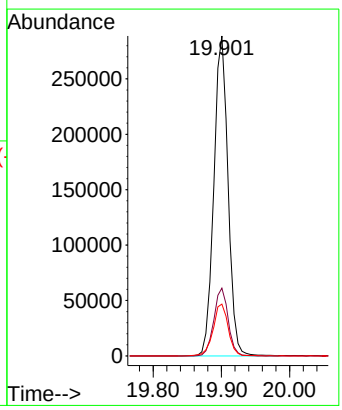
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

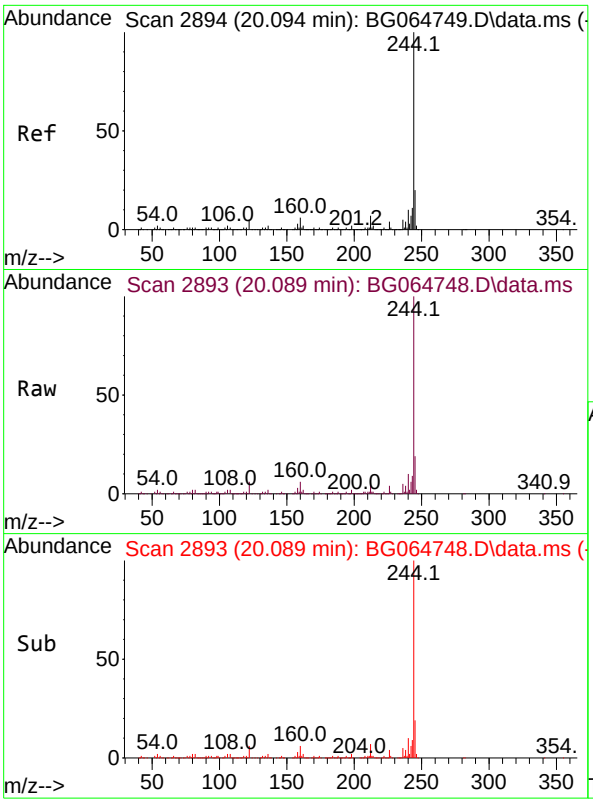


#78
Pyrene
Concen: 20.433 ng
RT: 19.901 min Scan# 2861
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:202 Resp: 413710

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.9	26.9
203	16.2	14.0	21.0

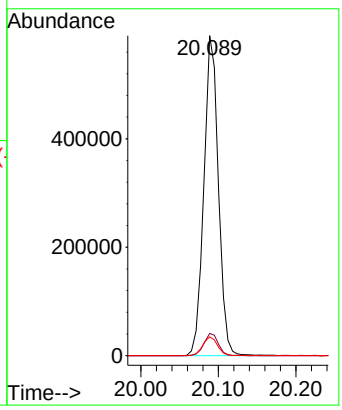




#79
Terphenyl-d14
Concen: 41.712 ng
RT: 20.089 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:244 Resp: 76605

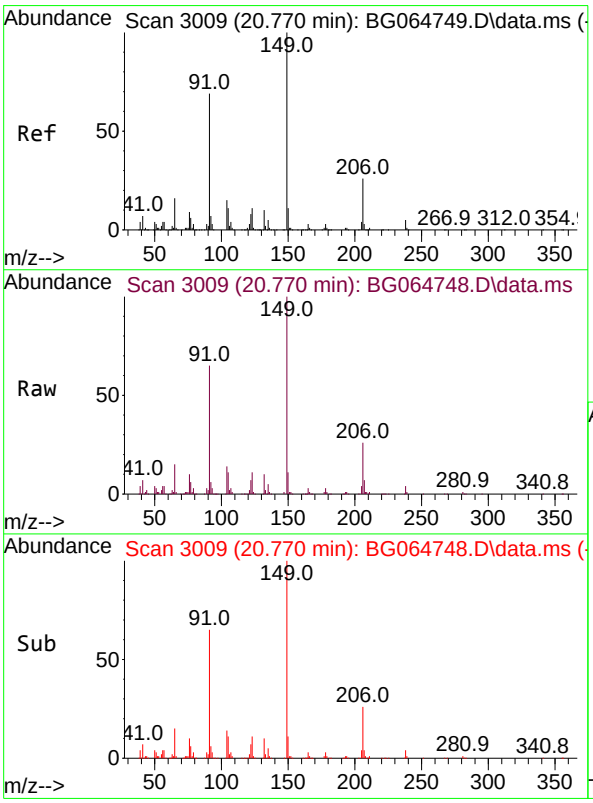
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	5.9	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

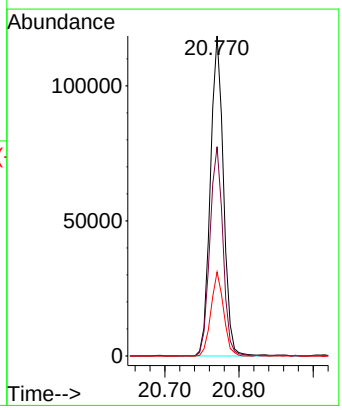
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

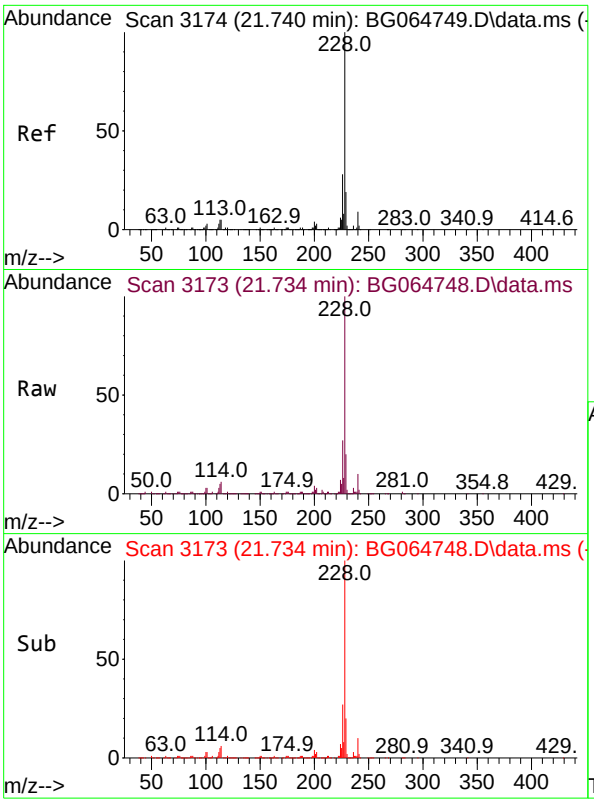


#80
Butylbenzylphthalate
Concen: 20.408 ng
RT: 20.770 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 145343

Ion	Ratio	Lower	Upper
149	100		
91	65.4	54.9	82.3
206	26.3	21.2	31.8

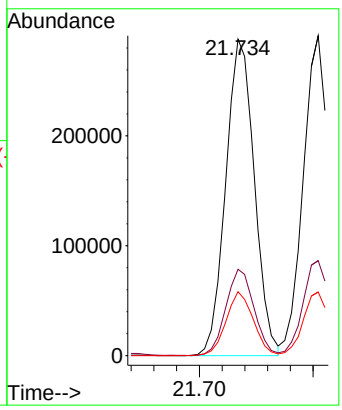




#81
Benzo(a)anthracene
Concen: 20.512 ng
RT: 21.734 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:228 Resp: 50386

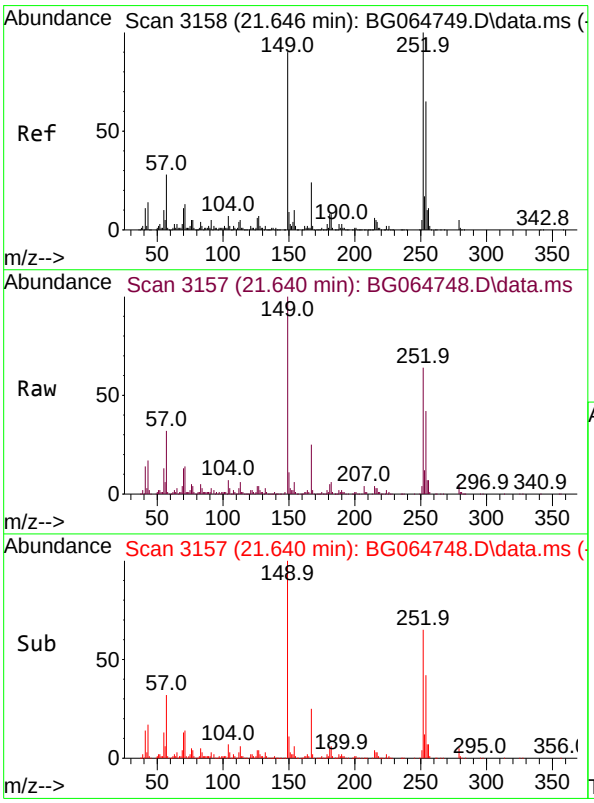
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.2	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

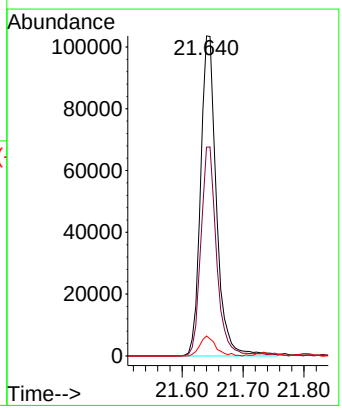
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

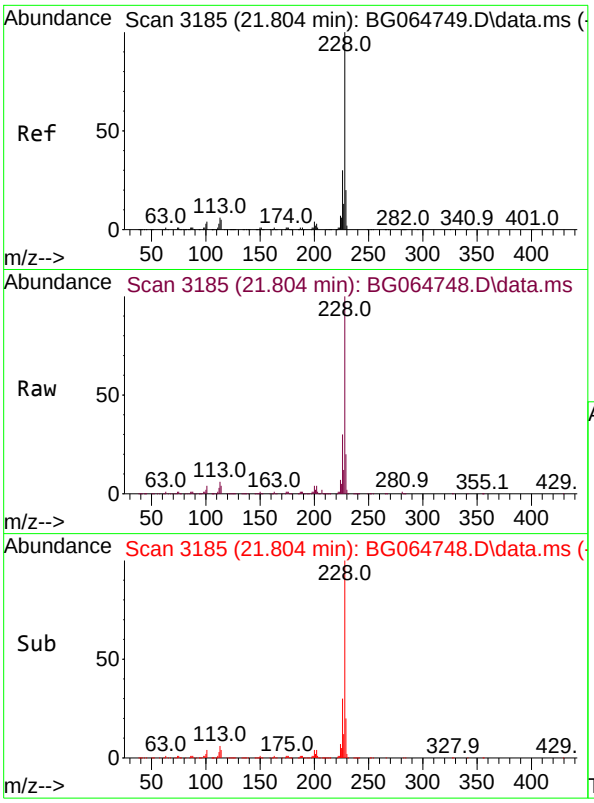


#82
3,3'-Dichlorobenzidine
Concen: 20.680 ng
RT: 21.640 min Scan# 3157
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 186980

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.8
126	6.2	4.7	7.1

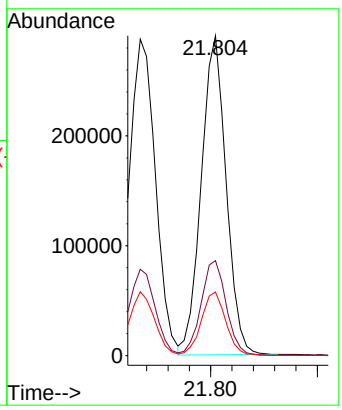




#83
Chrysene
Concen: 20.299 ng
RT: 21.804 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:228 Resp: 47011

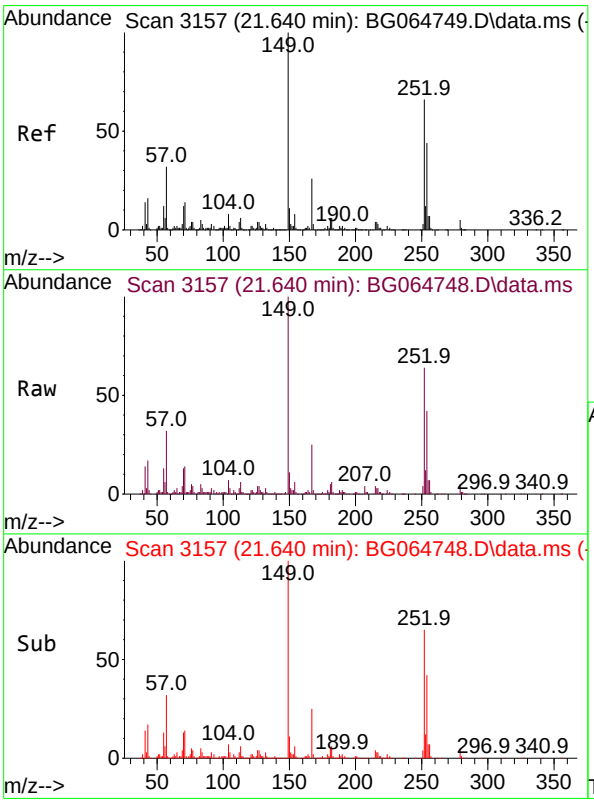
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.9	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

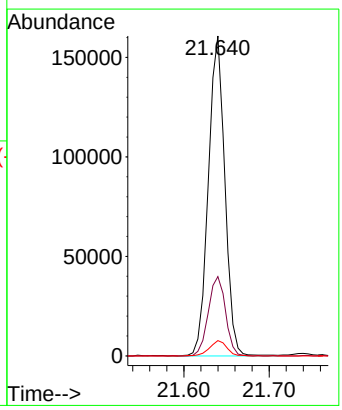
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

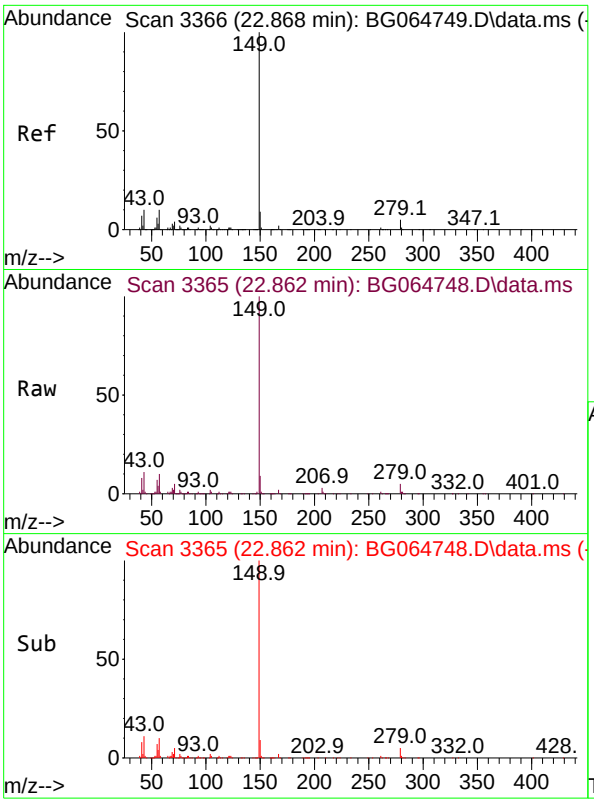


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.763 ng
RT: 21.640 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 216073

Ion	Ratio	Lower	Upper
149	100		
167	24.8	21.0	31.4
279	4.8	4.1	6.1

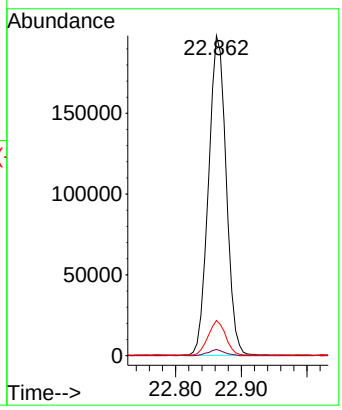




#85
Di-n-octyl phthalate
Concen: 20.598 ng
RT: 22.862 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 37053

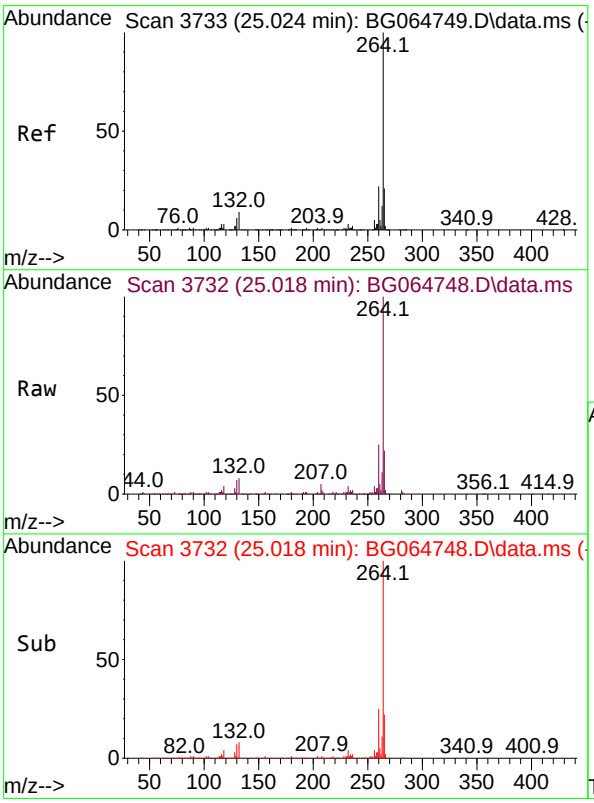
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	10.8	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

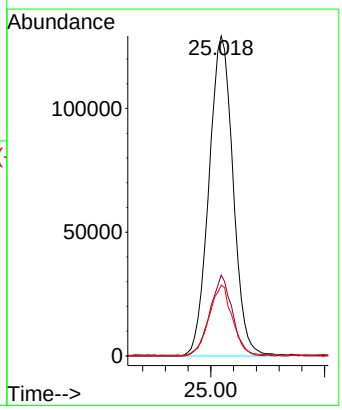
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

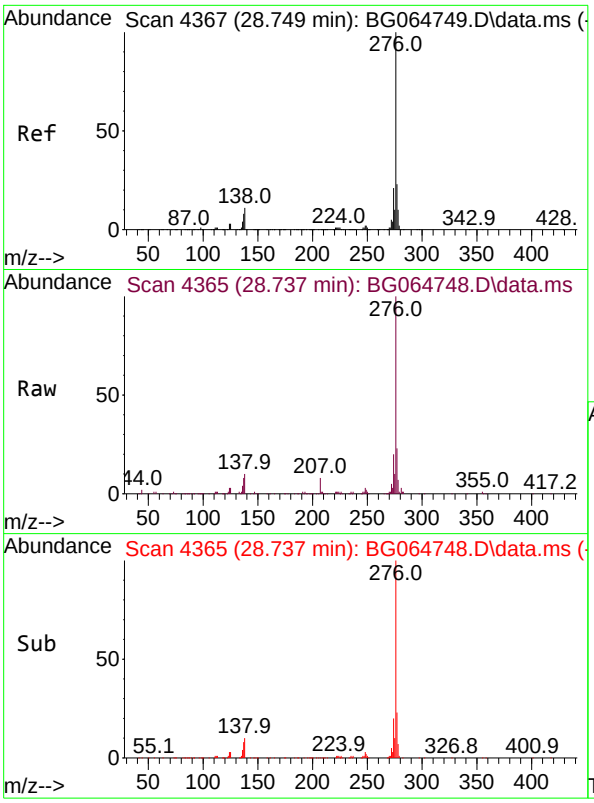


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3732
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:264 Resp: 380612

Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.2	25.8
265	22.1	16.6	25.0

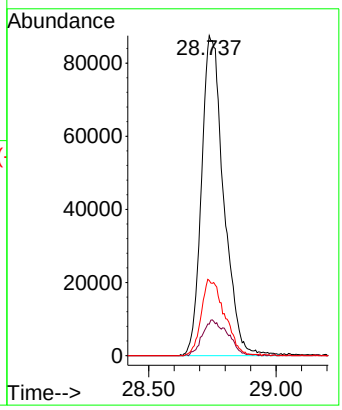




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.196 ng
RT: 28.737 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:276 Resp: 52810

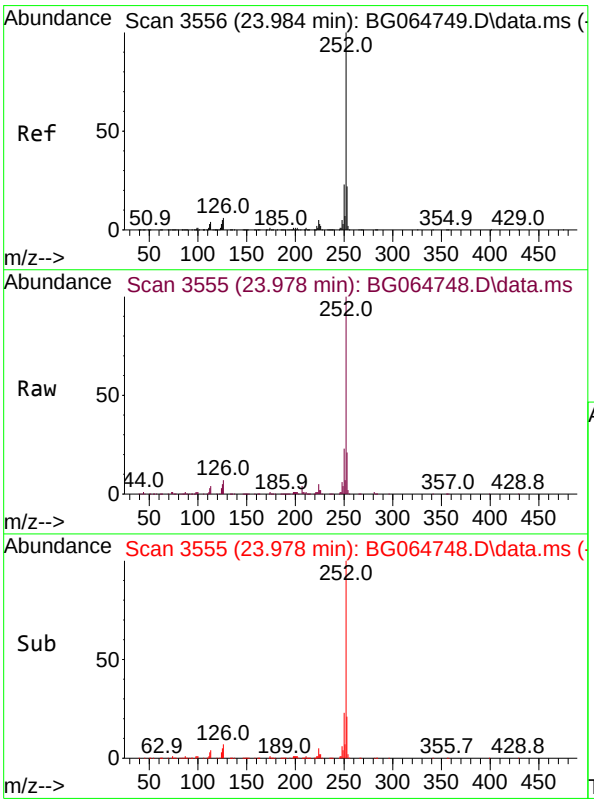
Ion	Ratio	Lower	Upper
276	100		
138	12.6	4.5	6.7
277	25.0	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

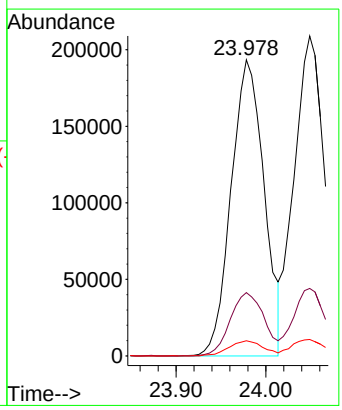
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

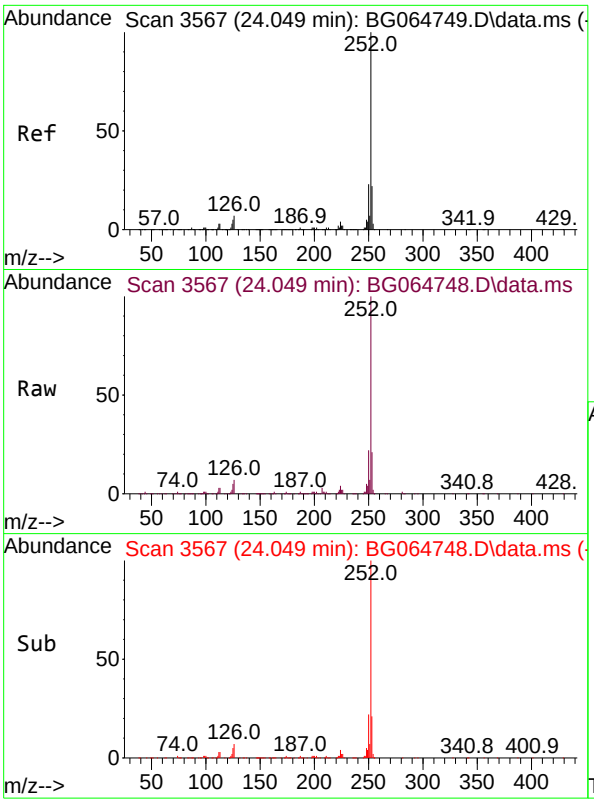


#88
Benzo(b)fluoranthene
Concen: 20.419 ng
RT: 23.978 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 494588

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	5.1	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 20.661 ng
RT: 24.049 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

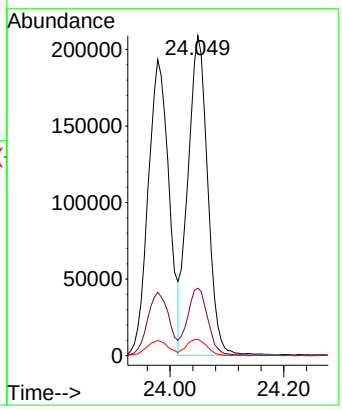
Tgt Ion:252 Resp: 50278

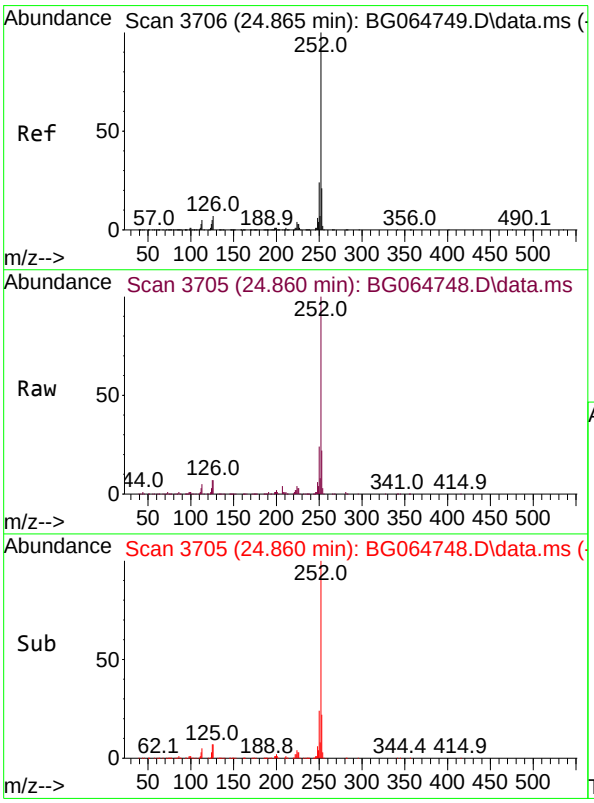
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.8
125	5.1	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

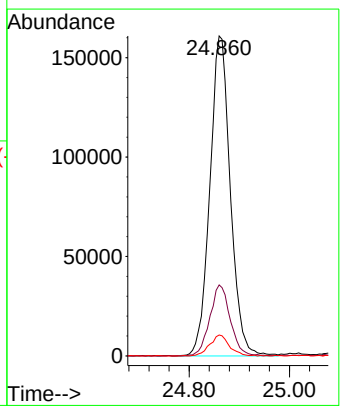


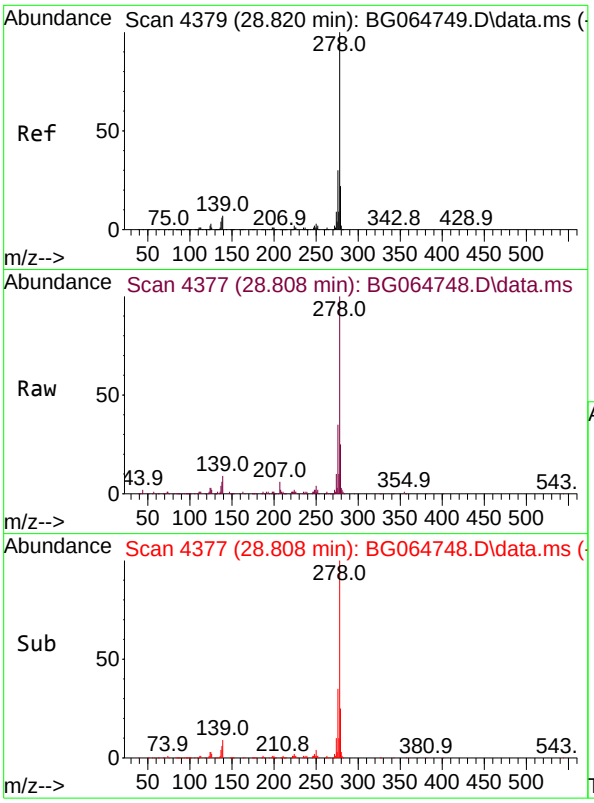


#90
Benzo(a)pyrene
Concen: 20.279 ng
RT: 24.860 min Scan# 3705
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 455638

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.9	25.3
125	6.5	4.2	6.4#

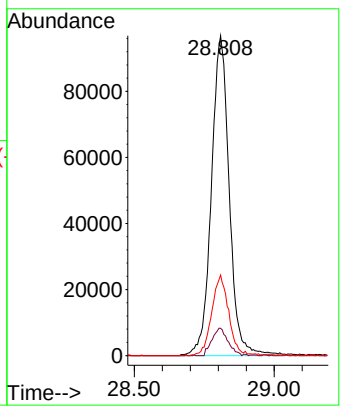




#91
Dibenzo(a,h)anthracene
Concen: 20.043 ng
RT: 28.808 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:278 Resp: 42935

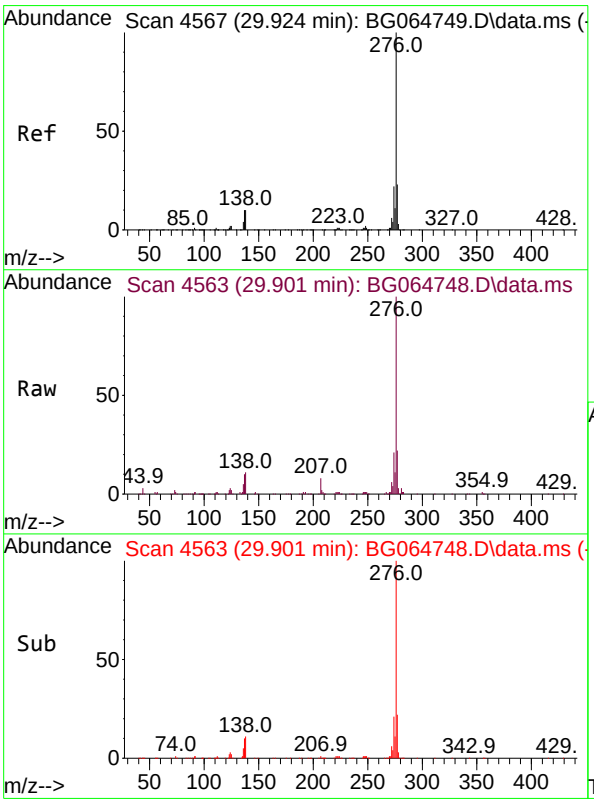
Ion	Ratio	Lower	Upper
278	100		
139	8.5	5.8	8.8
279	25.2	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

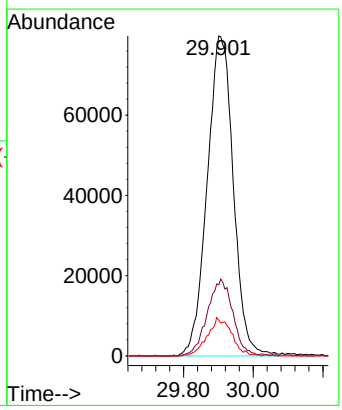
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 20.148 ng
RT: 29.901 min Scan# 4563
Delta R.T. -0.023 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:276 Resp: 415387

Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.0	27.0
138	11.1	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	29893	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	119709	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	96177	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	237407	20.000	ng	0.00
76) Chrysene-d12	21.757	240	329177	20.000	ng	0.00
86) Perylene-d12	25.024	264	372727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	139863	81.702	ng	0.00
7) Phenol-d6	7.309	99	188921	82.974	ng	0.00
23) Nitrobenzene-d5	9.331	82	198316	81.909	ng	0.00
42) 2,4,6-Tribromophenol	16.252	330	148361	79.094	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	546263	79.252	ng	0.00
79) Terphenyl-d14	20.094	244	1332639	79.636	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.531	88	27983	42.224	ng	100
3) Pyridine	3.943	79	81588	41.318	ng	100
4) n-Nitrosodimethylamine	3.849	42	41058	40.853	ng	100
6) Aniline	7.480	93	126088	41.546	ng	100
8) 2-Chlorophenol	7.727	128	77911	41.449	ng	100
9) Benzaldehyde	7.292	77	61503	41.265	ng	100
10) Phenol	7.339	94	102268	41.282	ng	100
11) bis(2-Chloroethyl)ether	7.574	93	73774	41.850	ng	100
12) 1,3-Dichlorobenzene	8.056	146	89183	41.233	ng	100
13) 1,4-Dichlorobenzene	8.202	146	89723	40.738	ng	100
14) 1,2-Dichlorobenzene	8.526	146	88214	41.308	ng	100
15) Benzyl Alcohol	8.396	79	78013	41.743	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.696	45	169410	40.601	ng	100
17) 2-Methylphenol	8.596	107	72805	41.535	ng	100
18) Hexachloroethane	9.266	117	33674	40.368	ng	100
19) n-Nitroso-di-n-propyla...	8.972	70	65561	42.586	ng	100
20) 3+4-Methylphenols	8.925	107	98567	41.047	ng	100
22) Acetophenone	8.990	105	134228	41.157	ng	100
24) Nitrobenzene	9.372	77	99239	40.566	ng	100
25) Isophorone	9.900	82	183548	39.810	ng	100
26) 2-Nitrophenol	10.083	139	46262	42.042	ng	100
27) 2,4-Dimethylphenol	10.136	122	79277	40.554	ng	100
28) bis(2-Chloroethoxy)met...	10.376	93	101634	40.152	ng	100
29) 2,4-Dichlorophenol	10.623	162	87203	41.549	ng	100
30) 1,2,4-Trichlorobenzene	10.846	180	101577	40.080	ng	100
31) Naphthalene	11.034	128	273246	40.266	ng	100
32) Benzoic acid	10.247	122	48881m	36.872	ng	
33) 4-Chloroaniline	11.128	127	112885	41.584	ng	100
34) Hexachlorobutadiene	11.322	225	87713	40.337	ng	100
35) Caprolactam	11.886	113	24687	39.361	ng	100
36) 4-Chloro-3-methylphenol	12.233	107	93305	39.942	ng	100
37) 2-Methylnaphthalene	12.627	142	202114	39.800	ng	100
38) 1-Methylnaphthalene	12.844	142	199683	39.585	ng	100
40) 1,2,4,5-Tetrachloroben...	12.991	216	150333	40.165	ng	100
41) Hexachlorocyclopentadiene	12.973	237	107795	40.179	ng	100
43) 2,4,6-Trichlorophenol	13.220	196	89524	40.752	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.291	196	100121	40.636	ng	100
46) 1,1'-Biphenyl	13.620	154	274766	39.776	ng	100
47) 2-Chloronaphthalene	13.661	162	215361	39.573	ng	100
48) 2-Nitroaniline	13.849	65	71445	40.816	ng	100
49) Acenaphthylene	14.501	152	371193	39.925	ng	100
50) Dimethylphthalate	14.219	163	297932	39.215	ng	100
51) 2,6-Dinitrotoluene	14.336	165	58753	40.189	ng	100
52) Acenaphthene	14.842	154	224207	40.220	ng	100
53) 3-Nitroaniline	14.666	138	58858	40.792	ng	100
54) 2,4-Dinitrophenol	14.871	184	32531	37.583	ng	100
55) Dibenzofuran	15.171	168	359176	38.973	ng	100
56) 4-Nitrophenol	14.959	139	46427	40.555	ng	100
57) 2,4-Dinitrotoluene	15.118	165	88959	40.589	ng	100
58) Fluorene	15.817	166	282884	39.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.388	232	96448	39.675	ng	100
60) Diethylphthalate	15.576	149	287069	39.444	ng	100
61) 4-Chlorophenyl-phenyle...	15.805	204	169253	39.017	ng	100
62) 4-Nitroaniline	15.817	138	61547	41.175	ng	100
63) Azobenzene	16.093	77	237589	39.248	ng	100
65) 4,6-Dinitro-2-methylph...	15.876	198	55489	42.097	ng	100
66) n-Nitrosodiphenylamine	16.011	169	255647	41.111	ng	100
67) 4-Bromophenyl-phenylether	16.693	248	127918	41.030	ng	100
68) Hexachlorobenzene	16.816	284	151827	40.195	ng	100
69) Atrazine	16.951	200	120184	40.086	ng	100
70) Pentachlorophenol	17.157	266	76096	37.572	ng	100
71) Phenanthrene	17.550	178	521873	40.177	ng	100
72) Anthracene	17.638	178	528364	39.892	ng	100
73) Carbazole	17.897	167	460859	40.475	ng	100
74) Di-n-butylphthalate	18.449	149	511236	40.245	ng	100
75) Fluoranthene	19.542	202	709557	39.948	ng	100
77) Benzidine	19.707	184	369544	37.485	ng	100
78) Pyrene	19.901	202	731495	39.650	ng	100
80) Butylbenzylphthalate	20.770	149	257466	39.676	ng	100
81) Benzo(a)anthracene	21.740	228	907919	40.563	ng	100
82) 3,3'-Dichlorobenzidine	21.646	252	340049	41.276	ng	100
83) Chrysene	21.804	228	861680	40.834	ng	100
84) Bis(2-ethylhexyl)phtha...	21.640	149	384010	40.497	ng	100
85) Di-n-octyl phthalate	22.868	149	683175	41.680	ng	100
87) Indeno(1,2,3-cd)pyrene	28.749	276	1043099	40.734	ng	100
88) Benzo(b)fluoranthene	23.984	252	962053	40.559	ng	100
89) Benzo(k)fluoranthene	24.049	252	931152	39.075	ng	100
90) Benzo(a)pyrene	24.865	252	887984	40.357	ng	100
91) Dibenzo(a,h)anthracene	28.820	278	858362	40.917	ng	100
92) Benzo(g,h,i)perylene	29.924	276	823658	40.796	ng	100

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

ICAL Form

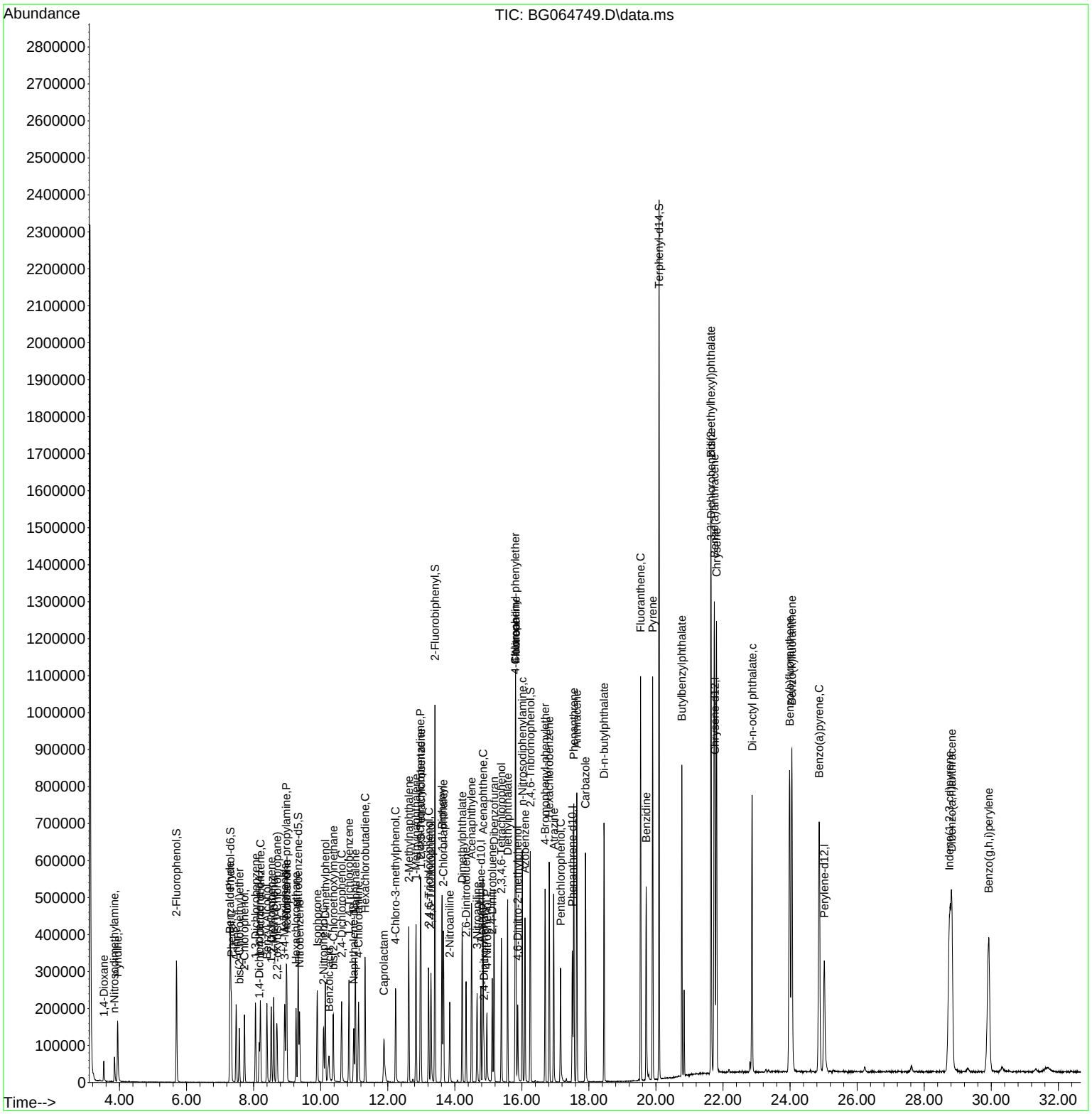
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

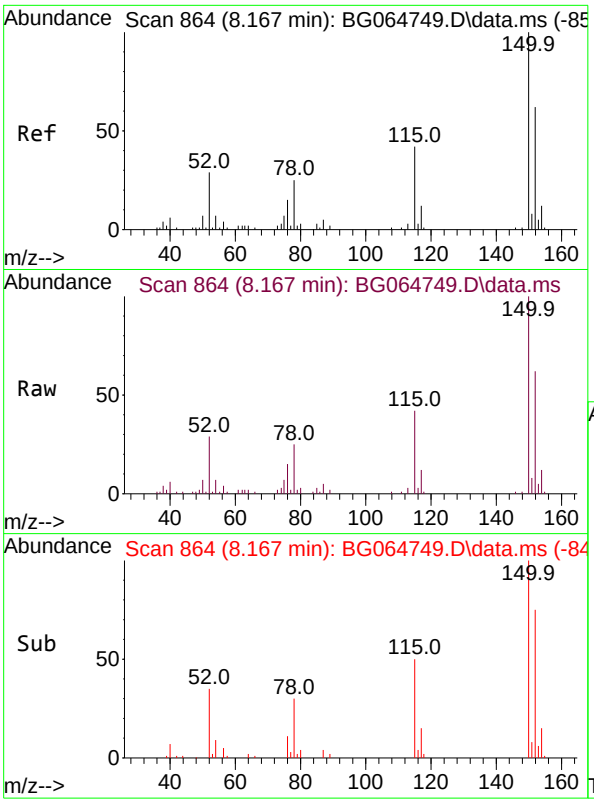
Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

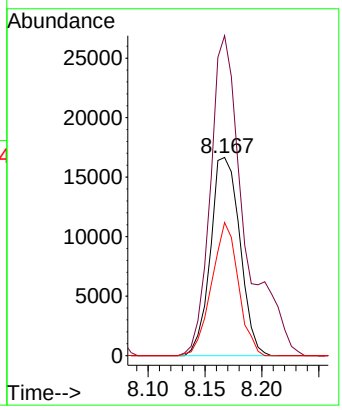




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:152 Resp: 2989

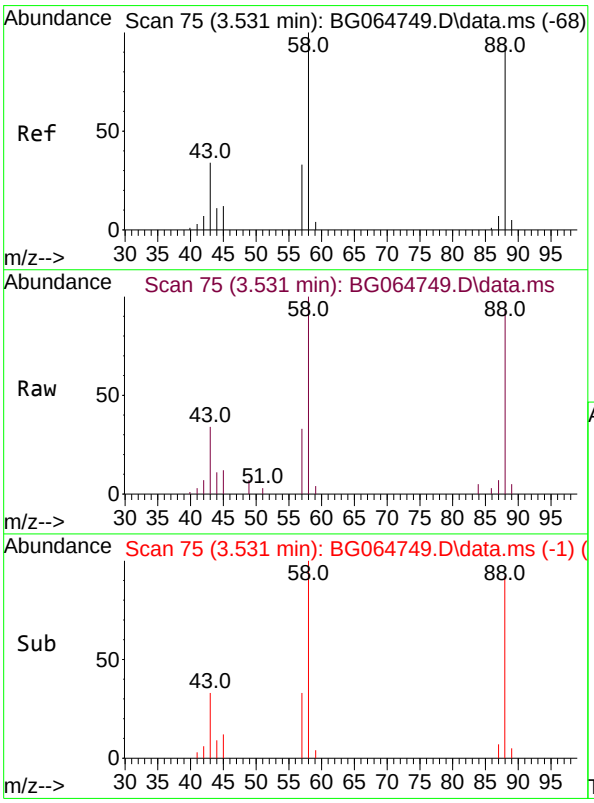
Ion	Ratio	Lower	Upper
152	100		
150	161.5	129.2	193.8
115	67.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

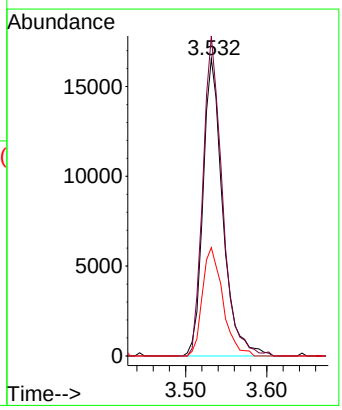
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

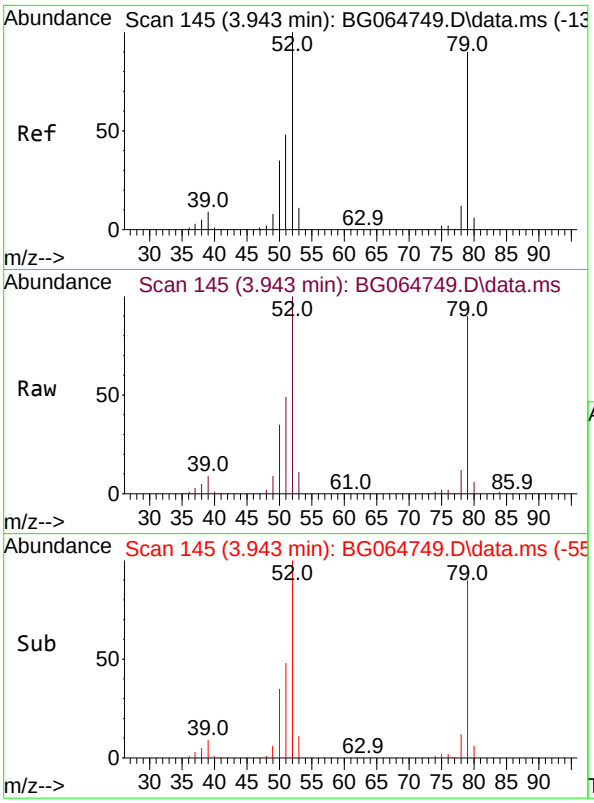


#2
1,4-Dioxane
Concen: 42.224 ng
RT: 3.531 min Scan# 75
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 88 Resp: 27983

Ion	Ratio	Lower	Upper
88	100		
58	105.7	84.6	126.8
43	37.5	30.0	45.0





#3
Pyridine
Concen: 41.318 ng
RT: 3.943 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

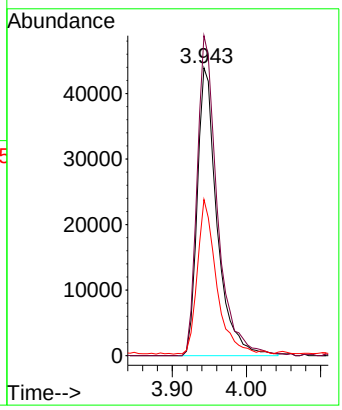
Tgt Ion: 79 Resp: 8158

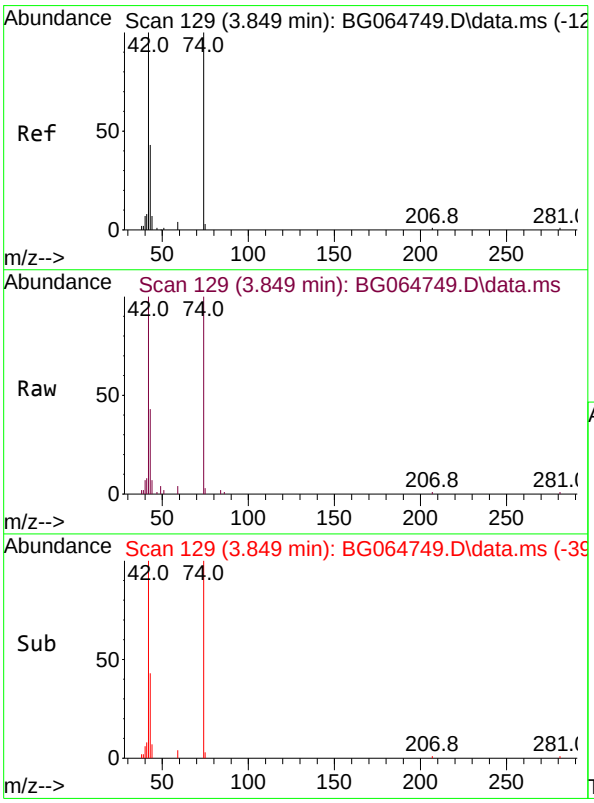
Ion	Ratio	Lower	Upper
79	100		
52	111.2	89.0	133.4
51	54.2	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

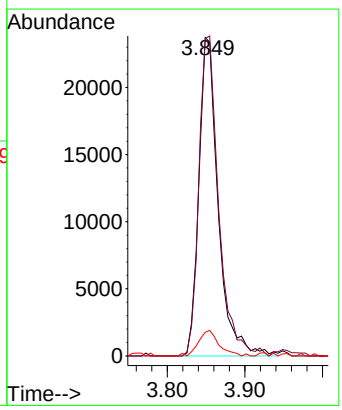


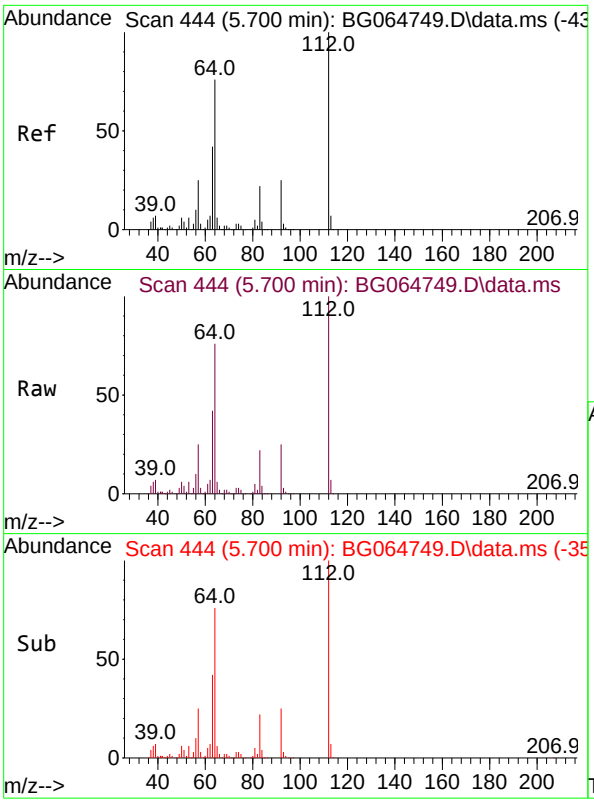


#4
n-Nitrosodimethylamine
Concen: 40.853 ng
RT: 3.849 min Scan# 129
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 42 Resp: 41058

Ion	Ratio	Lower	Upper
42	100		
74	99.7	79.8	119.6
44	7.4	5.9	8.9

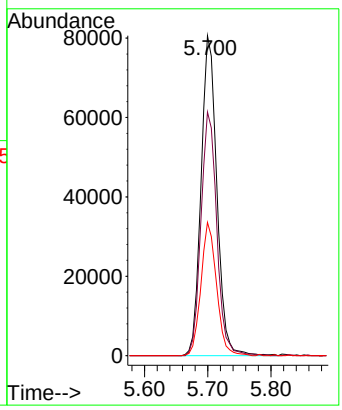




#5
2-Fluorophenol
Concen: 81.702 ng
RT: 5.700 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:112 Resp: 13986

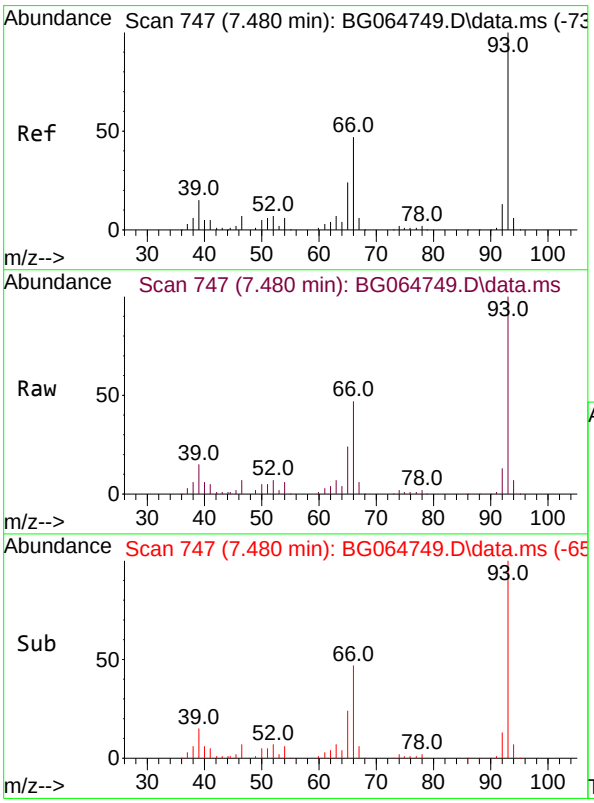
Ion	Ratio	Lower	Upper
112	100		
64	76.2	61.0	91.4
63	41.6	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

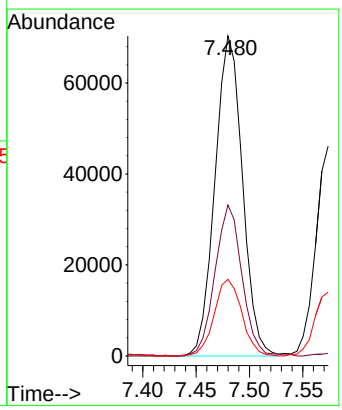
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

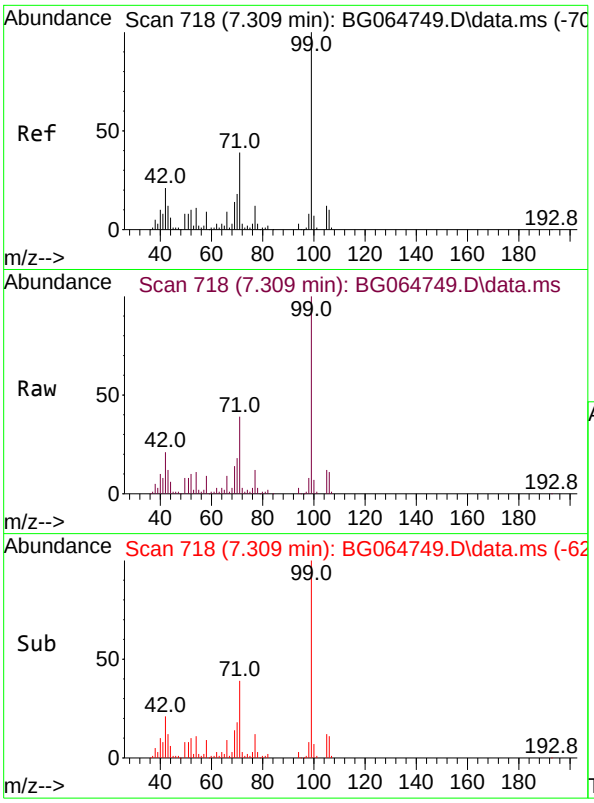


#6
Aniline
Concen: 41.546 ng
RT: 7.480 min Scan# 747
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 126088

Ion	Ratio	Lower	Upper
93	100		
66	47.1	37.7	56.5
65	23.9	19.1	28.7

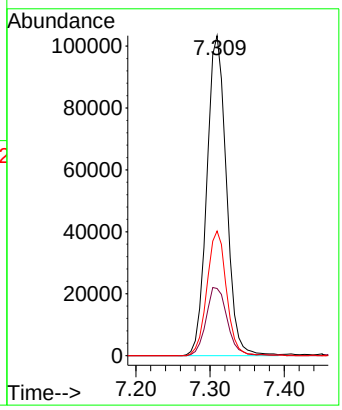




#7
Phenol-d6
Concen: 82.974 ng
RT: 7.309 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 99 Resp: 188921

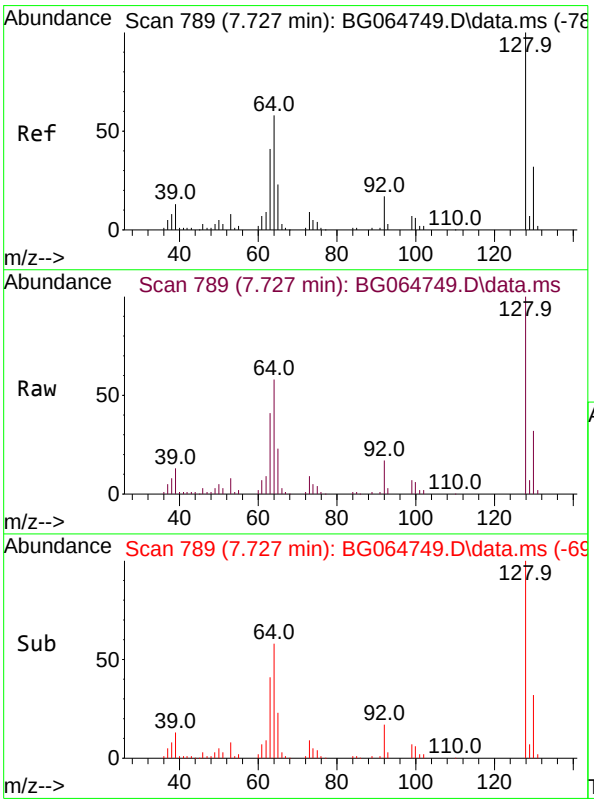
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.8	25.2
71	38.9	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

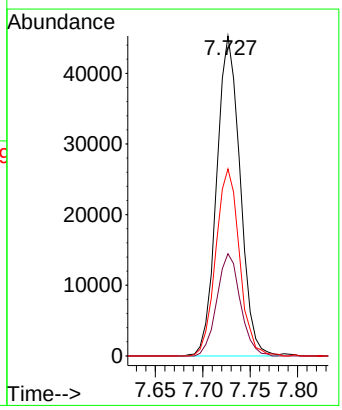
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

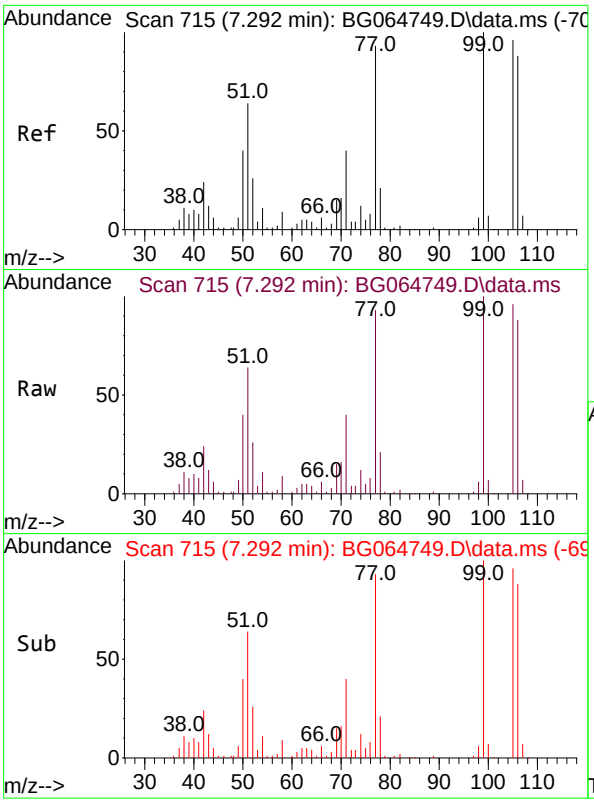


#8
2-Chlorophenol
Concen: 41.449 ng
RT: 7.727 min Scan# 789
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:128 Resp: 77911

Ion	Ratio	Lower	Upper
128	100		
130	31.9	11.9	51.9
64	58.4	38.4	78.4

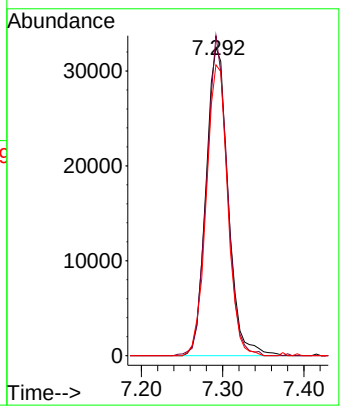




#9
Benzaldehyde
Concen: 41.265 ng
RT: 7.292 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 6150

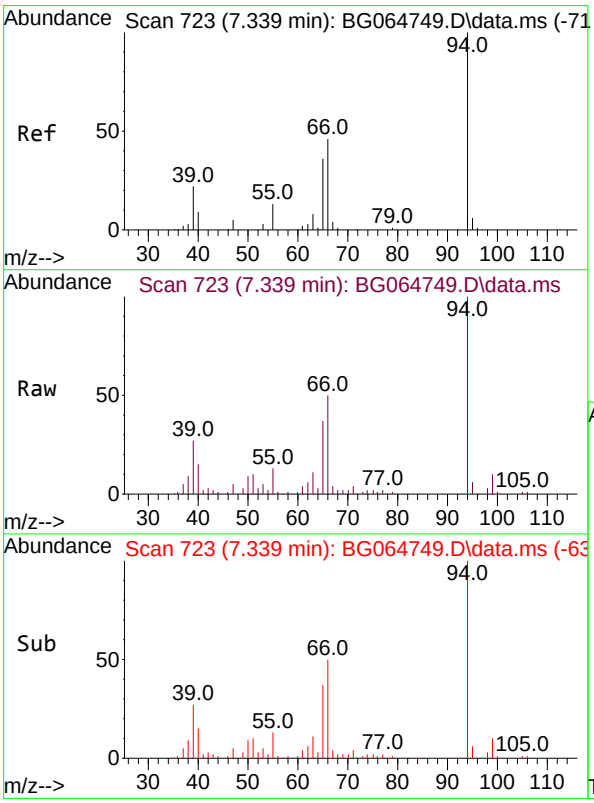
Ion	Ratio	Lower	Upper
77	100		
105	103.8	83.8	123.8
106	94.3	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

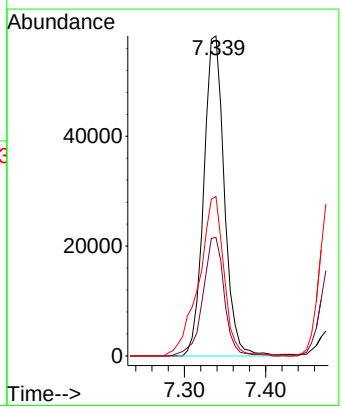
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

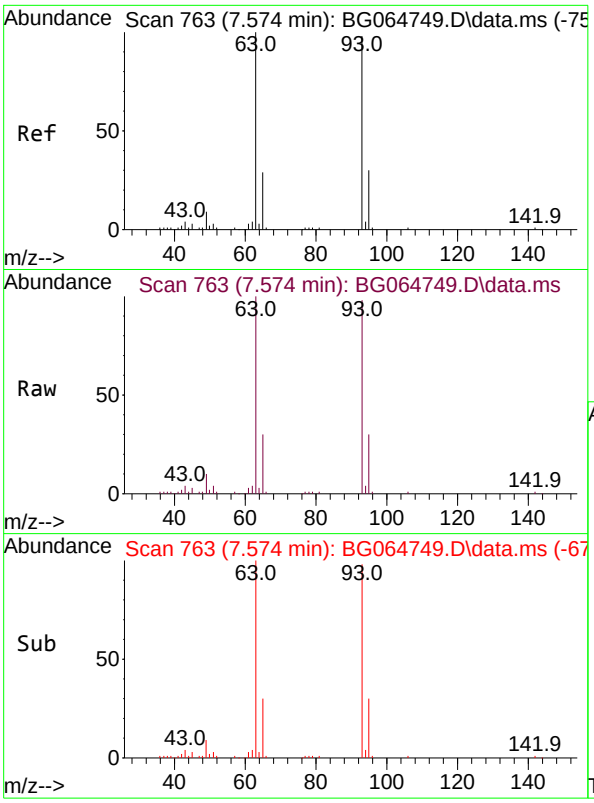


#10
Phenol
Concen: 41.282 ng
RT: 7.339 min Scan# 723
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 94 Resp: 102268

Ion	Ratio	Lower	Upper
94	100		
65	37.0	17.0	57.0
66	49.8	29.8	69.8

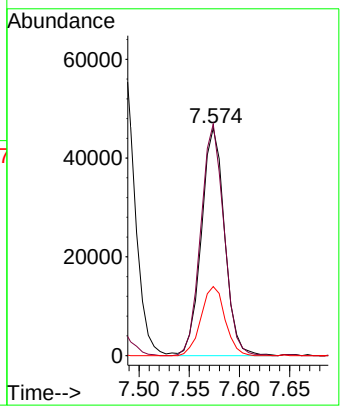




#11
bis(2-Chloroethyl)ether
Concen: 41.850 ng
RT: 7.574 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 7377

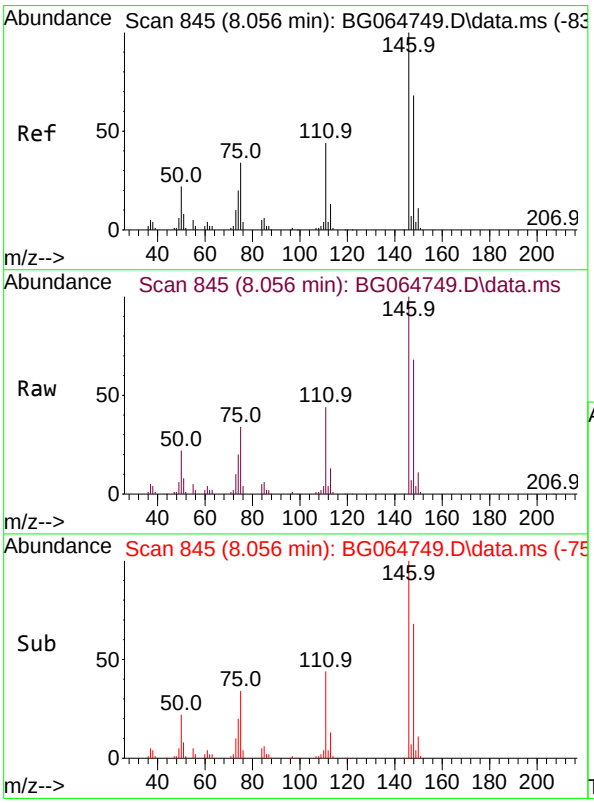
Ion	Ratio	Lower	Upper
93	100		
63	101.8	81.8	121.8
95	30.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

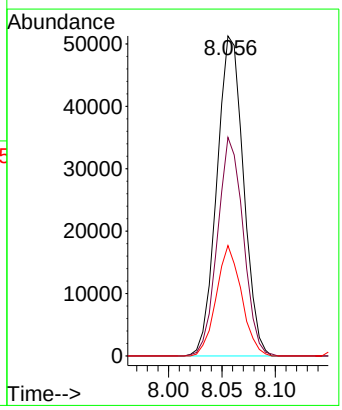
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

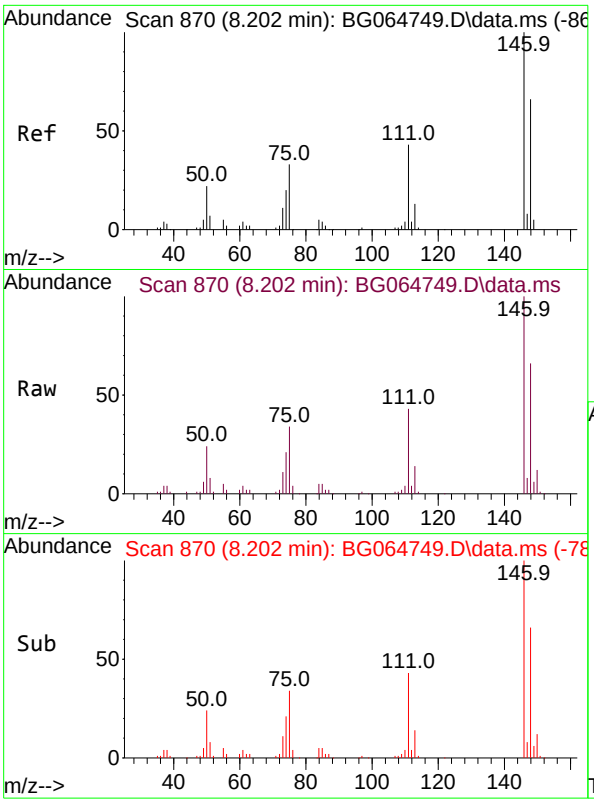


#12
1,3-Dichlorobenzene
Concen: 41.233 ng
RT: 8.056 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 89183

Ion	Ratio	Lower	Upper
146	100		
148	68.3	54.6	82.0
75	34.5	27.6	41.4

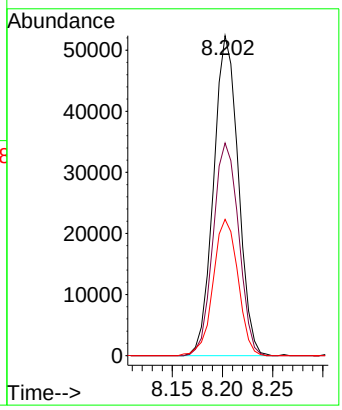




#13
1,4-Dichlorobenzene
Concen: 40.738 ng
RT: 8.202 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 8972

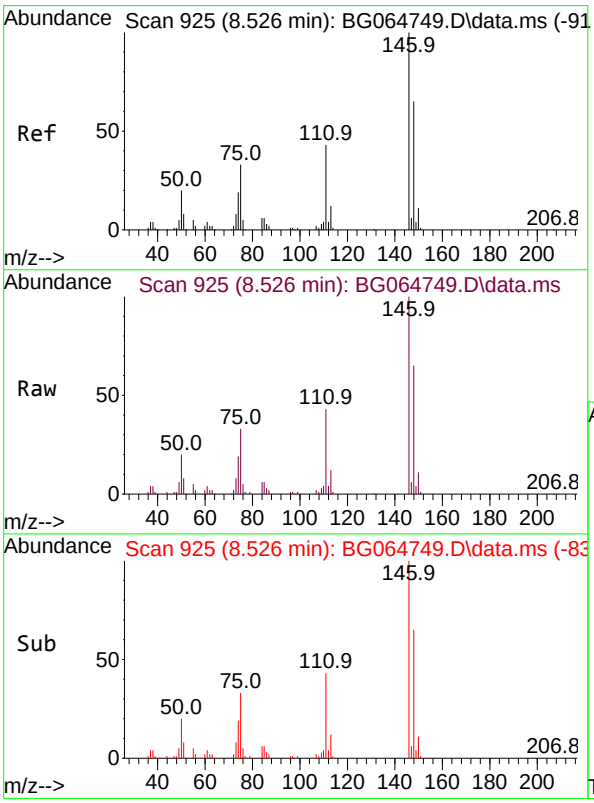
Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	42.6	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

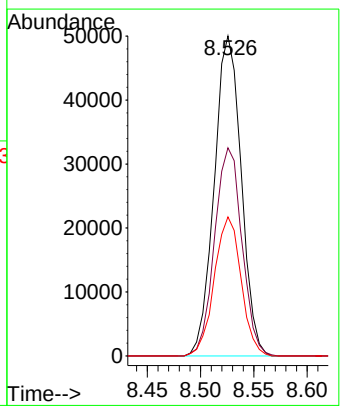
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

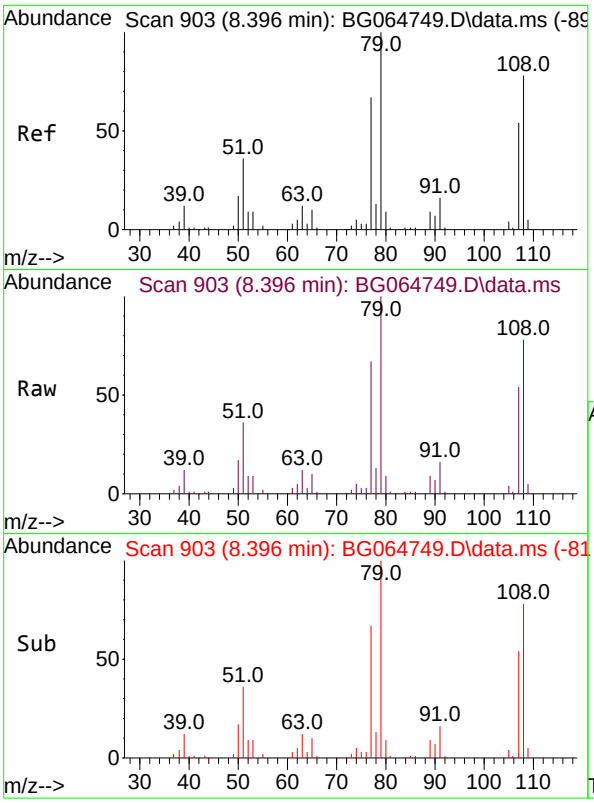


#14
1,2-Dichlorobenzene
Concen: 41.308 ng
RT: 8.526 min Scan# 925
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 88214

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	43.4	34.7	52.1

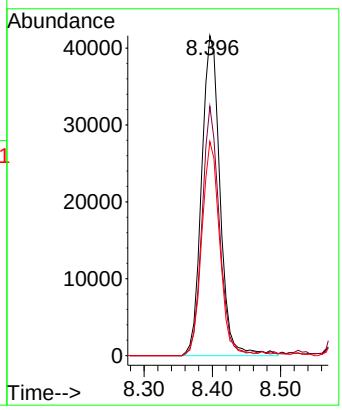




#15
Benzyl Alcohol
Concen: 41.743 ng
RT: 8.396 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 79 Resp: 7801

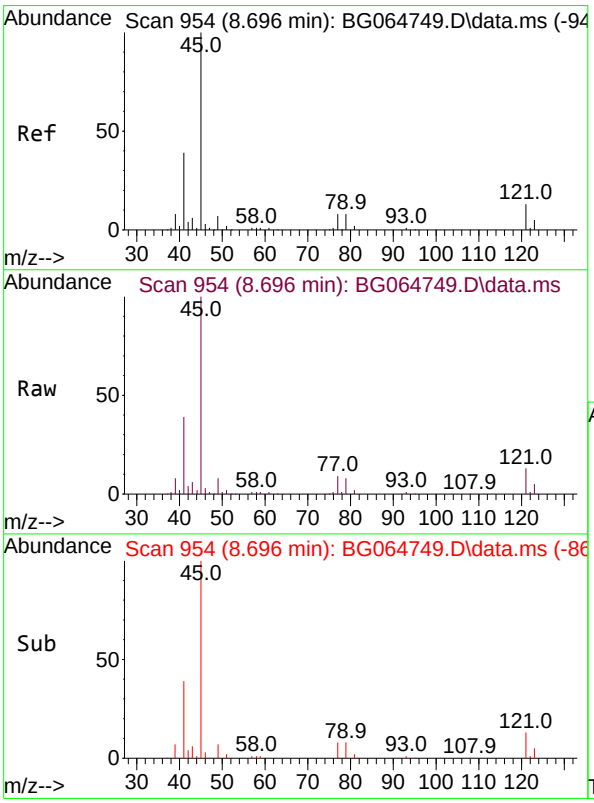
Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.3	93.5
77	66.9	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

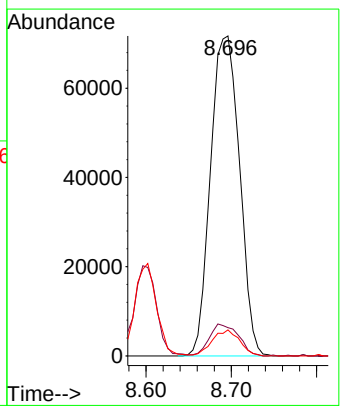
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

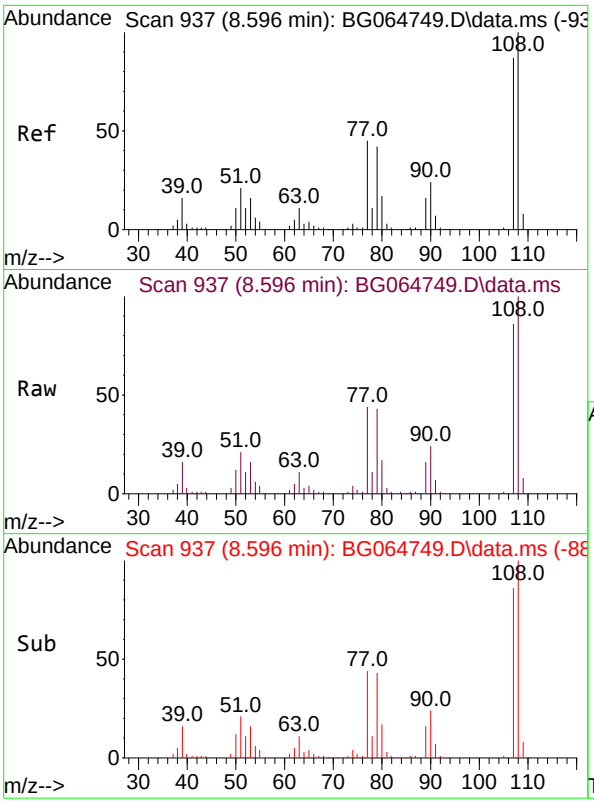


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.601 ng
RT: 8.696 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 45 Resp: 169410

Ion	Ratio	Lower	Upper
45	100		
77	8.8	0.0	28.8
79	8.1	0.0	28.1

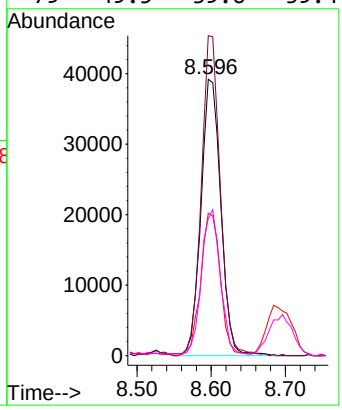




#17
2-Methylphenol
Concen: 41.535 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 7280

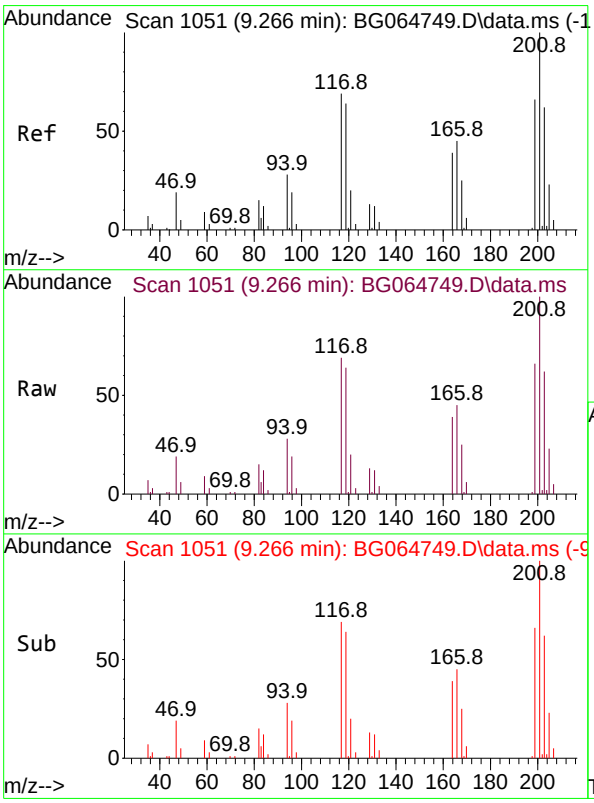
Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.6	138.8
77	51.5	41.2	61.8
79	49.5	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

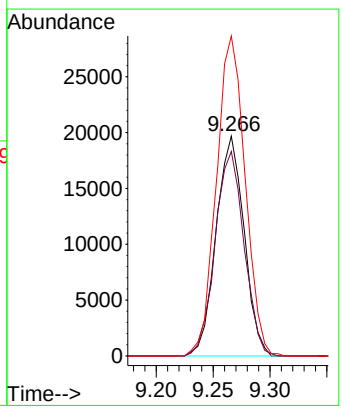
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

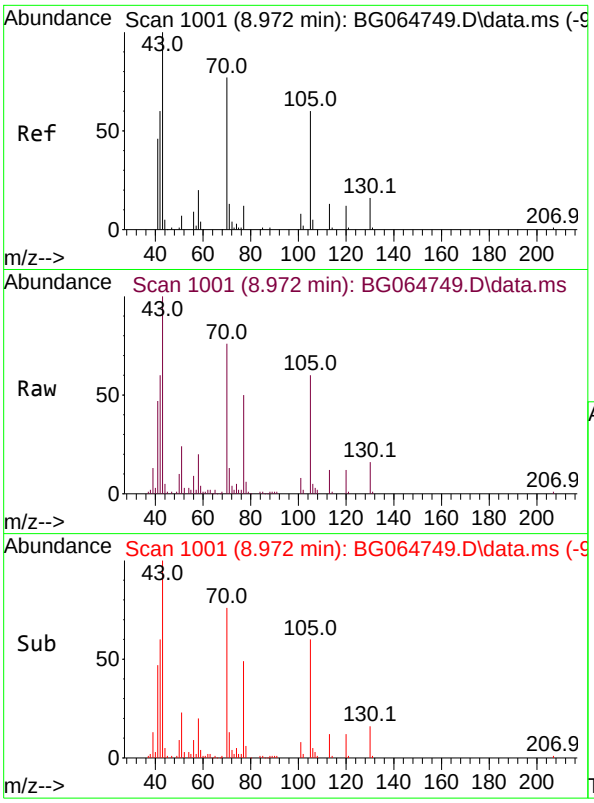


#18
Hexachloroethane
Concen: 40.368 ng
RT: 9.266 min Scan# 1051
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:117 Resp: 33674

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	111.6
201	145.6	116.5	174.7

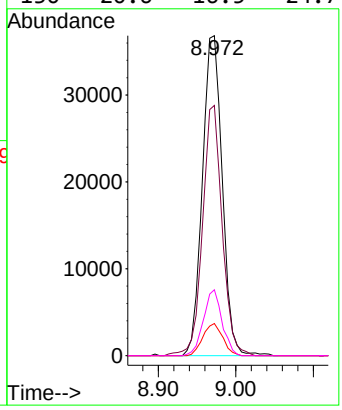




#19
n-Nitroso-di-n-propylamine
Concen: 42.586 ng
RT: 8.972 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 70 Resp: 6556

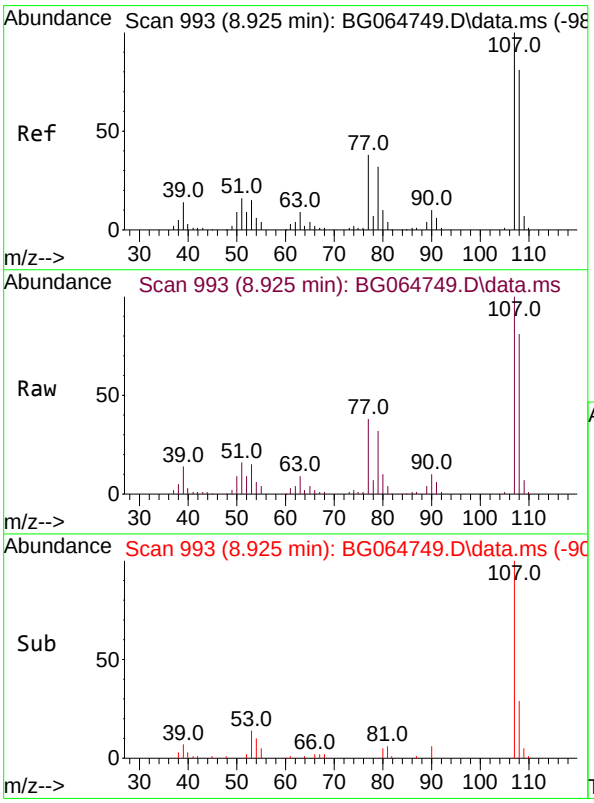
Ion	Ratio	Lower	Upper
70	100		
42	78.2	62.6	93.8
101	10.0	8.0	12.0
130	20.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

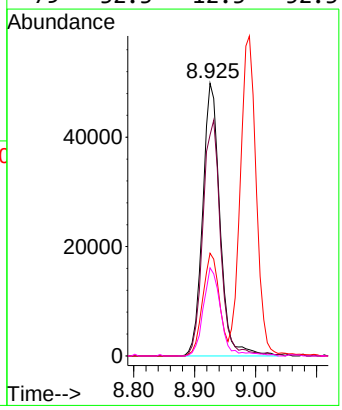
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

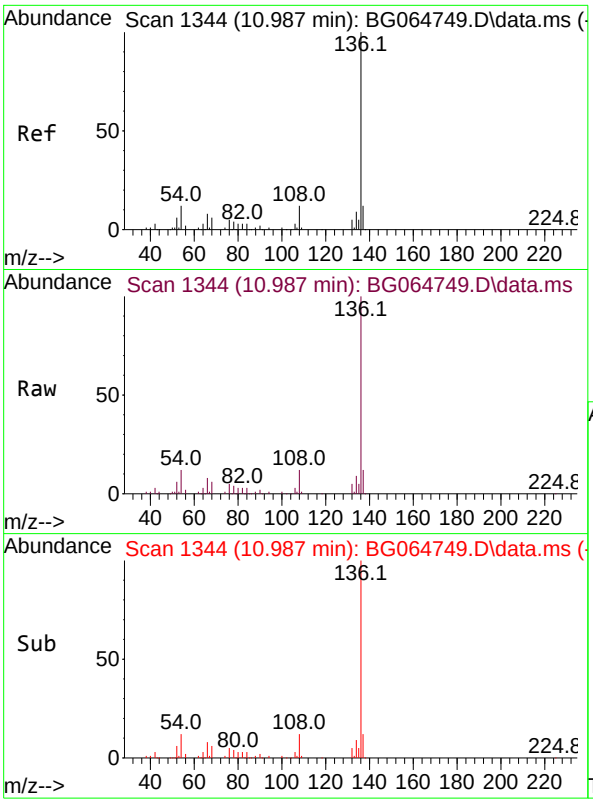


#20
3+4-Methylphenols
Concen: 41.047 ng
RT: 8.925 min Scan# 993
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 98567

Ion	Ratio	Lower	Upper
107	100		
108	81.0	61.0	101.0
77	37.6	17.6	57.6
79	32.3	12.3	52.3

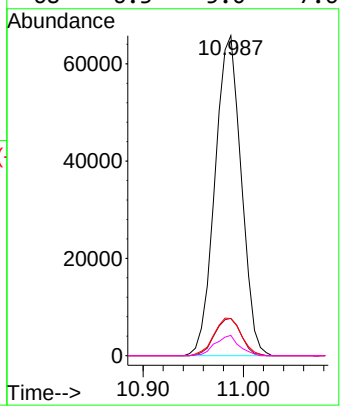




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:136 Resp: 11970

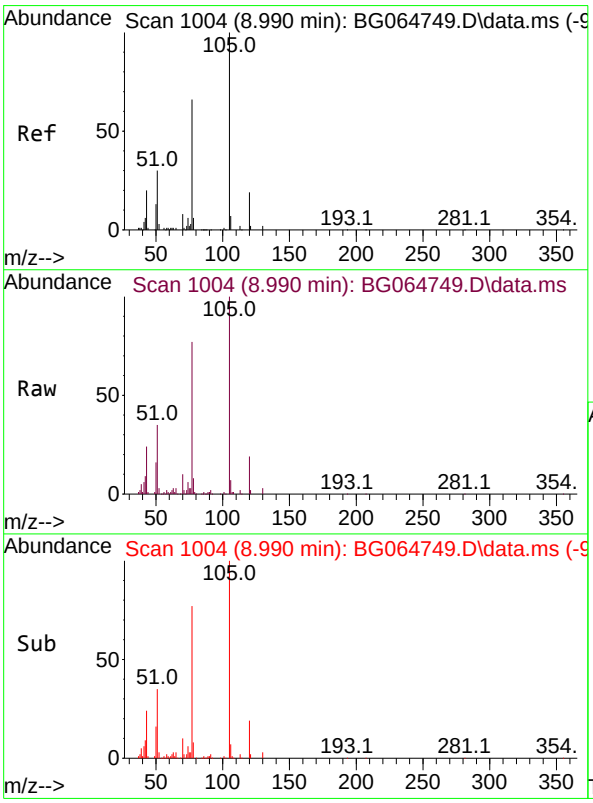
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	11.6	9.3	13.9
68	6.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

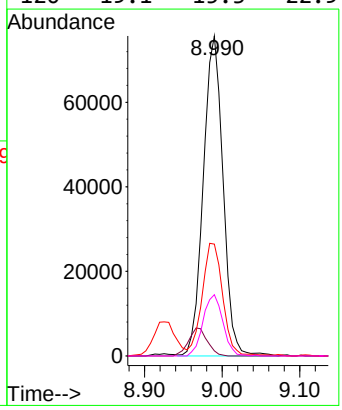
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

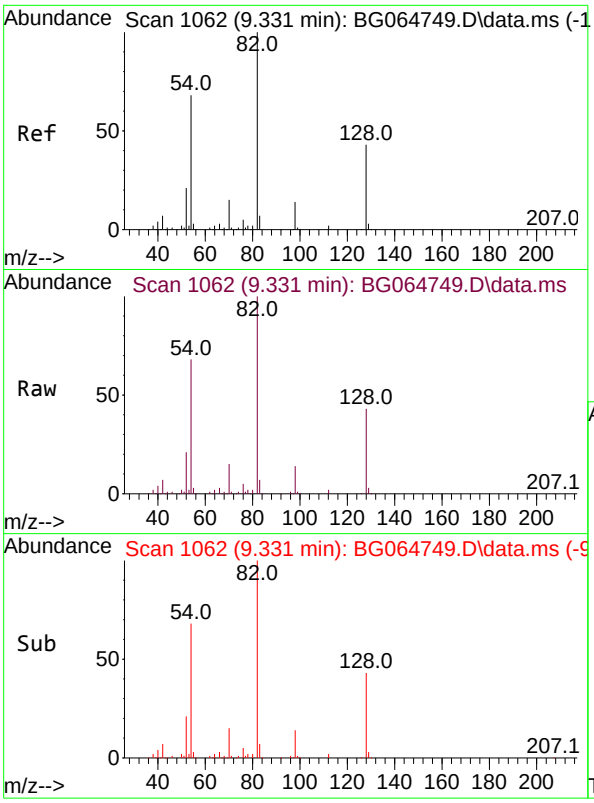


#22
Acetophenone
Concen: 41.157 ng
RT: 8.990 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:105 Resp: 134228

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.3	1.9
51	34.9	27.9	41.9
120	19.1	15.3	22.9

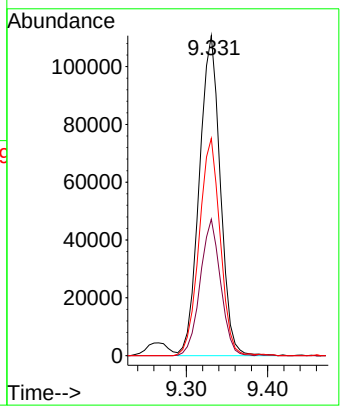




#23
Nitrobenzene-d5
Concen: 81.909 ng
RT: 9.331 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 82 Resp: 19831

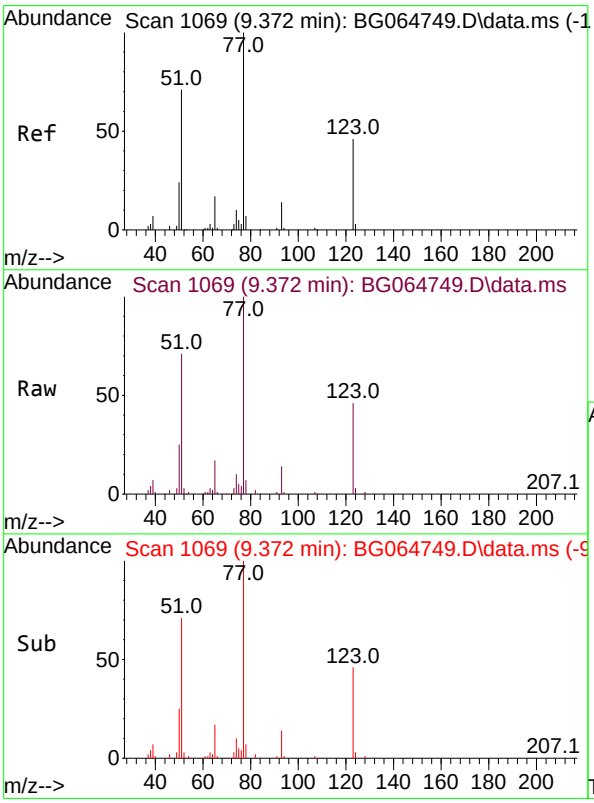
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	67.9	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

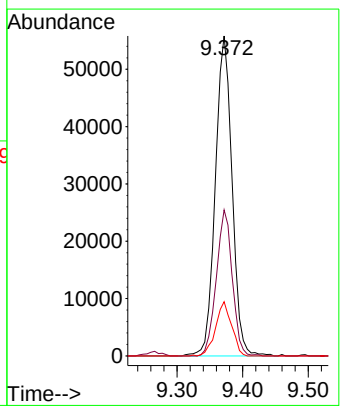
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

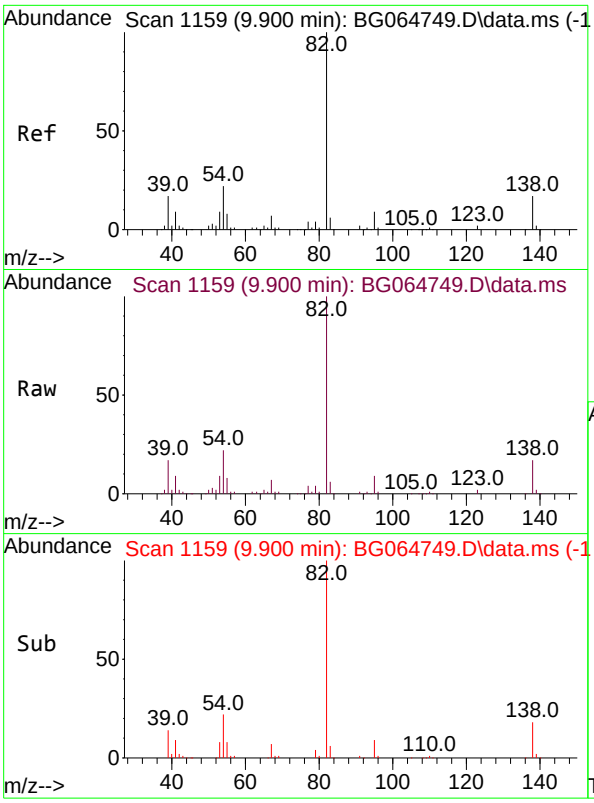


#24
Nitrobenzene
Concen: 40.566 ng
RT: 9.372 min Scan# 1069
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 99239

Ion	Ratio	Lower	Upper
77	100		
123	45.6	36.5	54.7
65	16.9	13.5	20.3

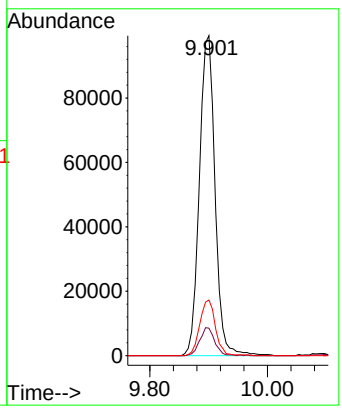




#25
Isophorone
Concen: 39.810 ng
RT: 9.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 82 Resp: 183548

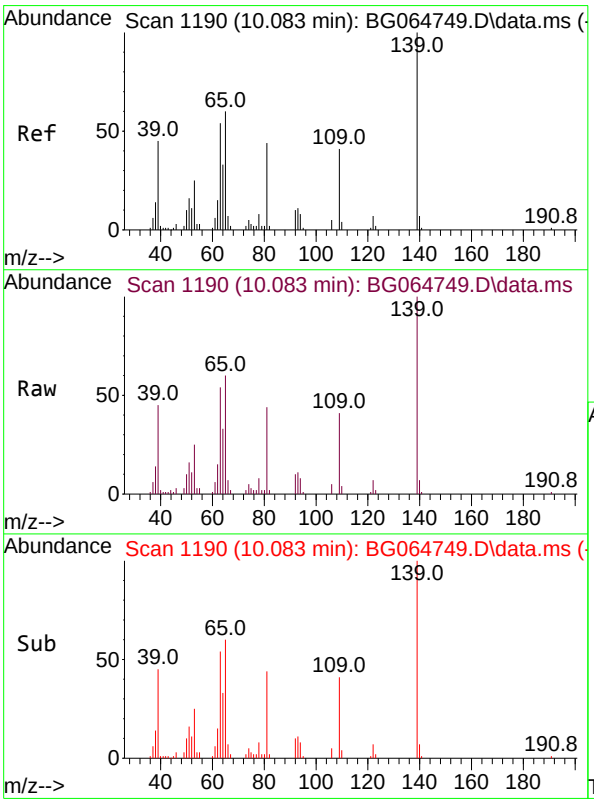
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	17.4	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

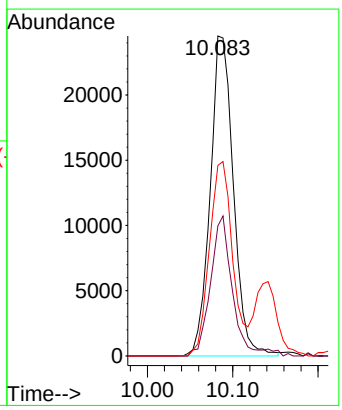
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

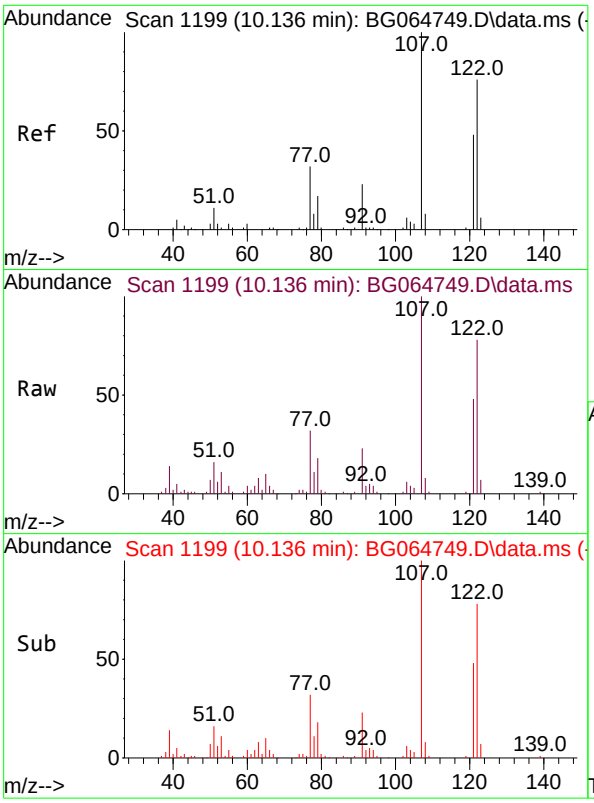


#26
2-Nitrophenol
Concen: 42.042 ng
RT: 10.083 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:139 Resp: 46262

Ion	Ratio	Lower	Upper
139	100		
109	40.6	32.5	48.7
65	59.5	47.6	71.4

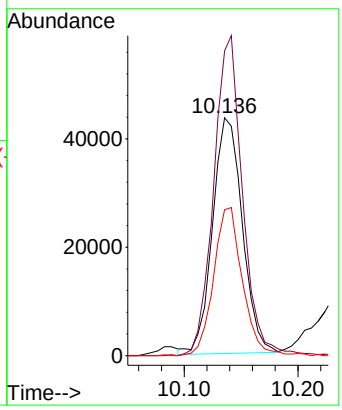




#27
2,4-Dimethylphenol
Concen: 40.554 ng
RT: 10.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:122 Resp: 7927

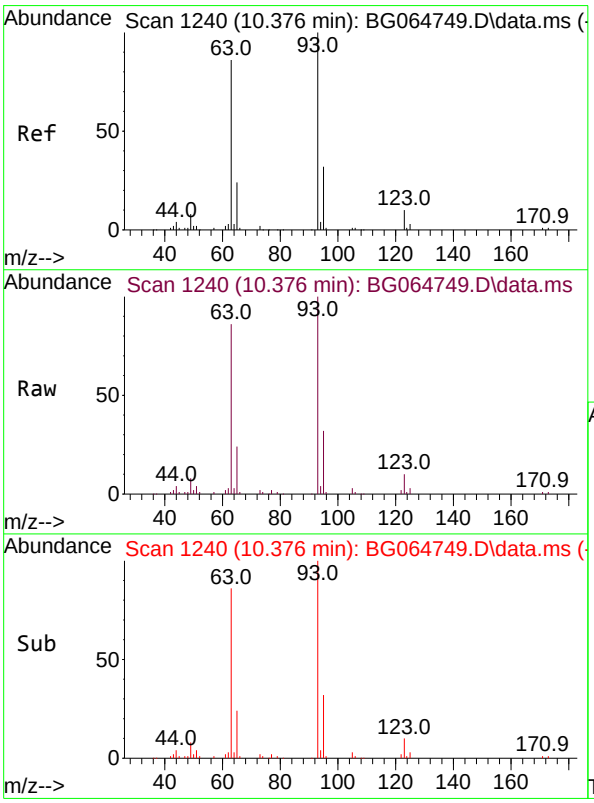
Ion	Ratio	Lower	Upper
122	100		
107	128.1	102.5	153.7
121	61.3	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

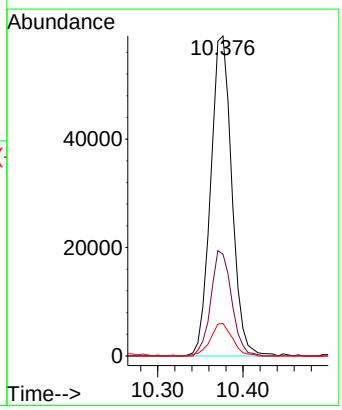
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

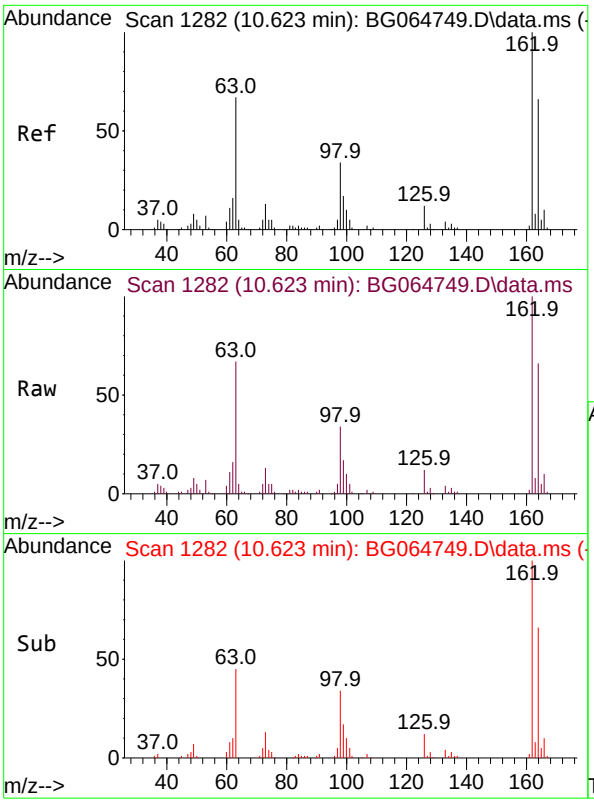


#28
bis(2-Chloroethoxy)methane
Concen: 40.152 ng
RT: 10.376 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 101634

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.1	8.1	12.1

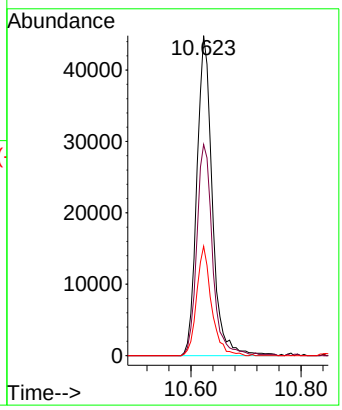




#29
2,4-Dichlorophenol
Concen: 41.549 ng
RT: 10.623 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:162 Resp: 8720

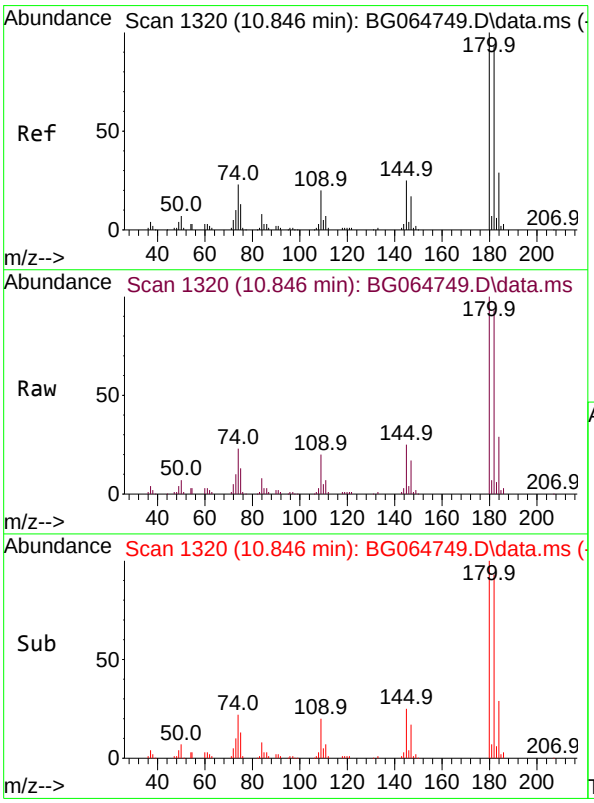
Ion	Ratio	Lower	Upper
162	100		
164	66.0	46.0	86.0
98	34.2	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

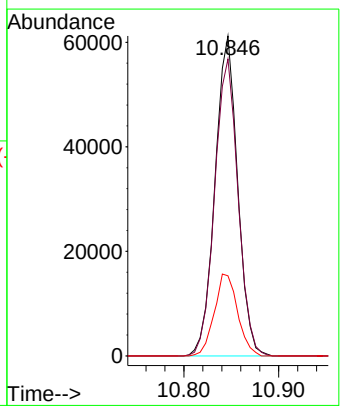
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

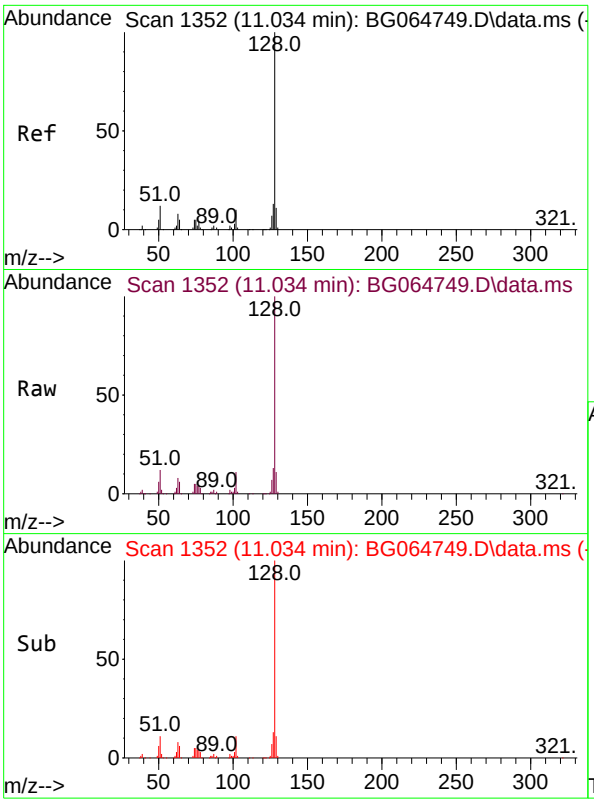


#30
1,2,4-Trichlorobenzene
Concen: 40.080 ng
RT: 10.846 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:180 Resp: 101577

Ion	Ratio	Lower	Upper
180	100		
182	92.8	74.2	111.4
145	25.0	20.0	30.0

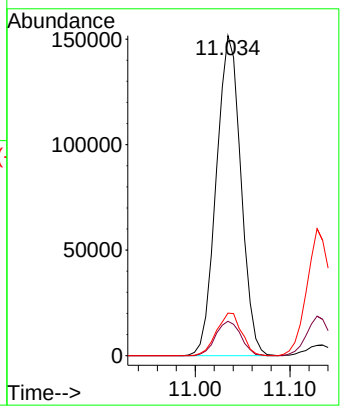




#31
Naphthalene
Concen: 40.266 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:128 Resp: 27324

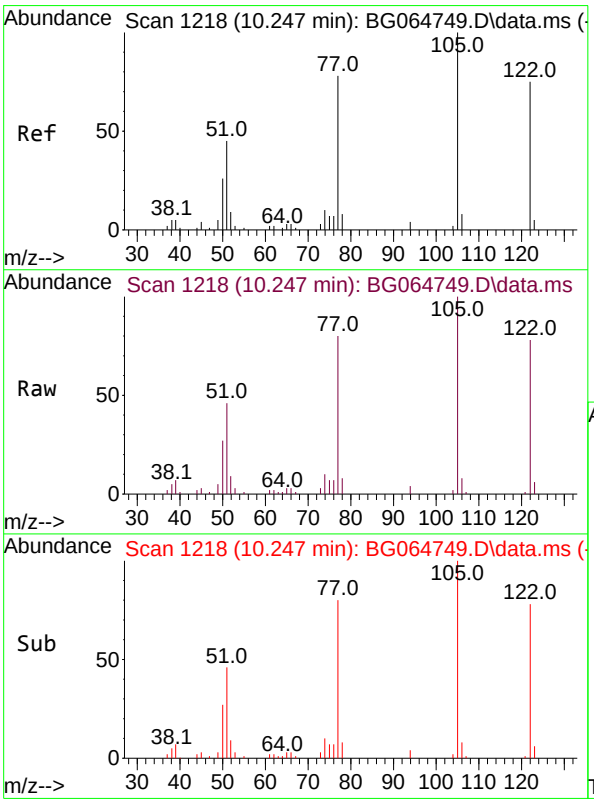
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

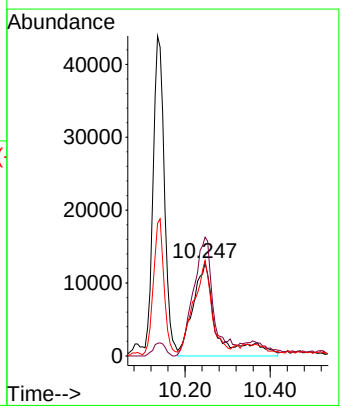
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

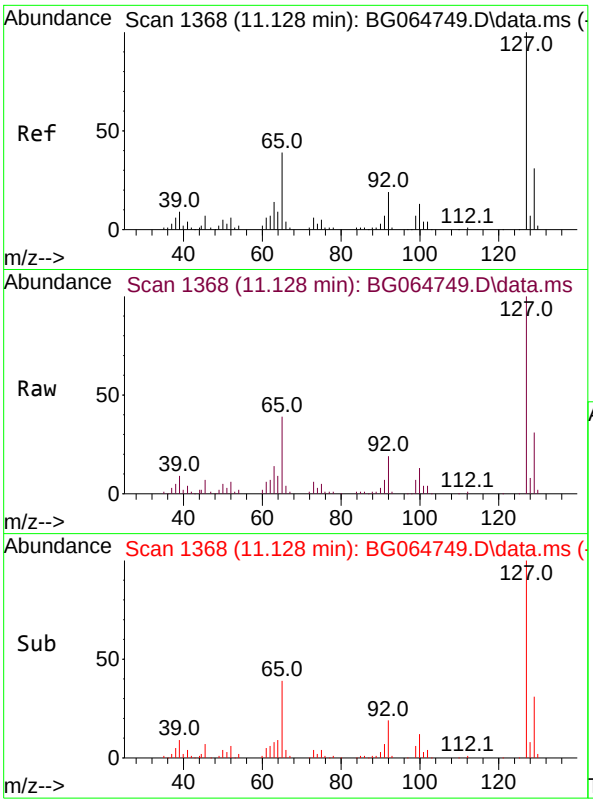


#32
Benzoic acid
Concen: 36.872 ng m
RT: 10.247 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:122 Resp: 48881

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.6	147.6
77	102.5	82.5	122.5

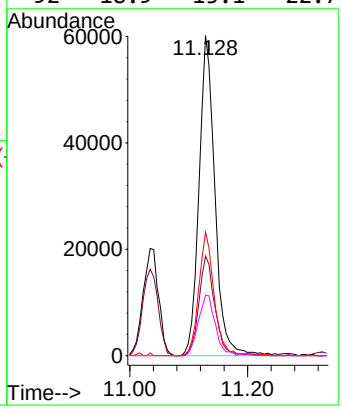




#33
4-Chloroaniline
Concen: 41.584 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:127 Resp: 11288

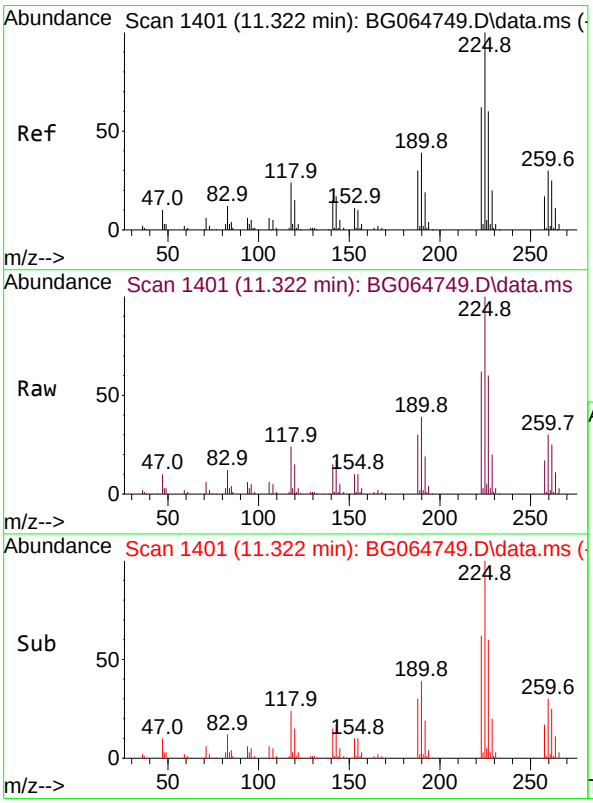
Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	38.6	30.9	46.3
92	18.9	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

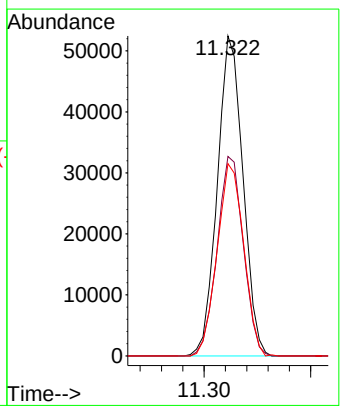
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

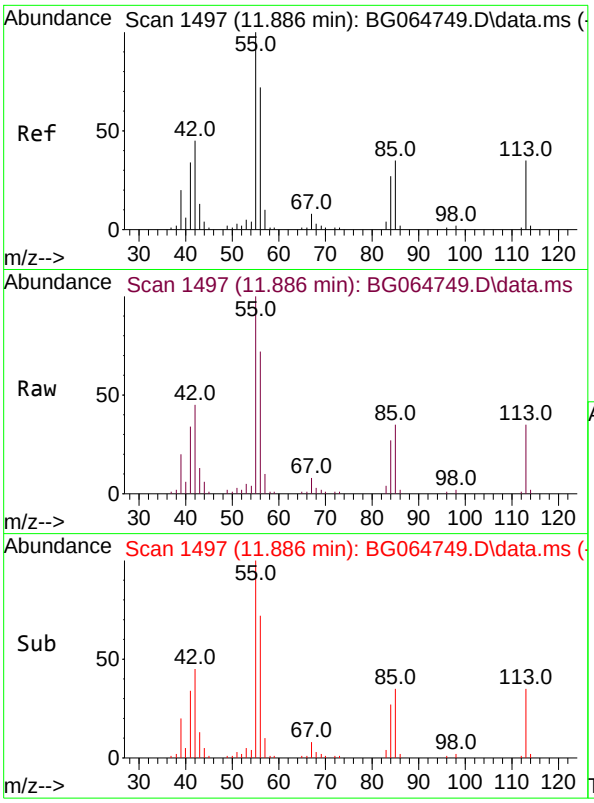


#34
Hexachlorobutadiene
Concen: 40.337 ng
RT: 11.322 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:225 Resp: 87713

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	63.2	50.6	75.8





#35
Caprolactam
Concen: 39.361 ng
RT: 11.886 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

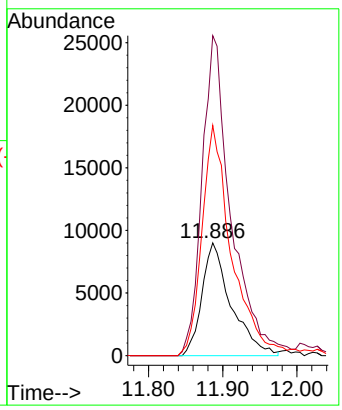
Tgt Ion:113 Resp: 2468

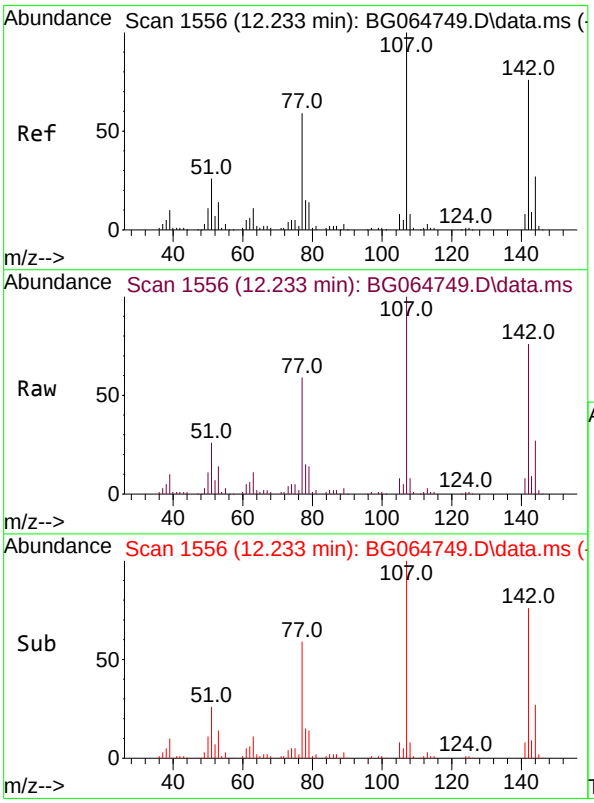
Ion	Ratio	Lower	Upper
113	100		
55	283.7	263.7	303.7
56	204.0	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

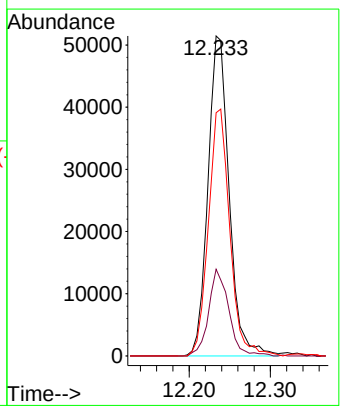


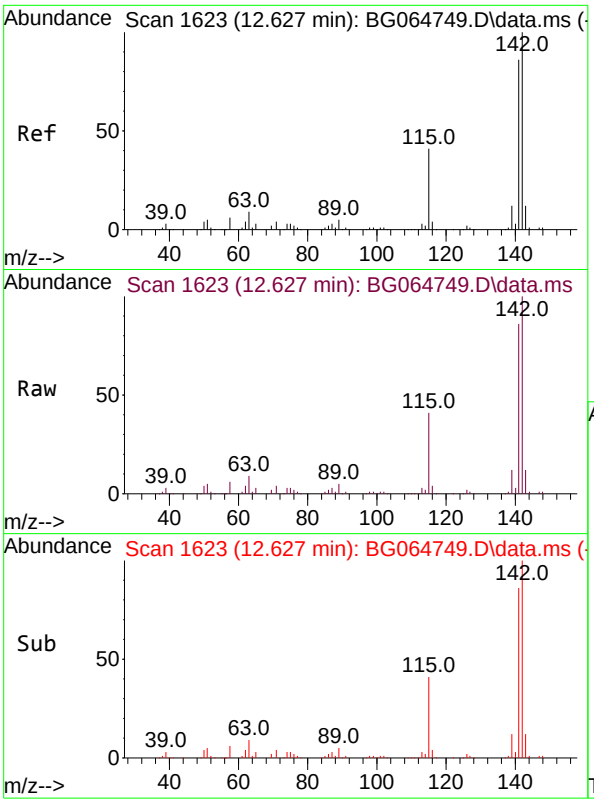


#36
4-Chloro-3-methylphenol
Concen: 39.942 ng
RT: 12.233 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 93305

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.7	32.5
142	76.0	60.8	91.2

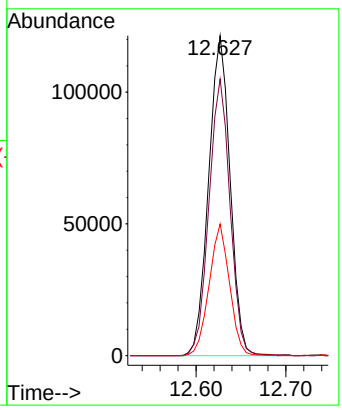




#37
2-Methylnaphthalene
Concen: 39.800 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:142 Resp: 20211

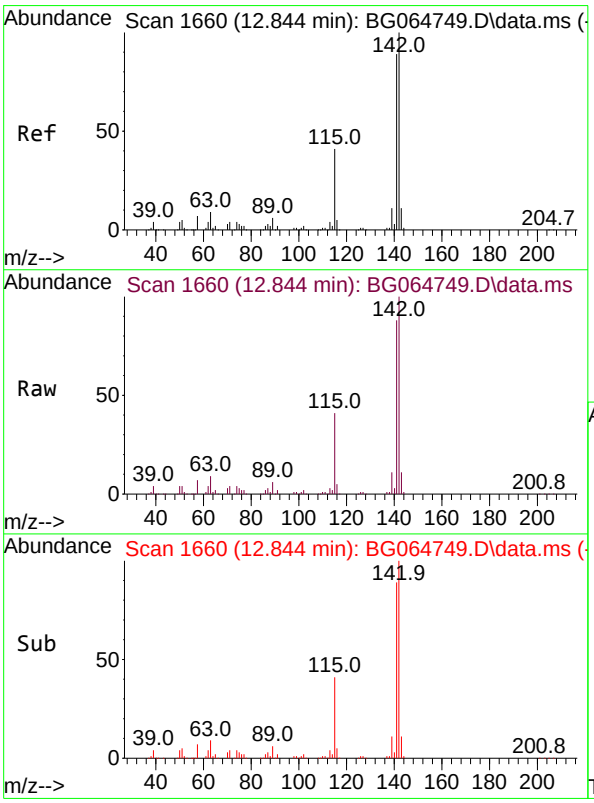
Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.1	103.7
115	41.1	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

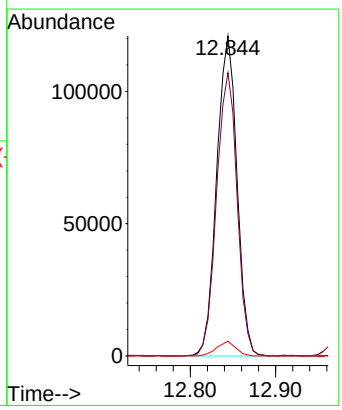
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

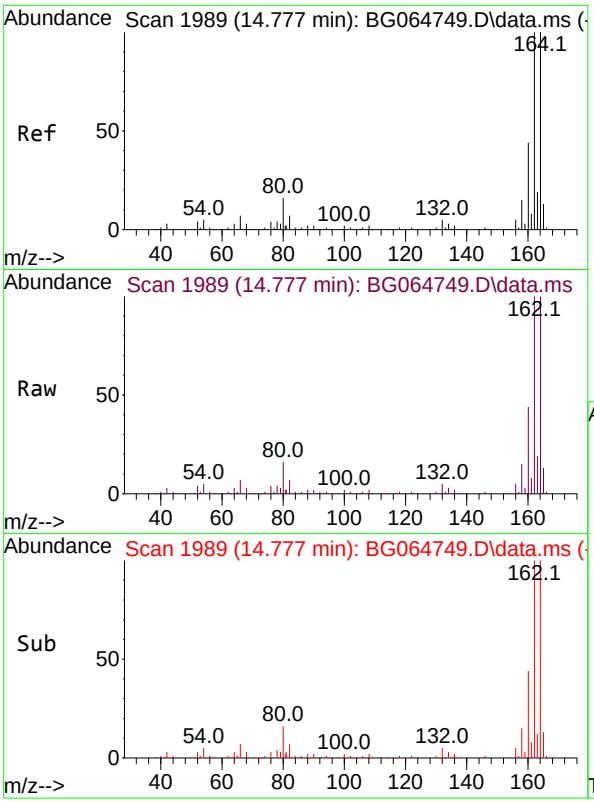


#38
1-Methylnaphthalene
Concen: 39.585 ng
RT: 12.844 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:142 Resp: 199683

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
116	4.6	3.7	5.5

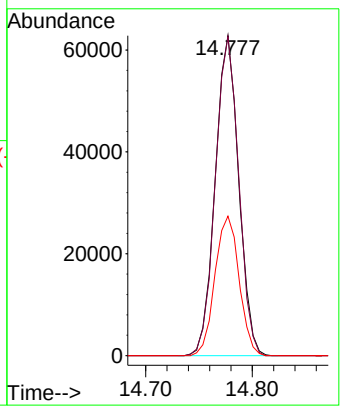




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:164 Resp: 9617

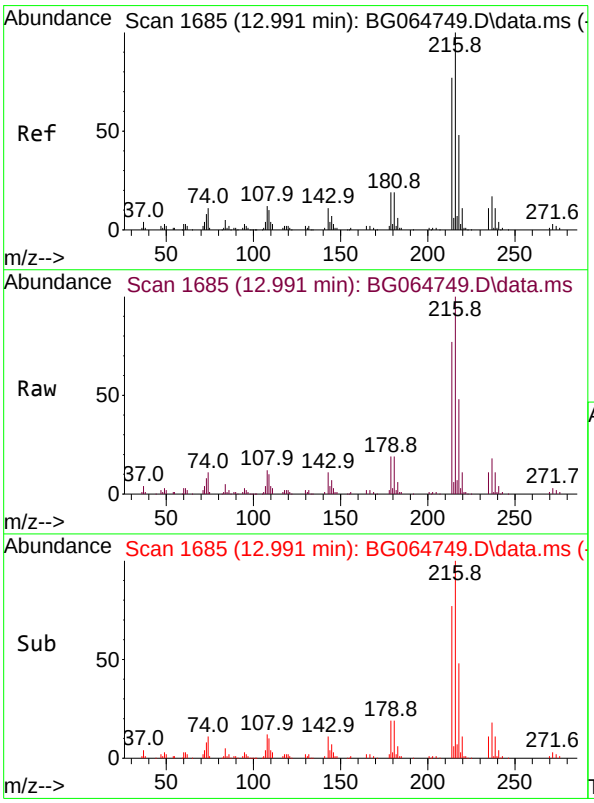
Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.6
160	43.6	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

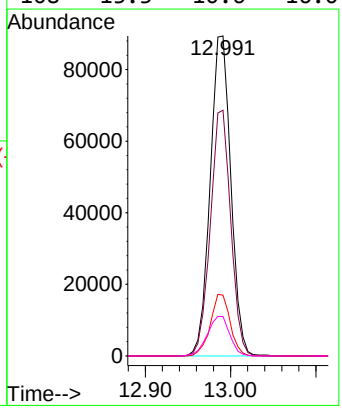
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

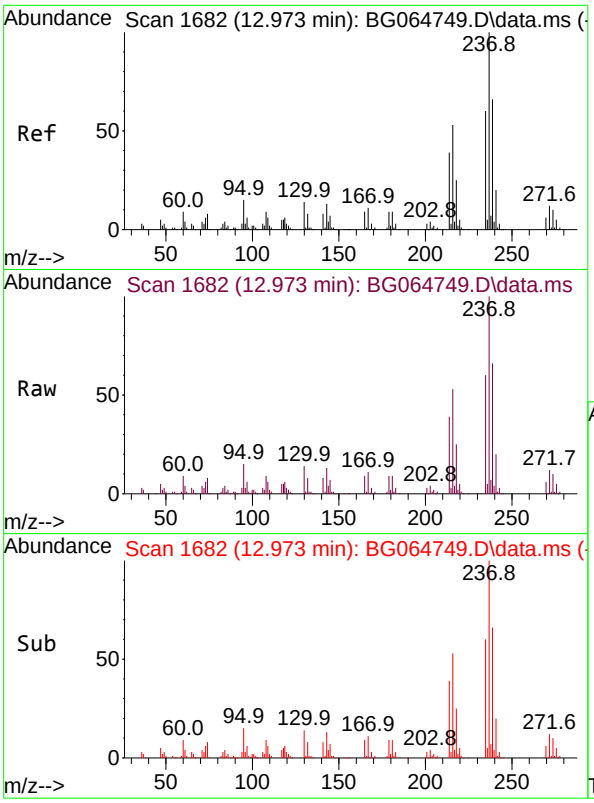


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.165 ng
RT: 12.991 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:216 Resp: 150333

Ion	Ratio	Lower	Upper
216	100		
214	75.6	60.5	90.7
179	18.4	14.7	22.1
108	13.3	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 40.179 ng
RT: 12.973 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

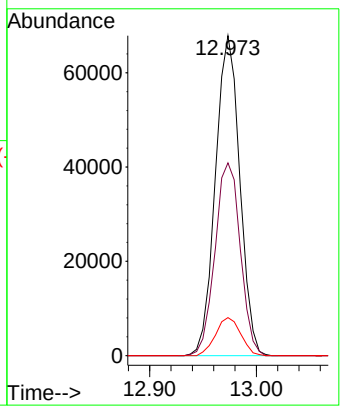
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

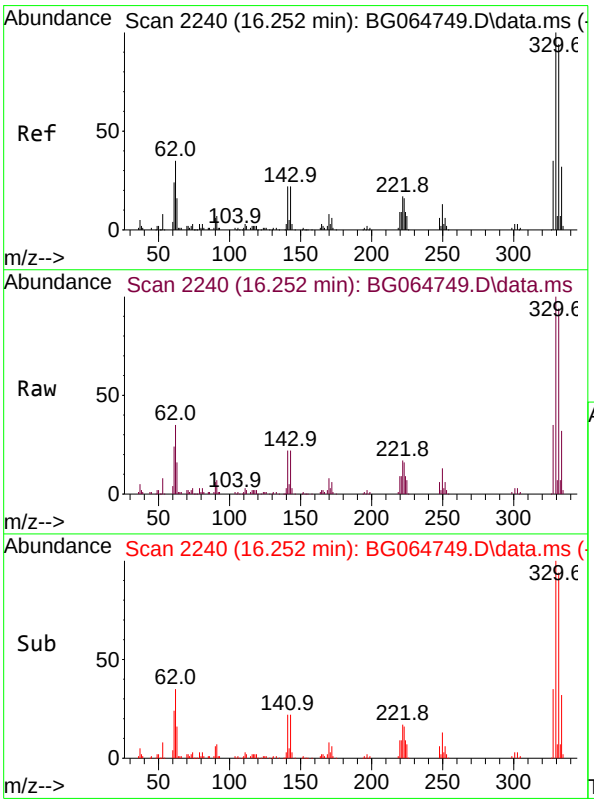
Tgt Ion:237 Resp: 10779

Ion	Ratio	Lower	Upper
237	100		
235	60.2	40.2	80.2
272	11.9	0.0	31.9

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

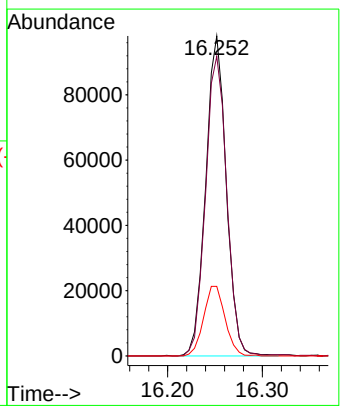


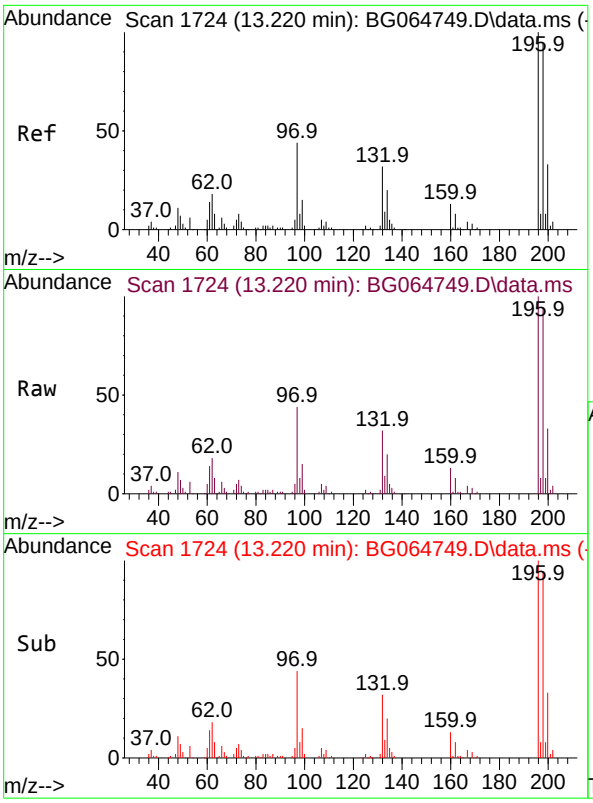


#42
2,4,6-Tribromophenol
Concen: 79.094 ng
RT: 16.252 min Scan# 2240
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:330 Resp: 148361

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	22.7	18.2	27.2

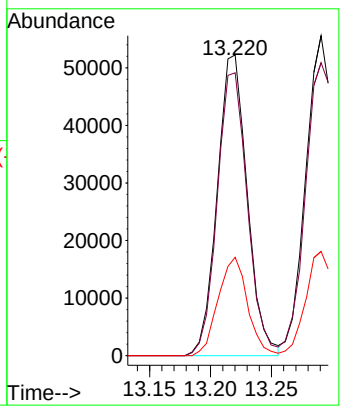




#43
2,4,6-Trichlorophenol
Concen: 40.752 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:196 Resp: 8952

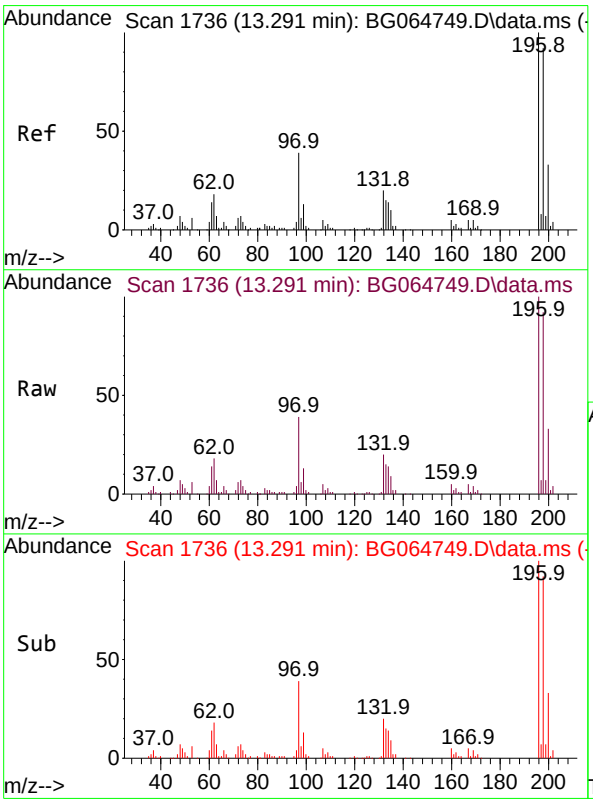
Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
200	32.7	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

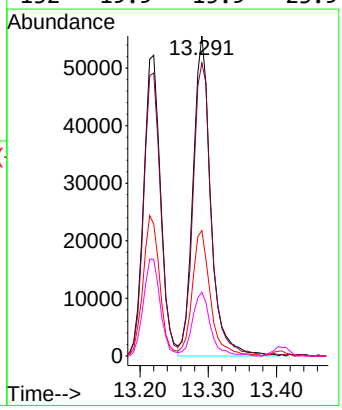
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

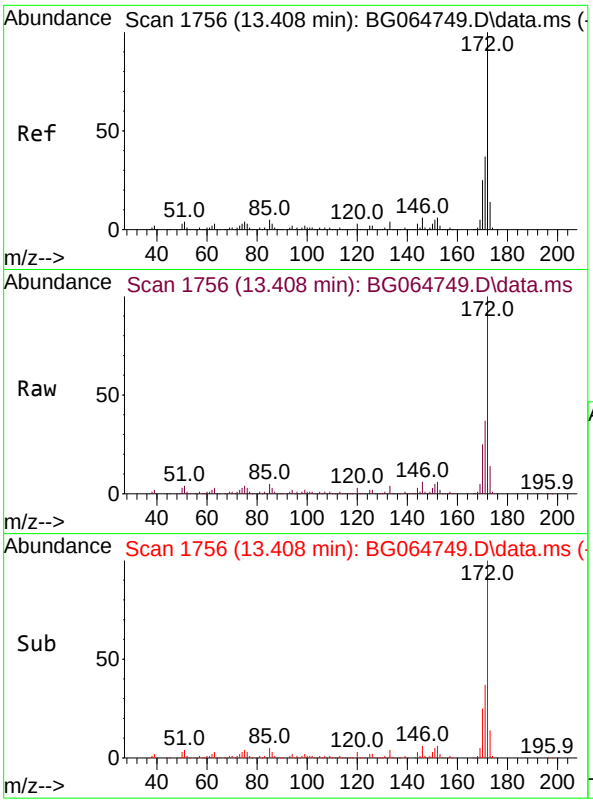


#44
2,4,5-Trichlorophenol
Concen: 40.636 ng
RT: 13.291 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:196 Resp: 100121

Ion	Ratio	Lower	Upper
196	100		
198	91.5	73.2	109.8
97	39.2	31.4	47.0
132	19.9	15.9	23.9

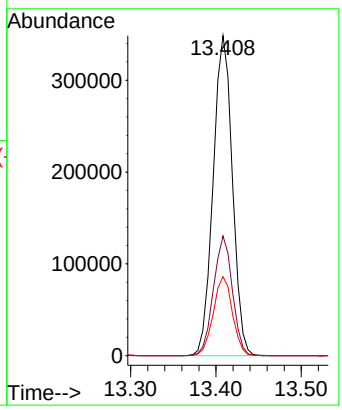




#45
2-Fluorobiphenyl
Concen: 79.252 ng
RT: 13.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:172 Resp: 54626

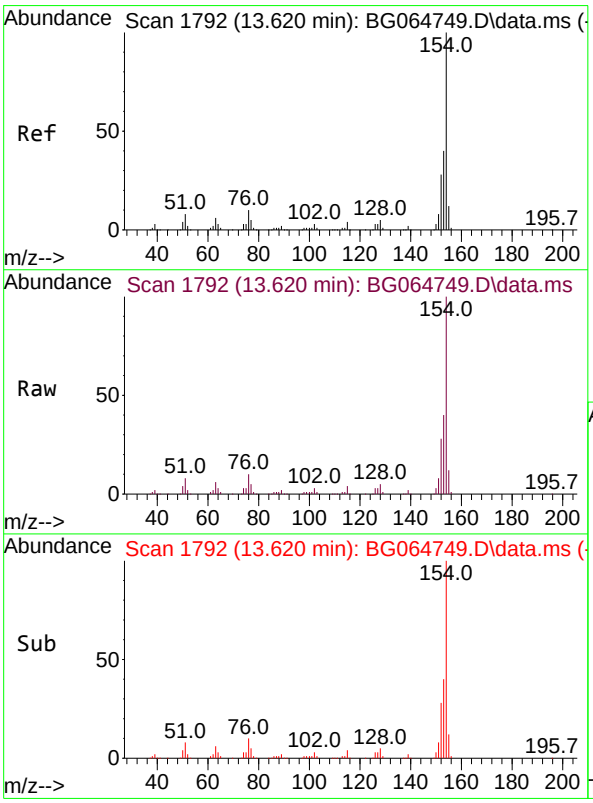
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

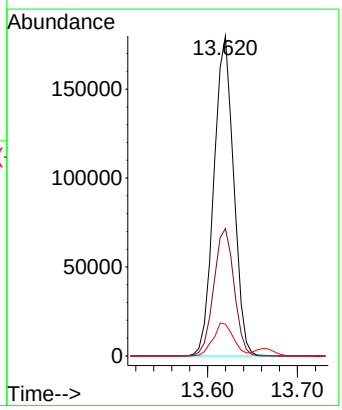
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

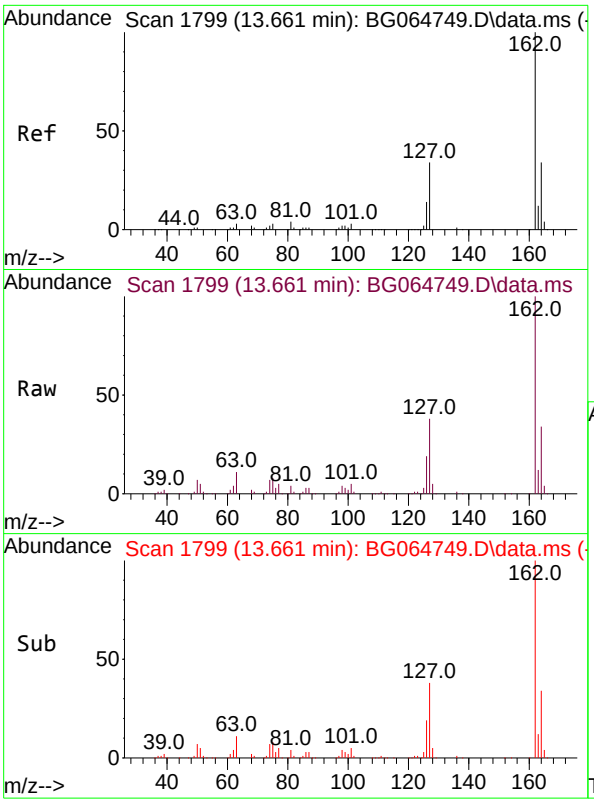


#46
1,1'-Biphenyl
Concen: 39.776 ng
RT: 13.620 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:154 Resp: 274766

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.8	59.8
76	10.0	0.0	30.0

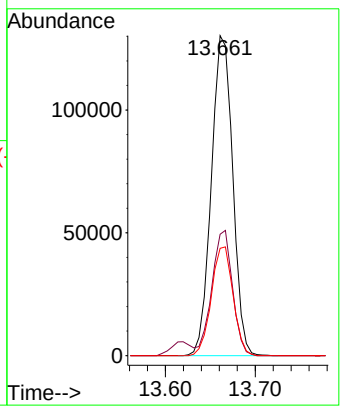




#47
2-Chloronaphthalene
Concen: 39.573 ng
RT: 13.661 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:162 Resp: 21536

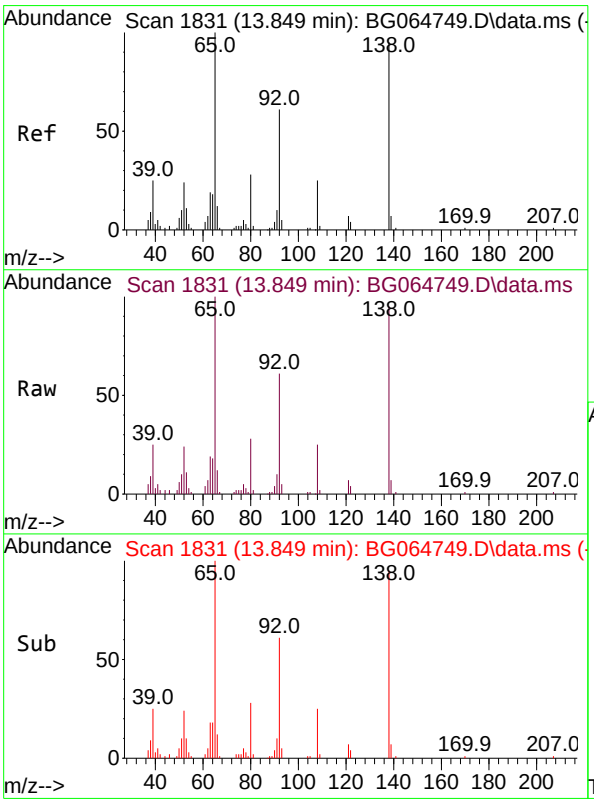
Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.3	45.5
164	33.5	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

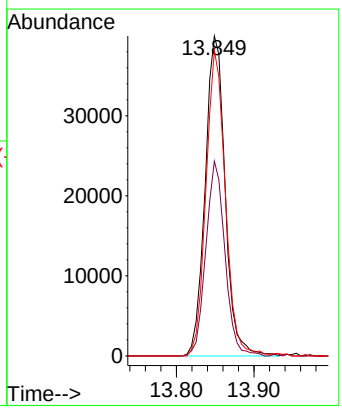
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

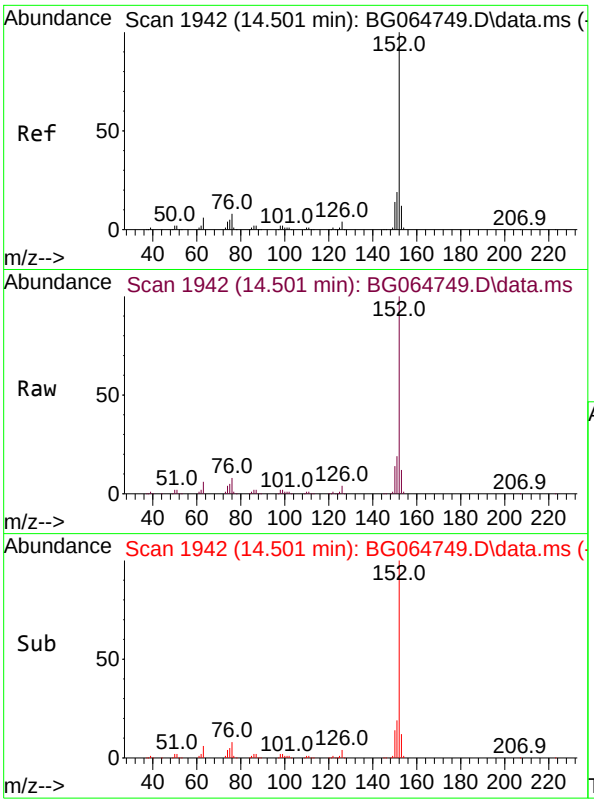


#48
2-Nitroaniline
Concen: 40.816 ng
RT: 13.849 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 65 Resp: 71445

Ion	Ratio	Lower	Upper
65	100		
92	60.8	48.6	73.0
138	95.5	76.4	114.6





#49
Acenaphthylene
Concen: 39.925 ng
RT: 14.501 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

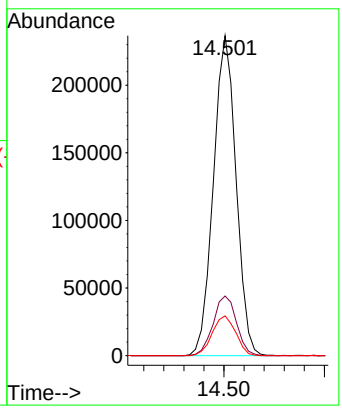
Tgt Ion:152 Resp: 37119

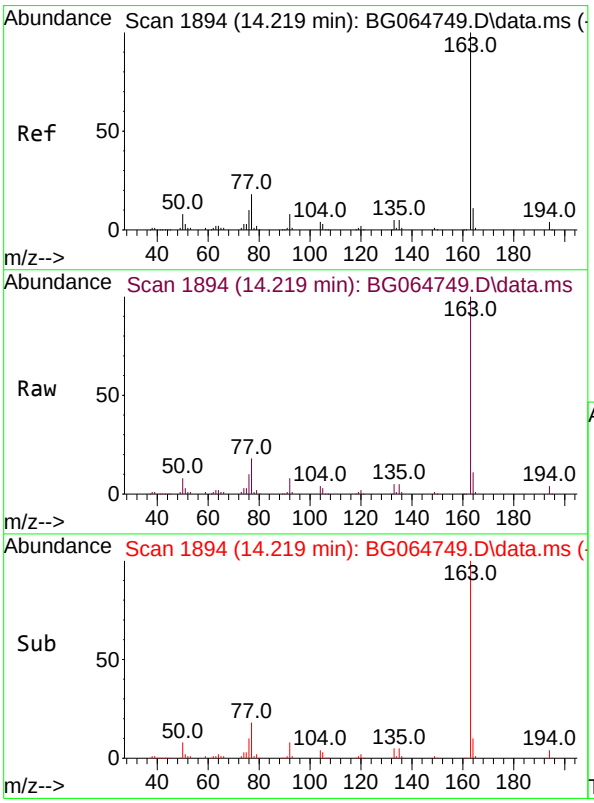
Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.0	22.4
153	12.4	9.9	14.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

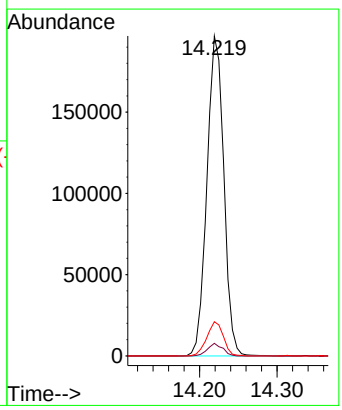


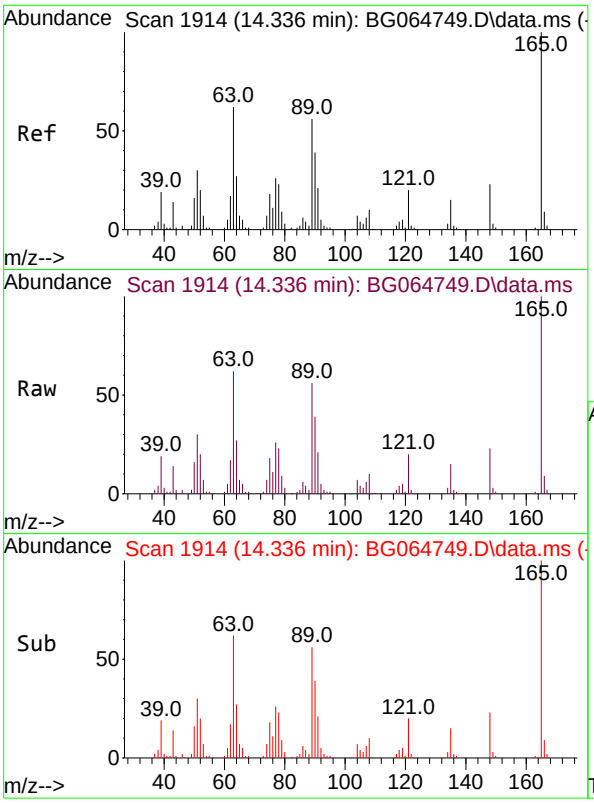


#50
Dimethylphthalate
Concen: 39.215 ng
RT: 14.219 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:163 Resp: 297932

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.7	8.6	12.8

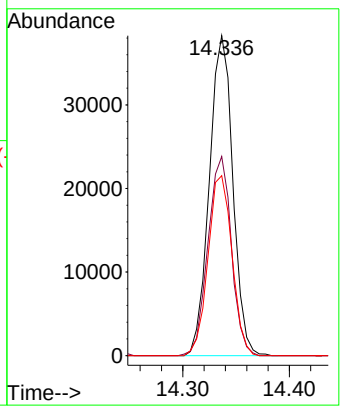




#51
2,6-Dinitrotoluene
Concen: 40.189 ng
RT: 14.336 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:165 Resp: 5875

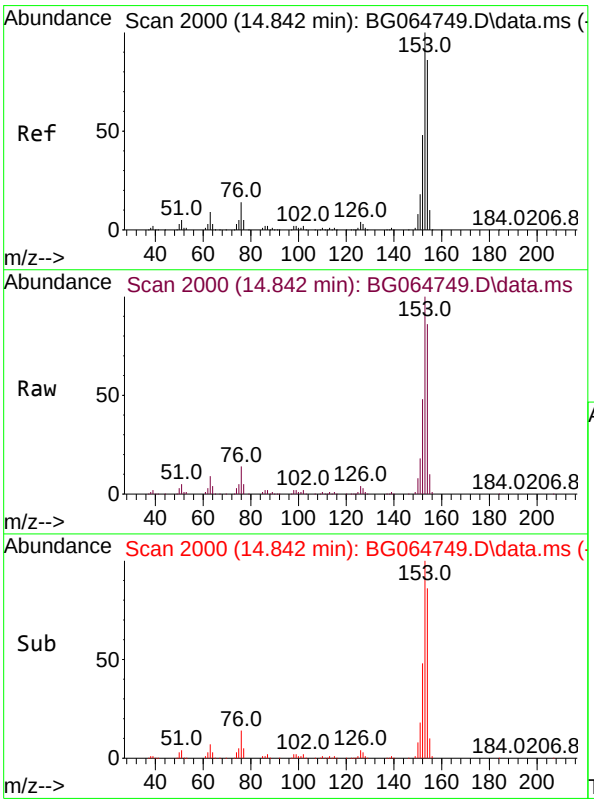
Ion	Ratio	Lower	Upper
165	100		
63	62.3	49.8	74.8
89	56.2	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

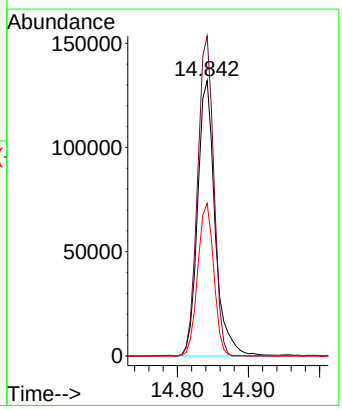
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

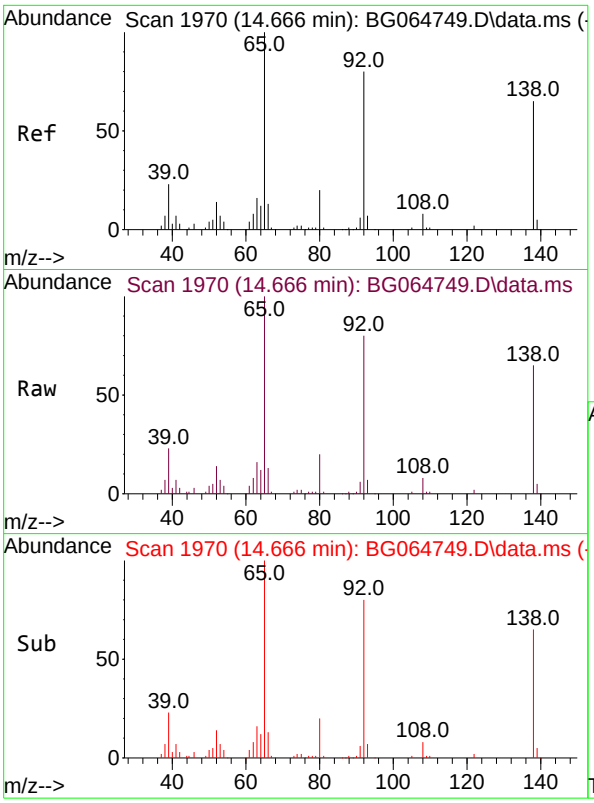


#52
Acenaphthene
Concen: 40.220 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:154 Resp: 224207

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.0	139.4
152	55.5	44.4	66.6

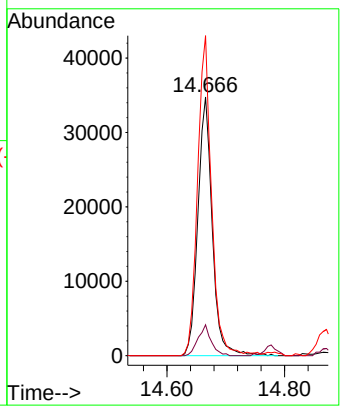




#53
3-Nitroaniline
Concen: 40.792 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:138 Resp: 5885

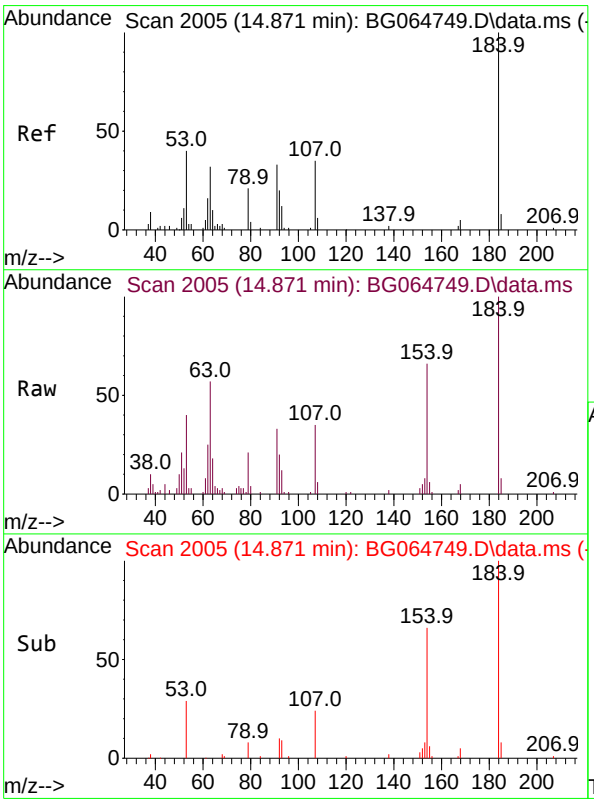
Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.5	14.3
92	123.7	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

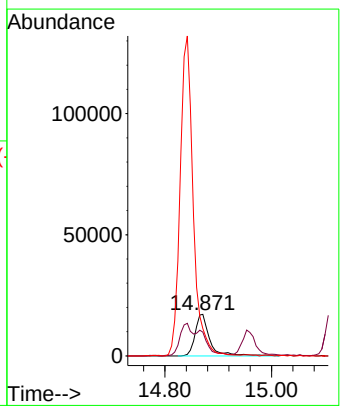
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

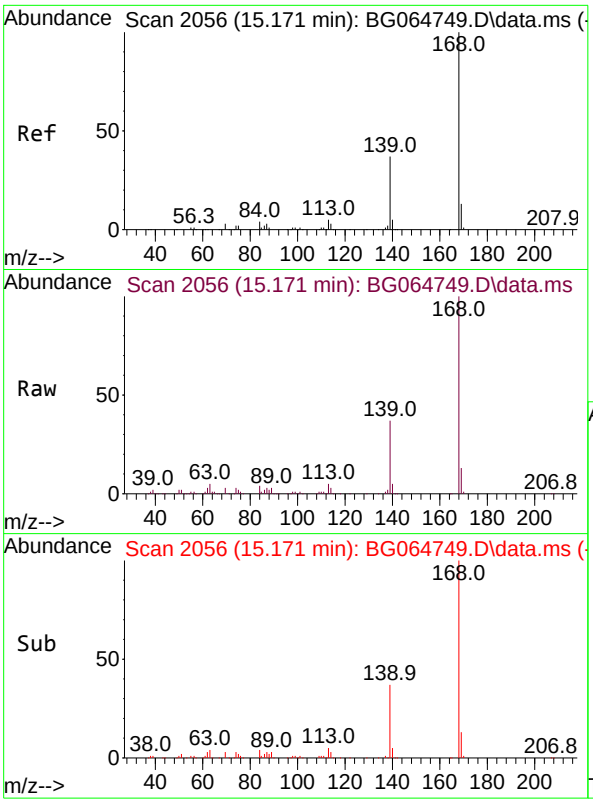


#54
2,4-Dinitrophenol
Concen: 37.583 ng
RT: 14.871 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:184 Resp: 32531

Ion	Ratio	Lower	Upper
184	100		
63	57.2	45.8	68.6
154	65.7	52.6	78.8

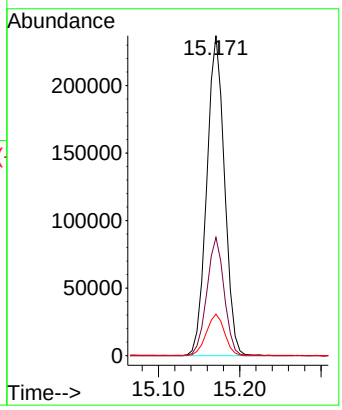




#55
Dibenzofuran
Concen: 38.973 ng
RT: 15.171 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:168 Resp: 35917

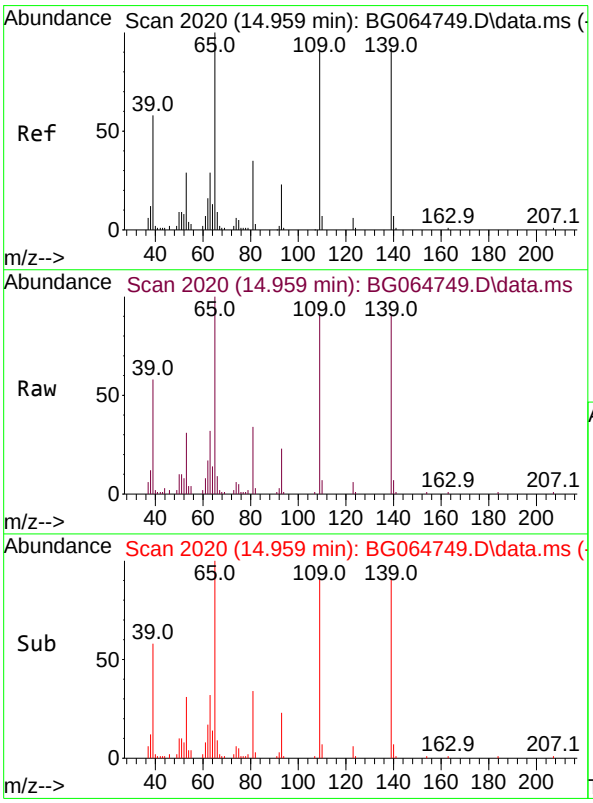
Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.0	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

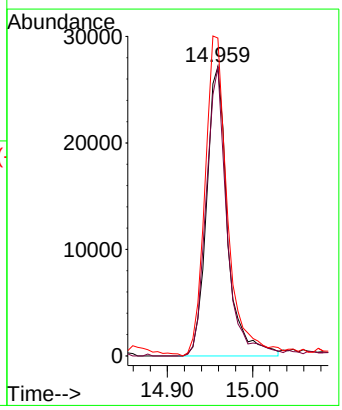
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

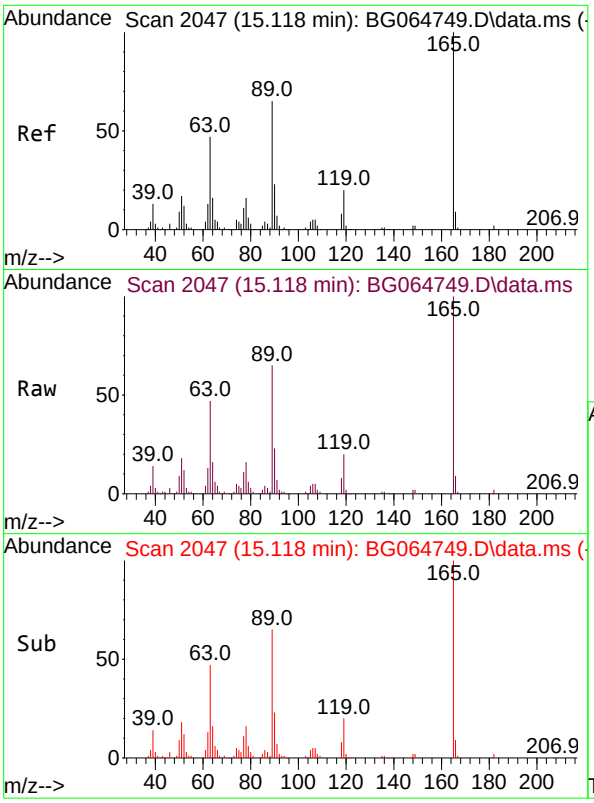


#56
4-Nitrophenol
Concen: 40.555 ng
RT: 14.959 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:139 Resp: 46427

Ion	Ratio	Lower	Upper
139	100		
109	99.7	79.7	119.7
65	109.9	89.9	129.9

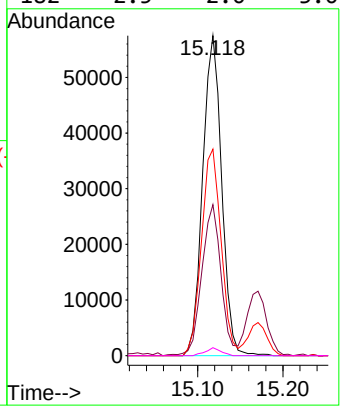




#57
2,4-Dinitrotoluene
Concen: 40.589 ng
RT: 15.118 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:165 Resp: 8895

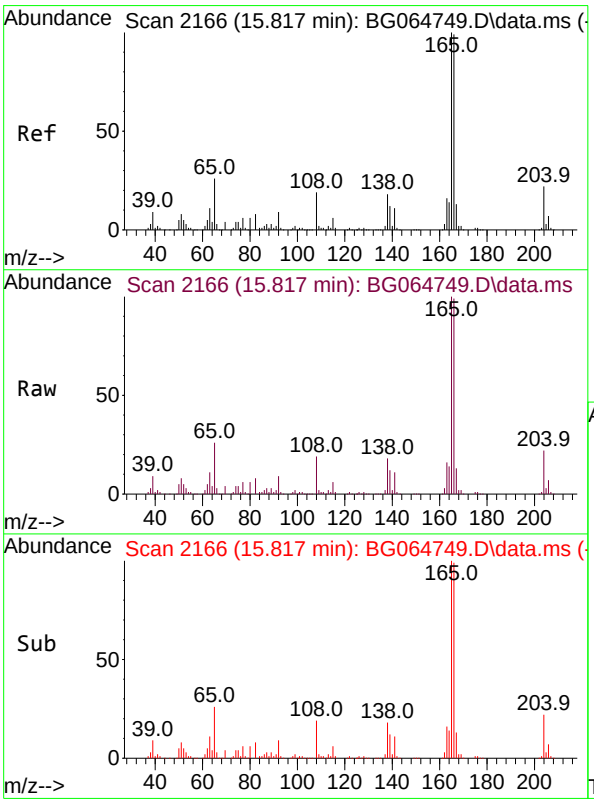
Ion	Ratio	Lower	Upper
165	100		
63	47.2	37.8	56.6
89	64.5	51.6	77.4
182	2.5	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

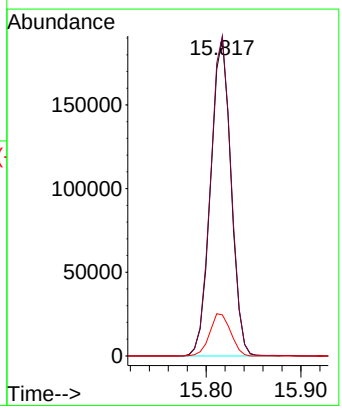
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

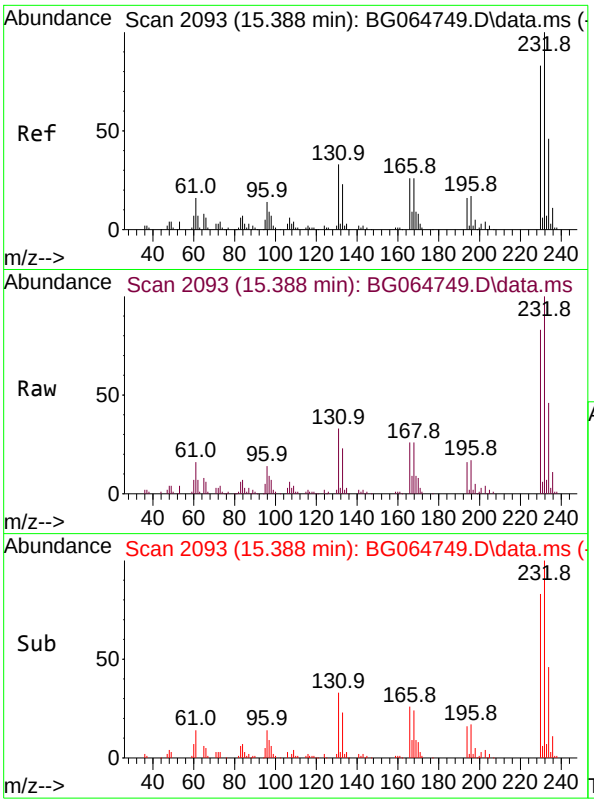


#58
Fluorene
Concen: 39.136 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:166 Resp: 282884

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.5	120.7
167	12.9	10.3	15.5

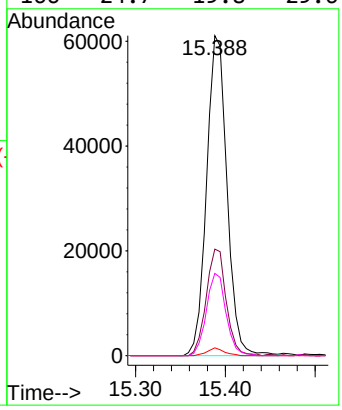




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.675 ng
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:232 Resp: 9644

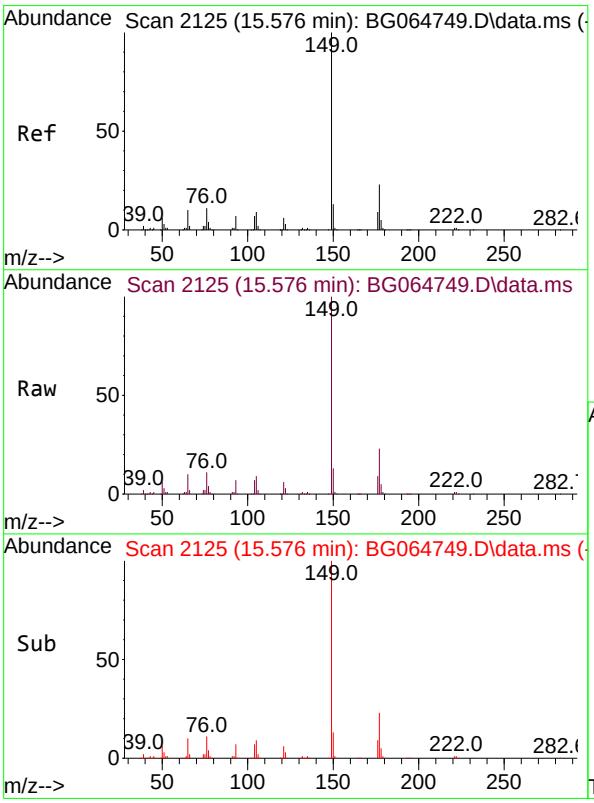
Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.0	39.0
130	2.0	1.6	2.4
166	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

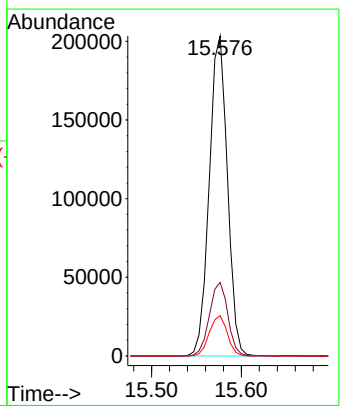
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

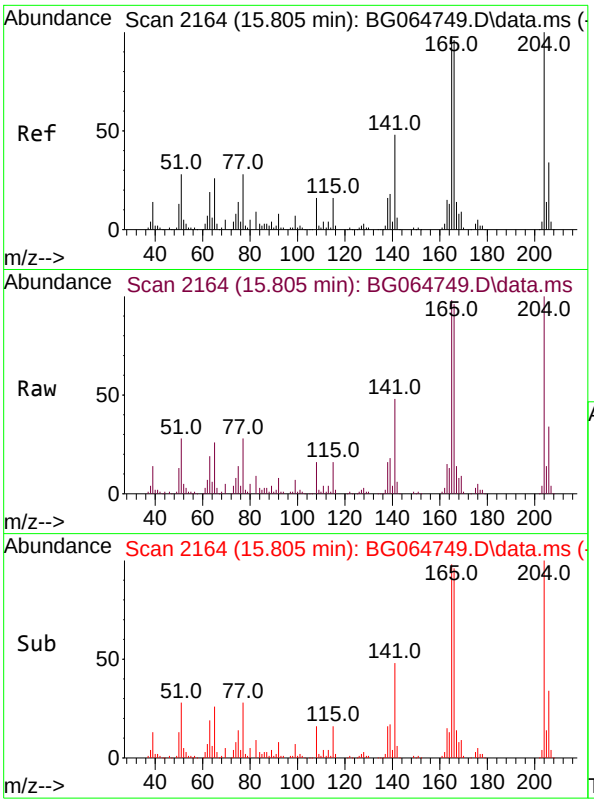


#60
Diethylphthalate
Concen: 39.444 ng
RT: 15.576 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 287069

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.4	27.6
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.017 ng
RT: 15.805 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

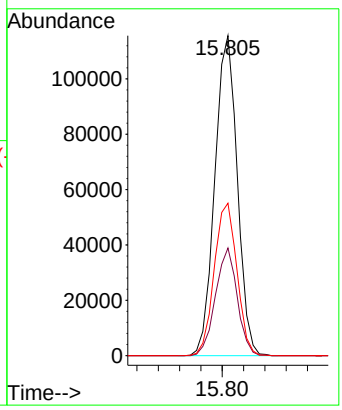
Tgt Ion:204 Resp: 16925

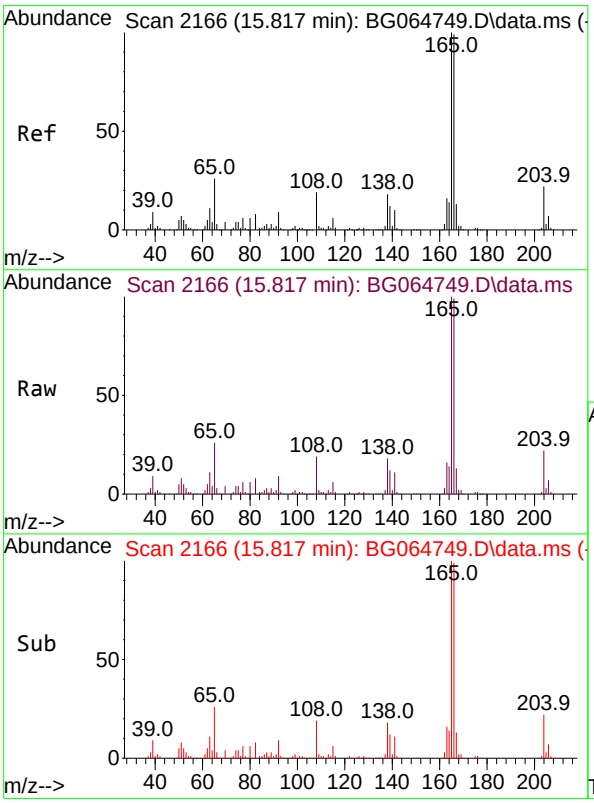
Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.9	40.3
141	47.6	38.1	57.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

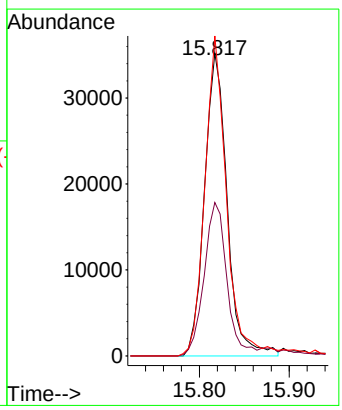


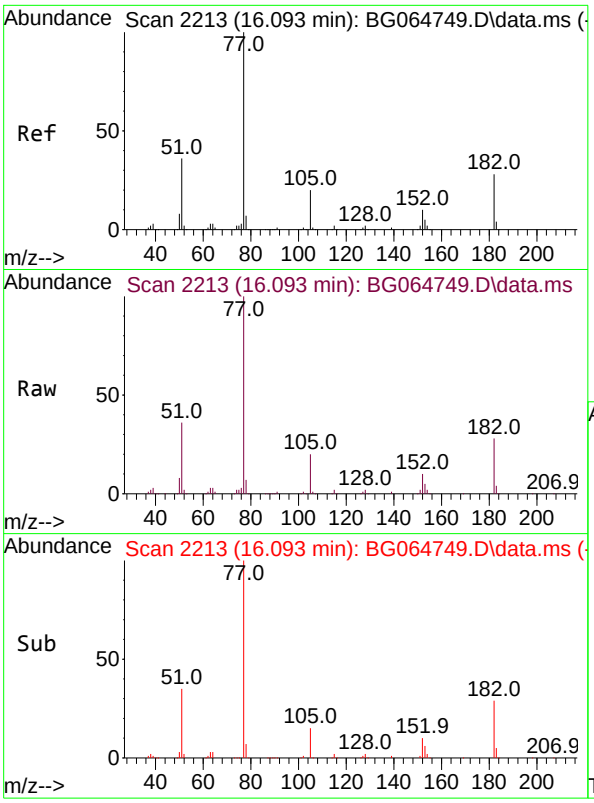


#62
4-Nitroaniline
Concen: 41.175 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:138 Resp: 61547

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.7	70.7
108	105.7	85.7	125.7

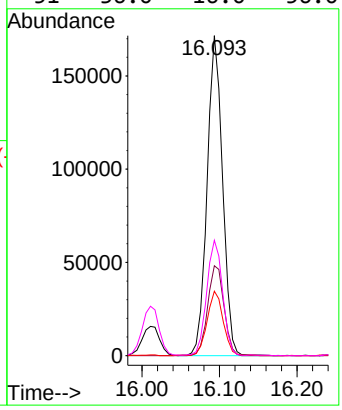




#63
Azobenzene
Concen: 39.248 ng
RT: 16.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 23758

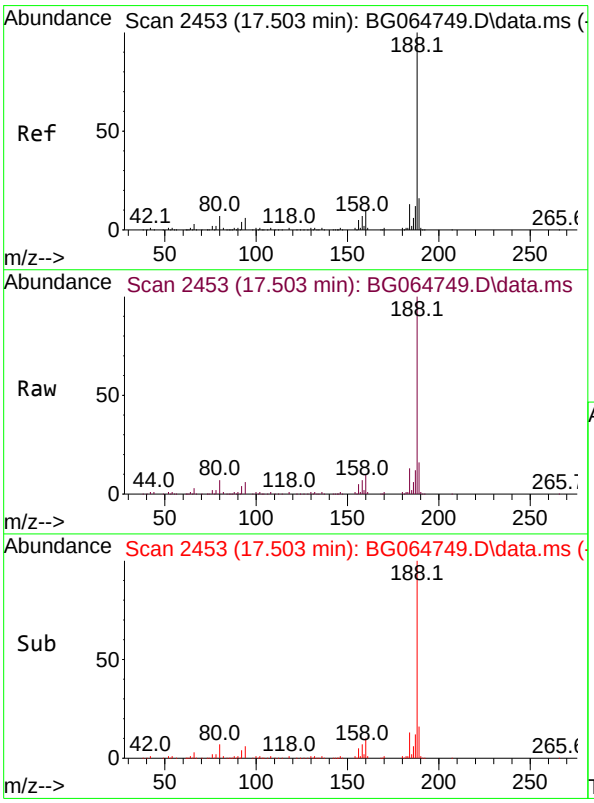
Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.1	48.1
105	20.1	0.1	40.1
51	36.0	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

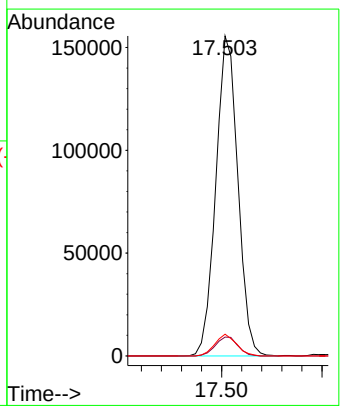
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

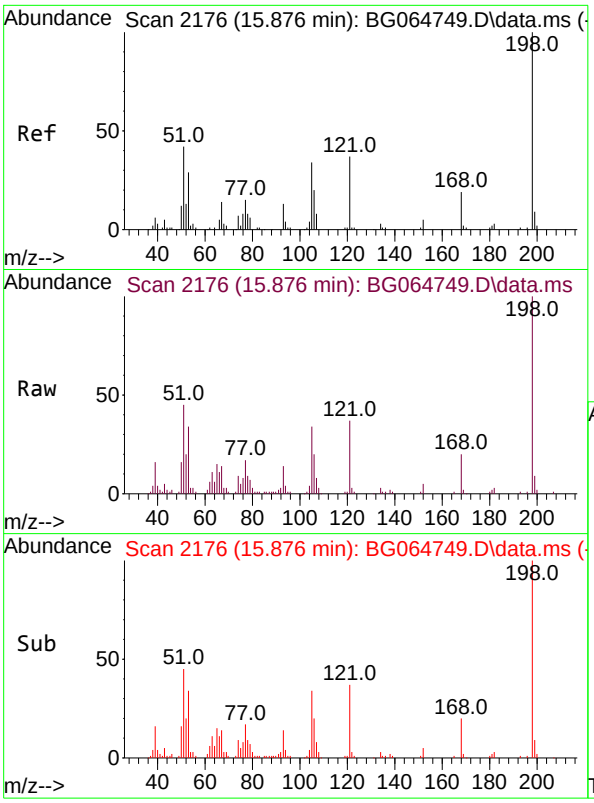


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 2453
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:188 Resp: 237407

Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.7	7.1
80	6.8	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 42.097 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

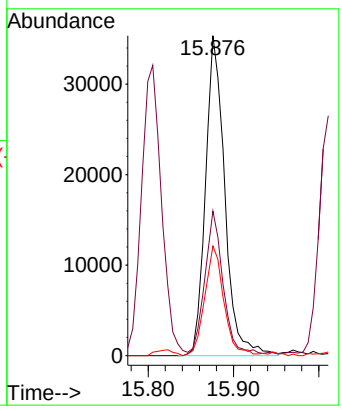
Tgt Ion:198 Resp: 5548

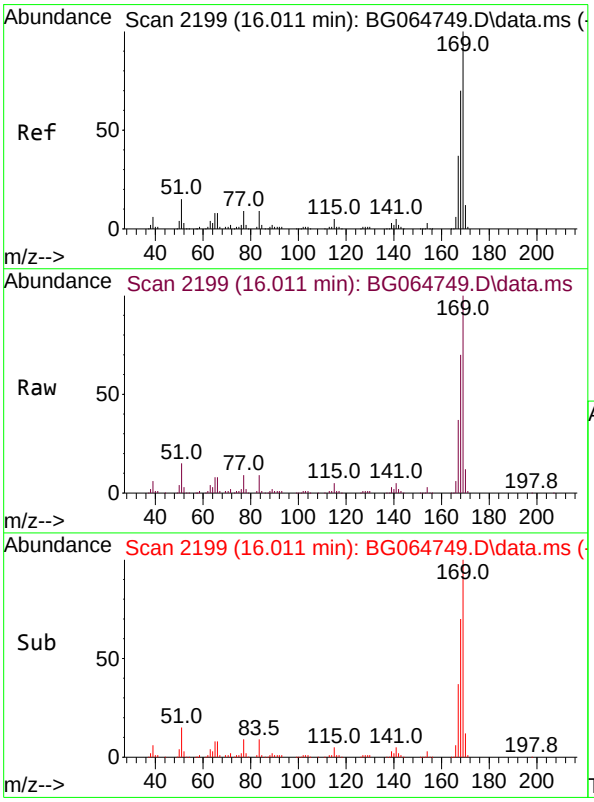
Ion	Ratio	Lower	Upper
198	100		
51	45.2	25.2	65.2
105	34.2	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

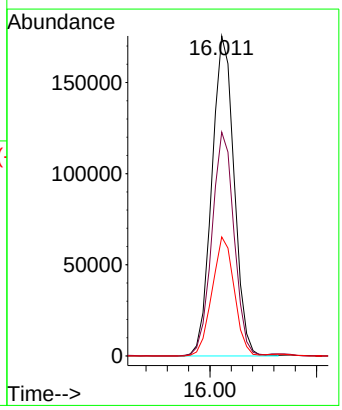


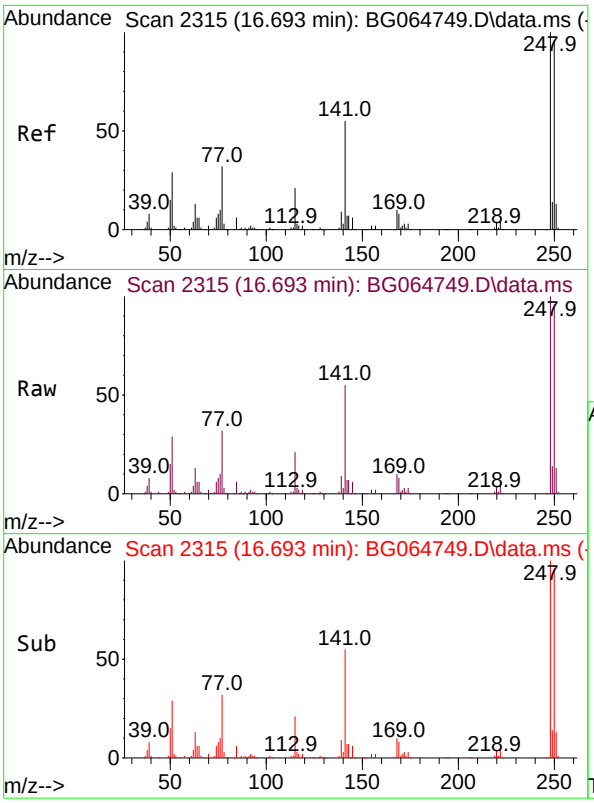


#66
n-Nitrosodiphenylamine
Concen: 41.111 ng
RT: 16.011 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:169 Resp: 255647

Ion	Ratio	Lower	Upper
169	100		
168	69.9	55.9	83.9
167	37.2	29.8	44.6

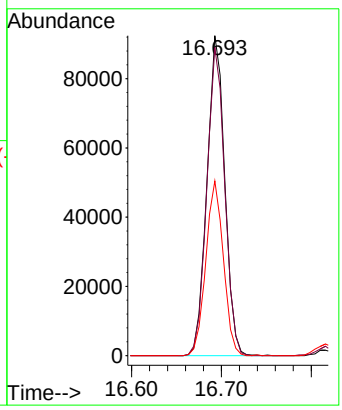




#67
4-Bromophenyl-phenylether
Concen: 41.030 ng
RT: 16.693 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:248 Resp: 12791

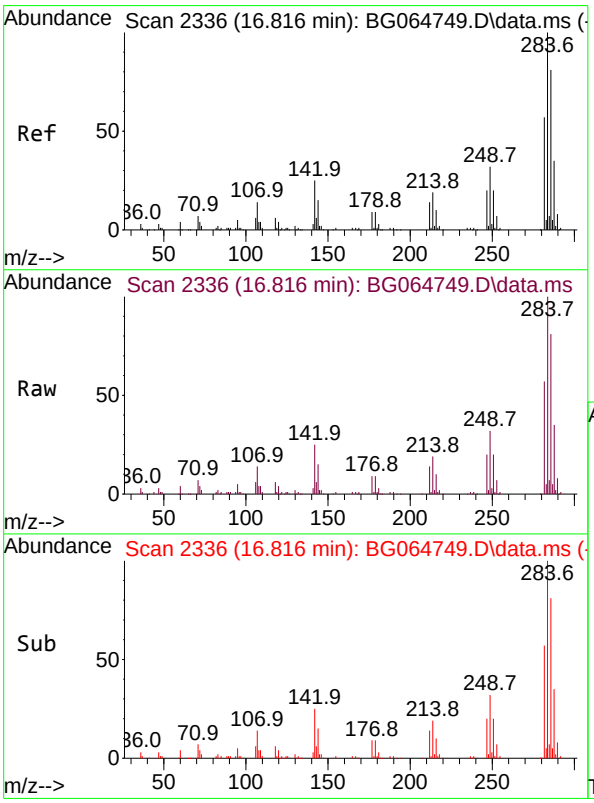
Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.0	115.6
141	54.6	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

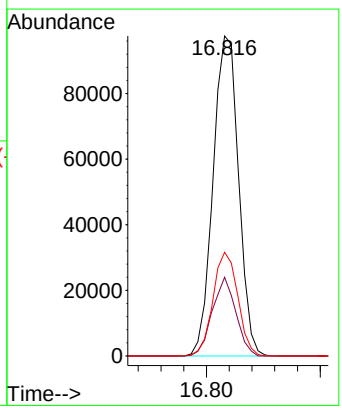
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

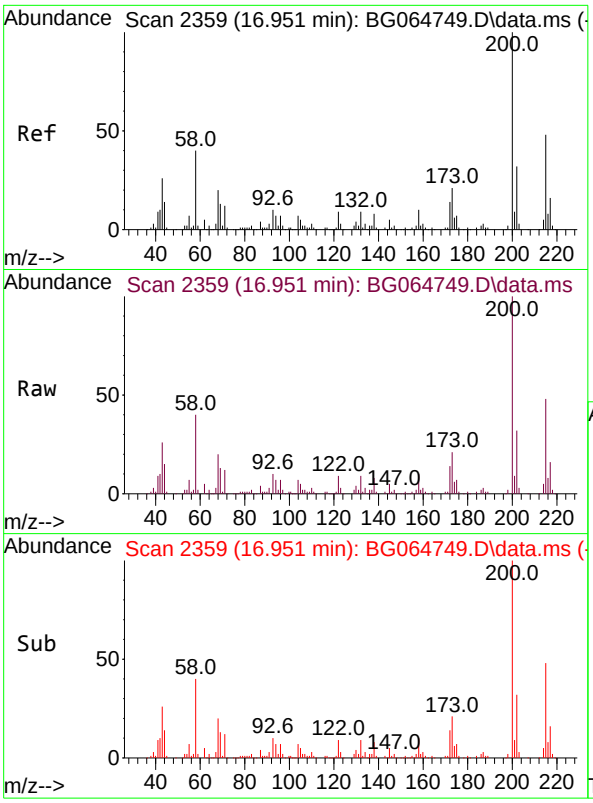


#68
Hexachlorobenzene
Concen: 40.195 ng
RT: 16.816 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:284 Resp: 151827

Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.7	29.5
249	35.1	28.1	42.1





#69
Atrazine
Concen: 40.086 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

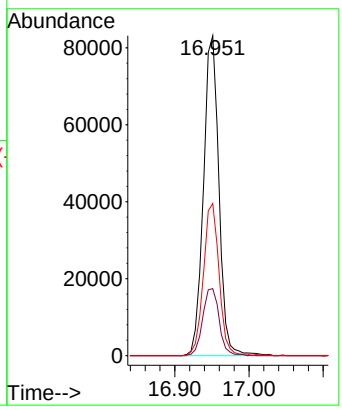
Tgt Ion:200 Resp: 120184

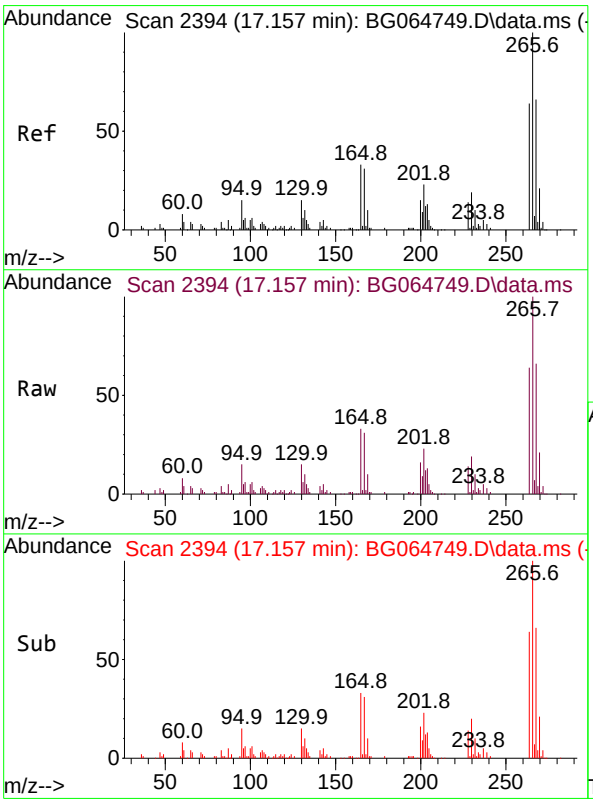
Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.5	27.5	67.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

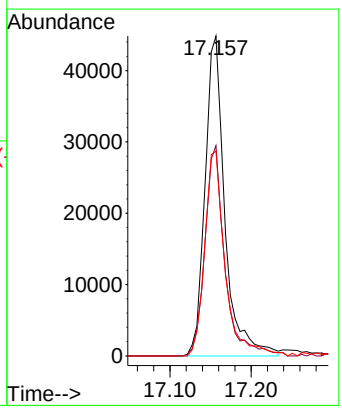


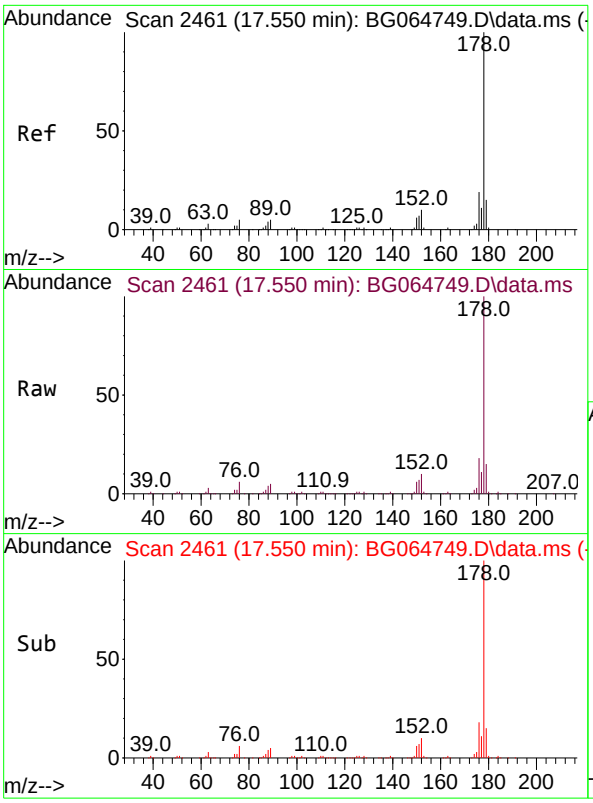


#70
Pentachlorophenol
Concen: 37.572 ng
RT: 17.157 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:266 Resp: 76096

Ion	Ratio	Lower	Upper
266	100		
268	70.1	56.1	84.1
264	64.0	51.2	76.8

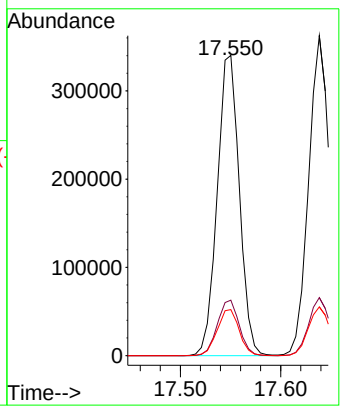




#71
Phenanthrene
Concen: 40.177 ng
RT: 17.550 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:178 Resp: 52187

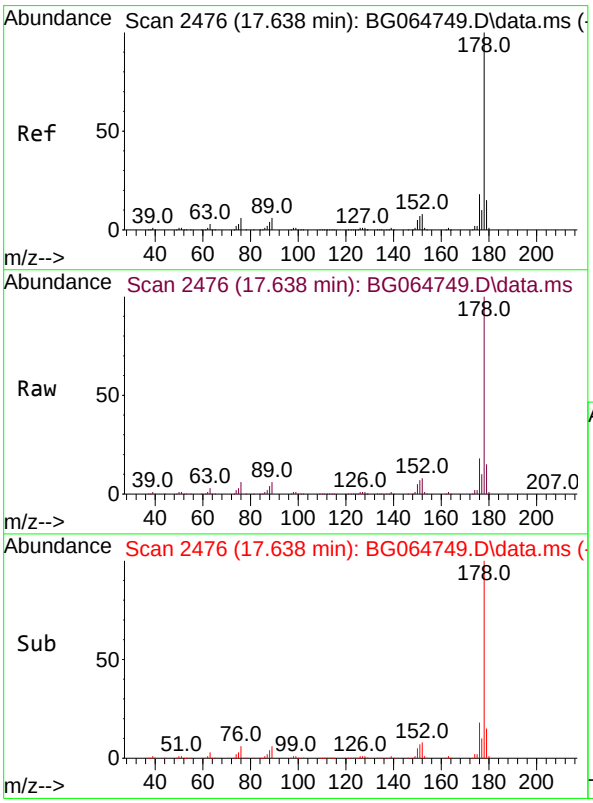
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

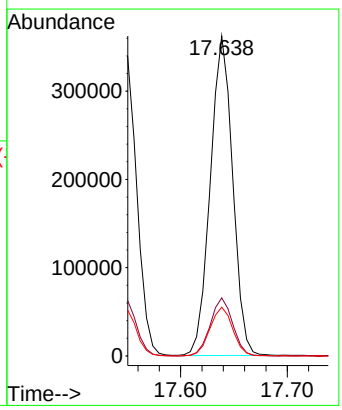
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

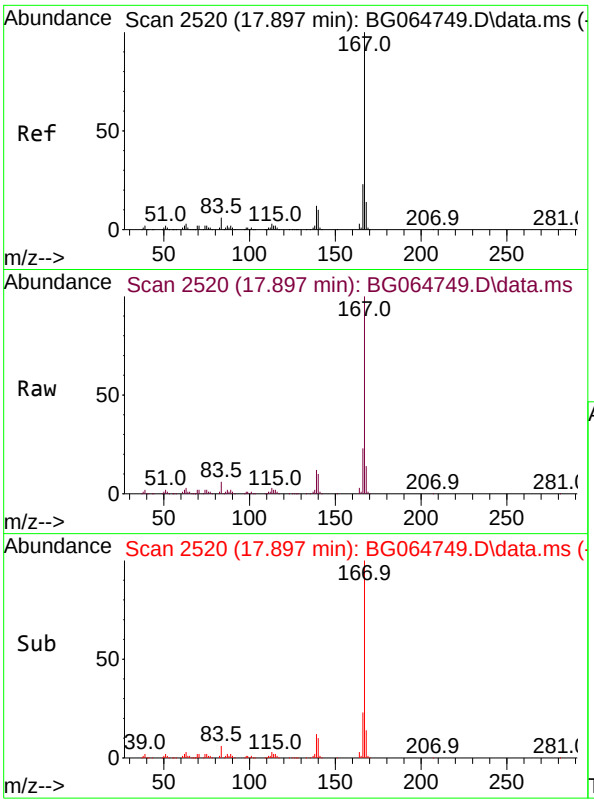


#72
Anthracene
Concen: 39.892 ng
RT: 17.638 min Scan# 2476
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:178 Resp: 528364

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.3	12.2	18.4

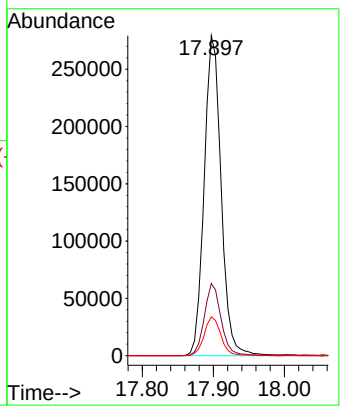




#73
Carbazole
Concen: 40.475 ng
RT: 17.897 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:167 Resp: 46085

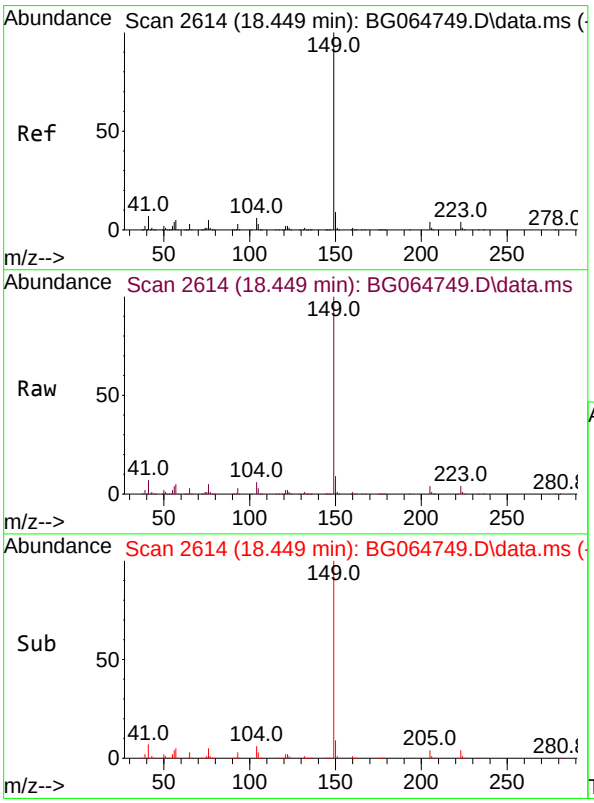
Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

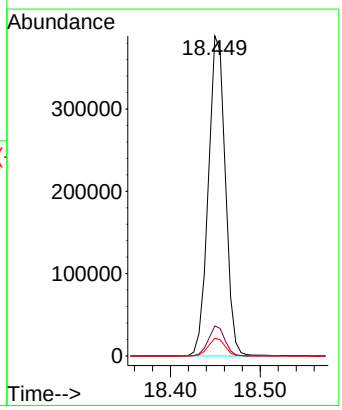
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

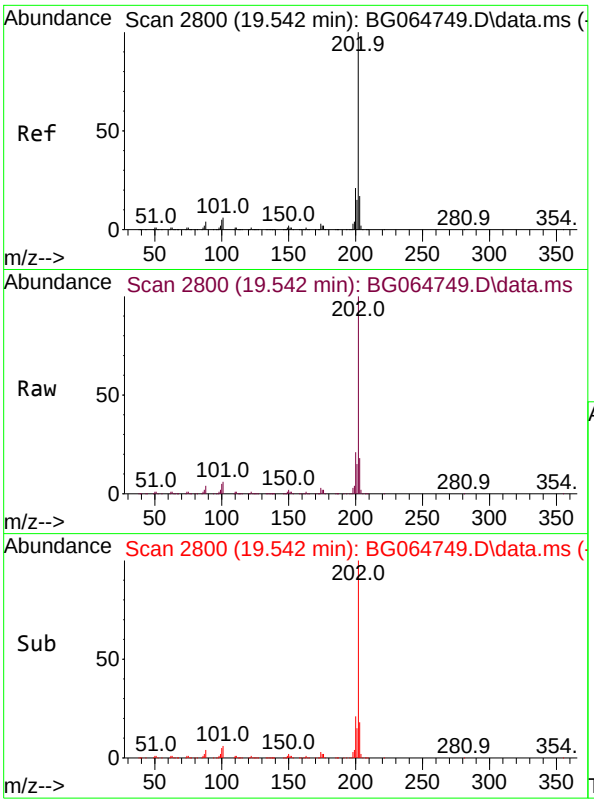


#74
Di-n-butylphthalate
Concen: 40.245 ng
RT: 18.449 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 511236

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.5	4.4	6.6

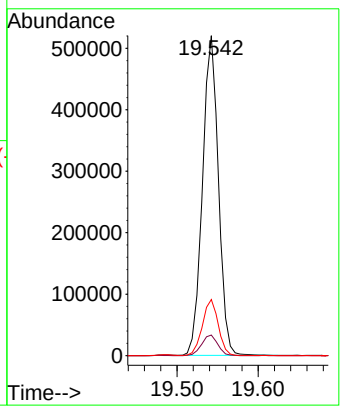




#75
Fluoranthene
Concen: 39.948 ng
RT: 19.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:202 Resp: 70955

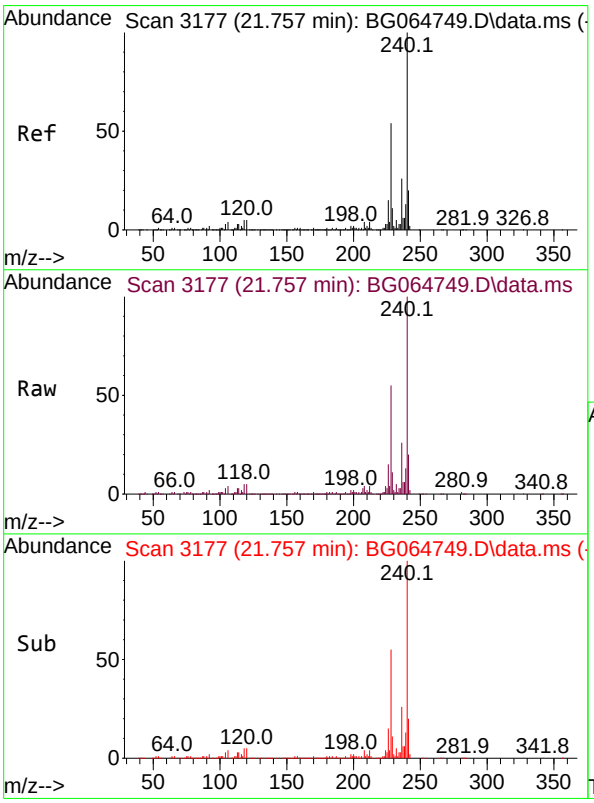
Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	26.4
203	17.5	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

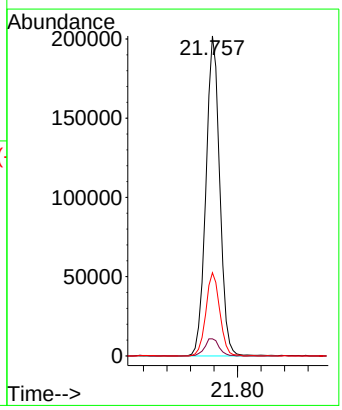
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

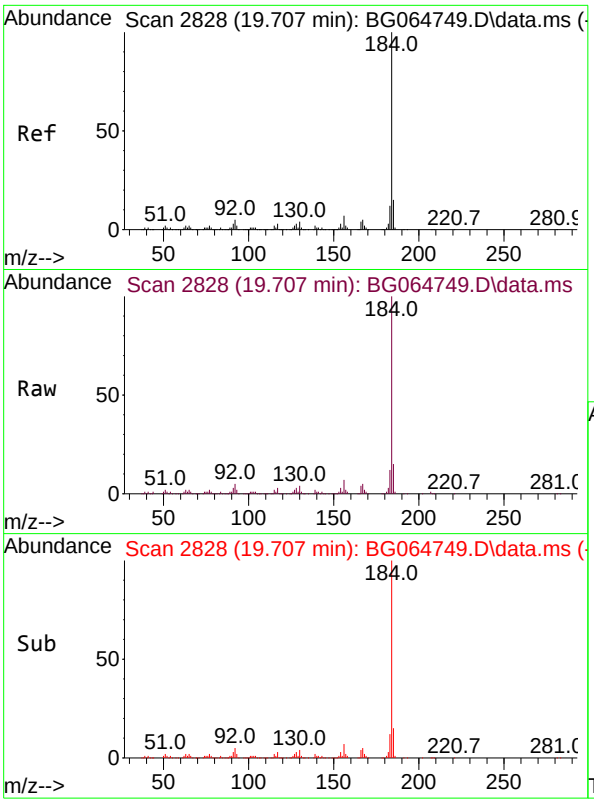


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.757 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:240 Resp: 329177

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	26.0	20.8	31.2

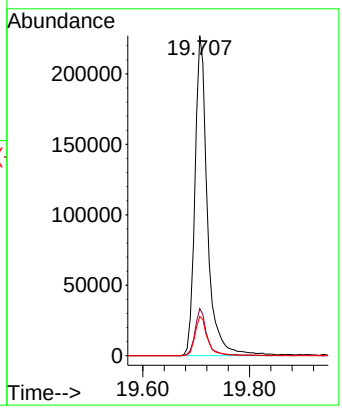




#77
Benzidine
Concen: 37.485 ng
RT: 19.707 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:184 Resp: 369544

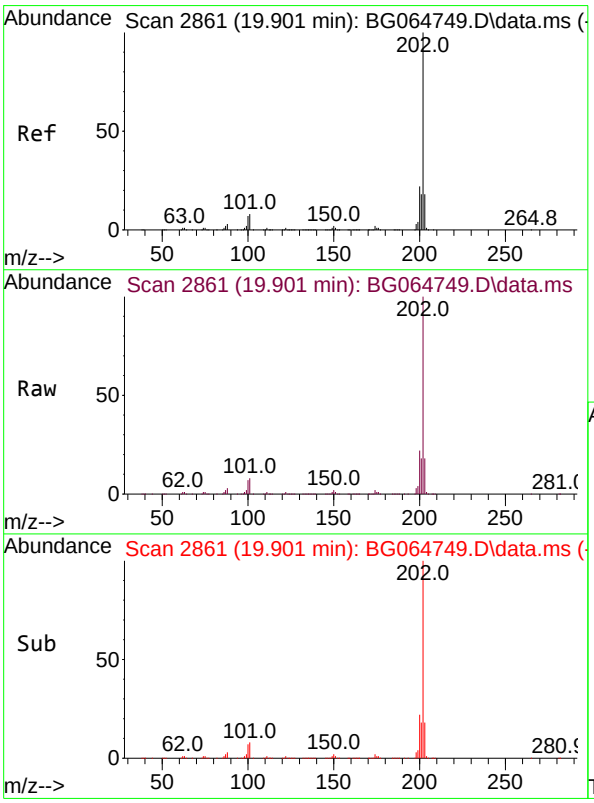
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	12.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

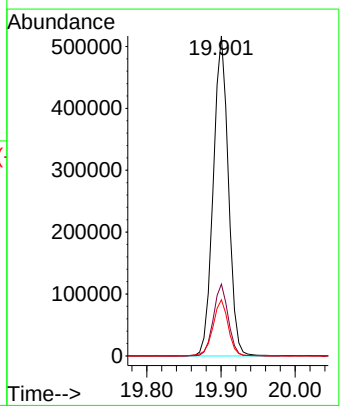
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

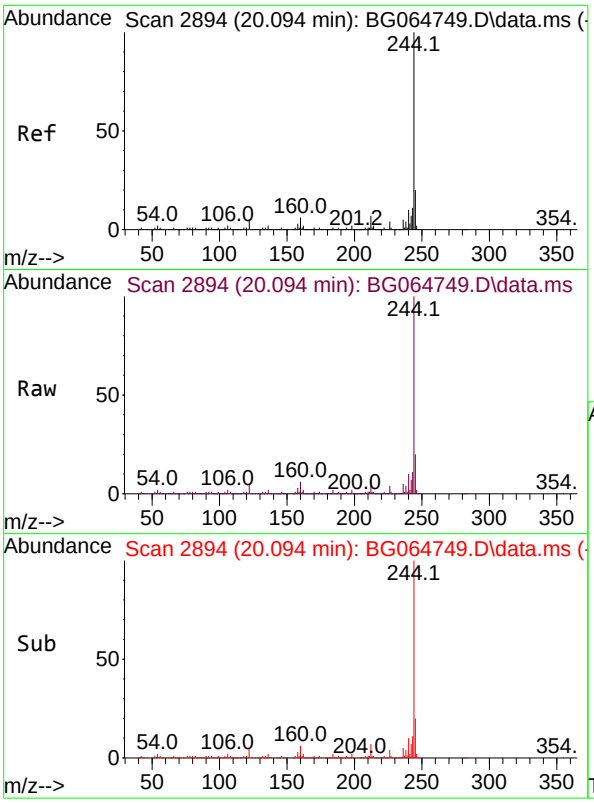


#78
Pyrene
Concen: 39.650 ng
RT: 19.901 min Scan# 2861
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:202 Resp: 731495

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.9	26.9
203	17.5	14.0	21.0





#79
Terphenyl-d14
Concen: 79.636 ng
RT: 20.094 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

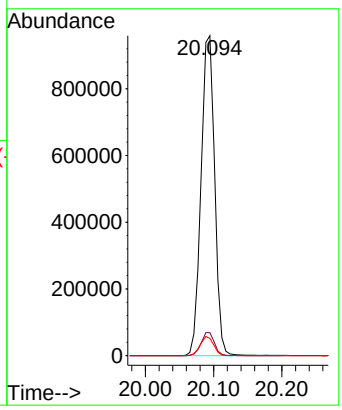
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

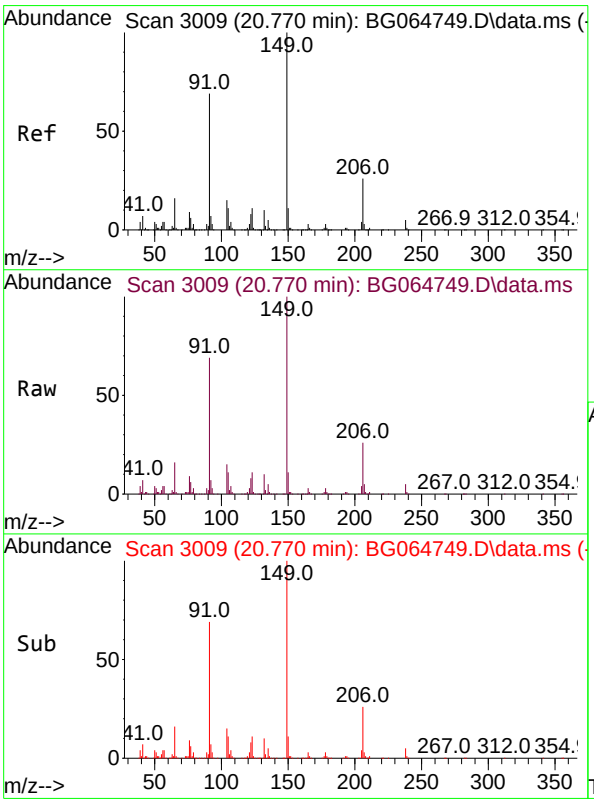
Tgt Ion:244 Resp: 133263

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	5.4	4.3	6.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

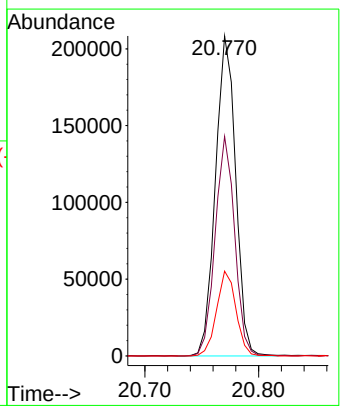


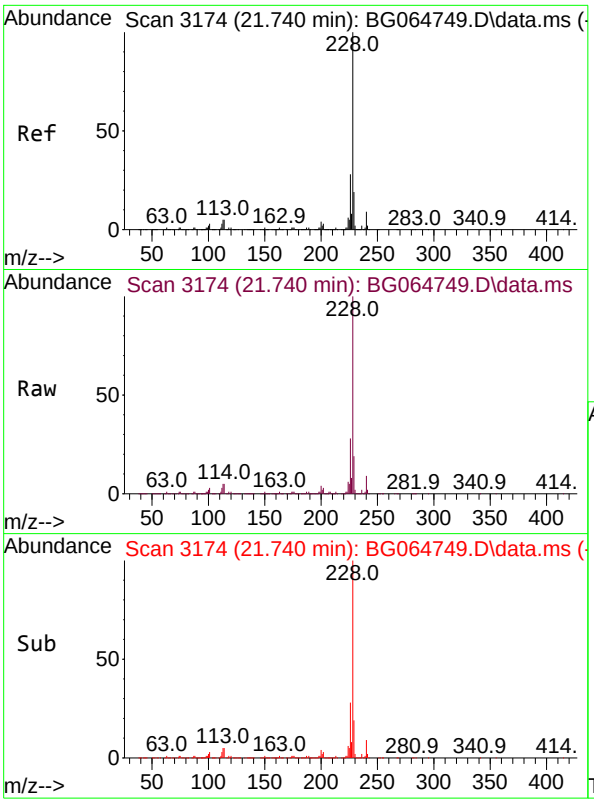


#80
Butylbenzylphthalate
Concen: 39.676 ng
RT: 20.770 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 257466

Ion	Ratio	Lower	Upper
149	100		
91	68.6	54.9	82.3
206	26.5	21.2	31.8

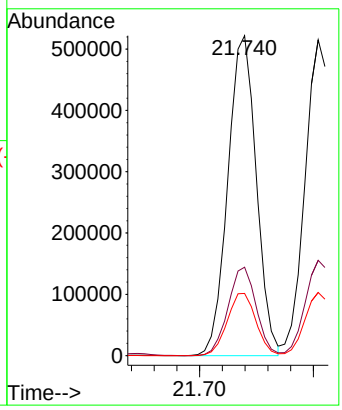




#81
Benzo(a)anthracene
Concen: 40.563 ng
RT: 21.740 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:228 Resp: 90791

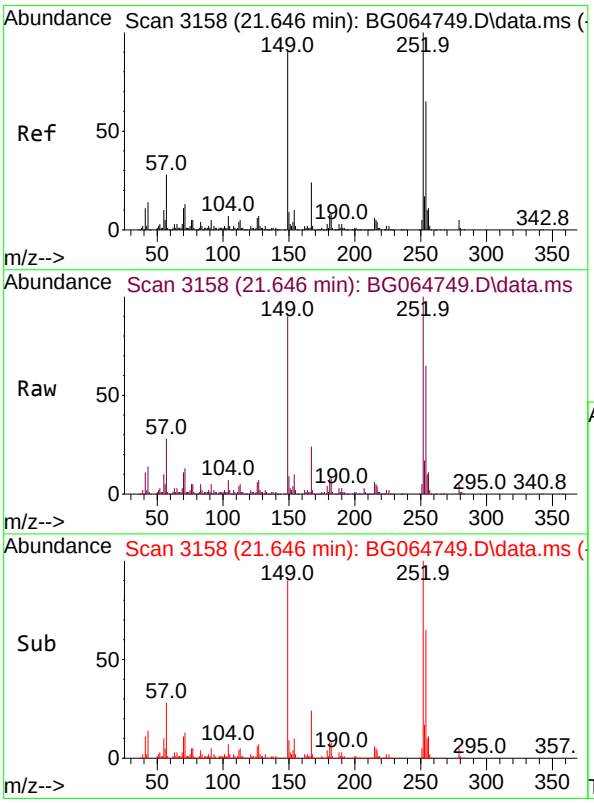
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.4	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

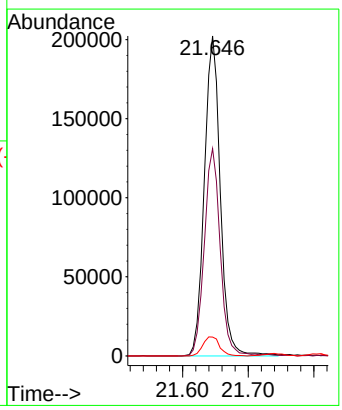
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

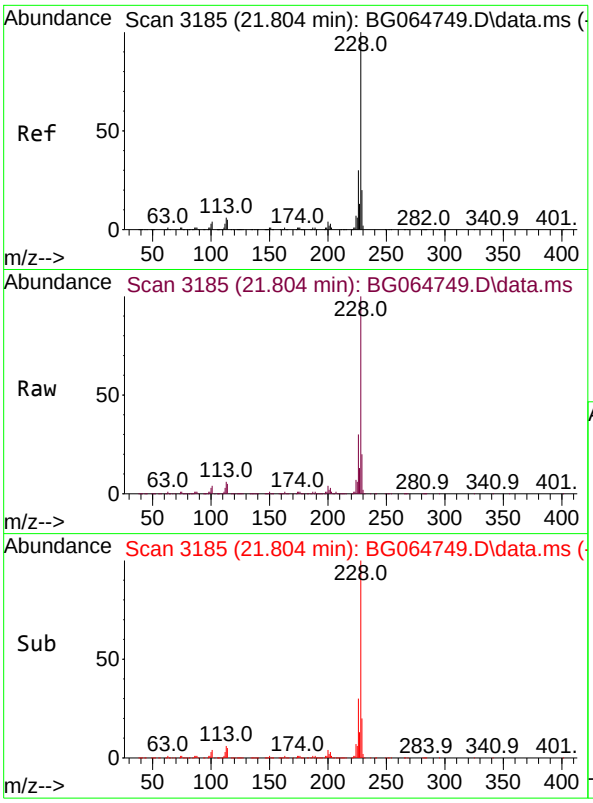


#82
3,3'-Dichlorobenzidine
Concen: 41.276 ng
RT: 21.646 min Scan# 3158
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 340049

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.8
126	5.9	4.7	7.1





#83
Chrysene
Concen: 40.834 ng
RT: 21.804 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

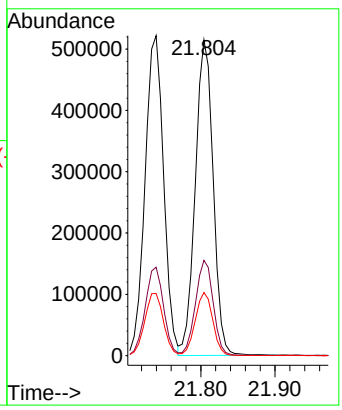
Tgt Ion:228 Resp: 86168

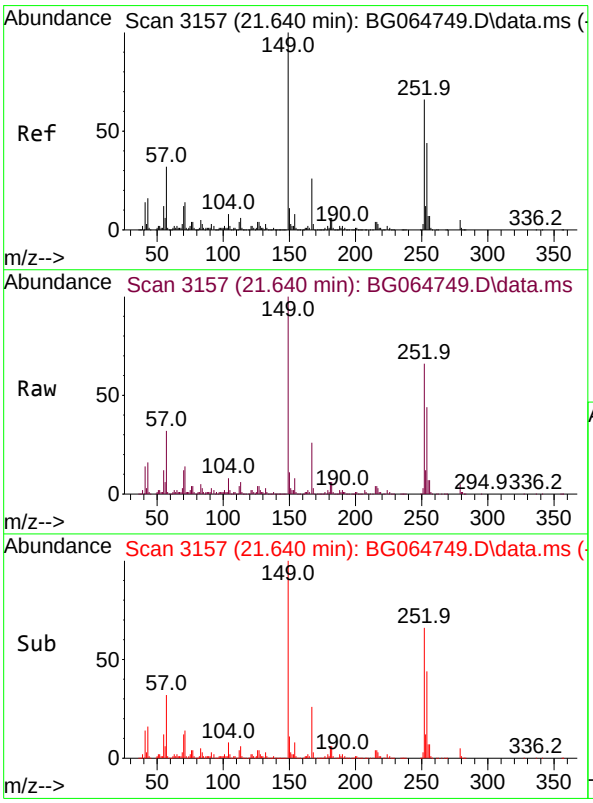
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	20.0	16.0	24.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

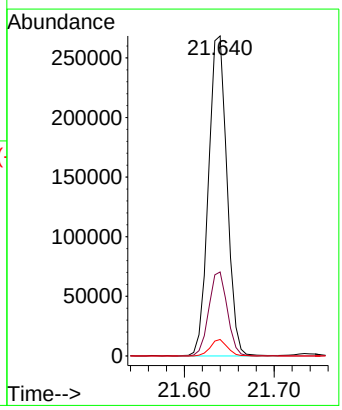


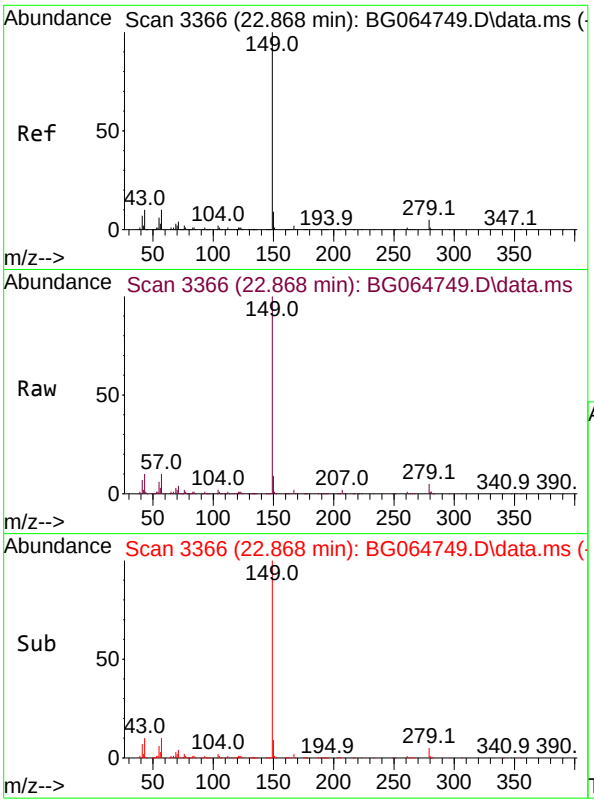


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.497 ng
RT: 21.640 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 384010

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	5.1	4.1	6.1

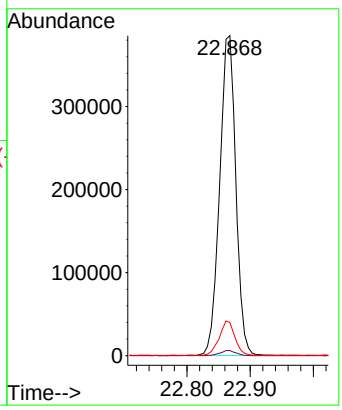




#85
Di-n-octyl phthalate
Concen: 41.680 ng
RT: 22.868 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 68317

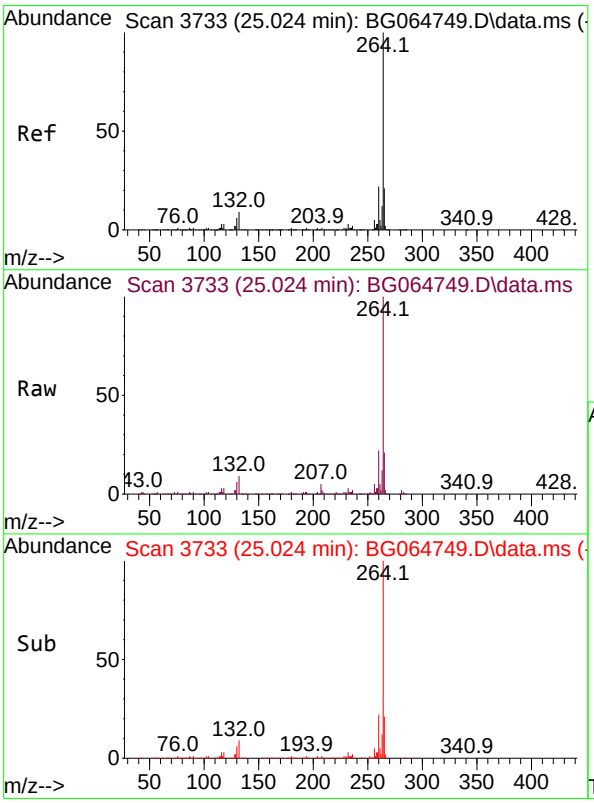
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.4	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

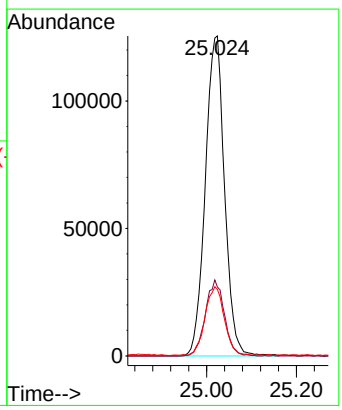
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

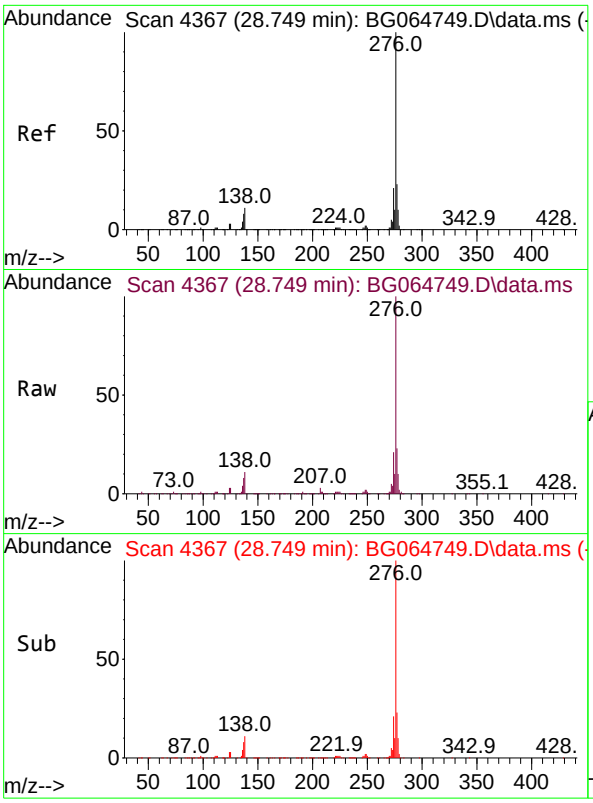


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3733
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:264 Resp: 372727

Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.2	25.8
265	20.8	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.734 ng
RT: 28.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

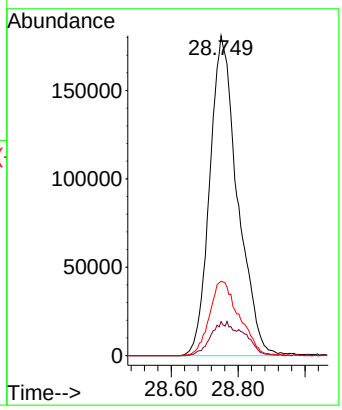
Tgt Ion:276 Resp: 104309

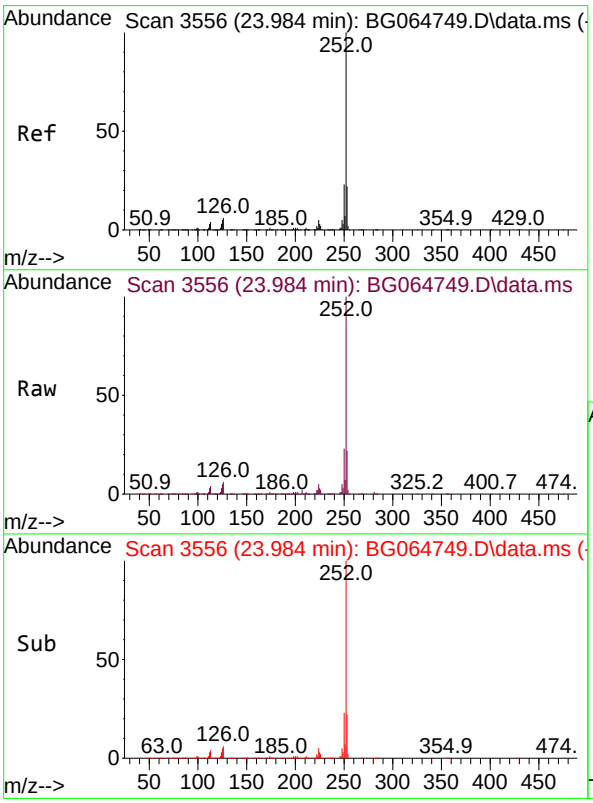
Ion	Ratio	Lower	Upper
276	100		
138	5.6	4.5	6.7
277	25.0	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

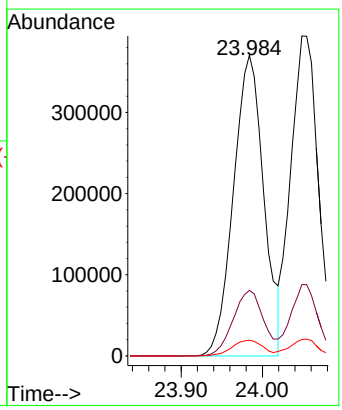


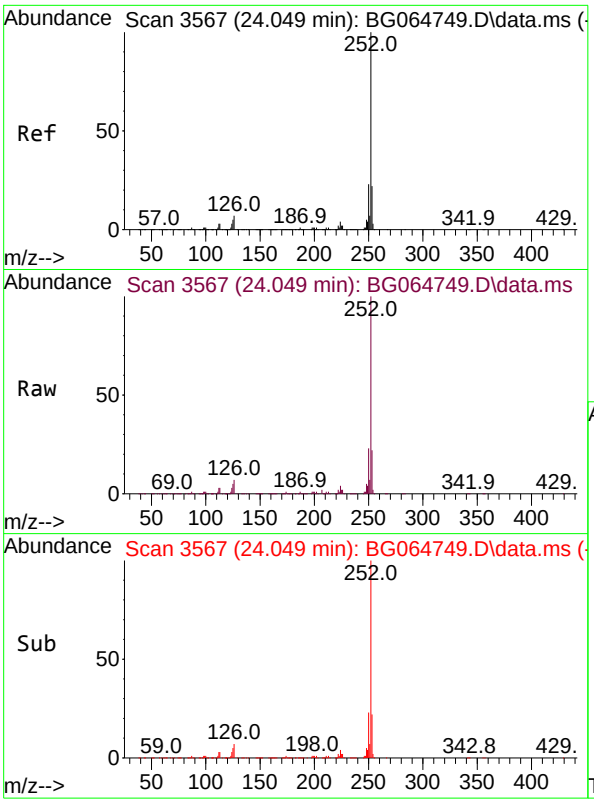


#88
Benzo(b)fluoranthene
Concen: 40.559 ng
RT: 23.984 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 962053

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	5.2	4.2	6.2

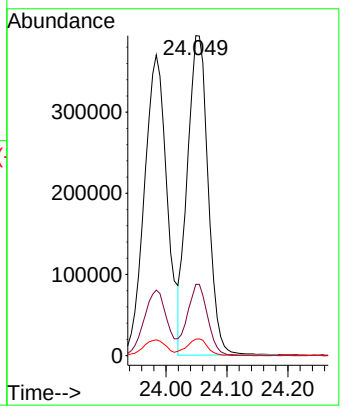




#89
Benzo(k)fluoranthene
Concen: 39.075 ng
RT: 24.049 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 93115

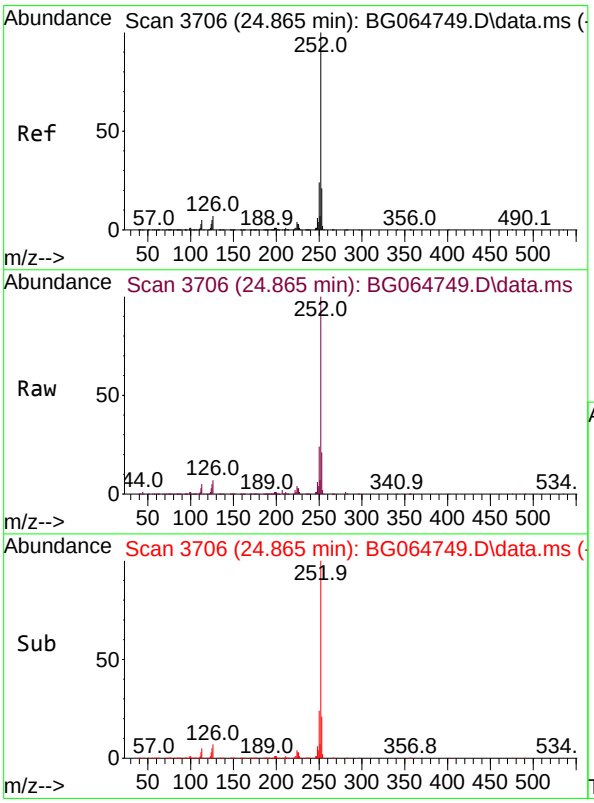
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	5.1	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

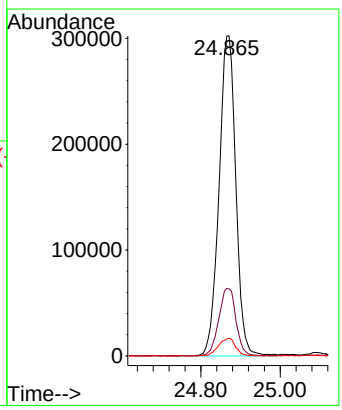
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

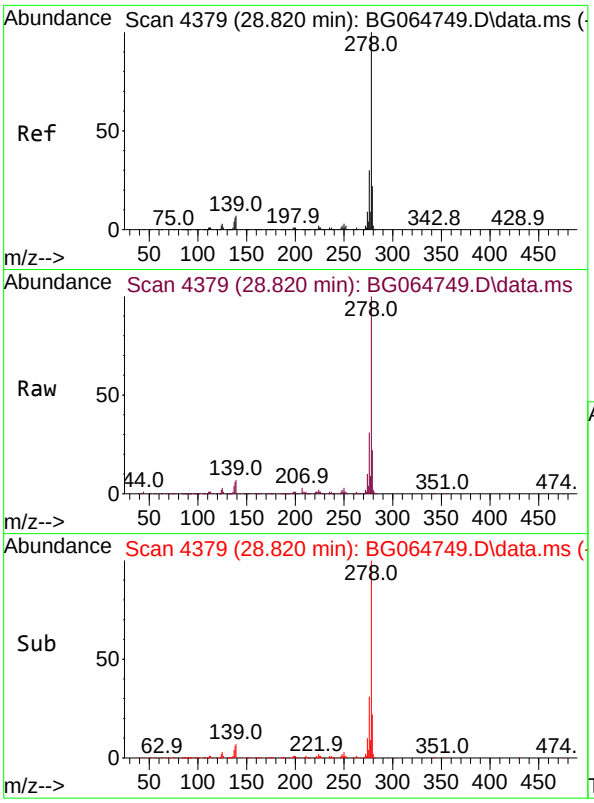


#90
Benzo(a)pyrene
Concen: 40.357 ng
RT: 24.865 min Scan# 3706
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 887984

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	5.3	4.2	6.4

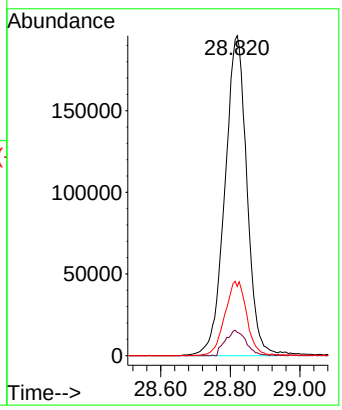




#91
Dibenzo(a,h)anthracene
Concen: 40.917 ng
RT: 28.820 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:278 Resp: 85836

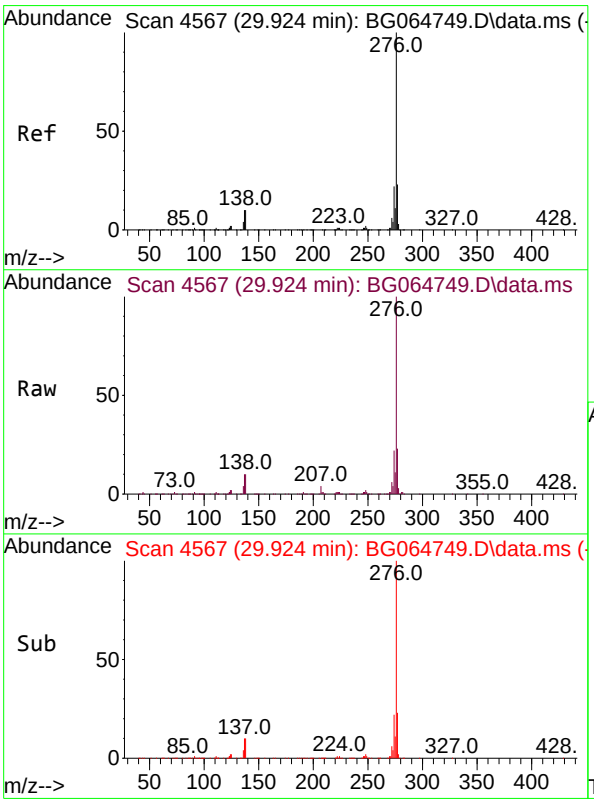
Ion	Ratio	Lower	Upper
278	100		
139	7.3	5.8	8.8
279	21.6	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

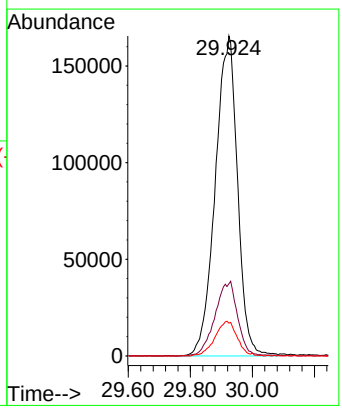
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 40.796 ng
RT: 29.924 min Scan# 4567
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:276 Resp: 823658

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.0	27.0
138	10.2	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.171	152	31498	20.000	ng	#	0.00
21) Naphthalene-d8	10.985	136	128561	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	106438	20.000	ng		0.00
64) Phenanthrene-d10	17.507	188	274480	20.000	ng		0.00
76) Chrysene-d12	21.761	240	357345	20.000	ng		0.00
86) Perylene-d12	25.016	264	371257	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	186004	103.119	ng		0.00
7) Phenol-d6	7.313	99	254548	106.101	ng		0.00
23) Nitrobenzene-d5	9.328	82	267372	102.828	ng		0.00
42) 2,4,6-Tribromophenol	16.250	330	211663	101.964	ng		0.00
45) 2-Fluorobiphenyl	13.412	172	744902	97.652	ng		0.00
79) Terphenyl-d14	20.092	244	1857392	102.245	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	35574	50.943	ng		98
3) Pyridine	3.946	79	106725	51.294	ng		98
4) n-Nitrosodimethylamine	3.853	42	54302	51.277	ng		99
6) Aniline	7.484	93	167371	52.339	ng		99
8) 2-Chlorophenol	7.724	128	103747	52.381	ng		98
9) Benzaldehyde	7.296	77	74755	47.601	ng		95
10) Phenol	7.337	94	139673	53.508	ng		98
11) bis(2-Chloroethyl)ether	7.572	93	96399	51.898	ng		95
12) 1,3-Dichlorobenzene	8.059	146	115482	50.671	ng		100
13) 1,4-Dichlorobenzene	8.200	146	116931	50.387	ng		99
14) 1,2-Dichlorobenzene	8.524	146	113910	50.623	ng		96
15) Benzyl Alcohol	8.400	79	105367	53.506	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.694	45	225281	51.240	ng		97
17) 2-Methylphenol	8.600	107	97154	52.602	ng		98
18) Hexachloroethane	9.264	117	43284	49.245	ng		98
19) n-Nitroso-di-n-propyla...	8.970	70	89646	55.264	ng		97
20) 3+4-Methylphenols	8.929	107	131483	51.964	ng		95
22) Acetophenone	8.988	105	178320	50.911	ng	#	96
24) Nitrobenzene	9.370	77	133911	50.970	ng		96
25) Isophorone	9.898	82	252330	50.959	ng		96
26) 2-Nitrophenol	10.086	139	62279	52.701	ng		94
27) 2,4-Dimethylphenol	10.139	122	107426	51.169	ng		97
28) bis(2-Chloroethoxy)met...	10.374	93	138748	51.040	ng		100
29) 2,4-Dichlorophenol	10.621	162	119188	52.879	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	134410	49.384	ng		95
31) Naphthalene	11.038	128	360779	49.504	ng		99
32) Benzoic acid	10.263	122	71126m	47.913	ng		
33) 4-Chloroaniline	11.132	127	151856	52.089	ng		97
34) Hexachlorobutadiene	11.326	225	114930	49.215	ng		96
35) Caprolactam	11.896	113	36692	54.473	ng	#	92
36) 4-Chloro-3-methylphenol	12.237	107	129260	51.523	ng		97
37) 2-Methylnaphthalene	12.625	142	273168	50.088	ng		99
38) 1-Methylnaphthalene	12.842	142	268378	49.540	ng		99
40) 1,2,4,5-Tetrachloroben...	12.989	216	201992	48.764	ng		98
41) Hexachlorocyclopentadiene	12.971	237	148300	49.948	ng		94
43) 2,4,6-Trichlorophenol	13.218	196	126206	51.912	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.289	196	138309	50.724	ng		96
46) 1,1'-Biphenyl	13.618	154	373911	48.911	ng		98
47) 2-Chloronaphthalene	13.665	162	296964	49.307	ng		98
48) 2-Nitroaniline	13.853	65	101905	52.606	ng		97
49) Acenaphthylene	14.499	152	513965	49.951	ng		98
50) Dimethylphthalate	14.223	163	420404	50.001	ng		100
51) 2,6-Dinitrotoluene	14.340	165	84245	52.071	ng		96
52) Acenaphthene	14.840	154	313277	50.780	ng		99
53) 3-Nitroaniline	14.663	138	85159	53.331	ng		94
54) 2,4-Dinitrophenol	14.869	184	50173	48.998	ng		91
55) Dibenzofuran	15.175	168	503441	49.360	ng		96
56) 4-Nitrophenol	14.957	139	68287	53.900	ng		92
57) 2,4-Dinitrotoluene	15.116	165	125592	51.779	ng		95
58) Fluorene	15.815	166	388983	48.627	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.392	232	142728	53.053	ng		97
60) Diethylphthalate	15.574	149	407694	50.617	ng		99
61) 4-Chlorophenyl-phenyle...	15.803	204	234740	48.897	ng		99
62) 4-Nitroaniline	15.827	138	89205	53.925	ng		91
63) Azobenzene	16.097	77	332609	49.648	ng		99
65) 4,6-Dinitro-2-methylph...	15.880	198	83106	54.533	ng		98
66) n-Nitrosodiphenylamine	16.015	169	356316	49.560	ng		100
67) 4-Bromophenyl-phenylether	16.696	248	177607	49.273	ng		95
68) Hexachlorobenzene	16.820	284	218143	49.952	ng		95
69) Atrazine	16.949	200	173976	50.190	ng		99
70) Pentachlorophenol	17.155	266	121224	49.449	ng		94
71) Phenanthrene	17.548	178	741474	49.373	ng		99
72) Anthracene	17.642	178	754273	49.256	ng		99
73) Carbazole	17.901	167	647451	49.183	ng		99
74) Di-n-butylphthalate	18.453	149	738268	50.268	ng		100
75) Fluoranthene	19.540	202	1002435	48.814	ng		99
77) Benzidine	19.710	184	551983	51.578	ng		98
78) Pyrene	19.904	202	1040032	51.930	ng		98
80) Butylbenzylphthalate	20.774	149	360898	51.231	ng		95
81) Benzo(a)anthracene	21.737	228	1212620	49.906	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	452926	50.644	ng		99
83) Chrysene	21.808	228	1131589	49.398	ng		99
84) Bis(2-ethylhexyl)phtha...	21.638	149	509870	49.532	ng		99
85) Di-n-octyl phthalate	22.866	149	878300	49.360	ng		100
87) Indeno(1,2,3-cd)pyrene	28.759	276	1303237	51.094	ng	#	96
88) Benzo(b)fluoranthene	23.982	252	1186948	50.239	ng		100
89) Benzo(k)fluoranthene	24.052	252	1187020	50.009	ng		100
90) Benzo(a)pyrene	24.869	252	1096687	50.040	ng		99
91) Dibenzo(a,h)anthracene	28.817	278	1071866	51.297	ng		97
92) Benzo(g,h,i)perylene	29.922	276	1028630	51.150	ng		97

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

ICAL Form

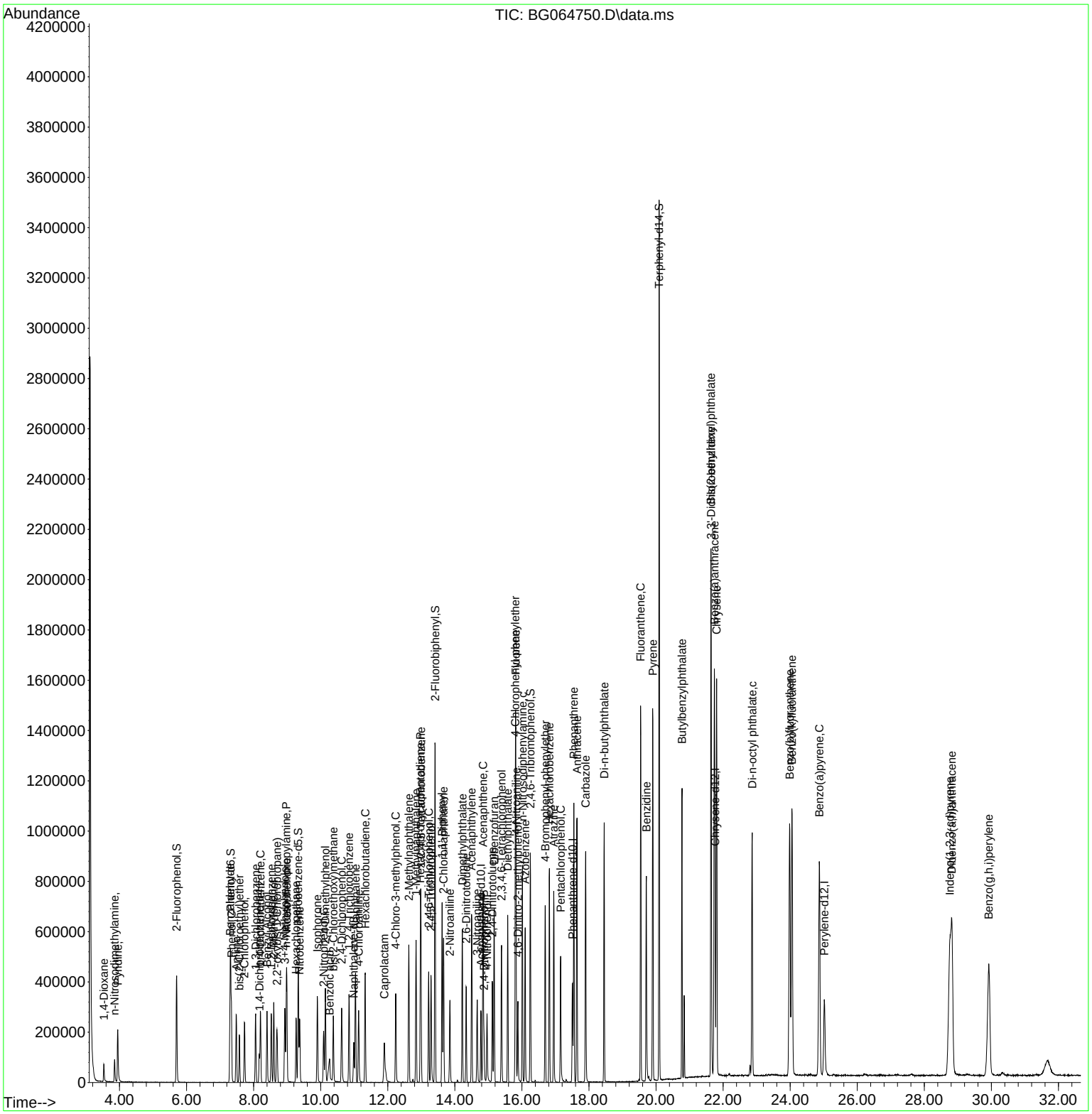
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

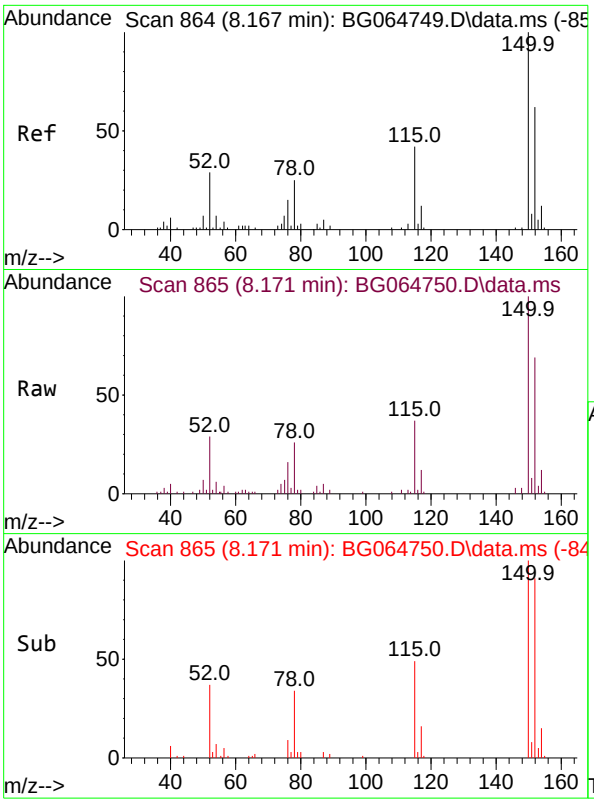
Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

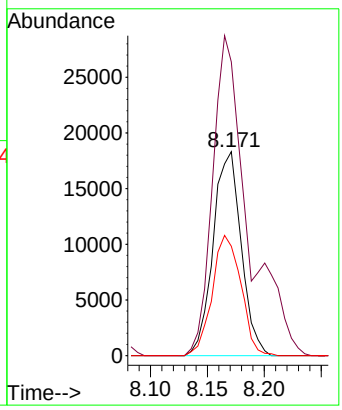




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.171 min Scan# 8
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:152 Resp: 3149

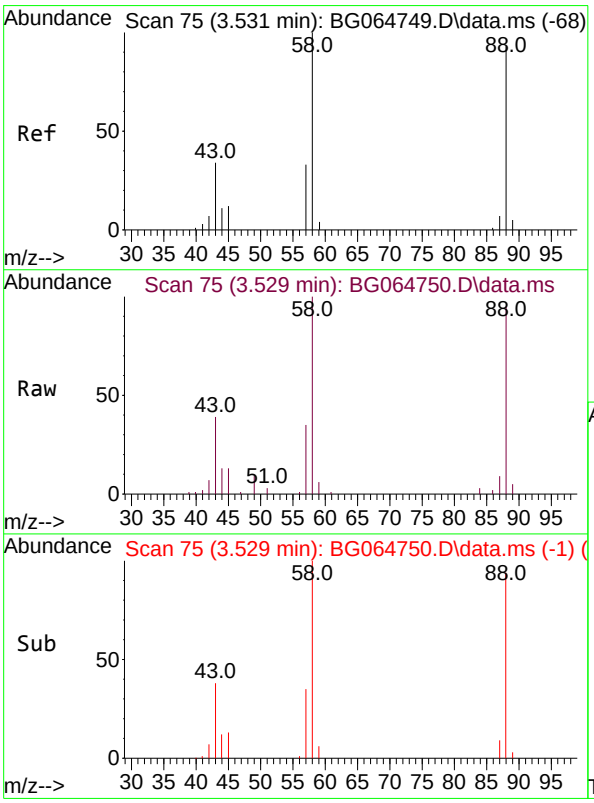
Ion	Ratio	Lower	Upper
152	100		
150	144.0	129.2	193.8
115	53.6	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

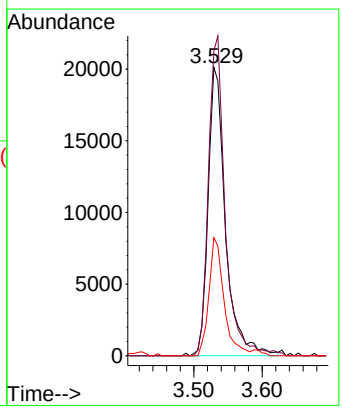
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

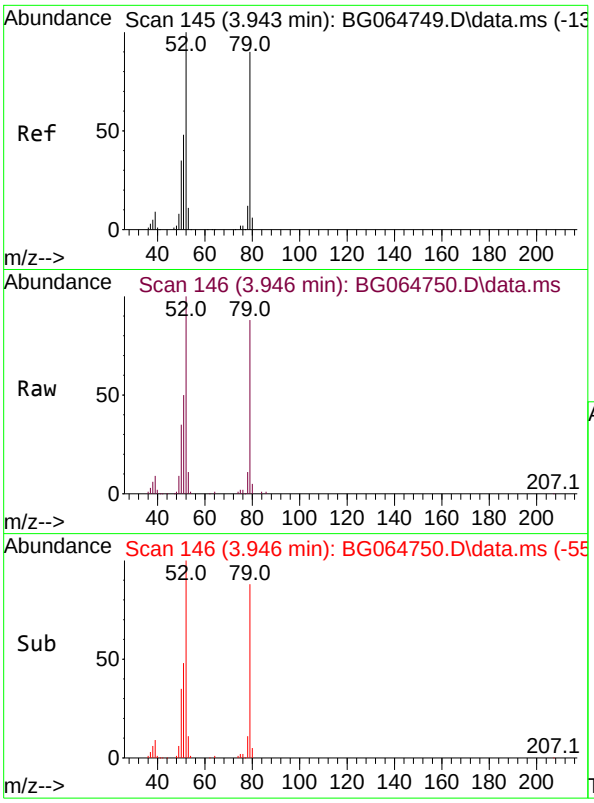


#2
1,4-Dioxane
Concen: 50.943 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 88 Resp: 35574

Ion	Ratio	Lower	Upper
88	100		
58	107.0	84.6	126.8
43	35.8	30.0	45.0

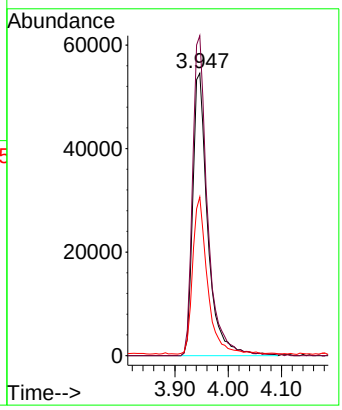




#3
Pyridine
Concen: 51.294 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 79 Resp: 10672

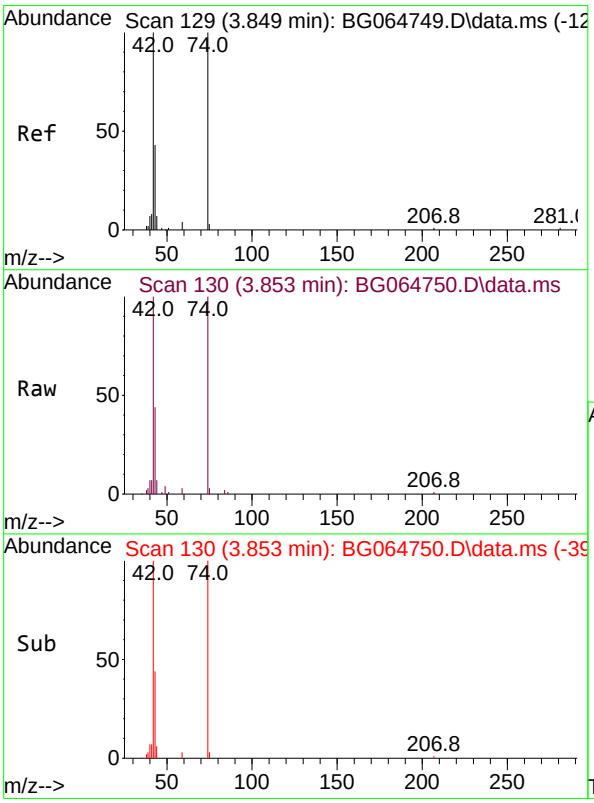
Ion	Ratio	Lower	Upper
79	100		
52	113.3	89.0	133.4
51	56.2	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

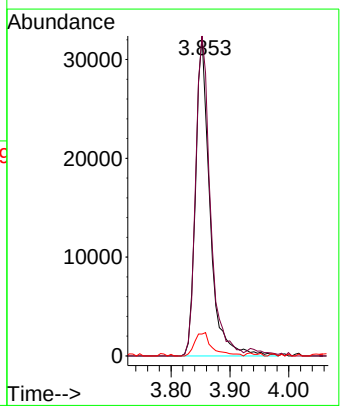
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

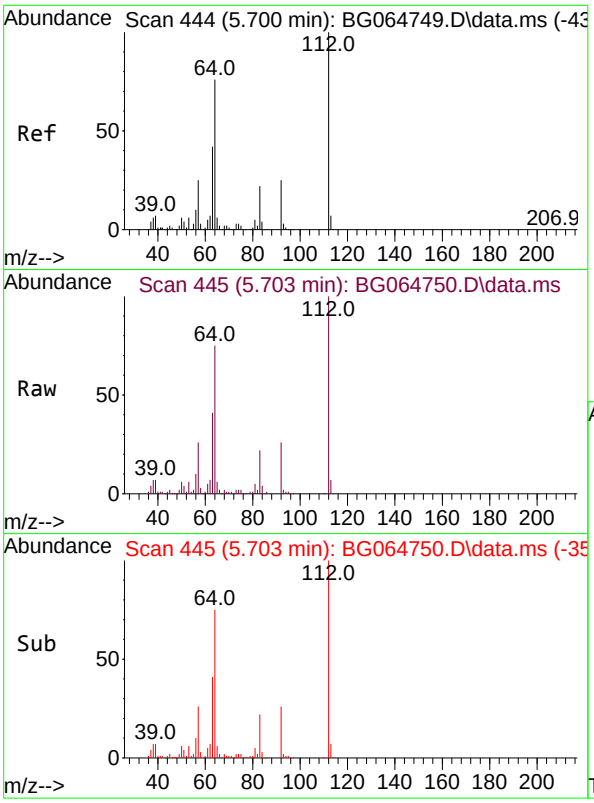


#4
n-Nitrosodimethylamine
Concen: 51.277 ng
RT: 3.853 min Scan# 130
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 42 Resp: 54302

Ion	Ratio	Lower	Upper
42	100		
74	100.1	79.8	119.6
44	6.8	5.9	8.9

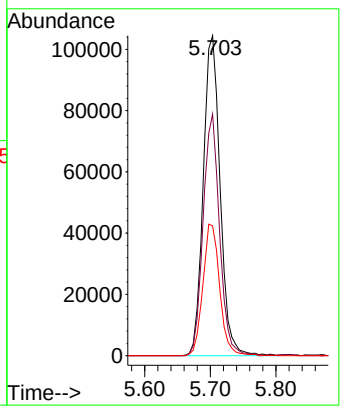




#5
2-Fluorophenol
Concen: 103.119 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:112 Resp: 18600

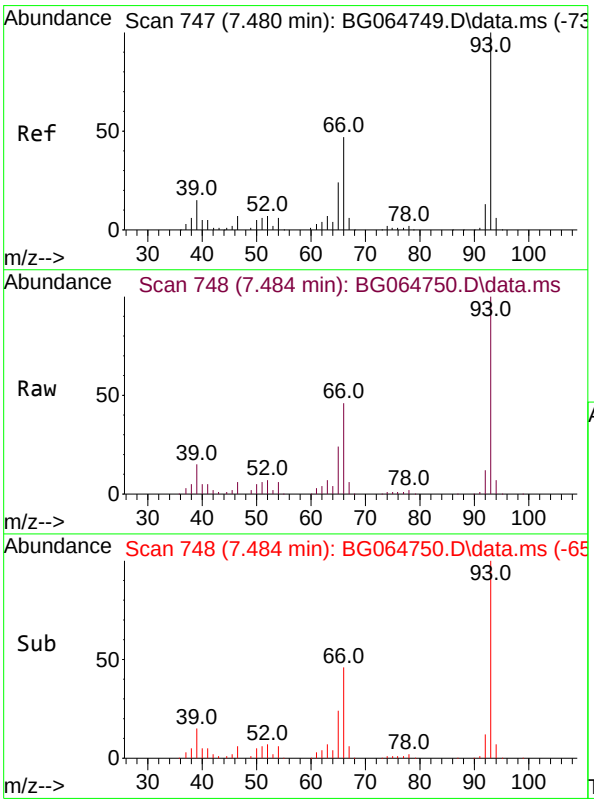
Ion	Ratio	Lower	Upper
112	100		
64	75.5	61.0	91.4
63	40.5	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

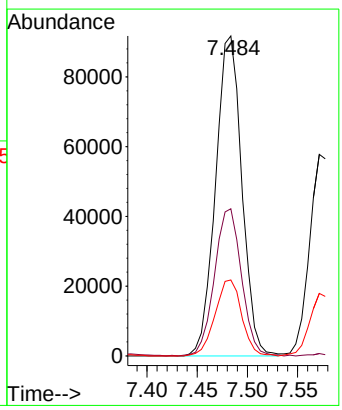
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

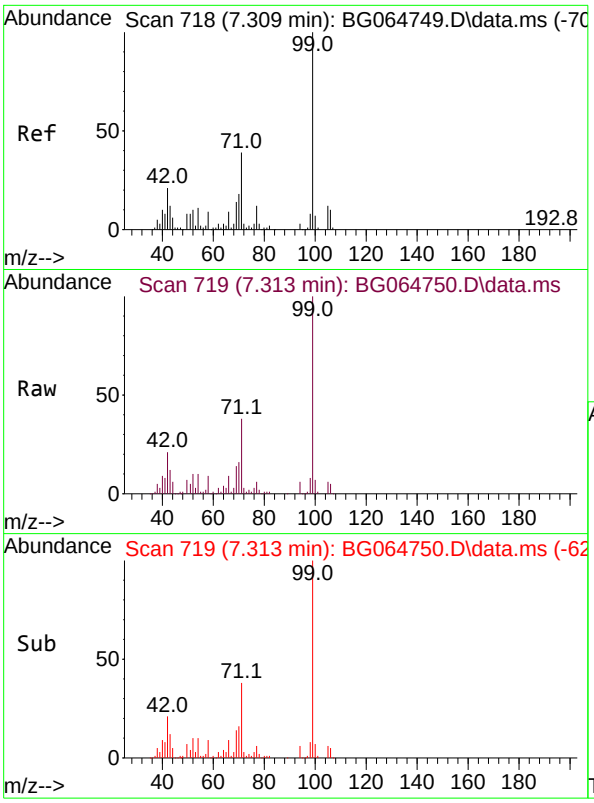


#6
Aniline
Concen: 52.339 ng
RT: 7.484 min Scan# 748
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 167371

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.7	56.5
65	23.7	19.1	28.7

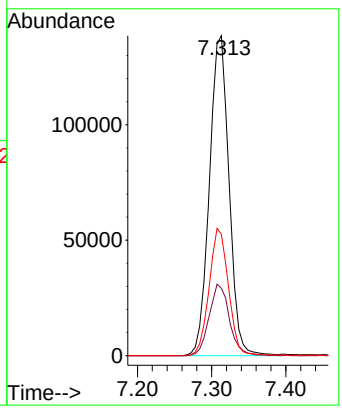




#7
Phenol-d6
Concen: 106.101 ng
RT: 7.313 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 99 Resp: 25454

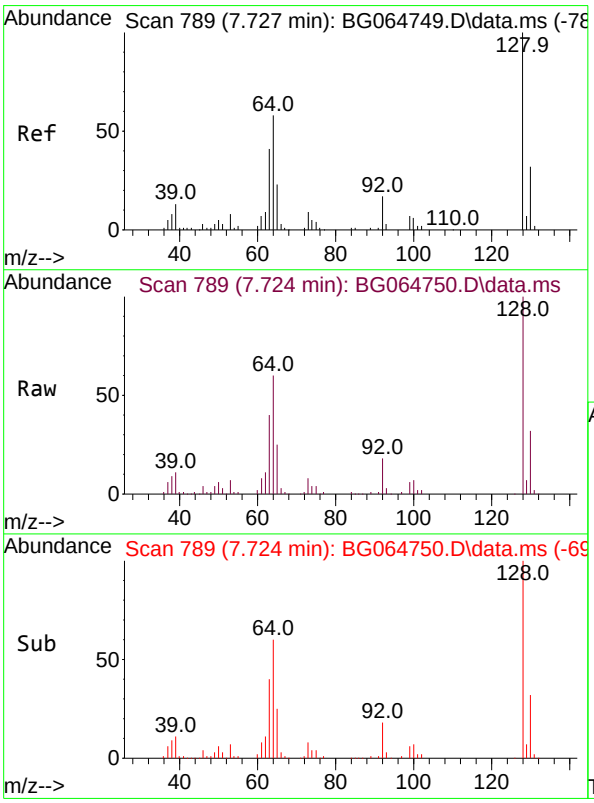
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.8	25.2
71	37.8	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

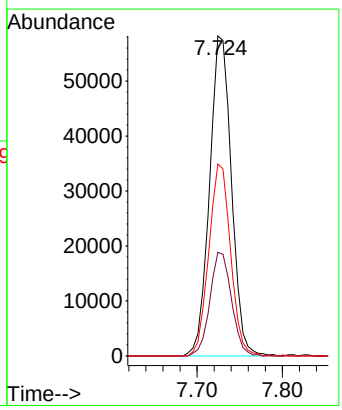
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

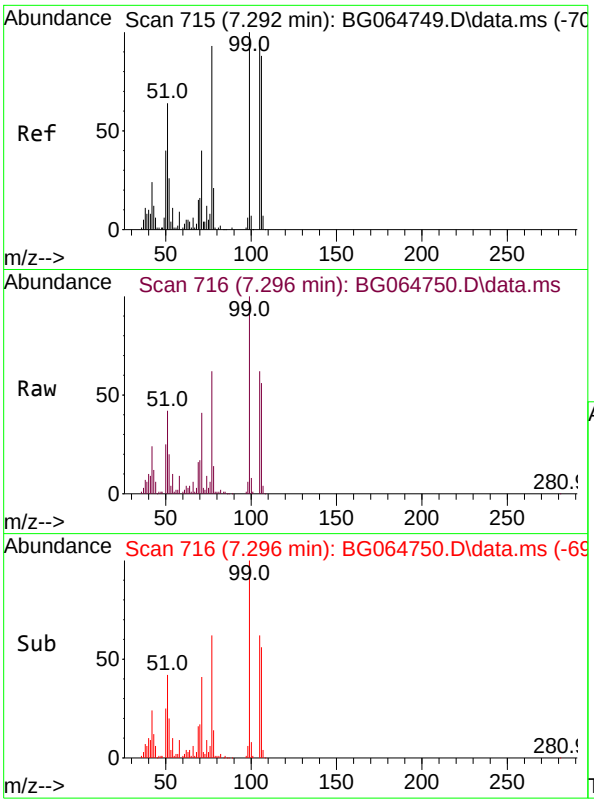


#8
2-Chlorophenol
Concen: 52.381 ng
RT: 7.724 min Scan# 789
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:128 Resp: 103747

Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.9	51.9
64	60.0	38.4	78.4

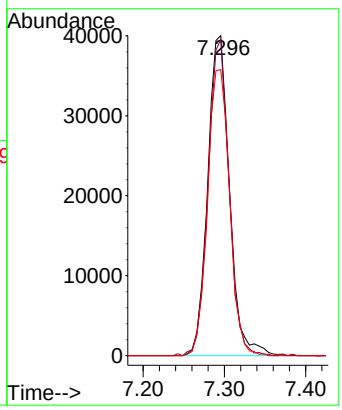




#9
Benzaldehyde
Concen: 47.601 ng
RT: 7.296 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 7475

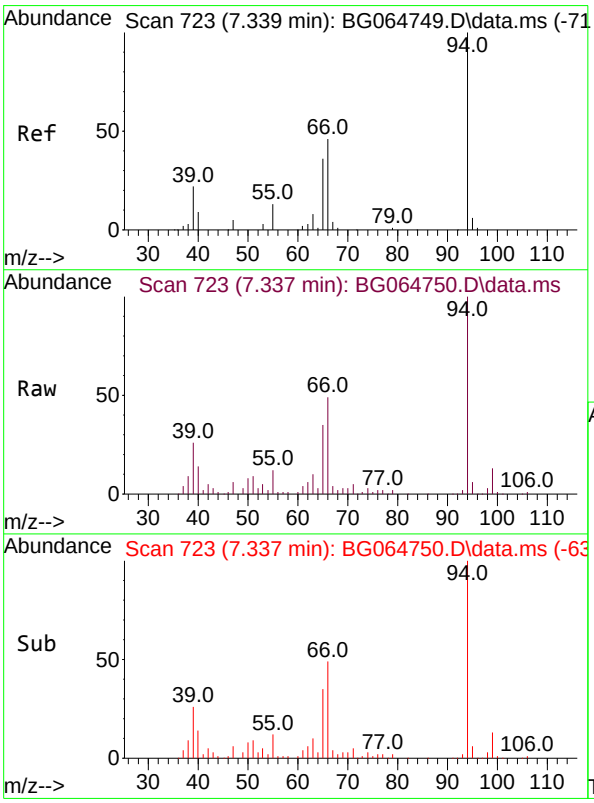
Ion	Ratio	Lower	Upper
77	100		
105	98.7	83.8	123.8
106	89.4	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

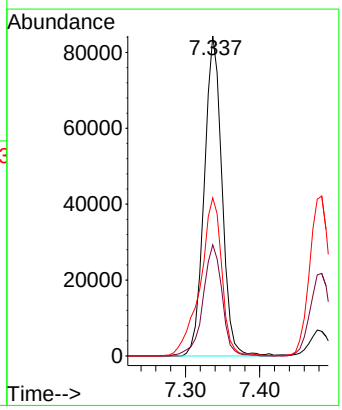
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

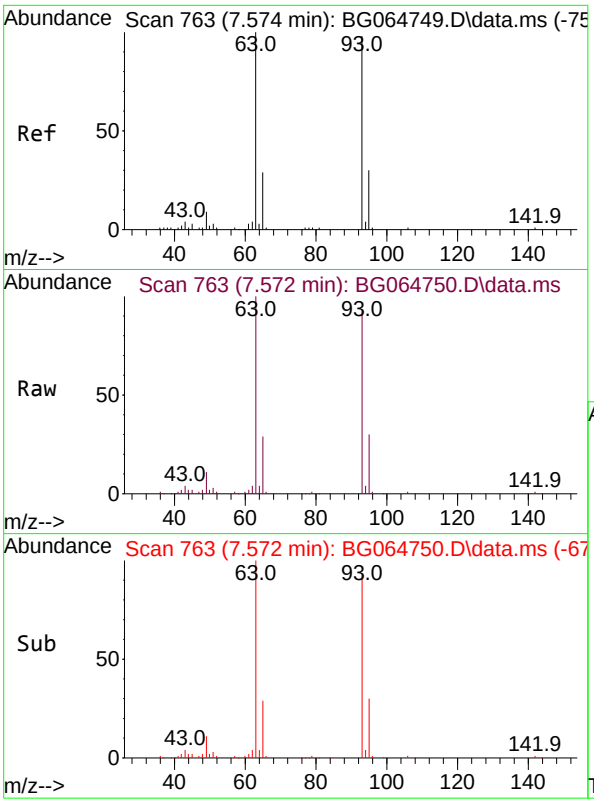


#10
Phenol
Concen: 53.508 ng
RT: 7.337 min Scan# 723
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 94 Resp: 139673

Ion	Ratio	Lower	Upper
94	100		
65	34.7	17.0	57.0
66	49.4	29.8	69.8

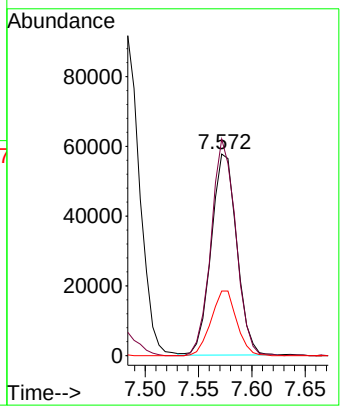




#11
bis(2-Chloroethyl)ether
Concen: 51.898 ng
RT: 7.572 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 9639

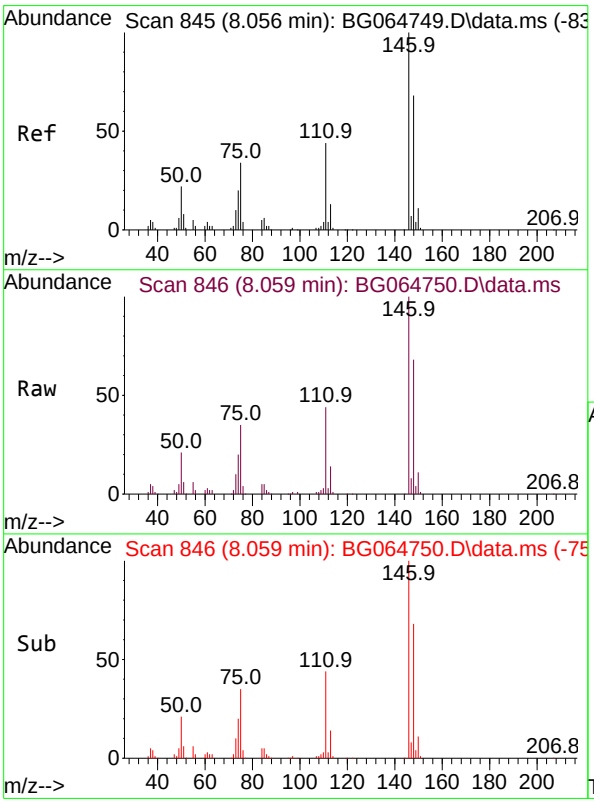
Ion	Ratio	Lower	Upper
93	100		
63	107.5	81.8	121.8
95	32.0	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

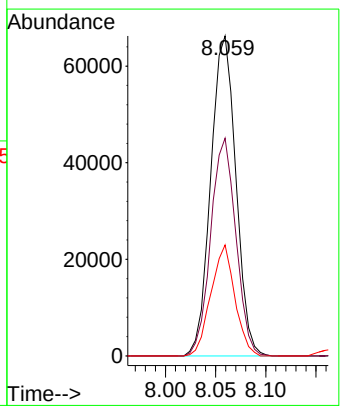
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

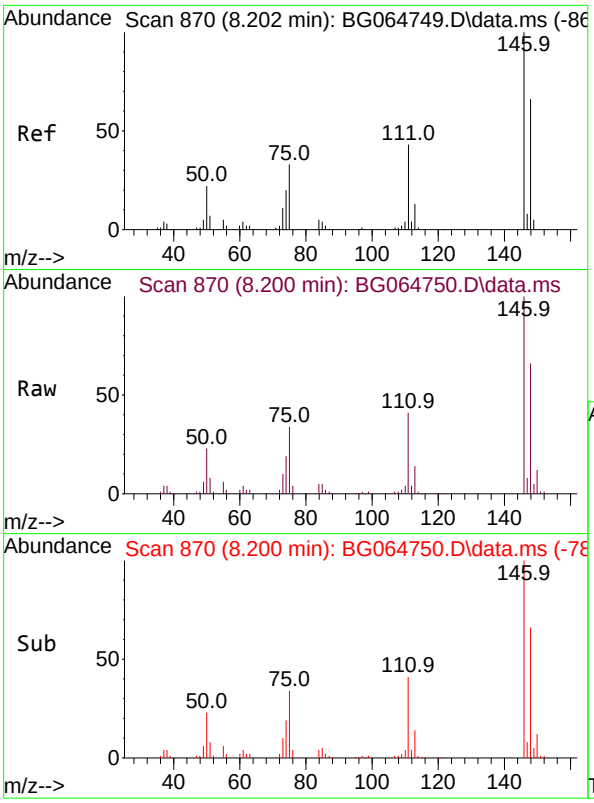


#12
1,3-Dichlorobenzene
Concen: 50.671 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 115482

Ion	Ratio	Lower	Upper
146	100		
148	68.0	54.6	82.0
75	34.7	27.6	41.4

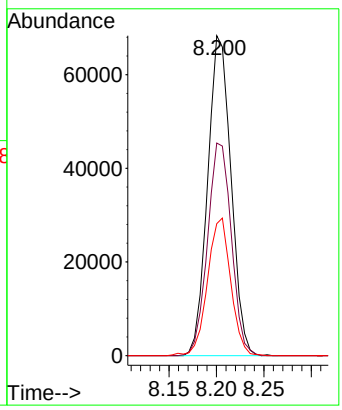




#13
1,4-Dichlorobenzene
Concen: 50.387 ng
RT: 8.200 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 11693

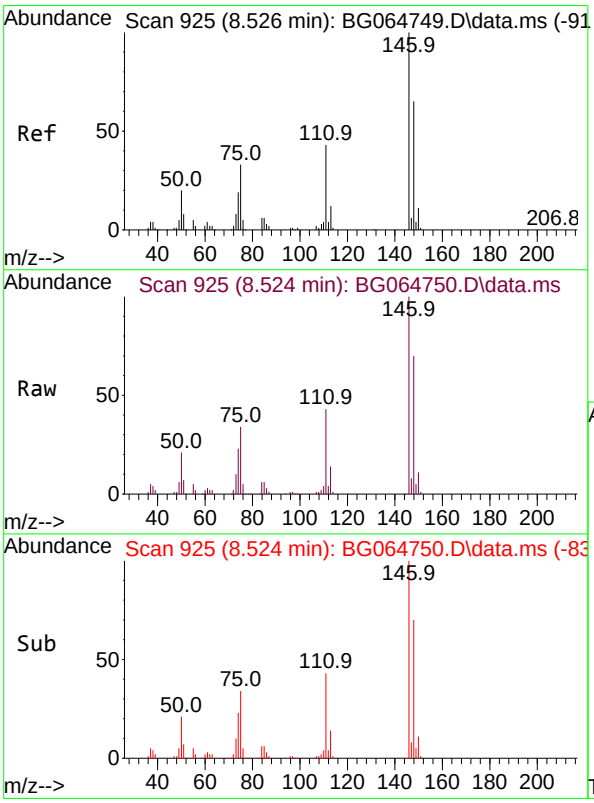
Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	41.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

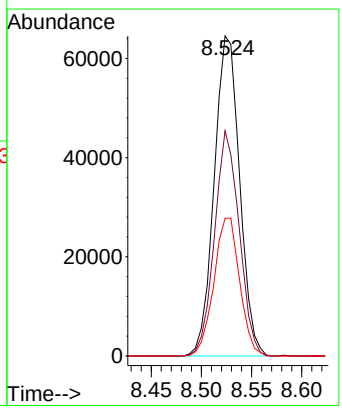
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

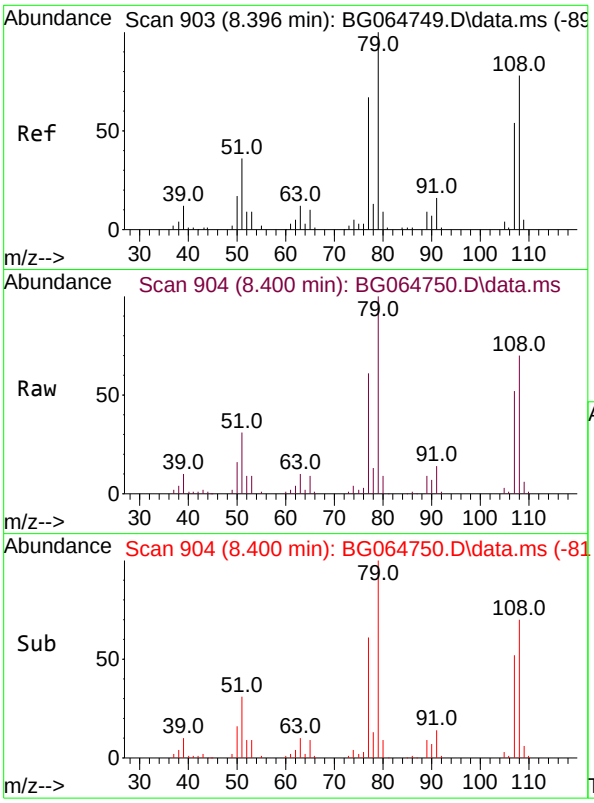


#14
1,2-Dichlorobenzene
Concen: 50.623 ng
RT: 8.524 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 113910

Ion	Ratio	Lower	Upper
146	100		
148	70.3	52.0	78.0
111	43.0	34.7	52.1

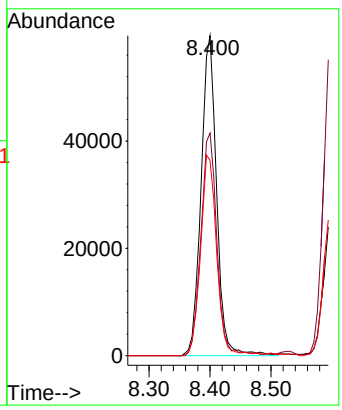




#15
Benzyl Alcohol
Concen: 53.506 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 79 Resp: 10536

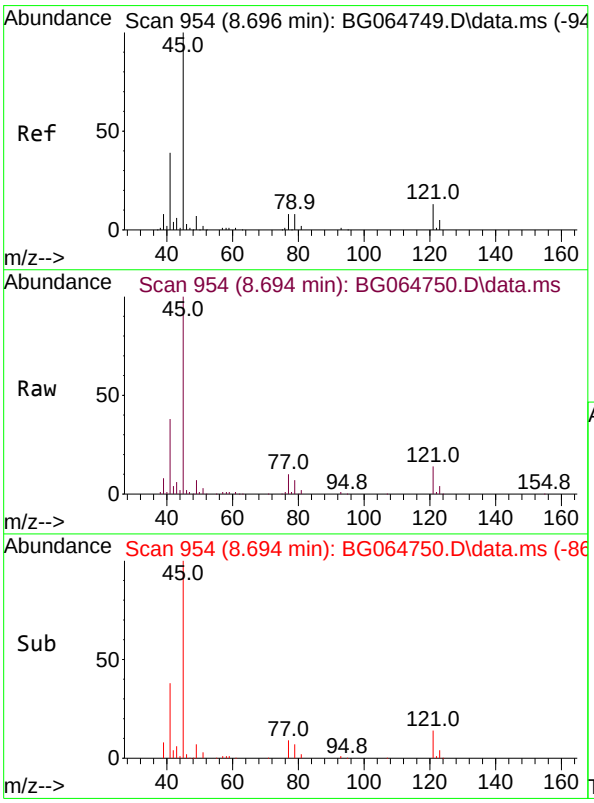
Ion	Ratio	Lower	Upper
79	100		
108	69.5	62.3	93.5
77	60.9	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

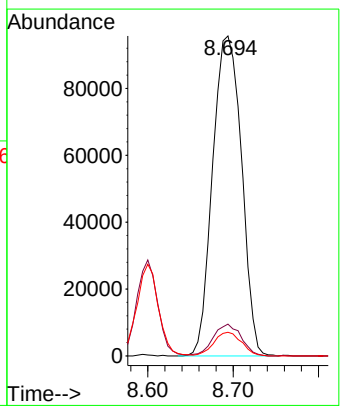
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

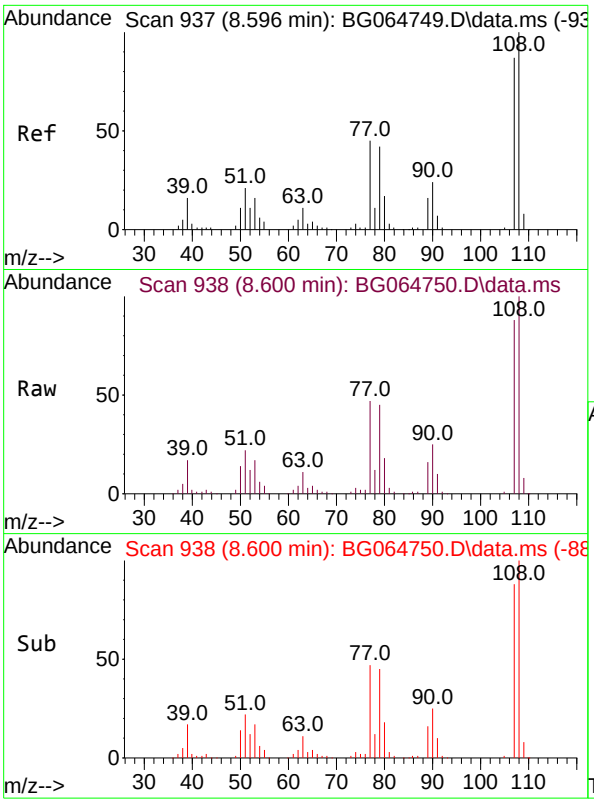


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.240 ng
RT: 8.694 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 45 Resp: 225281

Ion	Ratio	Lower	Upper
45	100		
77	9.9	0.0	28.8
79	7.4	0.0	28.1

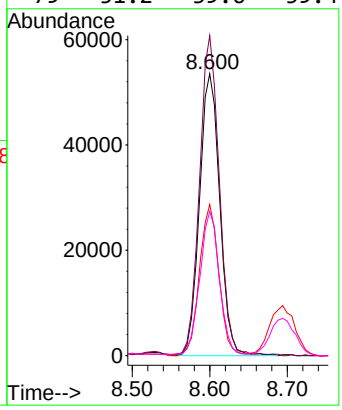




#17
2-Methylphenol
Concen: 52.602 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 9715

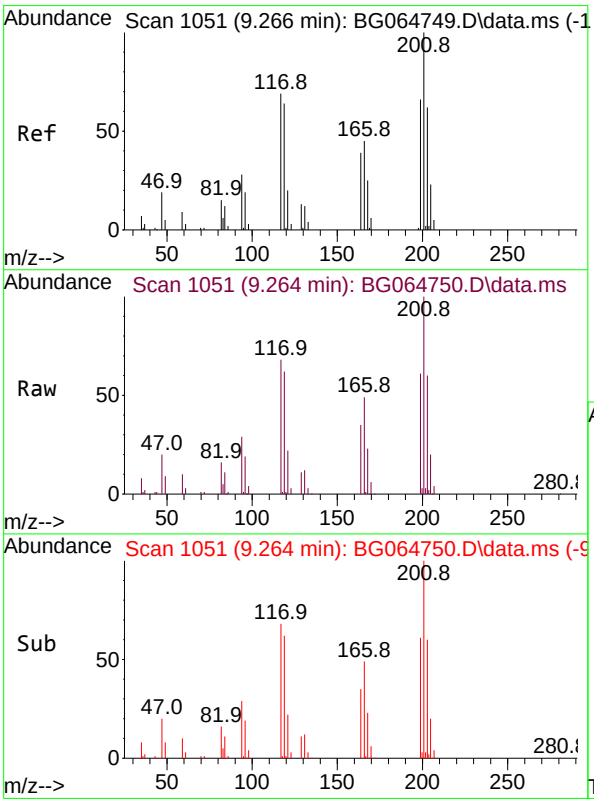
Ion	Ratio	Lower	Upper
107	100		
108	113.6	92.6	138.8
77	53.6	41.2	61.8
79	51.2	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

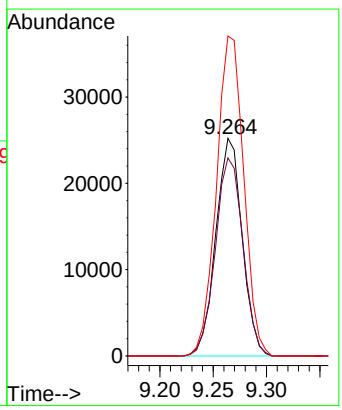
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

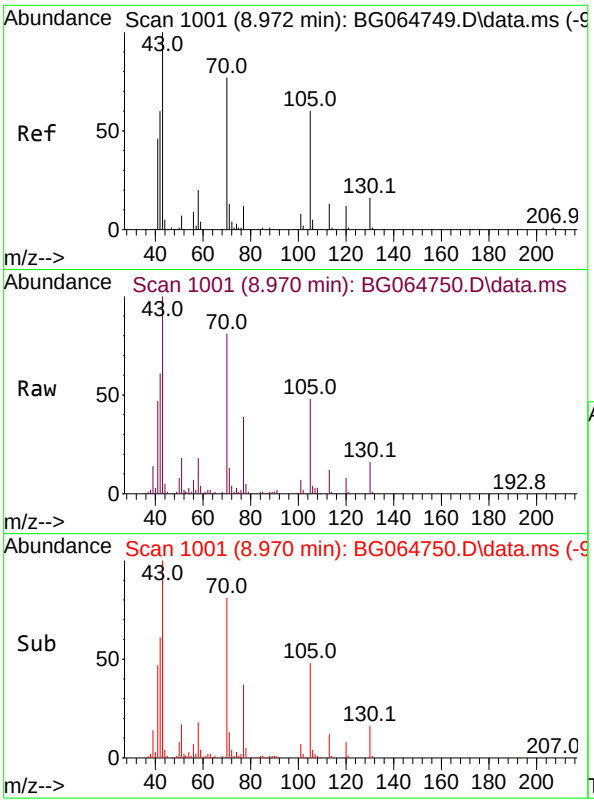


#18
Hexachloroethane
Concen: 49.245 ng
RT: 9.264 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:117 Resp: 43284

Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.4	111.6
201	144.6	116.5	174.7

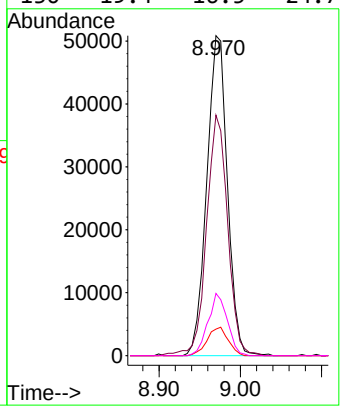




#19
n-Nitroso-di-n-propylamine
Concen: 55.264 ng
RT: 8.970 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 70 Resp: 8964

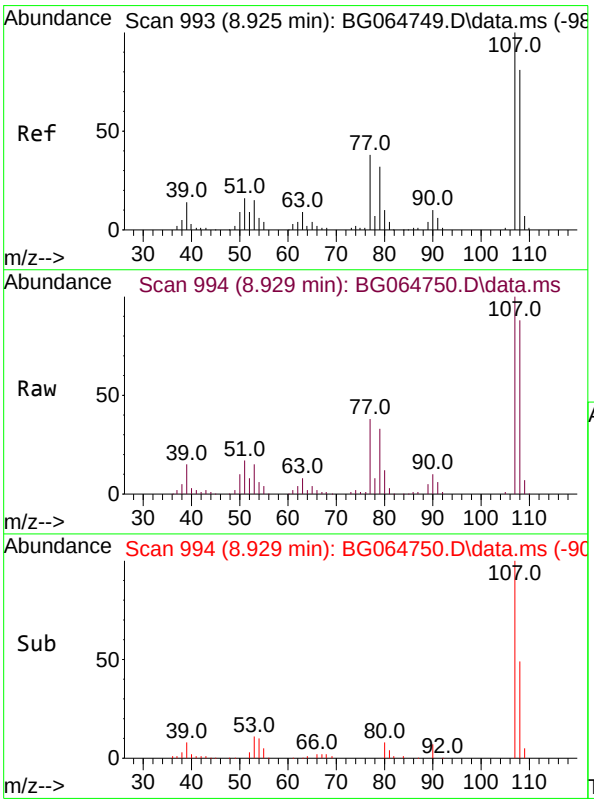
Ion	Ratio	Lower	Upper
70	100		
42	75.1	62.6	93.8
101	8.3	8.0	12.0
130	19.4	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

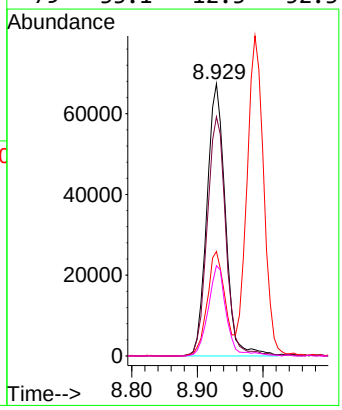
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

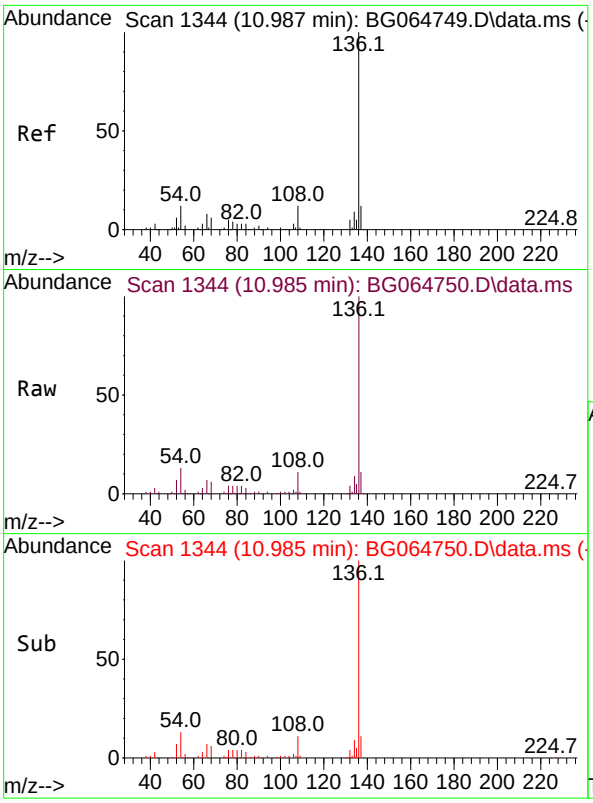


#20
3+4-Methylphenols
Concen: 51.964 ng
RT: 8.929 min Scan# 994
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 131483

Ion	Ratio	Lower	Upper
107	100		
108	87.9	61.0	101.0
77	38.3	17.6	57.6
79	33.1	12.3	52.3

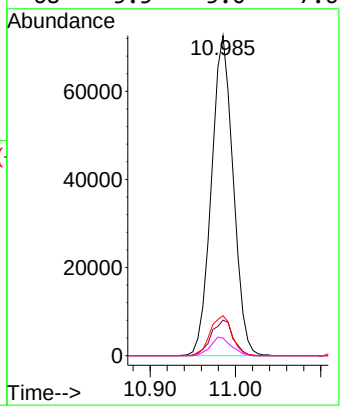




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:136 Resp: 12856

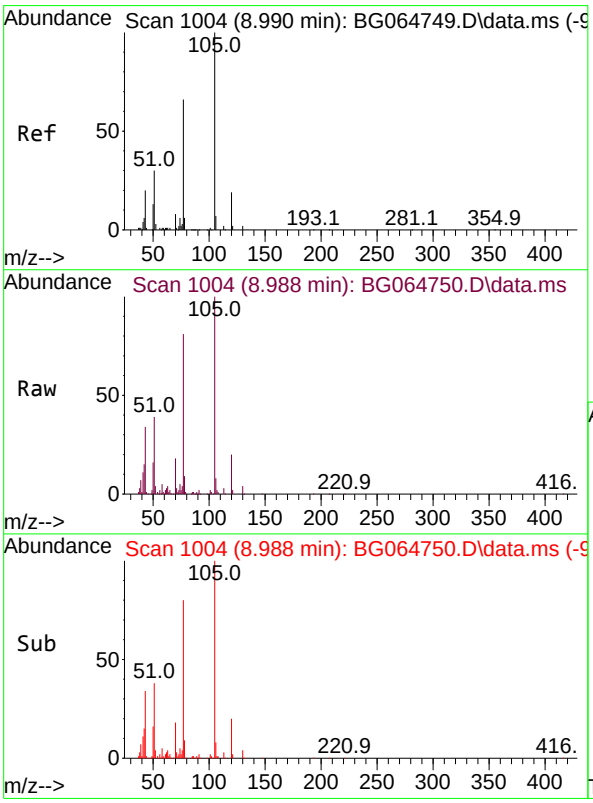
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	12.5	9.3	13.9
68	5.5	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

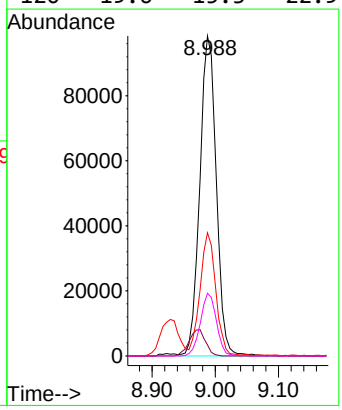
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

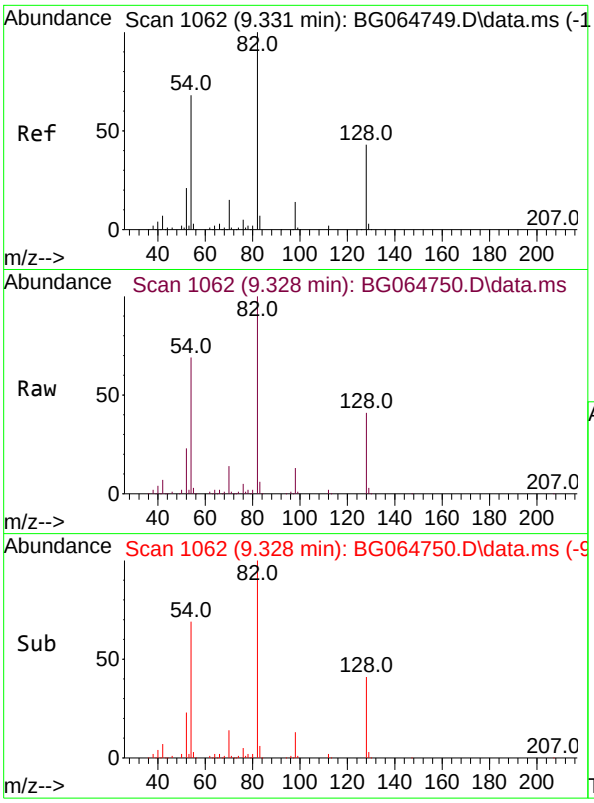


#22
Acetophenone
Concen: 50.911 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:105 Resp: 178320

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.3	1.9#
51	38.5	27.9	41.9
120	19.6	15.3	22.9

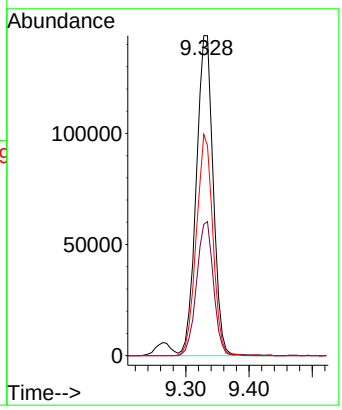




#23
Nitrobenzene-d5
Concen: 102.828 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 82 Resp: 26737

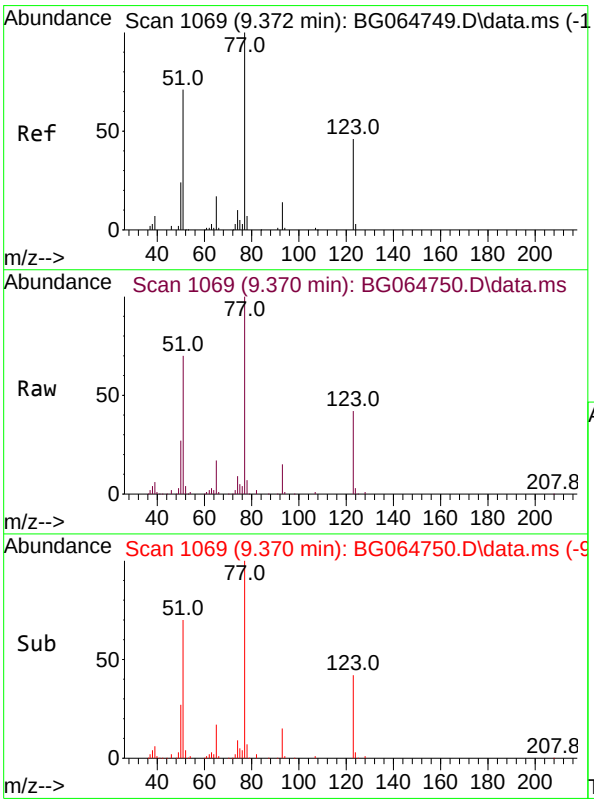
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.1	51.1
54	69.1	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

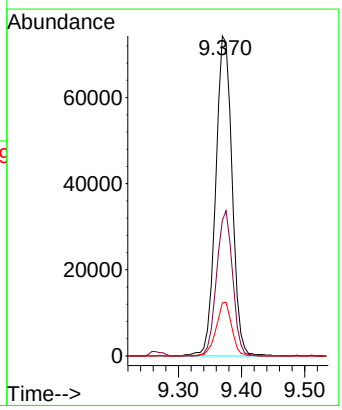
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

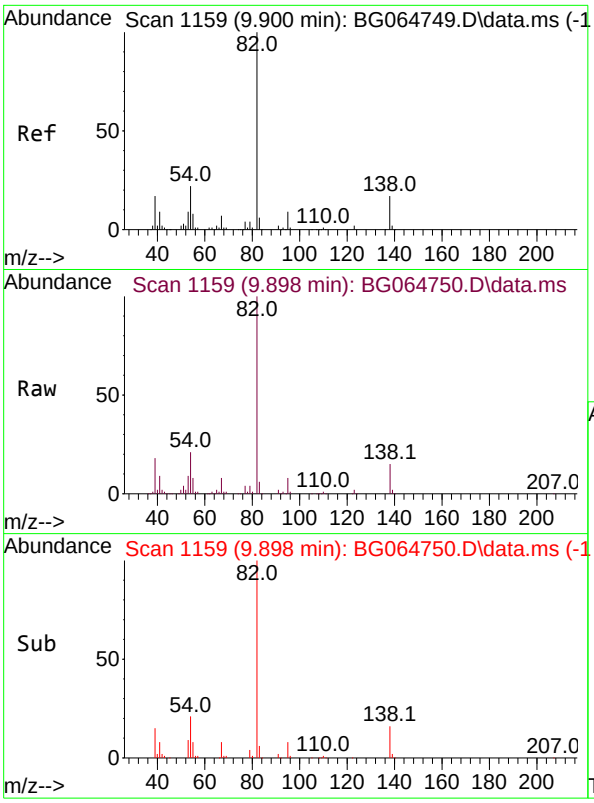


#24
Nitrobenzene
Concen: 50.970 ng
RT: 9.370 min Scan# 1069
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 133911

Ion	Ratio	Lower	Upper
77	100		
123	42.3	36.5	54.7
65	16.6	13.5	20.3

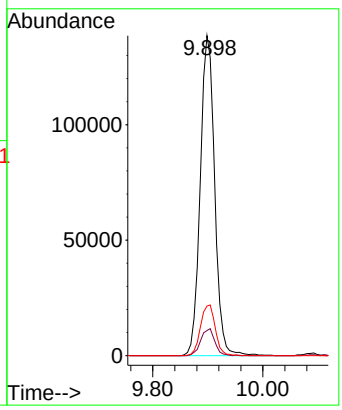




#25
Isophorone
Concen: 50.959 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 82 Resp: 25233

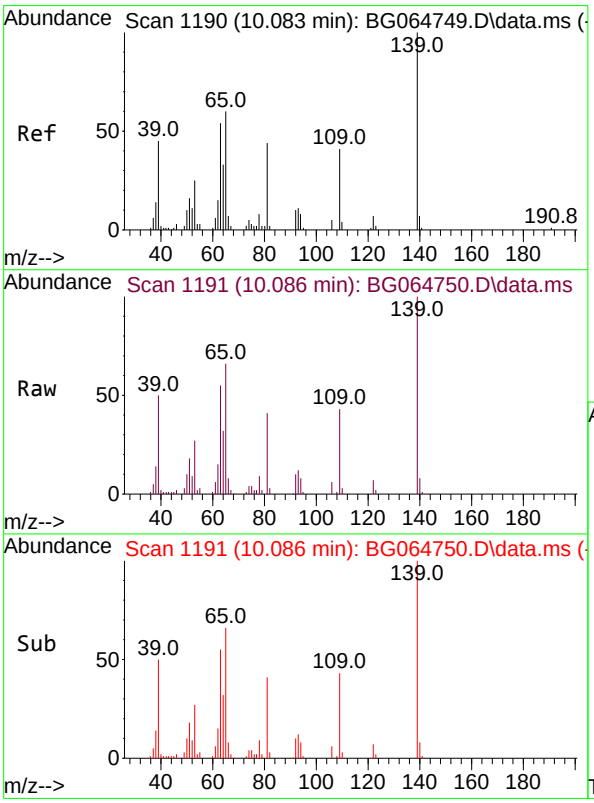
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.9	10.3
138	15.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

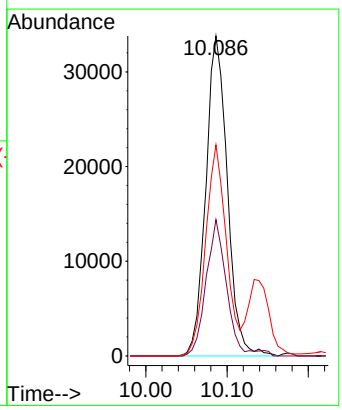
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

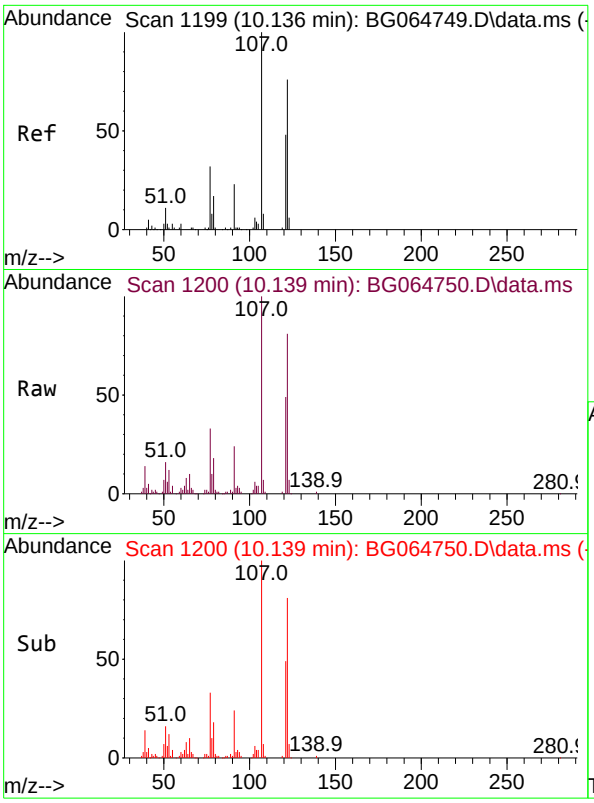


#26
2-Nitrophenol
Concen: 52.701 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:139 Resp: 62279

Ion	Ratio	Lower	Upper
139	100		
109	42.6	32.5	48.7
65	65.9	47.6	71.4

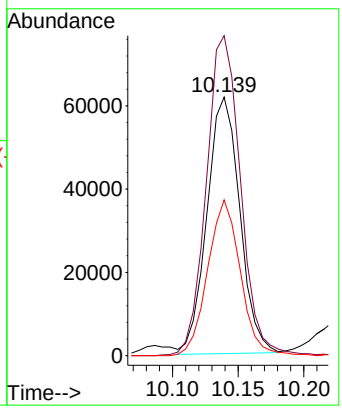




#27
2,4-Dimethylphenol
Concen: 51.169 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:122 Resp: 10742

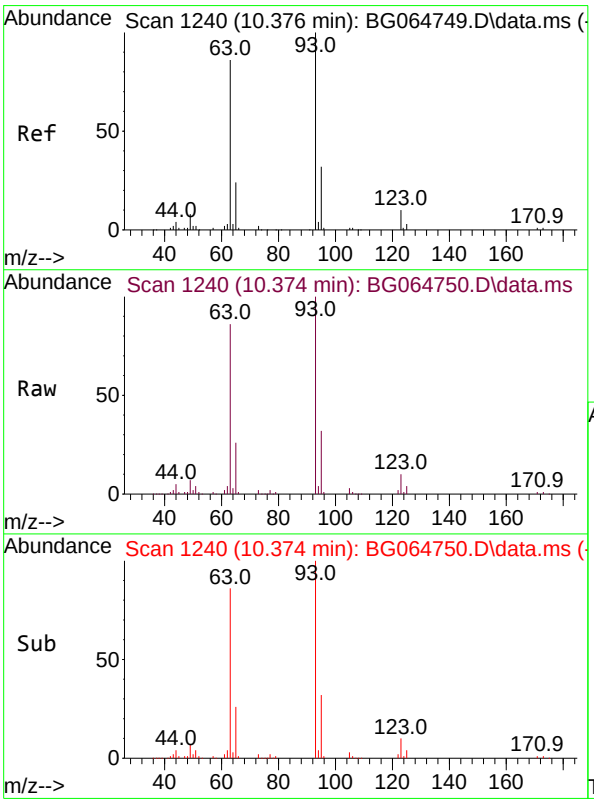
Ion	Ratio	Lower	Upper
122	100		
107	123.8	102.5	153.7
121	60.3	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

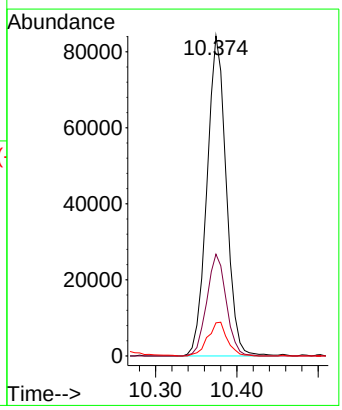
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

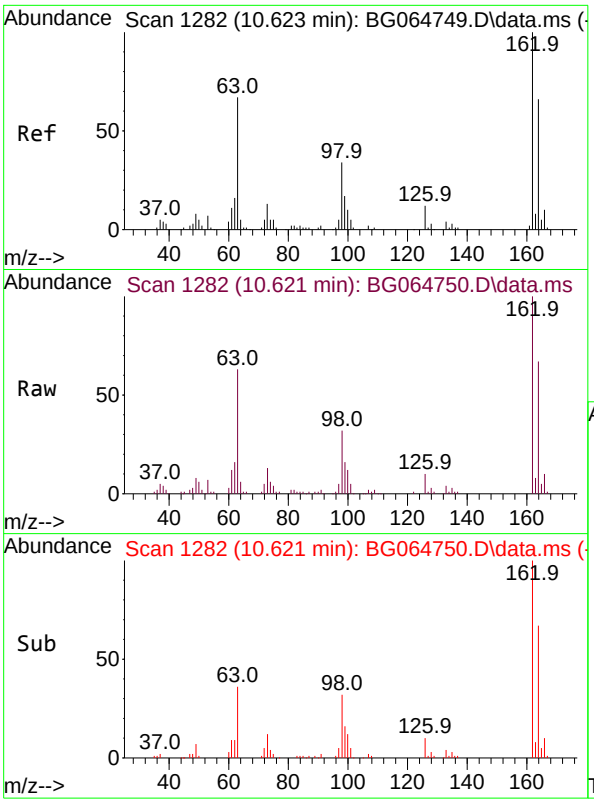


#28
bis(2-Chloroethoxy)methane
Concen: 51.040 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 138748

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.3	8.1	12.1

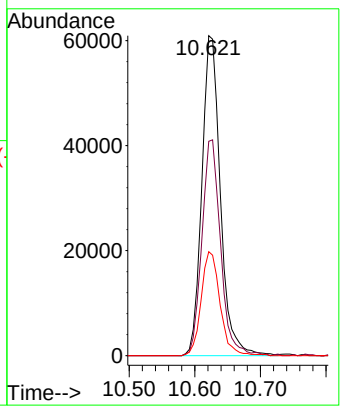




#29
2,4-Dichlorophenol
Concen: 52.879 ng
RT: 10.621 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:162 Resp: 11918

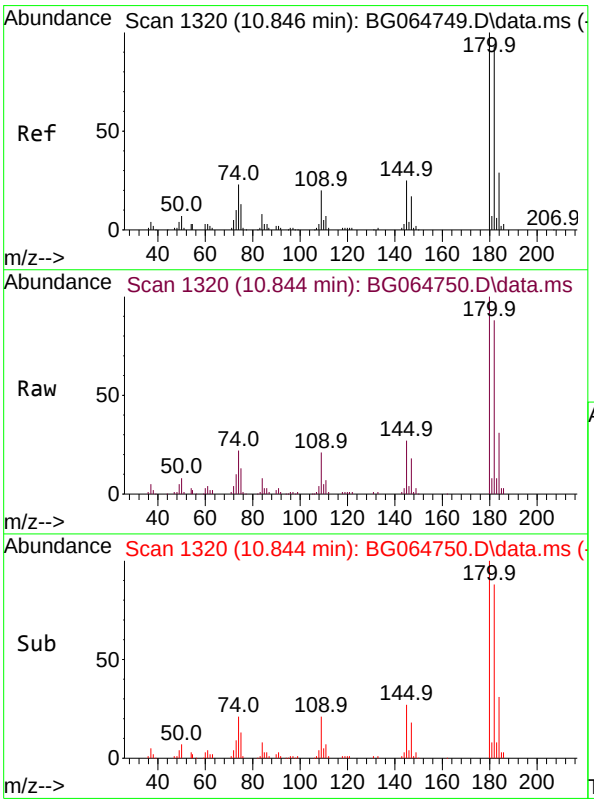
Ion	Ratio	Lower	Upper
162	100		
164	67.0	46.0	86.0
98	32.5	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

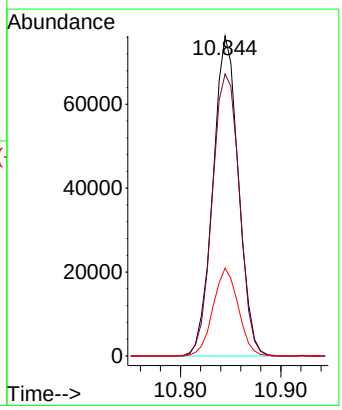
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

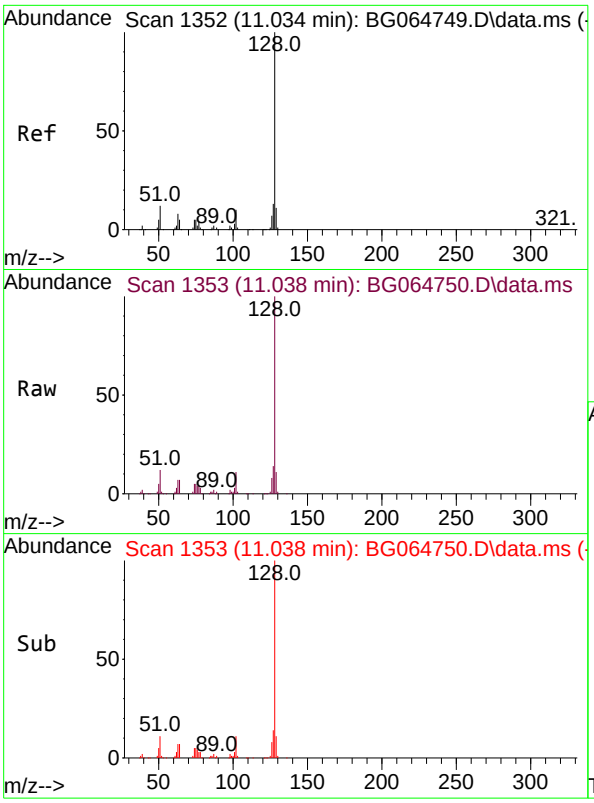


#30
1,2,4-Trichlorobenzene
Concen: 49.384 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:180 Resp: 134410

Ion	Ratio	Lower	Upper
180	100		
182	88.1	74.2	111.4
145	27.4	20.0	30.0

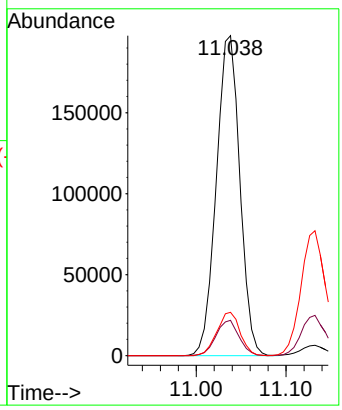




#31
Naphthalene
Concen: 49.504 ng
RT: 11.038 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:128 Resp: 360779

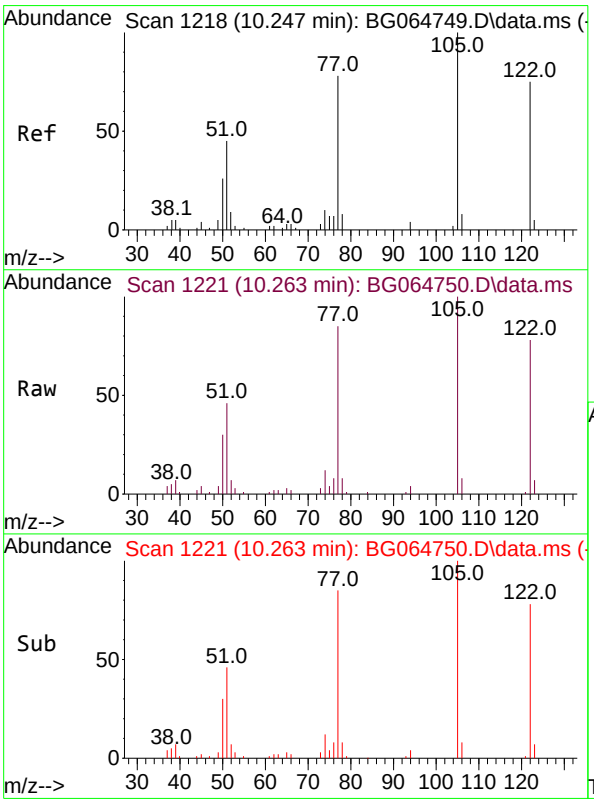
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.5	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

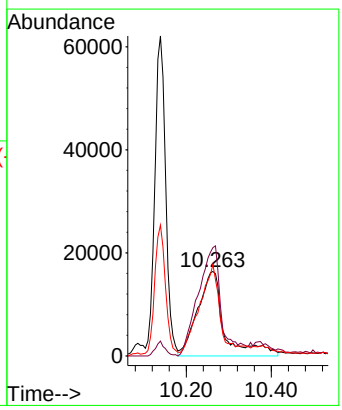
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

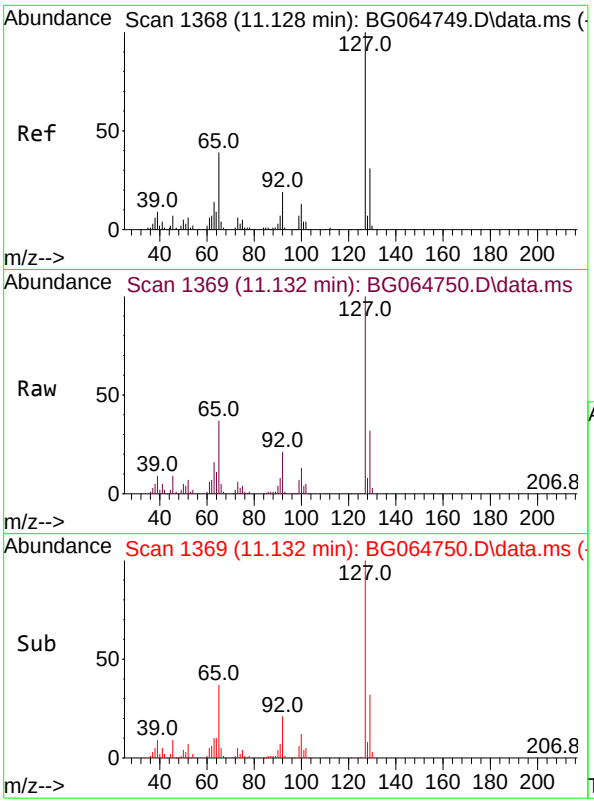


#32
Benzoic acid
Concen: 47.913 ng m
RT: 10.263 min Scan# 1221
Delta R.T. 0.016 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:122 Resp: 71126

Ion	Ratio	Lower	Upper
122	100		
105	128.2	107.6	147.6
77	108.4	82.5	122.5

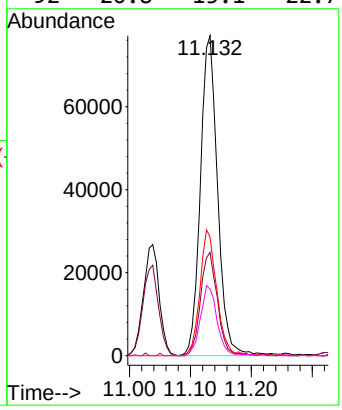




#33
4-Chloroaniline
Concen: 52.089 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:127 Resp: 15185

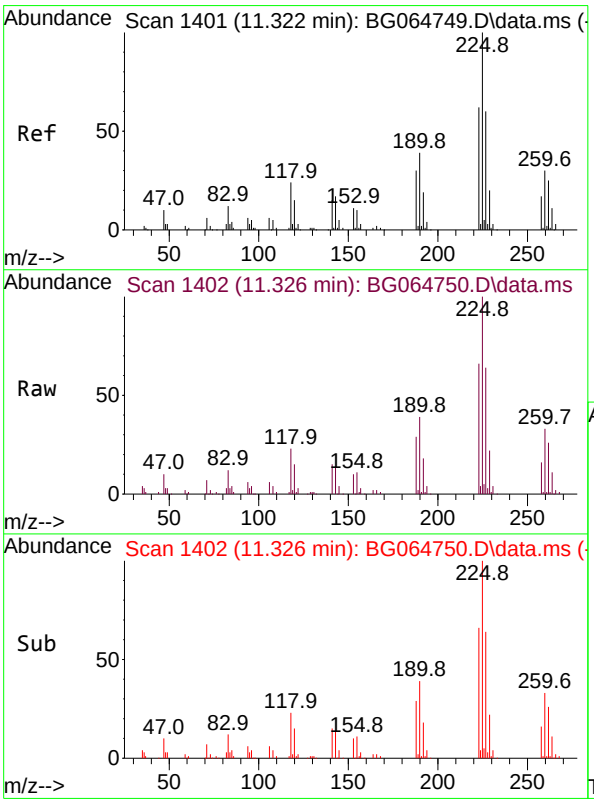
Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	37.1	30.9	46.3
92	20.8	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

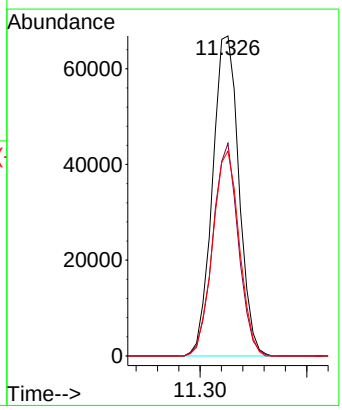
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

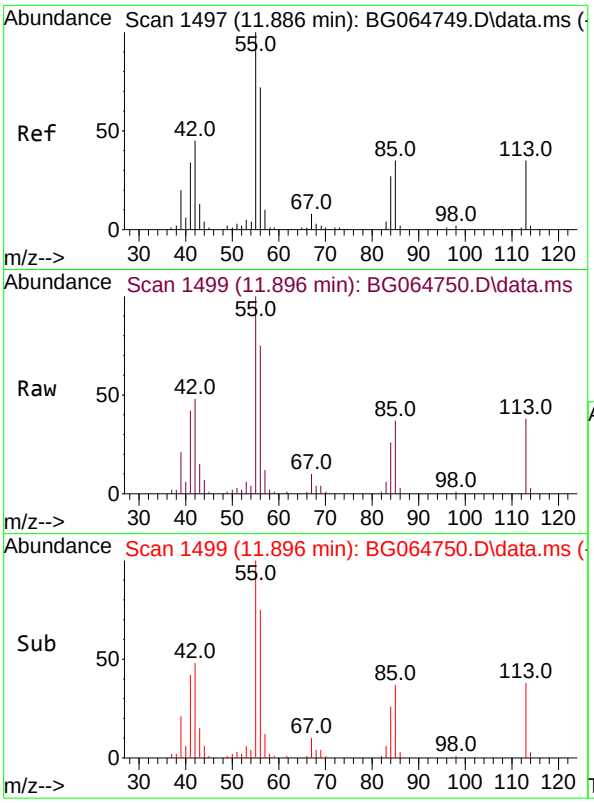


#34
Hexachlorobutadiene
Concen: 49.215 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:225 Resp: 114930

Ion	Ratio	Lower	Upper
225	100		
223	67.1	49.9	74.9
227	63.9	50.6	75.8





#35
Caprolactam
Concen: 54.473 ng
RT: 11.896 min Scan# 14
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

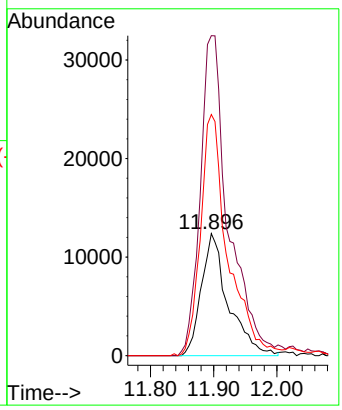
Tgt Ion:113 Resp: 3669

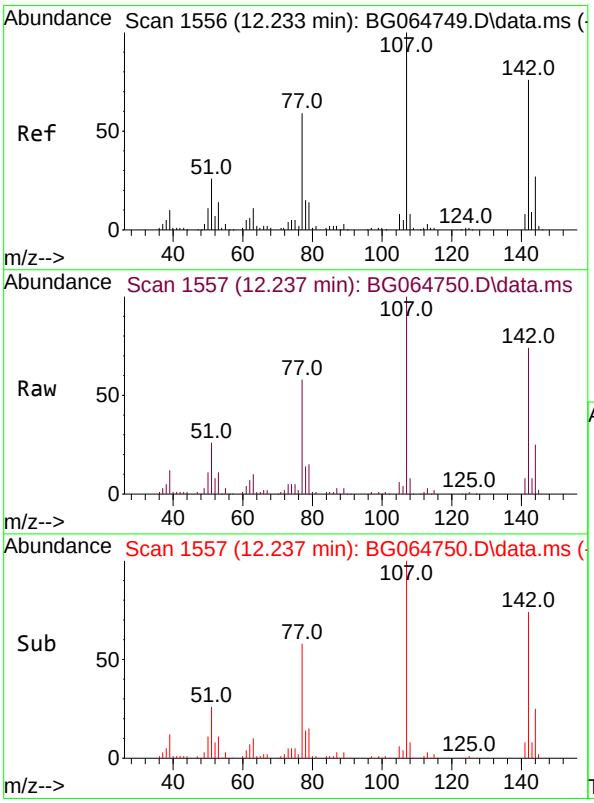
Ion	Ratio	Lower	Upper
113	100		
55	262.3	263.7	303.7#
56	197.6	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

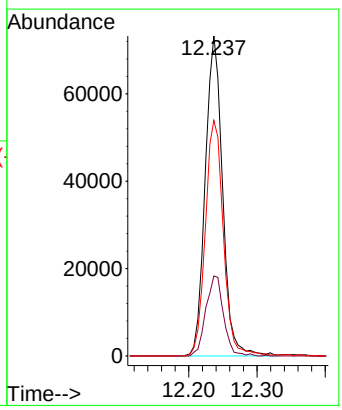


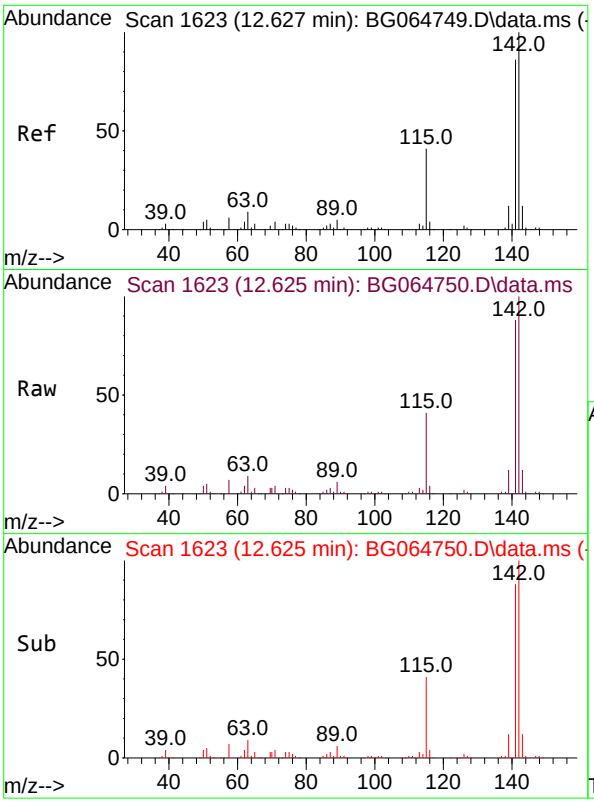


#36
4-Chloro-3-methylphenol
Concen: 51.523 ng
RT: 12.237 min Scan# 1557
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 129260

Ion	Ratio	Lower	Upper
107	100		
144	25.0	21.7	32.5
142	73.6	60.8	91.2

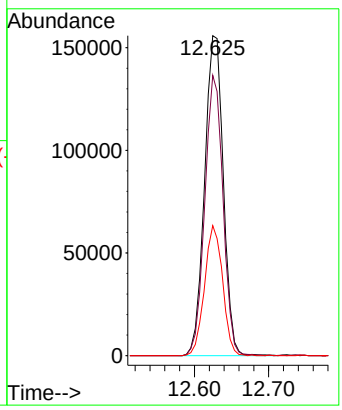




#37
2-Methylnaphthalene
Concen: 50.088 ng
RT: 12.625 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:142 Resp: 27316

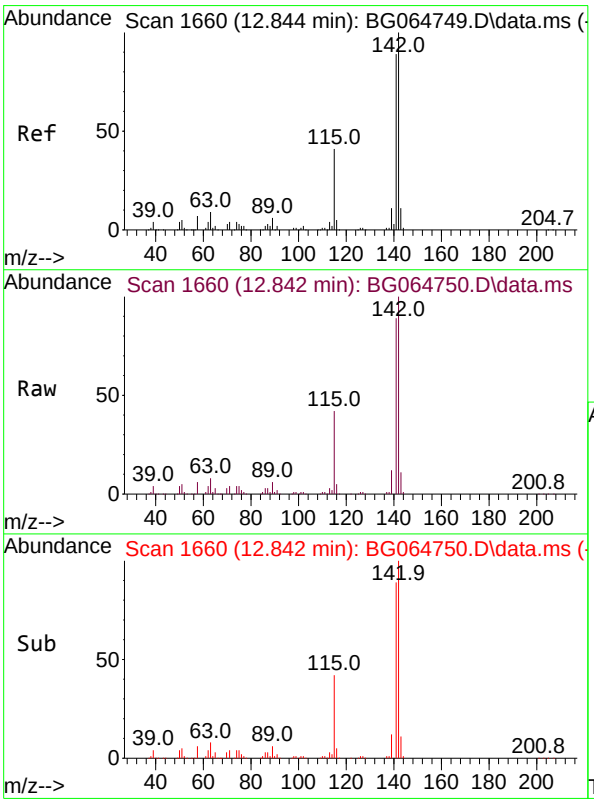
Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.1	103.7
115	40.6	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

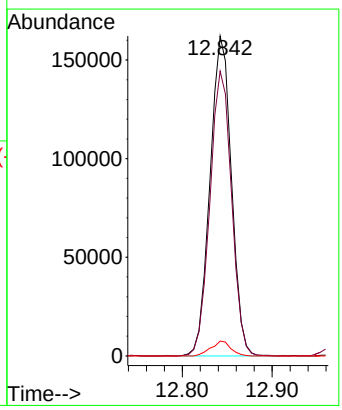
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

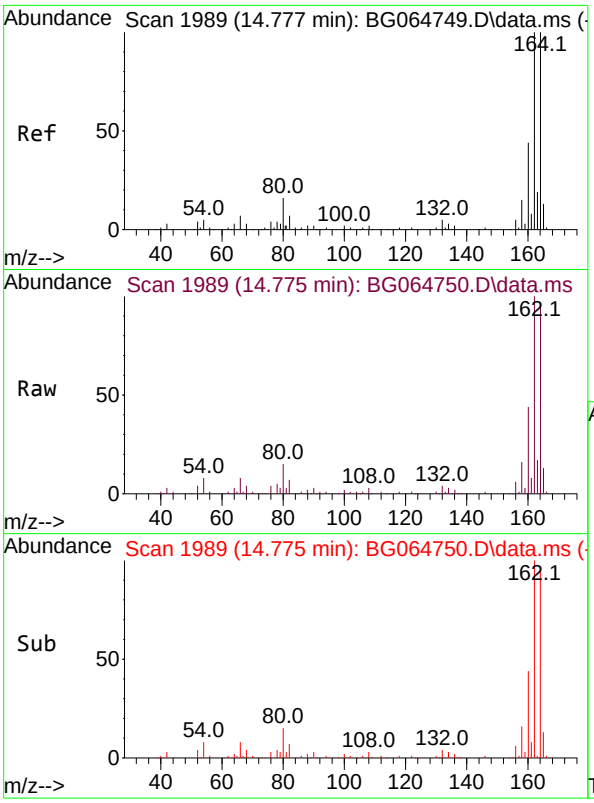


#38
1-Methylnaphthalene
Concen: 49.540 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:142 Resp: 268378

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
116	4.7	3.7	5.5

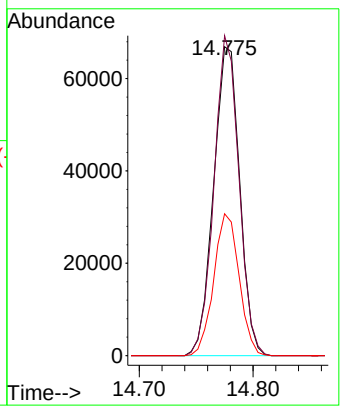




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:164 Resp: 10643

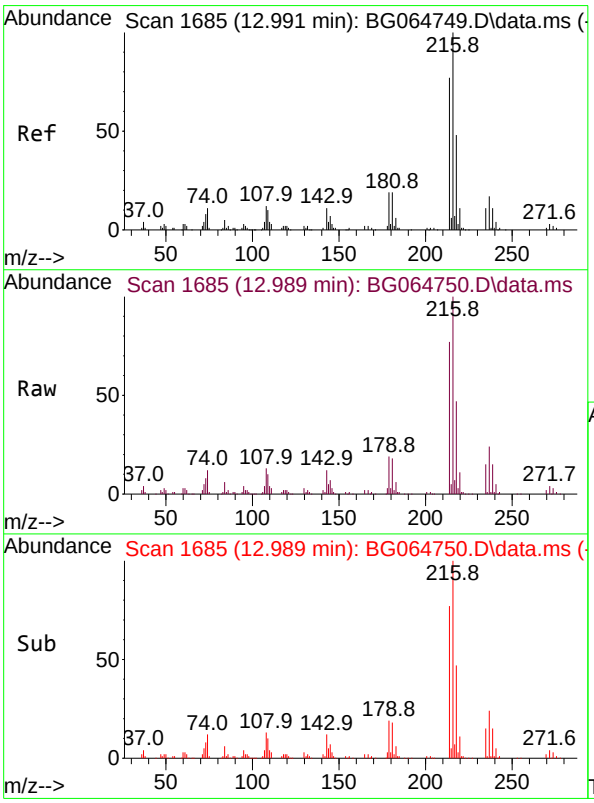
Ion	Ratio	Lower	Upper
164	100		
162	103.6	79.8	119.6
160	45.9	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

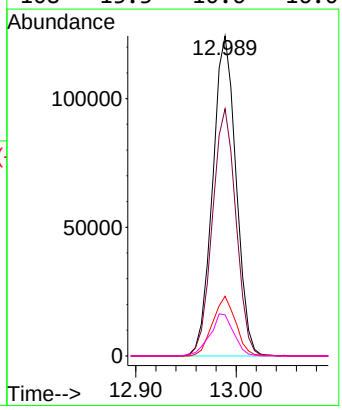
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

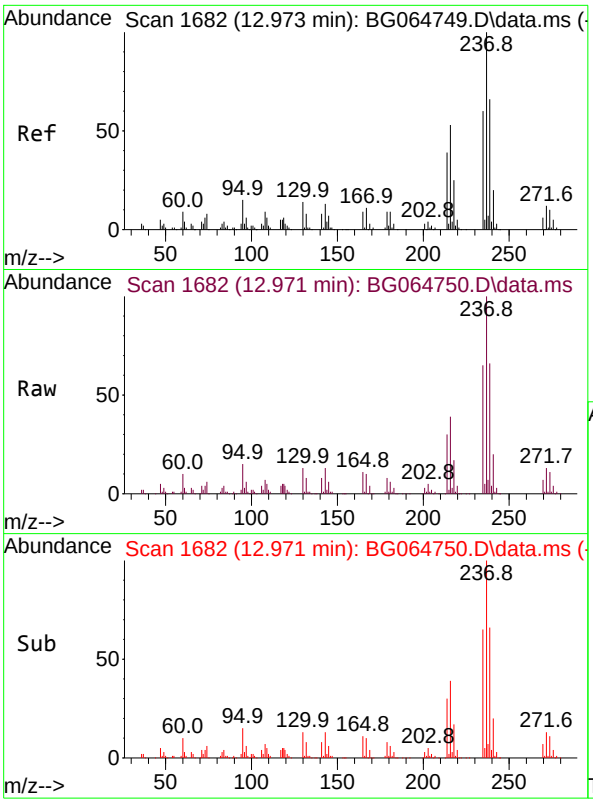


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.764 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:216 Resp: 201992

Ion	Ratio	Lower	Upper
216	100		
214	77.5	60.5	90.7
179	18.3	14.7	22.1
108	13.3	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 49.948 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

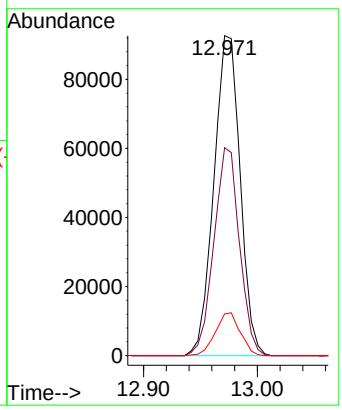
Tgt Ion:237 Resp: 14830

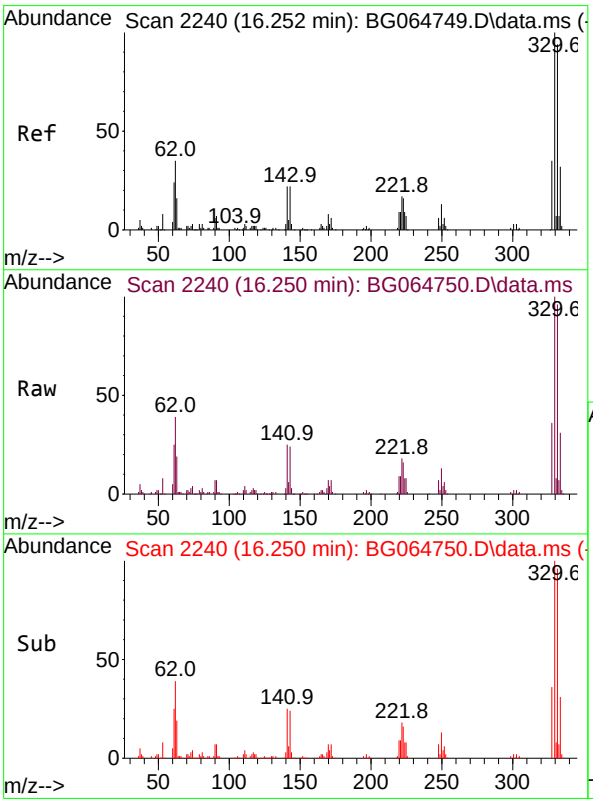
Ion	Ratio	Lower	Upper
237	100		
235	65.0	40.2	80.2
272	13.0	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

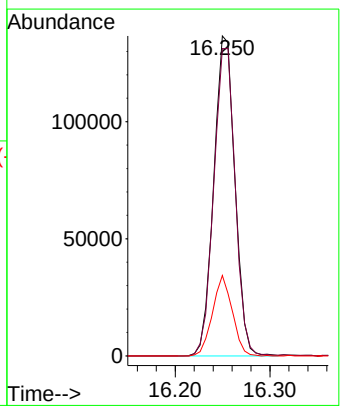


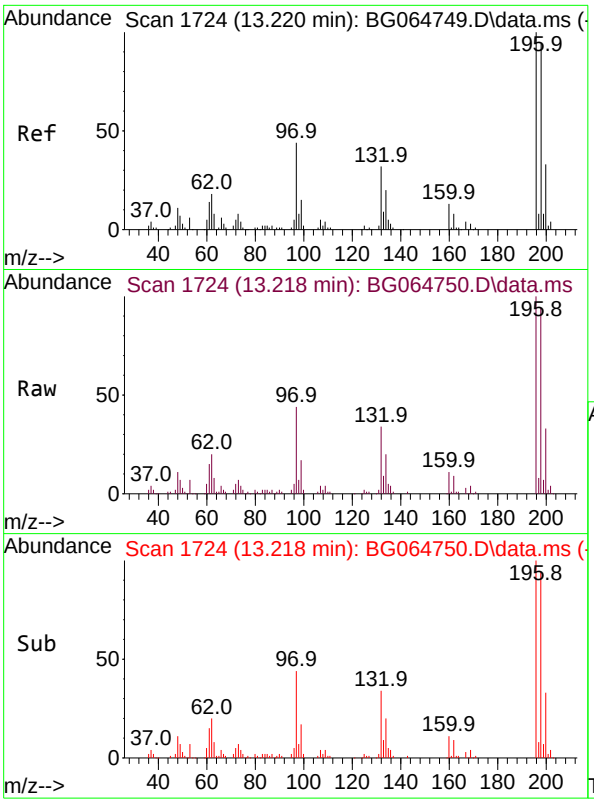


#42
2,4,6-Tribromophenol
Concen: 101.964 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:330 Resp: 211663

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	23.5	18.2	27.2

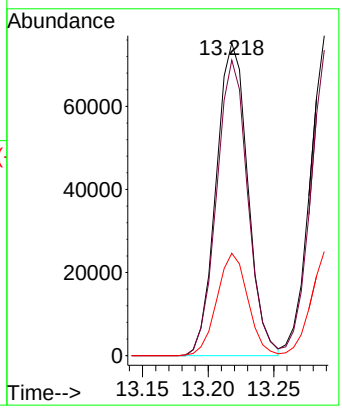




#43
2,4,6-Trichlorophenol
Concen: 51.912 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:196 Resp: 12620

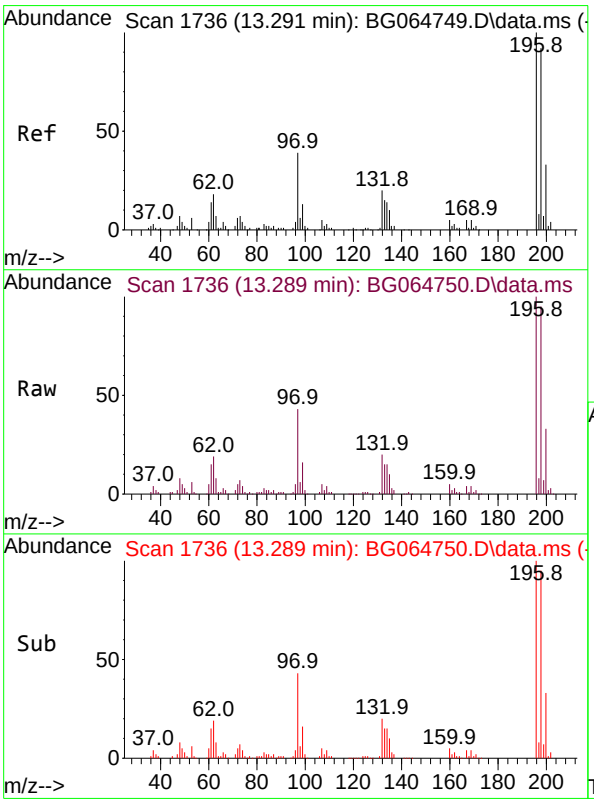
Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.3	112.9
200	32.7	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

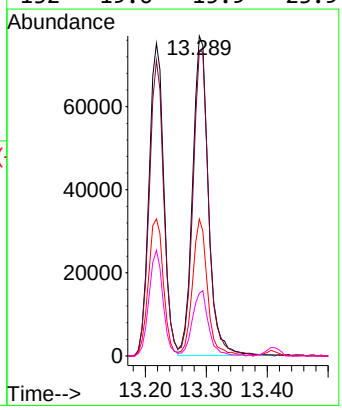
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

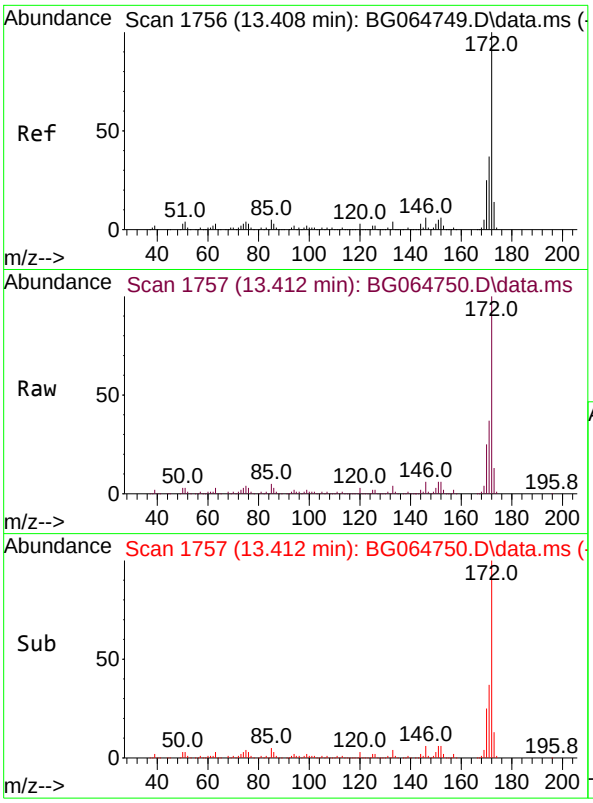


#44
2,4,5-Trichlorophenol
Concen: 50.724 ng
RT: 13.289 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:196 Resp: 138309

Ion	Ratio	Lower	Upper
196	100		
198	95.5	73.2	109.8
97	42.7	31.4	47.0
132	19.6	15.9	23.9

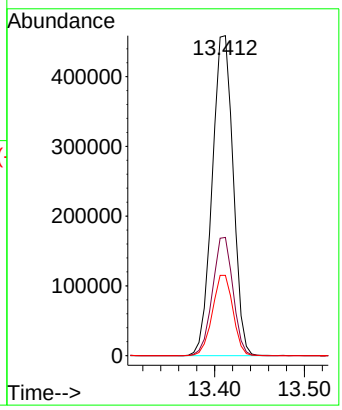




#45
2-Fluorobiphenyl
Concen: 97.652 ng
RT: 13.412 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:172 Resp: 74490

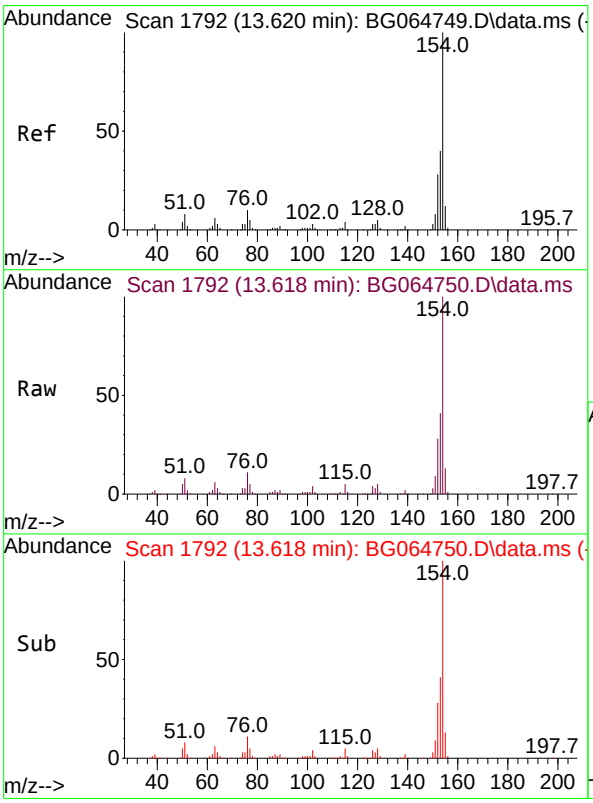
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.9	44.9
170	25.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

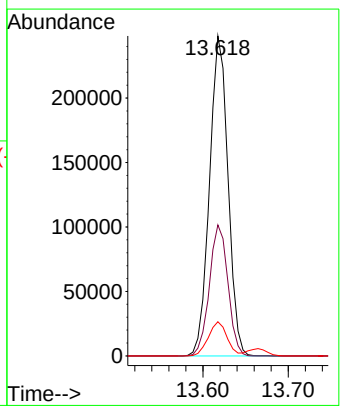
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

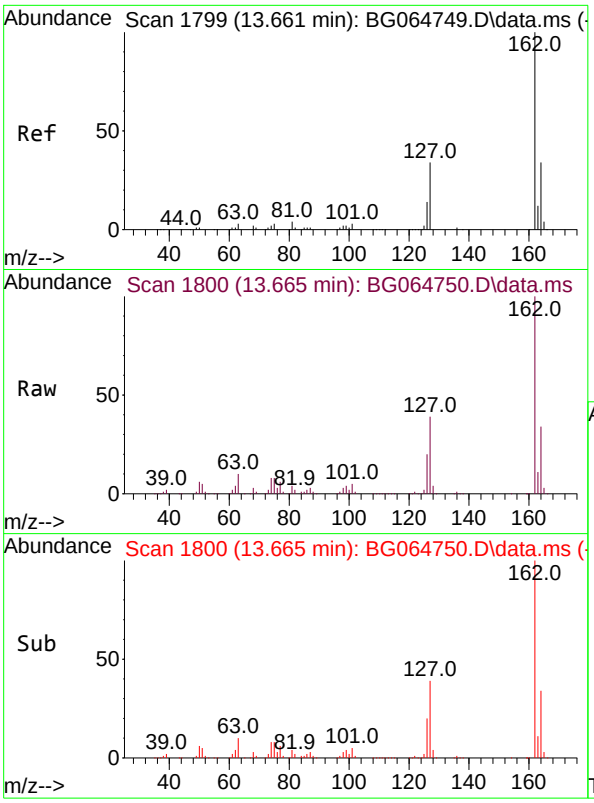


#46
1,1'-Biphenyl
Concen: 48.911 ng
RT: 13.618 min Scan# 1792
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:154 Resp: 373911

Ion	Ratio	Lower	Upper
154	100		
153	40.9	19.8	59.8
76	10.7	0.0	30.0

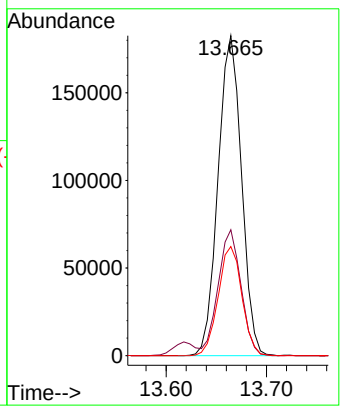




#47
2-Chloronaphthalene
Concen: 49.307 ng
RT: 13.665 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:162 Resp: 296964

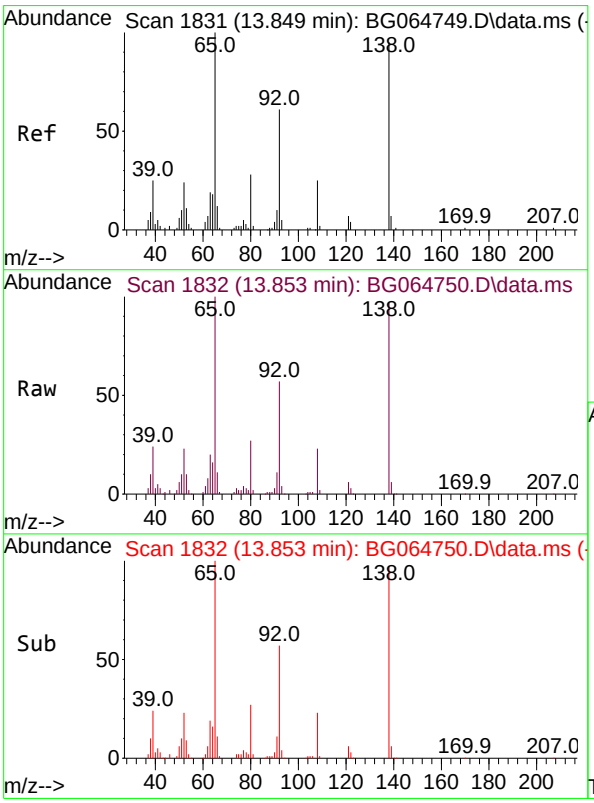
Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.3	45.5
164	34.1	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

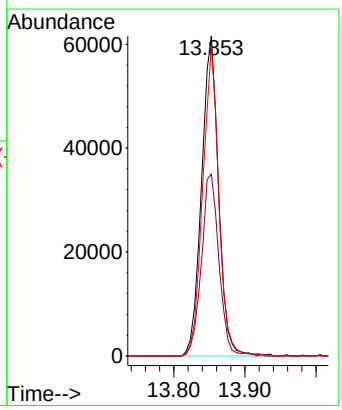
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

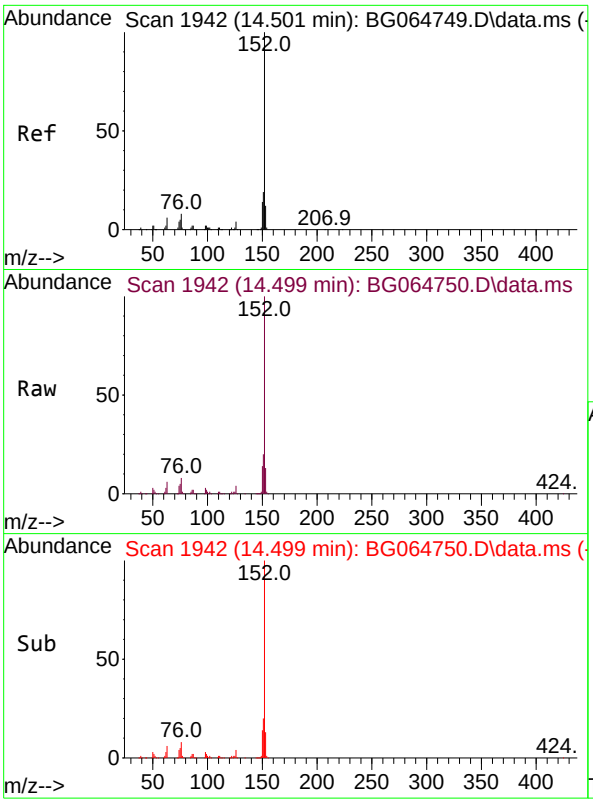


#48
2-Nitroaniline
Concen: 52.606 ng
RT: 13.853 min Scan# 1832
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 65 Resp: 101905

Ion	Ratio	Lower	Upper
65	100		
92	56.8	48.6	73.0
138	96.7	76.4	114.6

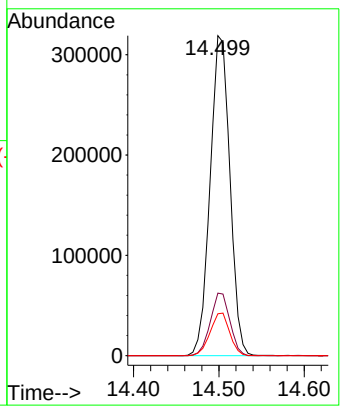




#49
Acenaphthylene
Concen: 49.951 ng
RT: 14.499 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:152 Resp: 51396

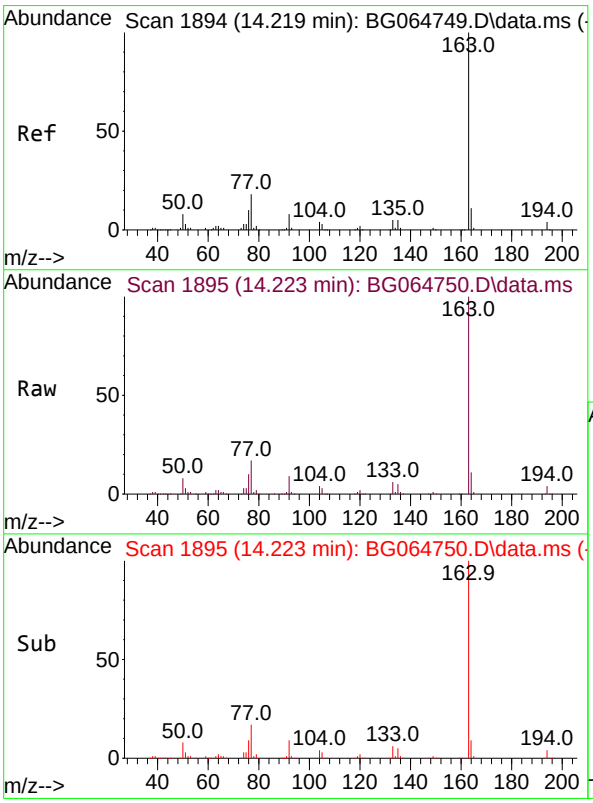
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.0	22.4
153	13.1	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

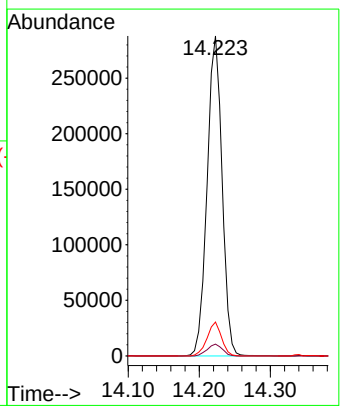
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

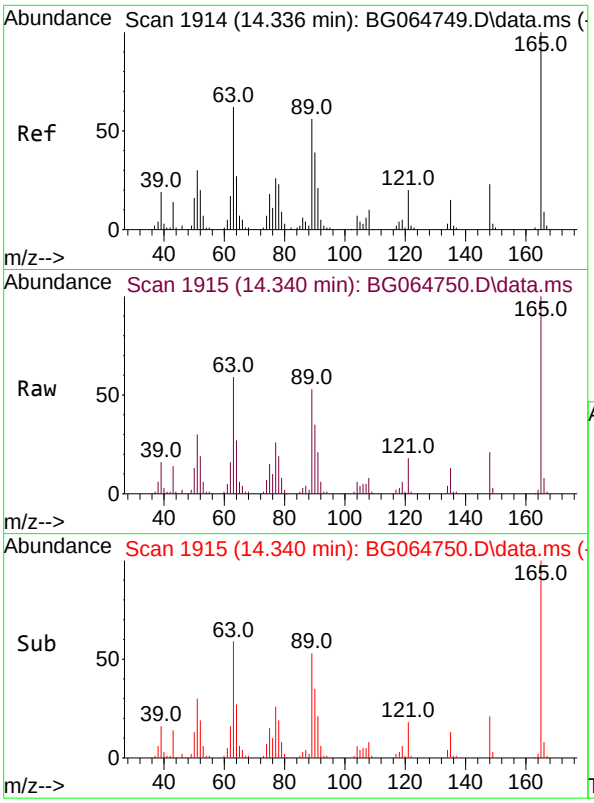


#50
Dimethylphthalate
Concen: 50.001 ng
RT: 14.223 min Scan# 1895
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:163 Resp: 420404

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.6	8.6	12.8

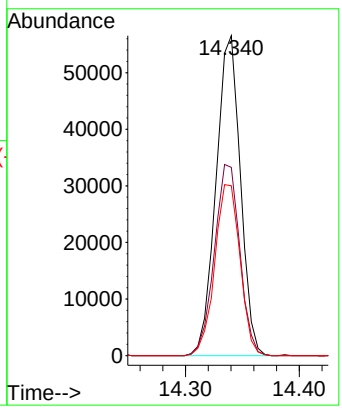




#51
2,6-Dinitrotoluene
Concen: 52.071 ng
RT: 14.340 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:165 Resp: 8424

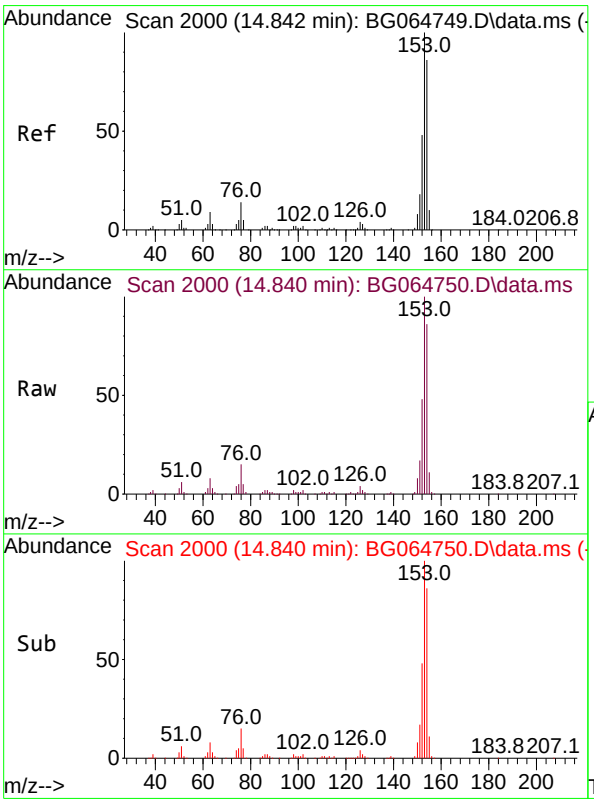
Ion	Ratio	Lower	Upper
165	100		
63	58.8	49.8	74.8
89	53.1	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

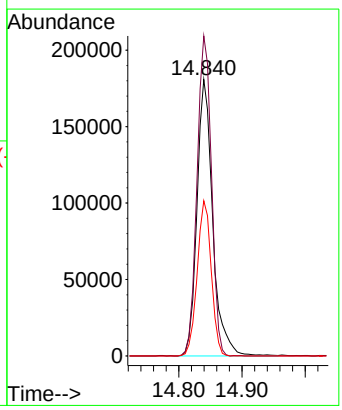
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

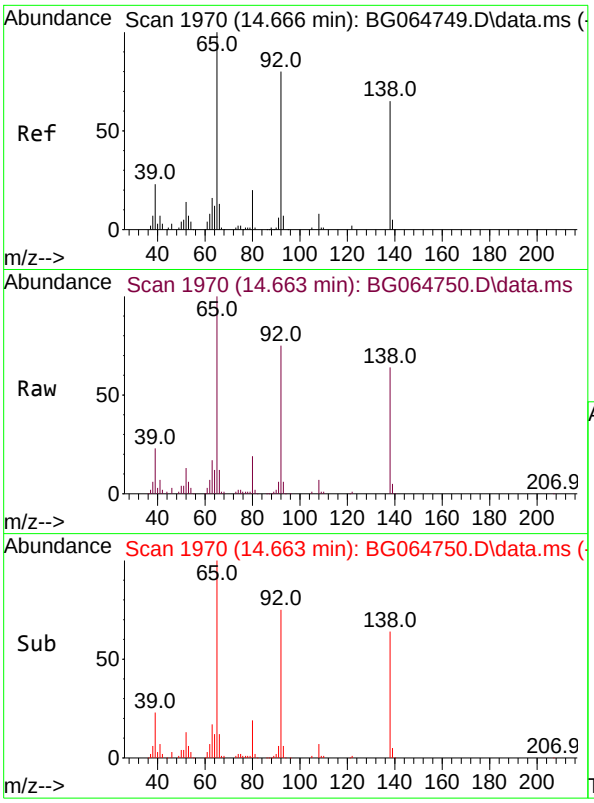


#52
Acenaphthene
Concen: 50.780 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:154 Resp: 313277

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.0	139.4
152	56.1	44.4	66.6





#53
3-Nitroaniline
Concen: 53.331 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

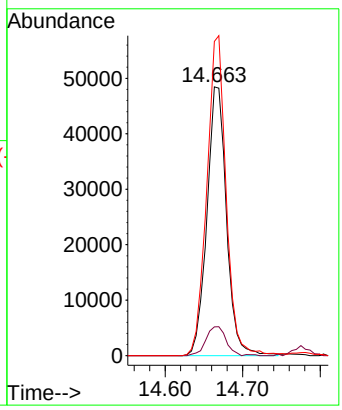
Tgt Ion:138 Resp: 85159

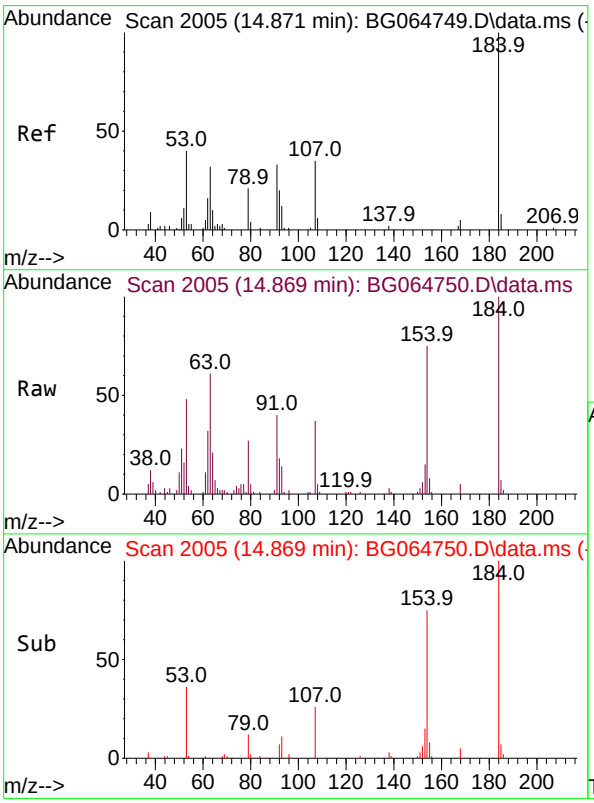
Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.5	14.3
92	116.9	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

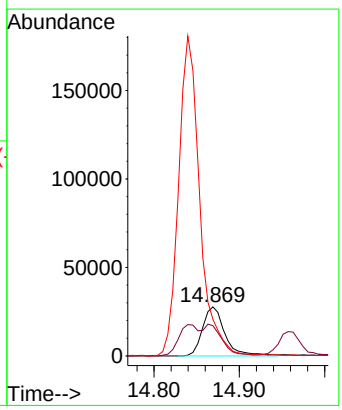


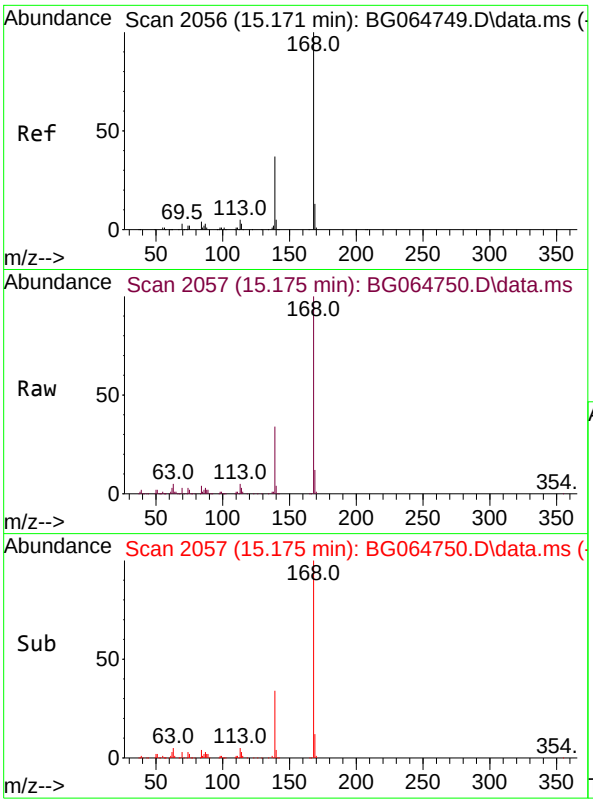


#54
2,4-Dinitrophenol
Concen: 48.998 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:184 Resp: 50173

Ion	Ratio	Lower	Upper
184	100		
63	61.3	45.8	68.6
154	74.7	52.6	78.8

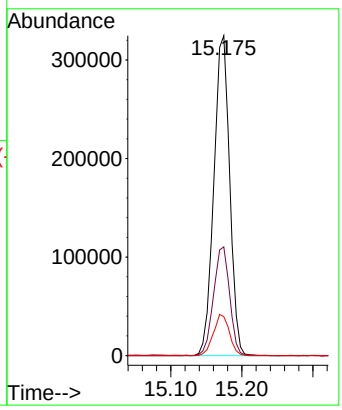




#55
Dibenzofuran
Concen: 49.360 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:168 Resp: 503441

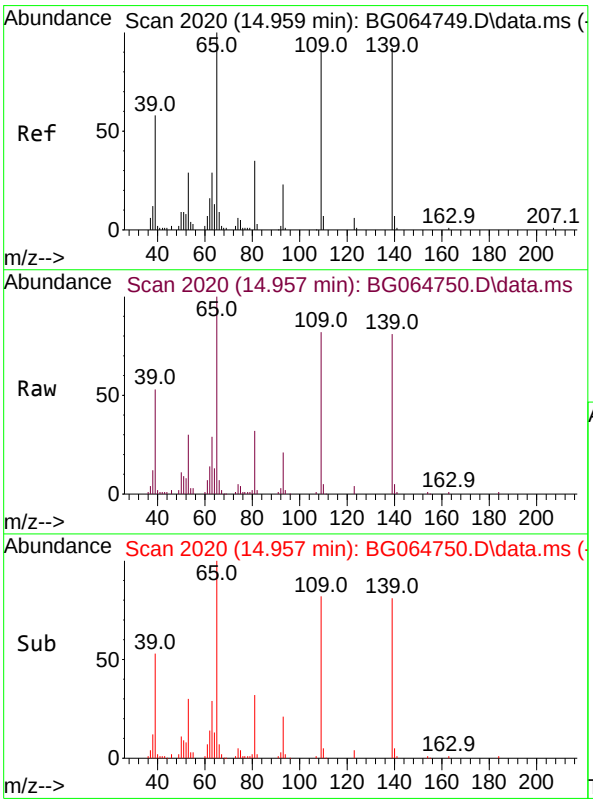
Ion	Ratio	Lower	Upper
168	100		
139	34.0	29.5	44.3
169	12.2	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

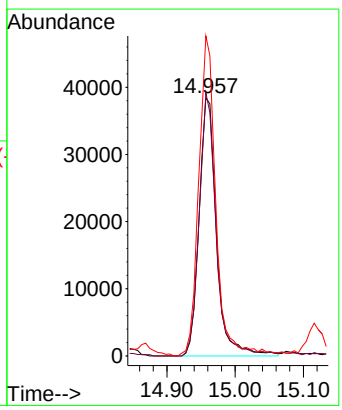
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

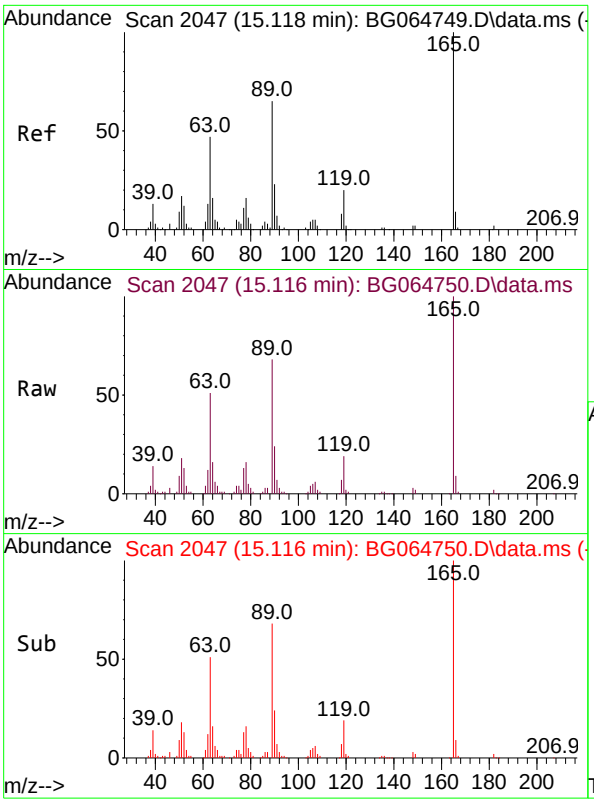


#56
4-Nitrophenol
Concen: 53.900 ng
RT: 14.957 min Scan# 2020
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:139 Resp: 68287

Ion	Ratio	Lower	Upper
139	100		
109	101.9	79.7	119.7
65	124.1	89.9	129.9

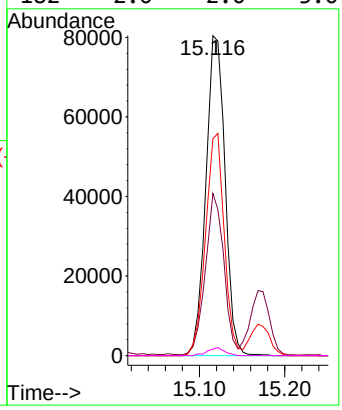




#57
2,4-Dinitrotoluene
Concen: 51.779 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:165 Resp: 12559

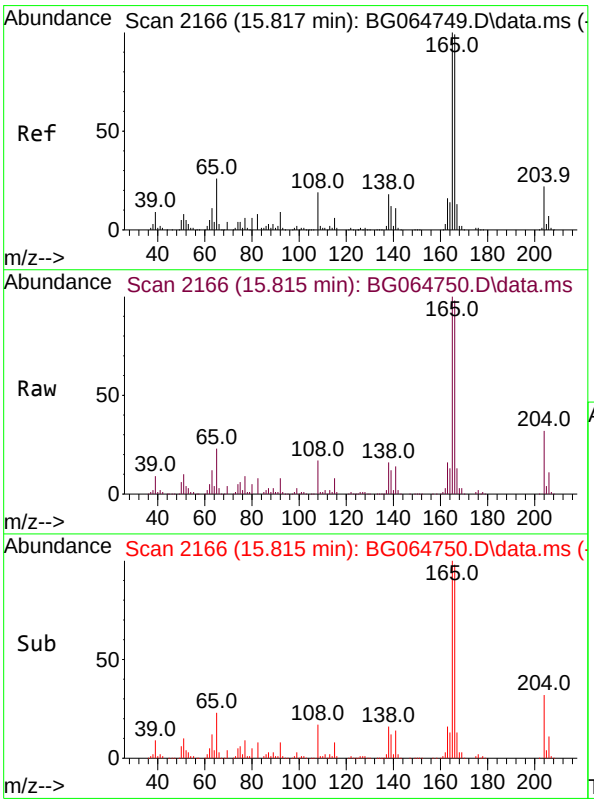
Ion	Ratio	Lower	Upper
165	100		
63	50.7	37.8	56.6
89	67.8	51.6	77.4
182	2.0	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

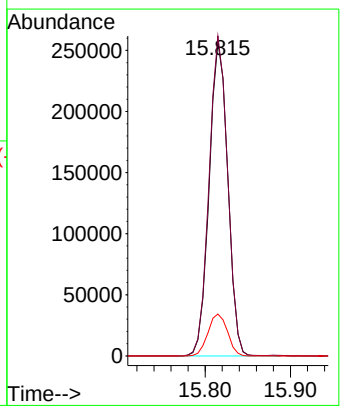
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

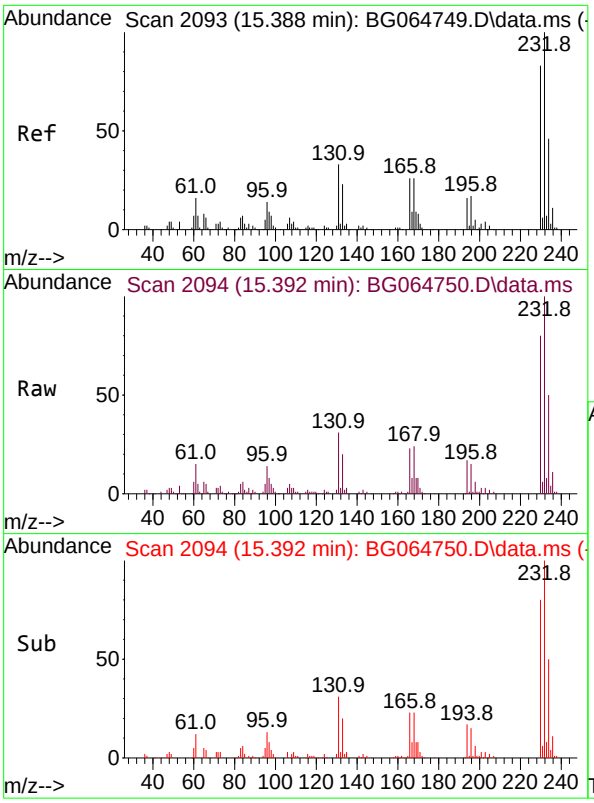


#58
Fluorene
Concen: 48.627 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:166 Resp: 388983

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.5	120.7
167	13.3	10.3	15.5

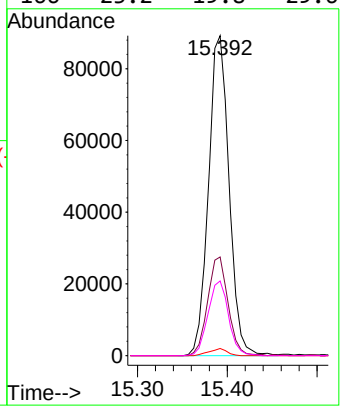




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.053 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:232 Resp: 14272

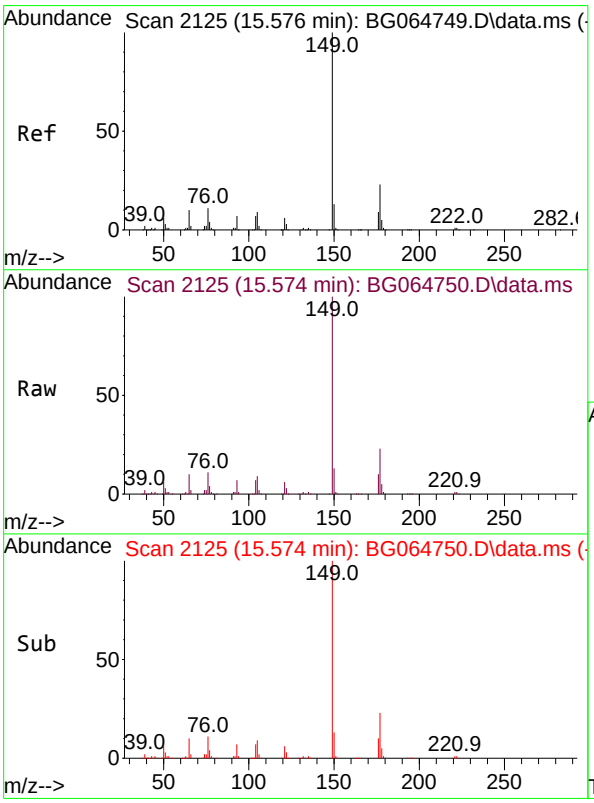
Ion	Ratio	Lower	Upper
232	100		
131	30.5	26.0	39.0
130	1.9	1.6	2.4
166	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

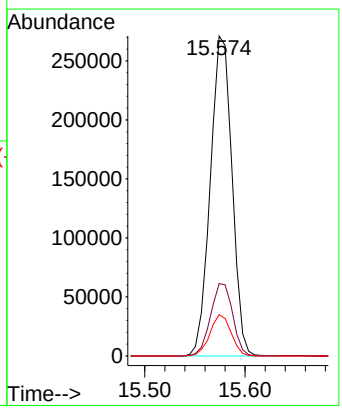
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

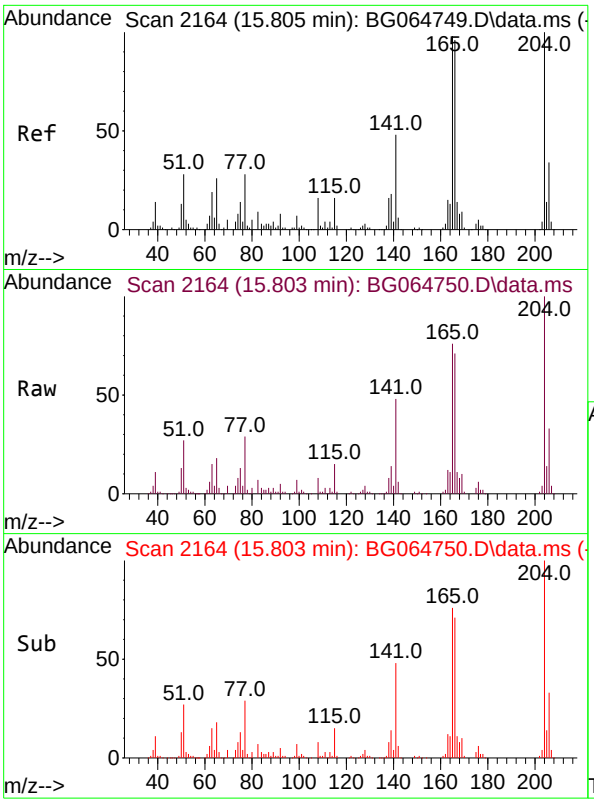


#60
Diethylphthalate
Concen: 50.617 ng
RT: 15.574 min Scan# 2125
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 407694

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.9	10.1	15.1

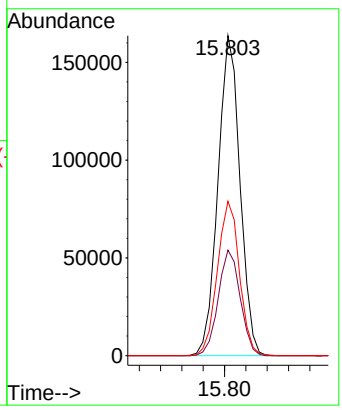




#61
4-Chlorophenyl-phenylether
Concen: 48.897 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:204 Resp: 234746

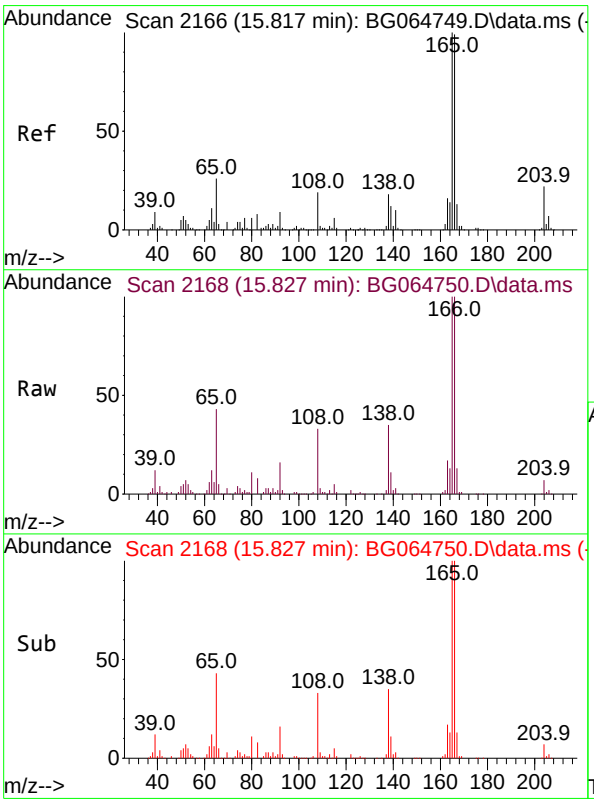
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.9	40.3
141	48.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

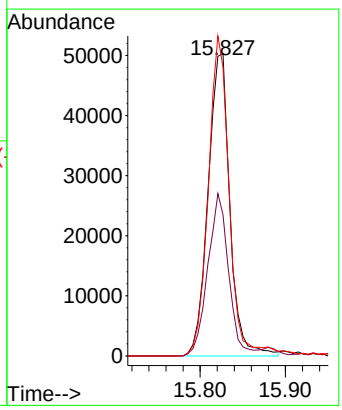
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

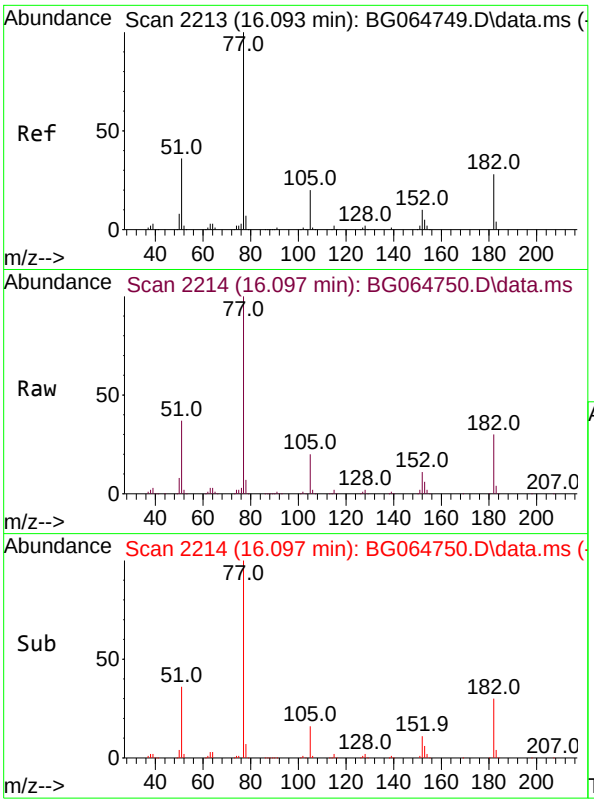


#62
4-Nitroaniline
Concen: 53.925 ng
RT: 15.827 min Scan# 2168
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:138 Resp: 89205

Ion	Ratio	Lower	Upper
138	100		
92	46.7	30.7	70.7
108	95.4	85.7	125.7

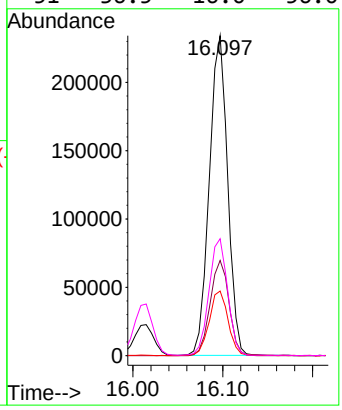




#63
Azobenzene
Concen: 49.648 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 33260

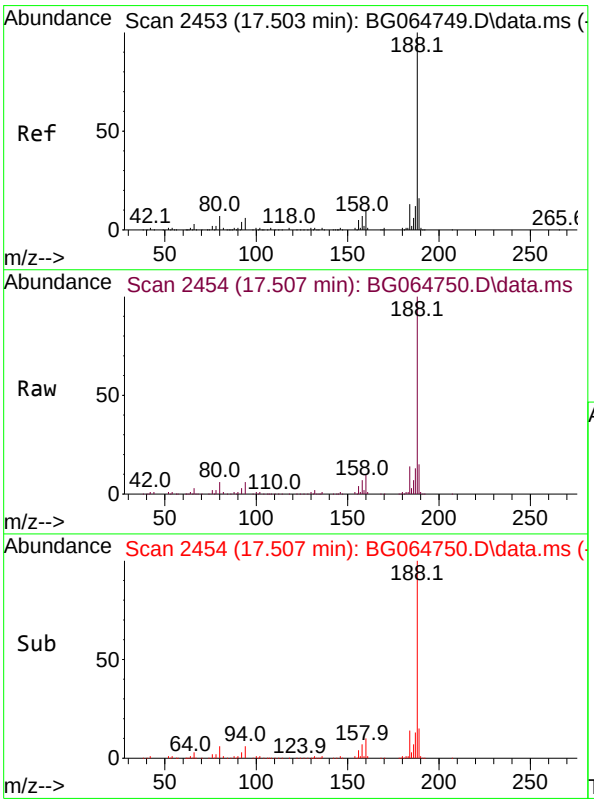
Ion	Ratio	Lower	Upper
77	100		
182	29.7	8.1	48.1
105	20.2	0.1	40.1
51	36.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

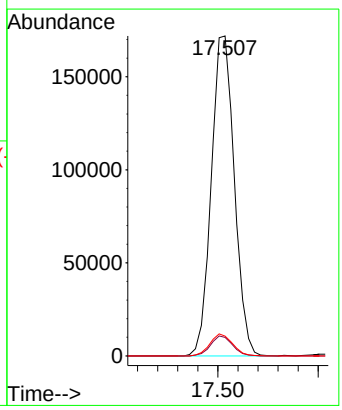
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

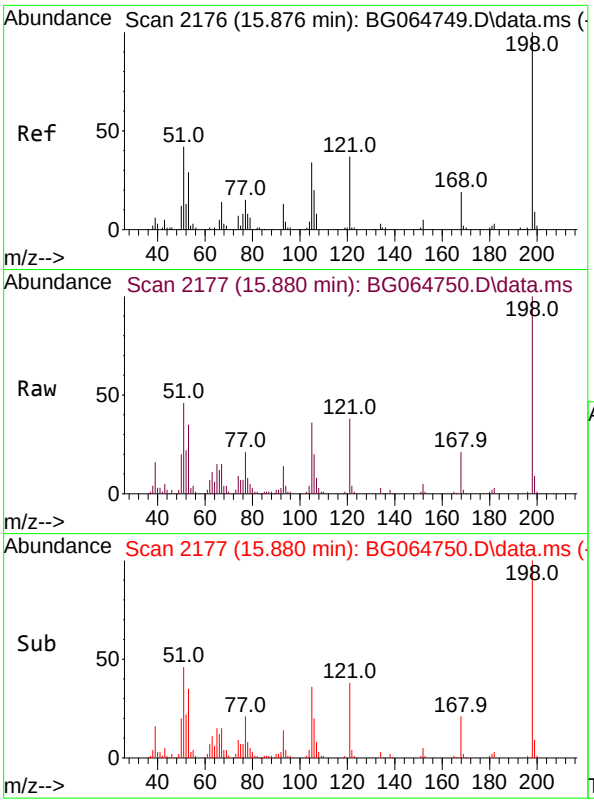


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:188 Resp: 274480

Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.7	7.1
80	6.2	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 54.533 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

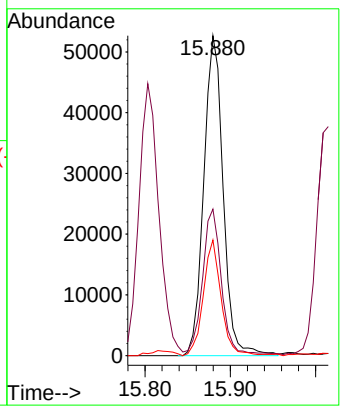
Tgt Ion:198 Resp: 8310

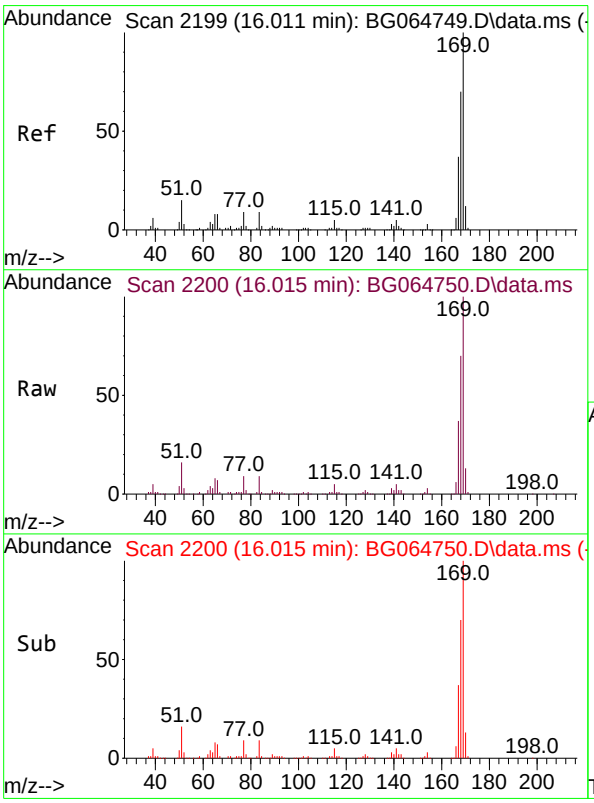
Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.2	65.2
105	36.1	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

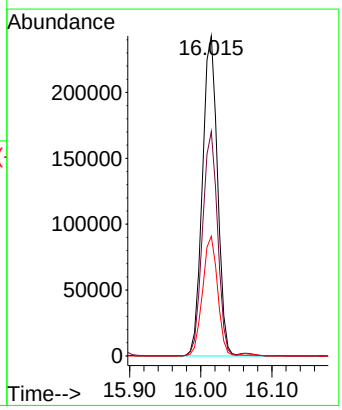


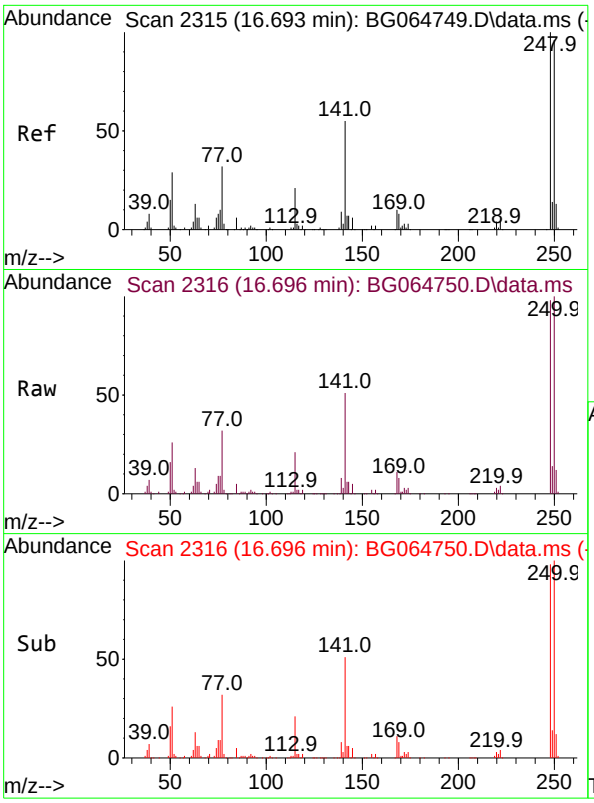


#66
n-Nitrosodiphenylamine
Concen: 49.560 ng
RT: 16.015 min Scan# 2200
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:169 Resp: 356316

Ion	Ratio	Lower	Upper
169	100		
168	70.1	55.9	83.9
167	37.4	29.8	44.6

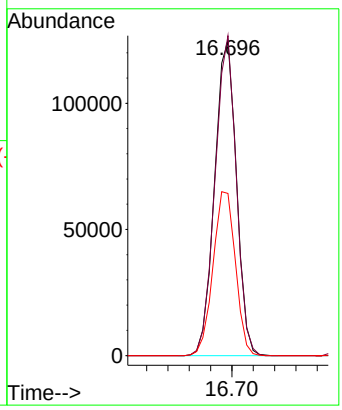




#67
4-Bromophenyl-phenylether
Concen: 49.273 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:248 Resp: 17760

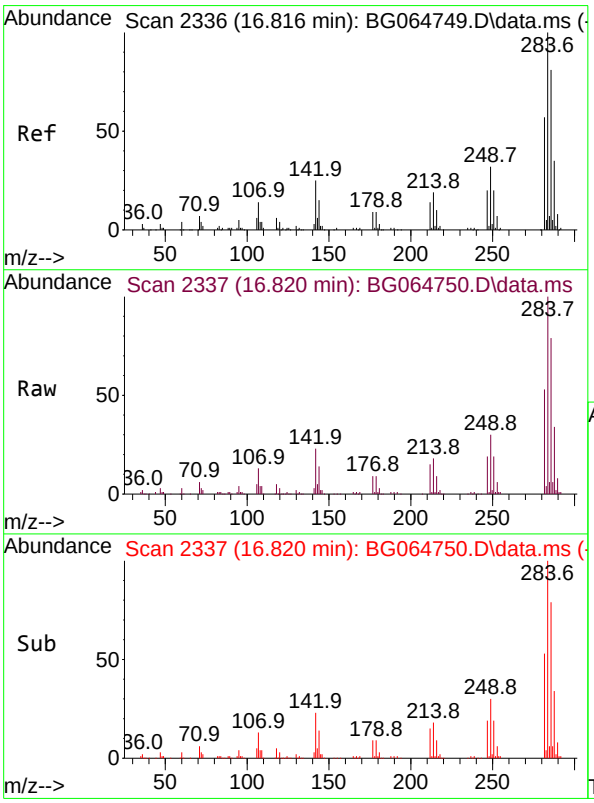
Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.0	115.6
141	51.5	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

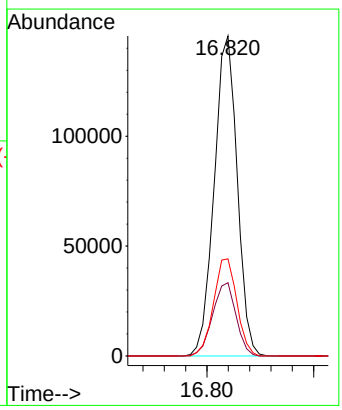
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

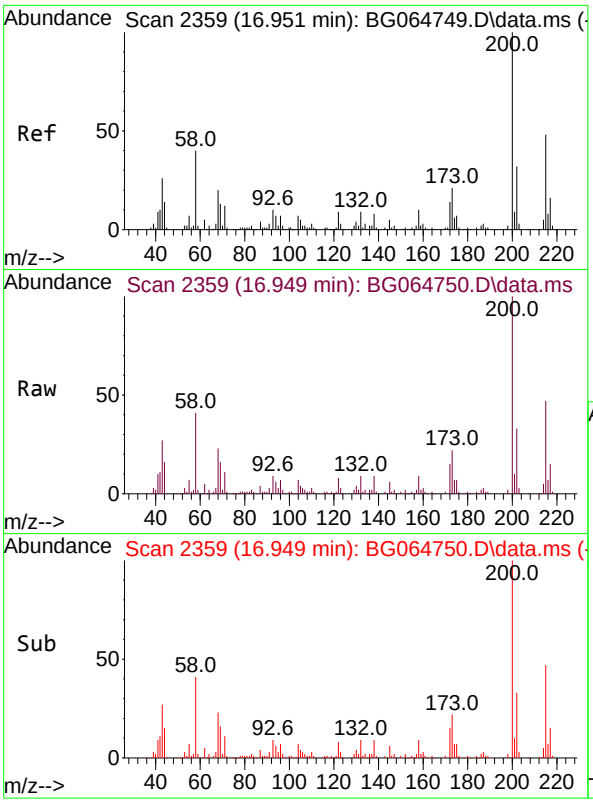


#68
Hexachlorobenzene
Concen: 49.952 ng
RT: 16.820 min Scan# 2337
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:284 Resp: 218143

Ion	Ratio	Lower	Upper
284	100		
142	22.9	19.7	29.5
249	32.0	28.1	42.1

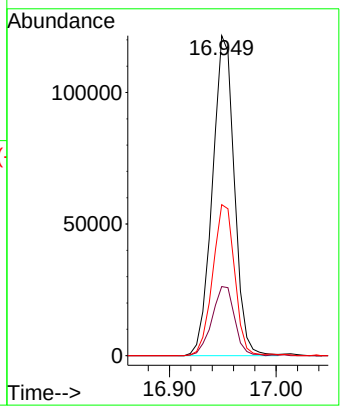




#69
Atrazine
Concen: 50.190 ng
RT: 16.949 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:200 Resp: 17397

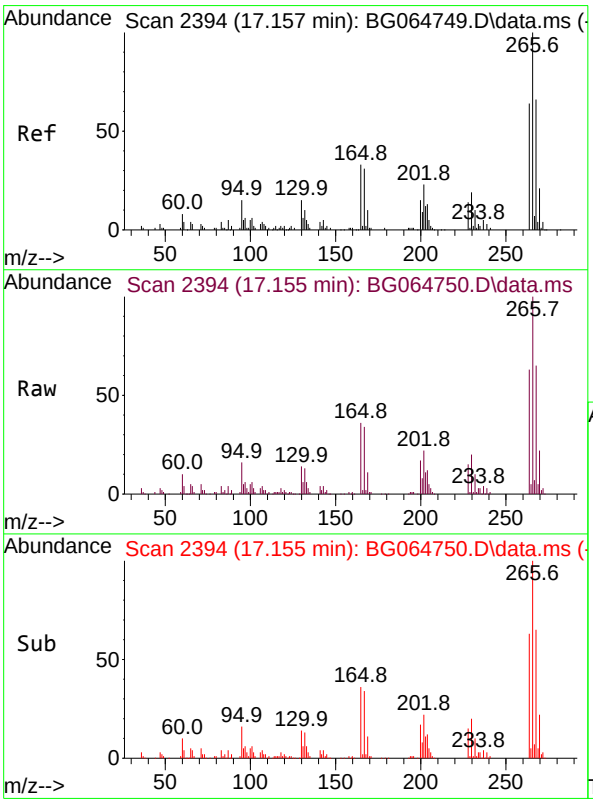
Ion	Ratio	Lower	Upper
200	100		
173	21.6	0.9	40.9
215	47.2	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

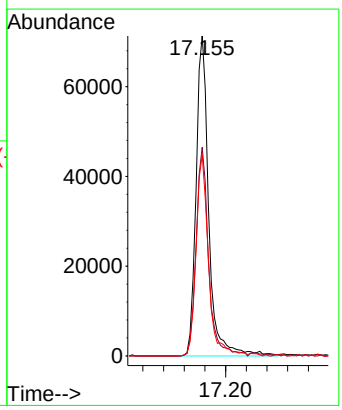
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

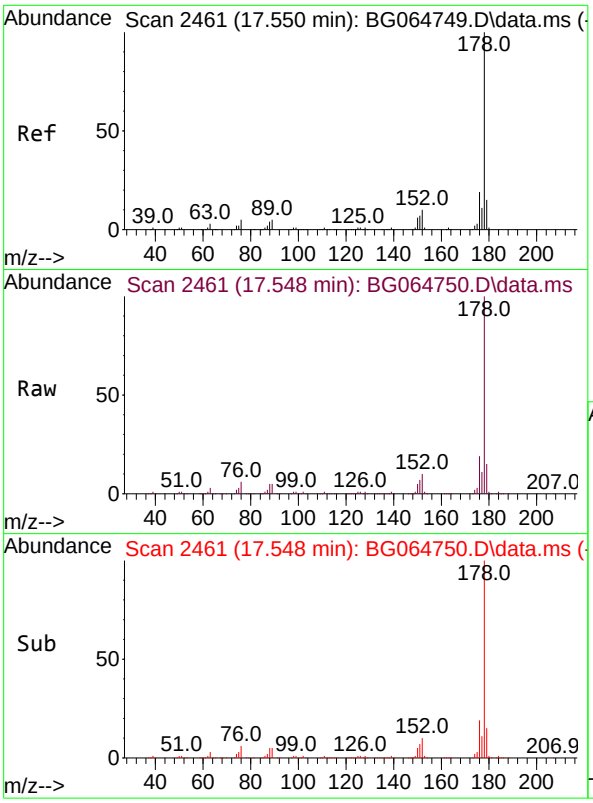


#70
Pentachlorophenol
Concen: 49.449 ng
RT: 17.155 min Scan# 2394
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:266 Resp: 121224

Ion	Ratio	Lower	Upper
266	100		
268	65.2	56.1	84.1
264	68.3	51.2	76.8

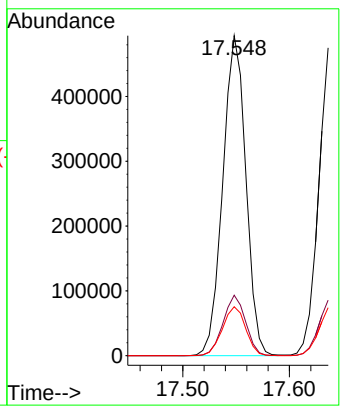




#71
Phenanthrene
Concen: 49.373 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:178 Resp: 74147

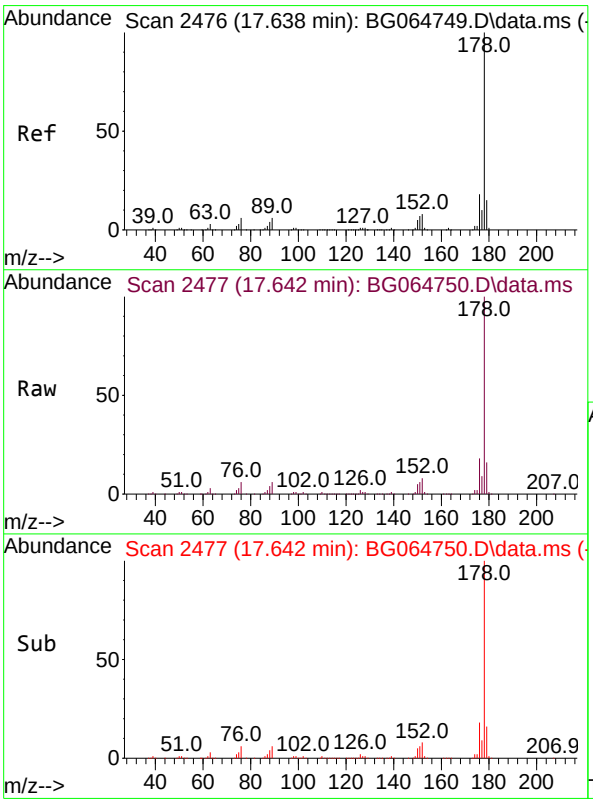
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

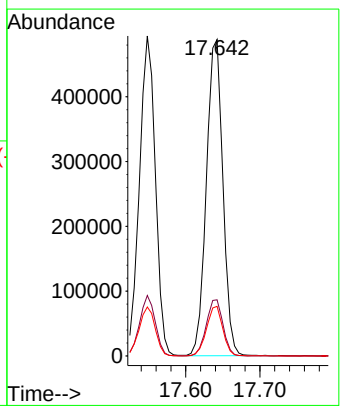
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

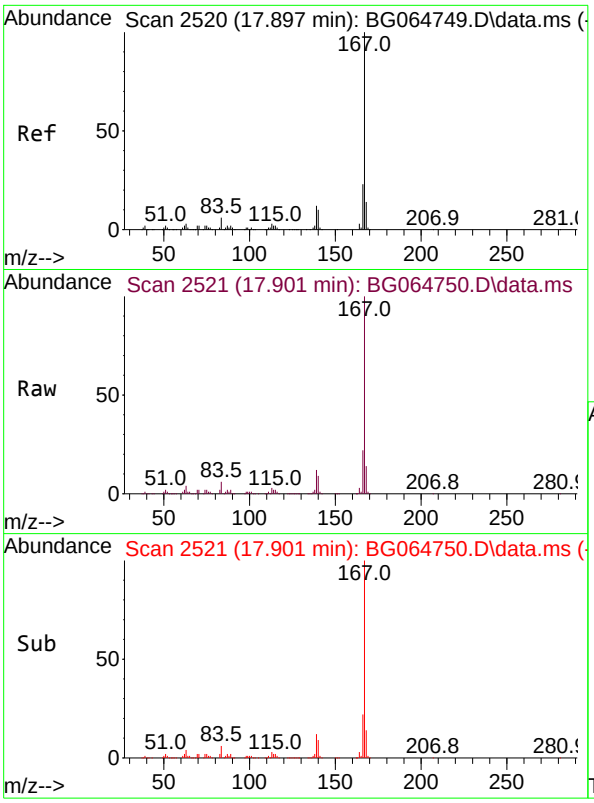


#72
Anthracene
Concen: 49.256 ng
RT: 17.642 min Scan# 2477
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:178 Resp: 754273

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.5	21.7
179	15.7	12.2	18.4

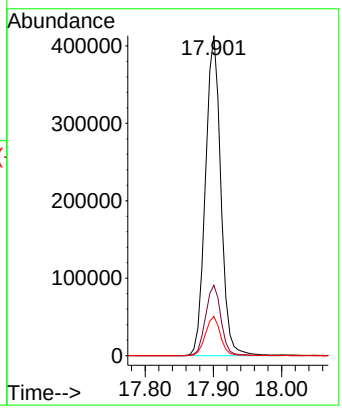




#73
Carbazole
Concen: 49.183 ng
RT: 17.901 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:167 Resp: 64745

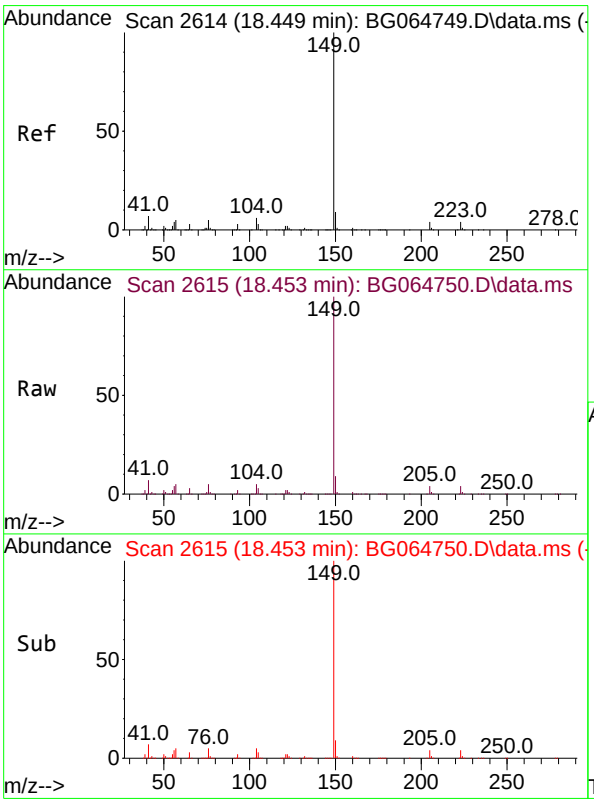
Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

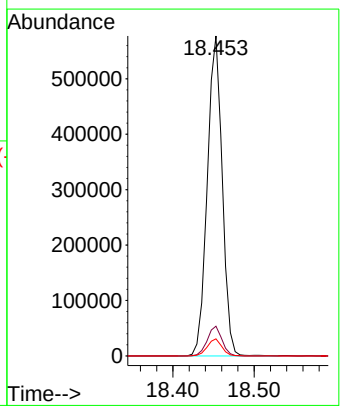
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

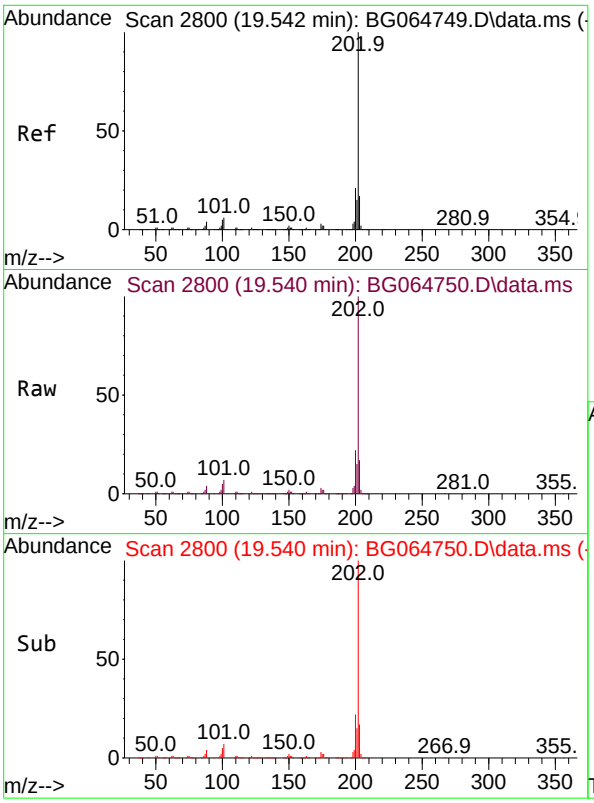


#74
Di-n-butylphthalate
Concen: 50.268 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 738268

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.3	4.4	6.6

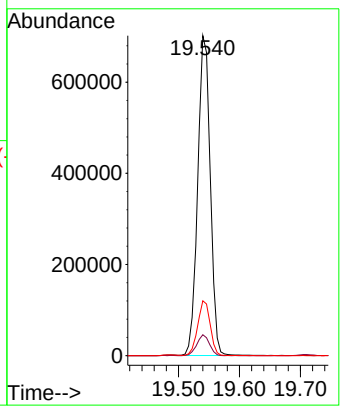




#75
Fluoranthene
Concen: 48.814 ng
RT: 19.540 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:202 Resp: 100243

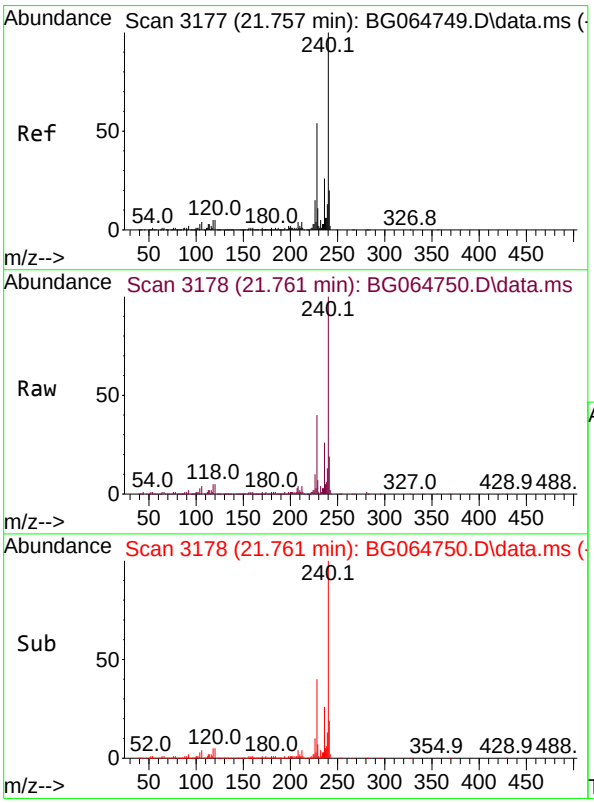
Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	26.4
203	17.1	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

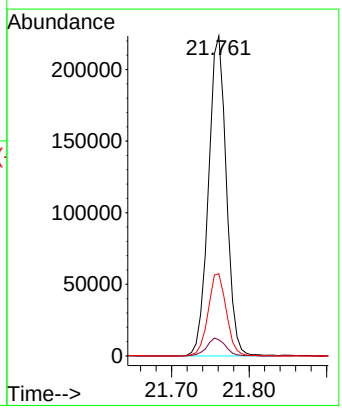
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

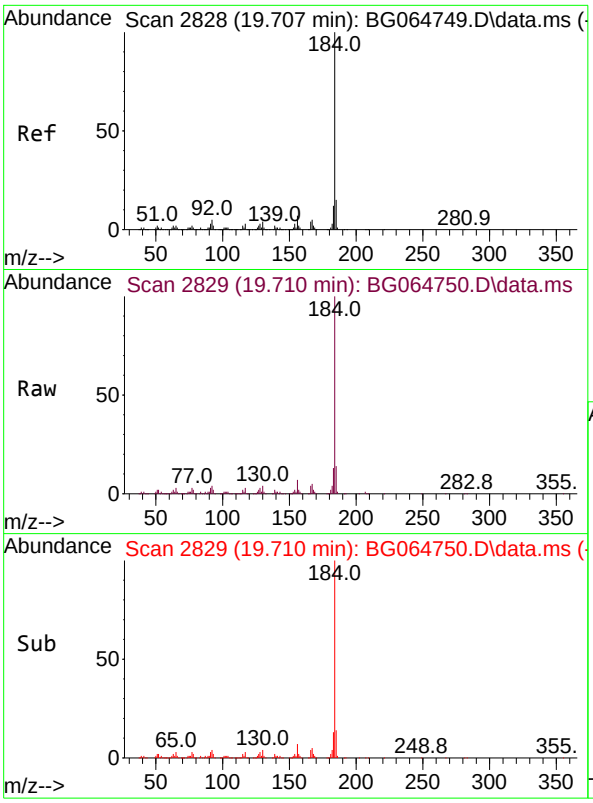


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.761 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:240 Resp: 357345

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.2	6.4
236	25.7	20.8	31.2

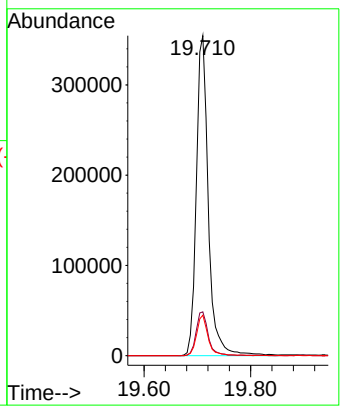




#77
Benzidine
Concen: 51.578 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:184 Resp: 55198

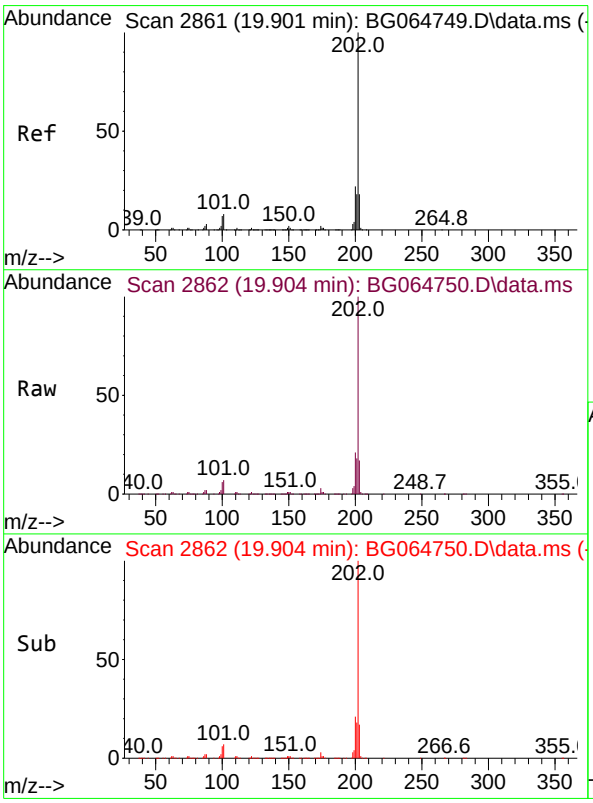
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	12.6	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

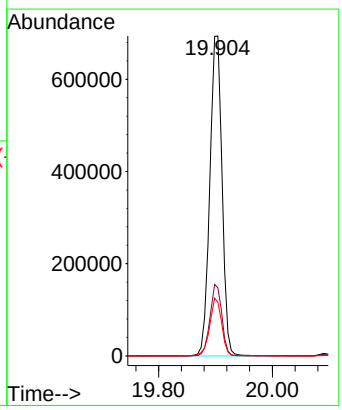
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

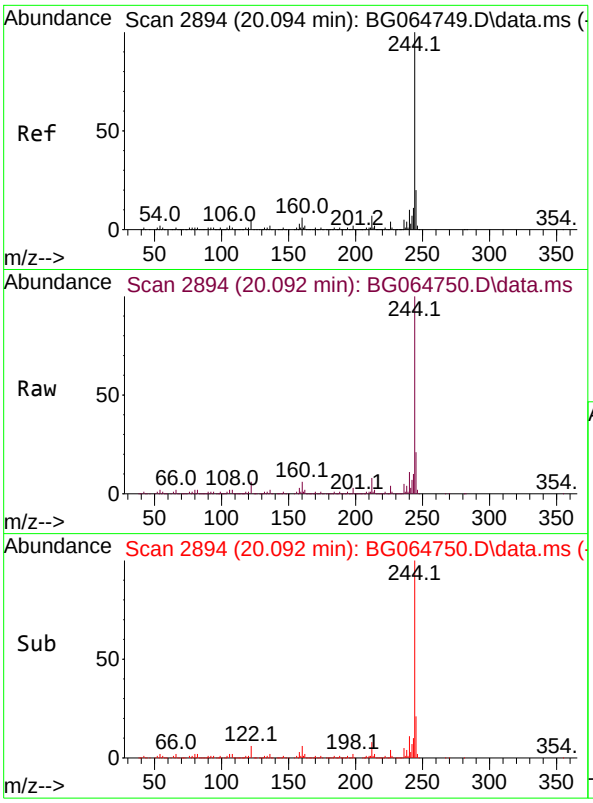


#78
Pyrene
Concen: 51.930 ng
RT: 19.904 min Scan# 2862
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:202 Resp: 1040032

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	16.7	14.0	21.0





#79
Terphenyl-d14
Concen: 102.245 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

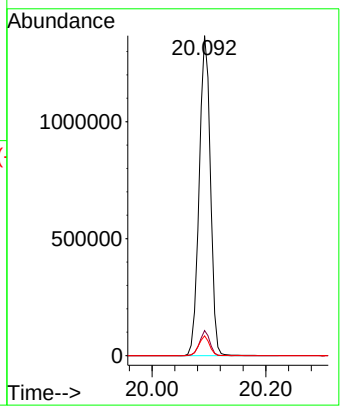
Tgt Ion:244 Resp: 185739

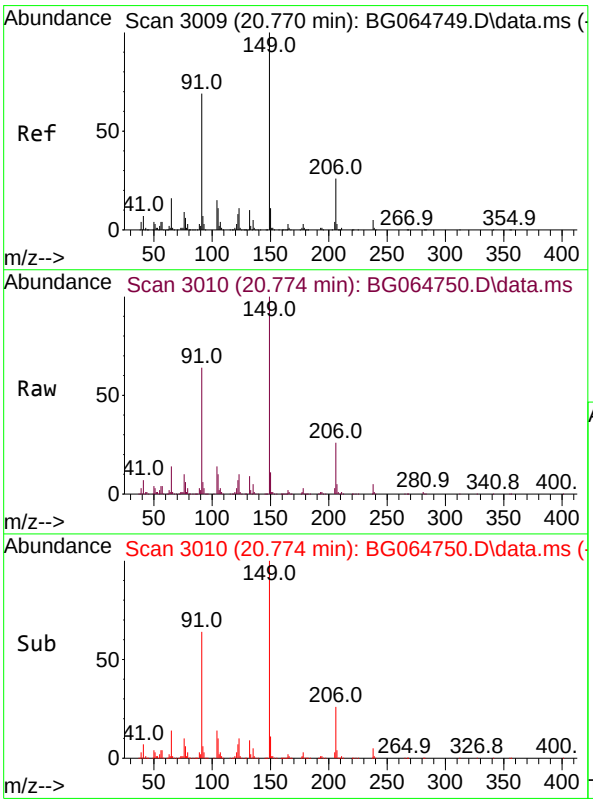
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	6.2	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

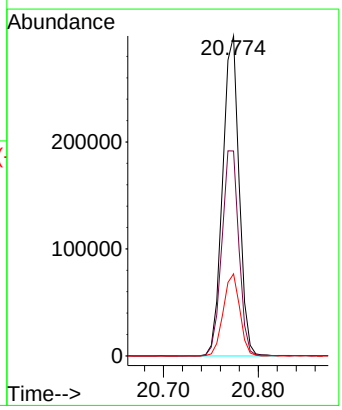


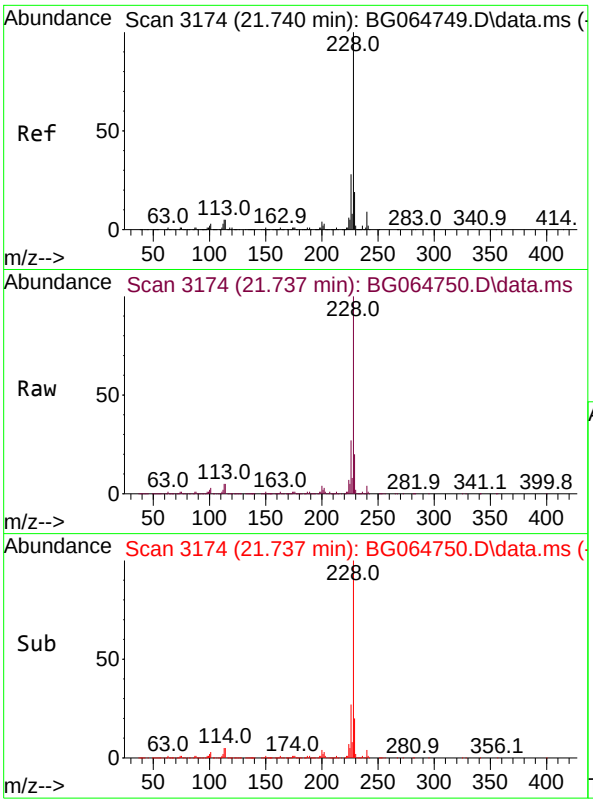


#80
Butylbenzylphthalate
Concen: 51.231 ng
RT: 20.774 min Scan# 3010
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 360898

Ion	Ratio	Lower	Upper
149	100		
91	64.0	54.9	82.3
206	25.6	21.2	31.8

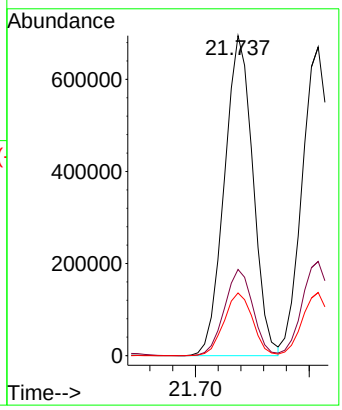




#81
Benzo(a)anthracene
Concen: 49.906 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:228 Resp: 121262

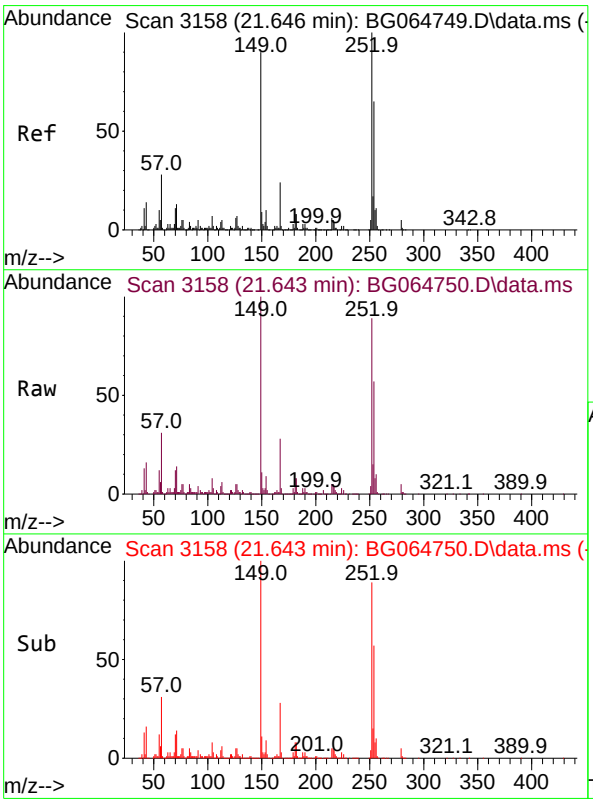
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.6	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

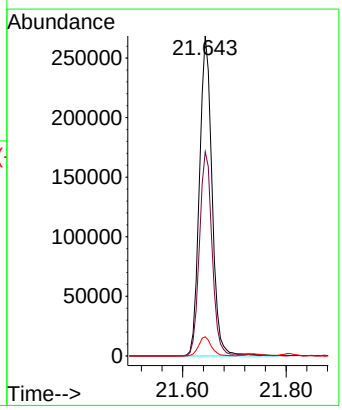
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

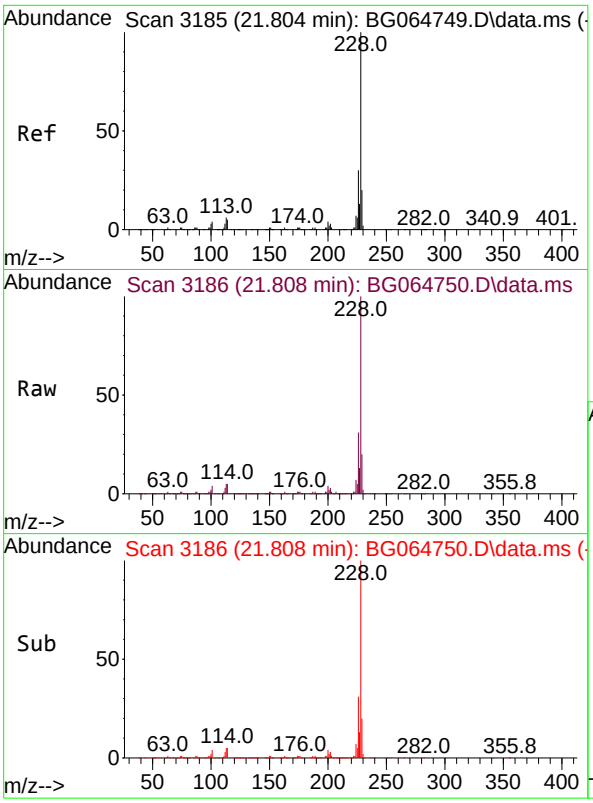


#82
3,3'-Dichlorobenzidine
Concen: 50.644 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 452926

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.8	77.8
126	6.0	4.7	7.1

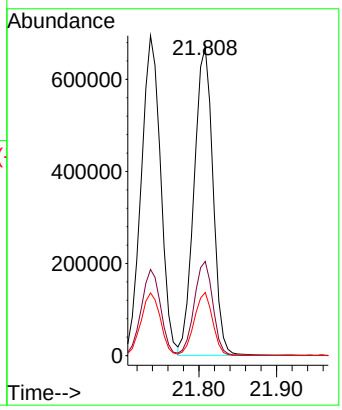




#83
Chrysene
Concen: 49.398 ng
RT: 21.808 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:228 Resp: 113158

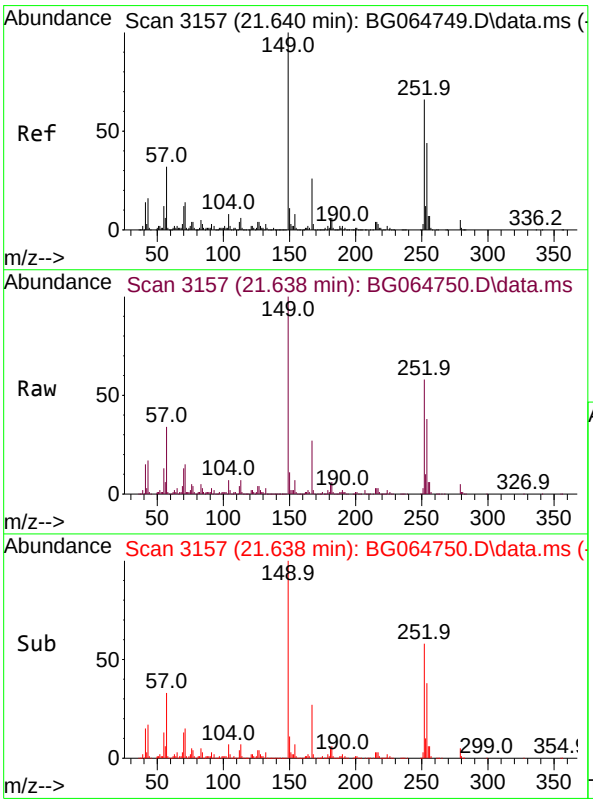
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.5	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

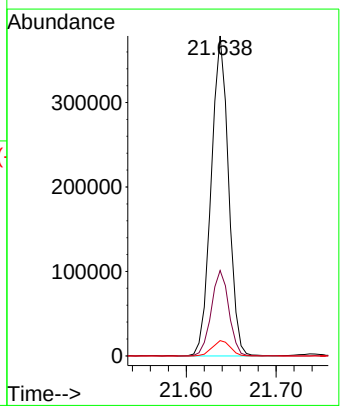
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

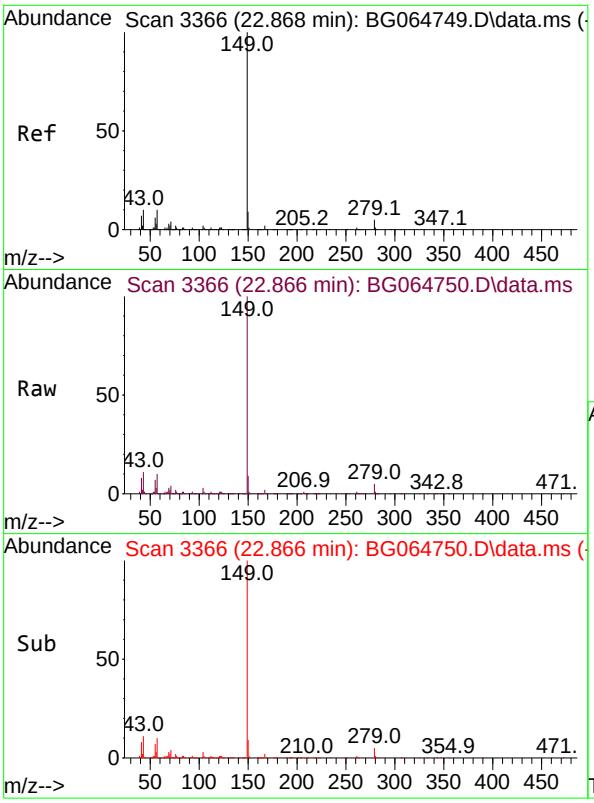


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.532 ng
RT: 21.638 min Scan# 3157
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 509870

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.4
279	4.8	4.1	6.1

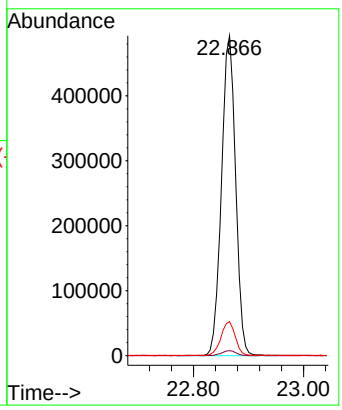




#85
Di-n-octyl phthalate
Concen: 49.360 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 87830

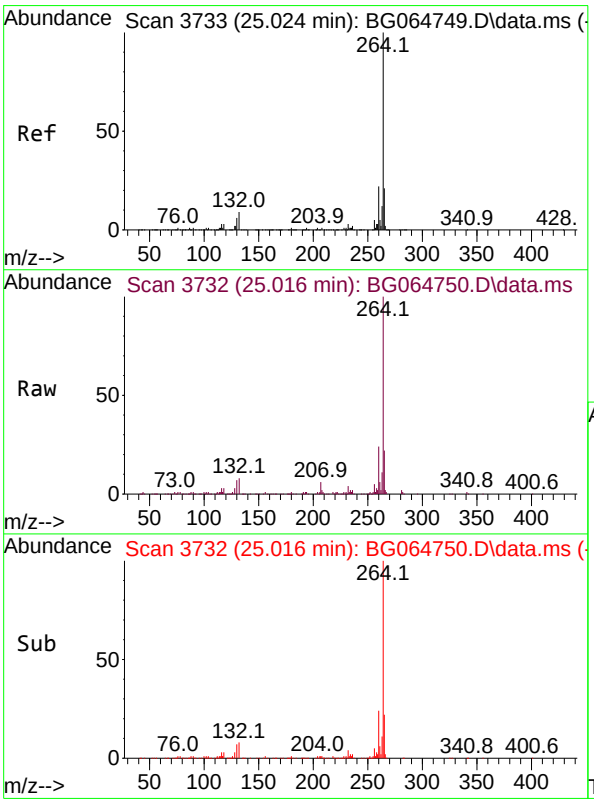
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

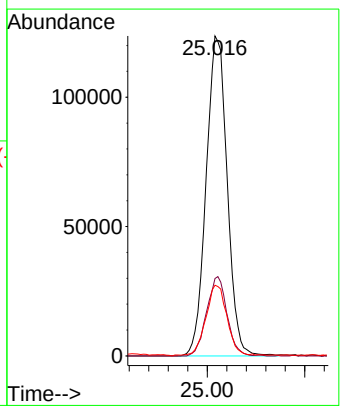
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

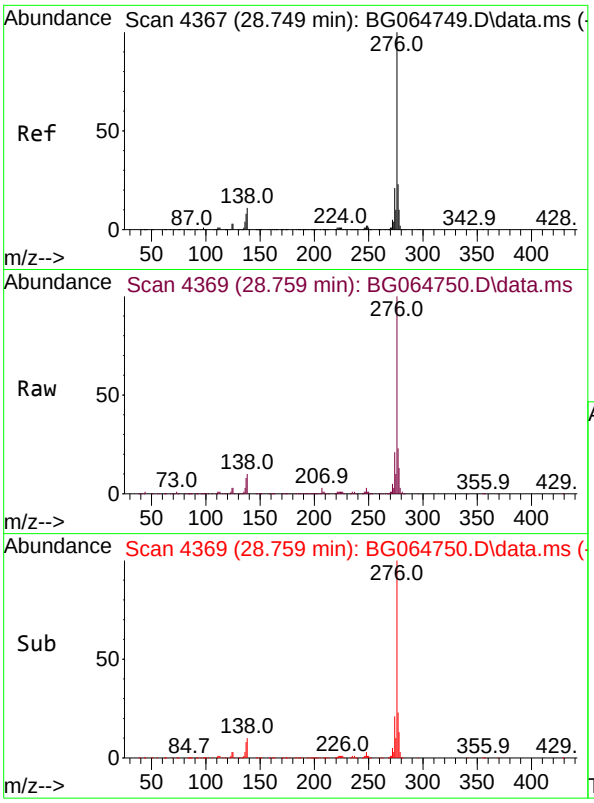


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 3732
Delta R.T. -0.008 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:264 Resp: 371257

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.2	25.8
265	22.1	16.6	25.0

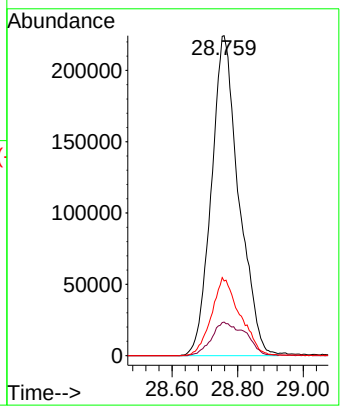




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 28.759 min Scan# 4
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:276 Resp: 130323

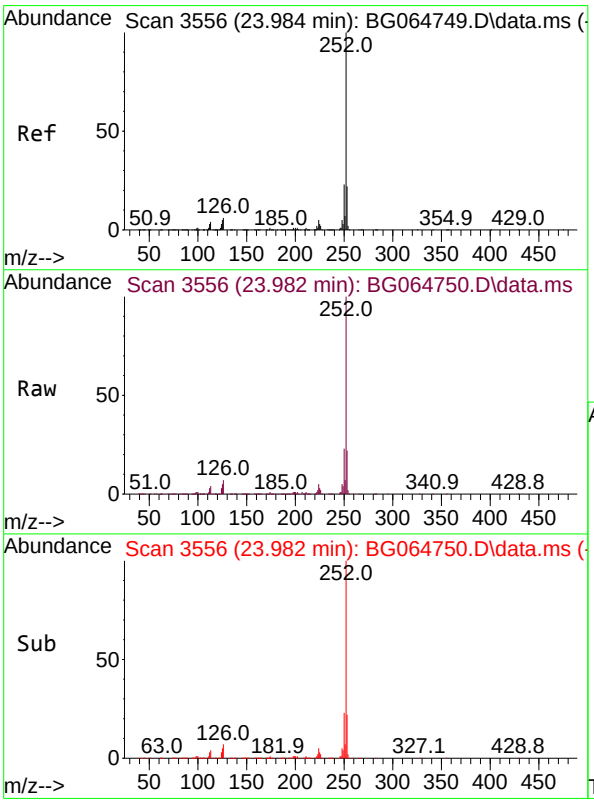
Ion	Ratio	Lower	Upper
276	100		
138	12.8	4.5	6.7#
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

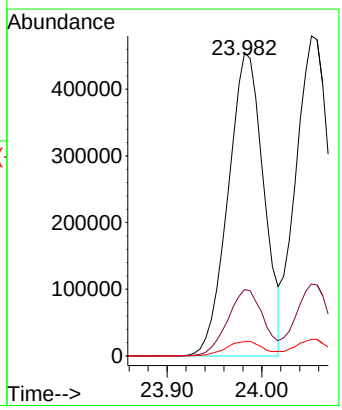
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

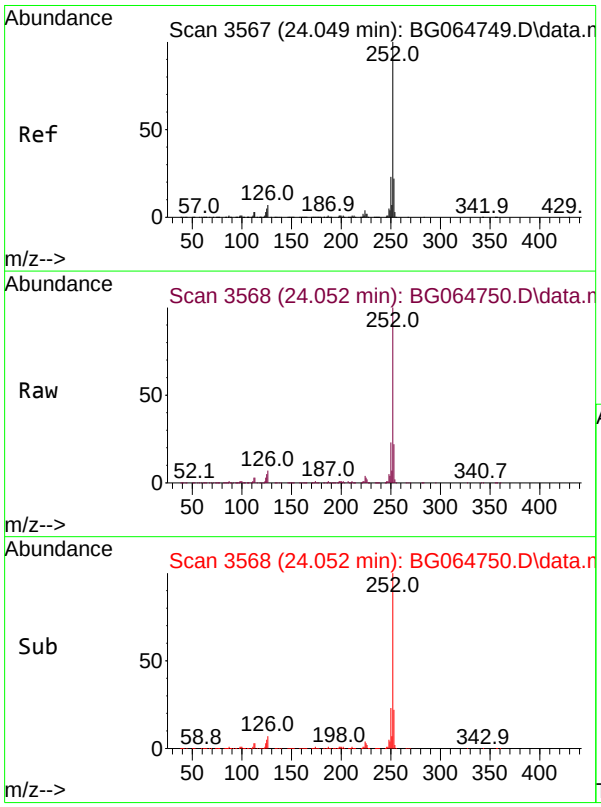


#88
Benzo(b)fluoranthene
Concen: 50.239 ng
RT: 23.982 min Scan# 3556
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 1186948

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	4.7	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 50.009 ng
RT: 24.052 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

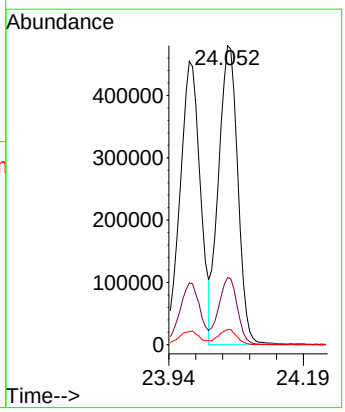
Tgt Ion:252 Resp: 118702

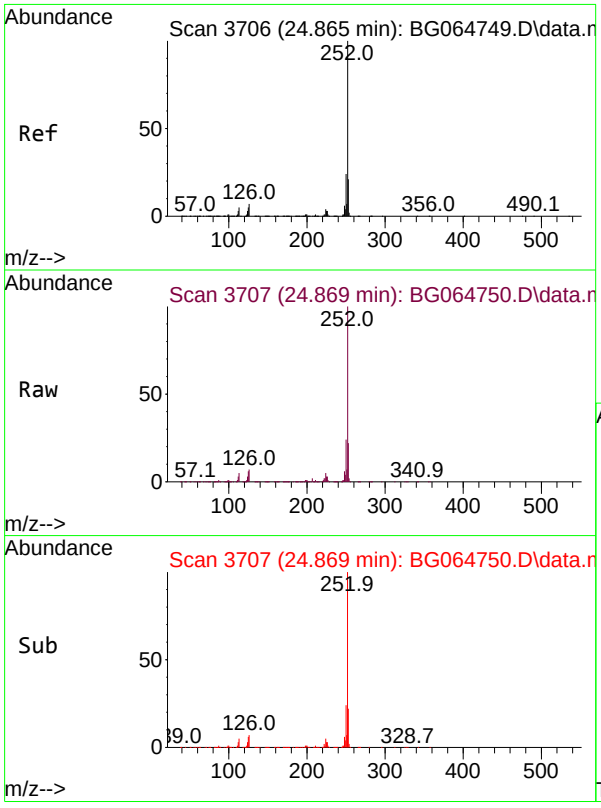
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	5.2	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

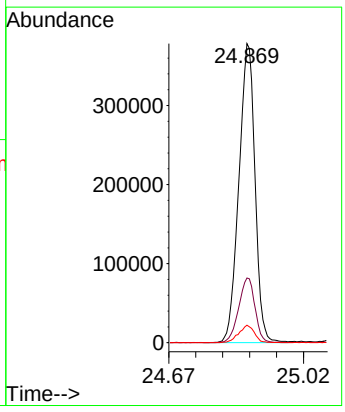


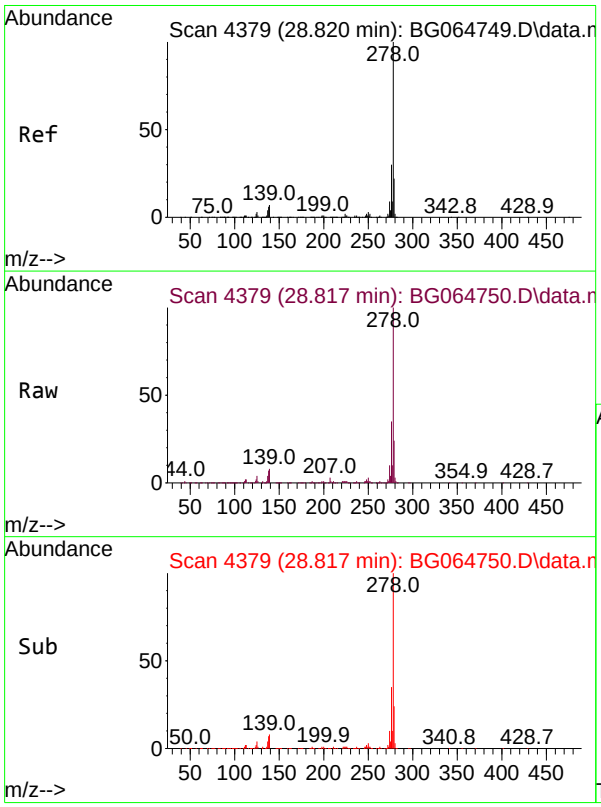


#90
Benzo(a)pyrene
Concen: 50.040 ng
RT: 24.869 min Scan# 3707
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 1096687

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	5.8	4.2	6.4





#91
Dibenzo(a,h)anthracene
Concen: 51.297 ng
RT: 28.817 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

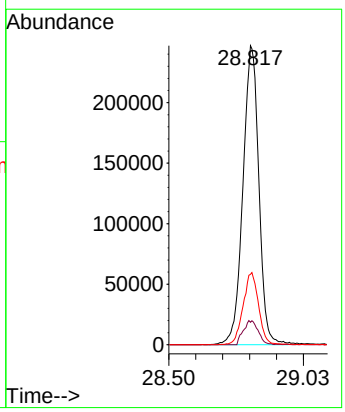
Tgt Ion:278 Resp: 107186

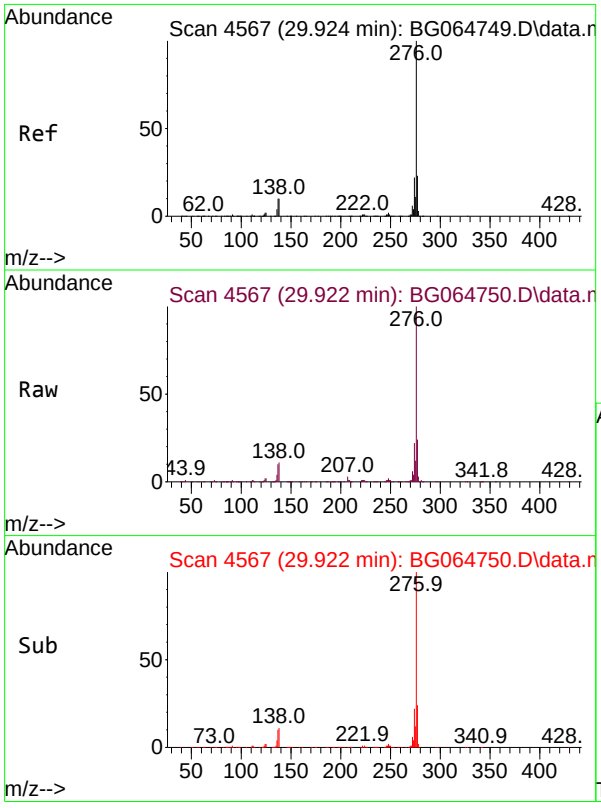
Ion	Ratio	Lower	Upper
278	100		
139	7.5	5.8	8.8
279	23.5	17.3	25.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

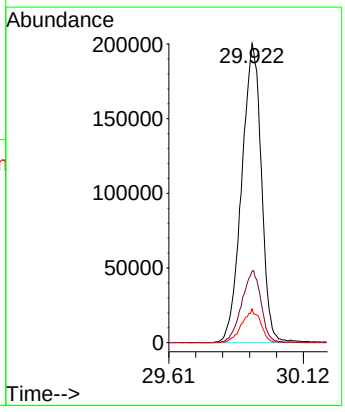




#92
Benzo(g,h,i)perylene
Concen: 51.150 ng
RT: 29.922 min Scan# 4567
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:276 Resp: 1028630

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.0	27.0
138	11.3	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.165	152	33014	20.000	ng	#	0.00
21) Naphthalene-d8	10.985	136	129015	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	101714	20.000	ng		0.00
64) Phenanthrene-d10	17.507	188	257987	20.000	ng		0.00
76) Chrysene-d12	21.761	240	346774	20.000	ng		0.00
86) Perylene-d12	25.022	264	359143	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	227918	120.553	ng		0.00
7) Phenol-d6	7.313	99	304043	120.912	ng		0.00
23) Nitrobenzene-d5	9.334	82	318003	121.869	ng		0.00
42) 2,4,6-Tribromophenol	16.256	330	245951	123.984	ng		0.00
45) 2-Fluorobiphenyl	13.412	172	875247	120.069	ng		0.00
79) Terphenyl-d14	20.092	244	2066057	117.198	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	41639	56.890	ng		95
3) Pyridine	3.947	79	133087	61.027	ng		98
4) n-Nitrosodimethylamine	3.853	42	66573	59.978	ng		96
6) Aniline	7.484	93	201403	60.089	ng		98
8) 2-Chlorophenol	7.730	128	121303	58.433	ng		98
9) Benzaldehyde	7.290	77	99425	60.402	ng		89
10) Phenol	7.337	94	165308	60.421	ng		99
11) bis(2-Chloroethyl)ether	7.572	93	115271	59.208	ng		97
12) 1,3-Dichlorobenzene	8.059	146	139888	58.561	ng		98
13) 1,4-Dichlorobenzene	8.206	146	143437	58.970	ng		98
14) 1,2-Dichlorobenzene	8.524	146	141531	60.010	ng		97
15) Benzyl Alcohol	8.400	79	126393	61.236	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.694	45	266169	57.760	ng		97
17) 2-Methylphenol	8.600	107	114526	59.160	ng		97
18) Hexachloroethane	9.264	117	53606	58.188	ng		99
19) n-Nitroso-di-n-propyla...	8.976	70	102626	60.360	ng		100
20) 3+4-Methylphenols	8.929	107	158700	59.841	ng		92
22) Acetophenone	8.988	105	211524	60.179	ng	#	99
24) Nitrobenzene	9.375	77	160696	60.949	ng		99
25) Isophorone	9.898	82	300843	60.543	ng		98
26) 2-Nitrophenol	10.086	139	76283	64.325	ng		93
27) 2,4-Dimethylphenol	10.139	122	130184	61.791	ng		98
28) bis(2-Chloroethoxy)met...	10.374	93	163781	60.037	ng		98
29) 2,4-Dichlorophenol	10.627	162	141372	62.500	ng		99
30) 1,2,4-Trichlorobenzene	10.844	180	161988	59.307	ng		98
31) Naphthalene	11.032	128	433362	59.254	ng		100
32) Benzoic acid	10.280	122	98796m	64.105	ng		
33) 4-Chloroaniline	11.132	127	180399	61.662	ng		97
34) Hexachlorobutadiene	11.326	225	138036	58.901	ng		97
35) Caprolactam	11.908	113	41409	61.260	ng		96
36) 4-Chloro-3-methylphenol	12.237	107	155480	61.757	ng		98
37) 2-Methylnaphthalene	12.625	142	323161	59.046	ng		99
38) 1-Methylnaphthalene	12.842	142	317238	58.353	ng		99
40) 1,2,4,5-Tetrachloroben...	12.989	216	240877	60.852	ng		99
41) Hexachlorocyclopentadiene	12.971	237	180651	63.670	ng		96
43) 2,4,6-Trichlorophenol	13.218	196	146850	63.209	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.289	196	161978	62.163	ng		96
46) 1,1'-Biphenyl	13.618	154	439700	60.188	ng		97
47) 2-Chloronaphthalene	13.665	162	347150	60.317	ng		99
48) 2-Nitroaniline	13.853	65	119346	64.470	ng		95
49) Acenaphthylene	14.505	152	600143	61.036	ng		98
50) Dimethylphthalate	14.223	163	485762	60.458	ng		98
51) 2,6-Dinitrotoluene	14.340	165	98168	63.495	ng		97
52) Acenaphthene	14.840	154	370233	62.799	ng		100
53) 3-Nitroaniline	14.669	138	99543	65.234	ng		97
54) 2,4-Dinitrophenol	14.869	184	60324	59.432	ng		89
55) Dibenzofuran	15.175	168	576483	59.147	ng		98
56) 4-Nitrophenol	14.963	139	79581	65.732	ng		96
57) 2,4-Dinitrotoluene	15.122	165	149083	64.319	ng	#	97
58) Fluorene	15.815	166	450137	58.885	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.392	232	165755	64.473	ng		97
60) Diethylphthalate	15.580	149	463685	60.243	ng		100
61) 4-Chlorophenyl-phenyle...	15.803	204	272931	59.493	ng		99
62) 4-Nitroaniline	15.827	138	102284	64.702	ng		100
63) Azobenzene	16.097	77	383102	59.841	ng		97
65) 4,6-Dinitro-2-methylph...	15.880	198	97291	67.922	ng		96
66) n-Nitrosodiphenylamine	16.015	169	408909	60.512	ng		100
67) 4-Bromophenyl-phenylether	16.696	248	207947	61.378	ng		98
68) Hexachlorobenzene	16.820	284	245522	59.815	ng		97
69) Atrazine	16.955	200	195803	60.098	ng		97
70) Pentachlorophenol	17.155	266	144648	61.120	ng		98
71) Phenanthrene	17.548	178	843427	59.753	ng		99
72) Anthracene	17.642	178	861577	59.861	ng		100
73) Carbazole	17.901	167	739493	59.766	ng		99
74) Di-n-butylphthalate	18.453	149	828062	59.986	ng		100
75) Fluoranthene	19.540	202	1141630	59.146	ng		99
77) Benzidine	19.710	184	574724	55.340	ng		99
78) Pyrene	19.904	202	1181920	60.813	ng		99
80) Butylbenzylphthalate	20.774	149	413202	60.444	ng		96
81) Benzo(a)anthracene	21.737	228	1388051	58.867	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	498737	57.466	ng		99
83) Chrysene	21.808	228	1326816	59.686	ng		99
84) Bis(2-ethylhexyl)phtha...	21.638	149	586917	58.754	ng		99
85) Di-n-octyl phthalate	22.866	149	1013682	58.705	ng		100
87) Indeno(1,2,3-cd)pyrene	28.765	276	1512216	61.287	ng	#	98
88) Benzo(b)fluoranthene	23.988	252	1405334	61.488	ng		100
89) Benzo(k)fluoranthene	24.058	252	1353541	58.948	ng		99
90) Benzo(a)pyrene	24.875	252	1281570	60.448	ng		98
91) Dibenzo(a,h)anthracene	28.823	278	1235848	61.139	ng		96
92) Benzo(g,h,i)perylene	29.934	276	1188967	61.117	ng		96

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

ICAL Form

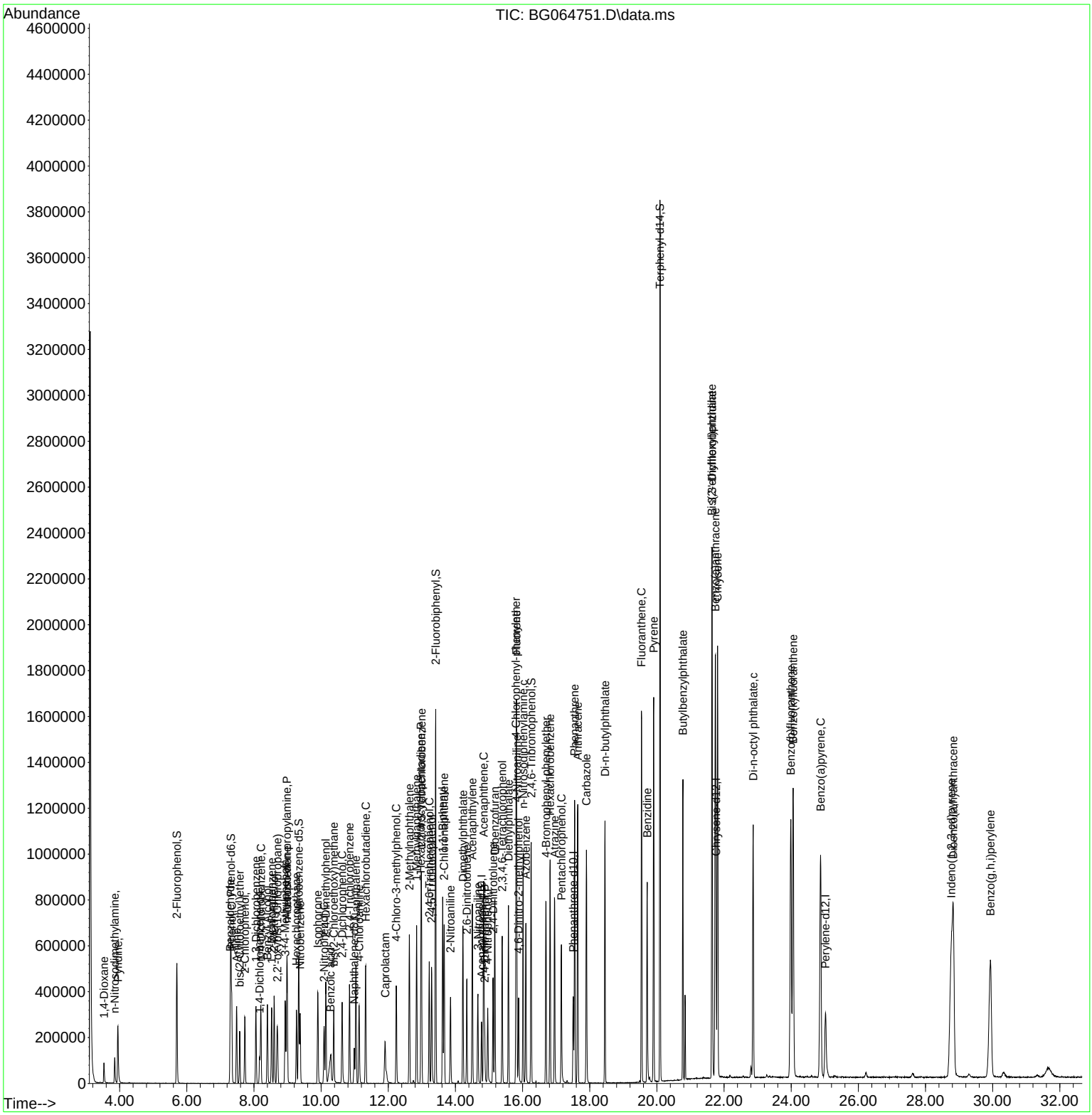
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

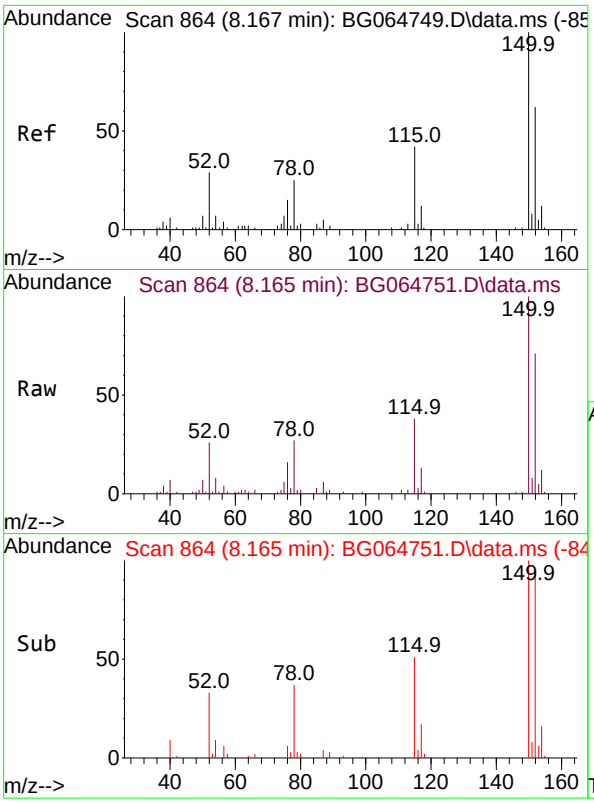
Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

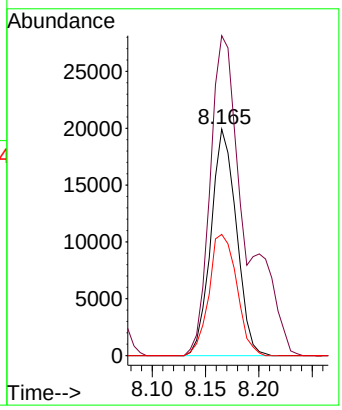




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:152 Resp: 3301

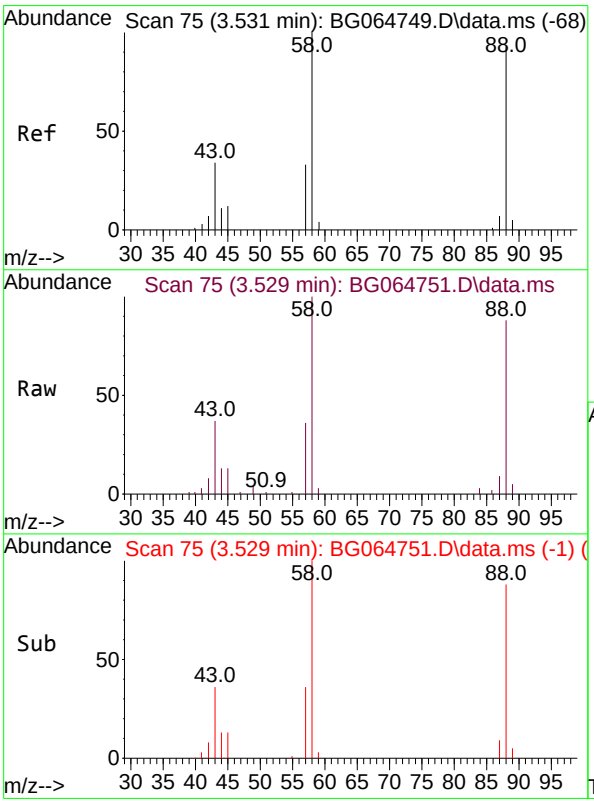
Ion	Ratio	Lower	Upper
152	100		
150	141.3	129.2	193.8
115	53.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

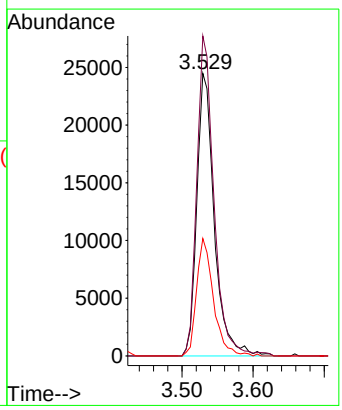
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

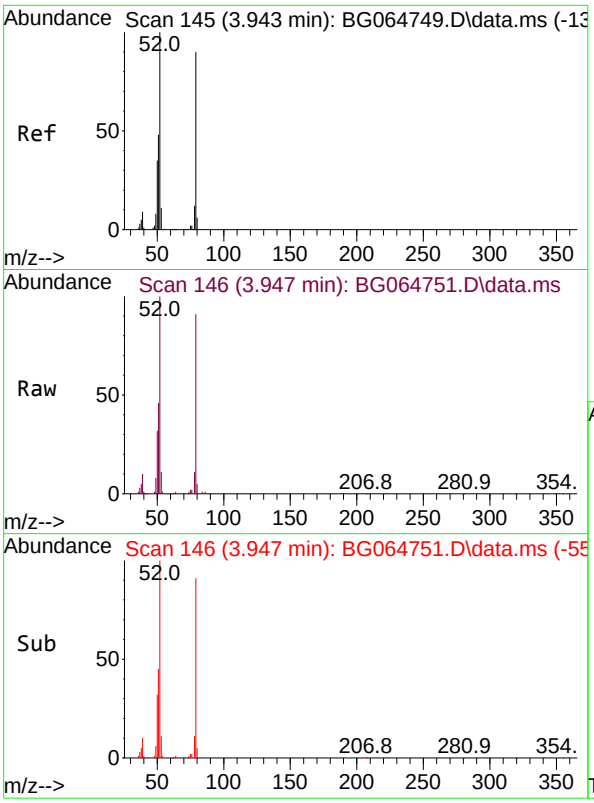


#2
1,4-Dioxane
Concen: 56.890 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 88 Resp: 41639

Ion	Ratio	Lower	Upper
88	100		
58	111.2	84.6	126.8
43	40.2	30.0	45.0

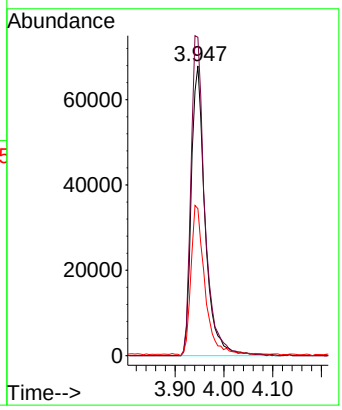




#3
Pyridine
Concen: 61.027 ng
RT: 3.947 min Scan# 14
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 79 Resp: 13308

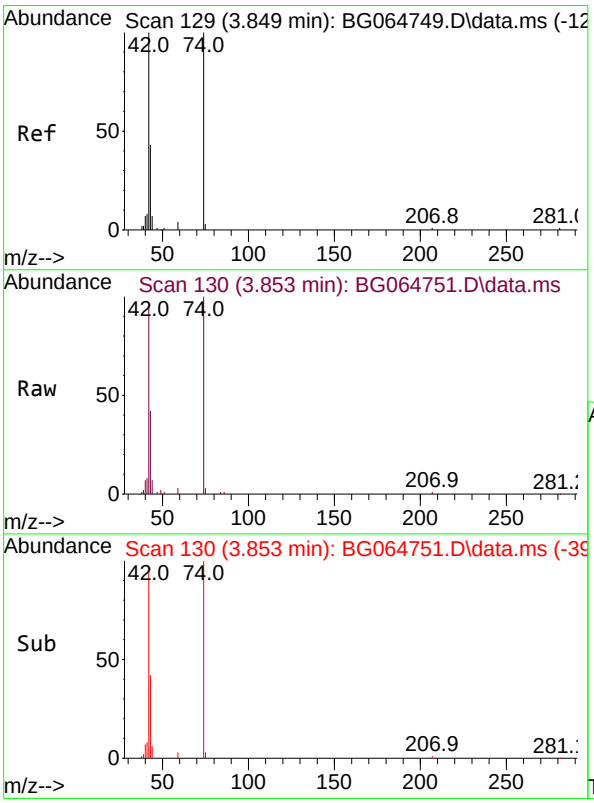
Ion	Ratio	Lower	Upper
79	100		
52	109.8	89.0	133.4
51	50.7	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

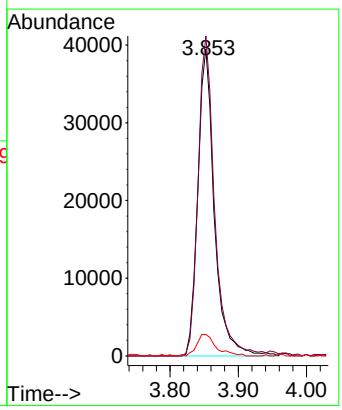
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

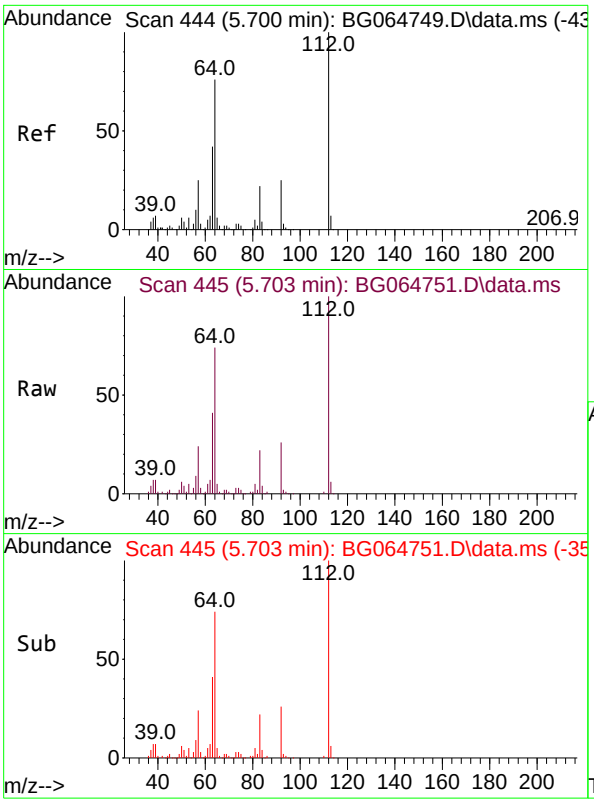


#4
n-Nitrosodimethylamine
Concen: 59.978 ng
RT: 3.853 min Scan# 130
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 42 Resp: 66573

Ion	Ratio	Lower	Upper
42	100		
74	104.2	79.8	119.6
44	7.0	5.9	8.9

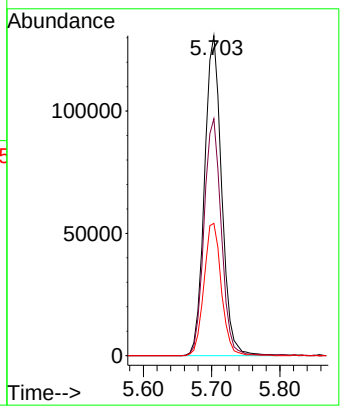




#5
2-Fluorophenol
Concen: 120.553 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:112 Resp: 22791

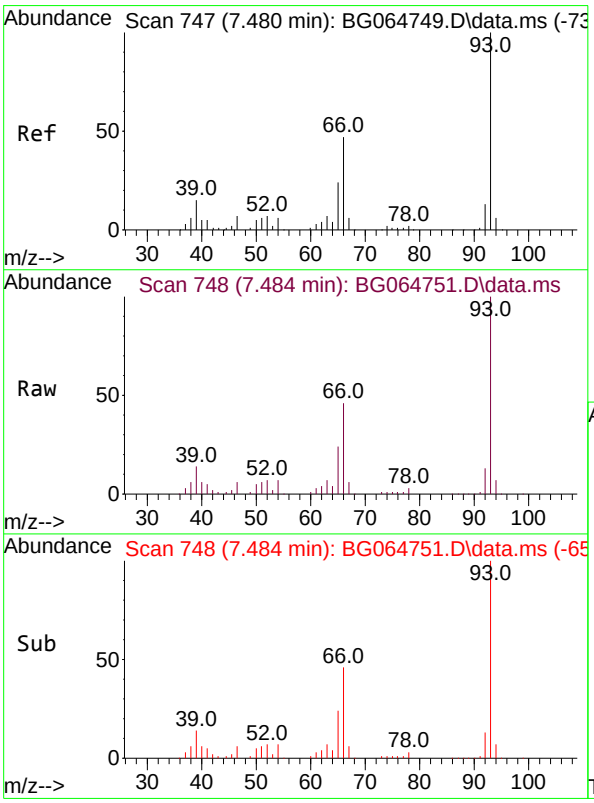
Ion	Ratio	Lower	Upper
112	100		
64	74.0	61.0	91.4
63	41.3	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

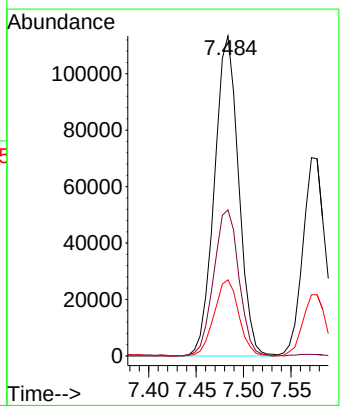
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

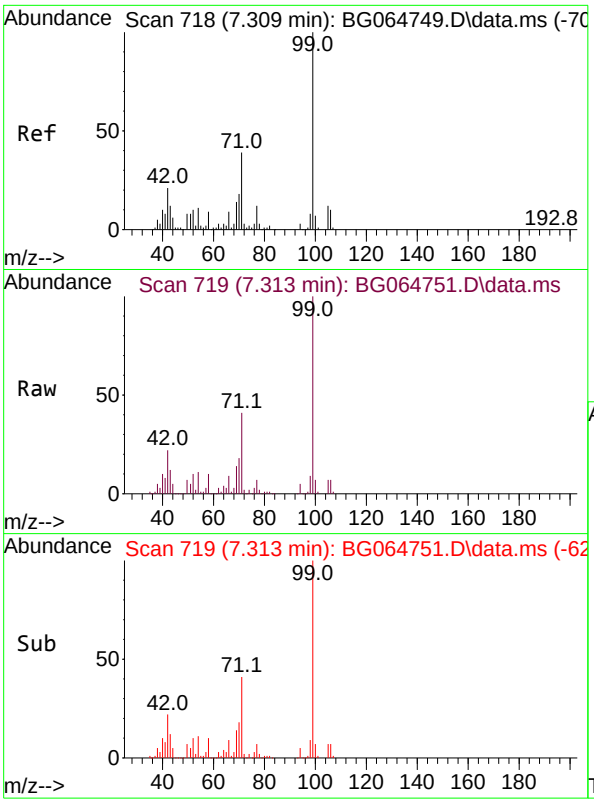


#6
Aniline
Concen: 60.089 ng
RT: 7.484 min Scan# 748
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 201403

Ion	Ratio	Lower	Upper
93	100		
66	45.6	37.7	56.5
65	23.8	19.1	28.7

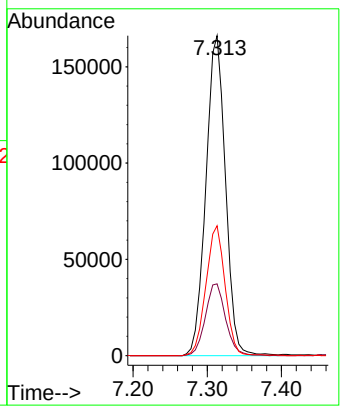




#7
Phenol-d6
Concen: 120.912 ng
RT: 7.313 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 99 Resp: 30404

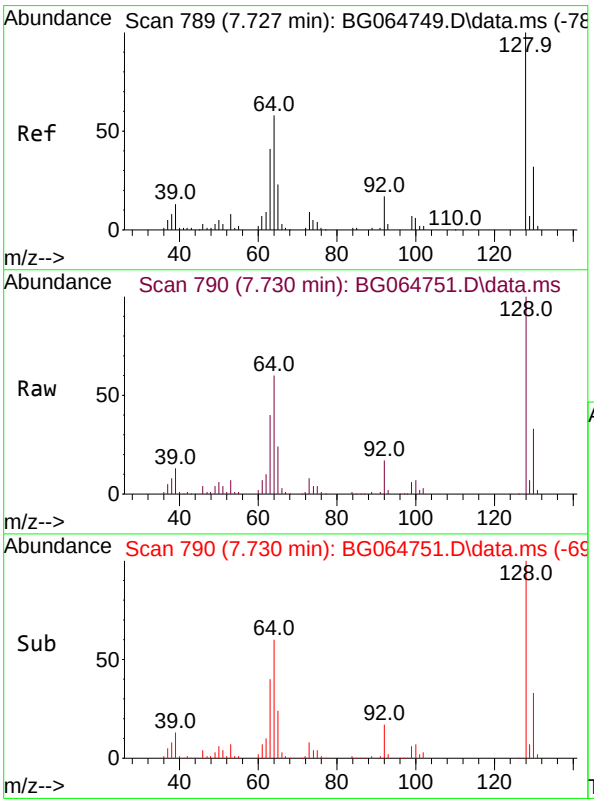
Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	40.6	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

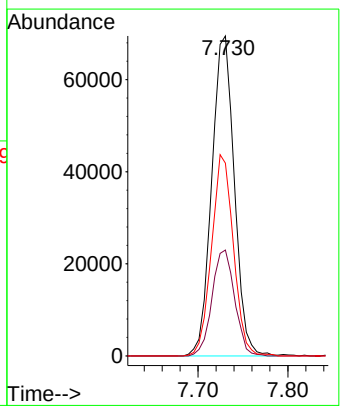
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

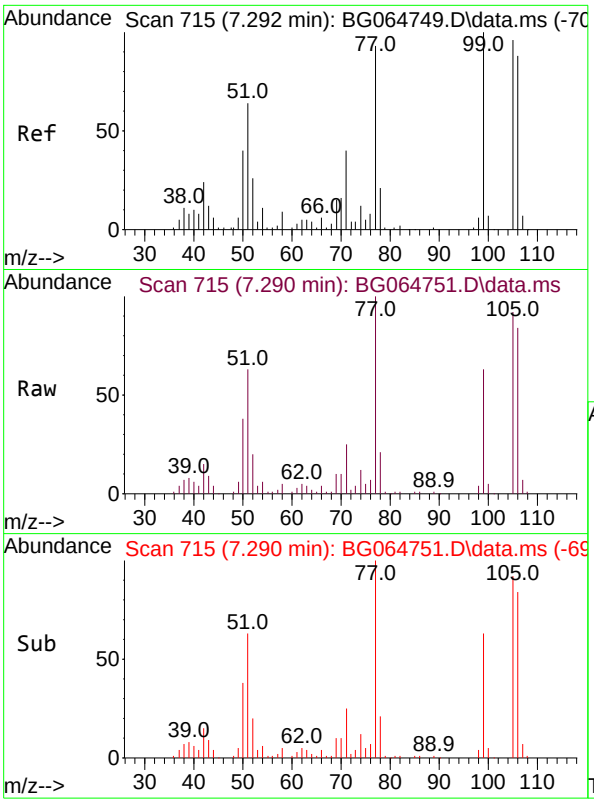


#8
2-Chlorophenol
Concen: 58.433 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:128 Resp: 121303

Ion	Ratio	Lower	Upper
128	100		
130	33.1	11.9	51.9
64	60.2	38.4	78.4

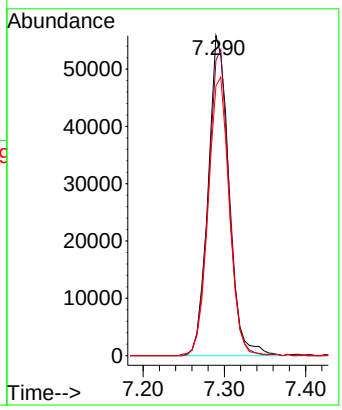




#9
Benzaldehyde
Concen: 60.402 ng
RT: 7.290 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 77 Resp: 9942

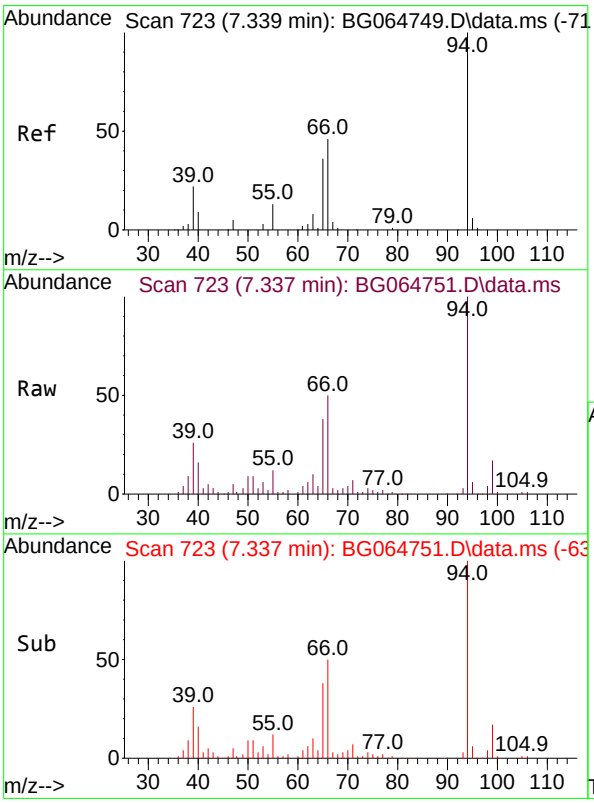
Ion	Ratio	Lower	Upper
77	100		
105	92.3	83.8	123.8
106	84.2	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

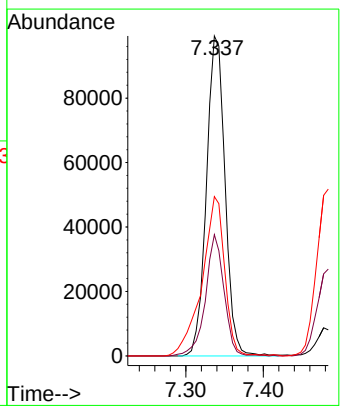
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

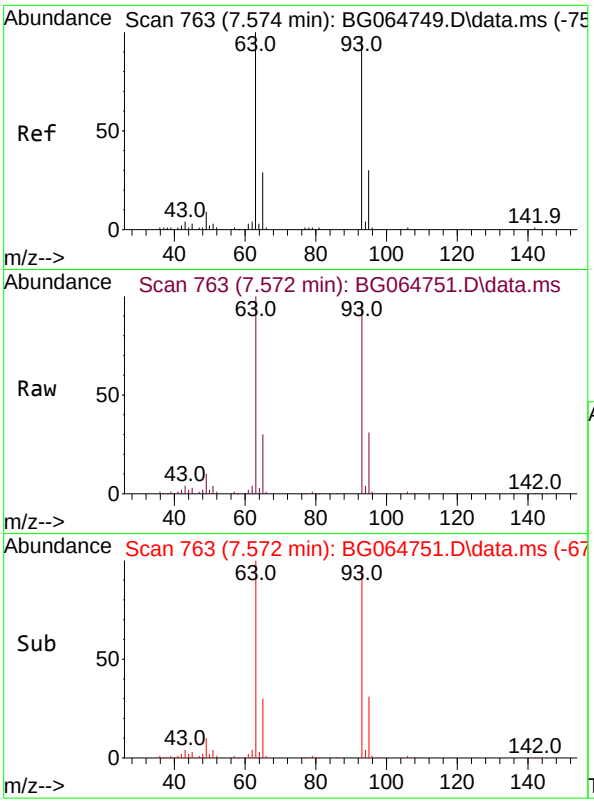


#10
Phenol
Concen: 60.421 ng
RT: 7.337 min Scan# 723
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 94 Resp: 165308

Ion	Ratio	Lower	Upper
94	100		
65	37.9	17.0	57.0
66	49.8	29.8	69.8

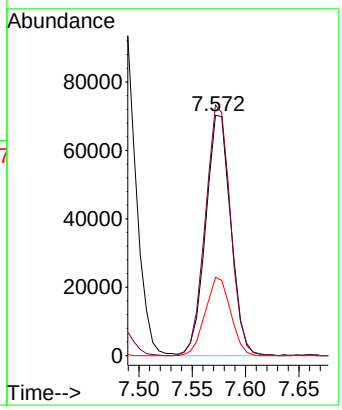




#11
bis(2-Chloroethyl)ether
Concen: 59.208 ng
RT: 7.572 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 11527

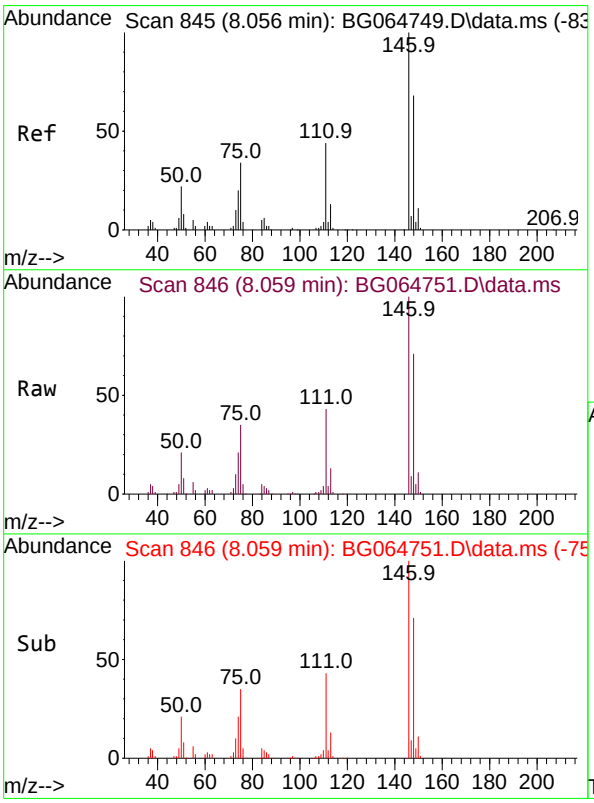
Ion	Ratio	Lower	Upper
93	100		
63	104.4	81.8	121.8
95	32.6	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

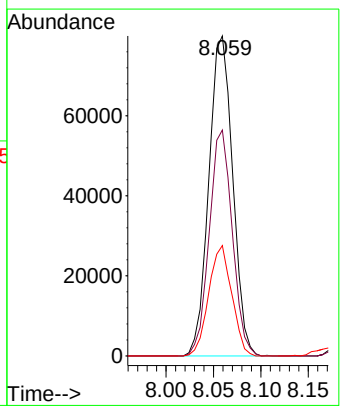
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

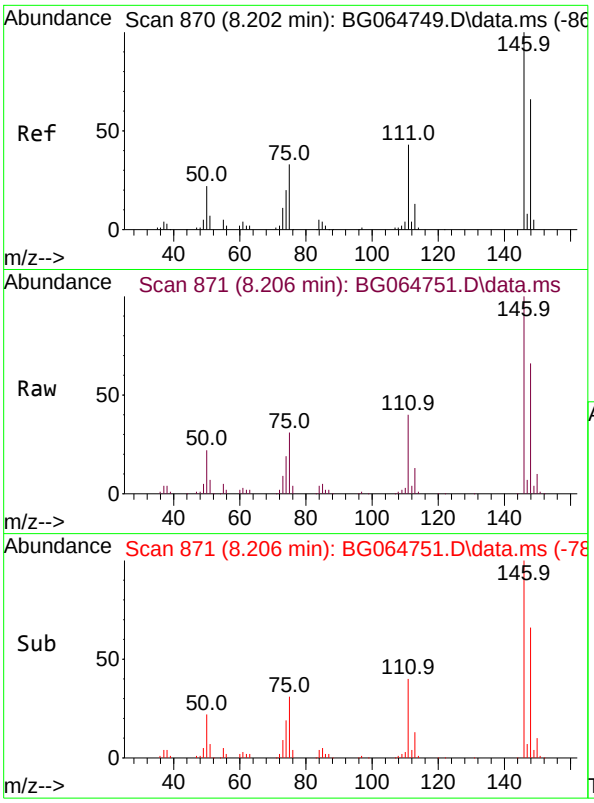


#12
1,3-Dichlorobenzene
Concen: 58.561 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 139888

Ion	Ratio	Lower	Upper
146	100		
148	70.6	54.6	82.0
75	34.5	27.6	41.4

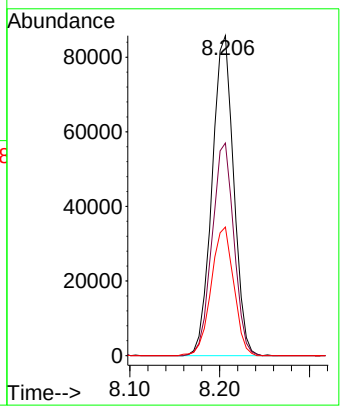




#13
1,4-Dichlorobenzene
Concen: 58.970 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 14343

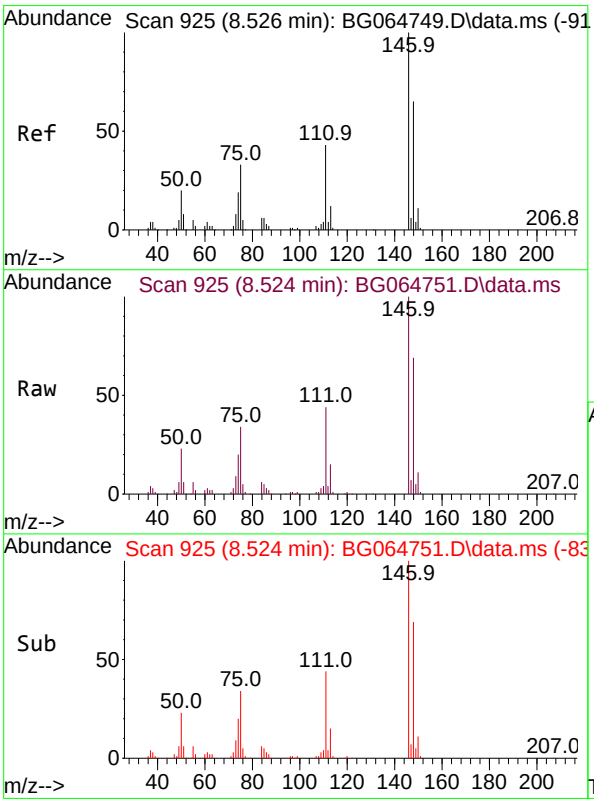
Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	40.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

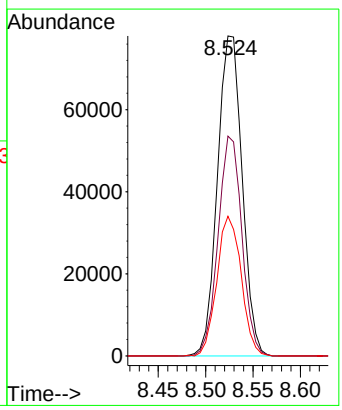
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

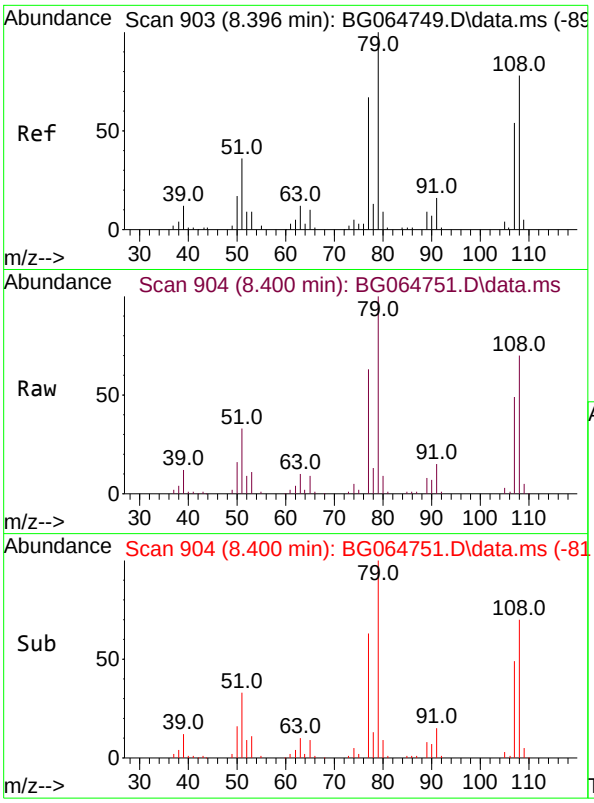


#14
1,2-Dichlorobenzene
Concen: 60.010 ng
RT: 8.524 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 141531

Ion	Ratio	Lower	Upper
146	100		
148	68.7	52.0	78.0
111	43.6	34.7	52.1

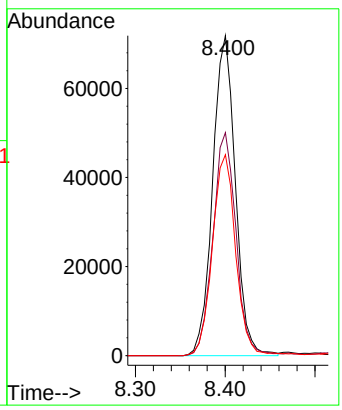




#15
Benzyl Alcohol
Concen: 61.236 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 79 Resp: 12639

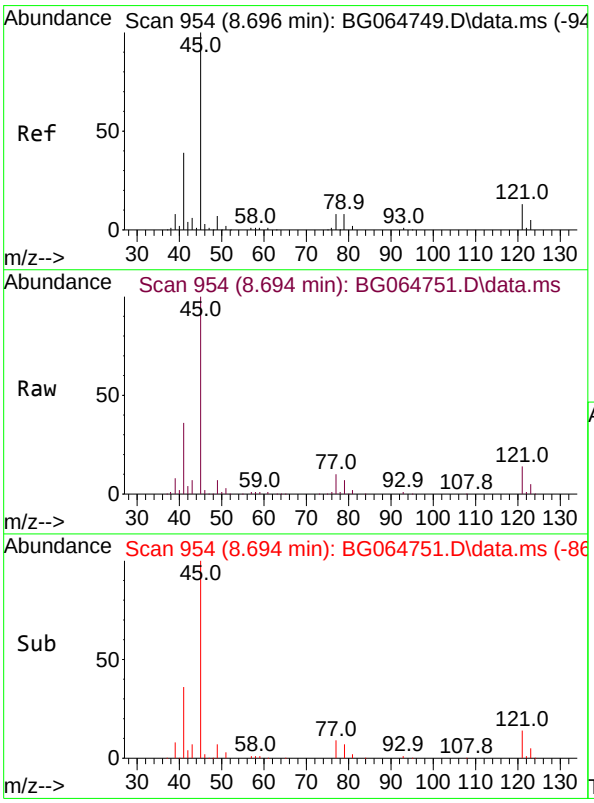
Ion	Ratio	Lower	Upper
79	100		
108	69.7	62.3	93.5
77	62.8	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

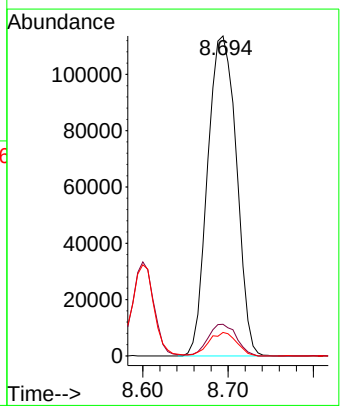
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

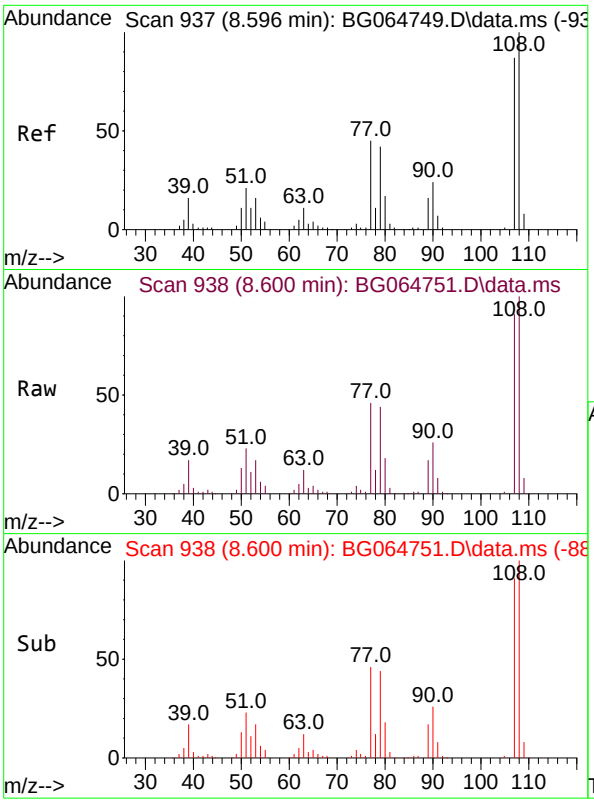


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.760 ng
RT: 8.694 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 45 Resp: 266169

Ion	Ratio	Lower	Upper
45	100		
77	9.9	0.0	28.8
79	7.3	0.0	28.1

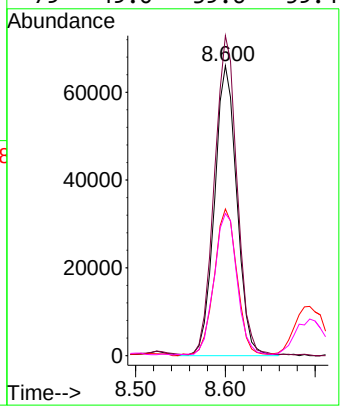




#17
2-Methylphenol
Concen: 59.160 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 11452

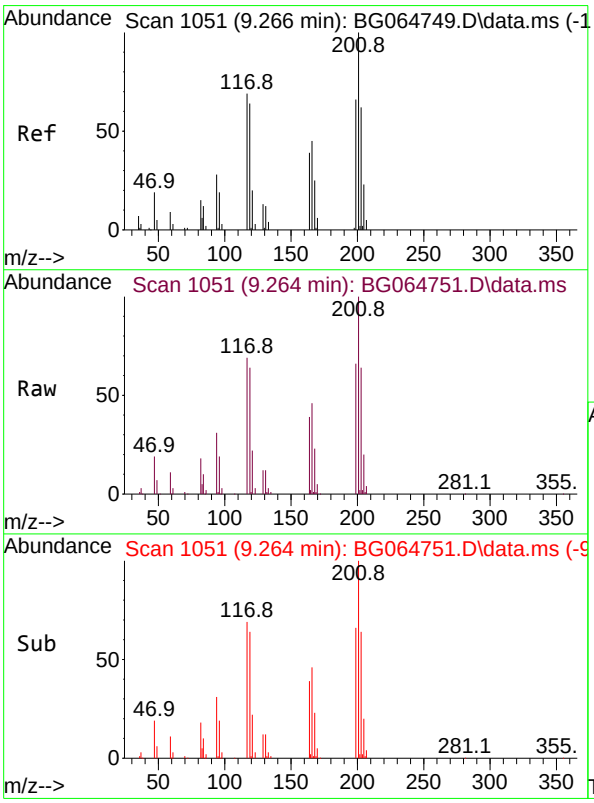
Ion	Ratio	Lower	Upper
107	100		
108	110.4	92.6	138.8
77	50.6	41.2	61.8
79	49.0	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

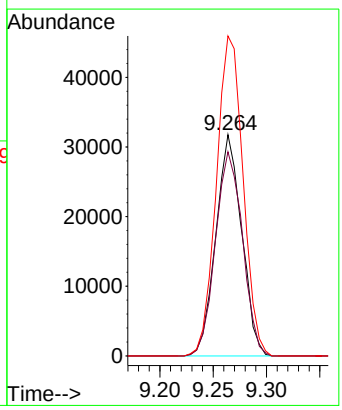
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

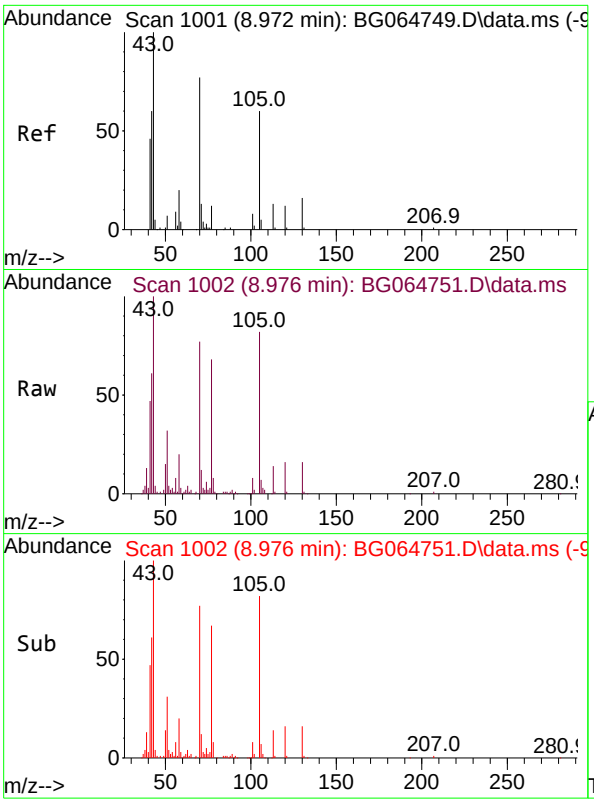


#18
Hexachloroethane
Concen: 58.188 ng
RT: 9.264 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:117 Resp: 53606

Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.4	111.6
201	144.6	116.5	174.7

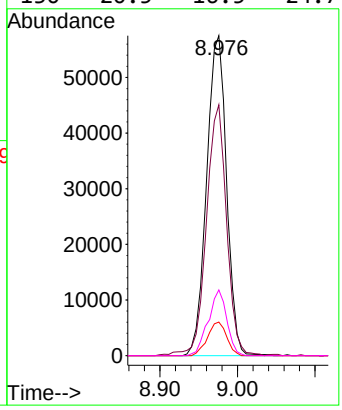




#19
n-Nitroso-di-n-propylamine
Concen: 60.360 ng
RT: 8.976 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 70 Resp: 10262

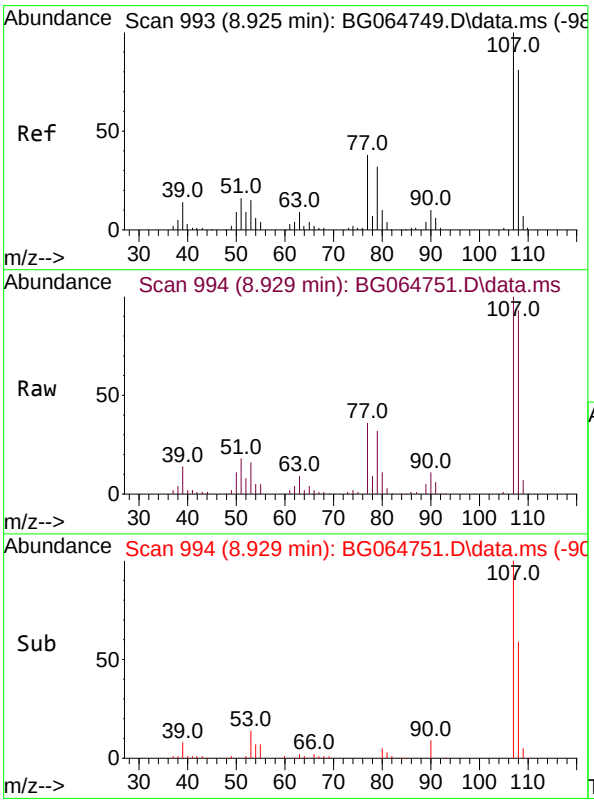
Ion	Ratio	Lower	Upper
70	100		
42	78.4	62.6	93.8
101	10.5	8.0	12.0
130	20.5	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

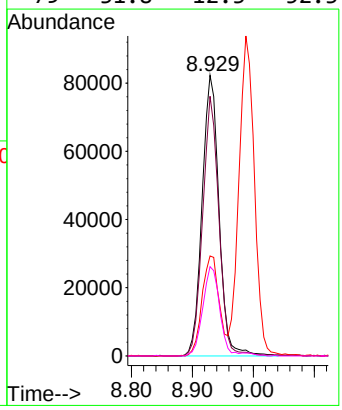
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

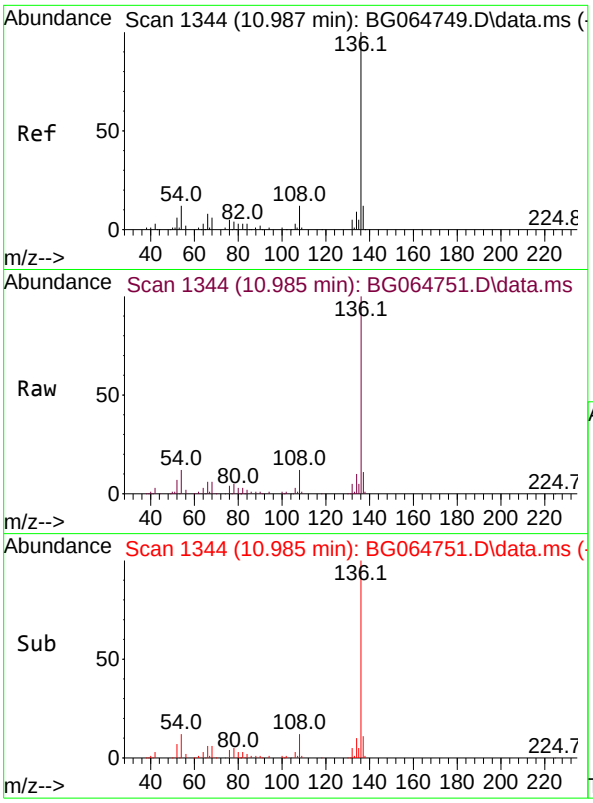


#20
3+4-Methylphenols
Concen: 59.841 ng
RT: 8.929 min Scan# 994
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 158700

Ion	Ratio	Lower	Upper
107	100		
108	92.5	61.0	101.0
77	35.6	17.6	57.6
79	31.8	12.3	52.3

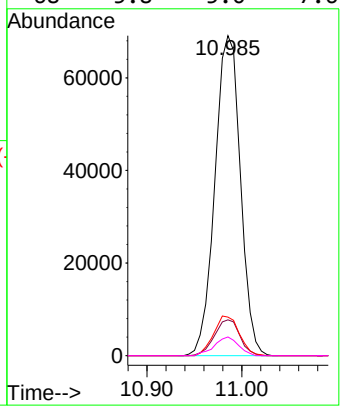




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:136 Resp: 12901

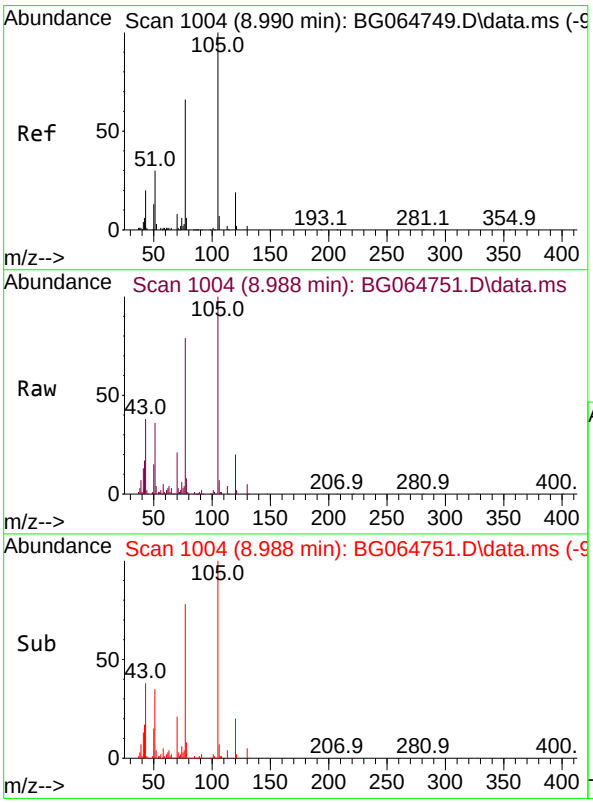
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	12.1	9.3	13.9
68	5.8	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

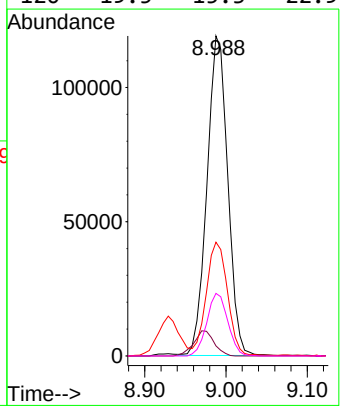
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

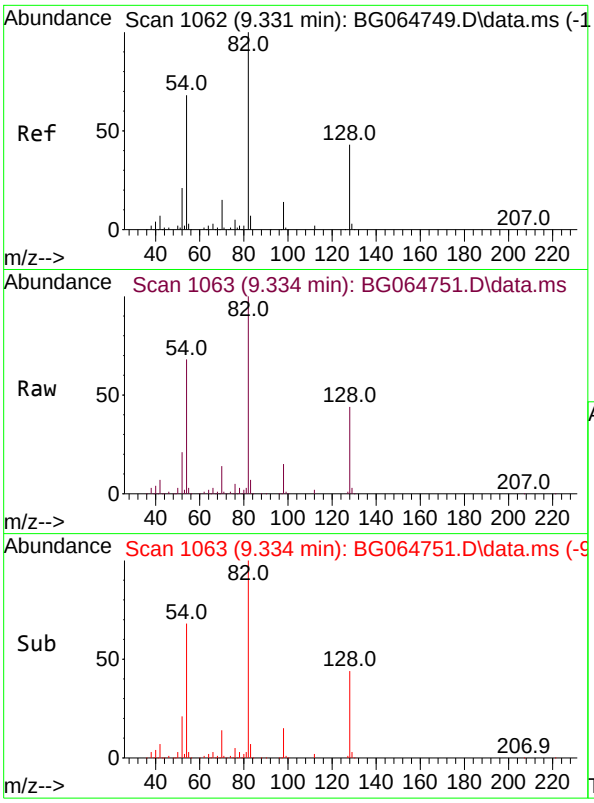


#22
Acetophenone
Concen: 60.179 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:105 Resp: 211524

Ion	Ratio	Lower	Upper
105	100		
71	3.1	1.3	1.9#
51	35.5	27.9	41.9
120	19.5	15.3	22.9

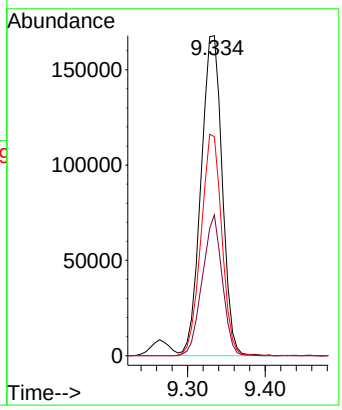




#23
Nitrobenzene-d5
Concen: 121.869 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 82 Resp: 31800

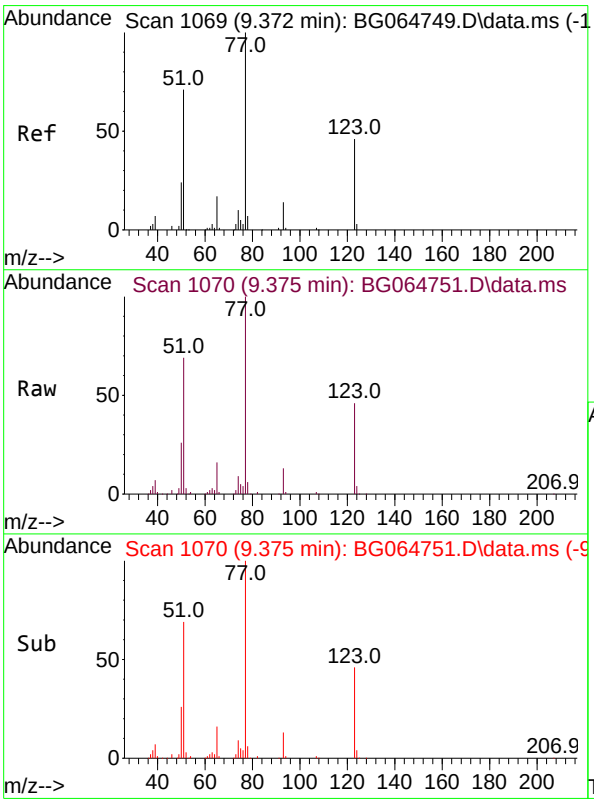
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.1	51.1
54	68.4	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

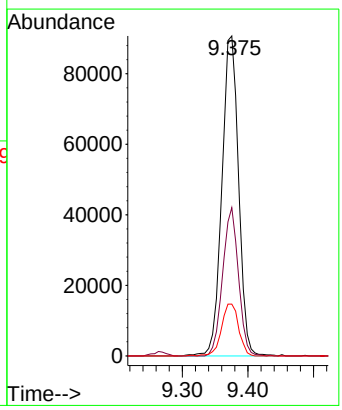
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

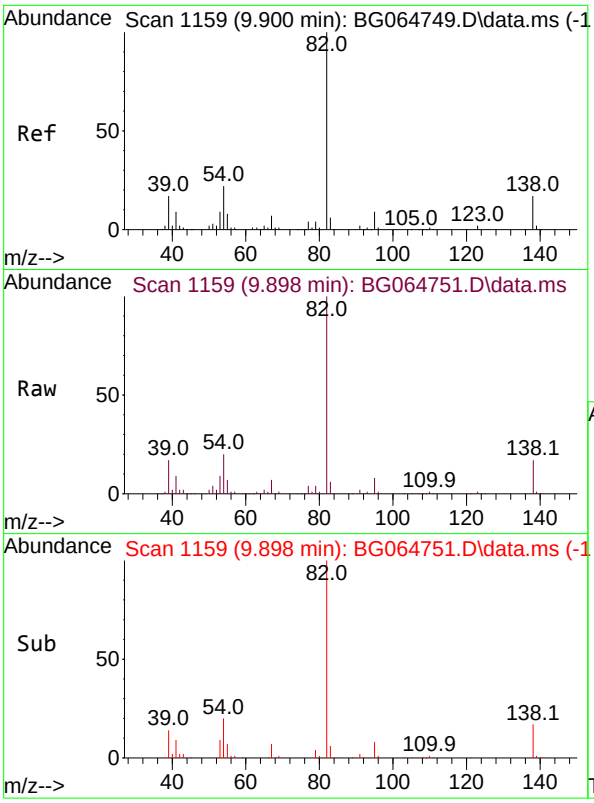


#24
Nitrobenzene
Concen: 60.949 ng
RT: 9.375 min Scan# 1070
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 77 Resp: 160696

Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.5	54.7
65	16.2	13.5	20.3

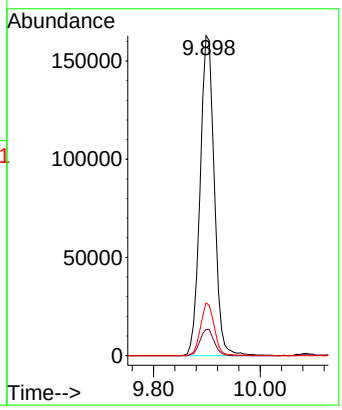




#25
Isophorone
Concen: 60.543 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 82 Resp: 30084

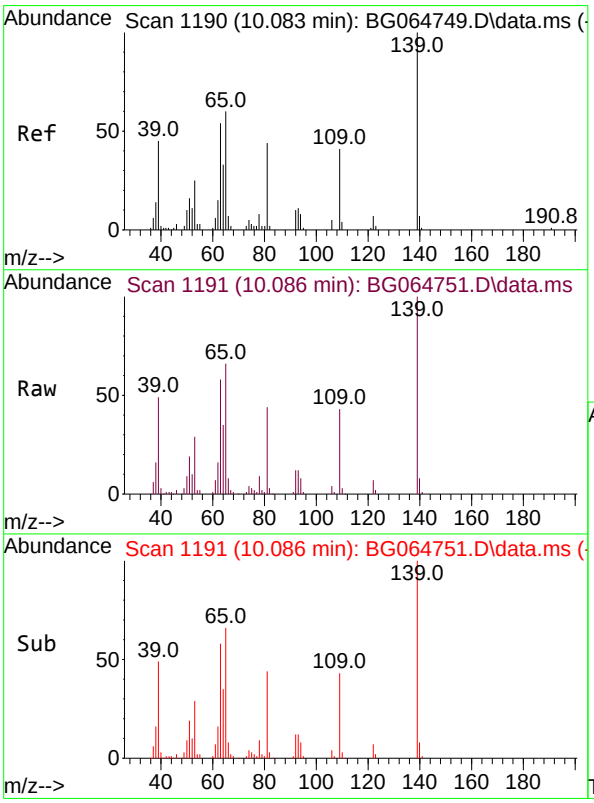
Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.9	10.3
138	16.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

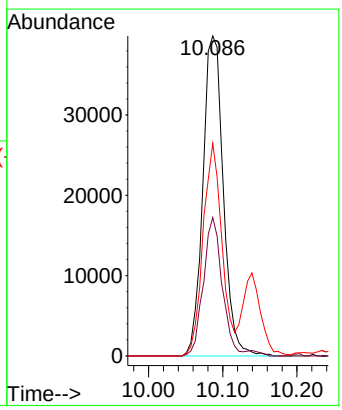
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

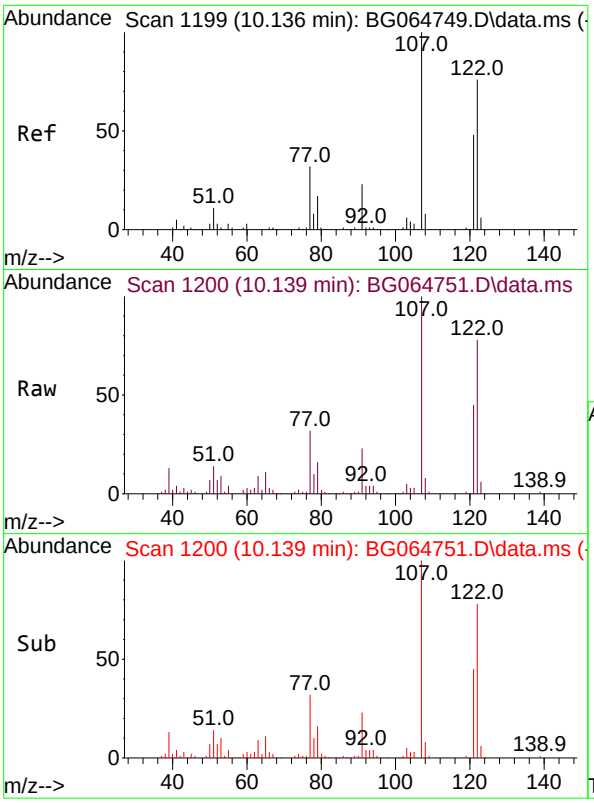


#26
2-Nitrophenol
Concen: 64.325 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:139 Resp: 76283

Ion	Ratio	Lower	Upper
139	100		
109	43.2	32.5	48.7
65	66.4	47.6	71.4

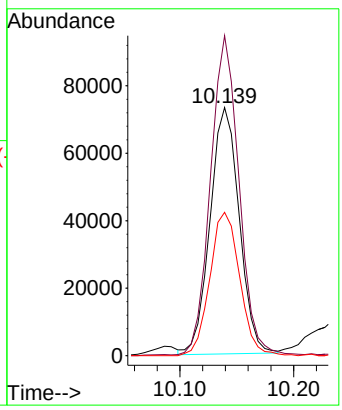




#27
2,4-Dimethylphenol
Concen: 61.791 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:122 Resp: 13018

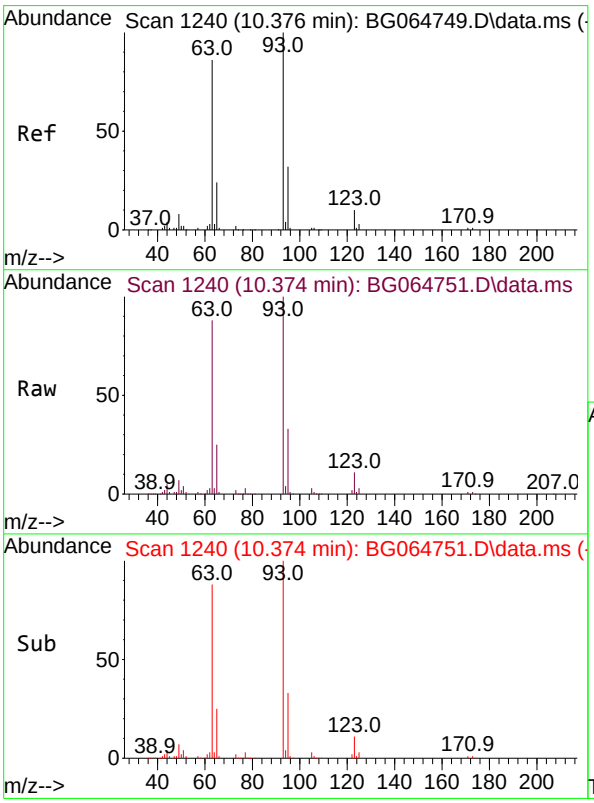
Ion	Ratio	Lower	Upper
122	100		
107	128.9	102.5	153.7
121	57.7	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

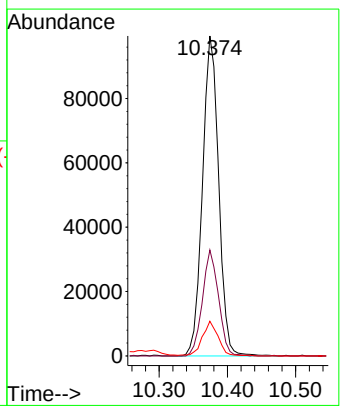
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

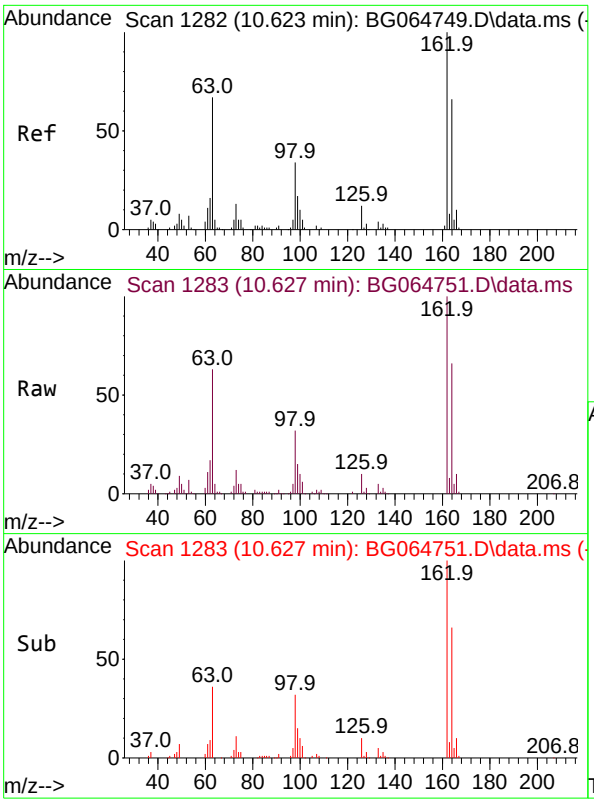


#28
bis(2-Chloroethoxy)methane
Concen: 60.037 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 163781

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.2
123	10.8	8.1	12.1





#29
2,4-Dichlorophenol
Concen: 62.500 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

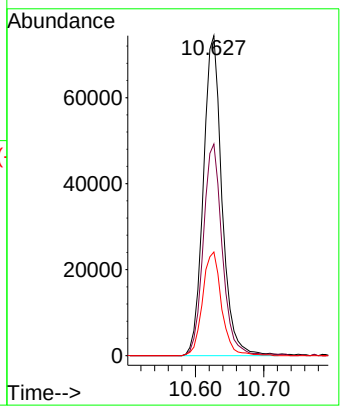
Tgt Ion:162 Resp: 14137

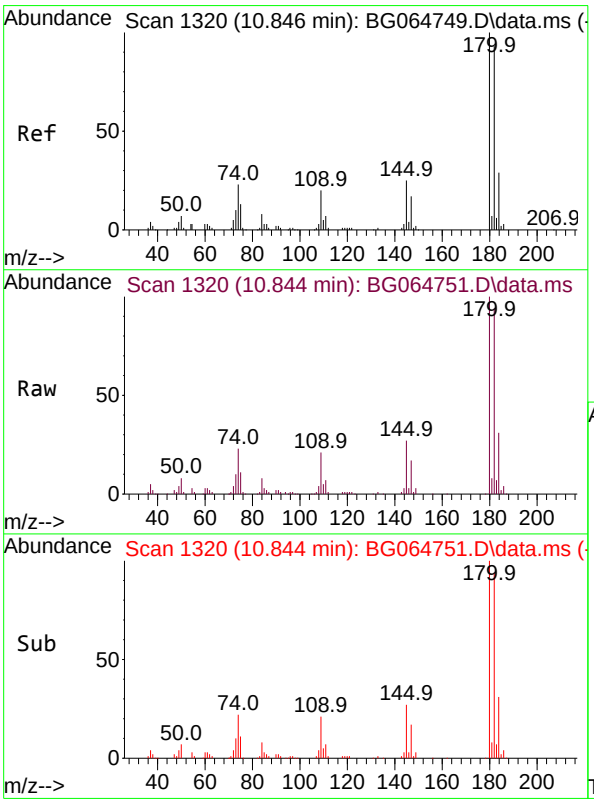
Ion	Ratio	Lower	Upper
162	100		
164	66.1	46.0	86.0
98	32.4	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

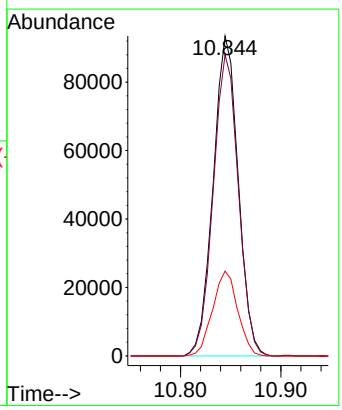


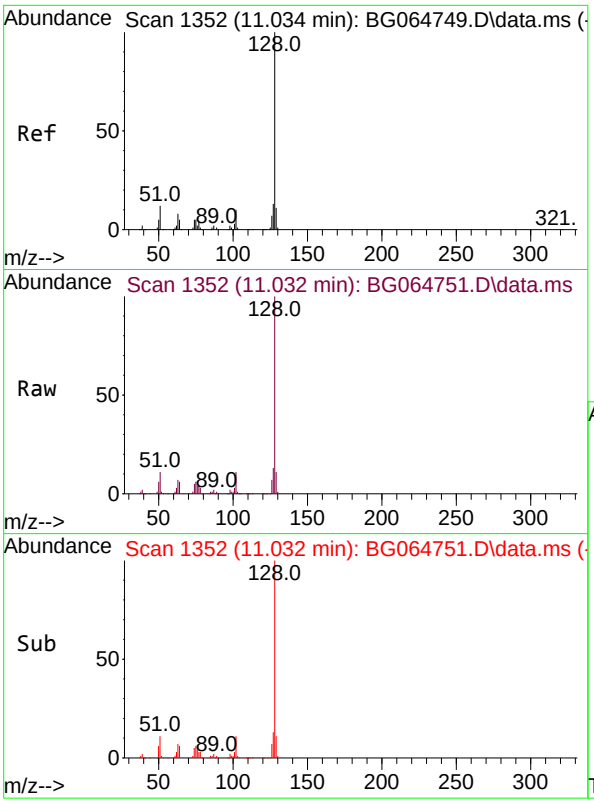


#30
1,2,4-Trichlorobenzene
Concen: 59.307 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:180 Resp: 161988

Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.2	111.4
145	26.5	20.0	30.0

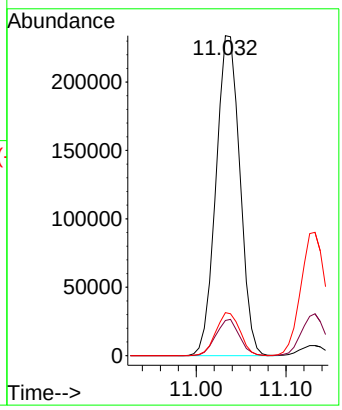




#31
Naphthalene
Concen: 59.254 ng
RT: 11.032 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:128 Resp: 43336

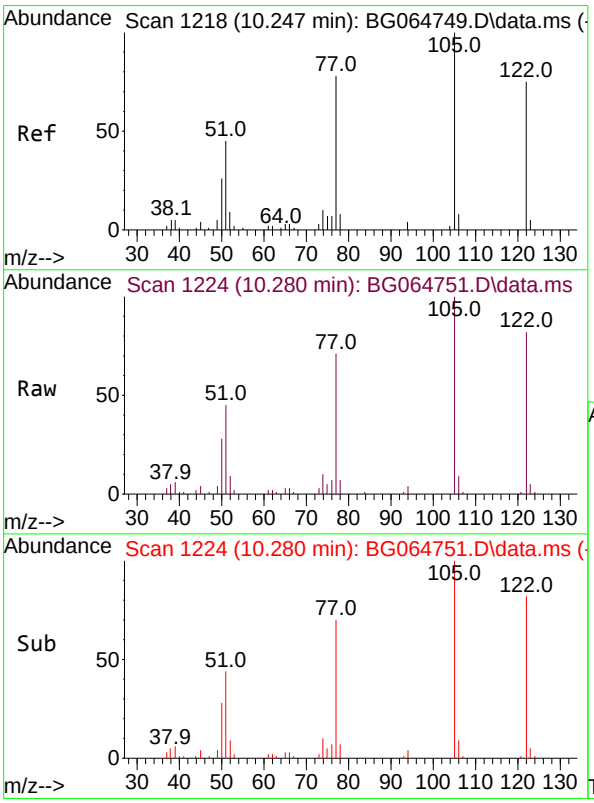
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

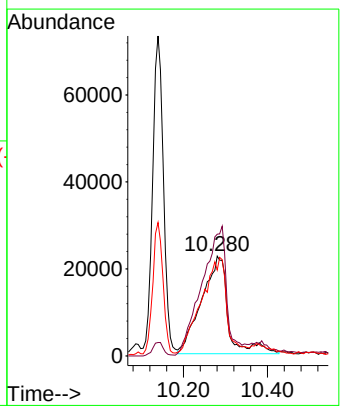
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

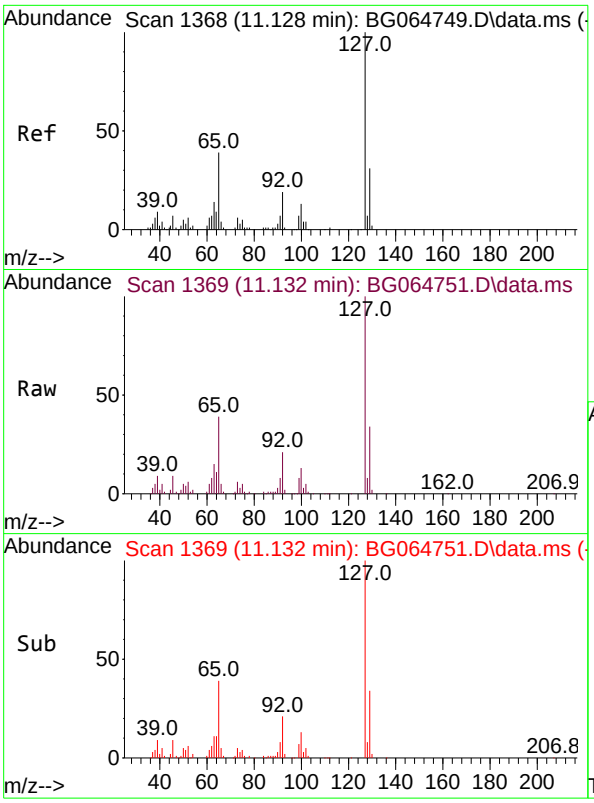


#32
Benzoic acid
Concen: 64.105 ng m
RT: 10.280 min Scan# 1224
Delta R.T. 0.033 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:122 Resp: 98796

Ion	Ratio	Lower	Upper
122	100		
105	122.0	107.6	147.6
77	86.1	82.5	122.5

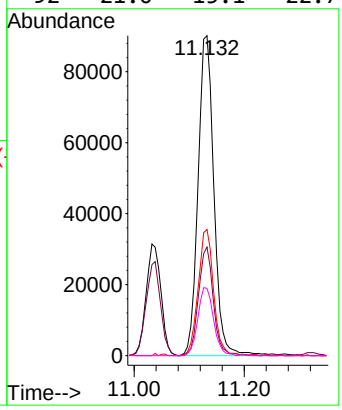




#33
4-Chloroaniline
Concen: 61.662 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:127 Resp: 18039

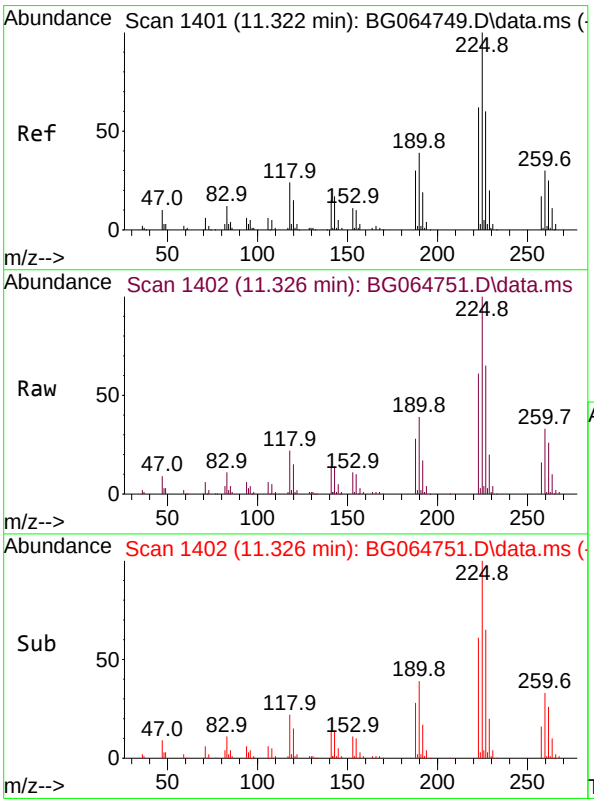
Ion	Ratio	Lower	Upper
127	100		
129	33.9	24.9	37.3
65	39.4	30.9	46.3
92	21.0	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

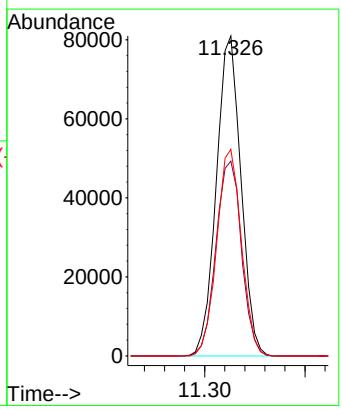
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

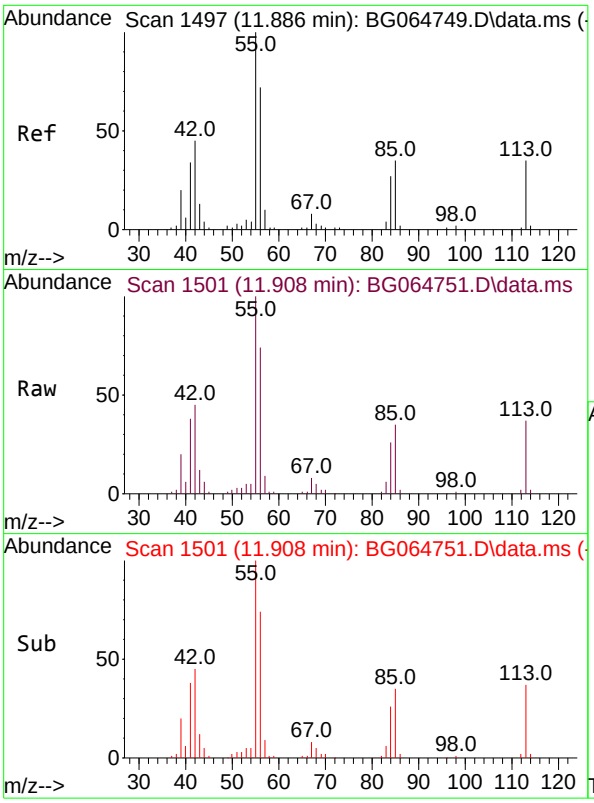


#34
Hexachlorobutadiene
Concen: 58.901 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:225 Resp: 138036

Ion	Ratio	Lower	Upper
225	100		
223	58.6	49.9	74.9
227	62.1	50.6	75.8





#35
Caprolactam
Concen: 61.260 ng
RT: 11.908 min Scan# 1
Delta R.T. 0.021 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

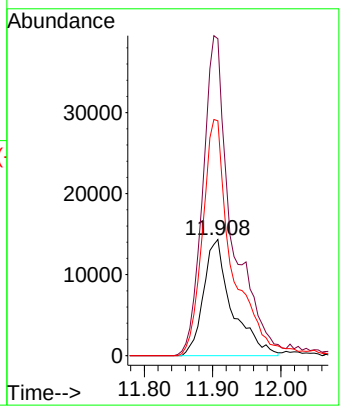
Instrument :
BNA_G
ClientSampleId :
SSTDICC060

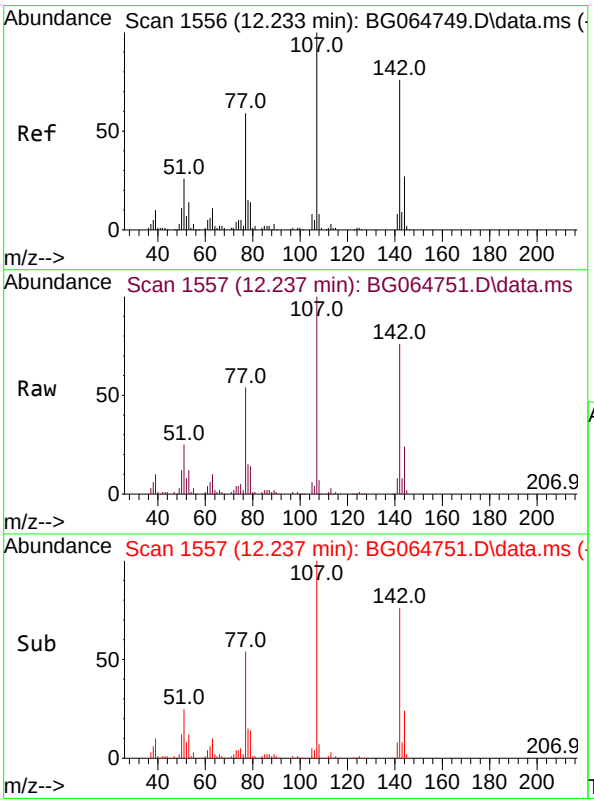
Tgt Ion:113 Resp: 4140

Ion	Ratio	Lower	Upper
113	100		
55	273.1	263.7	303.7
56	202.3	184.0	224.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

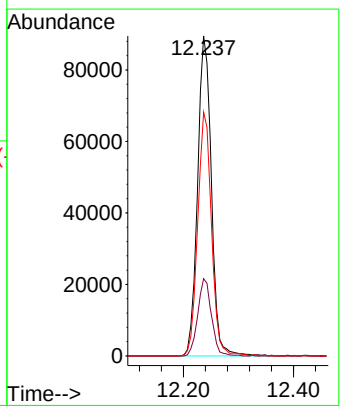


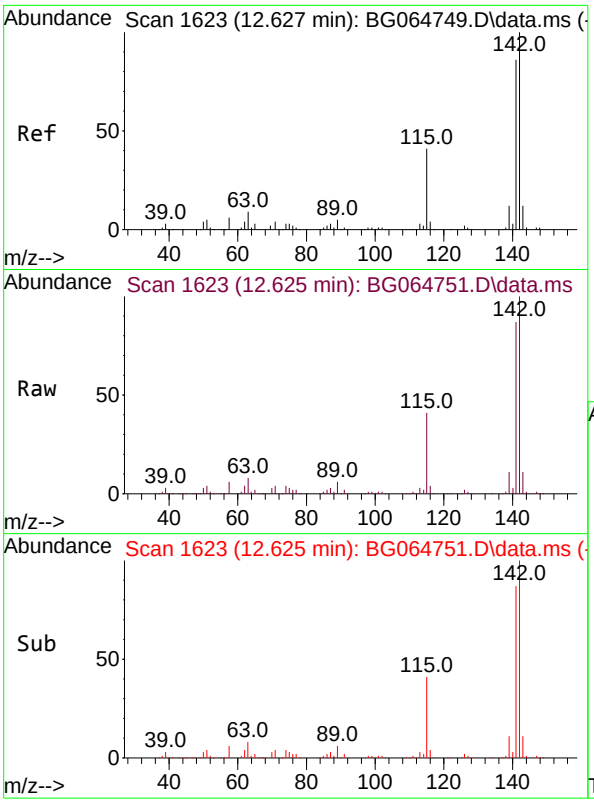


#36
4-Chloro-3-methylphenol
Concen: 61.757 ng
RT: 12.237 min Scan# 1557
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 155480

Ion	Ratio	Lower	Upper
107	100		
144	24.1	21.7	32.5
142	76.2	60.8	91.2

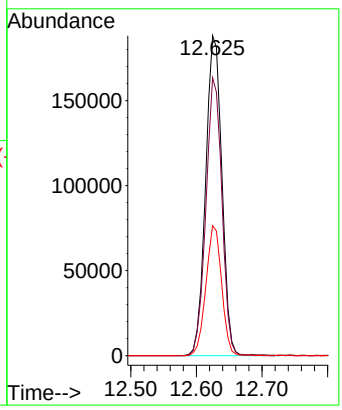




#37
2-Methylnaphthalene
Concen: 59.046 ng
RT: 12.625 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:142 Resp: 32316

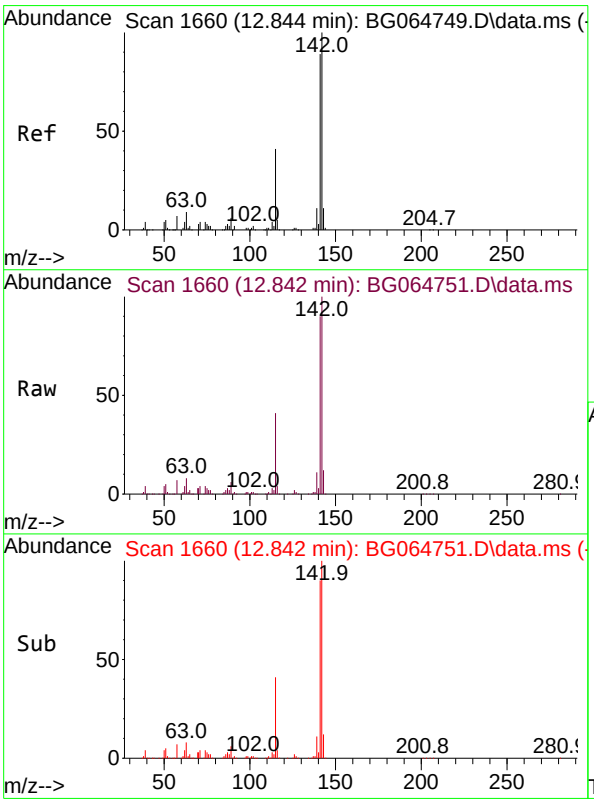
Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.1	103.7
115	40.6	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

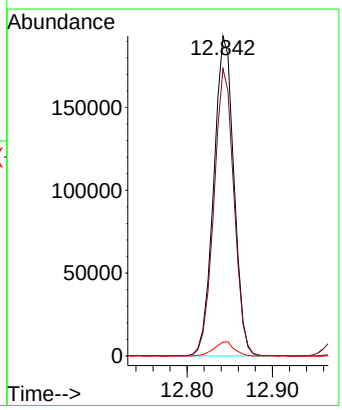
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

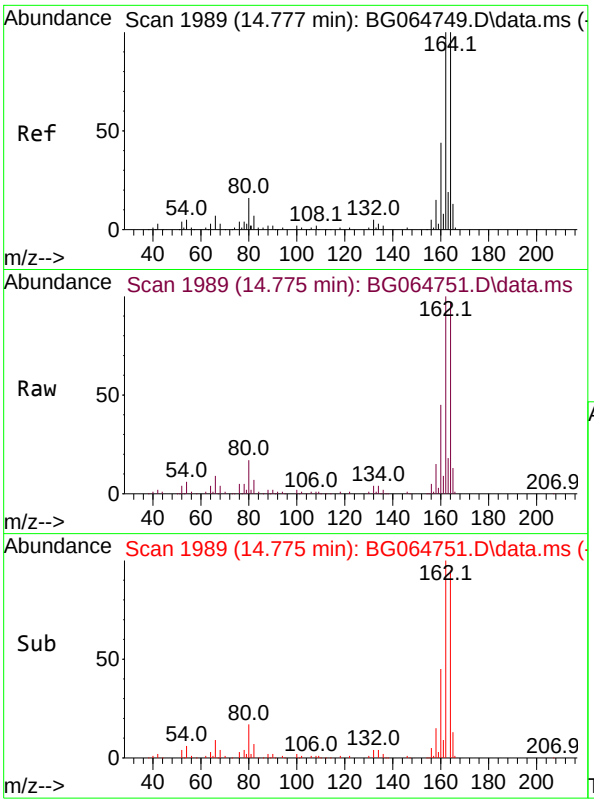


#38
1-Methylnaphthalene
Concen: 58.353 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:142 Resp: 317238

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
116	4.3	3.7	5.5

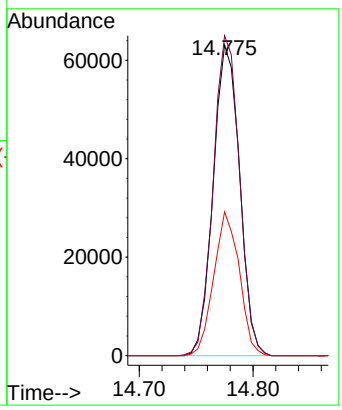




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:164 Resp: 101714

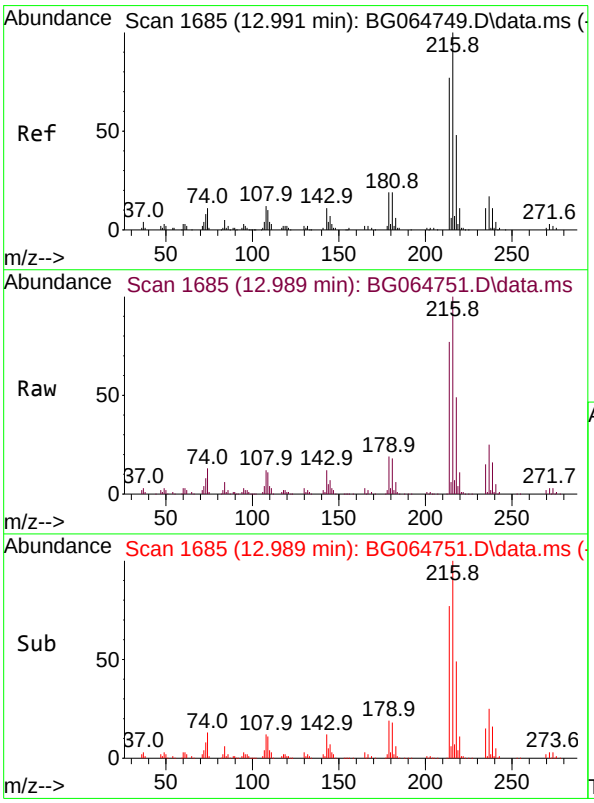
Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.8	119.6
160	46.3	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

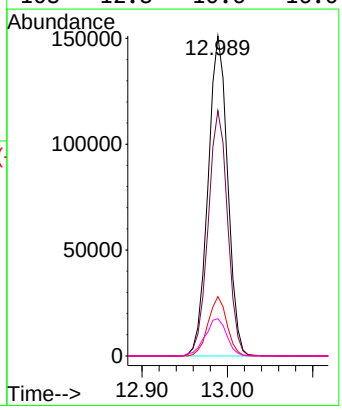
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

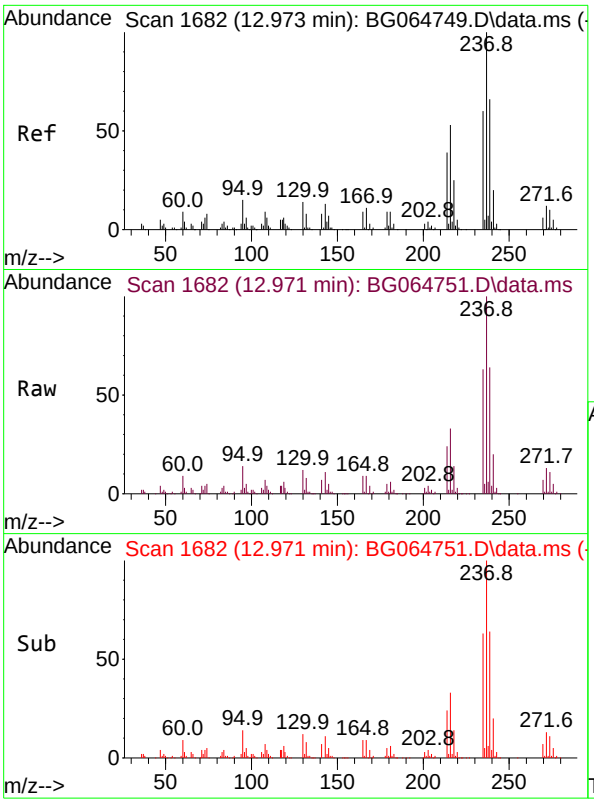


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.852 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:216 Resp: 240877

Ion	Ratio	Lower	Upper
216	100		
214	75.9	60.5	90.7
179	17.8	14.7	22.1
108	12.8	10.6	16.0

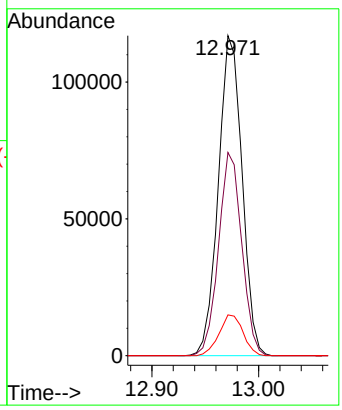




#41
Hexachlorocyclopentadiene
Concen: 63.670 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:237 Resp: 18065

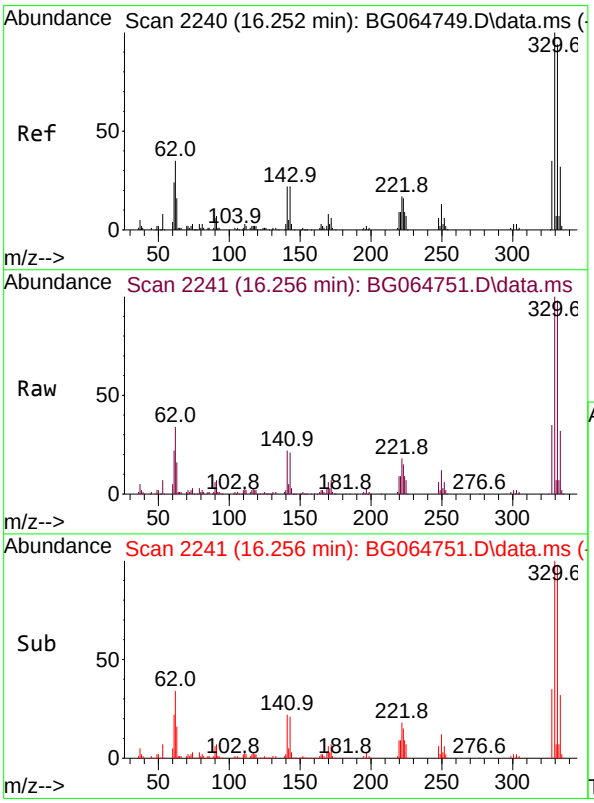
Ion	Ratio	Lower	Upper
237	100		
235	63.5	40.2	80.2
272	12.7	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

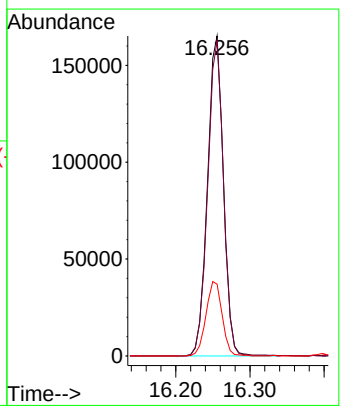
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

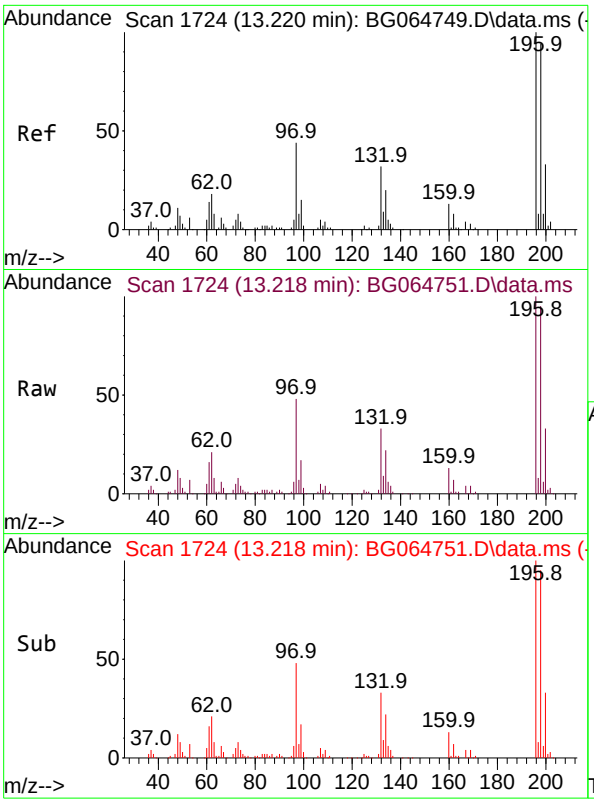


#42
2,4,6-Tribromophenol
Concen: 123.984 ng
RT: 16.256 min Scan# 2241
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:330 Resp: 245951

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	23.5	18.2	27.2

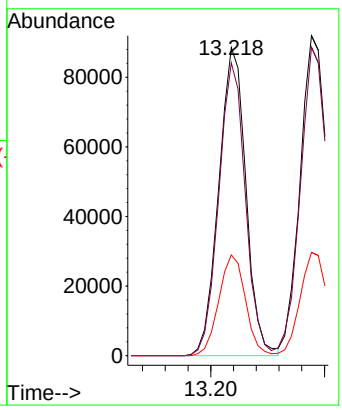




#43
2,4,6-Trichlorophenol
Concen: 63.209 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:196 Resp: 14685

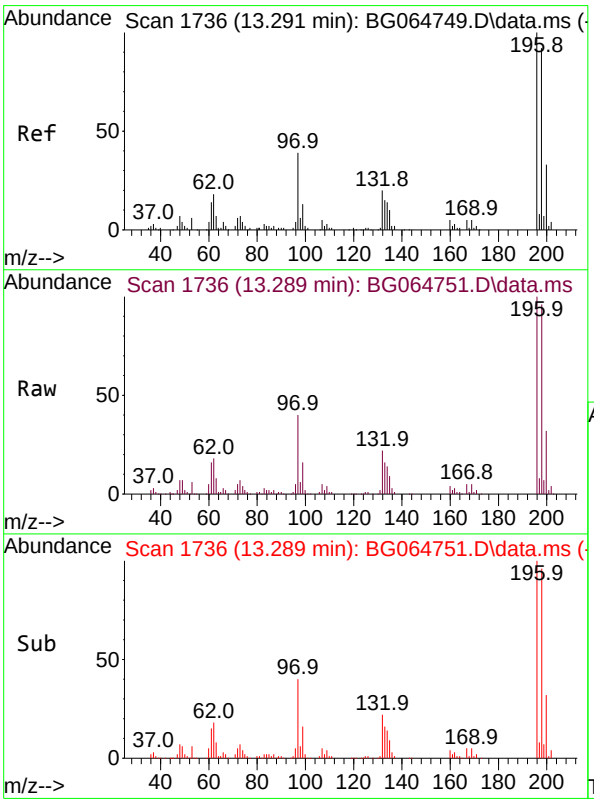
Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.3	112.9
200	32.7	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

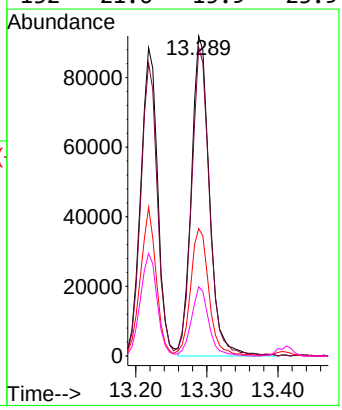
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

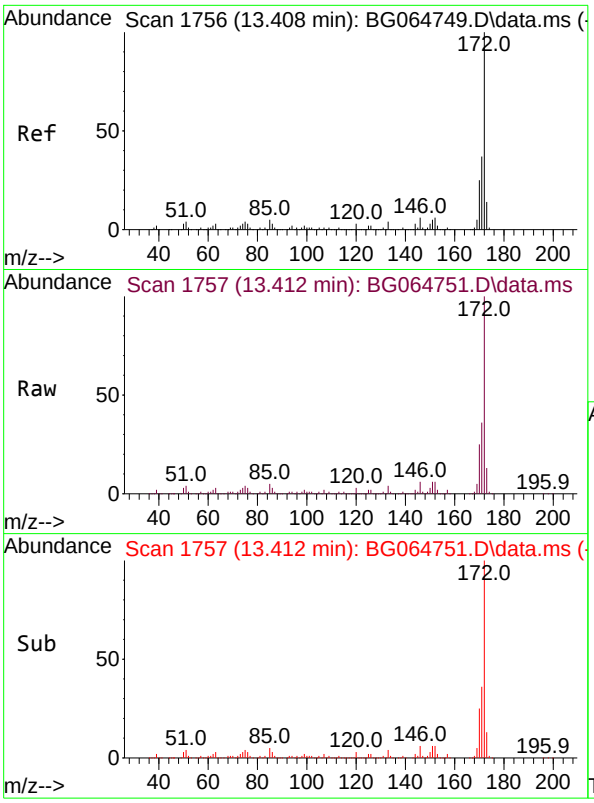


#44
2,4,5-Trichlorophenol
Concen: 62.163 ng
RT: 13.289 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:196 Resp: 161978

Ion	Ratio	Lower	Upper
196	100		
198	96.4	73.2	109.8
97	39.8	31.4	47.0
132	21.6	15.9	23.9

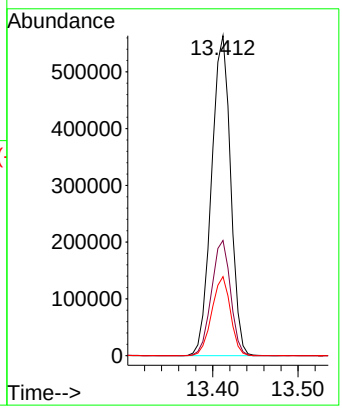




#45
2-Fluorobiphenyl
Concen: 120.069 ng
RT: 13.412 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:172 Resp: 87524

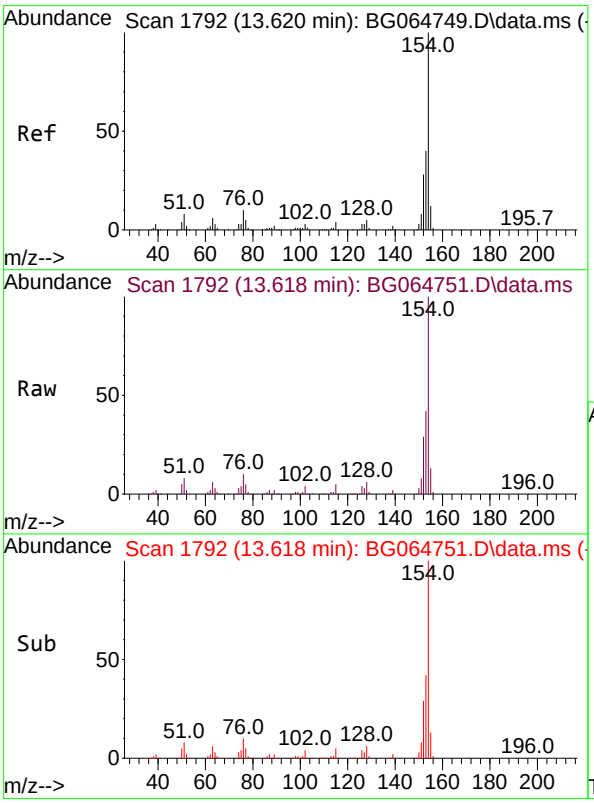
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

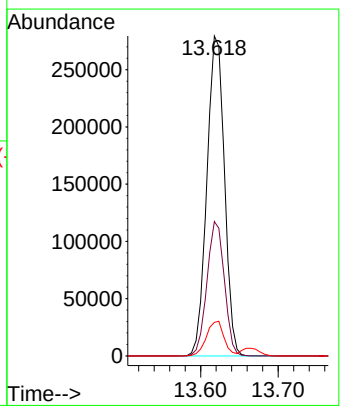
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

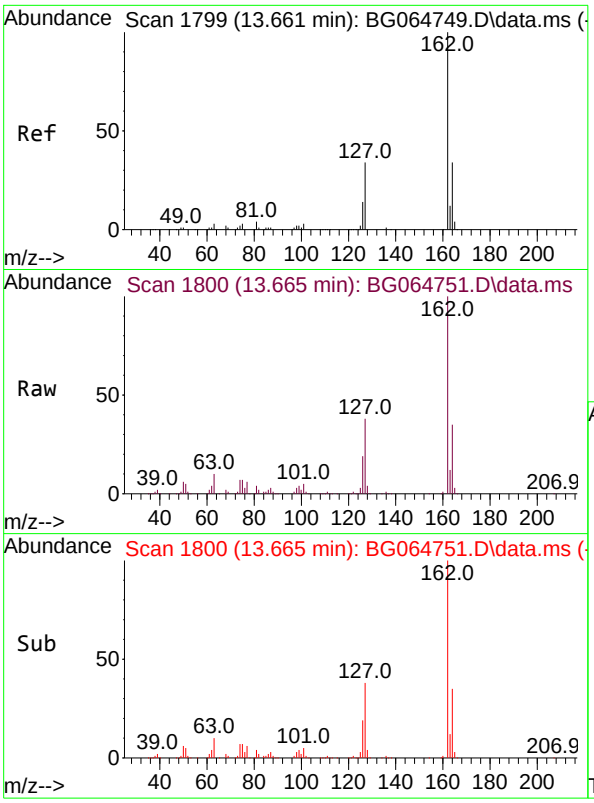


#46
1,1'-Biphenyl
Concen: 60.188 ng
RT: 13.618 min Scan# 1792
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:154 Resp: 439700

Ion	Ratio	Lower	Upper
154	100		
153	42.0	19.8	59.8
76	10.5	0.0	30.0

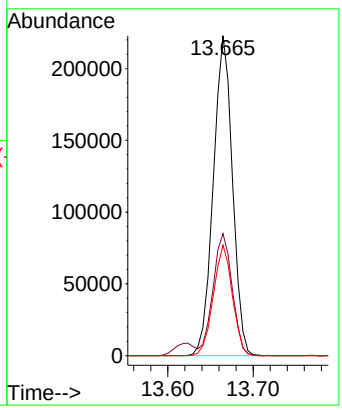




#47
2-Chloronaphthalene
Concen: 60.317 ng
RT: 13.665 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:162 Resp: 34715

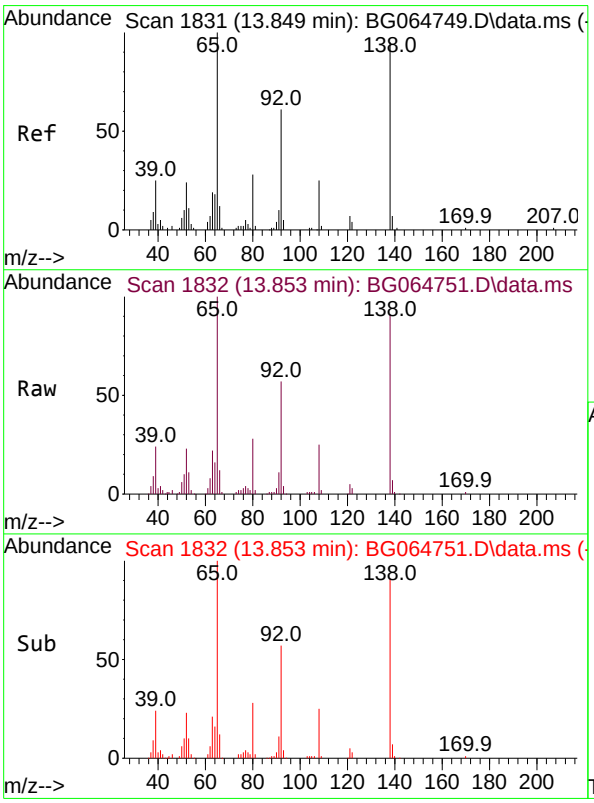
Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.3	45.5
164	34.5	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

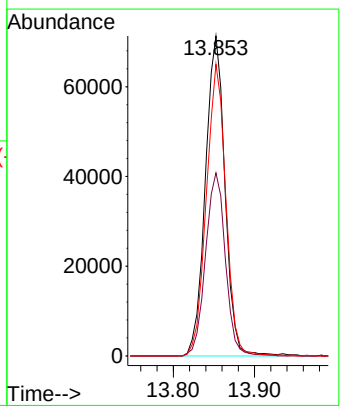
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

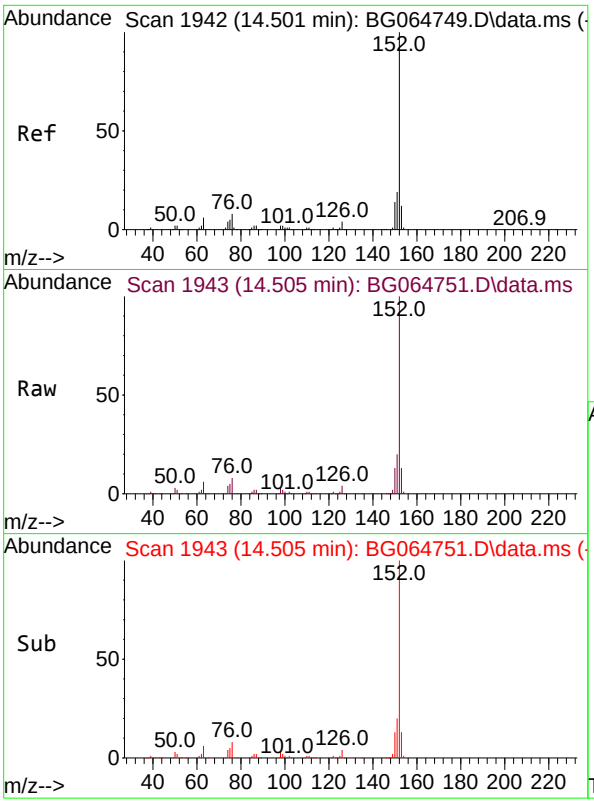


#48
2-Nitroaniline
Concen: 64.470 ng
RT: 13.853 min Scan# 1832
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 65 Resp: 119346

Ion	Ratio	Lower	Upper
65	100		
92	57.2	48.6	73.0
138	91.1	76.4	114.6

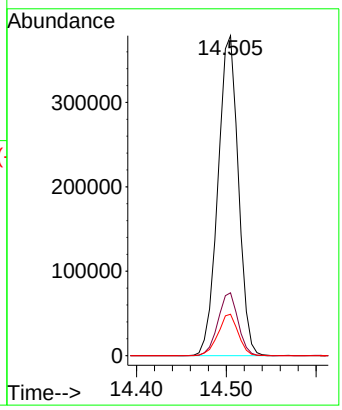




#49
Acenaphthylene
Concen: 61.036 ng
RT: 14.505 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:152 Resp: 60014

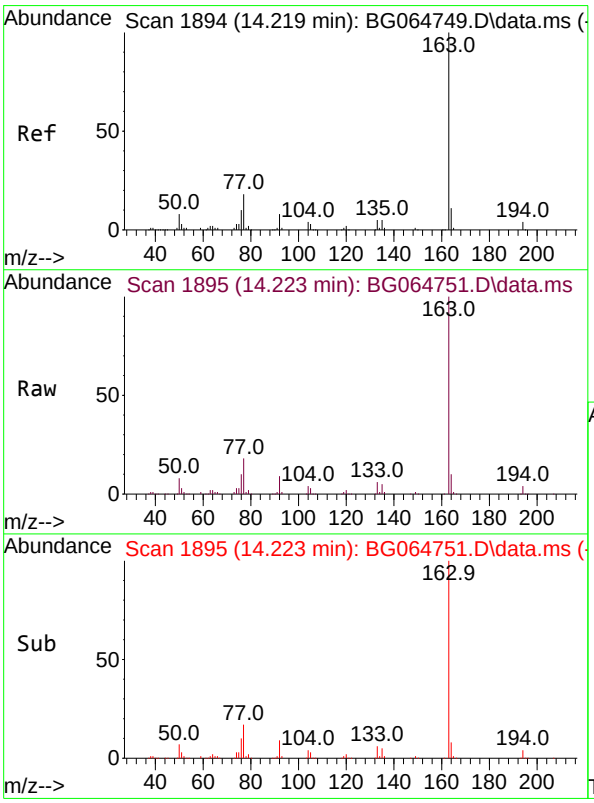
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.0	22.4
153	12.9	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

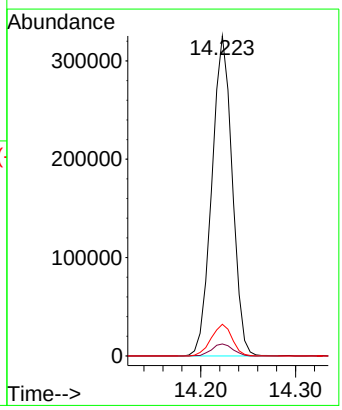
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

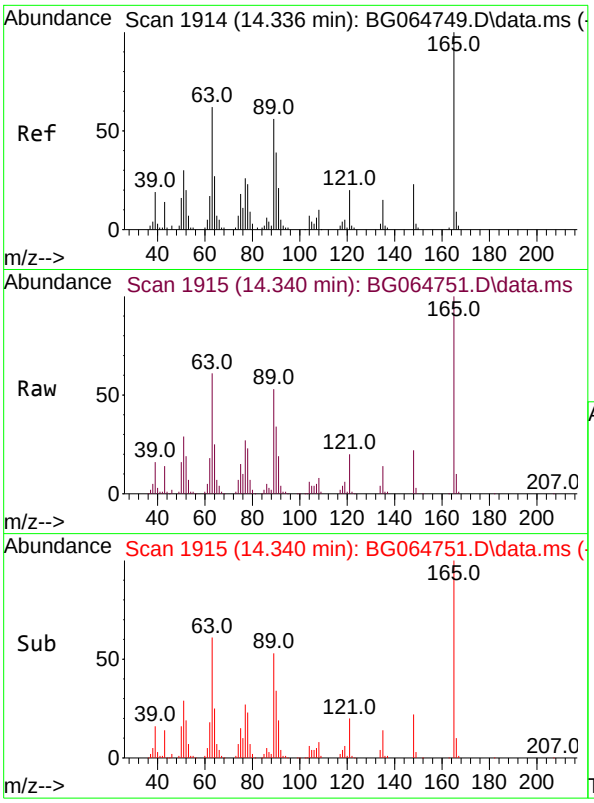


#50
Dimethylphthalate
Concen: 60.458 ng
RT: 14.223 min Scan# 1895
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:163 Resp: 485762

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.9	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 63.495 ng
RT: 14.340 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

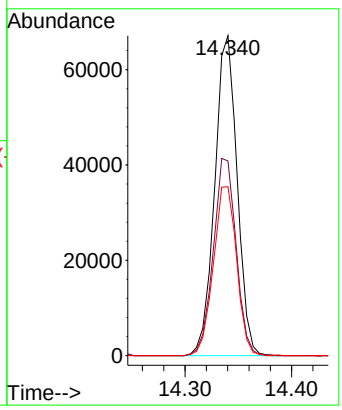
Tgt Ion:165 Resp: 9816

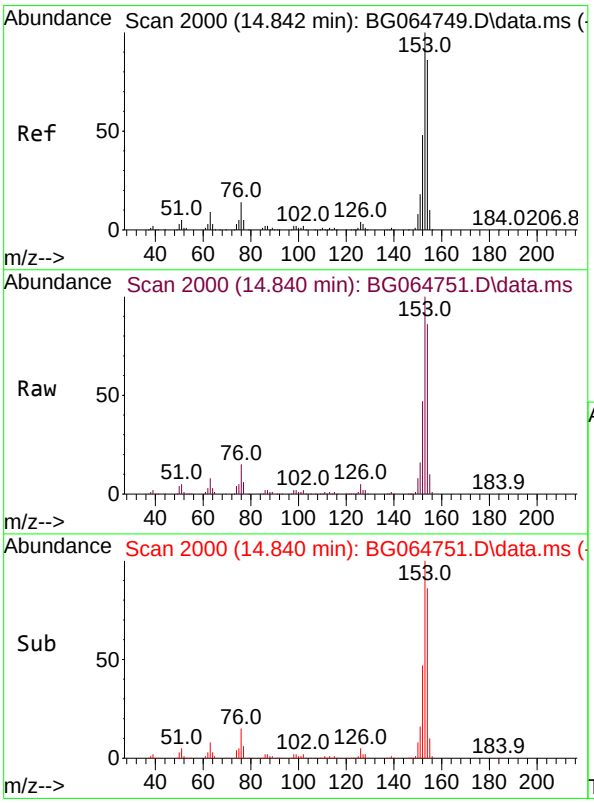
Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.8	74.8
89	52.8	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

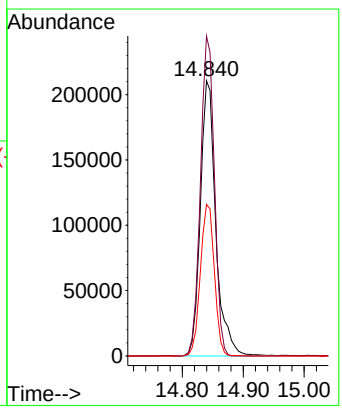


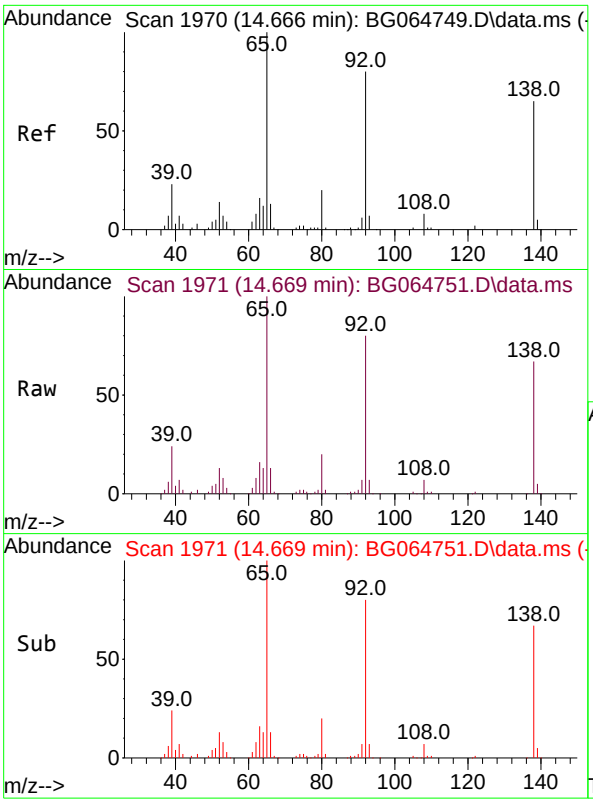


#52
Acenaphthene
Concen: 62.799 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:154 Resp: 370233

Ion	Ratio	Lower	Upper
154	100		
153	116.3	93.0	139.4
152	55.0	44.4	66.6





#53
3-Nitroaniline
Concen: 65.234 ng
RT: 14.669 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

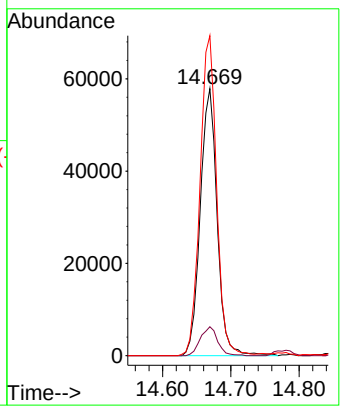
Tgt Ion:138 Resp: 9954

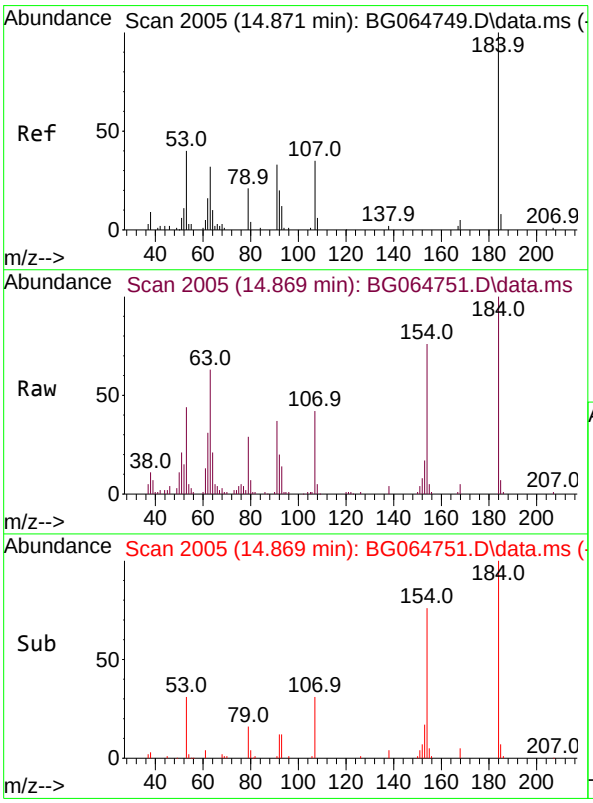
Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.5	14.3
92	119.9	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

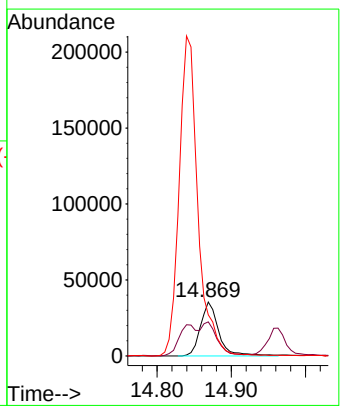


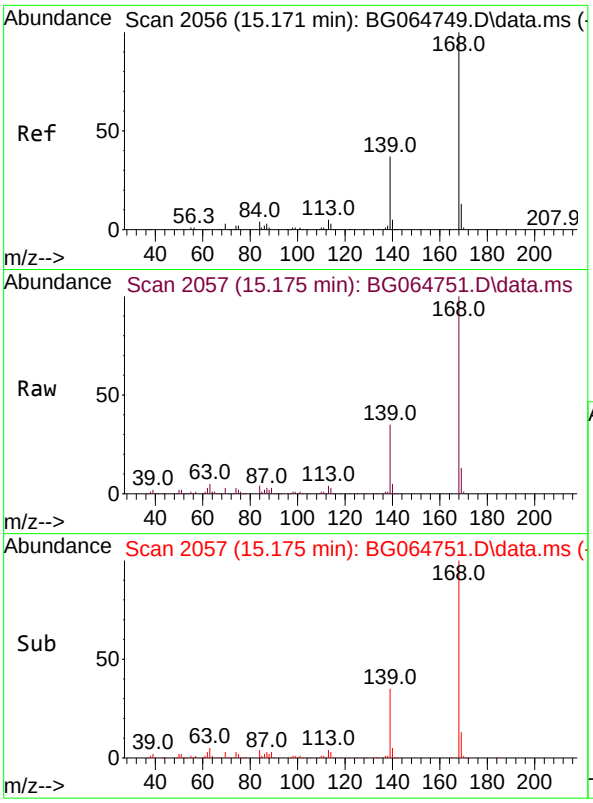


#54
2,4-Dinitrophenol
Concen: 59.432 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:184 Resp: 60324

Ion	Ratio	Lower	Upper
184	100		
63	63.0	45.8	68.6
154	76.2	52.6	78.8

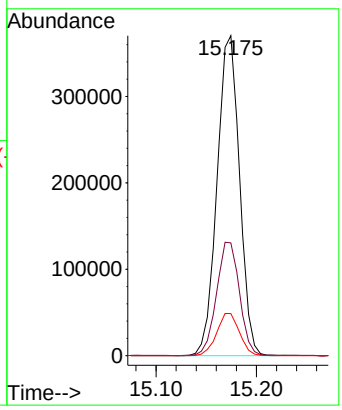




#55
Dibenzofuran
Concen: 59.147 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:168 Resp: 57648

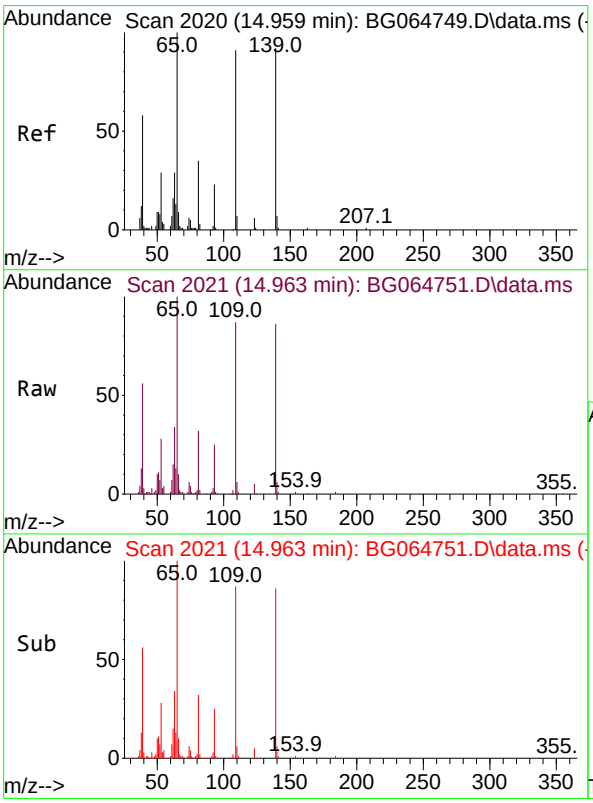
Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.5	44.3
169	13.1	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

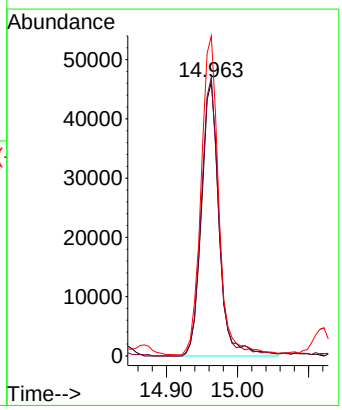
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

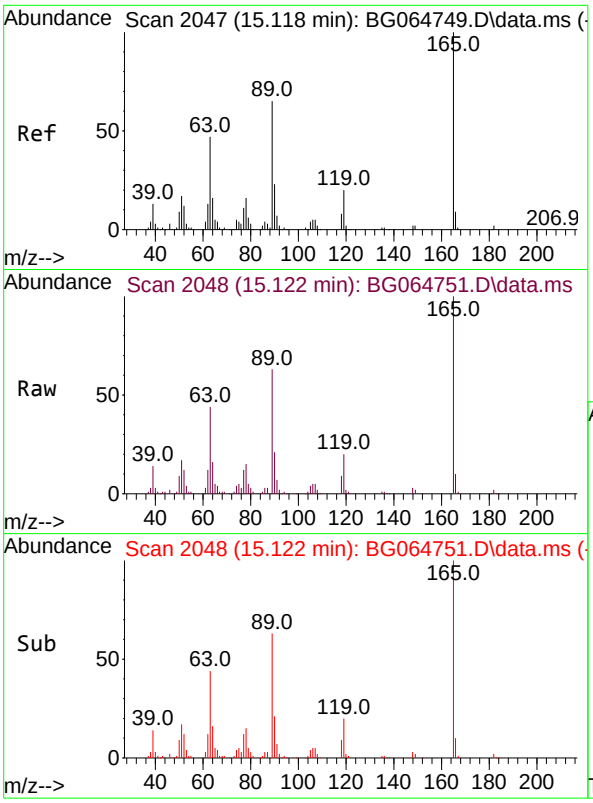


#56
4-Nitrophenol
Concen: 65.732 ng
RT: 14.963 min Scan# 2021
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:139 Resp: 79581

Ion	Ratio	Lower	Upper
139	100		
109	101.6	79.7	119.7
65	116.8	89.9	129.9

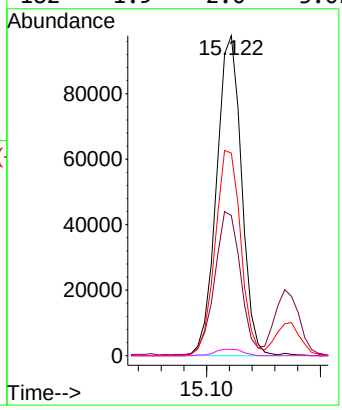




#57
2,4-Dinitrotoluene
Concen: 64.319 ng
RT: 15.122 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:165 Resp: 14908

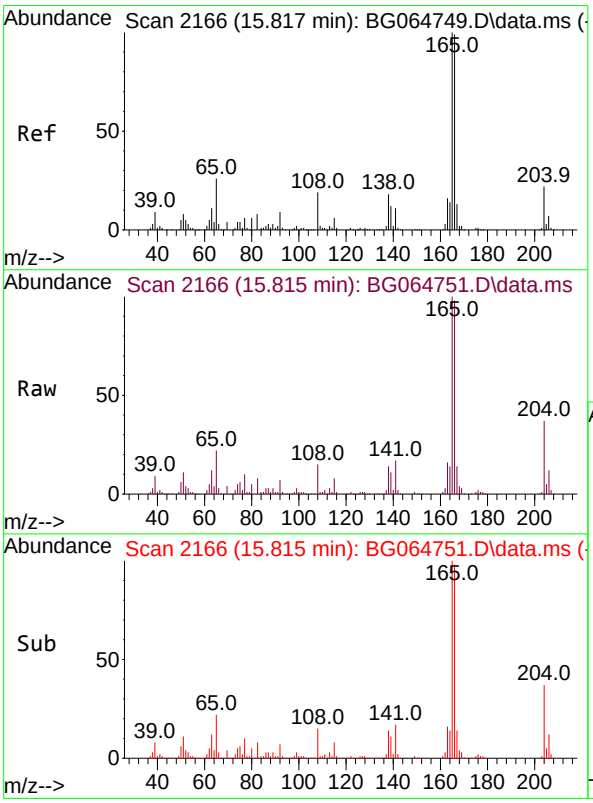
Ion	Ratio	Lower	Upper
165	100		
63	43.8	37.8	56.6
89	63.3	51.6	77.4
182	1.9	2.0	3.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

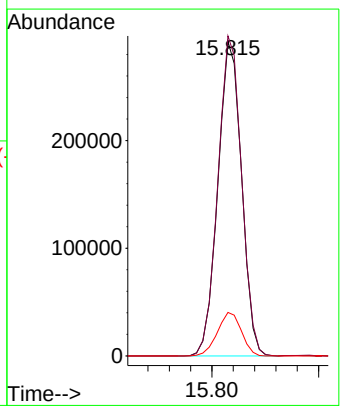
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

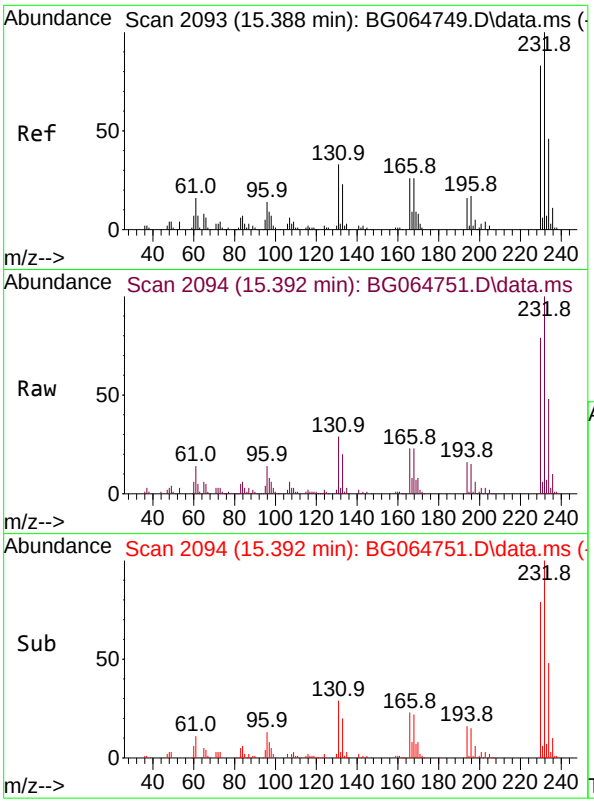


#58
Fluorene
Concen: 58.885 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:166 Resp: 450137

Ion	Ratio	Lower	Upper
166	100		
165	101.8	80.5	120.7
167	13.8	10.3	15.5

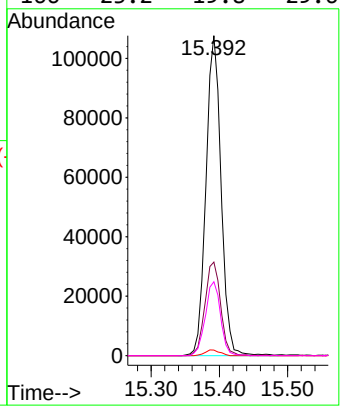




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.473 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:232 Resp: 16575

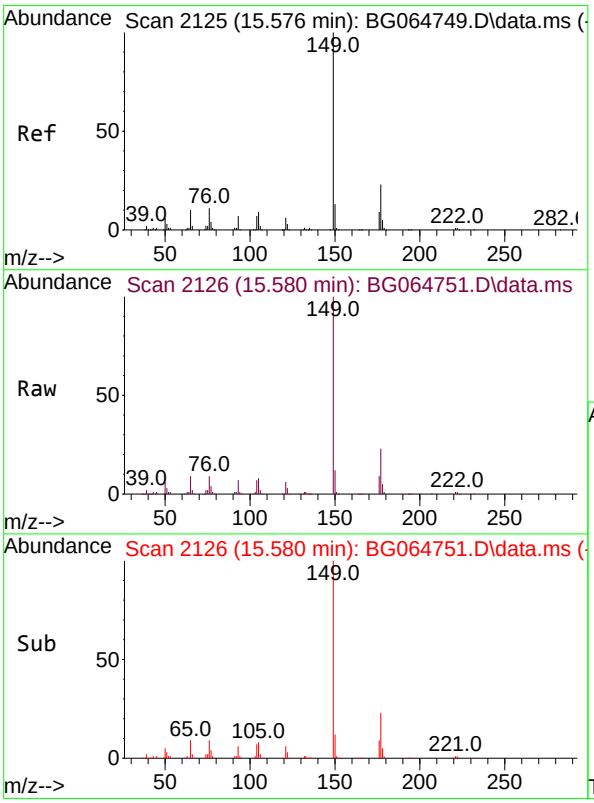
Ion	Ratio	Lower	Upper
232	100		
131	30.3	26.0	39.0
130	1.7	1.6	2.4
166	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

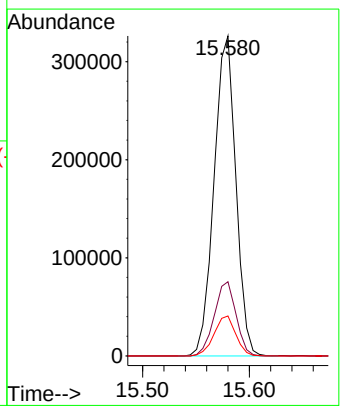
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

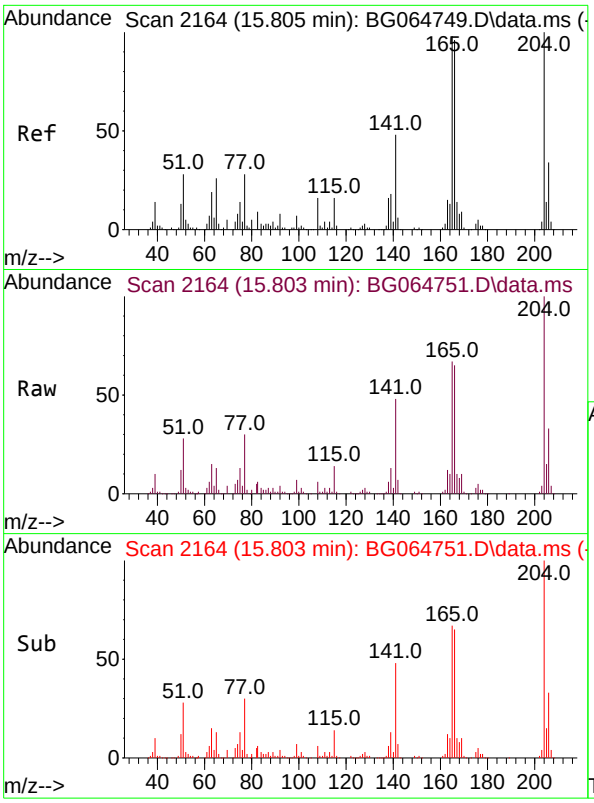


#60
Diethylphthalate
Concen: 60.243 ng
RT: 15.580 min Scan# 2126
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 463685

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.4	27.6
150	12.5	10.1	15.1

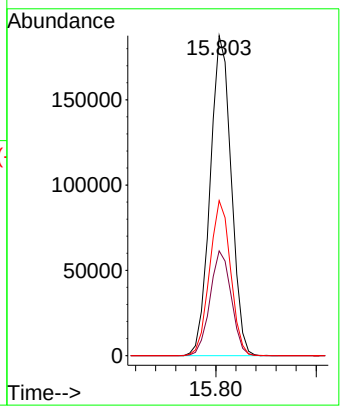




#61
4-Chlorophenyl-phenylether
Concen: 59.493 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:204 Resp: 272931

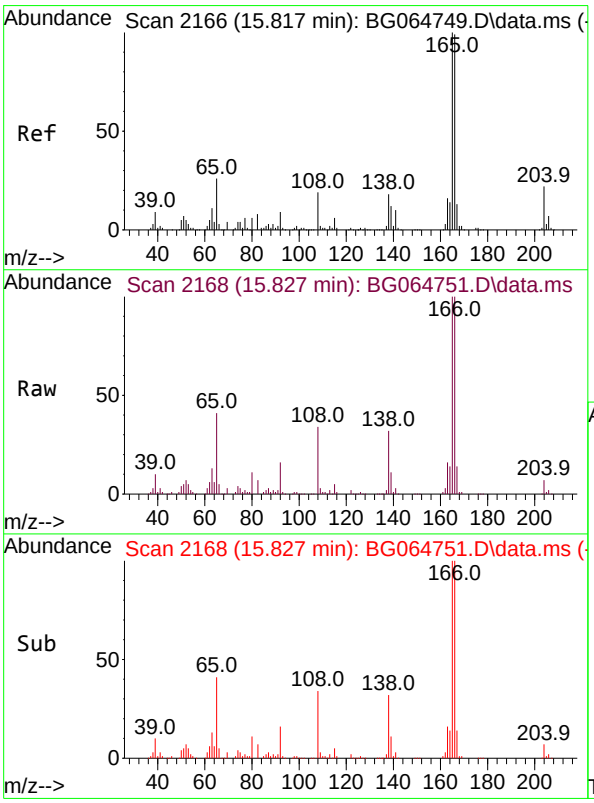
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.9	40.3
141	48.4	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

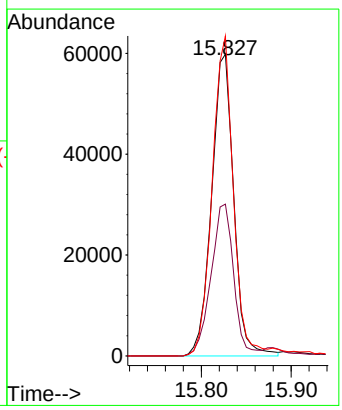
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

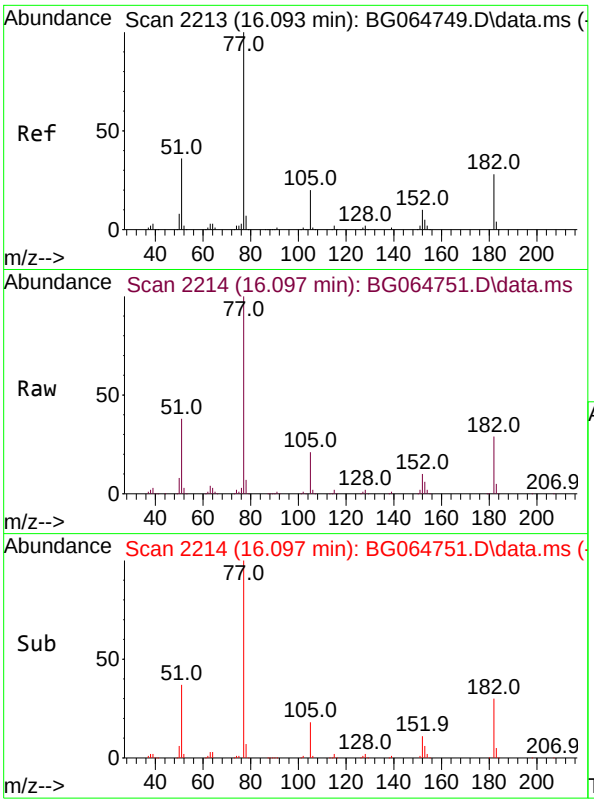


#62
4-Nitroaniline
Concen: 64.702 ng
RT: 15.827 min Scan# 2168
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:138 Resp: 102284

Ion	Ratio	Lower	Upper
138	100		
92	50.3	30.7	70.7
108	106.1	85.7	125.7

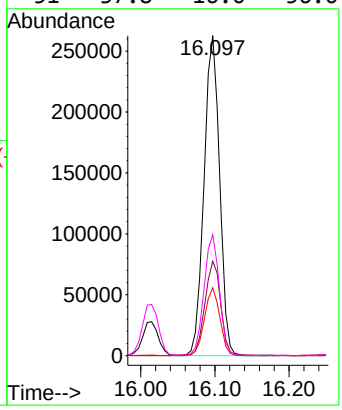




#63
Azobenzene
Concen: 59.841 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 77 Resp: 38310

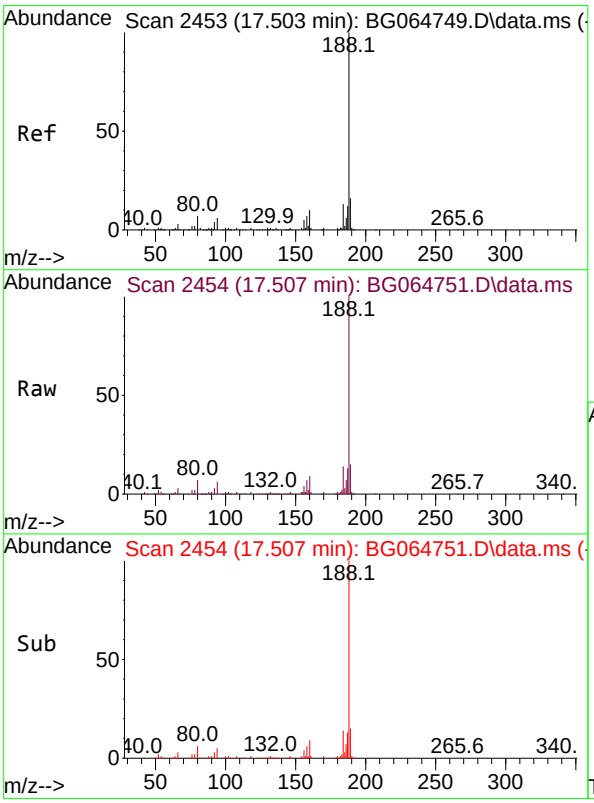
Ion	Ratio	Lower	Upper
77	100		
182	29.5	8.1	48.1
105	21.2	0.1	40.1
51	37.8	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

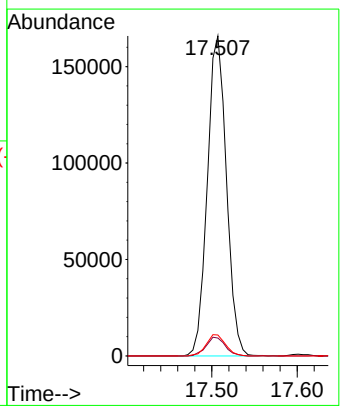
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

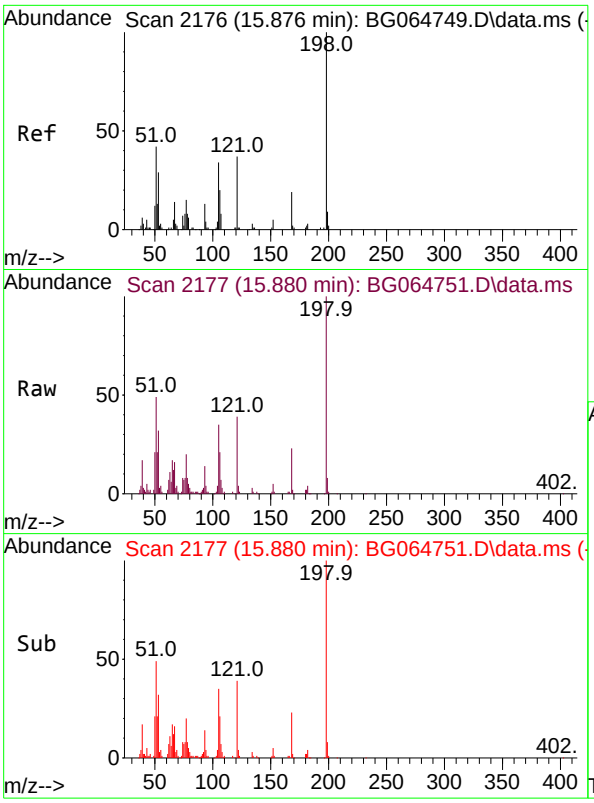


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:188 Resp: 257987

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.6	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 67.922 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

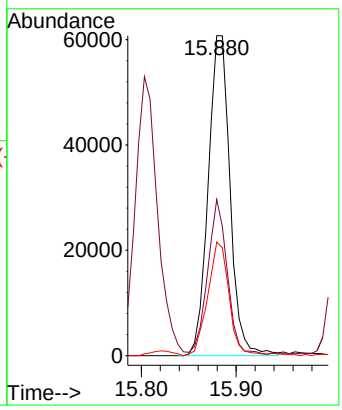
Instrument :
BNA_G
ClientSampleId :
SSTDICC060

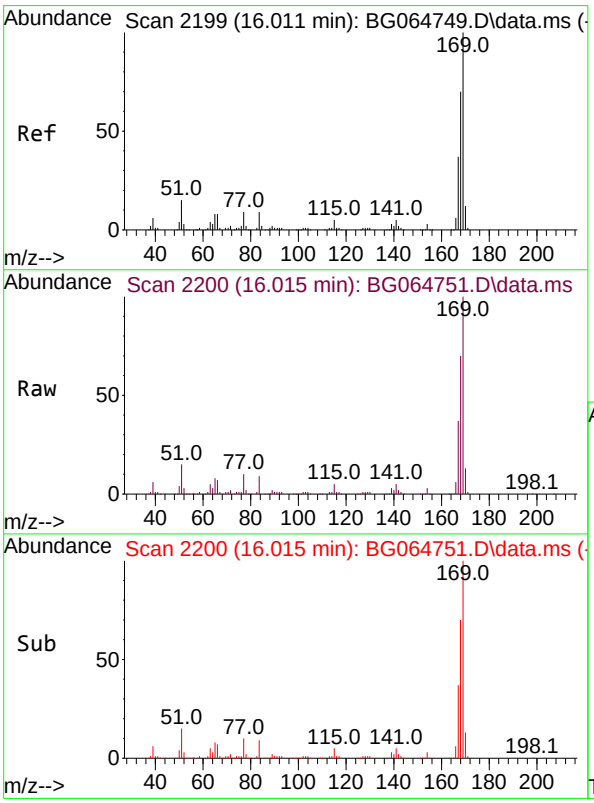
Tgt Ion:198 Resp: 9729

Ion	Ratio	Lower	Upper
198	100		
51	48.8	25.2	65.2
105	35.5	14.2	54.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

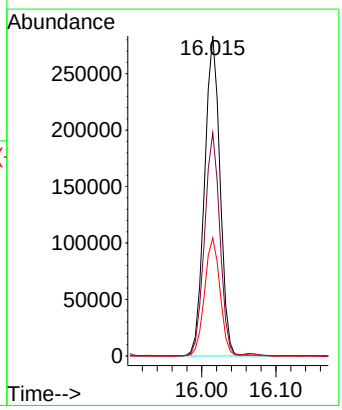


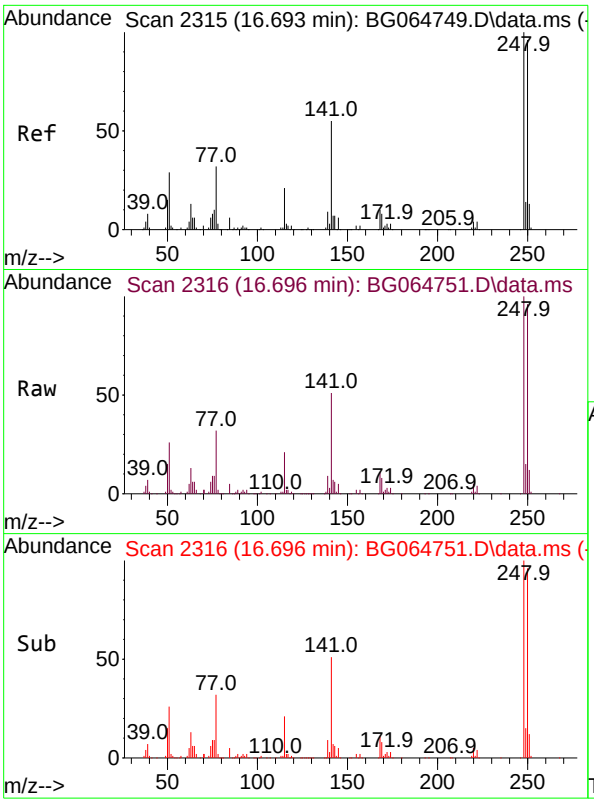


#66
n-Nitrosodiphenylamine
Concen: 60.512 ng
RT: 16.015 min Scan# 2200
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:169 Resp: 408909

Ion	Ratio	Lower	Upper
169	100		
168	69.7	55.9	83.9
167	36.8	29.8	44.6

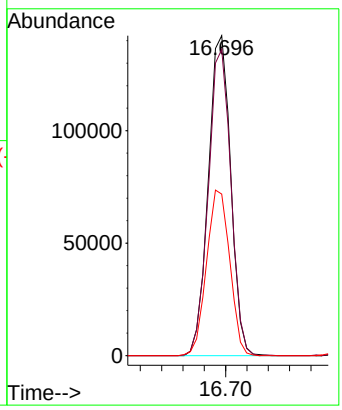




#67
4-Bromophenyl-phenylether
Concen: 61.378 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:248 Resp: 20794

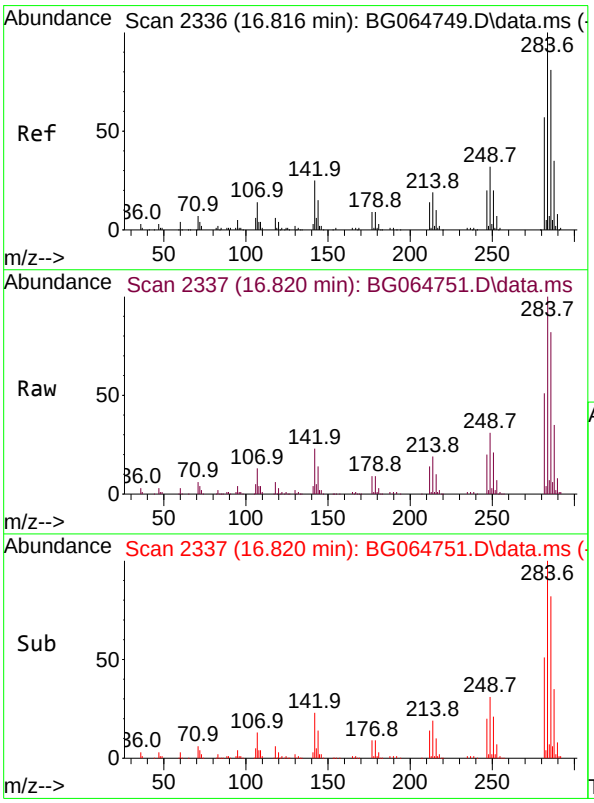
Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.0	115.6
141	50.5	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

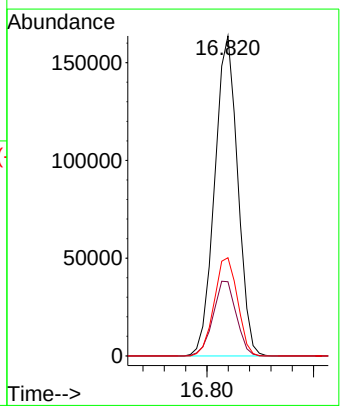
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

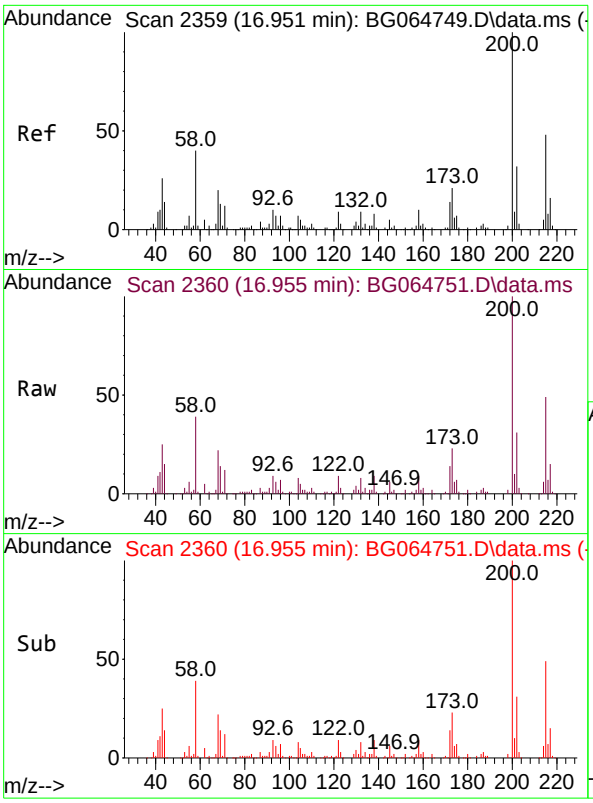


#68
Hexachlorobenzene
Concen: 59.815 ng
RT: 16.820 min Scan# 2337
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:284 Resp: 245522

Ion	Ratio	Lower	Upper
284	100		
142	23.2	19.7	29.5
249	33.3	28.1	42.1

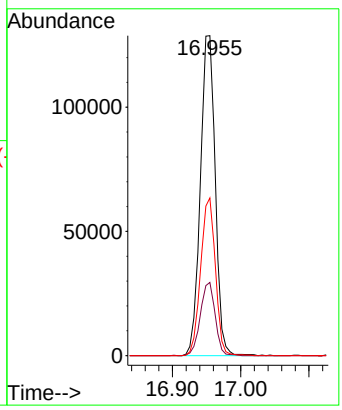




#69
Atrazine
Concen: 60.098 ng
RT: 16.955 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:200 Resp: 19580

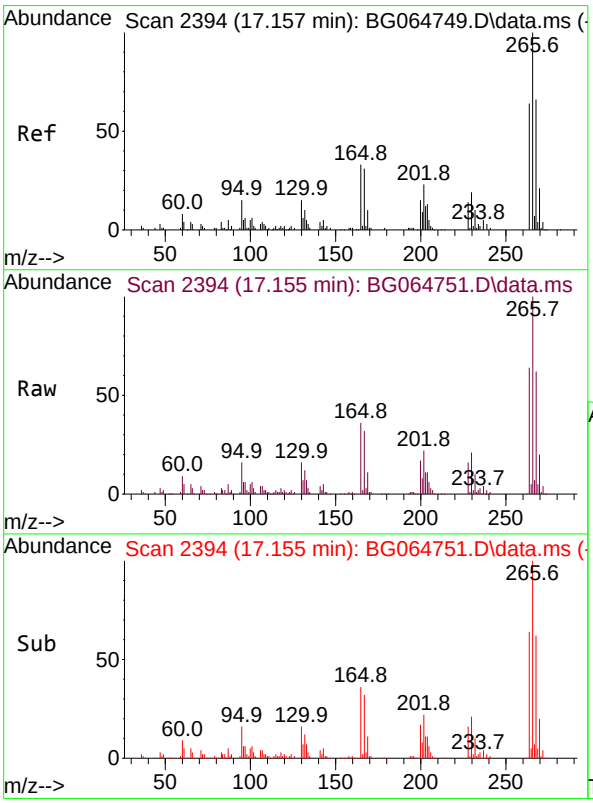
Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	49.3	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

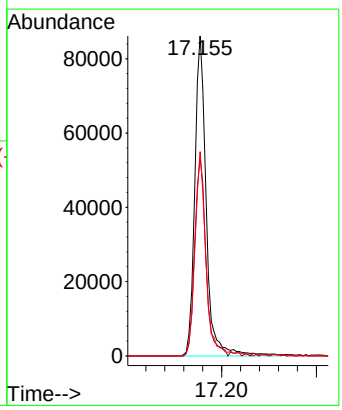
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

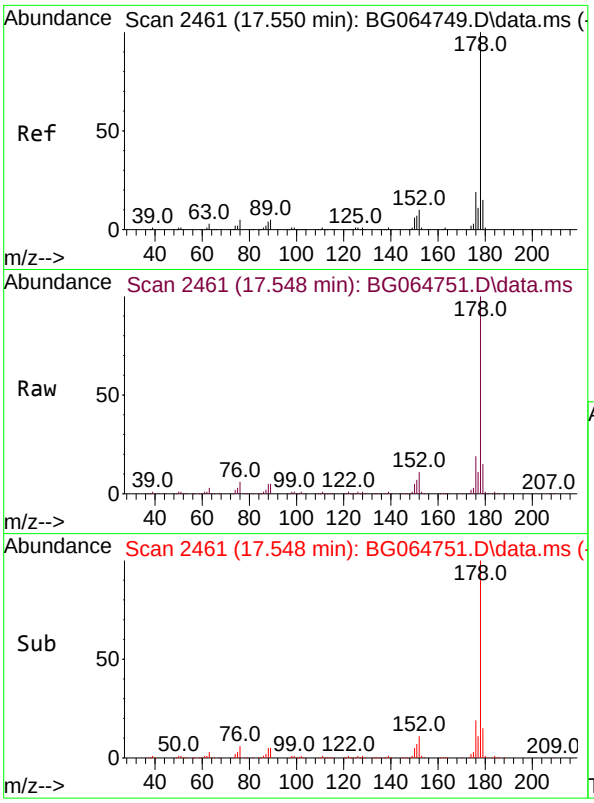


#70
Pentachlorophenol
Concen: 61.120 ng
RT: 17.155 min Scan# 2394
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:266 Resp: 144648

Ion	Ratio	Lower	Upper
266	100		
268	66.6	56.1	84.1
264	63.8	51.2	76.8

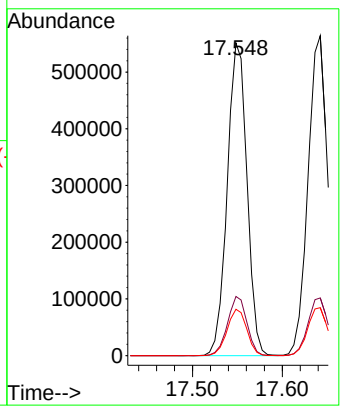




#71
Phenanthrene
Concen: 59.753 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:178 Resp: 84342

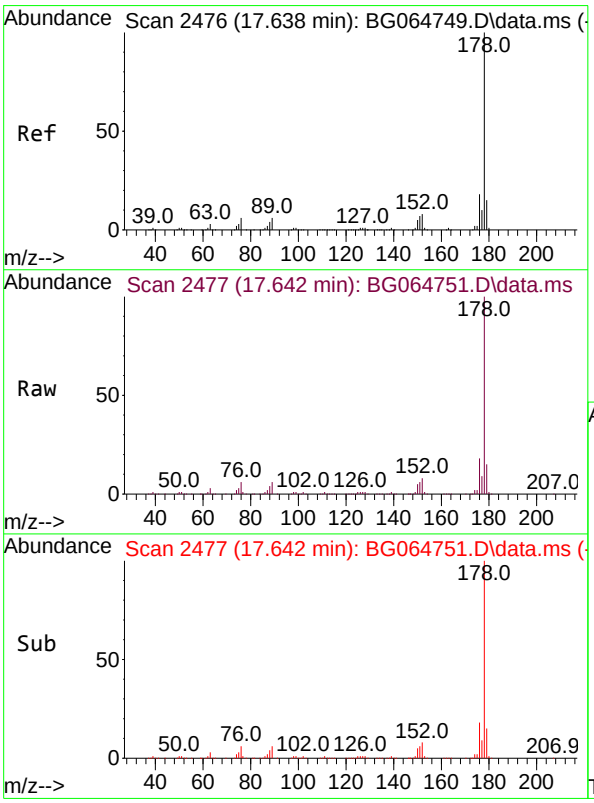
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	14.8	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

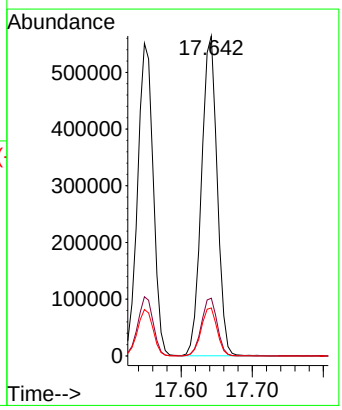
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

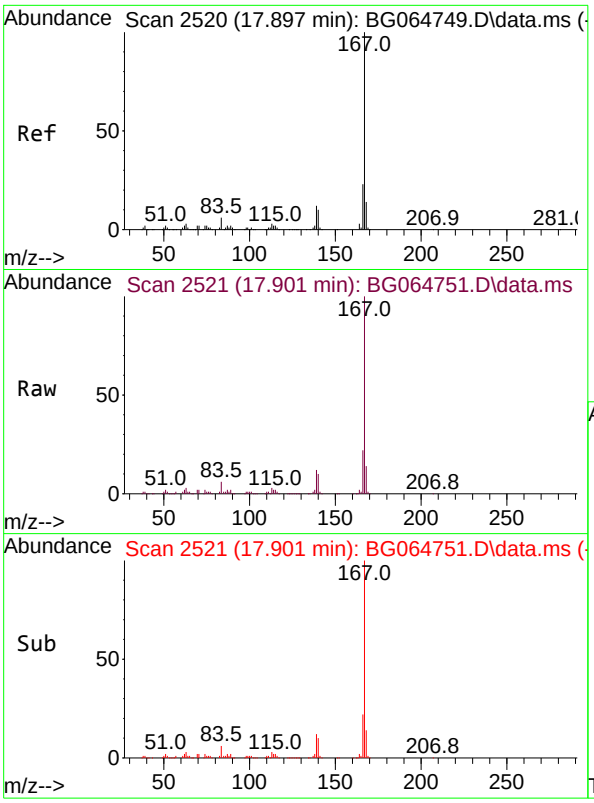


#72
Anthracene
Concen: 59.861 ng
RT: 17.642 min Scan# 2477
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:178 Resp: 861577

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.0	12.2	18.4

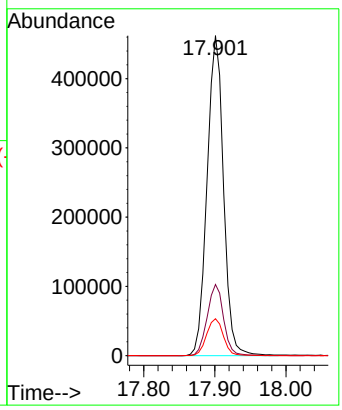




#73
Carbazole
Concen: 59.766 ng
RT: 17.901 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:167 Resp: 73949

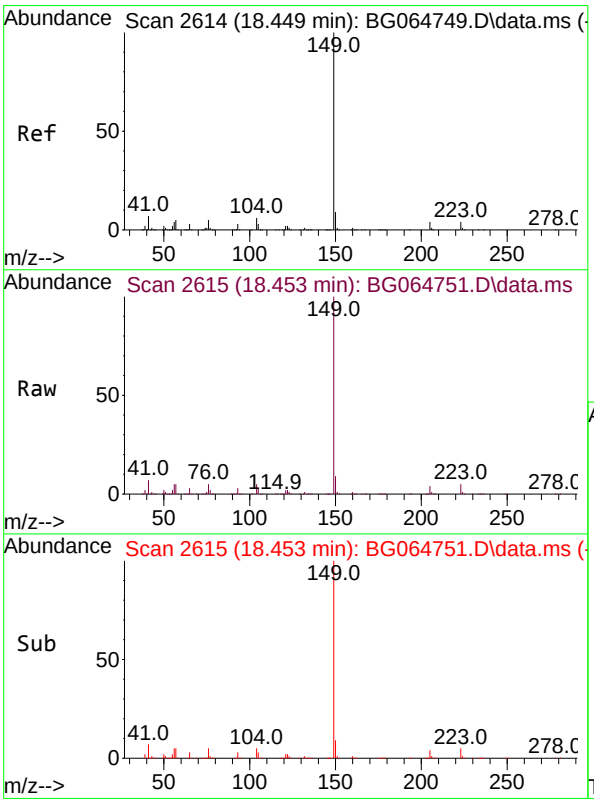
Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	11.5	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

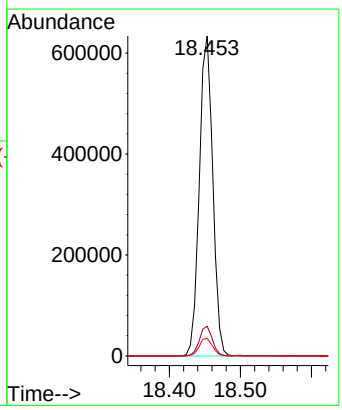
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

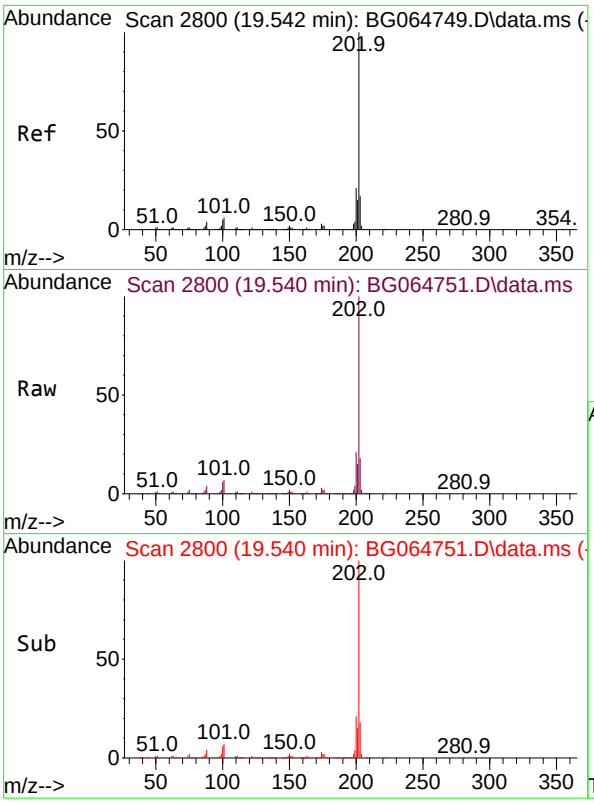


#74
Di-n-butylphthalate
Concen: 59.986 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 828062

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.5	4.4	6.6

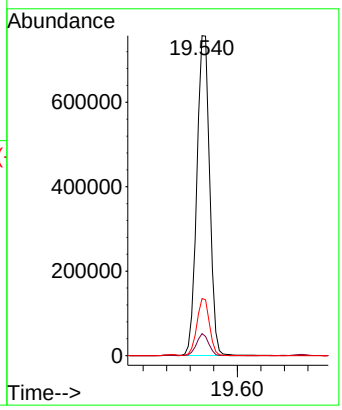




#75
Fluoranthene
Concen: 59.146 ng
RT: 19.540 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:202 Resp: 114163

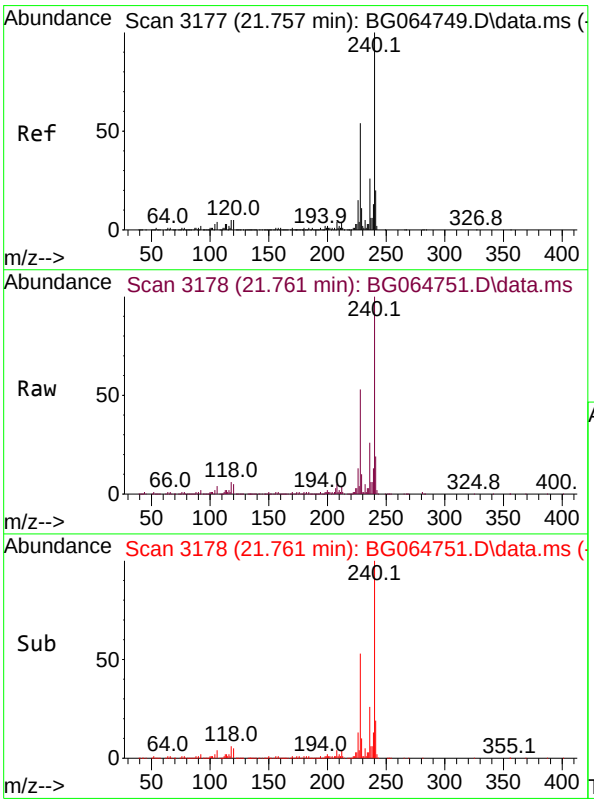
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.4
203	17.8	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

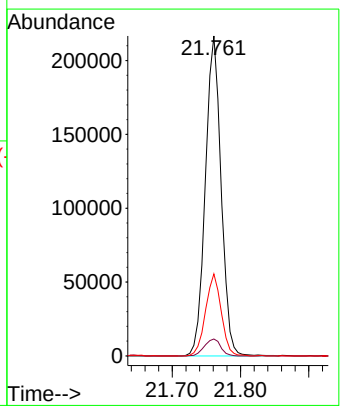
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

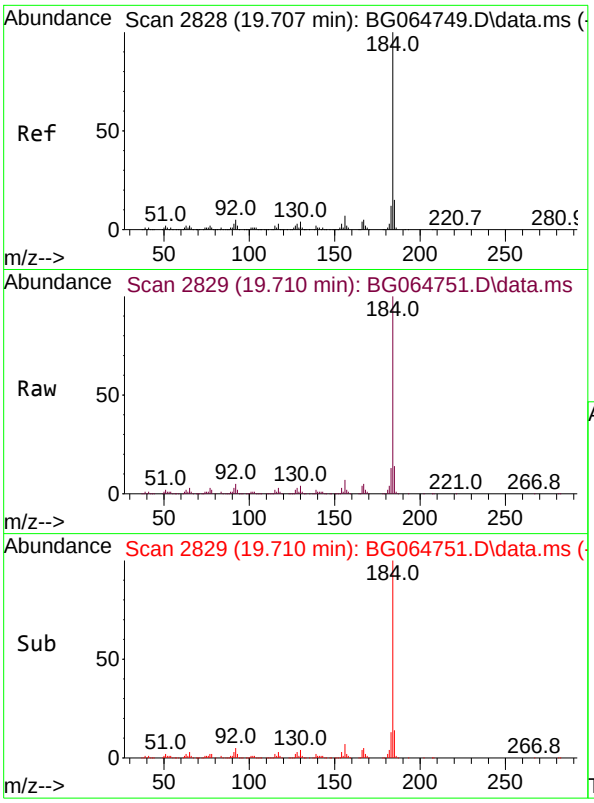


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.761 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:240 Resp: 346774

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	25.6	20.8	31.2

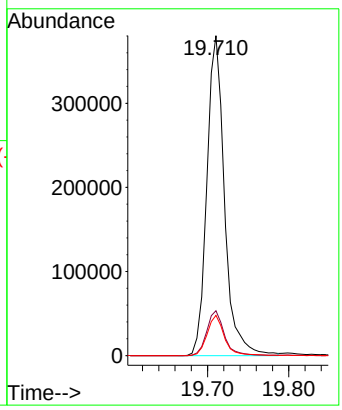




#77
Benzidine
Concen: 55.340 ng
RT: 19.710 min Scan# 28
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:184 Resp: 57472

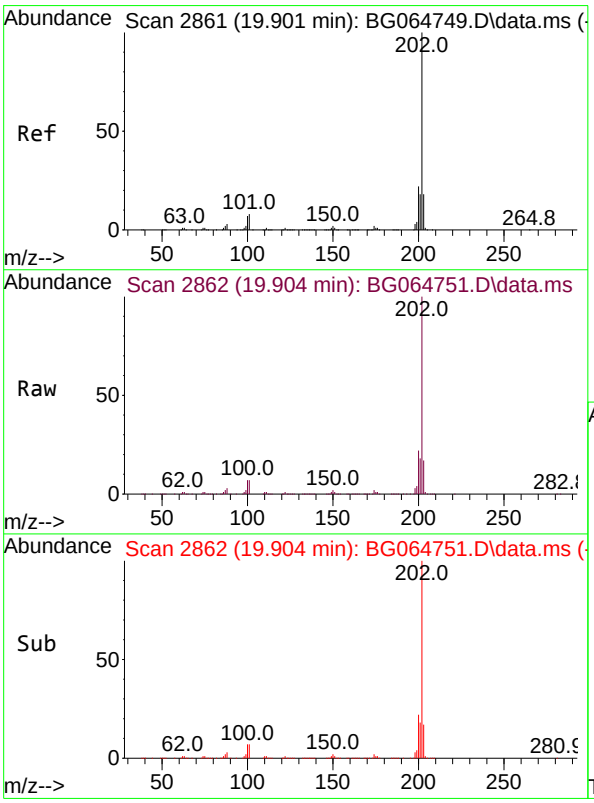
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.8	17.6
183	12.6	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

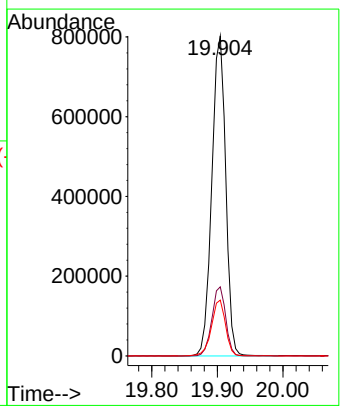
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

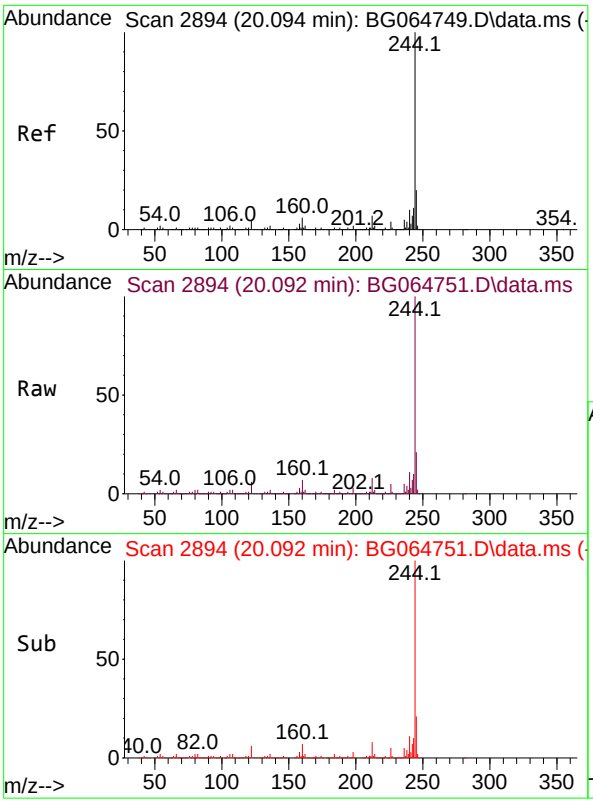


#78
Pyrene
Concen: 60.813 ng
RT: 19.904 min Scan# 2862
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:202 Resp: 1181920

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.9	26.9
203	17.4	14.0	21.0

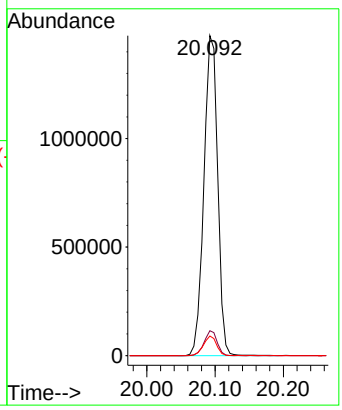




#79
Terphenyl-d14
Concen: 117.198 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:244 Resp: 206605

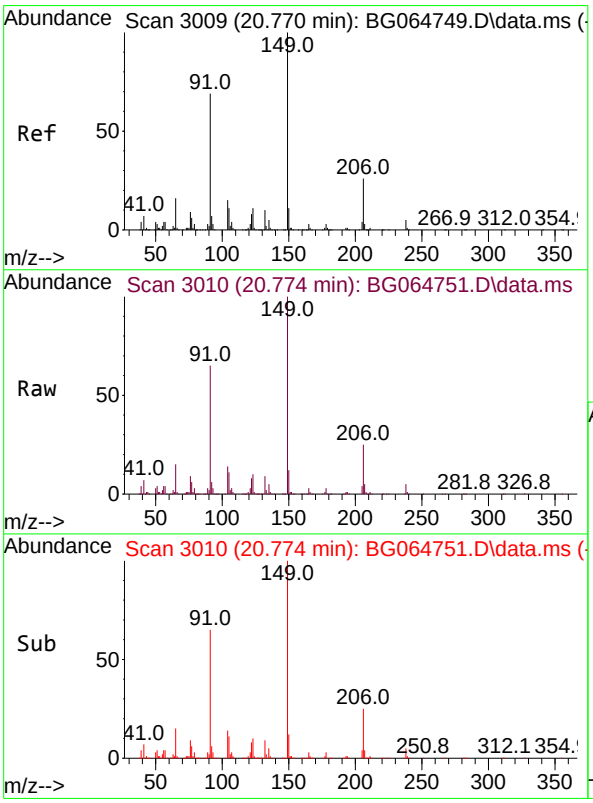
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	6.1	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

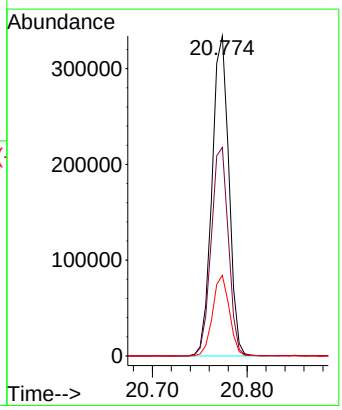
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

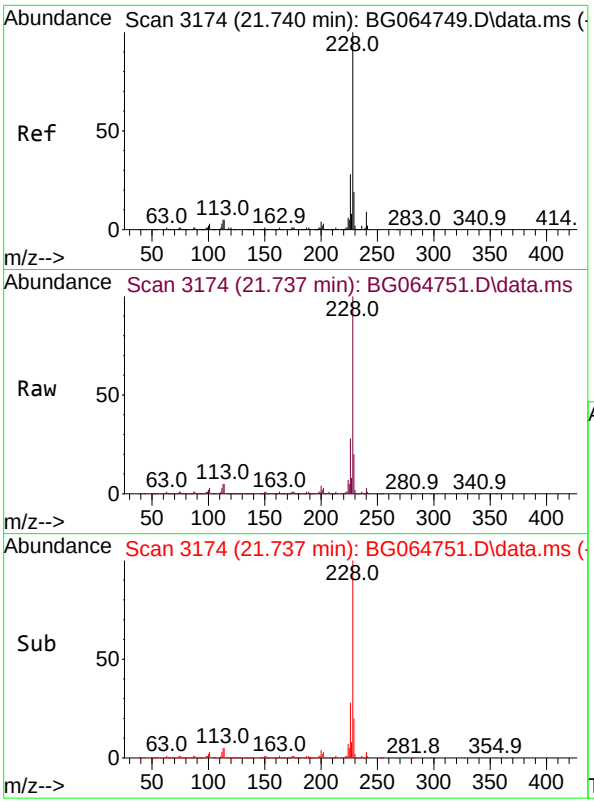


#80
Butylbenzylphthalate
Concen: 60.444 ng
RT: 20.774 min Scan# 3010
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 413202

Ion	Ratio	Lower	Upper
149	100		
91	65.2	54.9	82.3
206	25.2	21.2	31.8

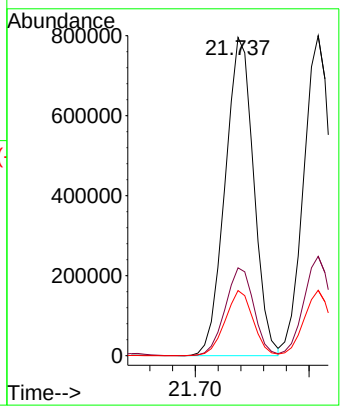




#81
Benzo(a)anthracene
Concen: 58.867 ng
RT: 21.737 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:228 Resp: 138805

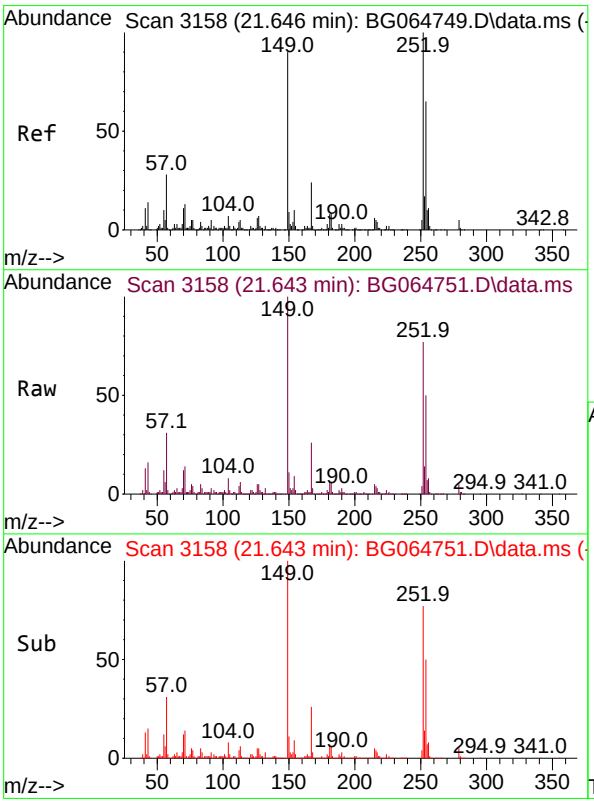
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.5	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

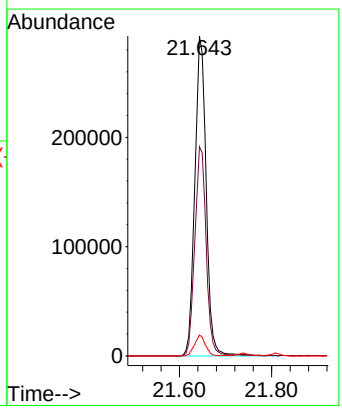
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

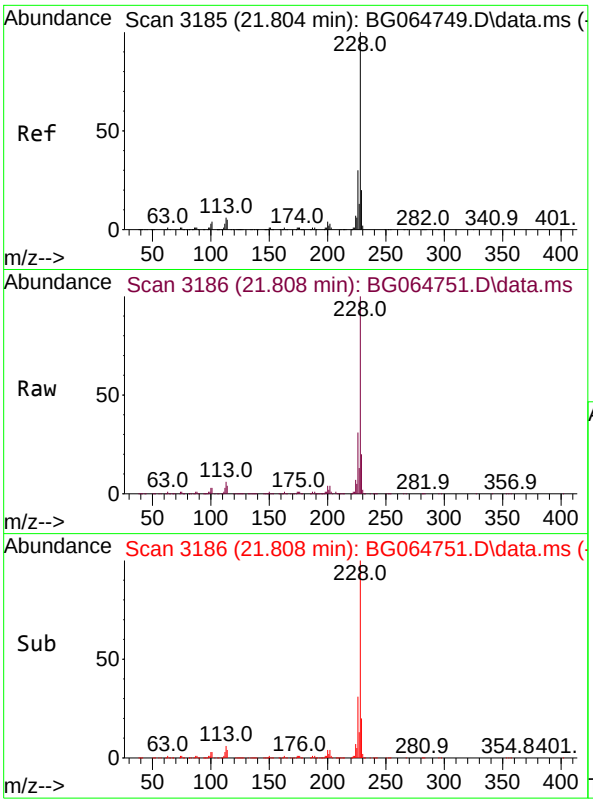


#82
3,3'-Dichlorobenzidine
Concen: 57.466 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 498737

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.8	77.8
126	6.5	4.7	7.1

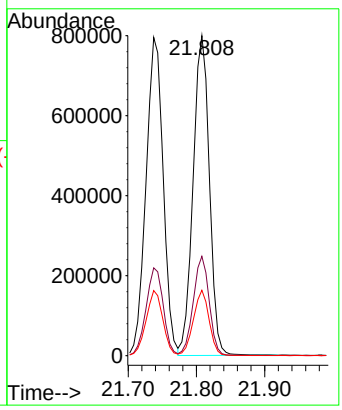




#83
Chrysene
Concen: 59.686 ng
RT: 21.808 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:228 Resp: 132681

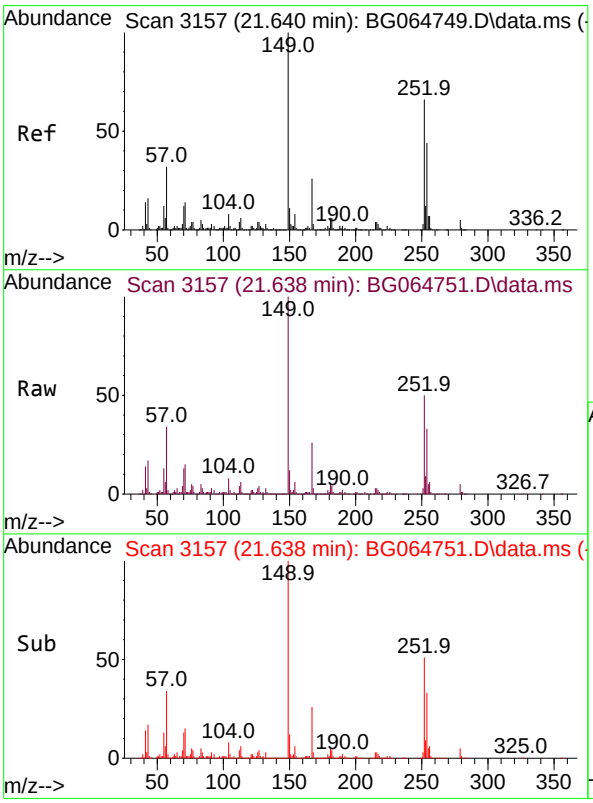
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	20.4	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

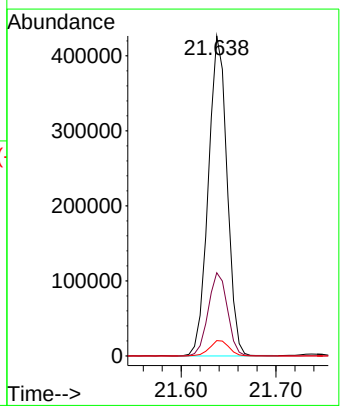
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

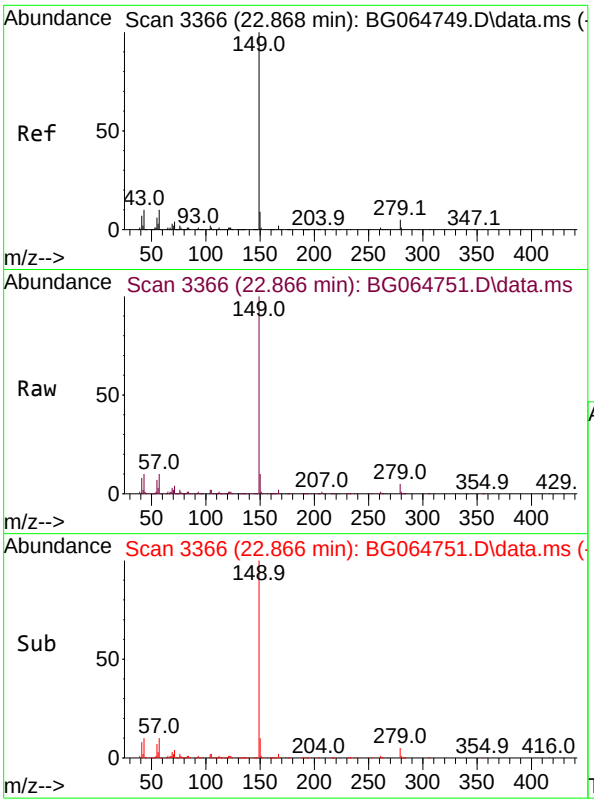


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.754 ng
RT: 21.638 min Scan# 3157
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 586917

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.4
279	4.8	4.1	6.1

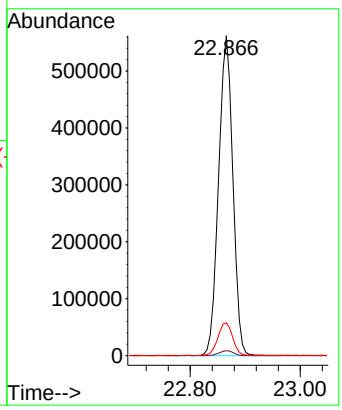




#85
Di-n-octyl phthalate
Concen: 58.705 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 101368

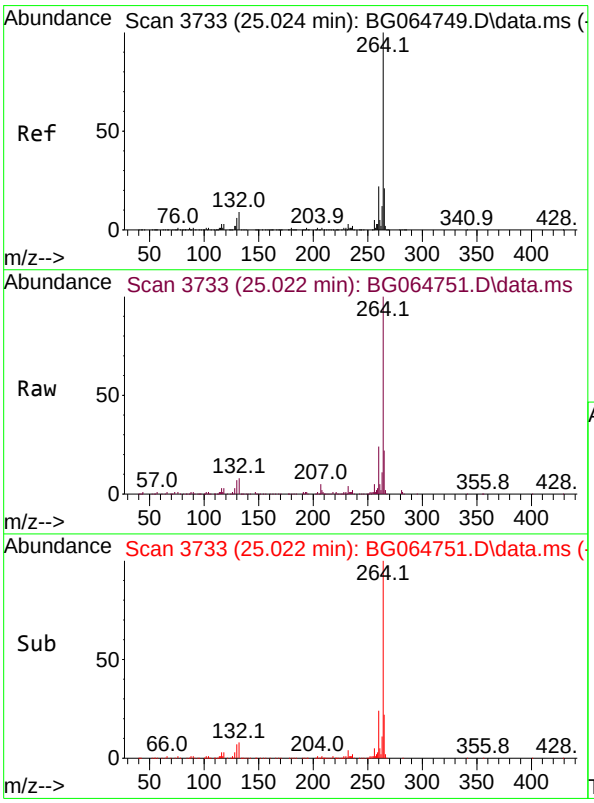
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

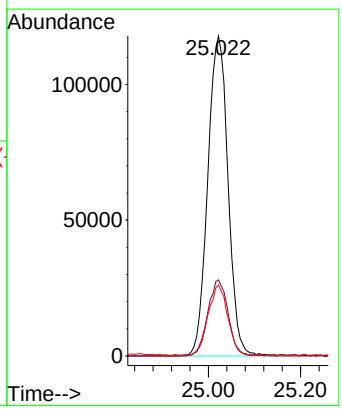
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

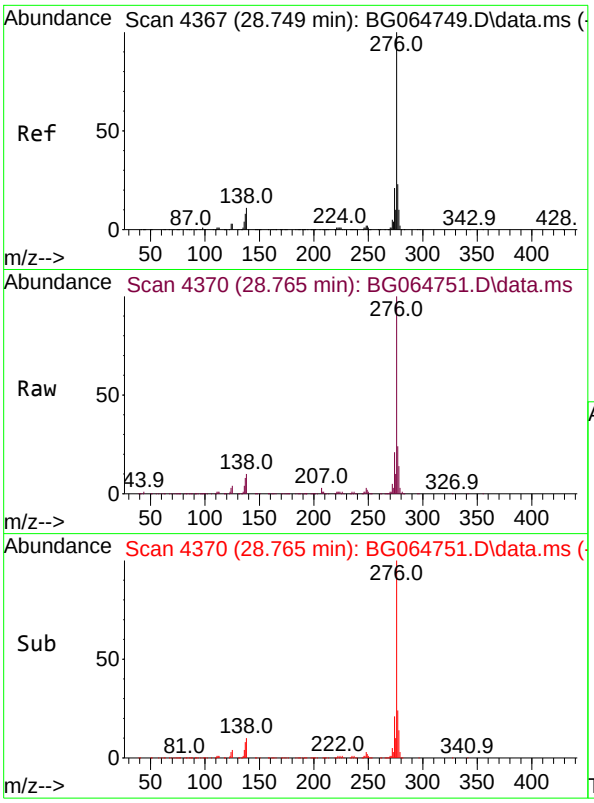


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.022 min Scan# 3733
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:264 Resp: 359143

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.2	25.8
265	22.1	16.6	25.0

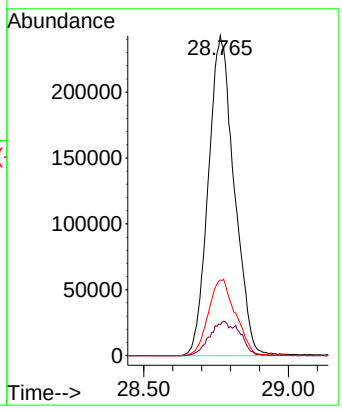




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.287 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.016 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:276 Resp: 151221

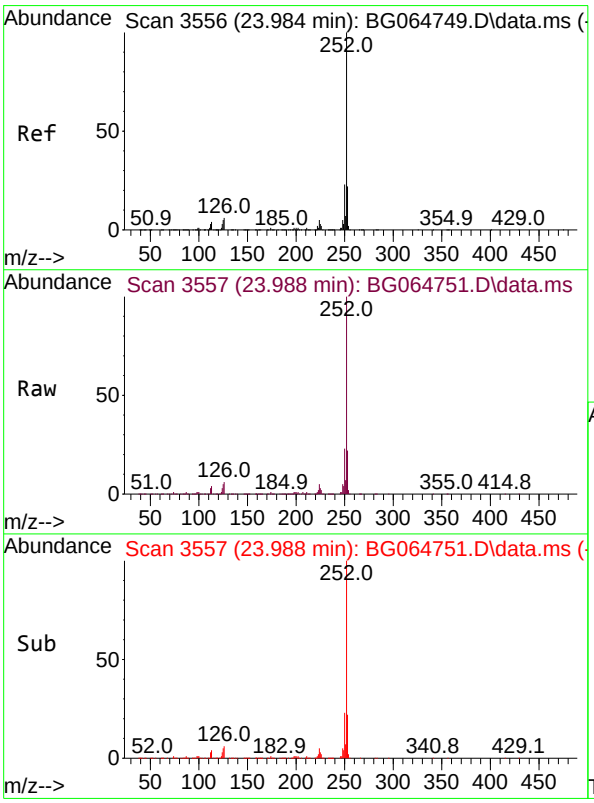
Ion	Ratio	Lower	Upper
276	100		
138	8.7	4.5	6.7#
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

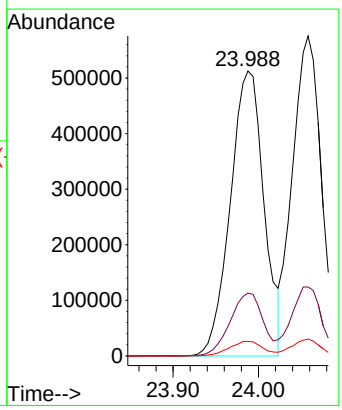
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

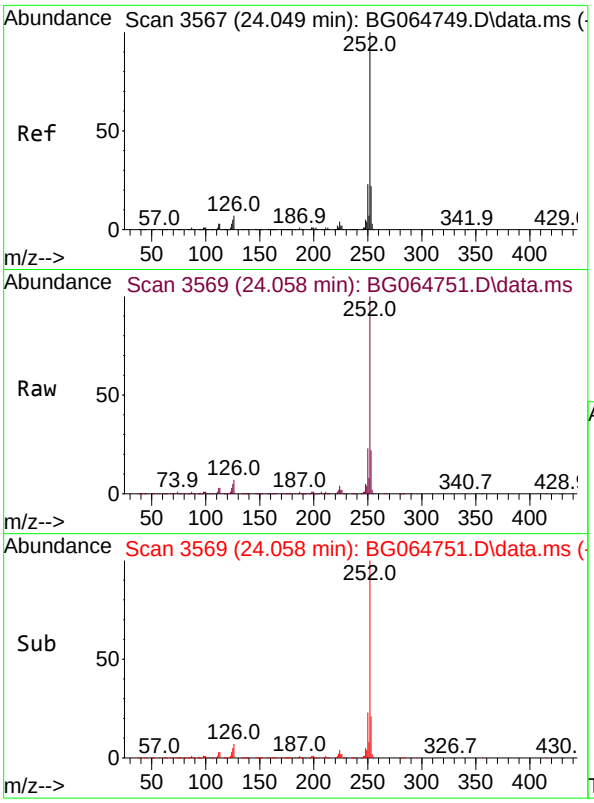


#88
Benzo(b)fluoranthene
Concen: 61.488 ng
RT: 23.988 min Scan# 3557
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 1405334

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.1	4.2	6.2

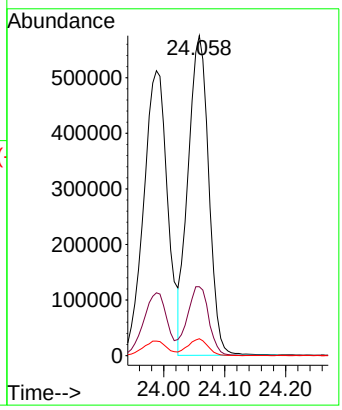




#89
Benzo(k)fluoranthene
Concen: 58.948 ng
RT: 24.058 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 135354

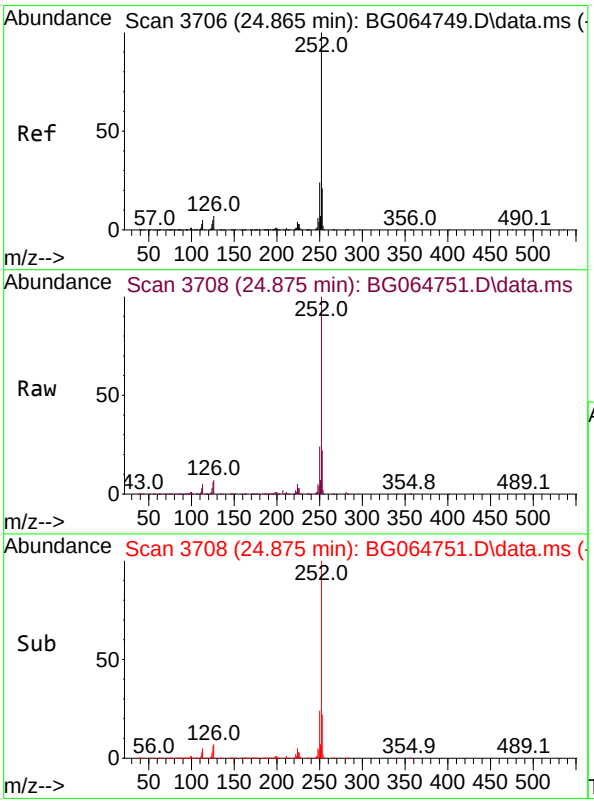
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	5.3	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

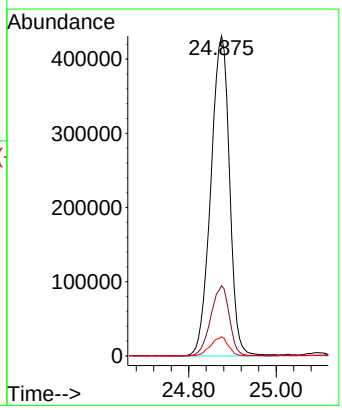
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

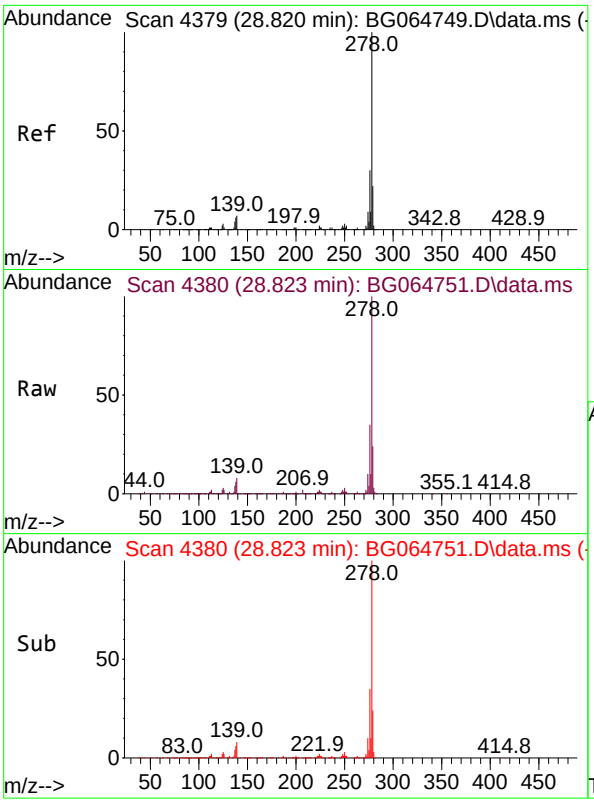


#90
Benzo(a)pyrene
Concen: 60.448 ng
RT: 24.875 min Scan# 3708
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 1281570

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.9	25.3
125	6.0	4.2	6.4

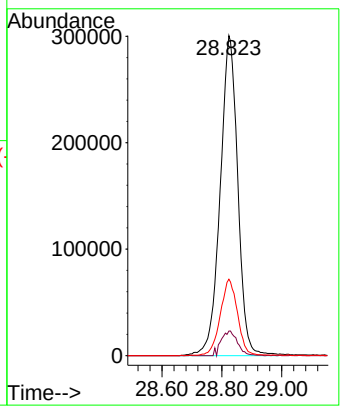




#91
Dibenzo(a,h)anthracene
Concen: 61.139 ng
RT: 28.823 min Scan# 4
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:278 Resp: 123584

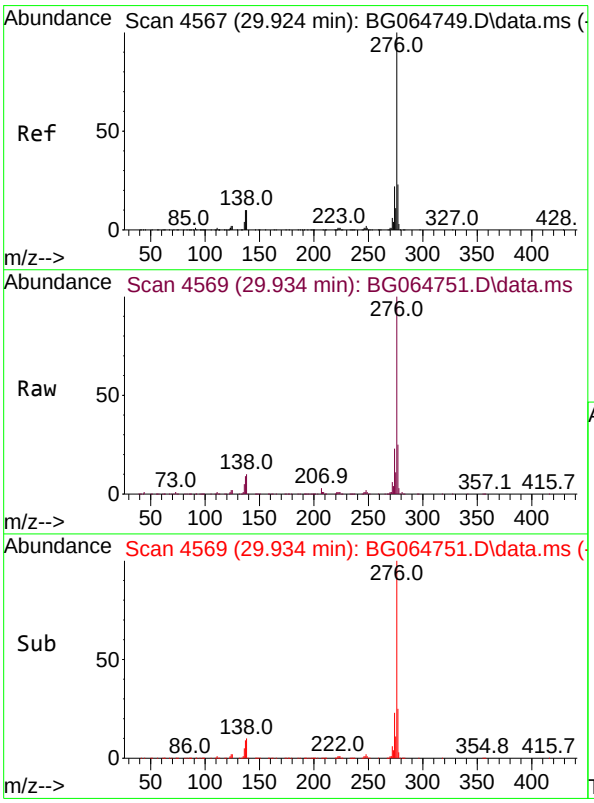
Ion	Ratio	Lower	Upper
278	100		
139	7.7	5.8	8.8
279	23.9	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

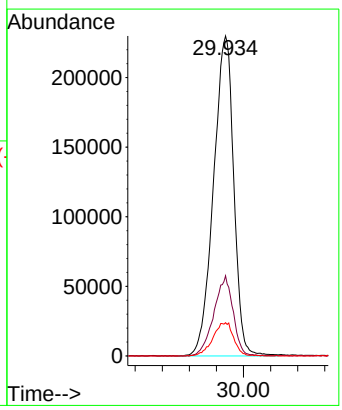
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 61.117 ng
RT: 29.934 min Scan# 4569
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:276 Resp: 1188967

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.0	27.0
138	10.4	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.169	152	32100	20.000	ng		0.00
21) Naphthalene-d8	10.984	136	121266	20.000	ng		0.00
39) Acenaphthene-d10	14.779	164	96505	20.000	ng		0.00
64) Phenanthrene-d10	17.506	188	241350	20.000	ng		0.00
76) Chrysene-d12	21.759	240	320922	20.000	ng		0.00
86) Perylene-d12	25.020	264	330317	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	292678	159.215	ng		0.00
7) Phenol-d6	7.312	99	395430	161.732	ng		0.00
23) Nitrobenzene-d5	9.333	82	419720	171.129	ng		0.00
42) 2,4,6-Tribromophenol	16.254	330	311552	165.530	ng		0.00
45) 2-Fluorobiphenyl	13.410	172	1098132	158.776	ng		0.00
79) Terphenyl-d14	20.097	244	2482378	152.157	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	54244	76.222	ng		98
3) Pyridine	3.945	79	167338	78.918	ng		97
4) n-Nitrosodimethylamine	3.851	42	85343	79.078	ng		99
6) Aniline	7.482	93	264134	81.049	ng		98
8) 2-Chlorophenol	7.729	128	161956	80.237	ng		97
9) Benzaldehyde	7.294	77	127618	79.738	ng		95
10) Phenol	7.341	94	217972	81.938	ng		98
11) bis(2-Chloroethyl)ether	7.576	93	150996	79.766	ng		98
12) 1,3-Dichlorobenzene	8.058	146	184833	79.580	ng		97
13) 1,4-Dichlorobenzene	8.205	146	186937	79.042	ng		98
14) 1,2-Dichlorobenzene	8.528	146	182159	79.436	ng		97
15) Benzyl Alcohol	8.399	79	166862	83.145	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.692	45	345673	77.148	ng		98
17) 2-Methylphenol	8.598	107	152115	80.814	ng		94
18) Hexachloroethane	9.268	117	70302	78.483	ng		98
19) n-Nitroso-di-n-propyla...	8.974	70	133452	80.726	ng		97
20) 3+4-Methylphenols	8.933	107	206758	80.182	ng		93
22) Acetophenone	8.992	105	276774	83.774	ng	#	96
24) Nitrobenzene	9.374	77	209778	84.650	ng		97
25) Isophorone	9.903	82	380468	81.460	ng		99
26) 2-Nitrophenol	10.085	139	99793	89.526	ng		96
27) 2,4-Dimethylphenol	10.144	122	163992	82.812	ng		99
28) bis(2-Chloroethoxy)met...	10.379	93	211036	82.303	ng		99
29) 2,4-Dichlorophenol	10.625	162	181140	85.199	ng		97
30) 1,2,4-Trichlorobenzene	10.849	180	211243	82.282	ng		98
31) Naphthalene	11.037	128	555384	80.791	ng		99
32) Benzoic acid	10.290	122	120088m	81.210	ng		
33) 4-Chloroaniline	11.131	127	232387	84.507	ng		98
34) Hexachlorobutadiene	11.325	225	181526	82.408	ng		98
35) Caprolactam	11.912	113	53925m	84.873	ng		
36) 4-Chloro-3-methylphenol	12.241	107	195826	82.752	ng		97
37) 2-Methylnaphthalene	12.629	142	410461	79.790	ng		99
38) 1-Methylnaphthalene	12.846	142	410081	80.251	ng		99
40) 1,2,4,5-Tetrachloroben...	12.987	216	310941	82.792	ng		100
41) Hexachlorocyclopentadiene	12.976	237	236416	87.822	ng		99
43) 2,4,6-Trichlorophenol	13.222	196	188174	85.368	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.293	196	209584	84.775	ng		99
46)	1,1'-Biphenyl	13.622	154	559459	80.715	ng		98
47)	2-Chloronaphthalene	13.663	162	442427	81.020	ng		99
48)	2-Nitroaniline	13.857	65	152081	86.588	ng		97
49)	Acenaphthylene	14.503	152	749707	80.362	ng		99
50)	Dimethylphthalate	14.221	163	610187	80.043	ng		99
51)	2,6-Dinitrotoluene	14.339	165	125468	85.533	ng		95
52)	Acenaphthene	14.838	154	467978	83.664	ng		98
53)	3-Nitroaniline	14.668	138	124648	86.095	ng		95
54)	2,4-Dinitrophenol	14.873	184	85396	84.450	ng		96
55)	Dibenzofuran	15.173	168	727625	78.683	ng		100
56)	4-Nitrophenol	14.961	139	101920	88.727	ng		88
57)	2,4-Dinitrotoluene	15.120	165	188833	85.865	ng		98
58)	Fluorene	15.819	166	567083	78.187	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.390	232	207982	85.265	ng		97
60)	Diethylphthalate	15.578	149	579413	79.342	ng		99
61)	4-Chlorophenyl-phenyle...	15.802	204	346839	79.684	ng		99
62)	4-Nitroaniline	15.825	138	129007	86.012	ng		94
63)	Azobenzene	16.095	77	473692	77.985	ng		96
65)	4,6-Dinitro-2-methylph...	15.884	198	126058	94.071	ng		96
66)	n-Nitrosodiphenylamine	16.013	169	505935	80.031	ng		99
67)	4-Bromophenyl-phenylether	16.695	248	258213	81.469	ng		97
68)	Hexachlorobenzene	16.818	284	311899	81.224	ng		95
69)	Atrazine	16.953	200	246695	80.938	ng		98
70)	Pentachlorophenol	17.153	266	185967	81.697	ng		97
71)	Phenanthrene	17.552	178	1036635	78.503	ng		99
72)	Anthracene	17.641	178	1075224	79.854	ng		99
73)	Carbazole	17.899	167	917321	79.248	ng		99
74)	Di-n-butylphthalate	18.451	149	1022641	79.189	ng		100
75)	Fluoranthene	19.544	202	1397734	77.406	ng		99
77)	Benzidine	19.709	184	715252	74.419	ng		98
78)	Pyrene	19.903	202	1443820	80.273	ng		99
80)	Butylbenzylphthalate	20.772	149	511144	80.795	ng		97
81)	Benzo(a)anthracene	21.742	228	1727230	79.153	ng		99
82)	3,3'-Dichlorobenzidine	21.648	252	617916	76.933	ng		99
83)	Chrysene	21.806	228	1622815	78.881	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.636	149	710301	76.834	ng		100
85)	Di-n-octyl phthalate	22.864	149	1234609	77.260	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.775	276	1899785	83.713	ng	#	96
88)	Benzo(b)fluoranthene	23.992	252	1712491	81.466	ng		99
89)	Benzo(k)fluoranthene	24.063	252	1723708	81.620	ng		98
90)	Benzo(a)pyrene	24.879	252	1583859	81.225	ng		99
91)	Dibenzo(a,h)anthracene	28.833	278	1559703	83.894	ng		97
92)	Benzo(g,h,i)perylene	29.938	276	1494746	83.541	ng		97

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

ICAL Form

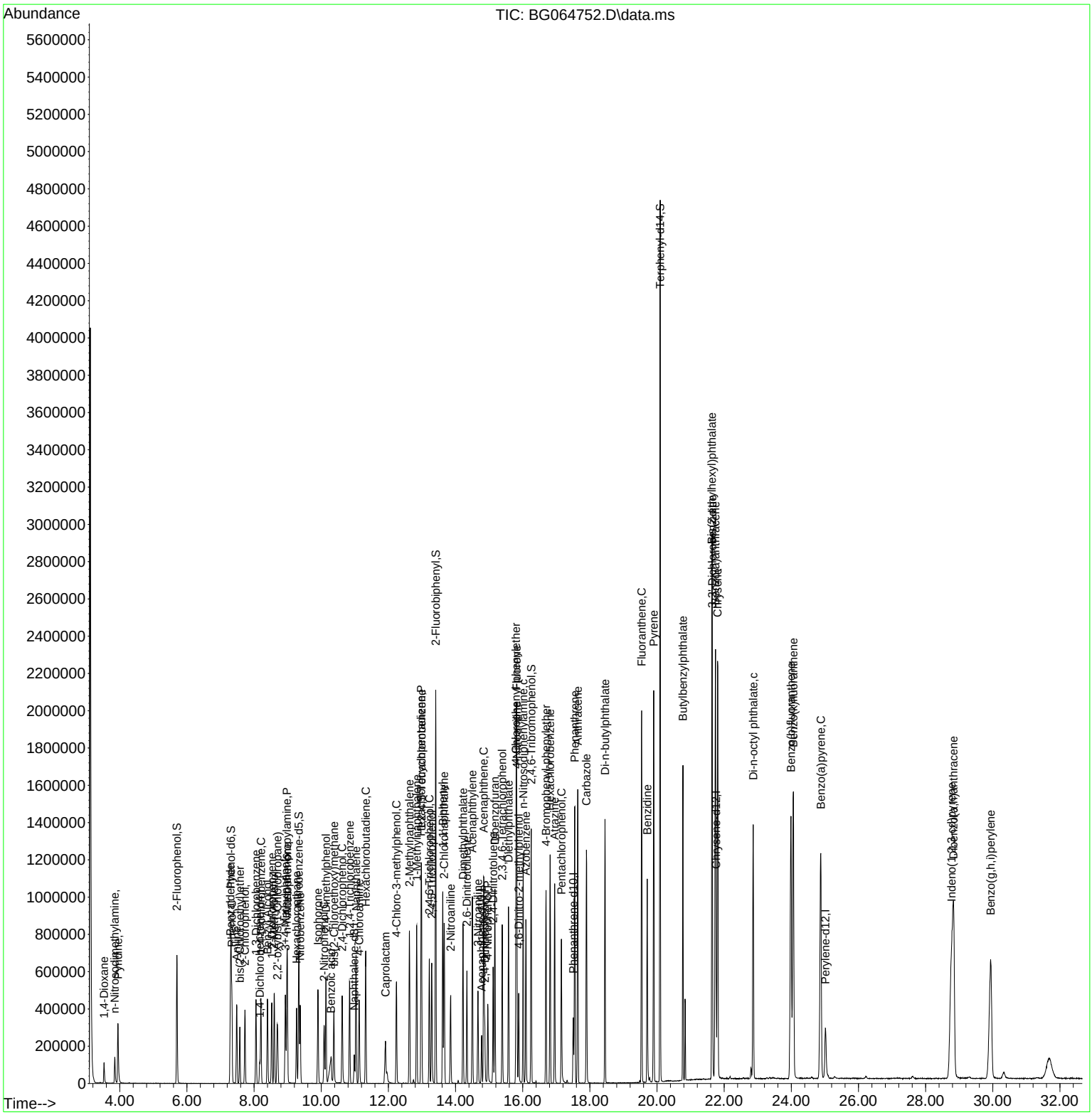
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

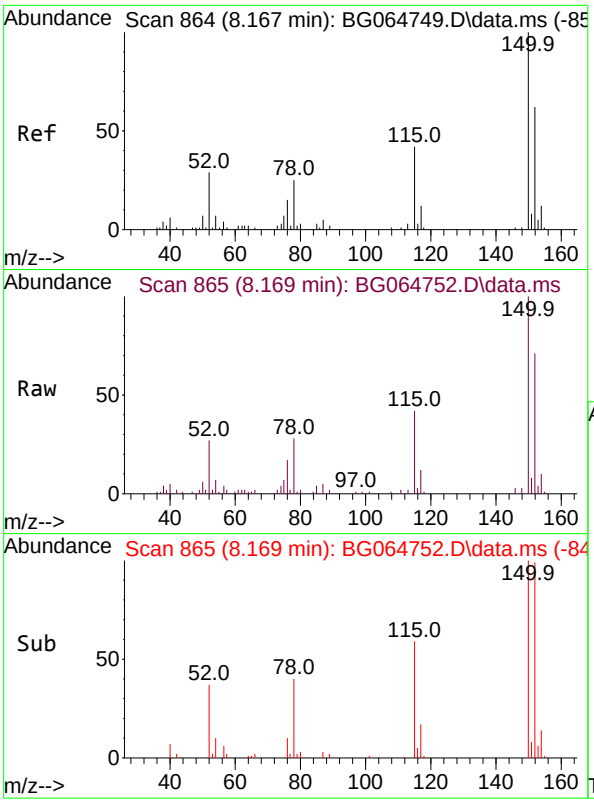
Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

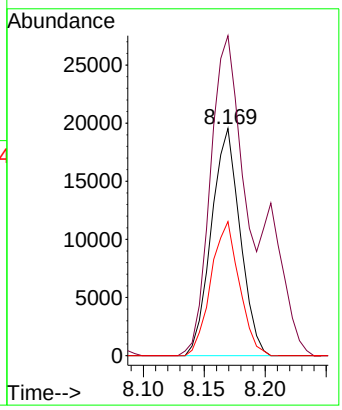




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:152 Resp: 3210

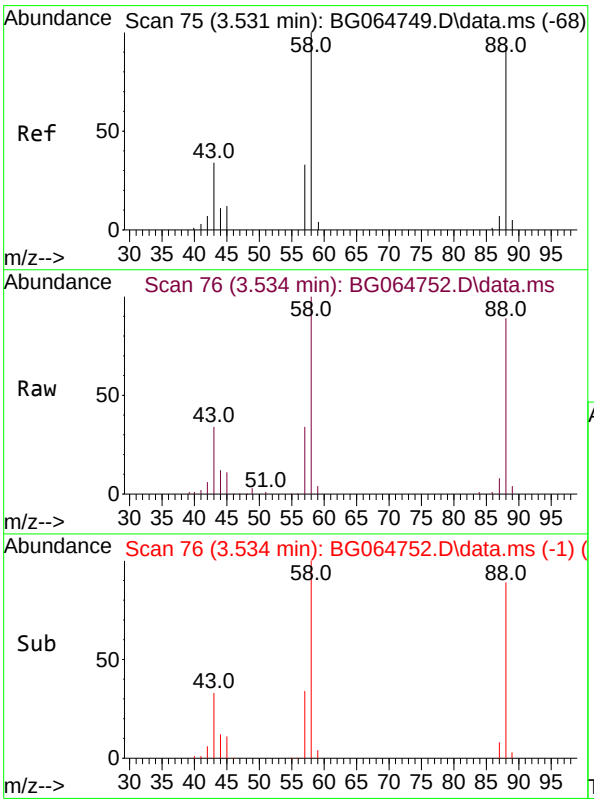
Ion	Ratio	Lower	Upper
152	100		
150	140.9	129.2	193.8
115	59.0	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

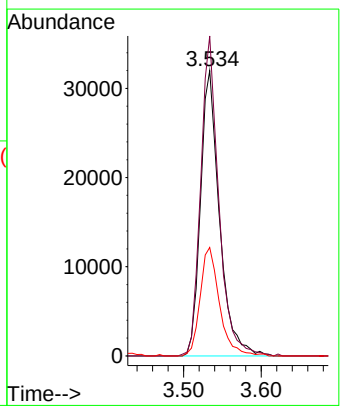
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

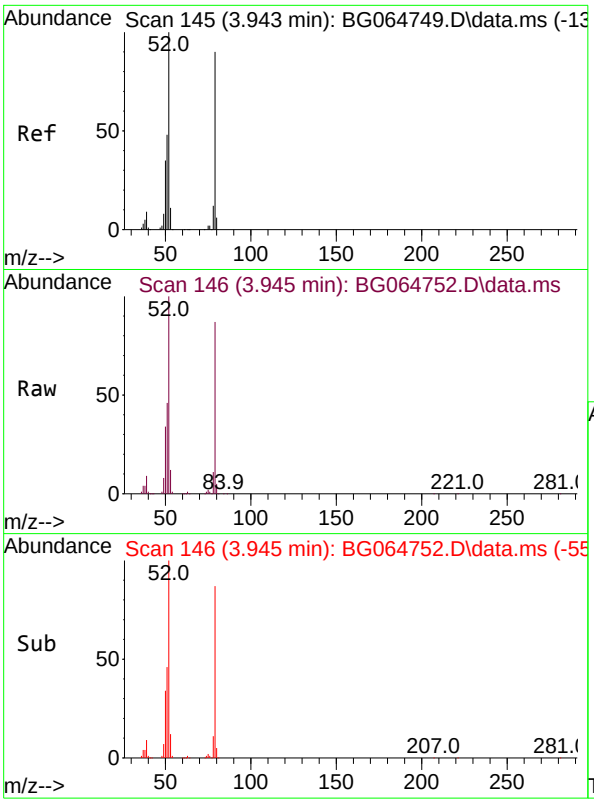


#2
1,4-Dioxane
Concen: 76.222 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 88 Resp: 54244

Ion	Ratio	Lower	Upper
88	100		
58	107.1	84.6	126.8
43	38.9	30.0	45.0

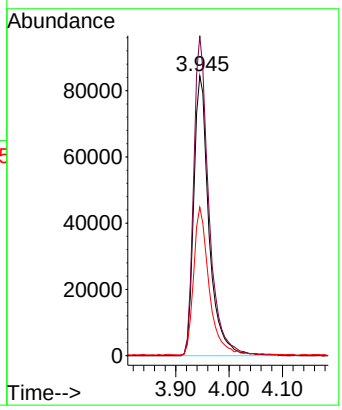




#3
Pyridine
Concen: 78.918 ng
RT: 3.945 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 79 Resp: 16733

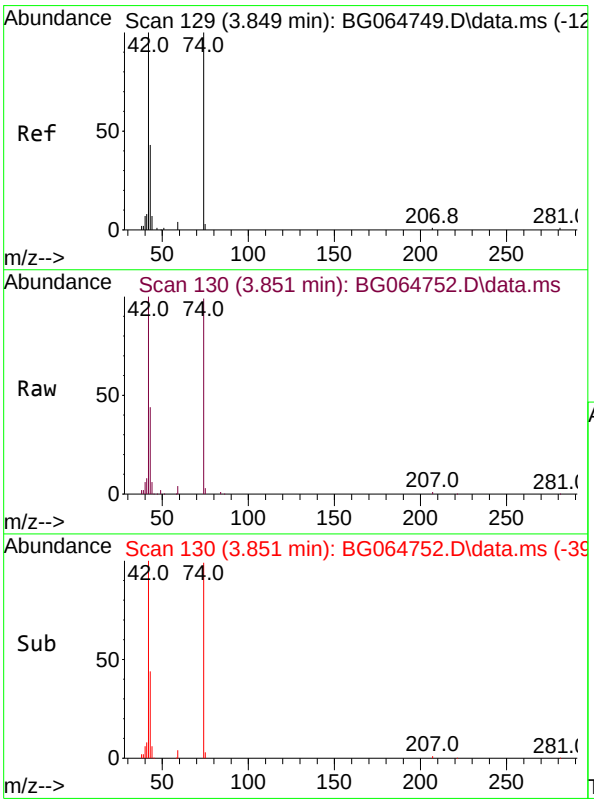
Ion	Ratio	Lower	Upper
79	100		
52	114.4	89.0	133.4
51	53.0	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

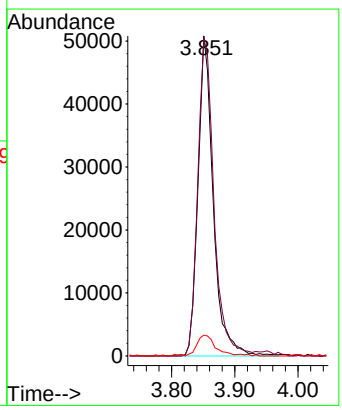
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

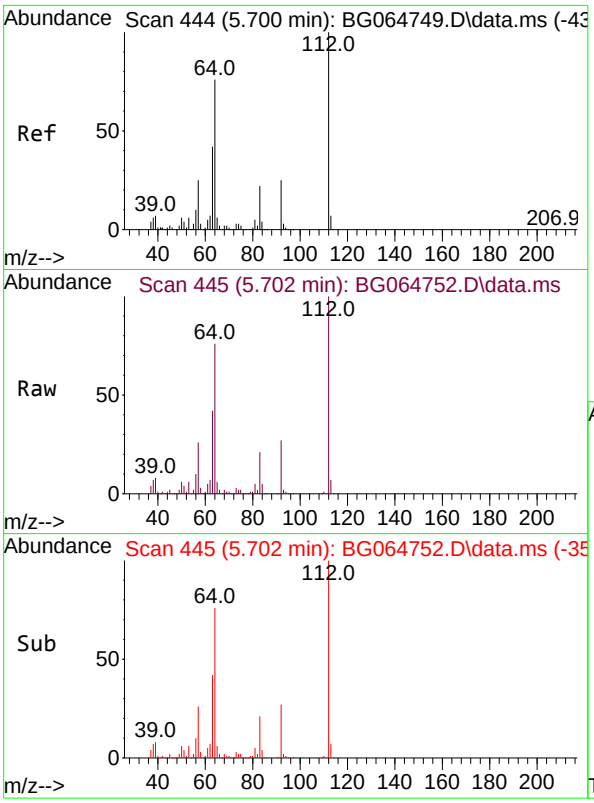


#4
n-Nitrosodimethylamine
Concen: 79.078 ng
RT: 3.851 min Scan# 130
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 42 Resp: 85343

Ion	Ratio	Lower	Upper
42	100		
74	99.2	79.8	119.6
44	6.5	5.9	8.9





#5
2-Fluorophenol
Concen: 159.215 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

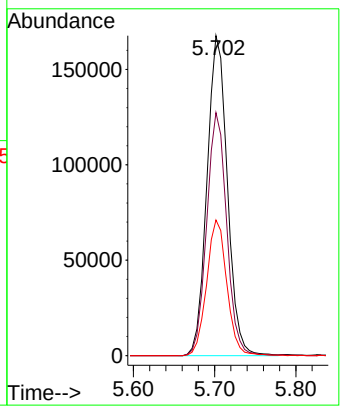
Tgt Ion:112 Resp: 29267

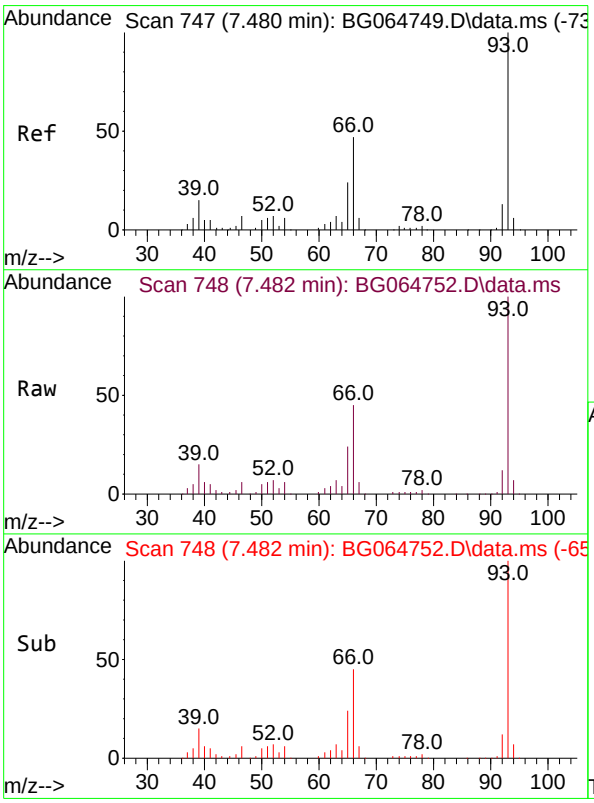
Ion	Ratio	Lower	Upper
112	100		
64	75.9	61.0	91.4
63	42.4	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

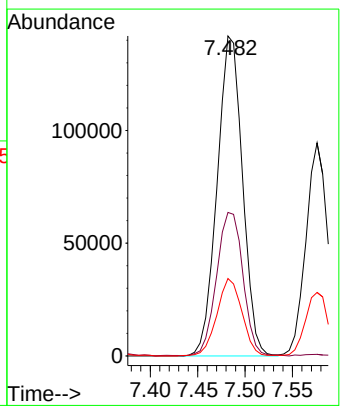


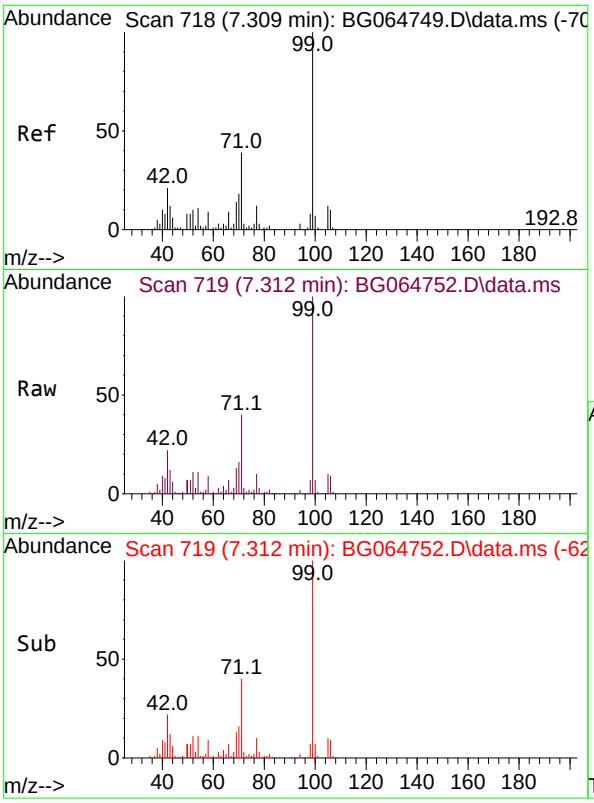


#6
Aniline
Concen: 81.049 ng
RT: 7.482 min Scan# 748
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 264134

Ion	Ratio	Lower	Upper
93	100		
66	44.8	37.7	56.5
65	24.2	19.1	28.7

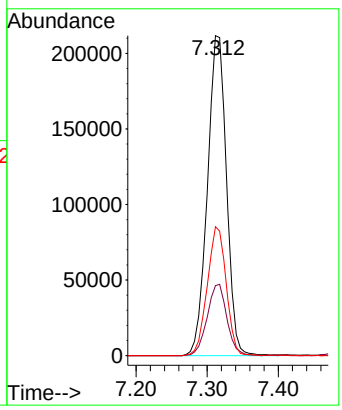




#7
Phenol-d6
Concen: 161.732 ng
RT: 7.312 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 99 Resp: 39543

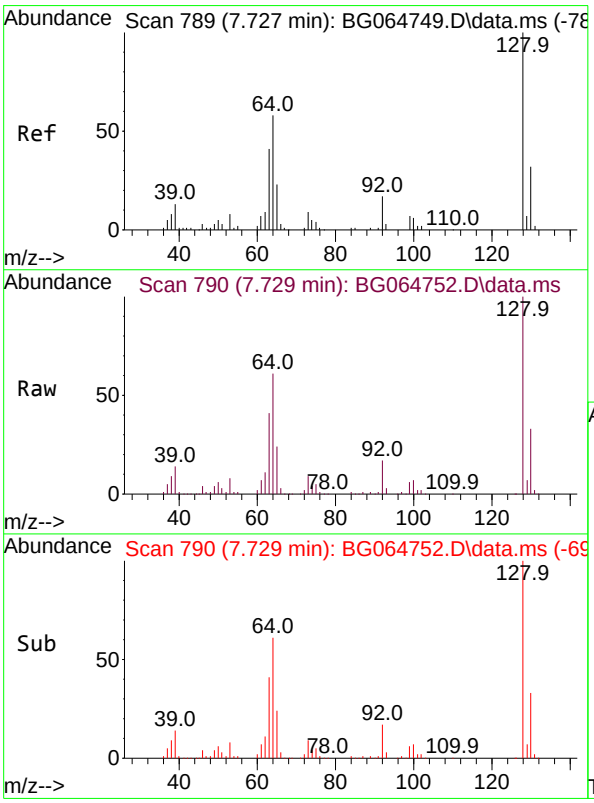
Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.8	25.2
71	40.3	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

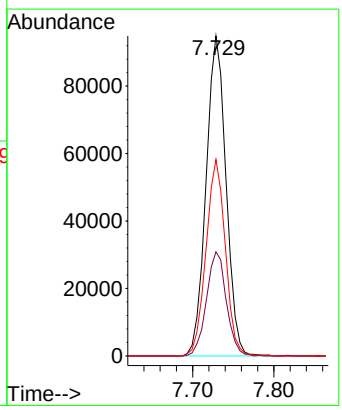
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

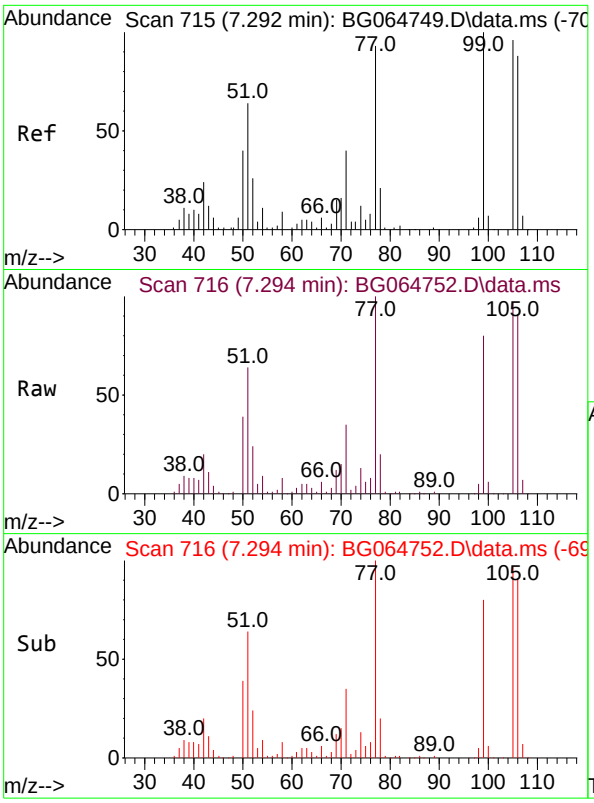


#8
2-Chlorophenol
Concen: 80.237 ng
RT: 7.729 min Scan# 790
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:128 Resp: 161956

Ion	Ratio	Lower	Upper
128	100		
130	32.5	11.9	51.9
64	61.4	38.4	78.4

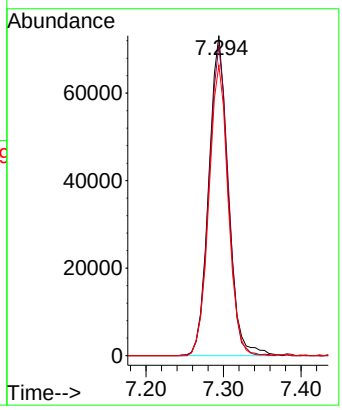




#9
Benzaldehyde
Concen: 79.738 ng
RT: 7.294 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 12761

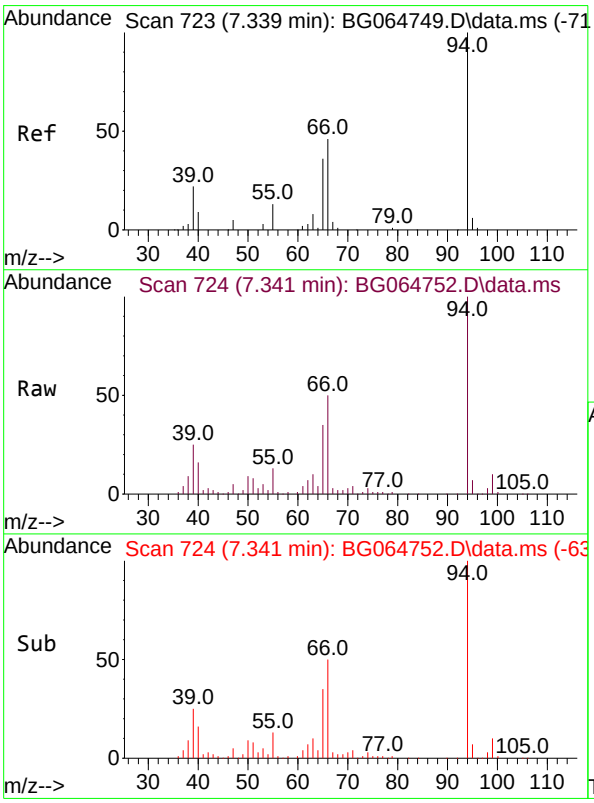
Ion	Ratio	Lower	Upper
77	100		
105	96.9	83.8	123.8
106	90.8	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

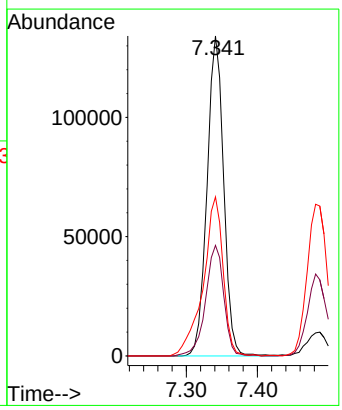
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

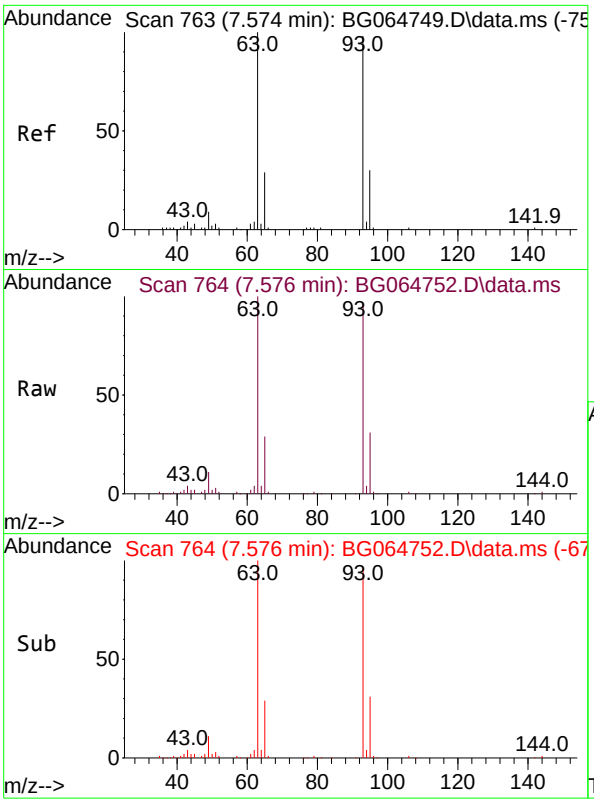


#10
Phenol
Concen: 81.938 ng
RT: 7.341 min Scan# 724
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 94 Resp: 217972

Ion	Ratio	Lower	Upper
94	100		
65	34.5	17.0	57.0
66	49.7	29.8	69.8

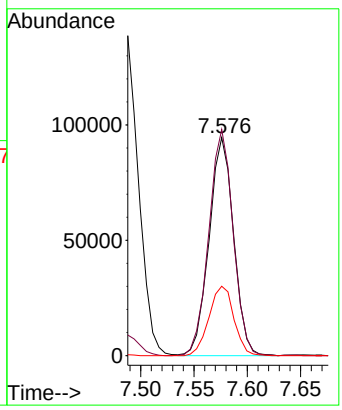




#11
bis(2-Chloroethyl)ether
Concen: 79.766 ng
RT: 7.576 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 15099

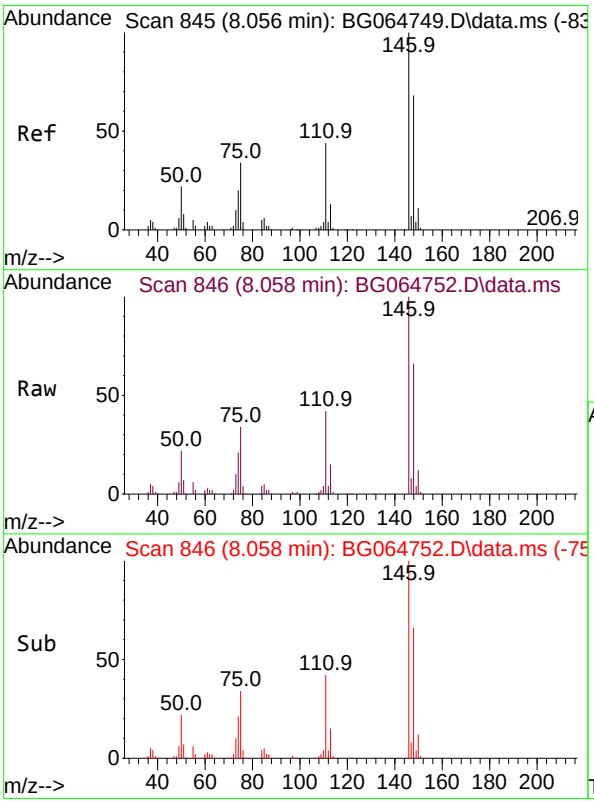
Ion	Ratio	Lower	Upper
93	100		
63	103.7	81.8	121.8
95	31.8	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

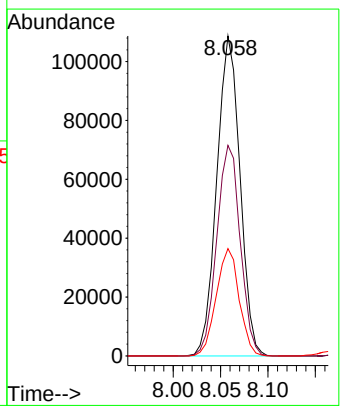
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

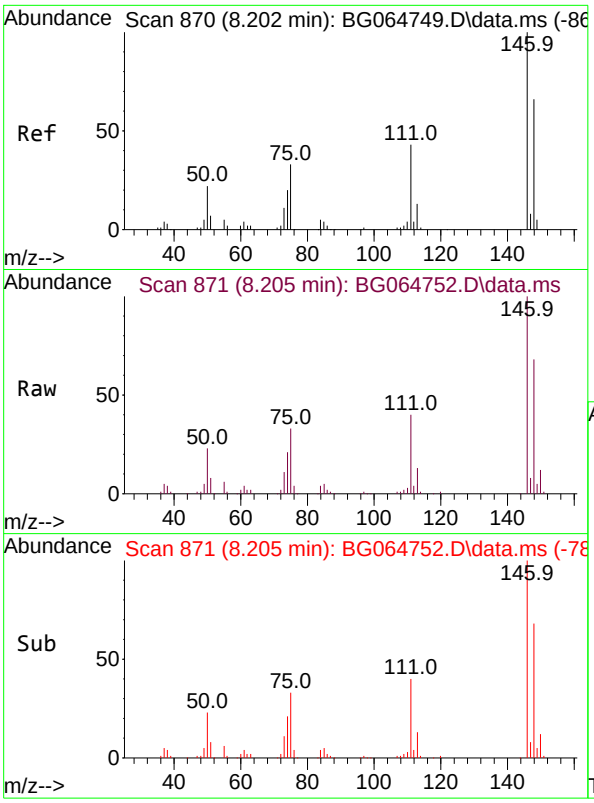


#12
1,3-Dichlorobenzene
Concen: 79.580 ng
RT: 8.058 min Scan# 846
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 184833

Ion	Ratio	Lower	Upper
146	100		
148	65.8	54.6	82.0
75	33.5	27.6	41.4

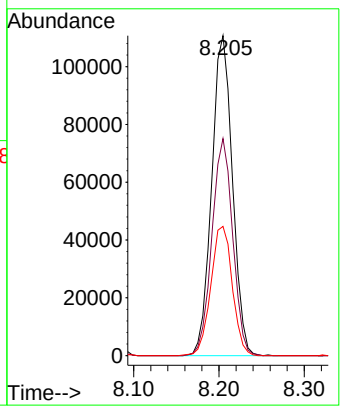




#13
1,4-Dichlorobenzene
Concen: 79.042 ng
RT: 8.205 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 18693

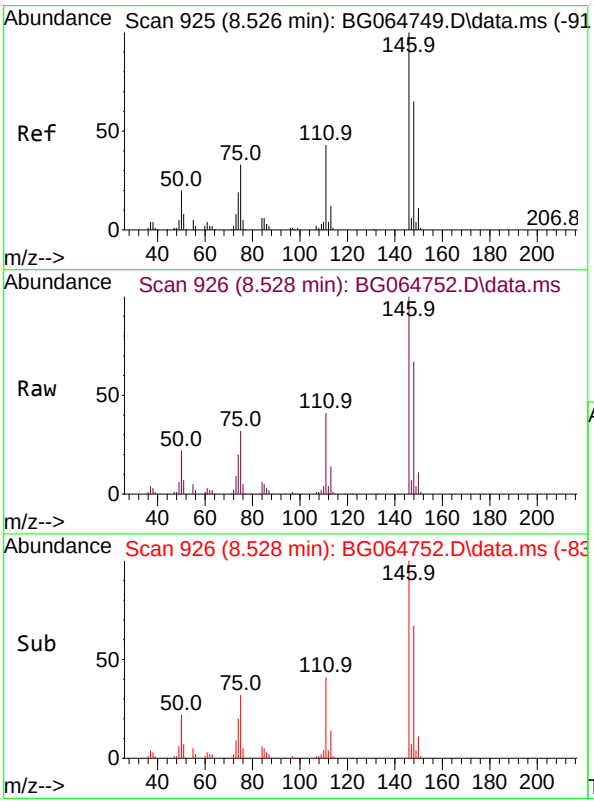
Ion	Ratio	Lower	Upper
146	100		
148	67.8	53.1	79.7
111	40.4	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

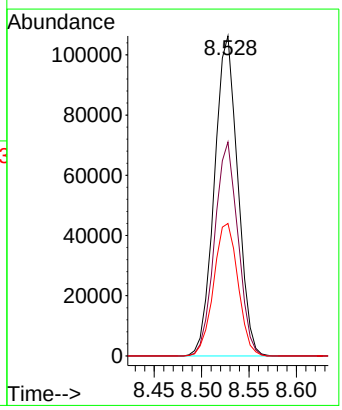
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

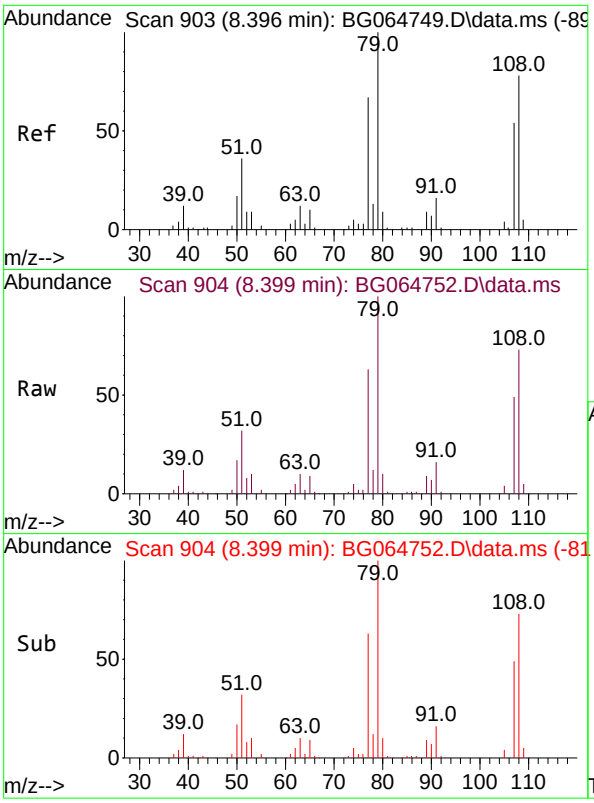


#14
1,2-Dichlorobenzene
Concen: 79.436 ng
RT: 8.528 min Scan# 926
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 182159

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.0	78.0
111	41.4	34.7	52.1

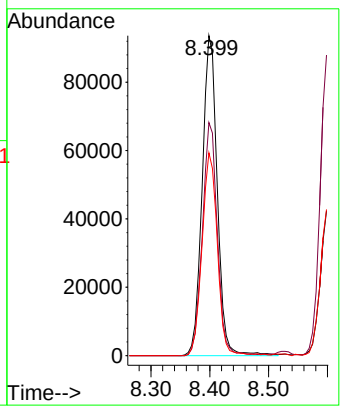




#15
Benzyl Alcohol
Concen: 83.145 ng
RT: 8.399 min Scan# 90
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 79 Resp: 16686

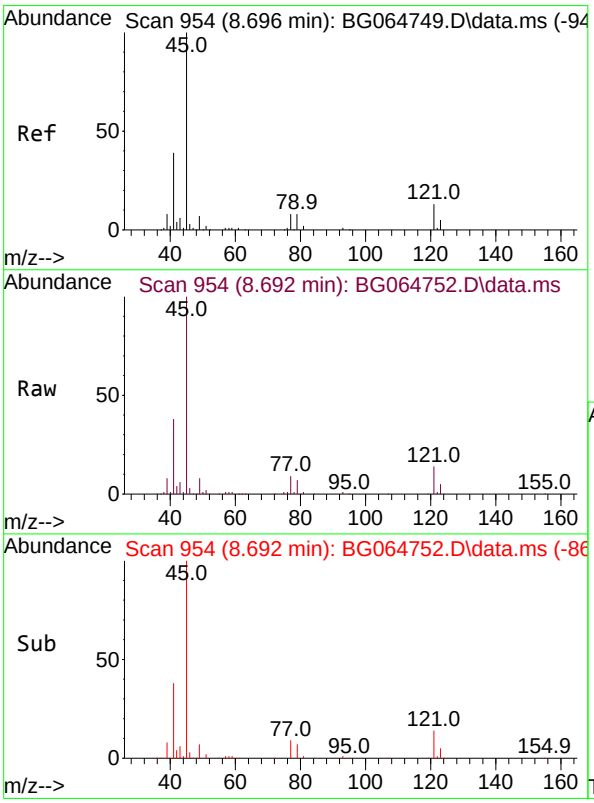
Ion	Ratio	Lower	Upper
79	100		
108	72.8	62.3	93.5
77	63.4	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

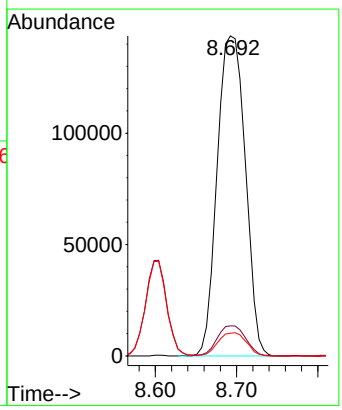
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

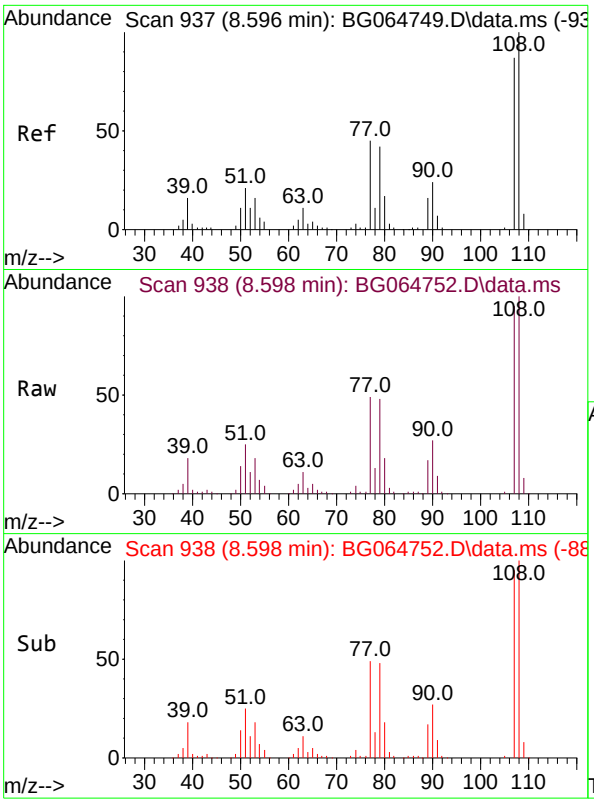


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.148 ng
RT: 8.692 min Scan# 954
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 45 Resp: 345673

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	28.8
79	7.1	0.0	28.1

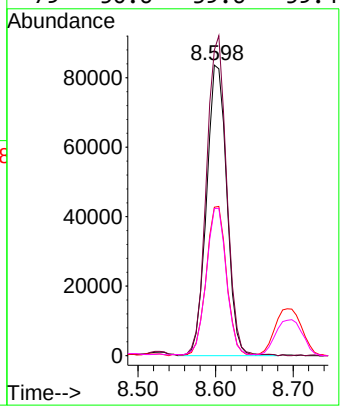




#17
2-Methylphenol
Concen: 80.814 ng
RT: 8.598 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 15211

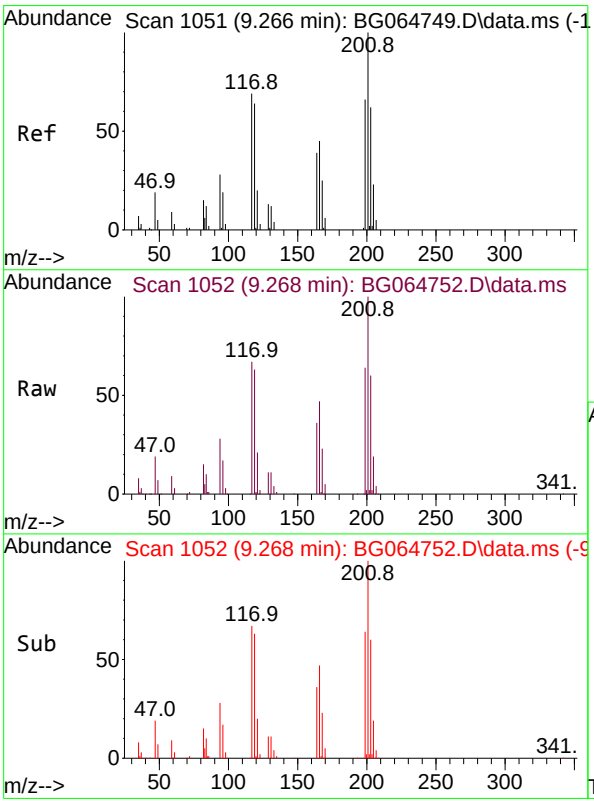
Ion	Ratio	Lower	Upper
107	100		
108	105.2	92.6	138.8
77	51.1	41.2	61.8
79	50.6	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

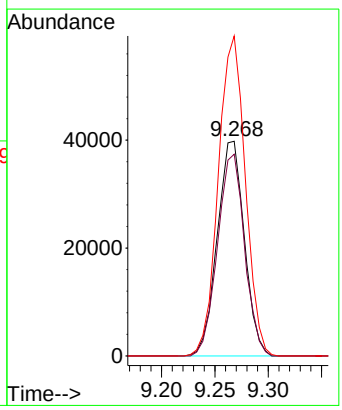
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

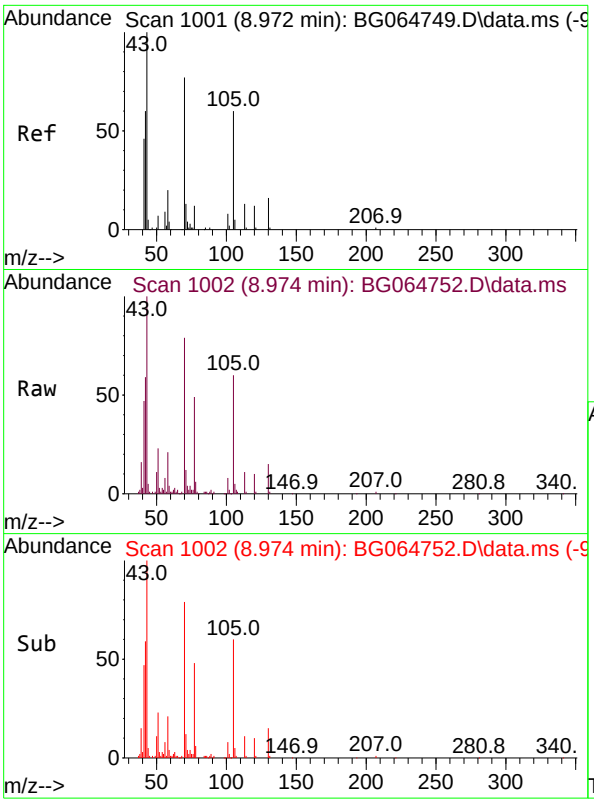


#18
Hexachloroethane
Concen: 78.483 ng
RT: 9.268 min Scan# 1052
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:117 Resp: 70302

Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.4	111.6
201	149.1	116.5	174.7

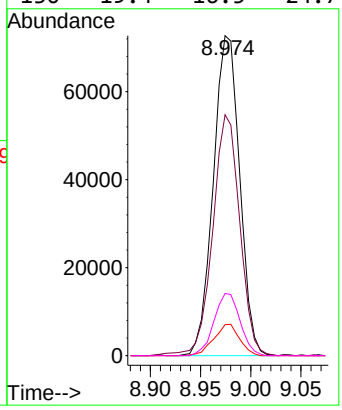




#19
n-Nitroso-di-n-propylamine
Concen: 80.726 ng
RT: 8.974 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 70 Resp: 13345

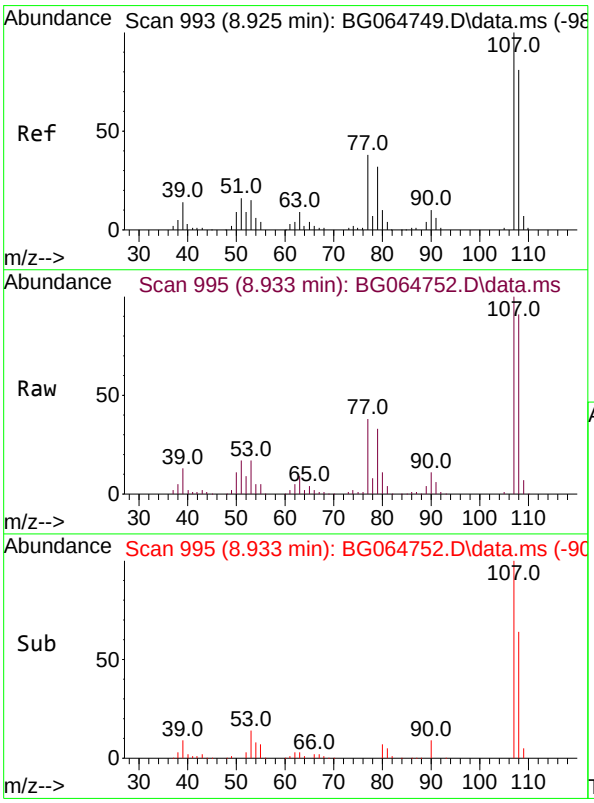
Ion	Ratio	Lower	Upper
70	100		
42	75.3	62.6	93.8
101	9.7	8.0	12.0
130	19.4	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

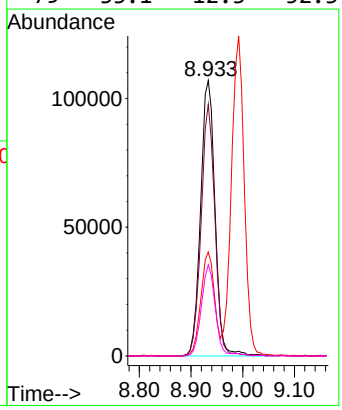
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

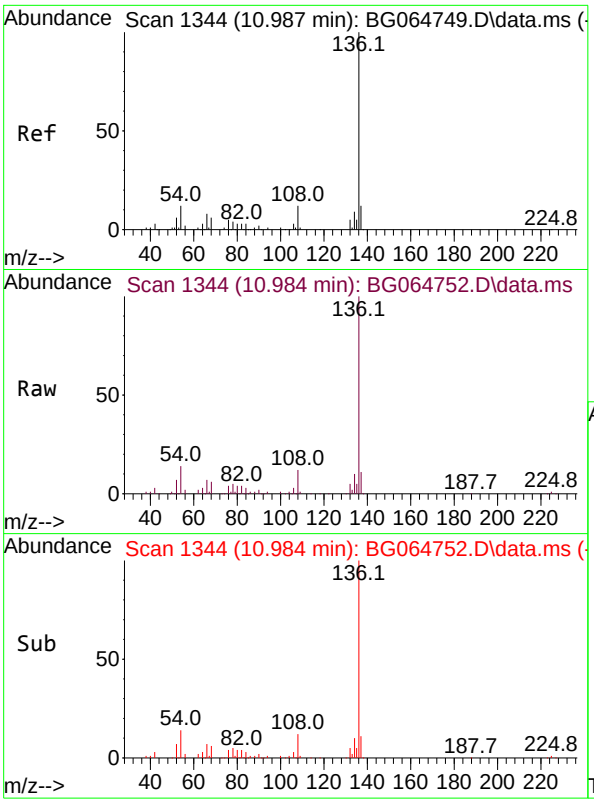


#20
3+4-Methylphenols
Concen: 80.182 ng
RT: 8.933 min Scan# 995
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 206758

Ion	Ratio	Lower	Upper
107	100		
108	91.4	61.0	101.0
77	37.8	17.6	57.6
79	33.1	12.3	52.3

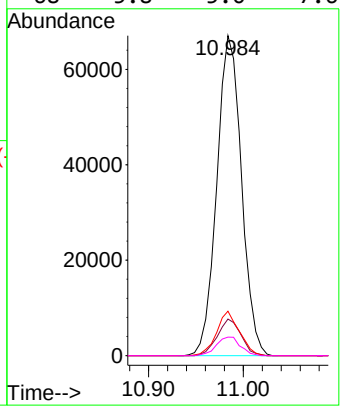




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:136 Resp: 12126

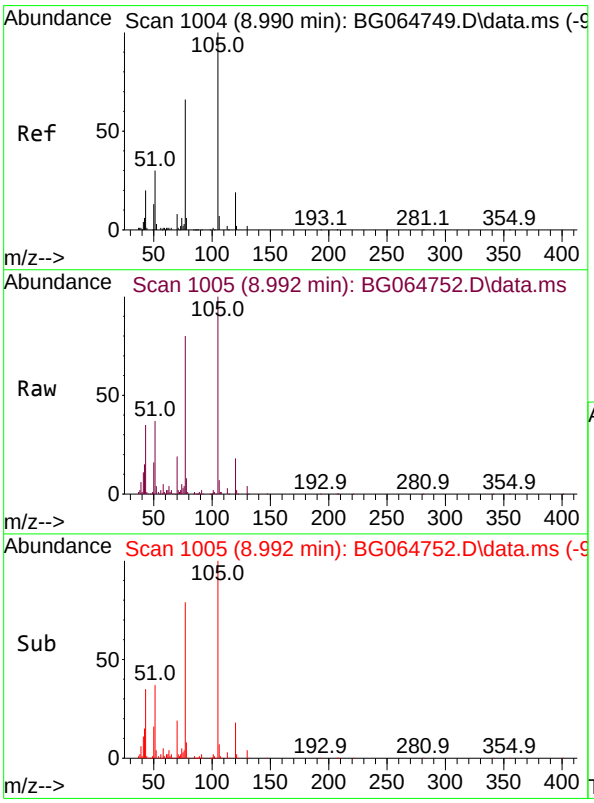
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	13.9	9.3	13.9
68	5.8	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

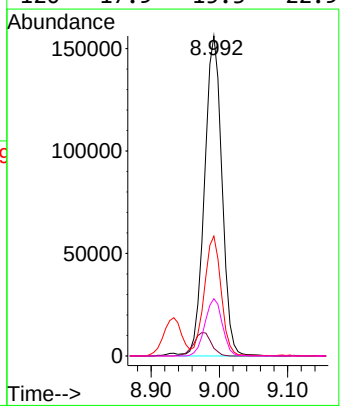
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

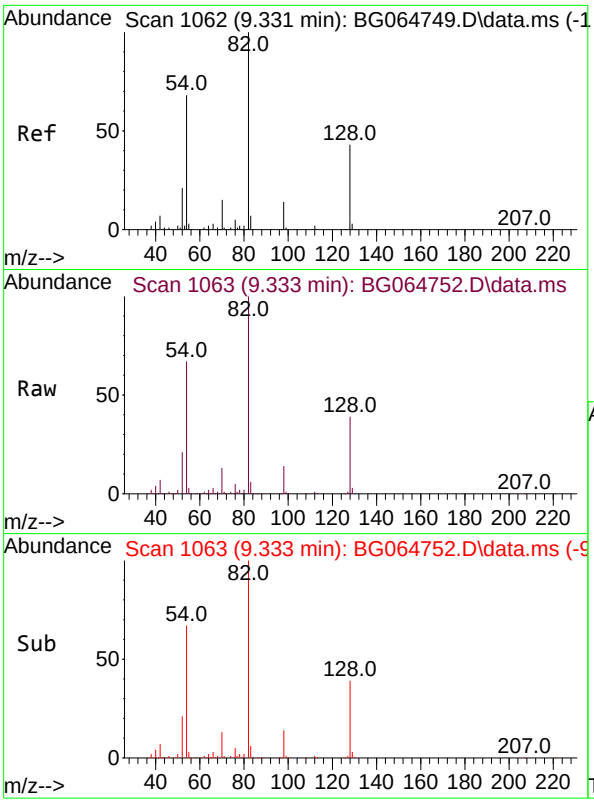


#22
Acetophenone
Concen: 83.774 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:105 Resp: 276774

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.3	1.9#
51	37.4	27.9	41.9
120	17.9	15.3	22.9

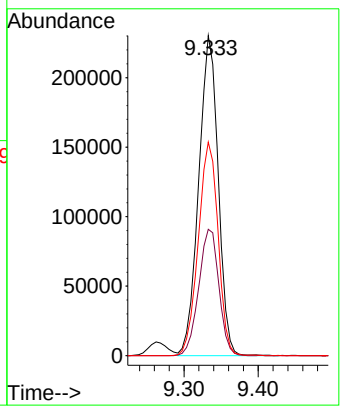




#23
Nitrobenzene-d5
Concen: 171.129 ng
RT: 9.333 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 82 Resp: 41972

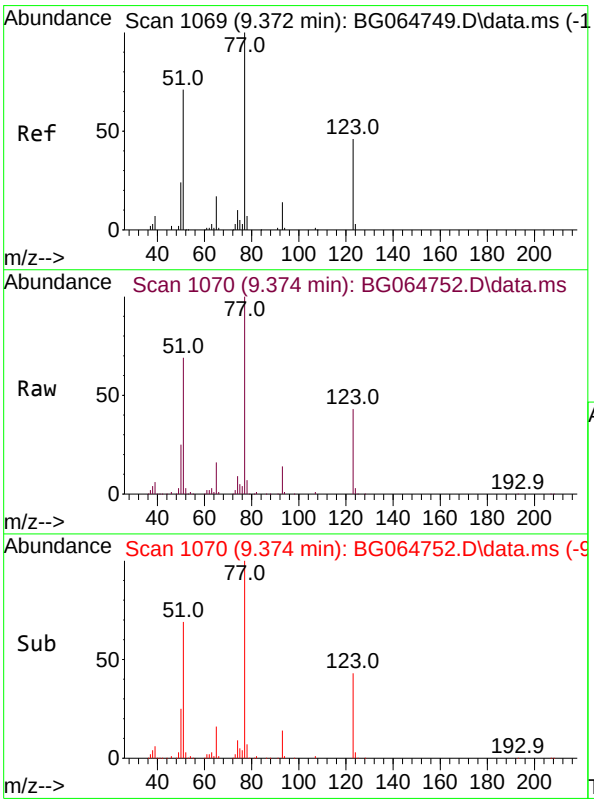
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.1	51.1
54	66.7	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

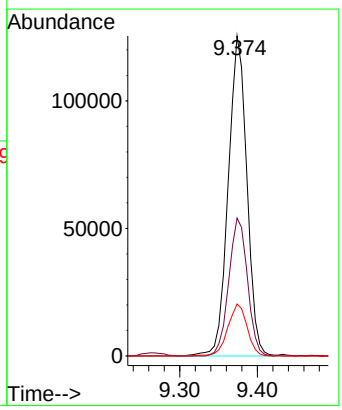
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

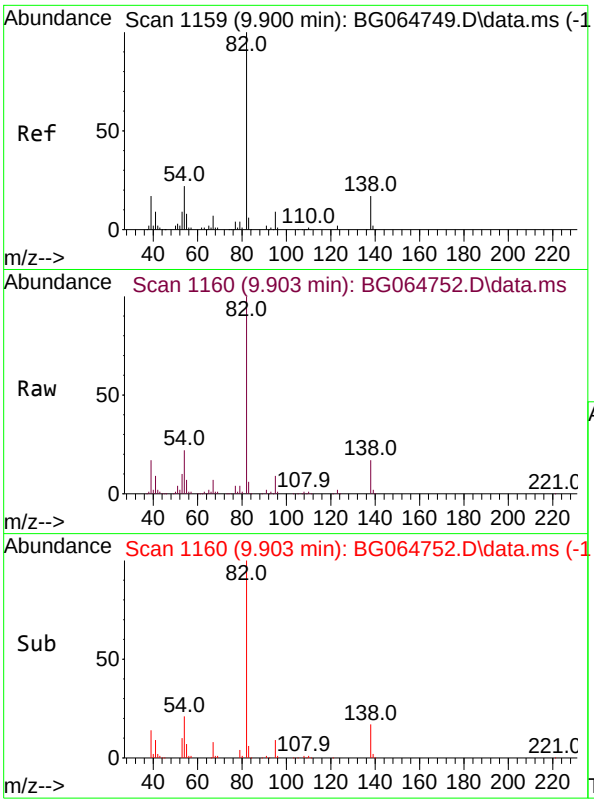


#24
Nitrobenzene
Concen: 84.650 ng
RT: 9.374 min Scan# 1070
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 209778

Ion	Ratio	Lower	Upper
77	100		
123	43.1	36.5	54.7
65	16.2	13.5	20.3





#25
Isophorone
Concen: 81.460 ng
RT: 9.903 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

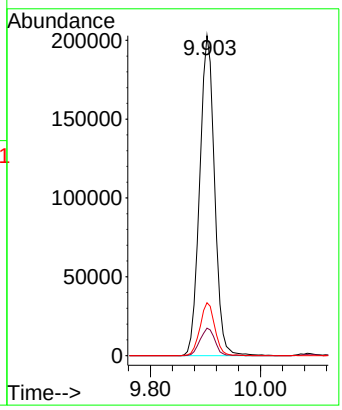
Tgt Ion: 82 Resp: 380468

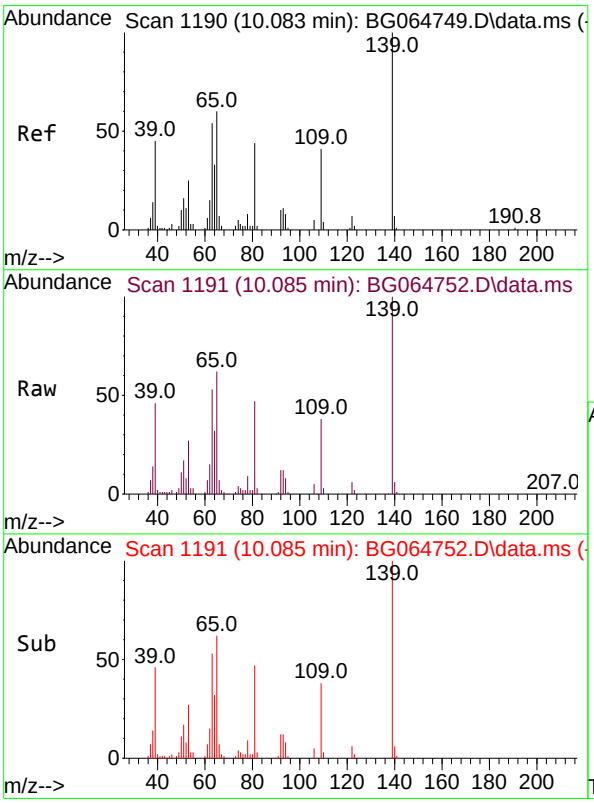
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	16.5	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

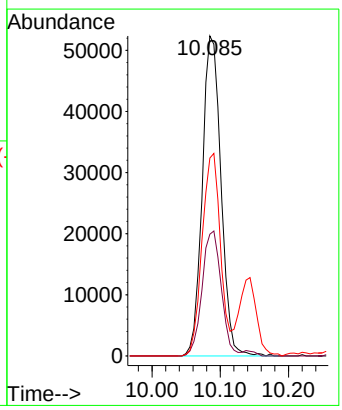


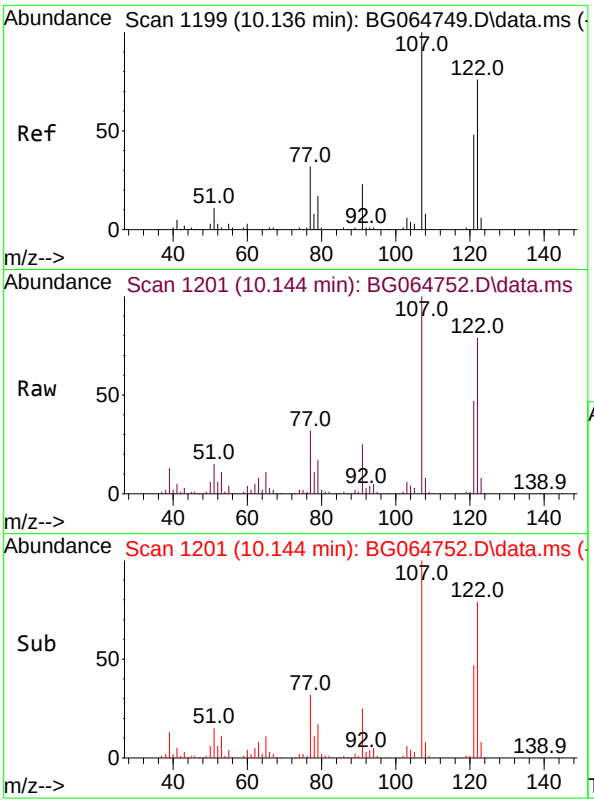


#26
2-Nitrophenol
Concen: 89.526 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:139 Resp: 99793

Ion	Ratio	Lower	Upper
139	100		
109	38.0	32.5	48.7
65	61.8	47.6	71.4

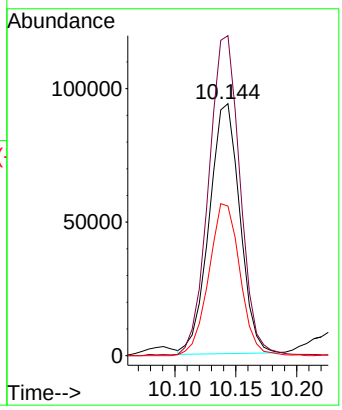




#27
2,4-Dimethylphenol
Concen: 82.812 ng
RT: 10.144 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:122 Resp: 16399

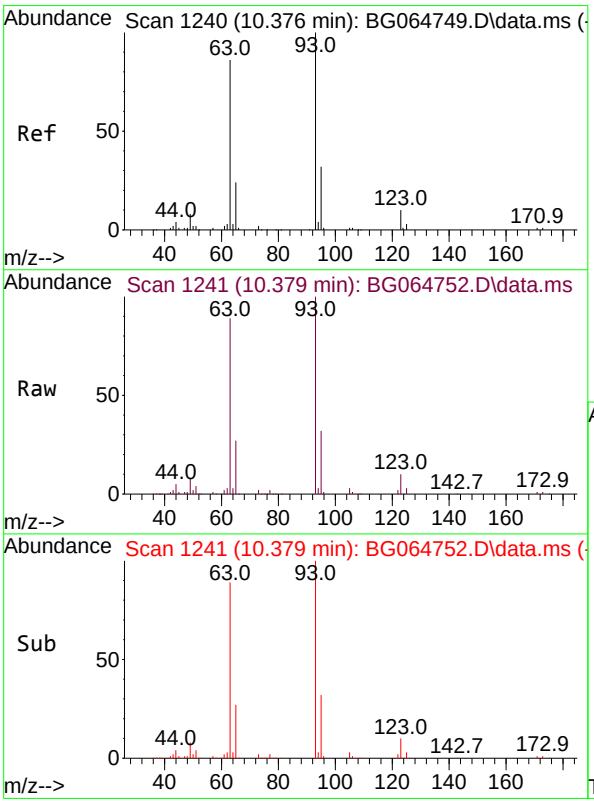
Ion	Ratio	Lower	Upper
122	100		
107	127.1	102.5	153.7
121	59.4	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

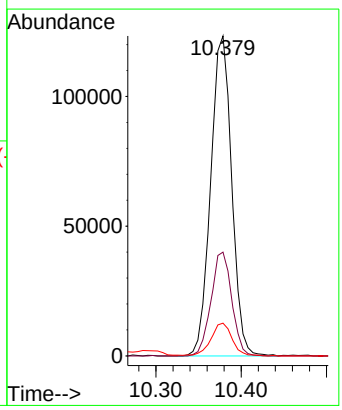
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

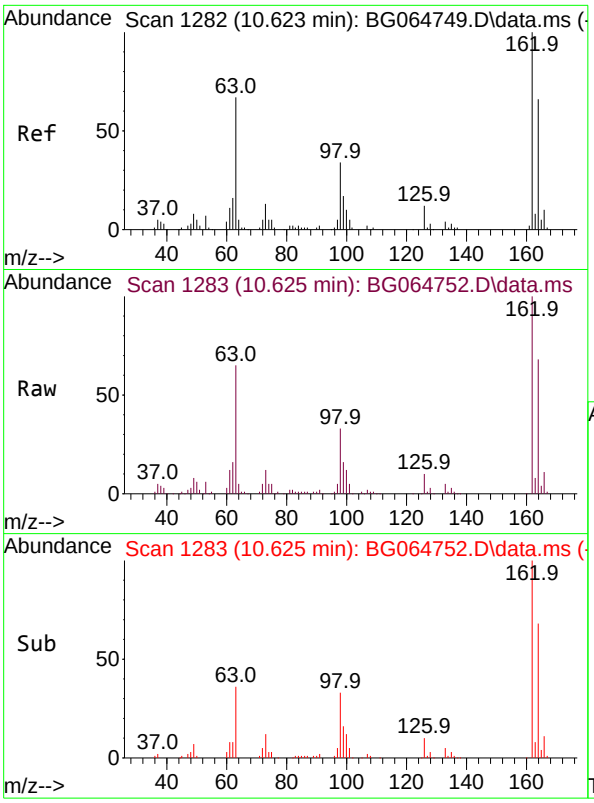


#28
bis(2-Chloroethoxy)methane
Concen: 82.303 ng
RT: 10.379 min Scan# 1241
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 211036

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.4	38.2
123	10.2	8.1	12.1

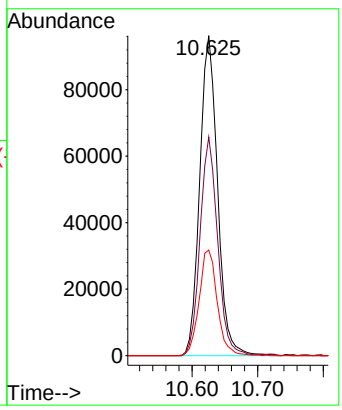




#29
2,4-Dichlorophenol
Concen: 85.199 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:162 Resp: 18114

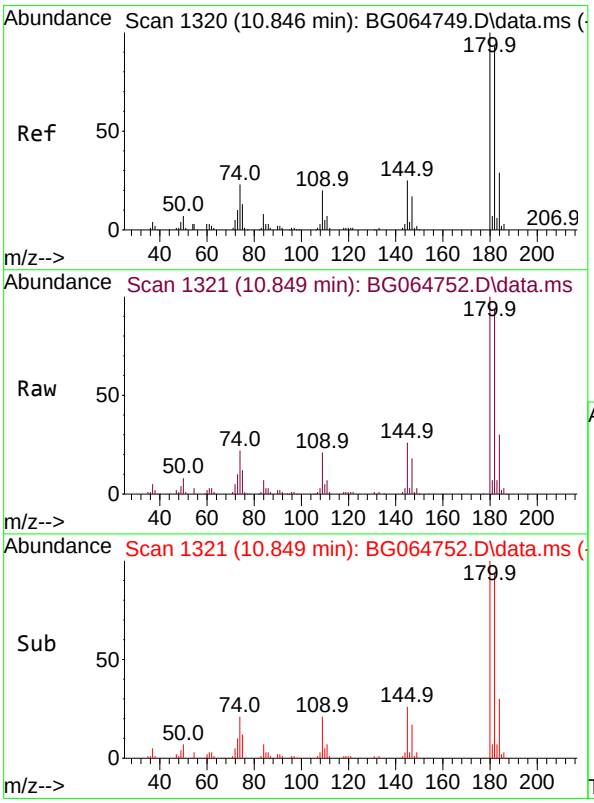
Ion	Ratio	Lower	Upper
162	100		
164	68.3	46.0	86.0
98	33.0	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

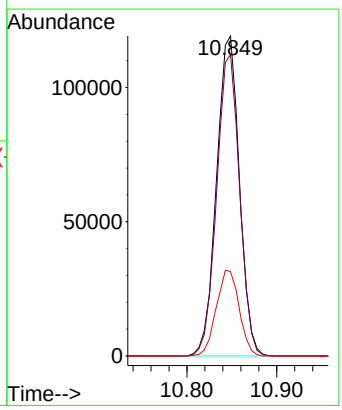
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

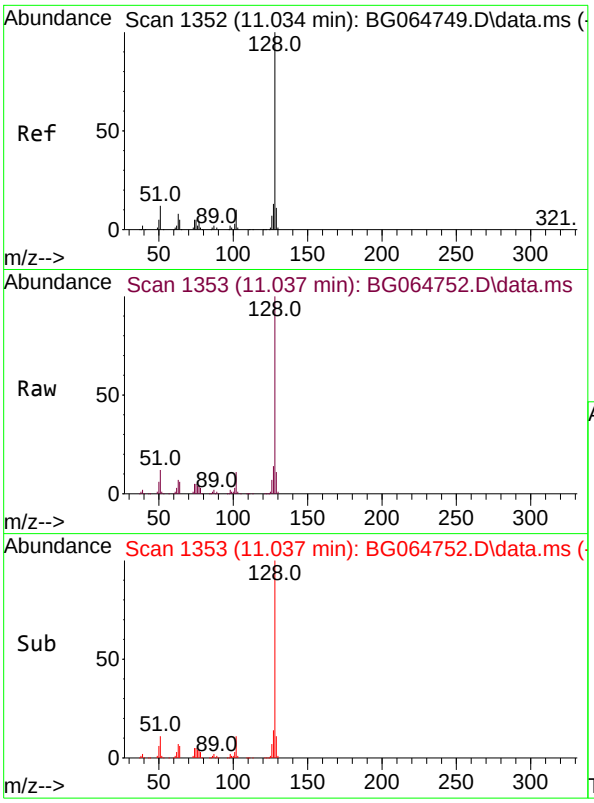


#30
1,2,4-Trichlorobenzene
Concen: 82.282 ng
RT: 10.849 min Scan# 1321
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:180 Resp: 211243

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.2	111.4
145	26.3	20.0	30.0

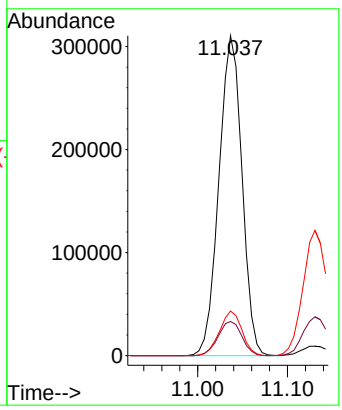




#31
Naphthalene
Concen: 80.791 ng
RT: 11.037 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:128 Resp: 55538

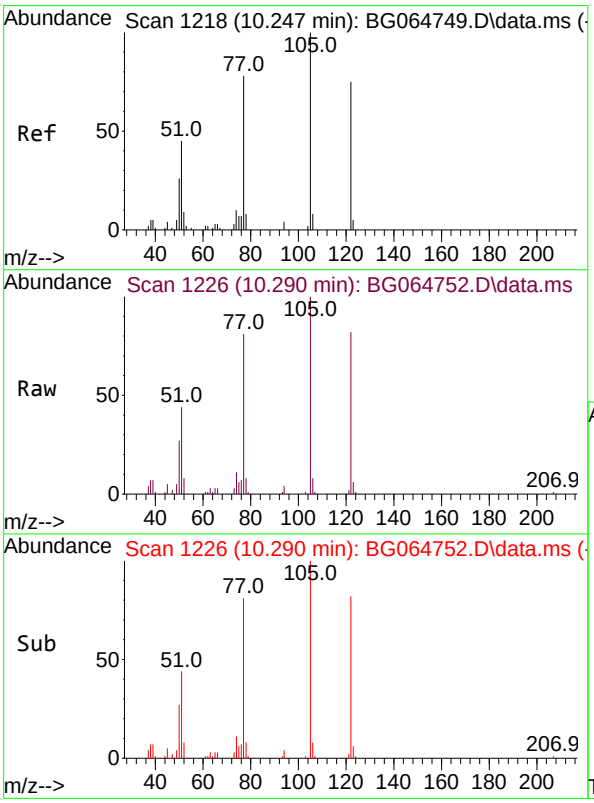
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	14.0	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

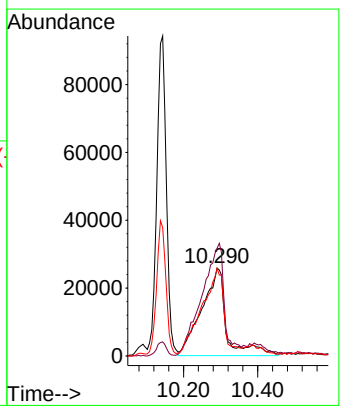
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

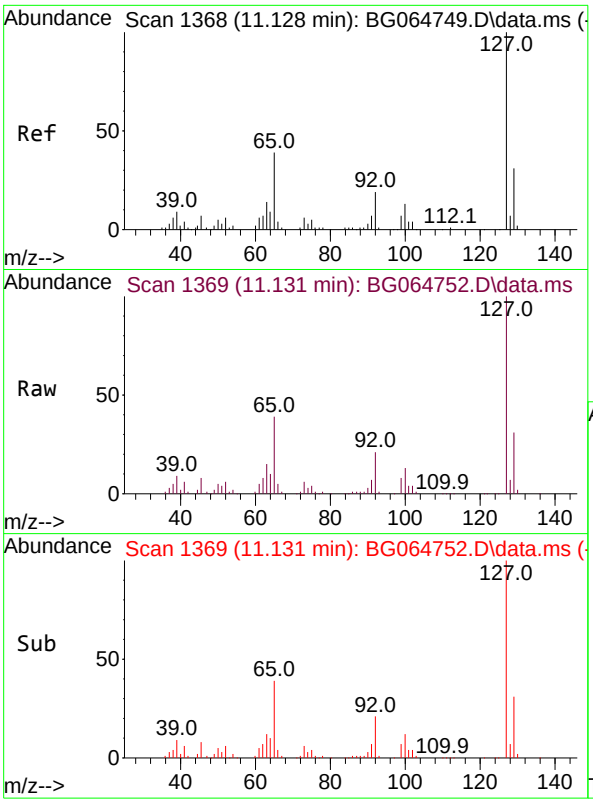


#32
Benzoic acid
Concen: 81.210 ng m
RT: 10.290 min Scan# 1226
Delta R.T. 0.043 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:122 Resp: 120088

Ion	Ratio	Lower	Upper
122	100		
105	122.6	107.6	147.6
77	99.8	82.5	122.5

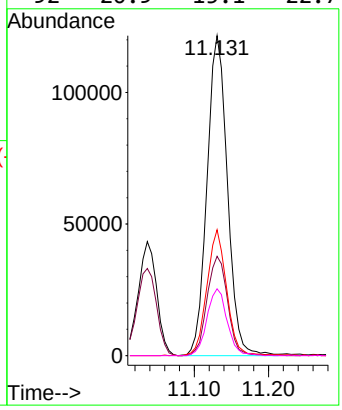




#33
4-Chloroaniline
Concen: 84.507 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:127 Resp: 23238

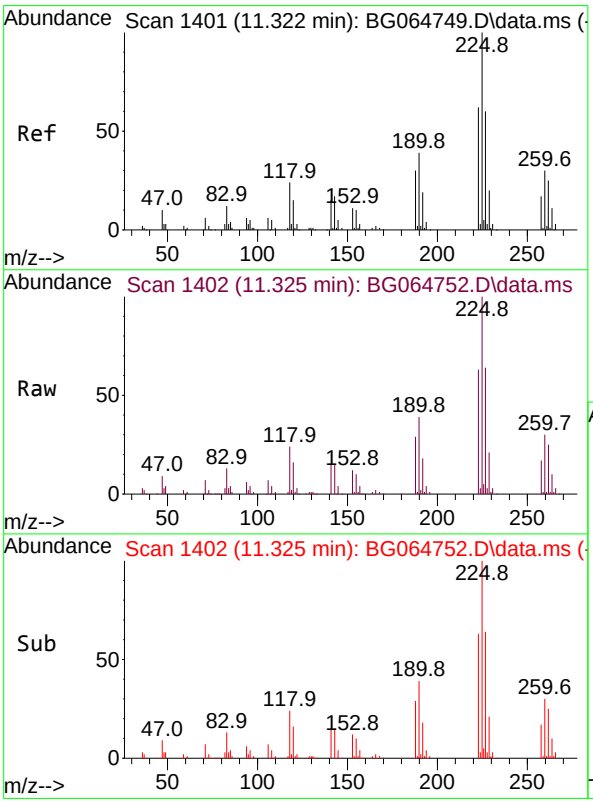
Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.9	37.3
65	39.3	30.9	46.3
92	20.9	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

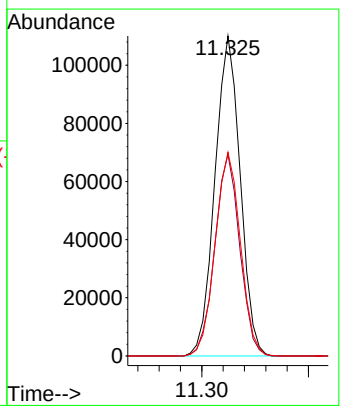
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

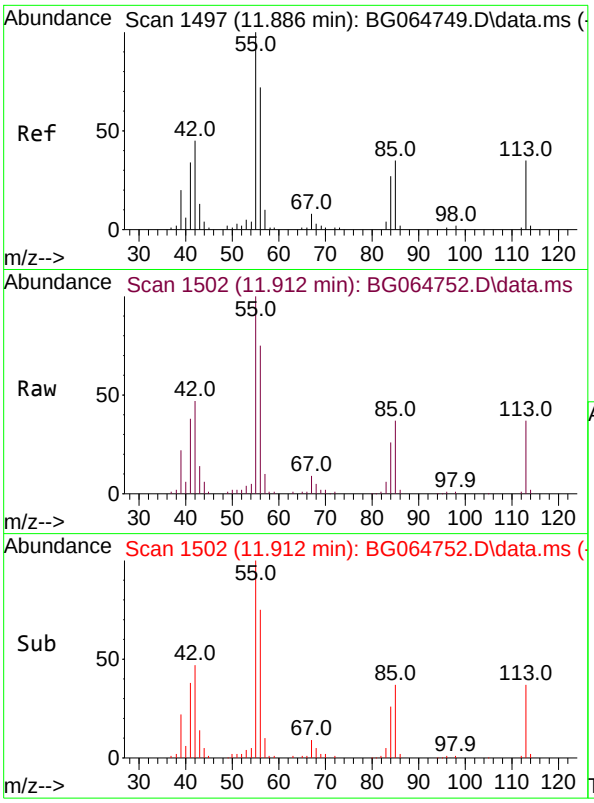


#34
Hexachlorobutadiene
Concen: 82.408 ng
RT: 11.325 min Scan# 1402
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:225 Resp: 181526

Ion	Ratio	Lower	Upper
225	100		
223	60.0	49.9	74.9
227	63.6	50.6	75.8

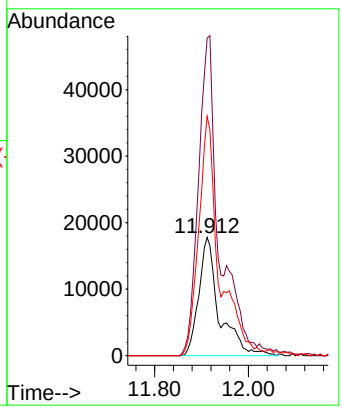




#35
Caprolactam
Concen: 84.873 ng m
RT: 11.912 min Scan# 1
Delta R.T. 0.026 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:113 Resp: 5392

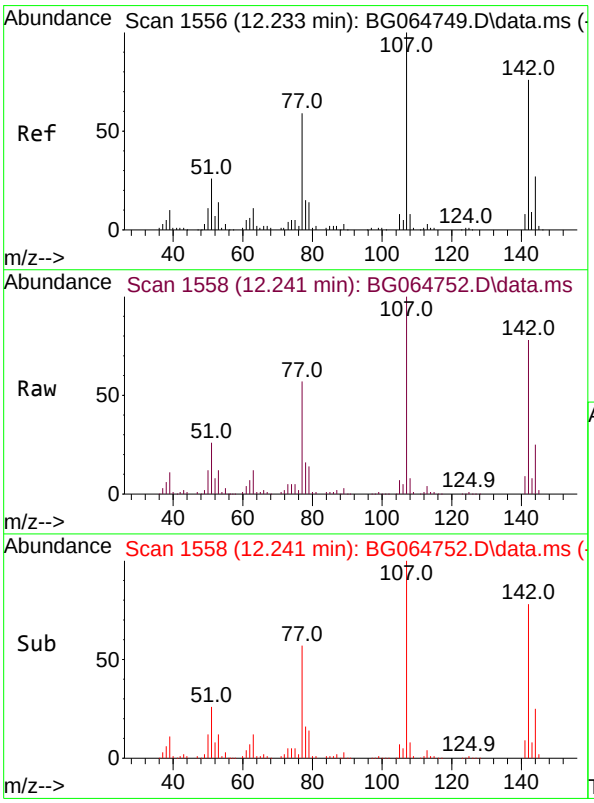
Ion	Ratio	Lower	Upper
113	100		
55	268.8	263.7	303.7
56	202.5	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

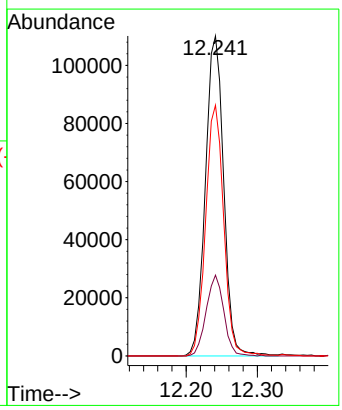
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

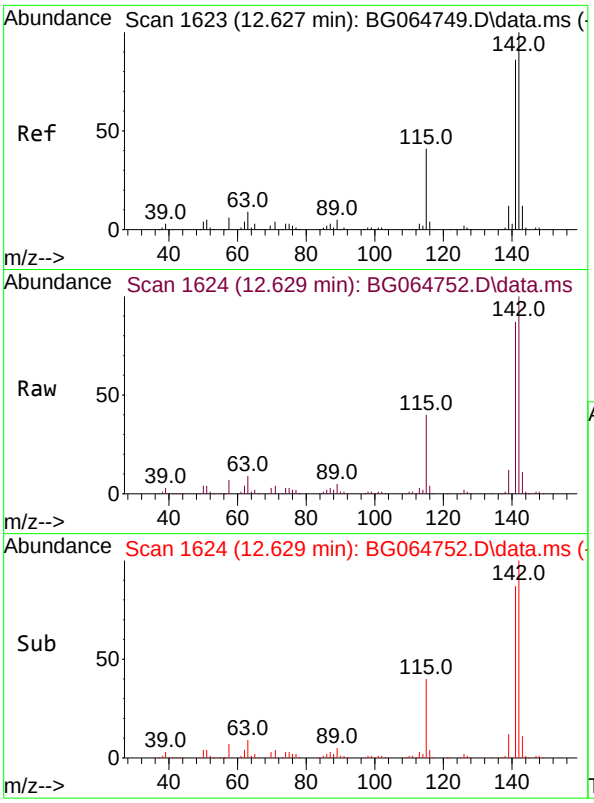


#36
4-Chloro-3-methylphenol
Concen: 82.752 ng
RT: 12.241 min Scan# 1558
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 195826

Ion	Ratio	Lower	Upper
107	100		
144	25.2	21.7	32.5
142	78.3	60.8	91.2

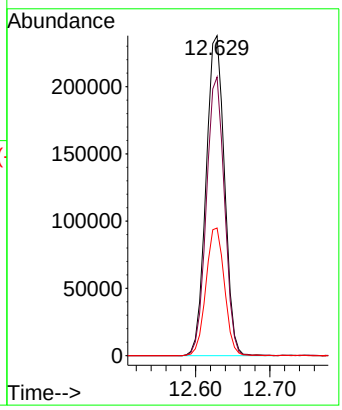




#37
2-Methylnaphthalene
Concen: 79.790 ng
RT: 12.629 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:142 Resp: 41046

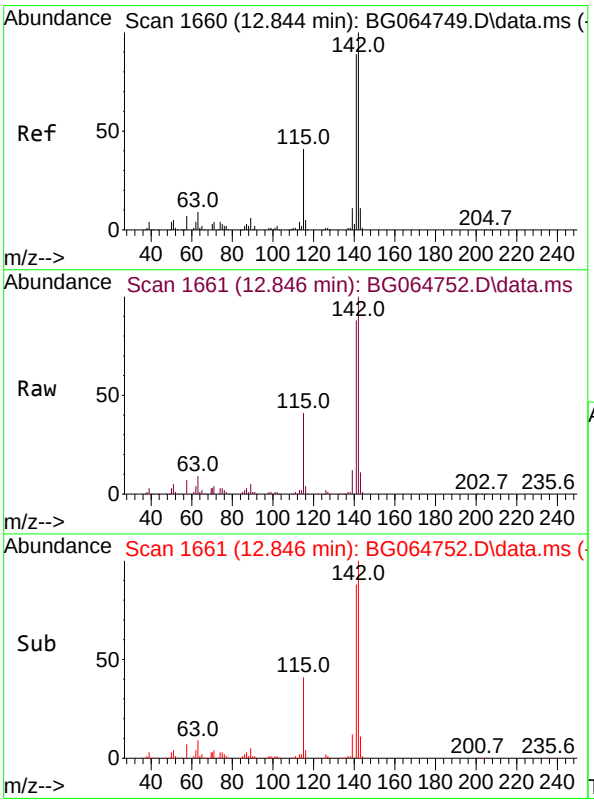
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.1	103.7
115	39.9	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

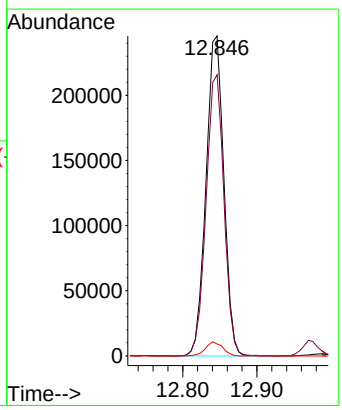
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

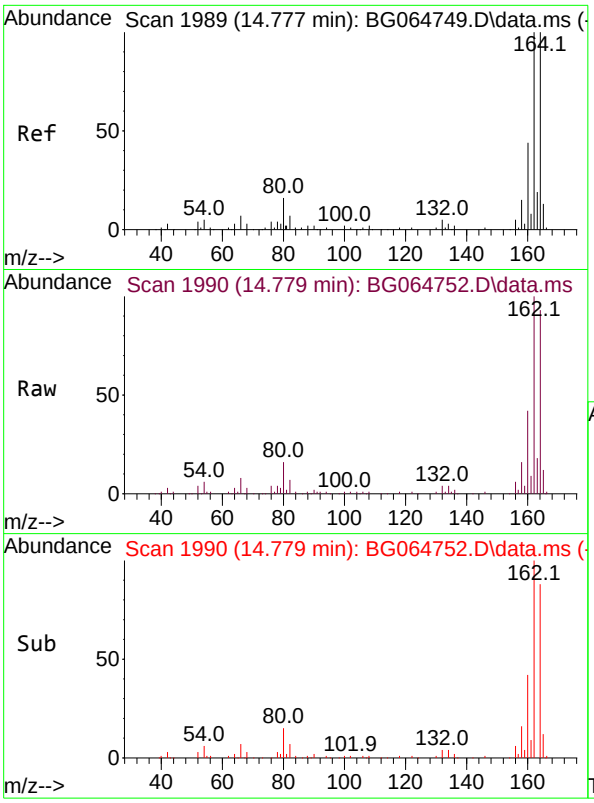


#38
1-Methylnaphthalene
Concen: 80.251 ng
RT: 12.846 min Scan# 1661
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:142 Resp: 410081

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2
116	3.7	3.7	5.5

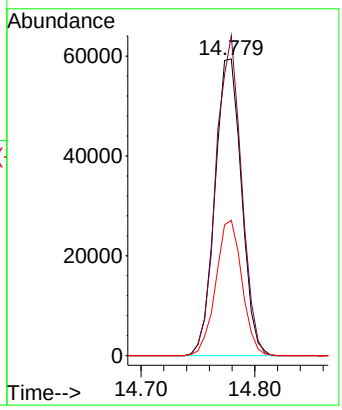




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:164 Resp: 9650

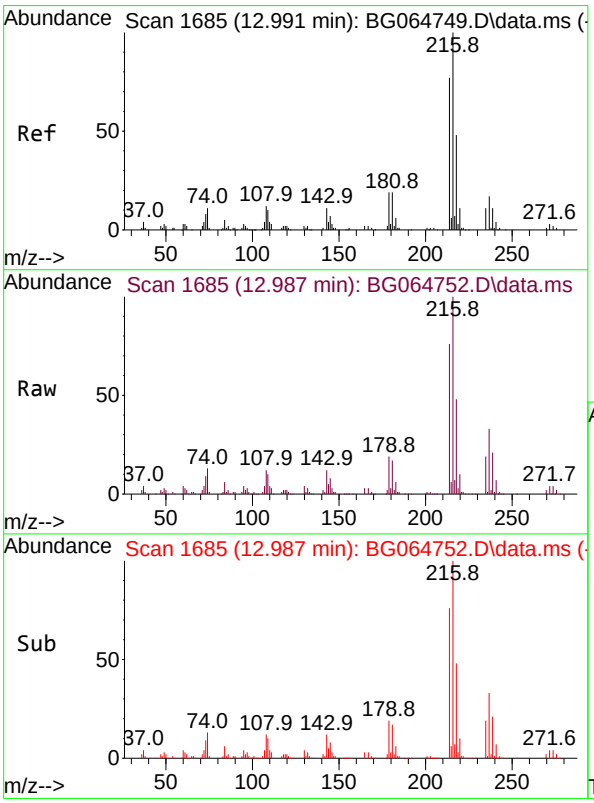
Ion	Ratio	Lower	Upper
164	100		
162	107.8	79.8	119.6
160	45.6	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

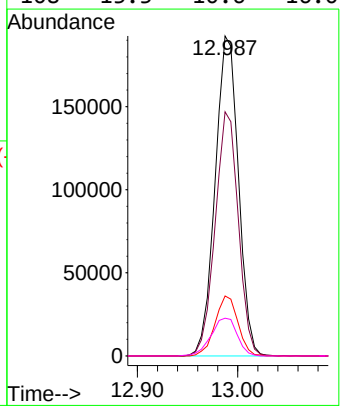
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

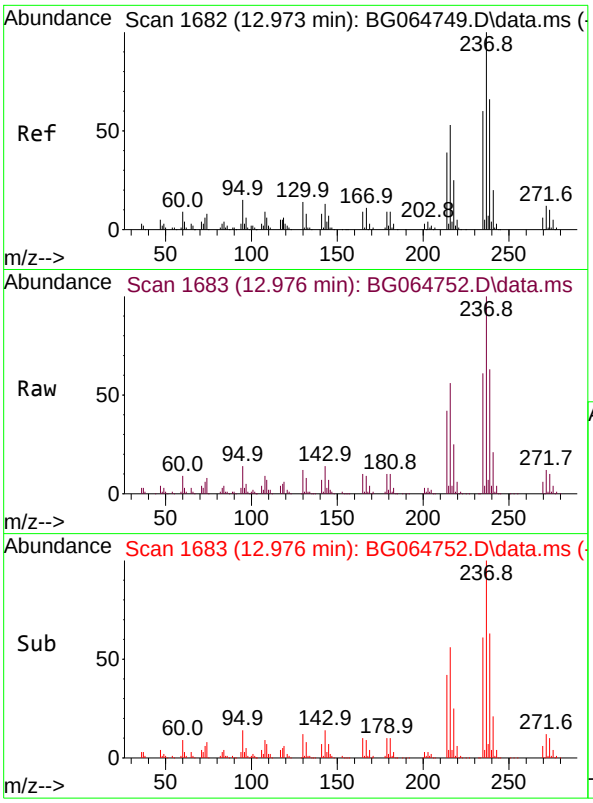


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.792 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:216 Resp: 310941

Ion	Ratio	Lower	Upper
216	100		
214	75.7	60.5	90.7
179	18.4	14.7	22.1
108	13.3	10.6	16.0

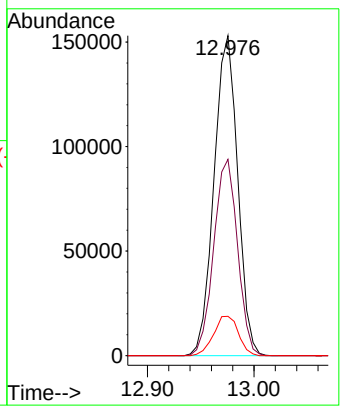




#41
Hexachlorocyclopentadiene
Concen: 87.822 ng
RT: 12.976 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:237 Resp: 23641

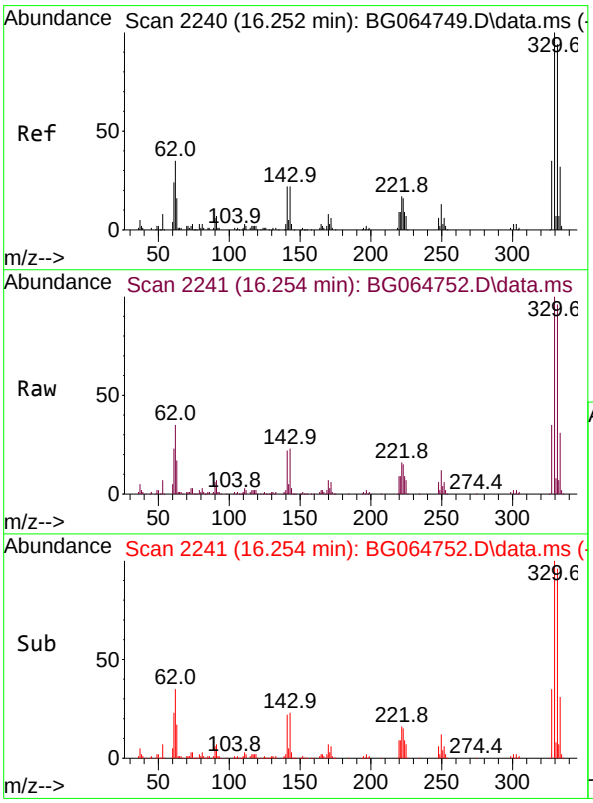
Ion	Ratio	Lower	Upper
237	100		
235	61.3	40.2	80.2
272	12.3	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

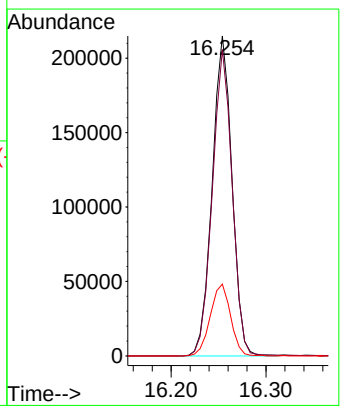
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

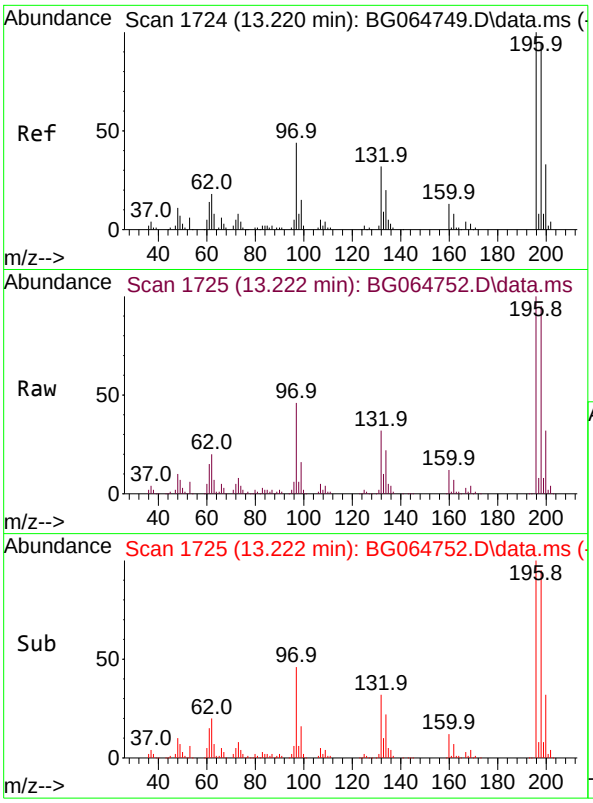


#42
2,4,6-Tribromophenol
Concen: 165.530 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:330 Resp: 311552

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	23.0	18.2	27.2

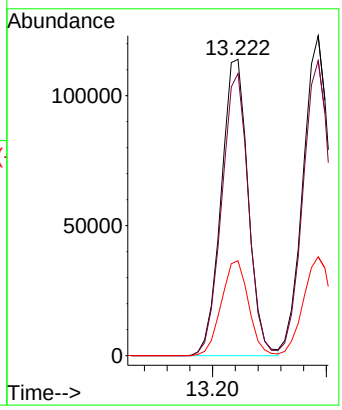




#43
2,4,6-Trichlorophenol
Concen: 85.368 ng
RT: 13.222 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:196 Resp: 18817

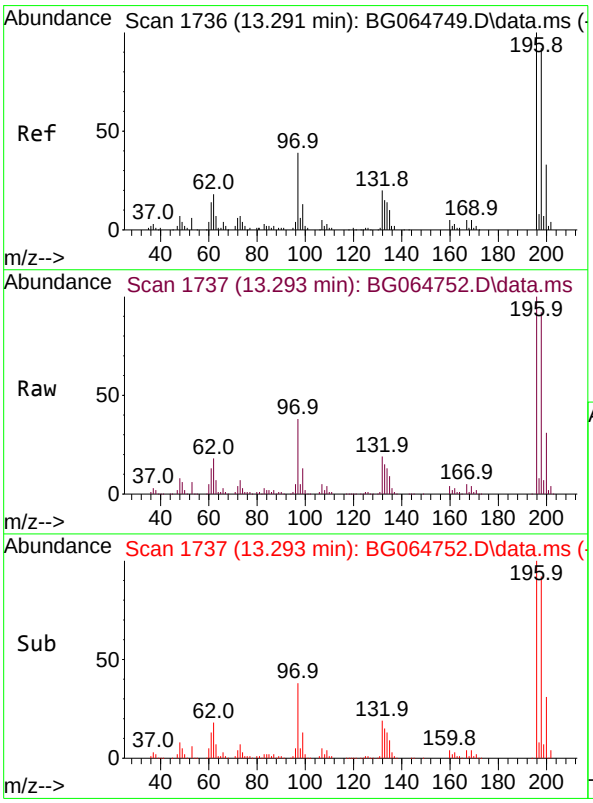
Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.3	112.9
200	32.0	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

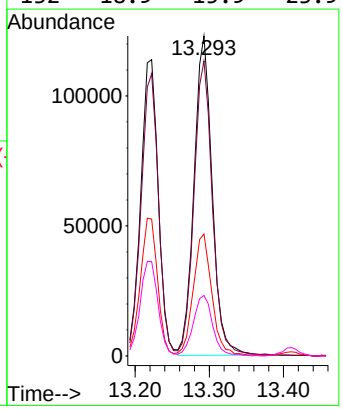
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

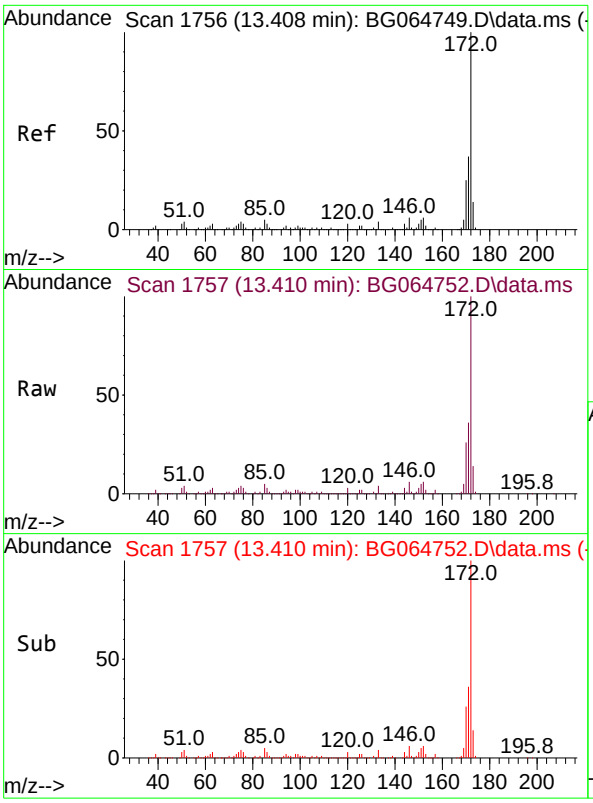


#44
2,4,5-Trichlorophenol
Concen: 84.775 ng
RT: 13.293 min Scan# 1737
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:196 Resp: 209584

Ion	Ratio	Lower	Upper
196	100		
198	92.2	73.2	109.8
97	38.1	31.4	47.0
132	18.9	15.9	23.9

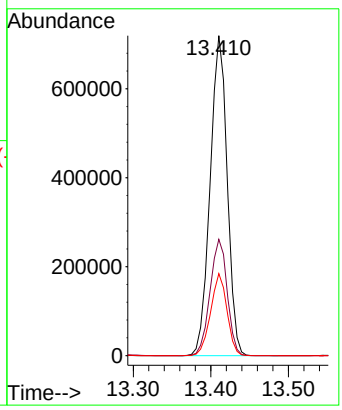




#45
2-Fluorobiphenyl
Concen: 158.776 ng
RT: 13.410 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:172 Resp: 109813

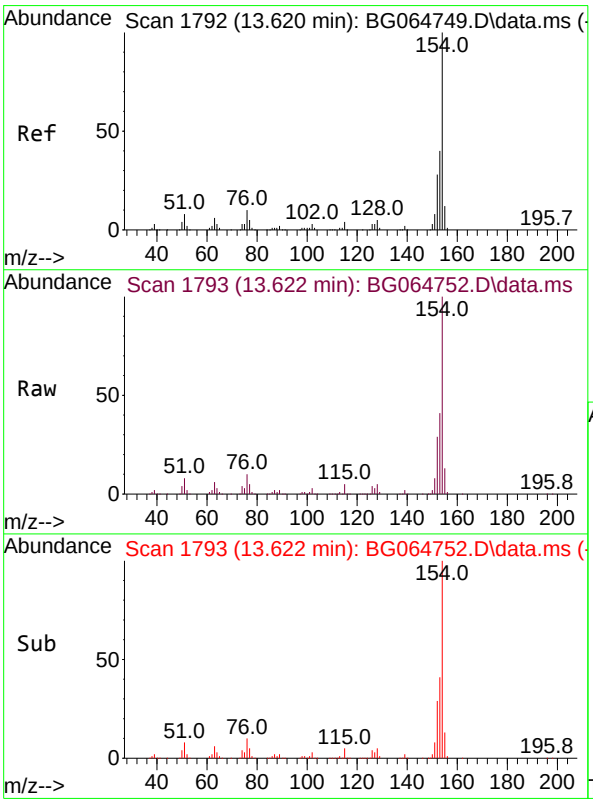
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	25.6	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

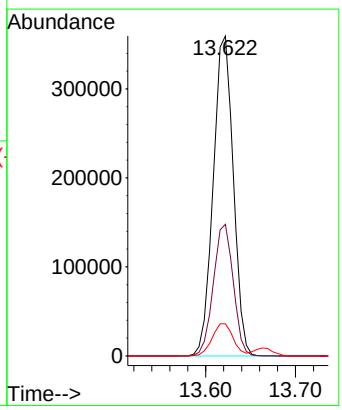
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

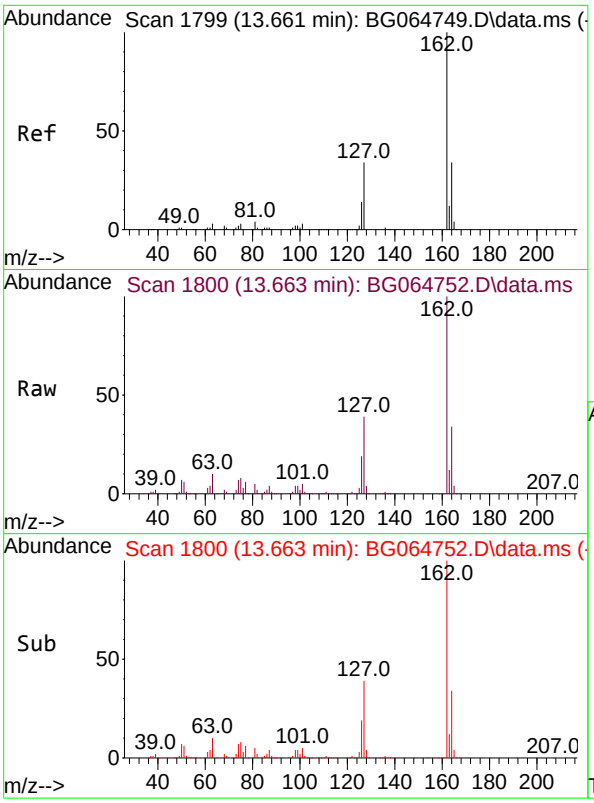


#46
1,1'-Biphenyl
Concen: 80.715 ng
RT: 13.622 min Scan# 1793
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:154 Resp: 559459

Ion	Ratio	Lower	Upper
154	100		
153	41.1	19.8	59.8
76	10.0	0.0	30.0

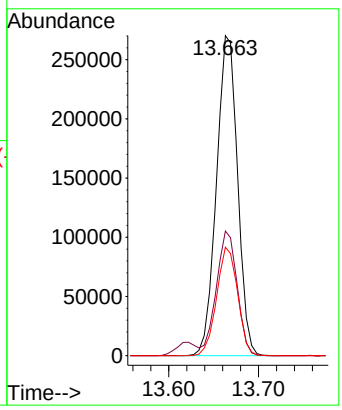




#47
2-Chloronaphthalene
Concen: 81.020 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:162 Resp: 44242

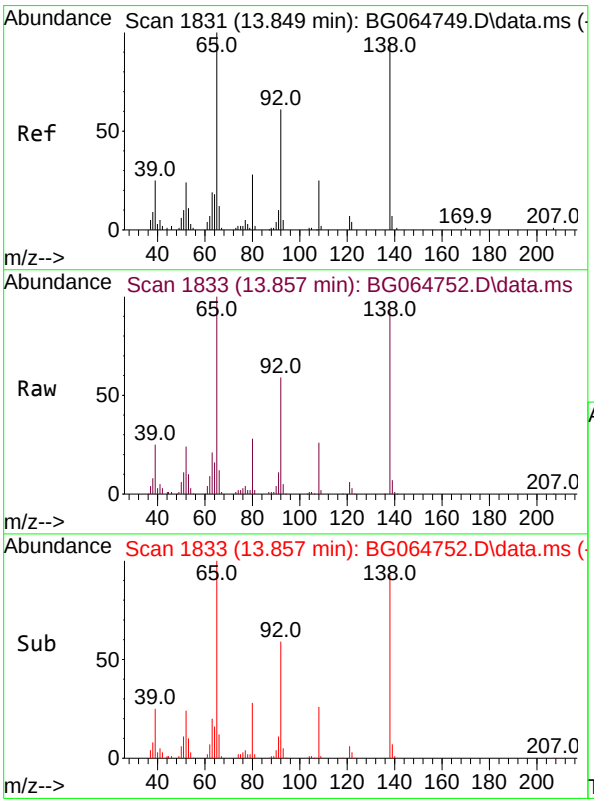
Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.3	45.5
164	33.9	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

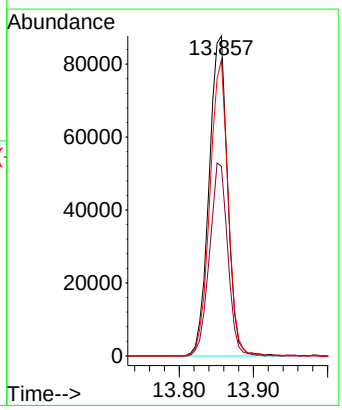
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

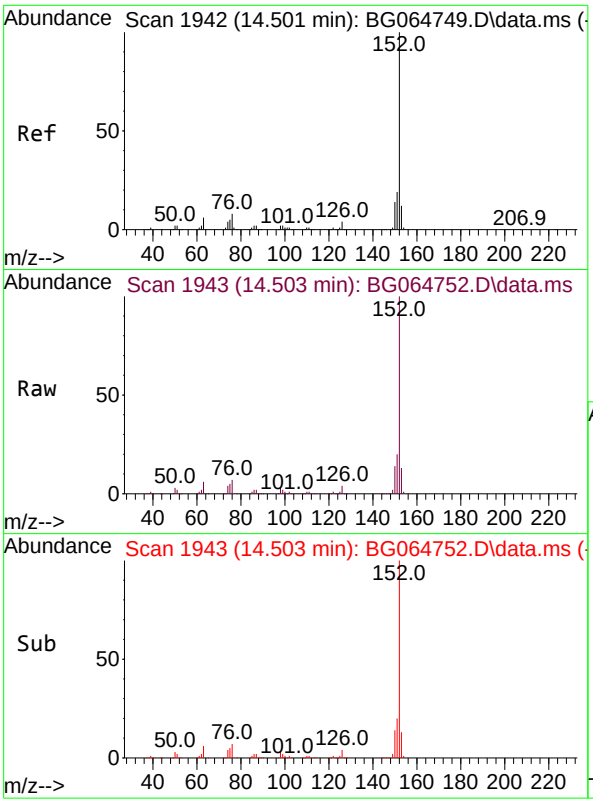


#48
2-Nitroaniline
Concen: 86.588 ng
RT: 13.857 min Scan# 1833
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 65 Resp: 152081

Ion	Ratio	Lower	Upper
65	100		
92	59.2	48.6	73.0
138	92.5	76.4	114.6





#49
Acenaphthylene
Concen: 80.362 ng
RT: 14.503 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

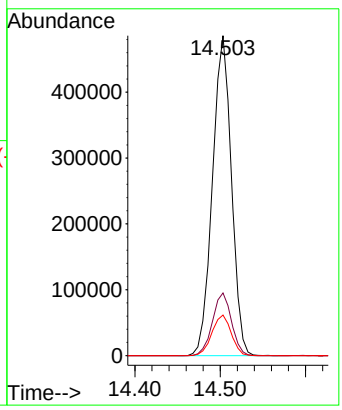
Tgt Ion:152 Resp: 74970

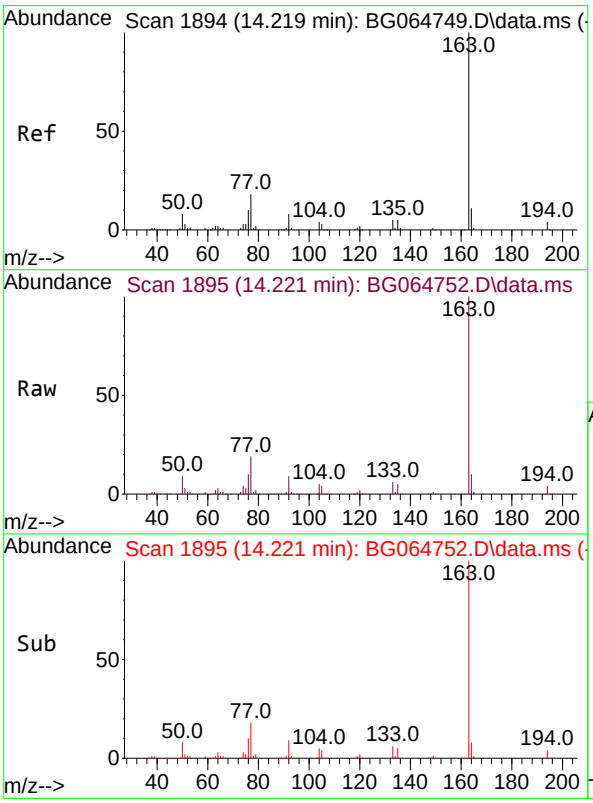
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.0	22.4
153	12.7	9.9	14.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

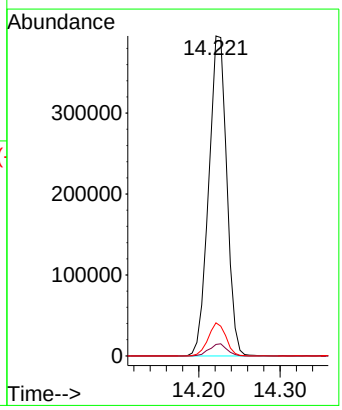


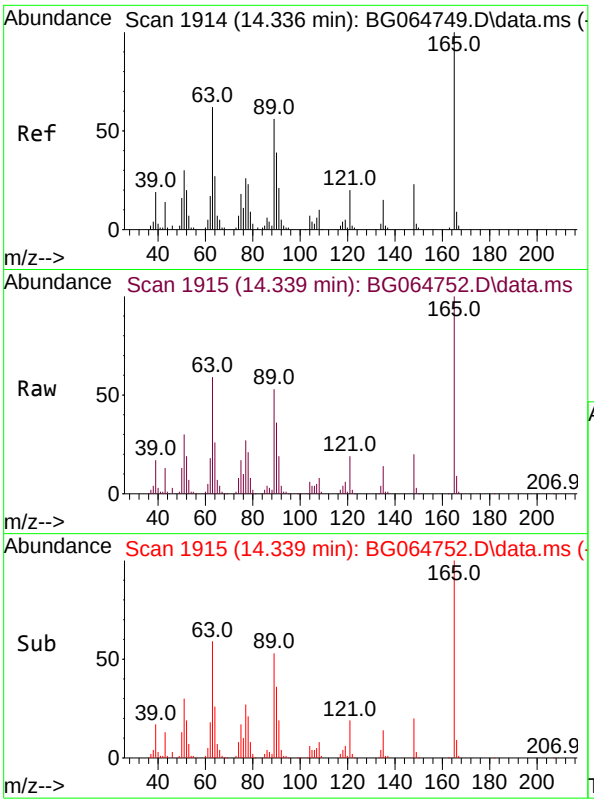


#50
Dimethylphthalate
Concen: 80.043 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:163 Resp: 610187

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.3	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 85.533 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

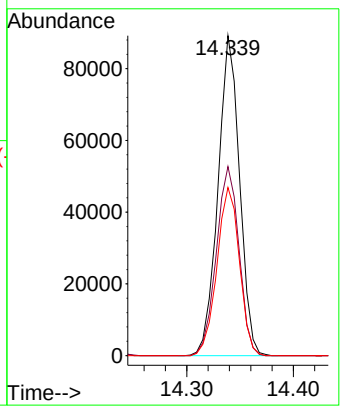
Tgt Ion:165 Resp: 12546

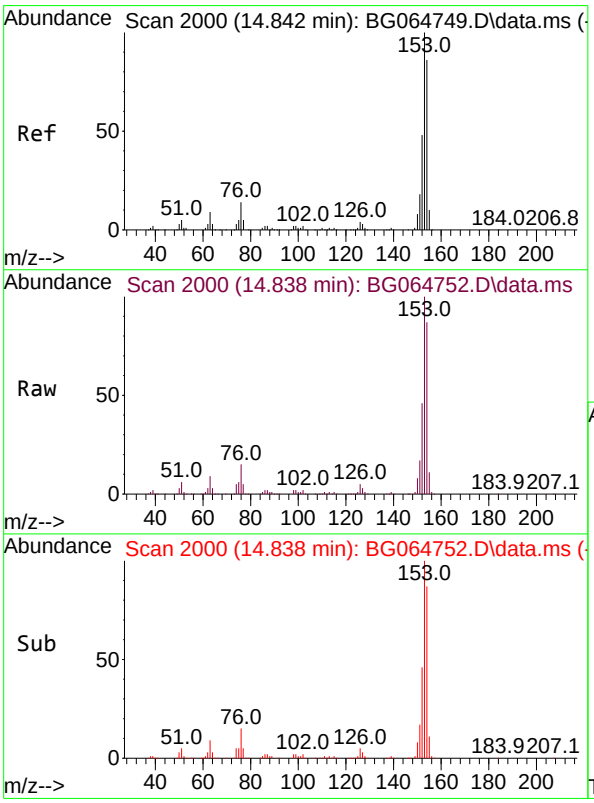
Ion	Ratio	Lower	Upper
165	100		
63	59.1	49.8	74.8
89	52.5	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

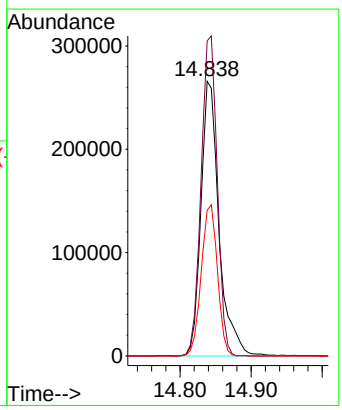


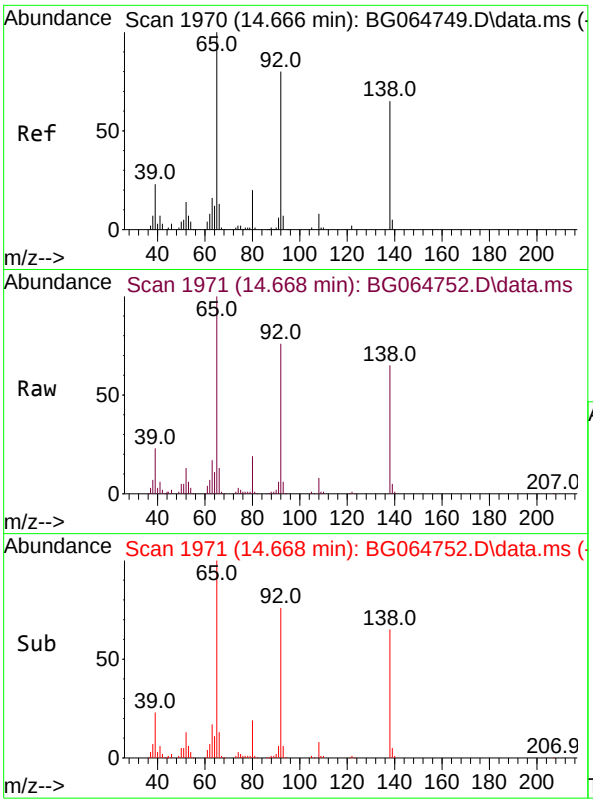


#52
Acenaphthene
Concen: 83.664 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:154 Resp: 467978

Ion	Ratio	Lower	Upper
154	100		
153	114.7	93.0	139.4
152	53.0	44.4	66.6

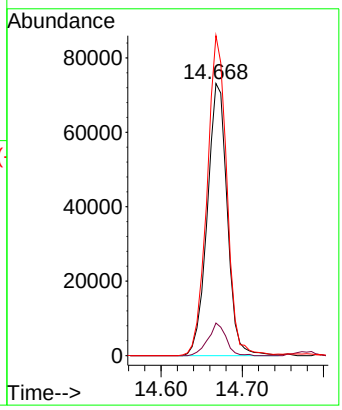




#53
3-Nitroaniline
Concen: 86.095 ng
RT: 14.668 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:138 Resp: 12464

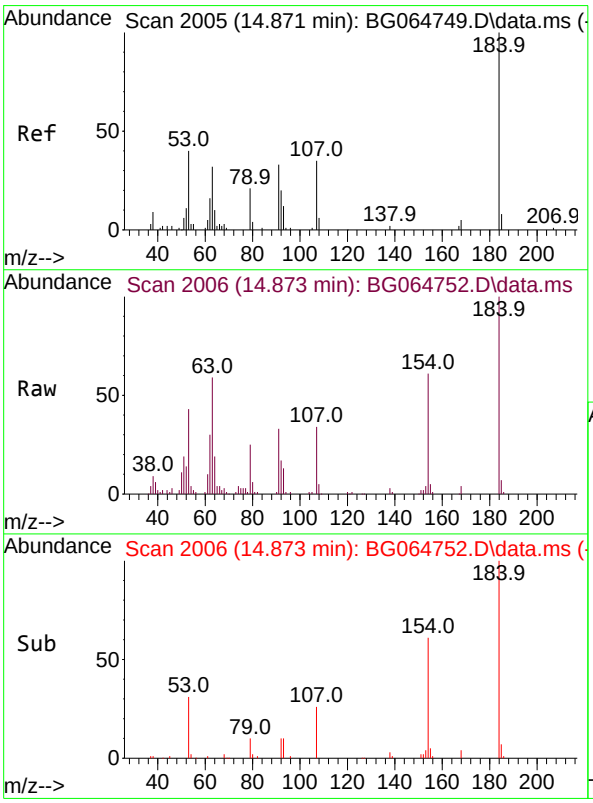
Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.5	14.3
92	117.6	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

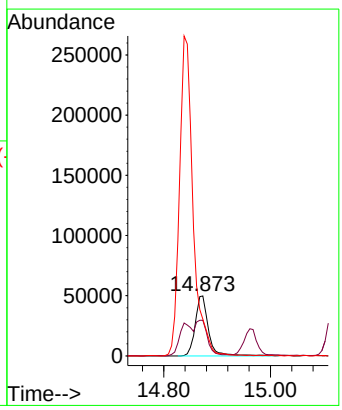
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

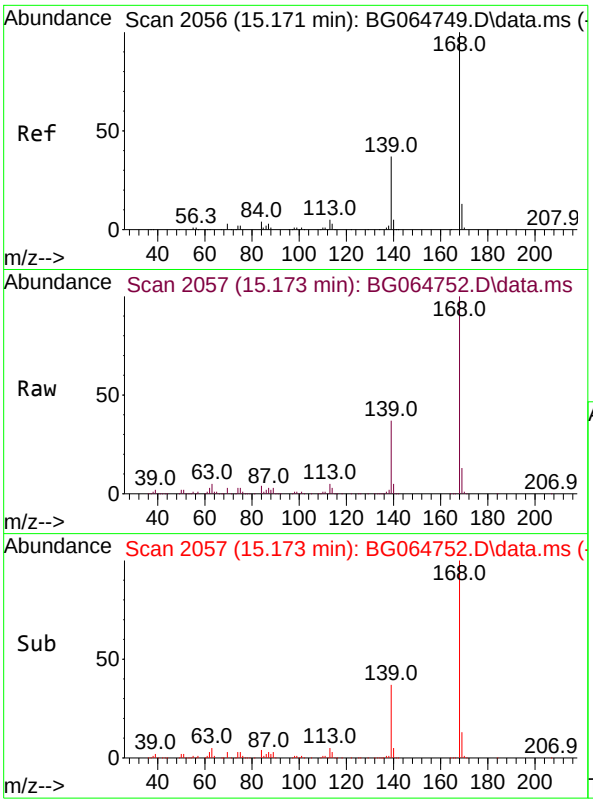


#54
2,4-Dinitrophenol
Concen: 84.450 ng
RT: 14.873 min Scan# 2006
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:184 Resp: 85396

Ion	Ratio	Lower	Upper
184	100		
63	59.4	45.8	68.6
154	61.3	52.6	78.8

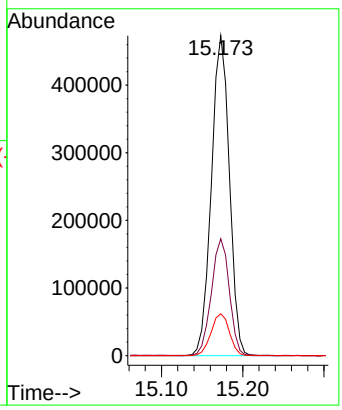




#55
Dibenzofuran
Concen: 78.683 ng
RT: 15.173 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:168 Resp: 72762

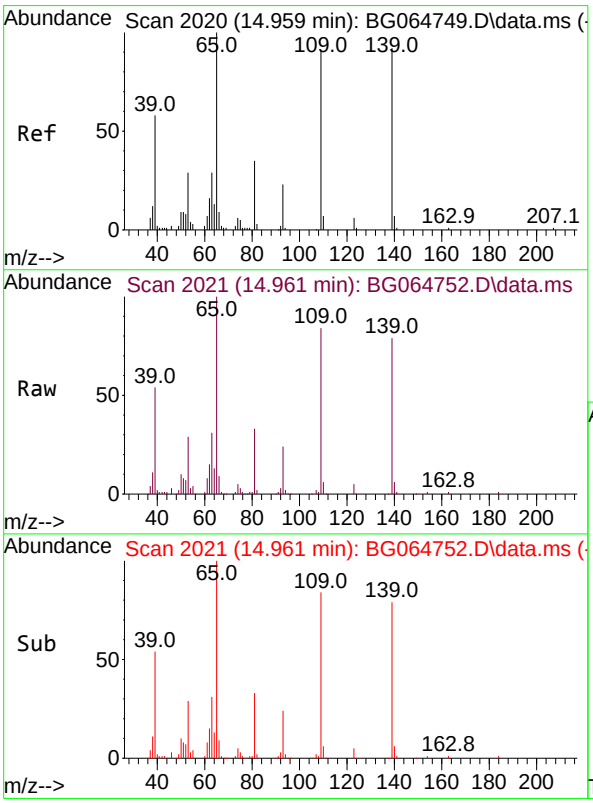
Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.5	44.3
169	13.1	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

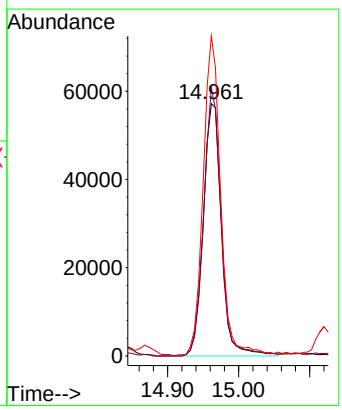
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

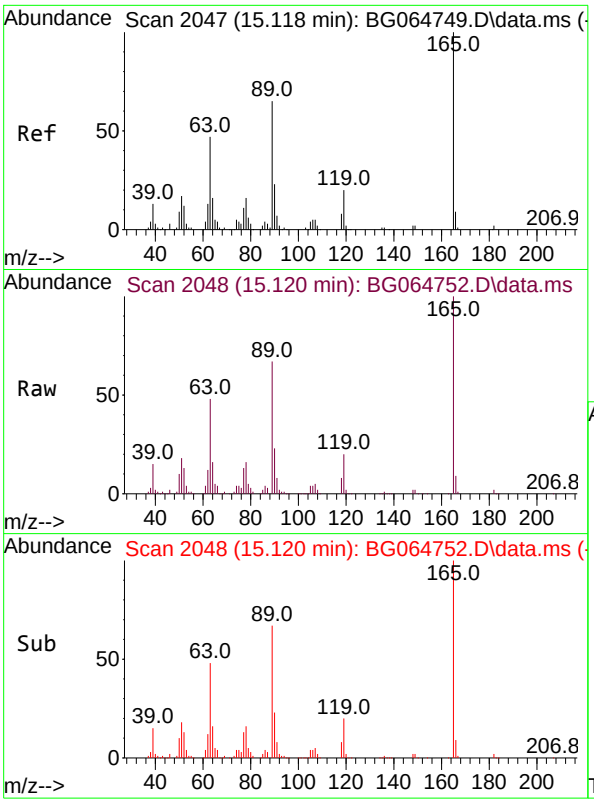


#56
4-Nitrophenol
Concen: 88.727 ng
RT: 14.961 min Scan# 2021
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:139 Resp: 101920

Ion	Ratio	Lower	Upper
139	100		
109	106.3	79.7	119.7
65	126.9	89.9	129.9

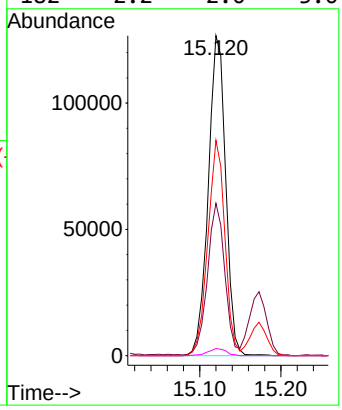




#57
2,4-Dinitrotoluene
Concen: 85.865 ng
RT: 15.120 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:165 Resp: 18883

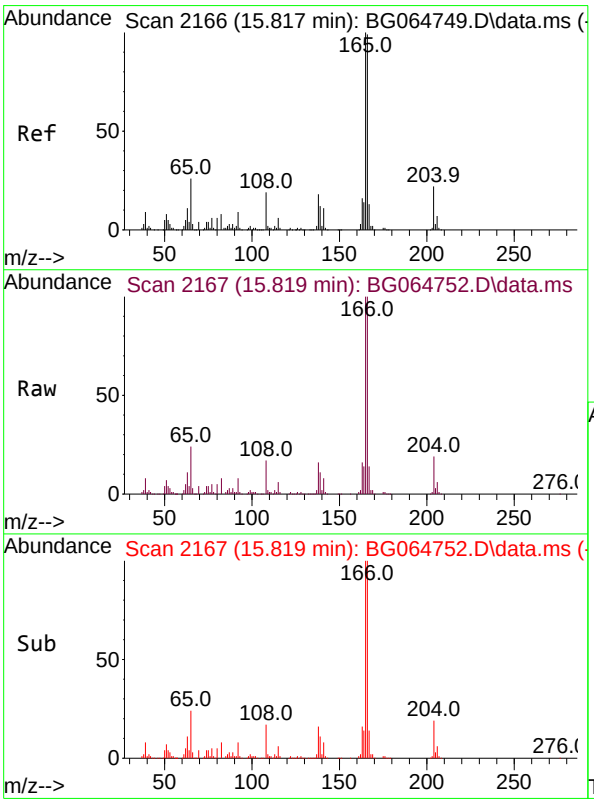
Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.8	56.6
89	67.3	51.6	77.4
182	2.2	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

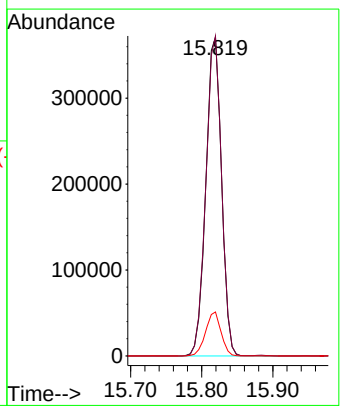
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

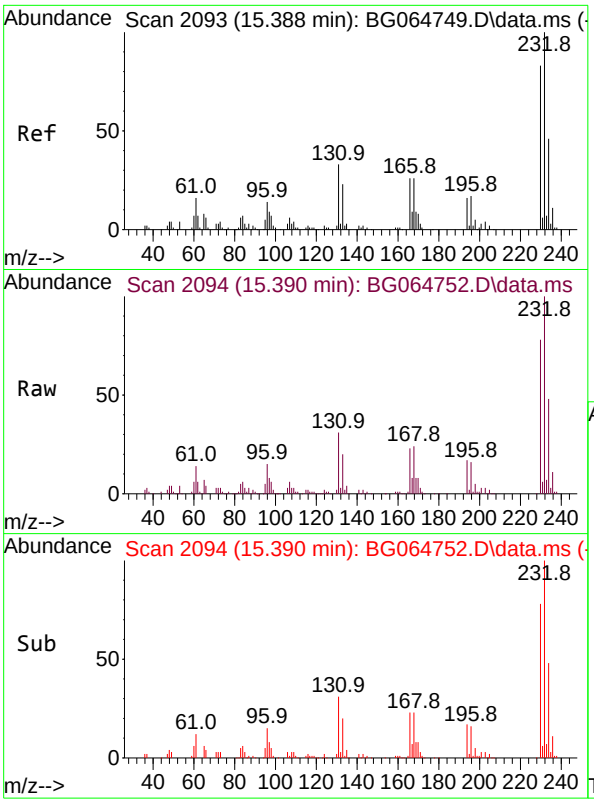


#58
Fluorene
Concen: 78.187 ng
RT: 15.819 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:166 Resp: 567083

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.5	120.7
167	13.8	10.3	15.5

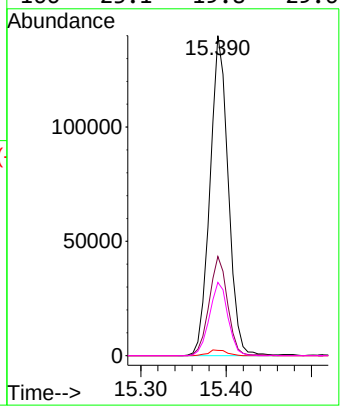




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.265 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:232 Resp: 20798

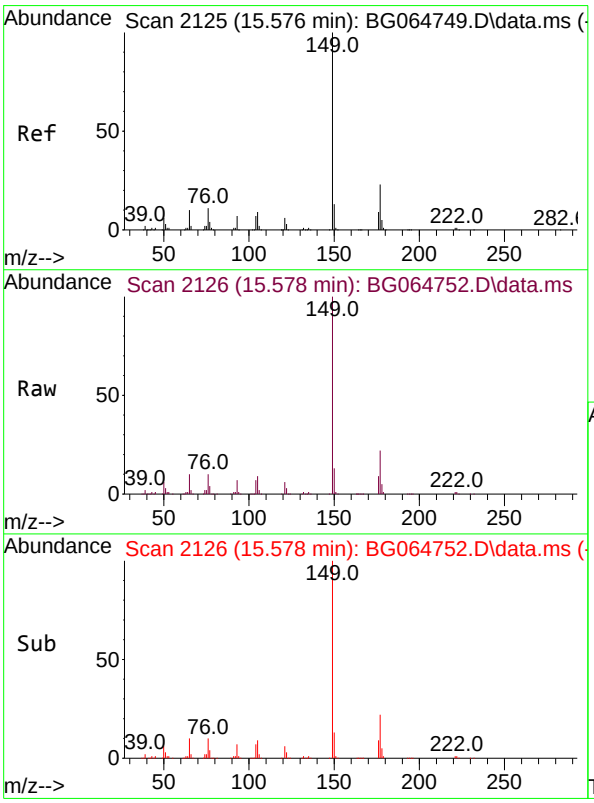
Ion	Ratio	Lower	Upper
232	100		
131	31.1	26.0	39.0
130	1.8	1.6	2.4
166	23.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

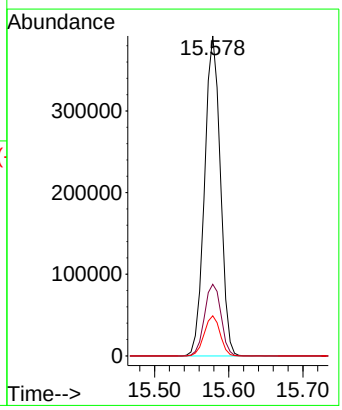
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

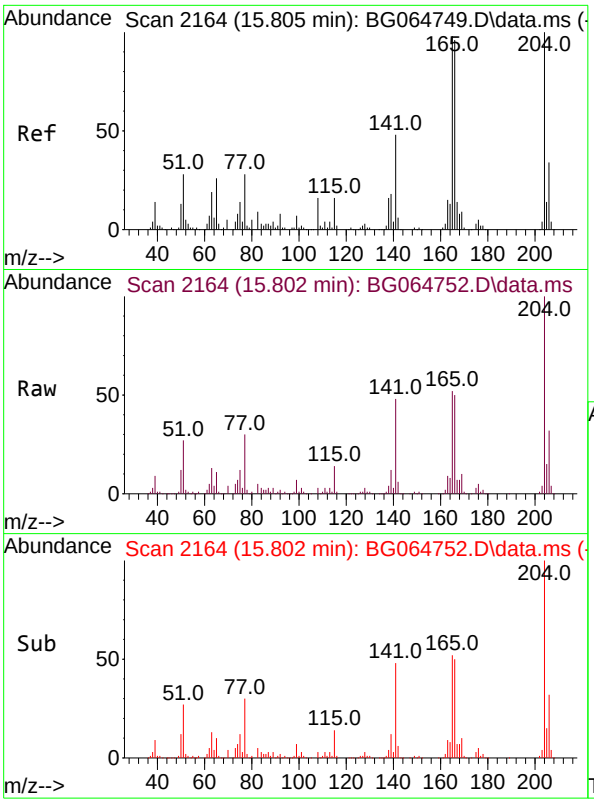


#60
Diethylphthalate
Concen: 79.342 ng
RT: 15.578 min Scan# 2126
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 579413

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.5	10.1	15.1

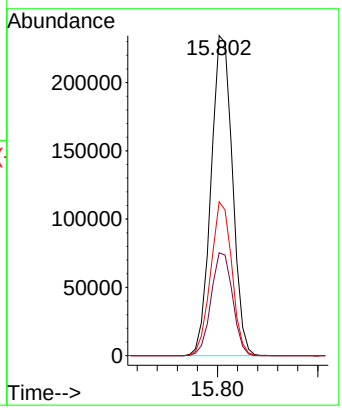




#61
4-Chlorophenyl-phenylether
Concen: 79.684 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:204 Resp: 346839

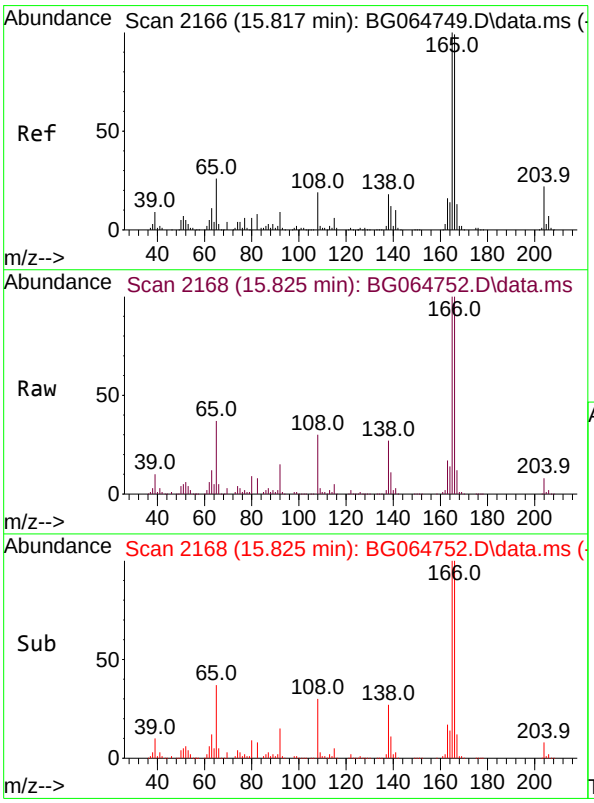
Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.9	40.3
141	48.1	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

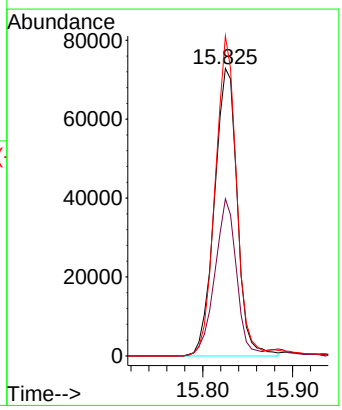
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

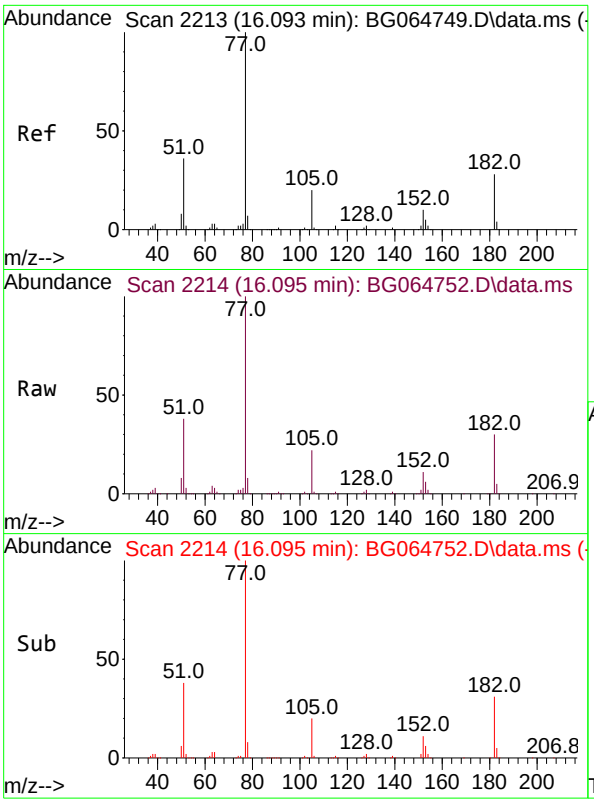


#62
4-Nitroaniline
Concen: 86.012 ng
RT: 15.825 min Scan# 2168
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:138 Resp: 129007

Ion	Ratio	Lower	Upper
138	100		
92	54.6	30.7	70.7
108	111.3	85.7	125.7

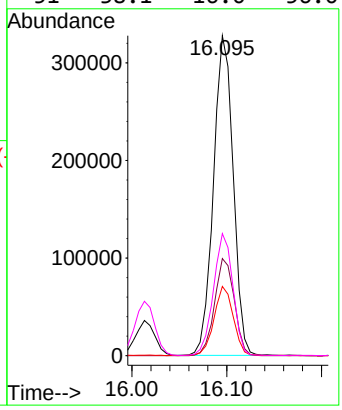




#63
Azobenzene
Concen: 77.985 ng
RT: 16.095 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 47369

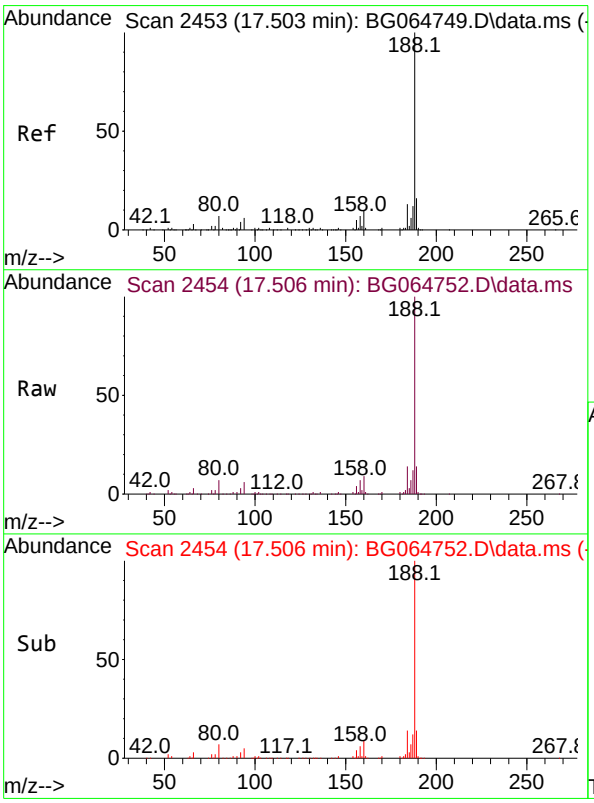
Ion	Ratio	Lower	Upper
77	100		
182	30.3	8.1	48.1
105	21.6	0.1	40.1
51	38.1	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

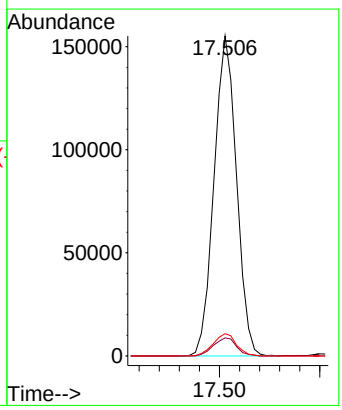
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

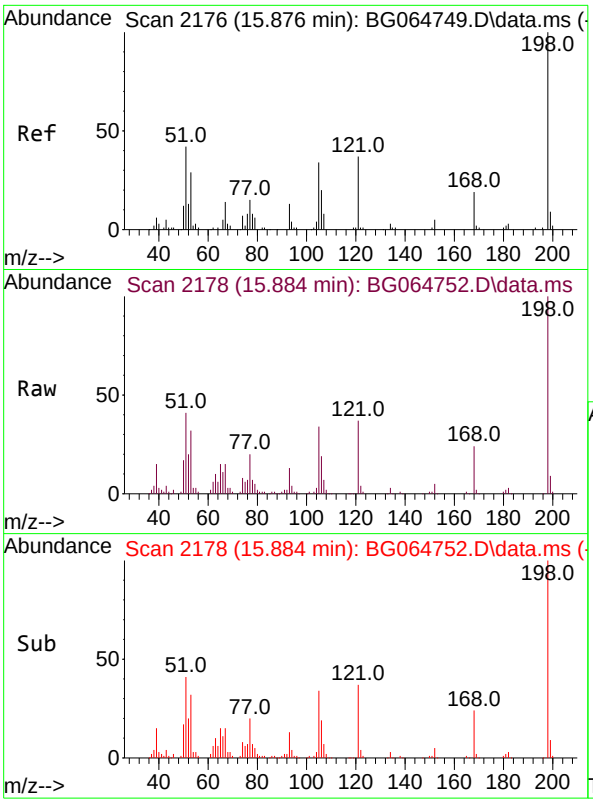


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:188 Resp: 241350

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.9	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 94.071 ng
RT: 15.884 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

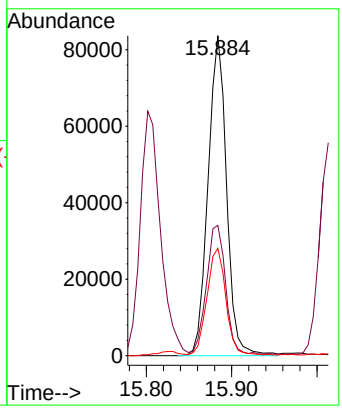
Tgt Ion:198 Resp: 12605

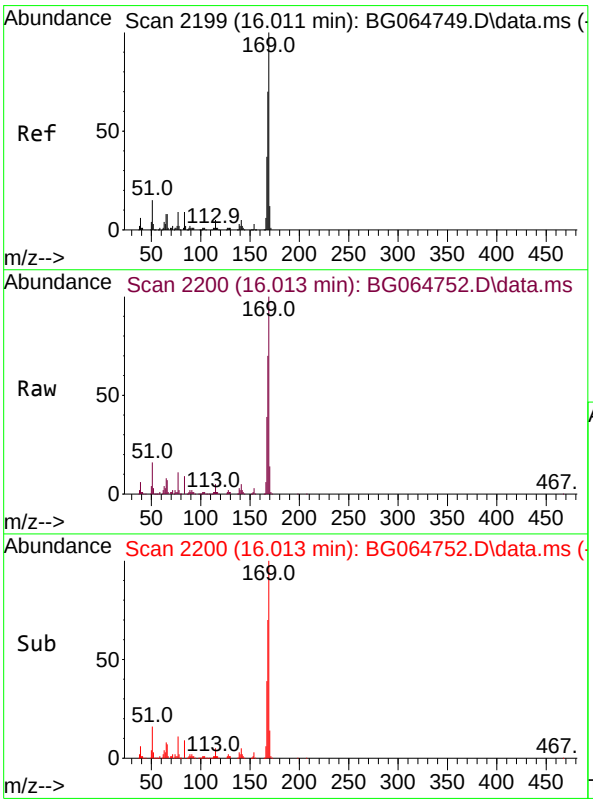
Ion	Ratio	Lower	Upper
198	100		
51	40.7	25.2	65.2
105	33.5	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

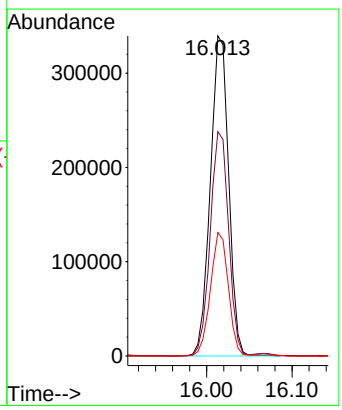


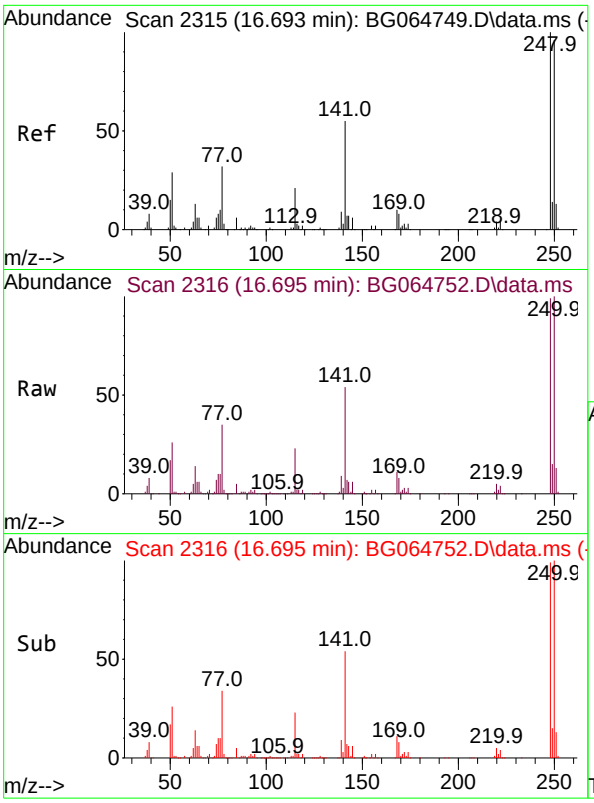


#66
n-Nitrosodiphenylamine
Concen: 80.031 ng
RT: 16.013 min Scan# 2200
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:169 Resp: 505935

Ion	Ratio	Lower	Upper
169	100		
168	70.1	55.9	83.9
167	38.6	29.8	44.6

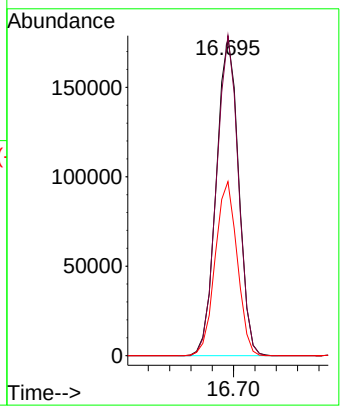




#67
4-Bromophenyl-phenylether
Concen: 81.469 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:248 Resp: 25821

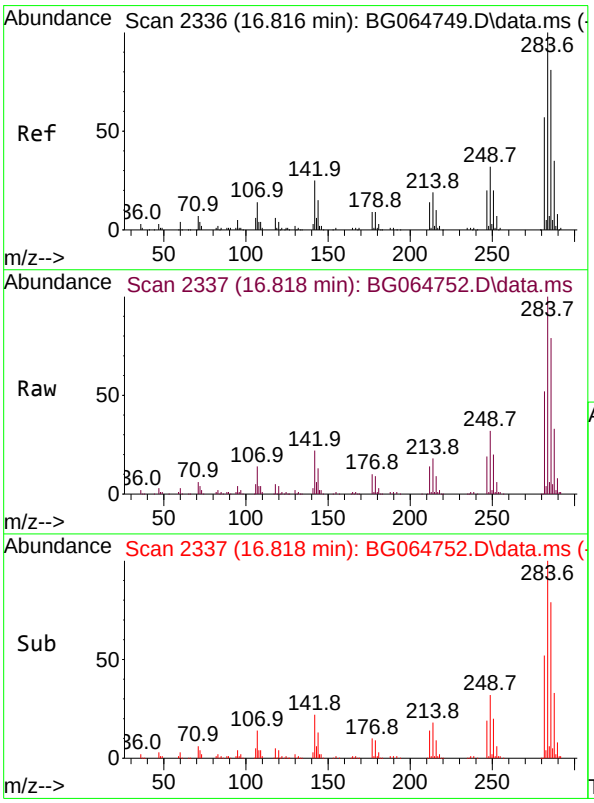
Ion	Ratio	Lower	Upper
248	100		
250	100.5	77.0	115.6
141	54.6	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

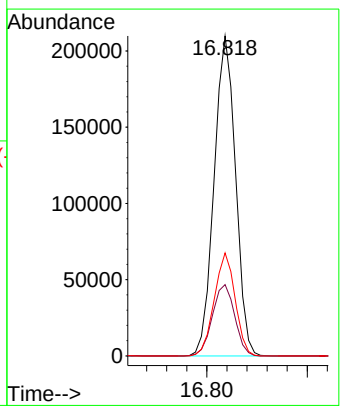
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

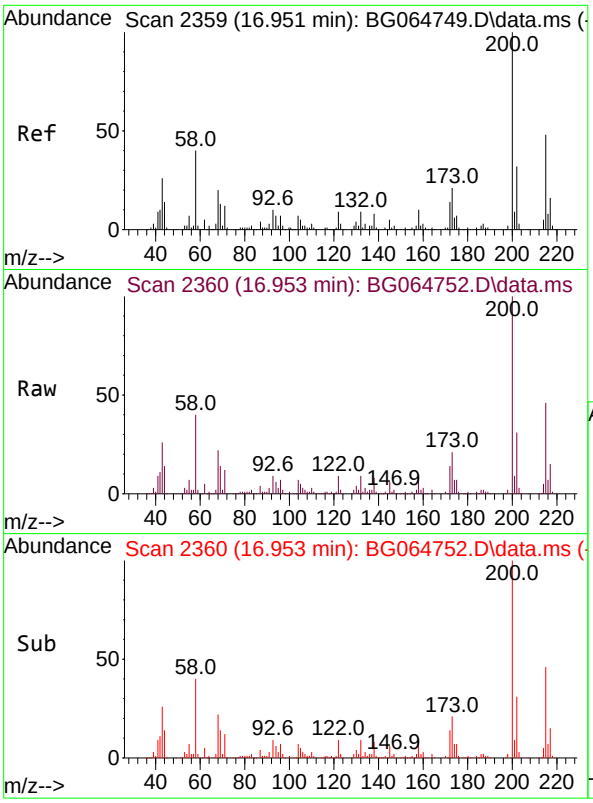


#68
Hexachlorobenzene
Concen: 81.224 ng
RT: 16.818 min Scan# 2337
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:284 Resp: 311899

Ion	Ratio	Lower	Upper
284	100		
142	22.3	19.7	29.5
249	32.2	28.1	42.1





#69
Atrazine
Concen: 80.938 ng
RT: 16.953 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

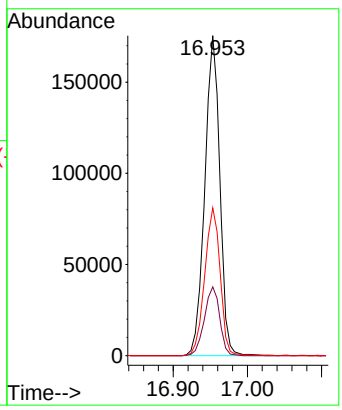
Instrument :
BNA_G
ClientSampleId :
SSTDICC080

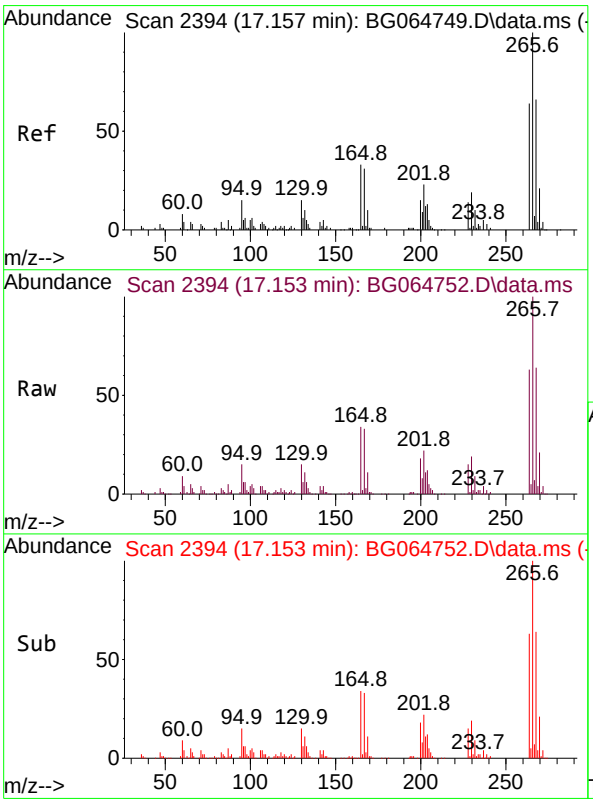
Tgt Ion:200 Resp: 24669

Ion	Ratio	Lower	Upper
200	100		
173	21.5	0.9	40.9
215	46.2	27.5	67.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

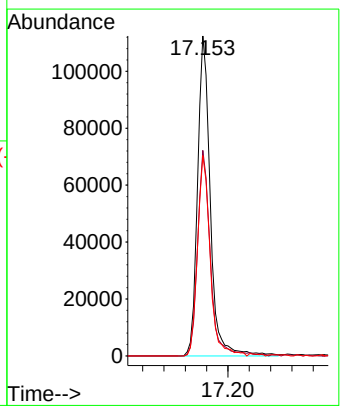


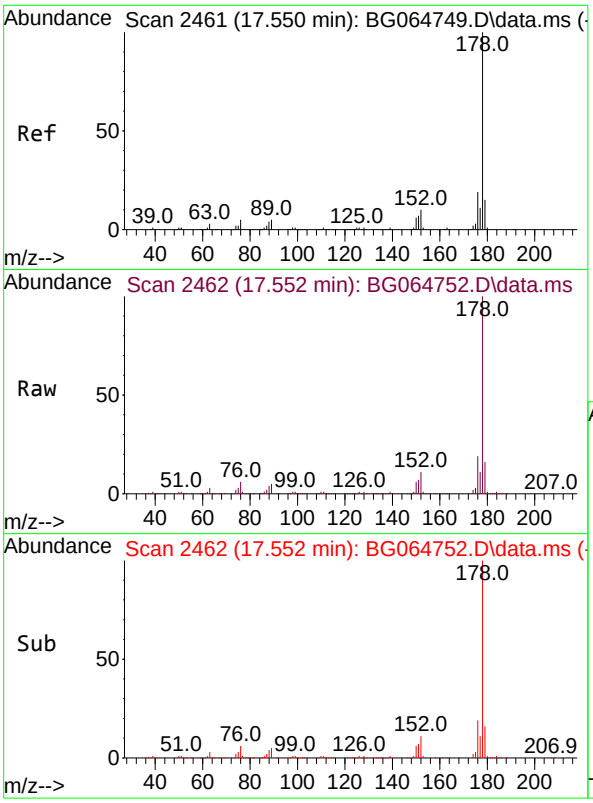


#70
Pentachlorophenol
Concen: 81.697 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:266 Resp: 185967

Ion	Ratio	Lower	Upper
266	100		
268	68.5	56.1	84.1
264	67.2	51.2	76.8

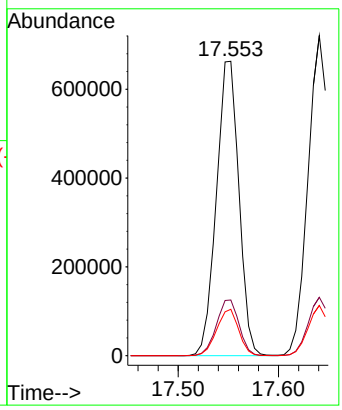




#71
Phenanthrene
Concen: 78.503 ng
RT: 17.552 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:178 Resp: 103663

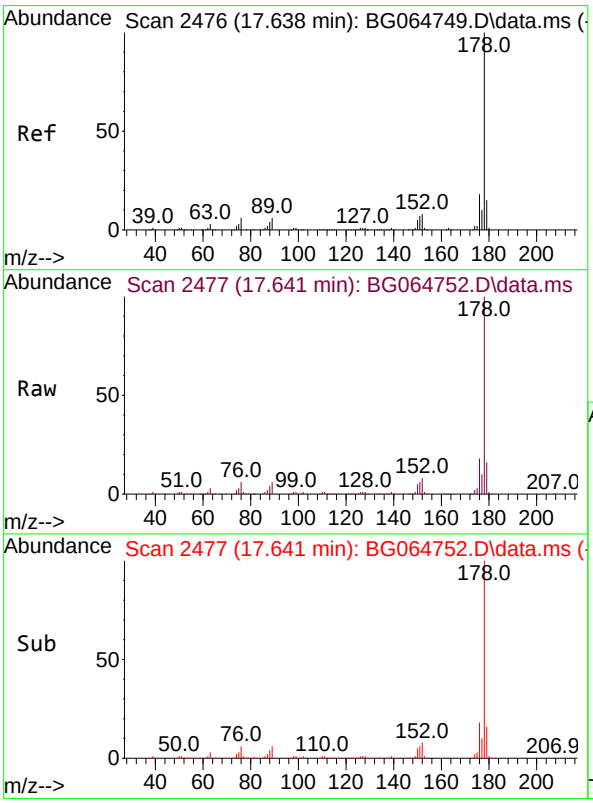
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.7	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

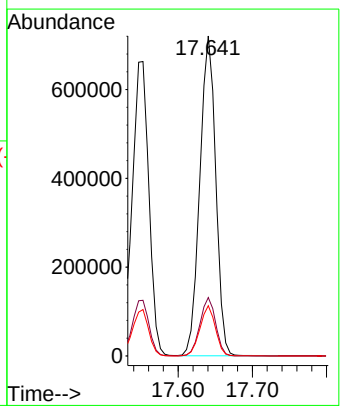
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

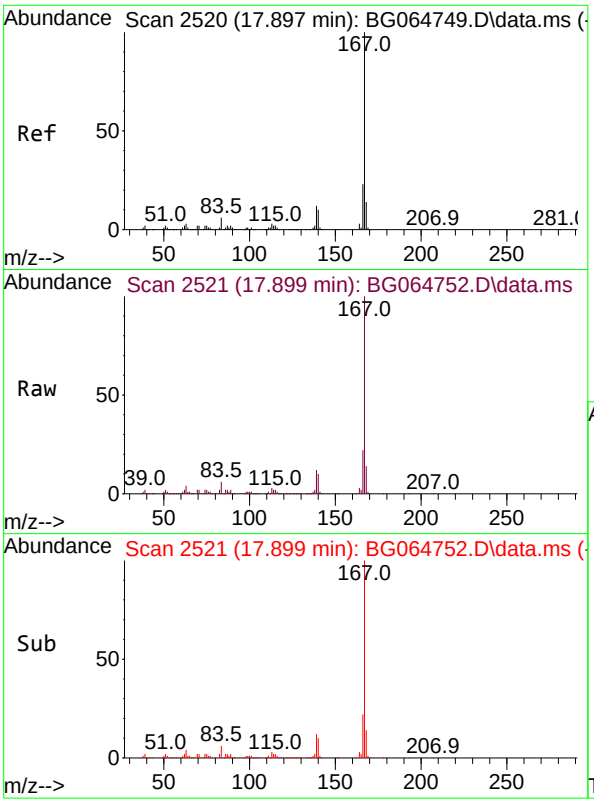


#72
Anthracene
Concen: 79.854 ng
RT: 17.641 min Scan# 2477
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:178 Resp: 1075224

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.7	12.2	18.4

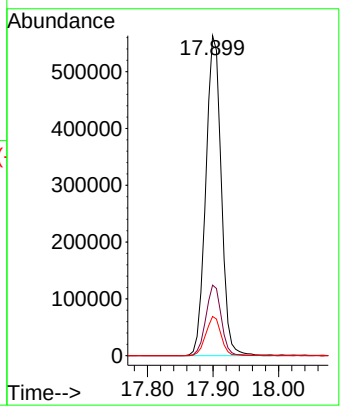




#73
Carbazole
Concen: 79.248 ng
RT: 17.899 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:167 Resp: 91732

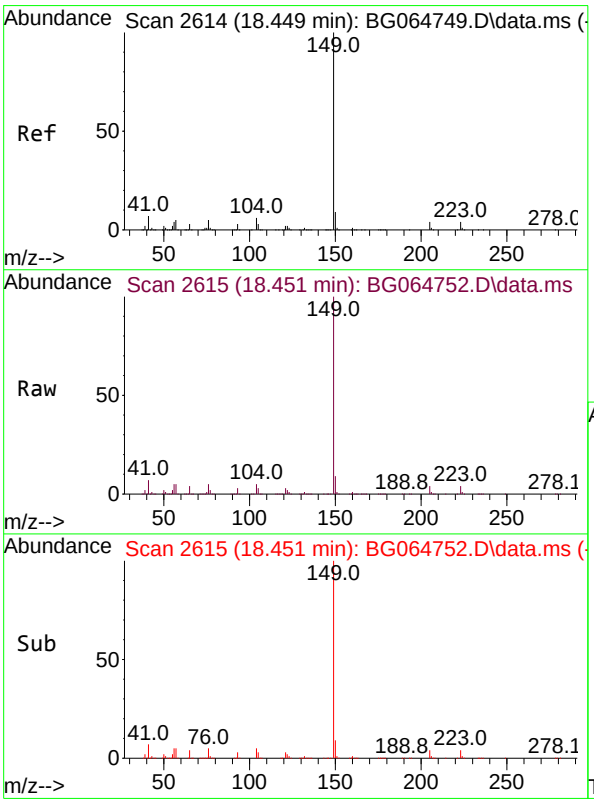
Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

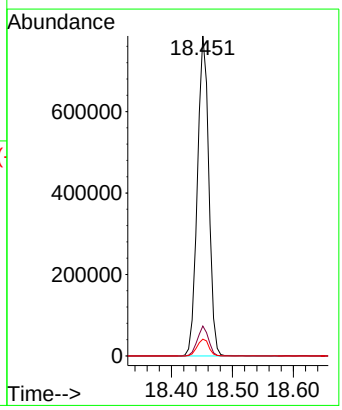
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

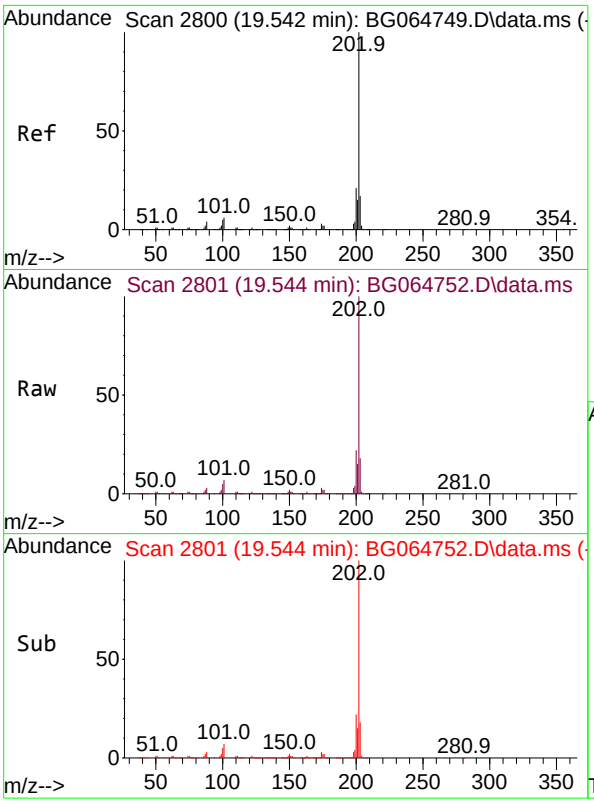


#74
Di-n-butylphthalate
Concen: 79.189 ng
RT: 18.451 min Scan# 2615
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 1022641

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.2	4.4	6.6





#75
Fluoranthene
Concen: 77.406 ng
RT: 19.544 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

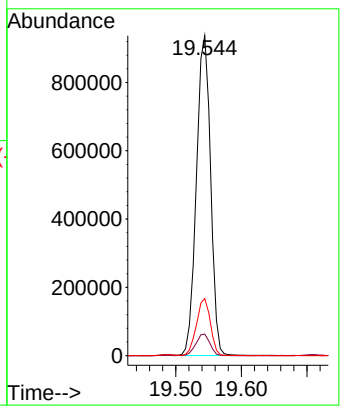
Tgt Ion:202 Resp: 139773

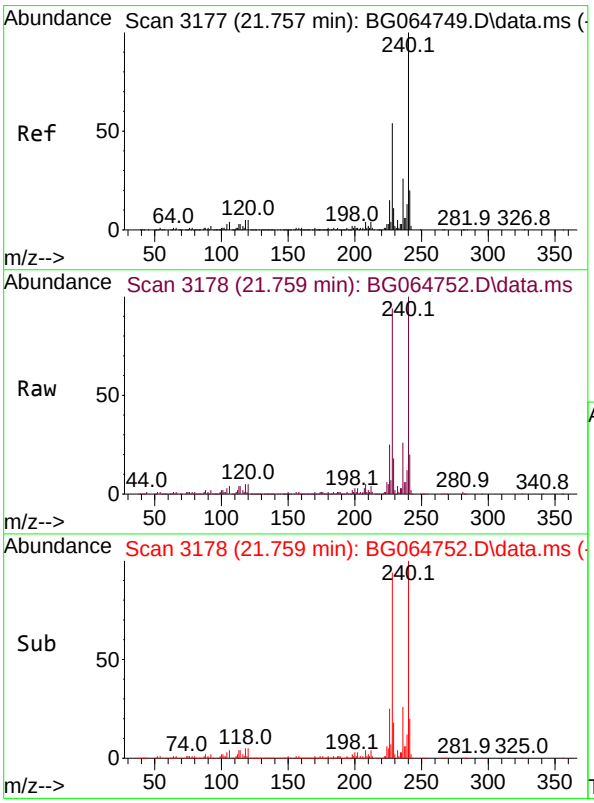
Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	26.4
203	17.8	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

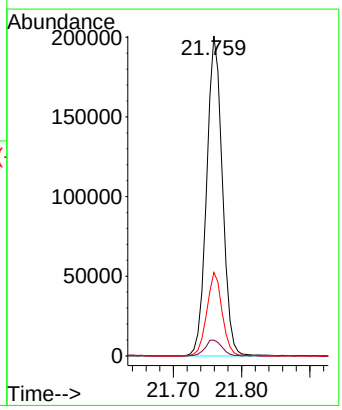


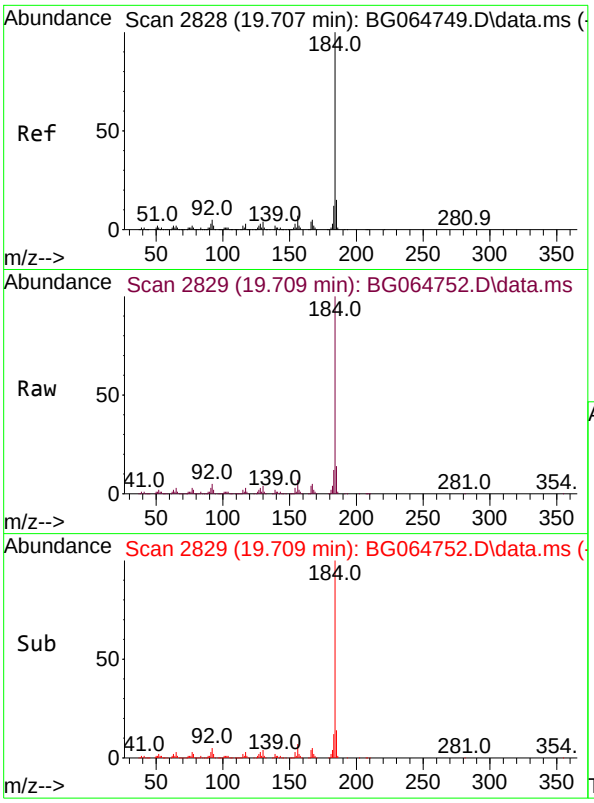


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.759 min Scan# 3178
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:240 Resp: 320922

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.2	6.4
236	26.1	20.8	31.2

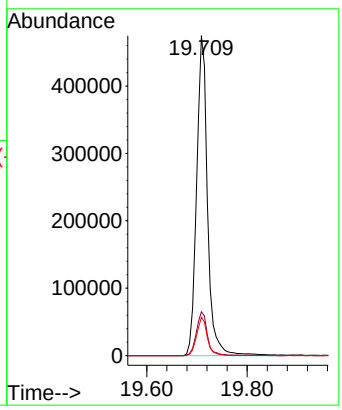




#77
Benzidine
Concen: 74.419 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:184 Resp: 715252

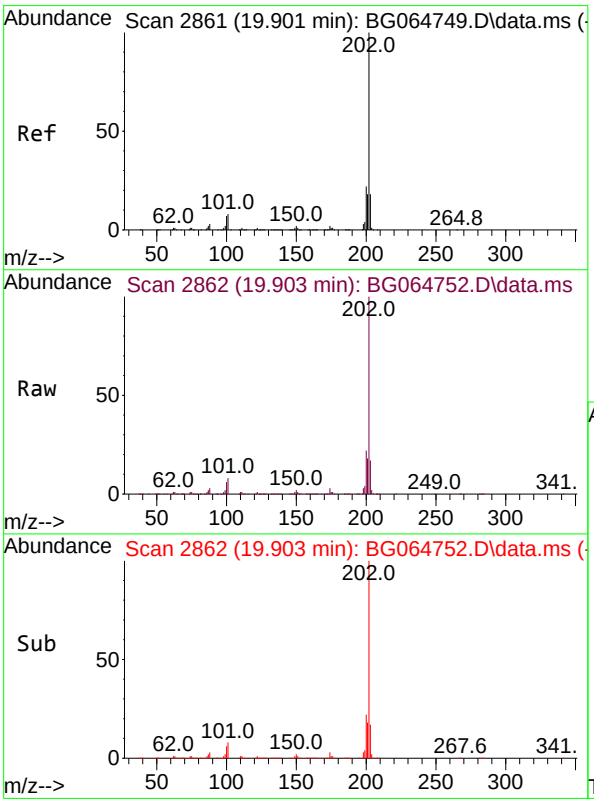
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	12.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

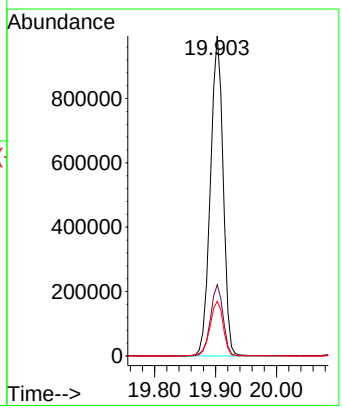
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

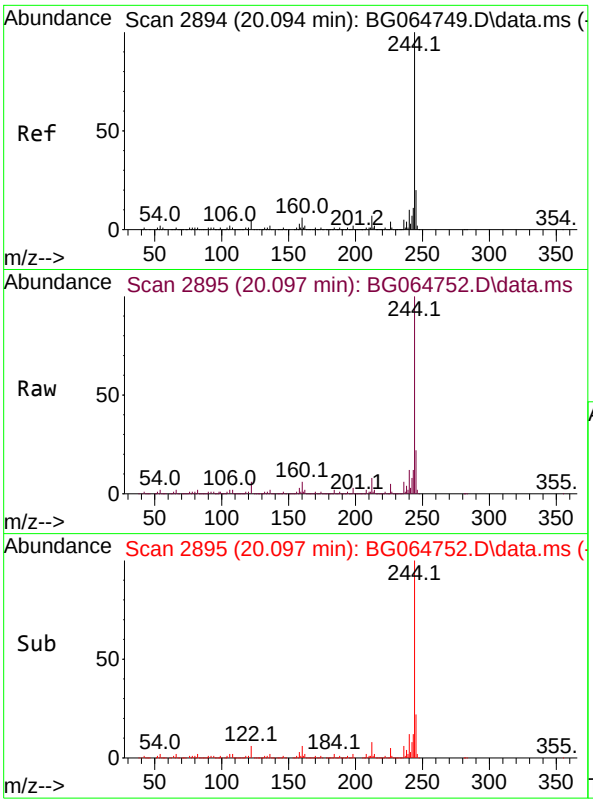


#78
Pyrene
Concen: 80.273 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:202 Resp: 1443820

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.9	26.9
203	17.0	14.0	21.0

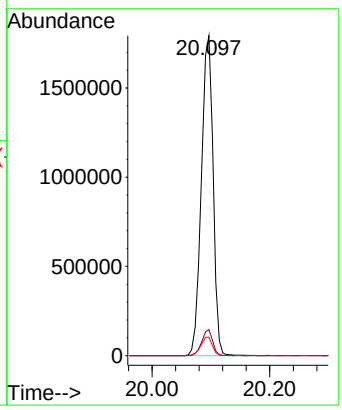




#79
Terphenyl-d14
Concen: 152.157 ng
RT: 20.097 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:244 Resp: 248237

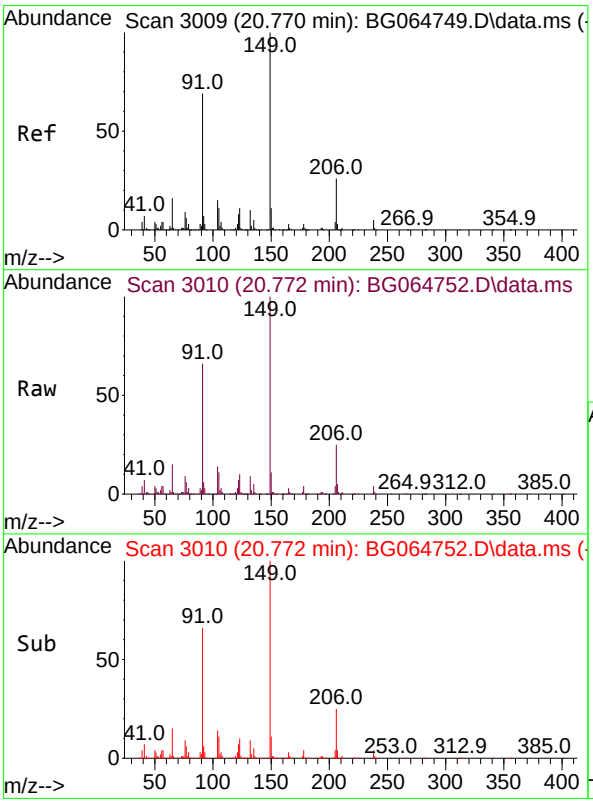
Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	5.7	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

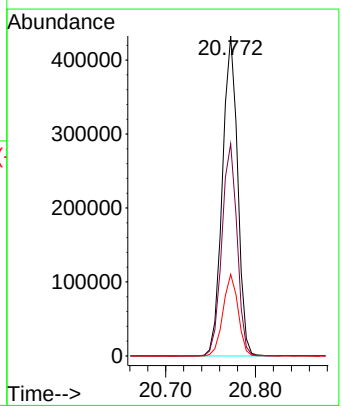
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

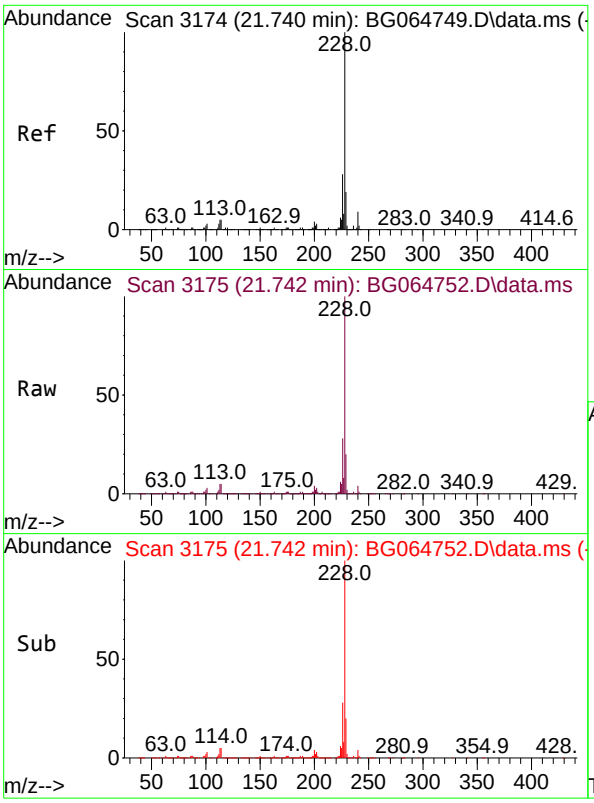


#80
Butylbenzylphthalate
Concen: 80.795 ng
RT: 20.772 min Scan# 3010
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 511144

Ion	Ratio	Lower	Upper
149	100		
91	66.3	54.9	82.3
206	25.5	21.2	31.8

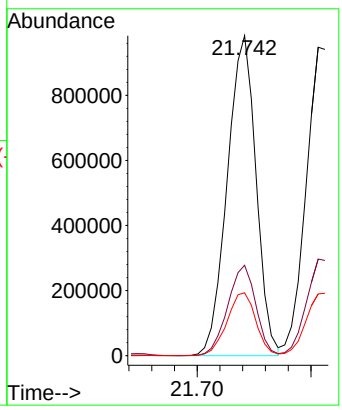




#81
Benzo(a)anthracene
Concen: 79.153 ng
RT: 21.742 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:228 Resp: 172723

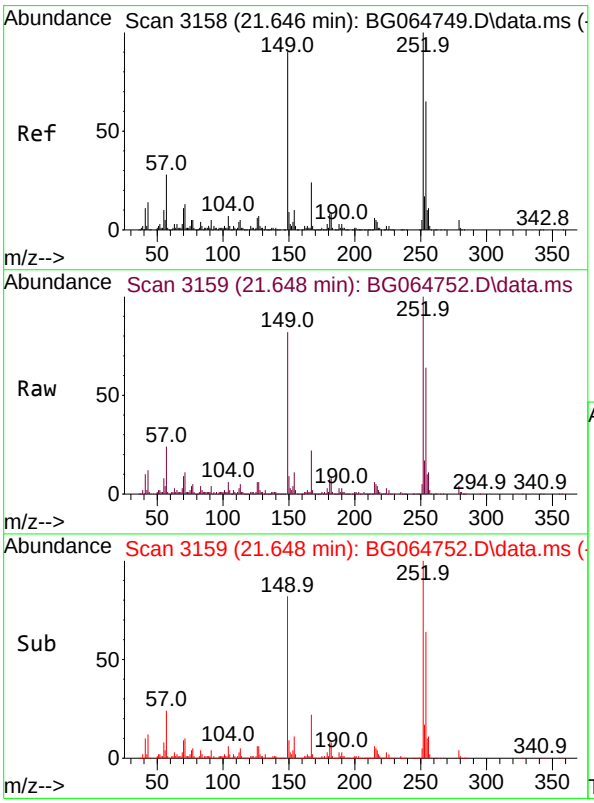
Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	19.6	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

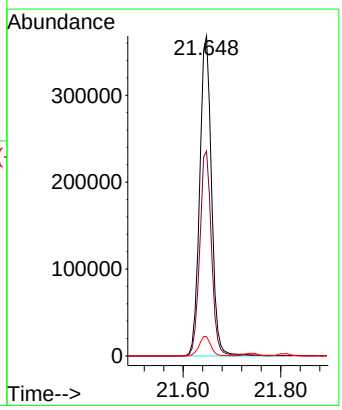
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

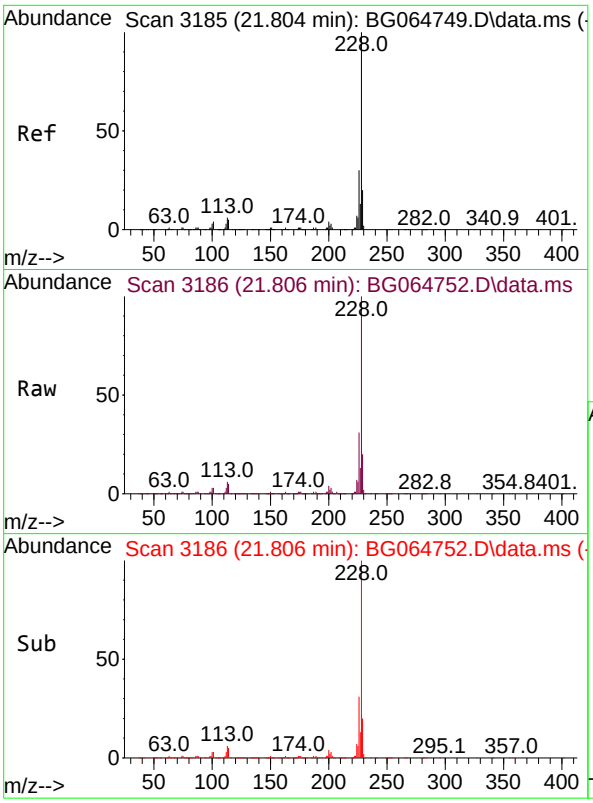


#82
3,3'-Dichlorobenzidine
Concen: 76.933 ng
RT: 21.648 min Scan# 3159
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 617916

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.8
126	6.0	4.7	7.1

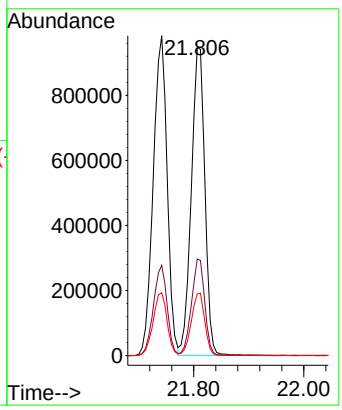




#83
Chrysene
Concen: 78.881 ng
RT: 21.806 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:228 Resp: 162281

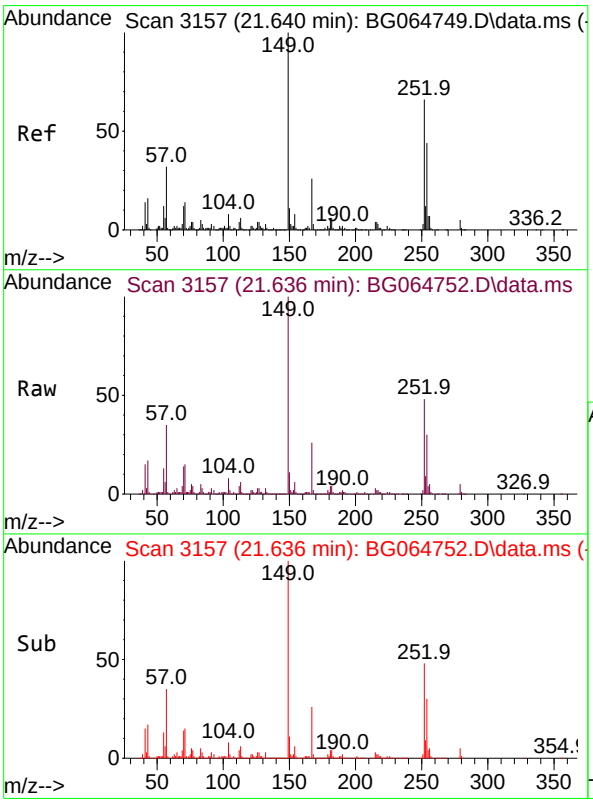
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	20.0	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

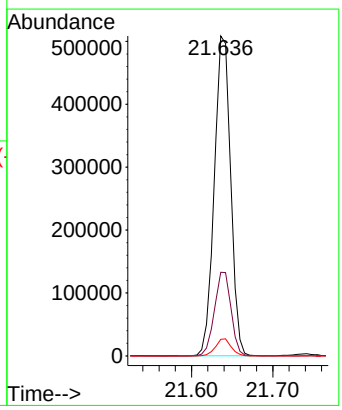
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

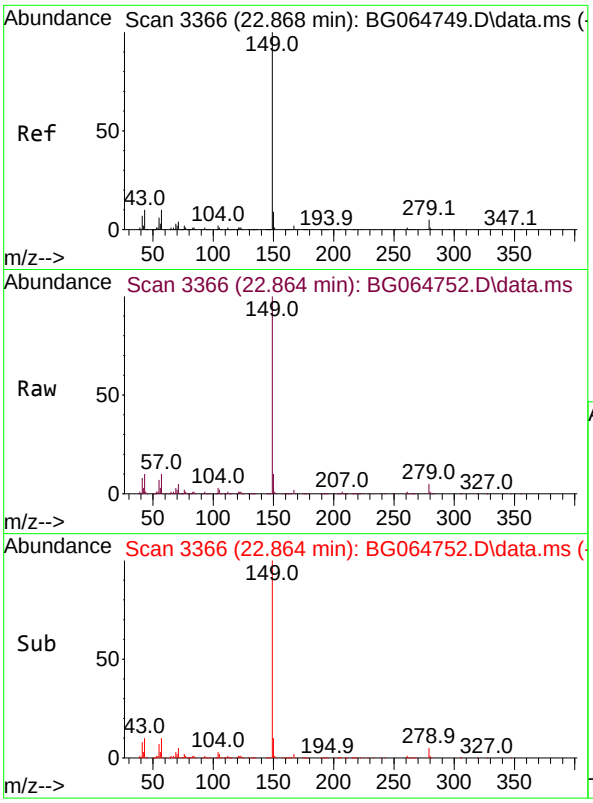


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.834 ng
RT: 21.636 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 710301

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	5.2	4.1	6.1

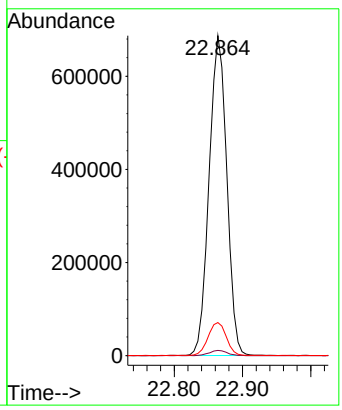




#85
Di-n-octyl phthalate
Concen: 77.260 ng
RT: 22.864 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 123460

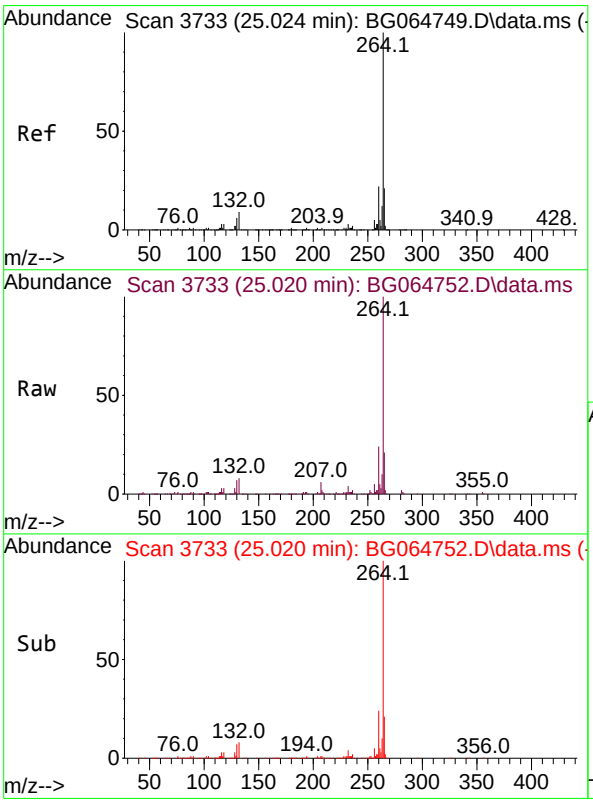
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

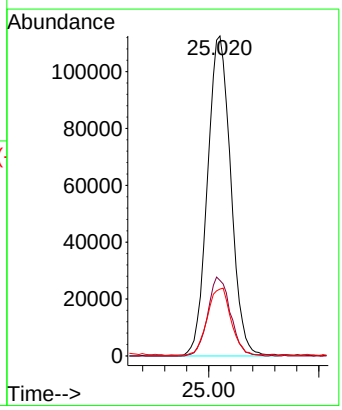
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

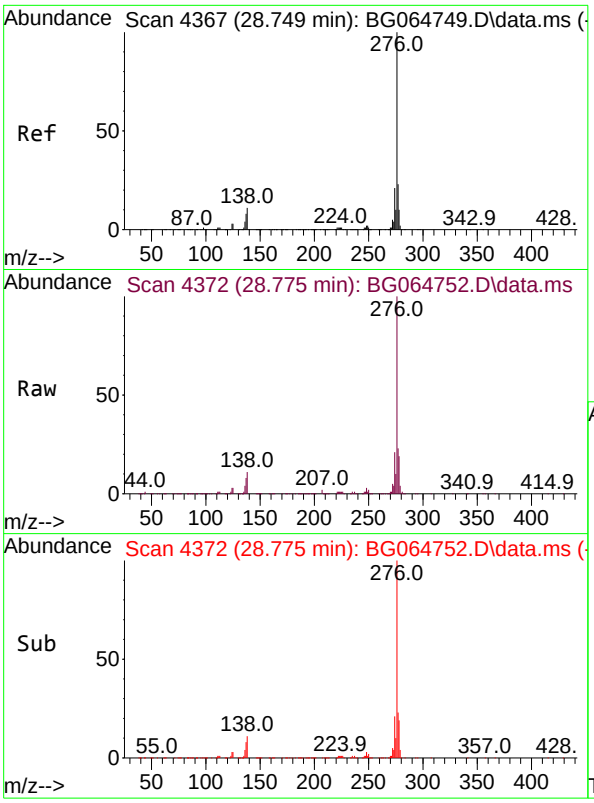


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.020 min Scan# 3733
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:264 Resp: 330317

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.2	25.8
265	20.9	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 83.713 ng
RT: 28.775 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

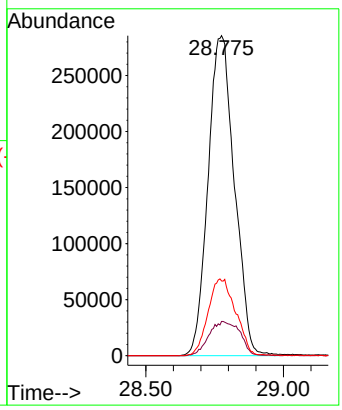
Tgt Ion:276 Resp: 189978

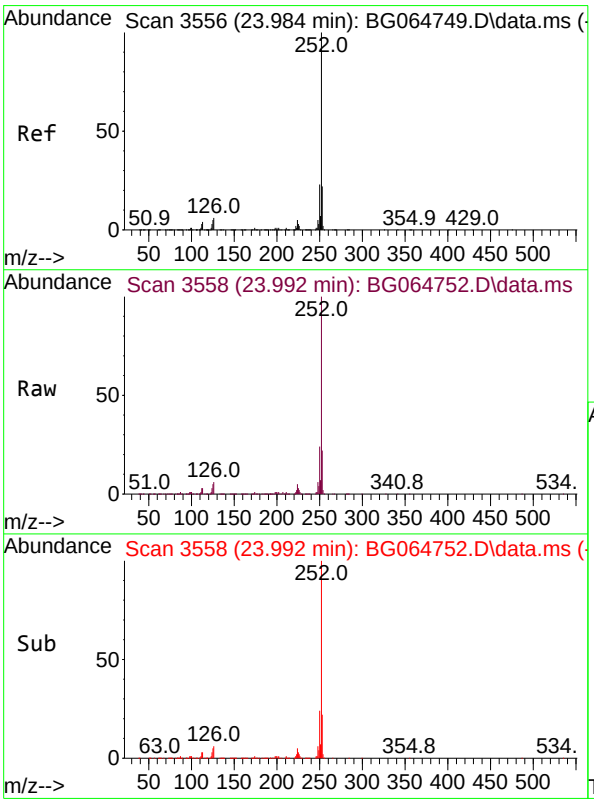
Ion	Ratio	Lower	Upper
276	100		
138	12.5	4.5	6.7
277	25.1	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

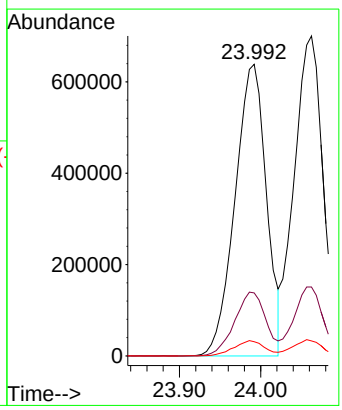


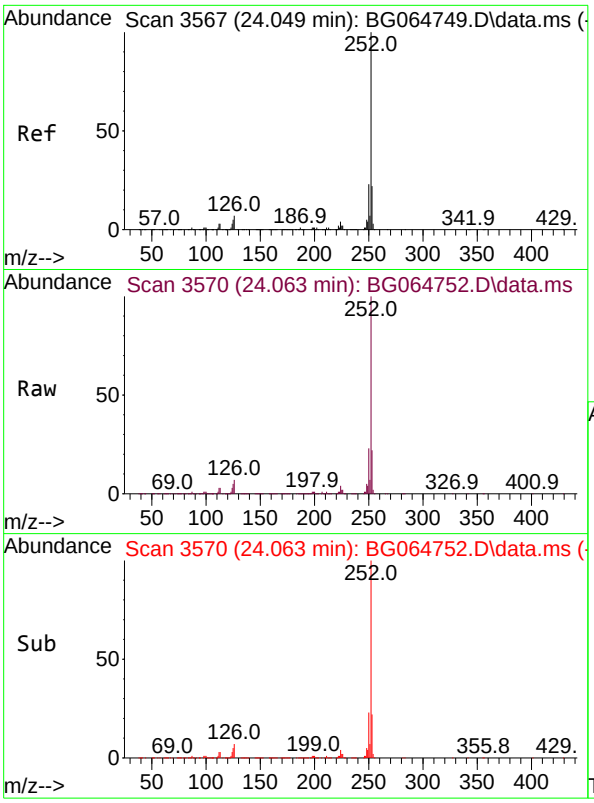


#88
Benzo(b)fluoranthene
Concen: 81.466 ng
RT: 23.992 min Scan# 3558
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 1712491

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	4.9	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 81.620 ng
RT: 24.063 min Scan# 3
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

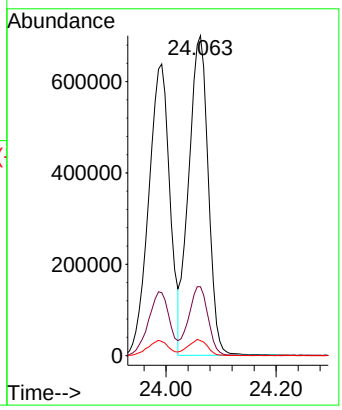
Tgt Ion:252 Resp: 172370

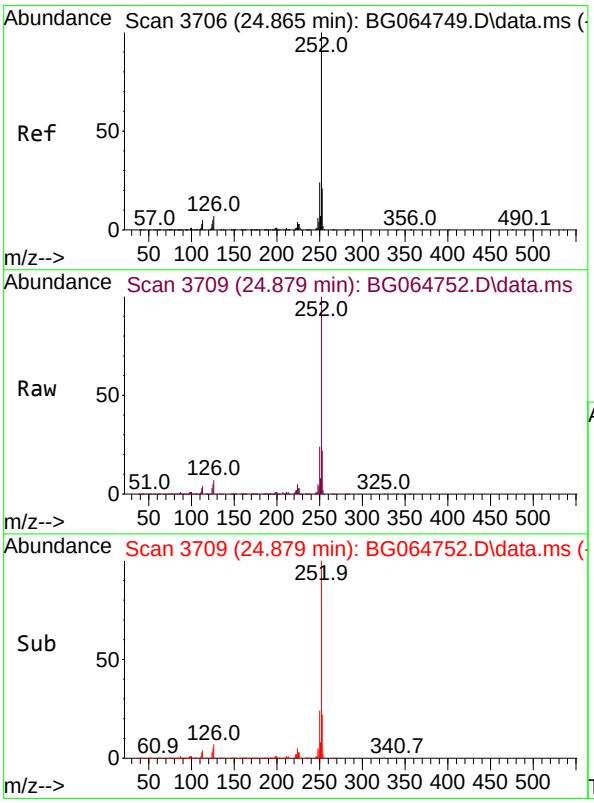
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	4.7	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

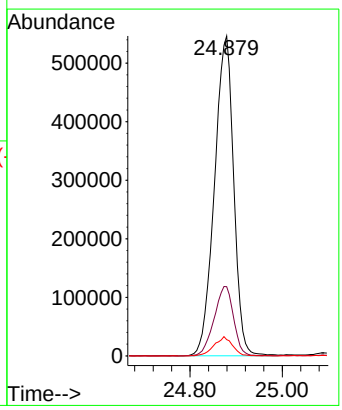


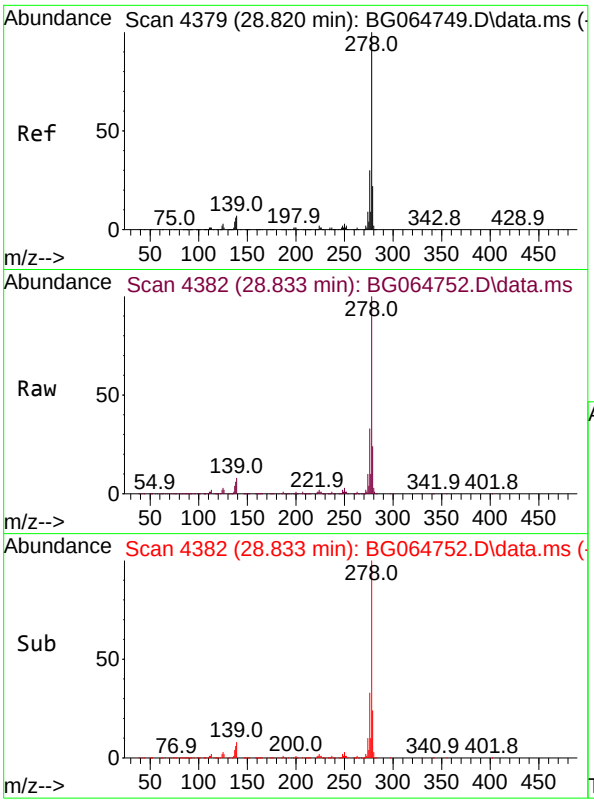


#90
Benzo(a)pyrene
Concen: 81.225 ng
RT: 24.879 min Scan# 3709
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 1583859

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.9	25.3
125	5.1	4.2	6.4

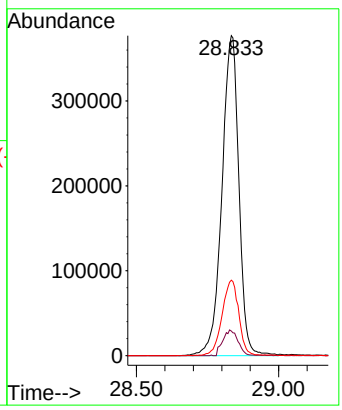




#91
Dibenzo(a,h)anthracene
Concen: 83.894 ng
RT: 28.833 min Scan# 4
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:278 Resp: 155970

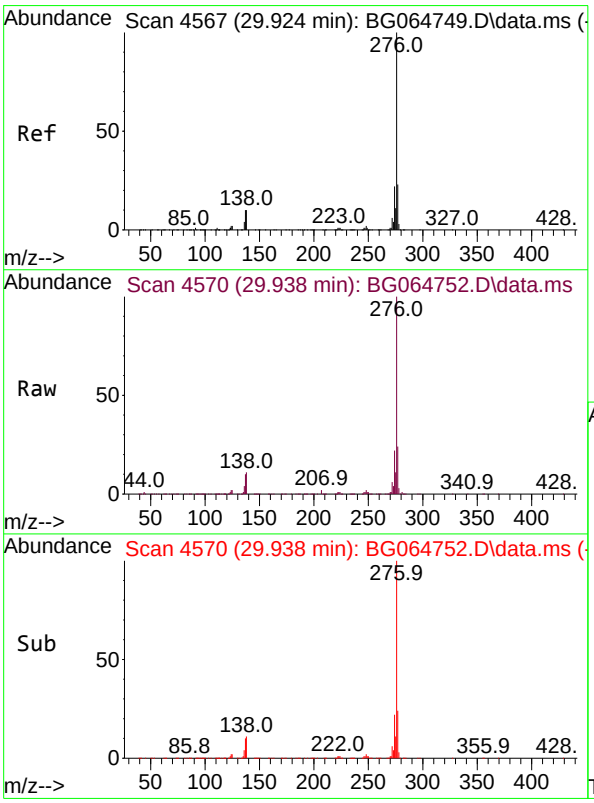
Ion	Ratio	Lower	Upper
278	100		
139	7.7	5.8	8.8
279	23.6	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

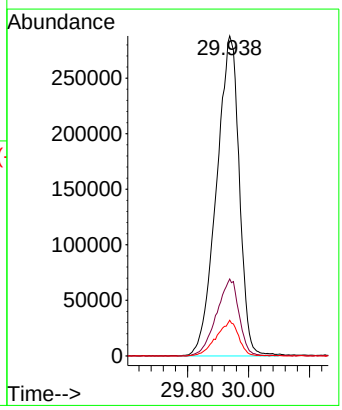
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 83.541 ng
RT: 29.938 min Scan# 4570
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:276 Resp: 1494746

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.0	27.0
138	11.1	8.2	12.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	33326	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	132747	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	109409	20.000	ng	0.00
64) Phenanthrene-d10	17.507	188	274232	20.000	ng	0.00
76) Chrysene-d12	21.755	240	377705	20.000	ng	0.00
86) Perylene-d12	25.016	264	409953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	120553	63.167	ng	0.00
7) Phenol-d6	7.307	99	163728	64.502	ng	0.00
23) Nitrobenzene-d5	9.328	82	166272	61.930	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	136910	64.162	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	470384	59.990	ng	0.00
79) Terphenyl-d14	20.092	244	1191783	62.068	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.535	88	23293	31.527	ng	96
3) Pyridine	3.946	79	64481	29.291	ng	96
4) n-Nitrosodimethylamine	3.852	42	36442	32.525	ng	91
6) Aniline	7.483	93	115393	34.106	ng	99
8) 2-Chlorophenol	7.730	128	68691	32.779	ng	96
9) Benzaldehyde	7.295	77	58482	35.196	ng	90
10) Phenol	7.336	94	91069	32.974	ng	95
11) bis(2-Chloroethyl)ether	7.571	93	63934	32.532	ng	98
12) 1,3-Dichlorobenzene	8.059	146	81195	33.672	ng	97
13) 1,4-Dichlorobenzene	8.206	146	80784	32.901	ng	96
14) 1,2-Dichlorobenzene	8.523	146	80788	33.934	ng	99
15) Benzyl Alcohol	8.400	79	72009	34.561	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.688	45	148081	31.833	ng	99
17) 2-Methylphenol	8.600	107	62824	32.149	ng	96
18) Hexachloroethane	9.263	117	29173	31.370	ng	95
19) n-Nitroso-di-n-propyla...	8.970	70	58847	34.287	ng	91
20) 3+4-Methylphenols	8.923	107	86297	32.235	ng	96
22) Acetophenone	8.987	105	122146	33.774	ng	99
24) Nitrobenzene	9.369	77	89962	33.162	ng	94
25) Isophorone	9.898	82	165493	32.368	ng	97
26) 2-Nitrophenol	10.086	139	40886	33.507	ng	98
27) 2,4-Dimethylphenol	10.139	122	68610	31.650	ng	98
28) bis(2-Chloroethoxy)met...	10.374	93	90243	32.150	ng	97
29) 2,4-Dichlorophenol	10.627	162	76896	33.040	ng	97
30) 1,2,4-Trichlorobenzene	10.844	180	95519	33.988	ng	96
31) Naphthalene	11.038	128	236163	31.383	ng	100
32) Benzoic acid	10.245	122	43241m	30.681	ng	
33) 4-Chloroaniline	11.126	127	101262	33.639	ng	100
34) Hexachlorobutadiene	11.326	225	75988	31.513	ng	97
35) Caprolactam	11.884	113	22870	32.854	ng	95
36) 4-Chloro-3-methylphenol	12.236	107	83400	32.195	ng	97
37) 2-Methylnaphthalene	12.624	142	161122	28.612	ng	97
38) 1-Methylnaphthalene	12.842	142	168025	30.038	ng	99
40) 1,2,4,5-Tetrachloroben...	12.989	216	134917	31.686	ng	98
41) Hexachlorocyclopentadiene	12.971	237	93533	30.647	ng	98
43) 2,4,6-Trichlorophenol	13.218	196	80067	32.039	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	88366	31.528	ng		95
46) 1,1'-Biphenyl	13.617	154	253543	32.265	ng		95
47) 2-Chloronaphthalene	13.664	162	192989	31.173	ng		99
48) 2-Nitroaniline	13.846	65	66734	33.514	ng		95
49) Acenaphthylene	14.504	152	336105	31.779	ng		98
50) Dimethylphthalate	14.222	163	273873	31.689	ng		96
51) 2,6-Dinitrotoluene	14.334	165	55364	33.291	ng		97
52) Acenaphthene	14.839	154	200981	31.693	ng		100
53) 3-Nitroaniline	14.663	138	55656	33.908	ng		99
54) 2,4-Dinitrophenol	14.869	184	30993	32.871	ng		91
55) Dibenzofuran	15.168	168	328578	31.341	ng		97
56) 4-Nitrophenol	14.957	139	43480	33.387	ng		92
57) 2,4-Dinitrotoluene	15.115	165	83443	33.468	ng		98
58) Fluorene	15.815	166	260110	31.633	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.392	232	95337	34.475	ng		97
60) Diethylphthalate	15.574	149	260062	31.411	ng		98
61) 4-Chlorophenyl-phenyle...	15.803	204	151269	30.654	ng		99
62) 4-Nitroaniline	15.815	138	57409	33.761	ng		95
63) Azobenzene	16.097	77	219873	31.929	ng		97
65) 4,6-Dinitro-2-methylph...	15.879	198	51659	33.928	ng		91
66) n-Nitrosodiphenylamine	16.014	169	234732	32.679	ng		98
67) 4-Bromophenyl-phenylether	16.696	248	113704	31.573	ng		96
68) Hexachlorobenzene	16.819	284	136782	31.349	ng		95
69) Atrazine	16.949	200	114666	33.110	ng		98
70) Pentachlorophenol	17.154	266	72699	32.137	ng		97
71) Phenanthrene	17.548	178	472871	31.516	ng		99
72) Anthracene	17.636	178	486138	31.775	ng		99
73) Carbazole	17.900	167	431125	32.779	ng		99
74) Di-n-butylphthalate	18.453	149	467217	31.841	ng		99
75) Fluoranthene	19.540	202	649361	31.649	ng		99
77) Benzidine	19.710	184	374997	33.151	ng		99
78) Pyrene	19.898	202	679837	32.115	ng		98
80) Butylbenzylphthalate	20.768	149	231586	31.103	ng		98
81) Benzo(a)anthracene	21.737	228	813112	31.660	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	321145	33.973	ng		98
83) Chrysene	21.802	228	755443	31.200	ng		100
84) Bis(2-ethylhexyl)phtha...	21.637	149	336357	30.914	ng		99
85) Di-n-octyl phthalate	22.859	149	578463	30.757	ng		100
87) Indeno(1,2,3-cd)pyrene	28.746	276	909527	32.293	ng	#	96
88) Benzo(b)fluoranthene	23.981	252	800751	30.693	ng		99
89) Benzo(k)fluoranthene	24.046	252	841278	32.097	ng		99
90) Benzo(a)pyrene	24.863	252	781704	32.301	ng		99
91) Dibenzo(a,h)anthracene	28.811	278	741916	32.155	ng		98
92) Benzo(g,h,i)perylene	29.910	276	705009	31.749	ng		99

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

ICAL Form

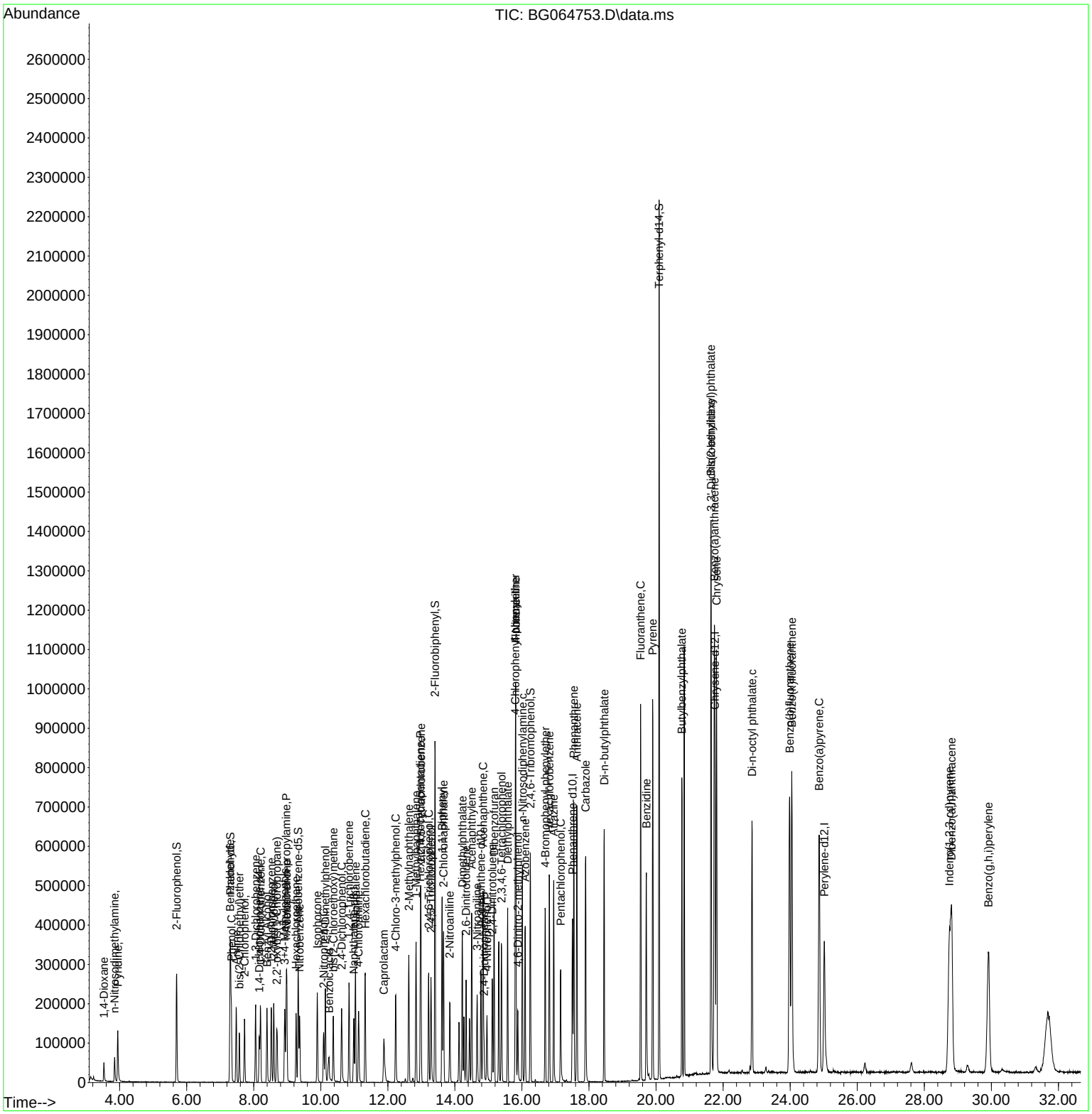
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

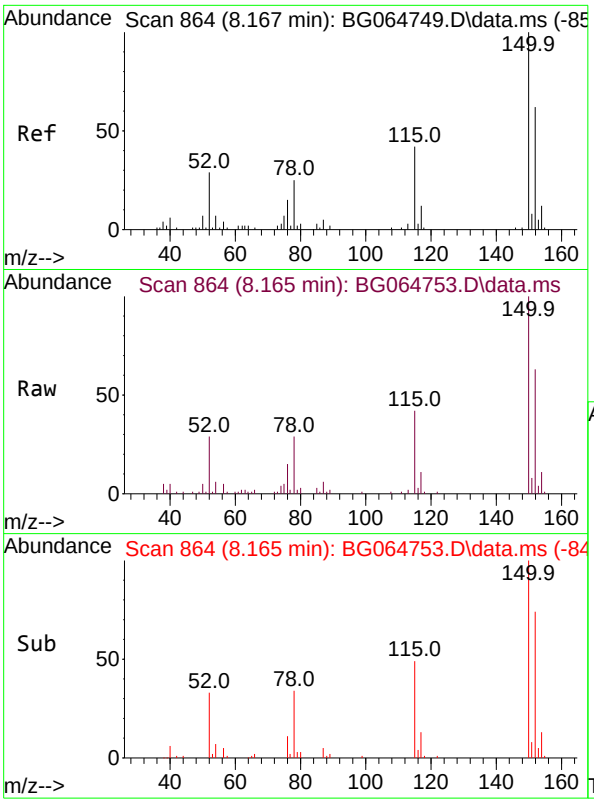
Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

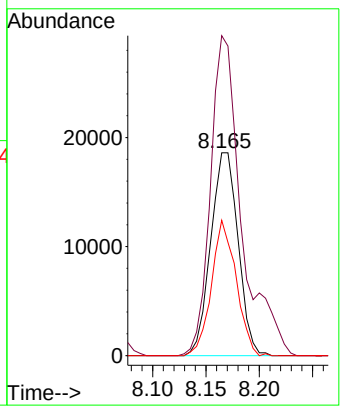




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:152 Resp: 3332

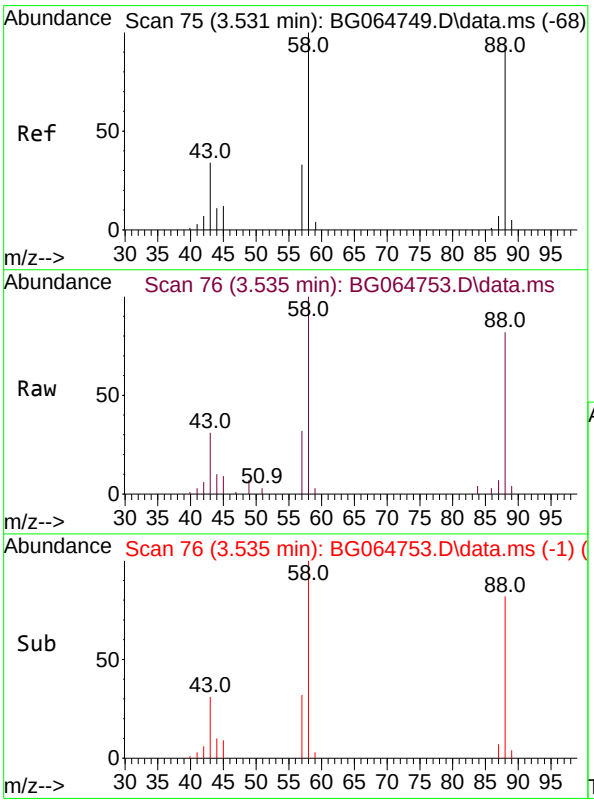
Ion	Ratio	Lower	Upper
152	100		
150	157.7	129.2	193.8
115	66.7	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

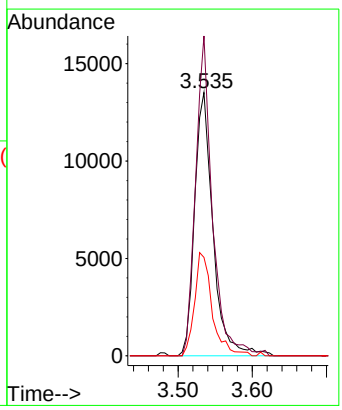
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

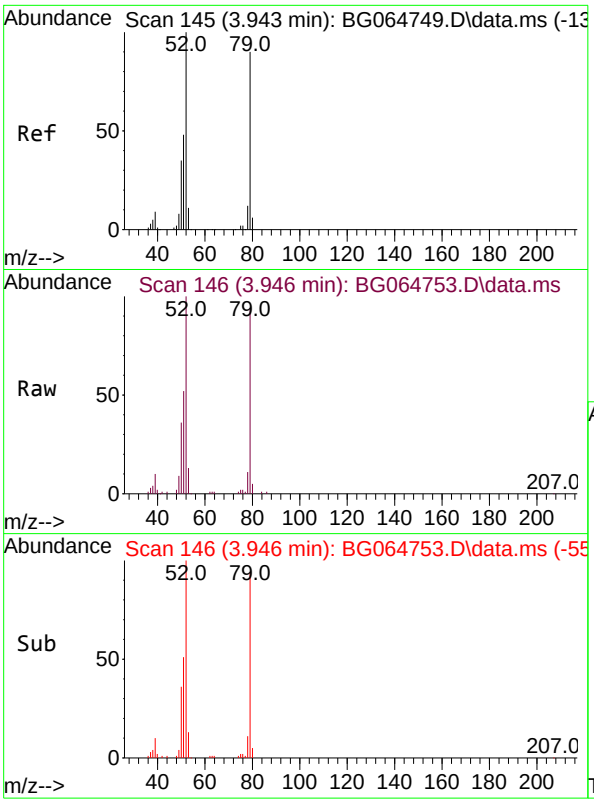


#2
1,4-Dioxane
Concen: 31.527 ng
RT: 3.535 min Scan# 76
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 88 Resp: 23293

Ion	Ratio	Lower	Upper
88	100		
58	111.2	84.6	126.8
43	37.7	30.0	45.0

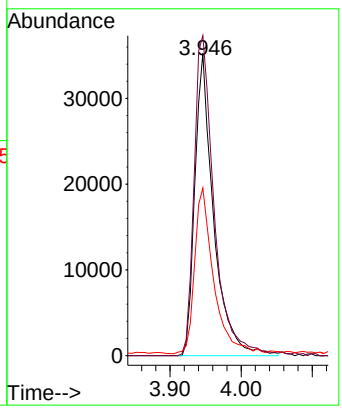




#3
Pyridine
Concen: 29.291 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 79 Resp: 6448

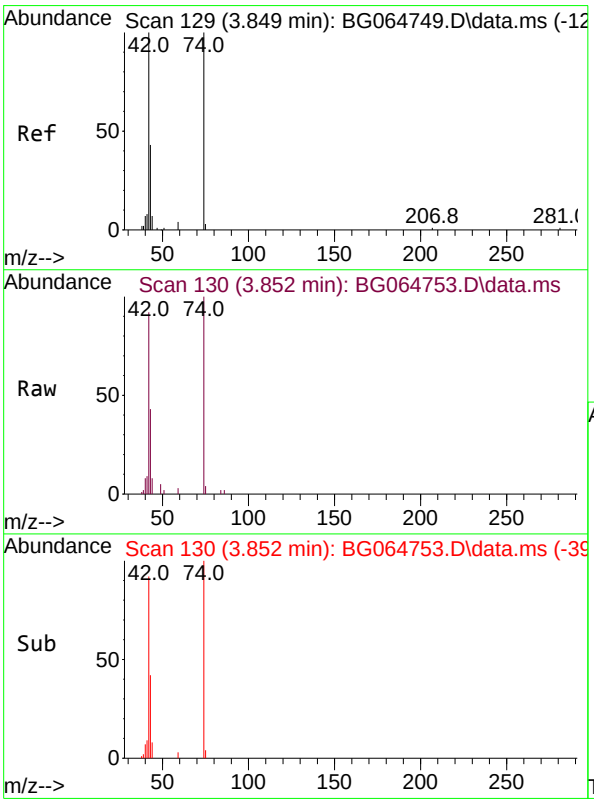
Ion	Ratio	Lower	Upper
79	100		
52	105.9	89.0	133.4
51	55.5	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

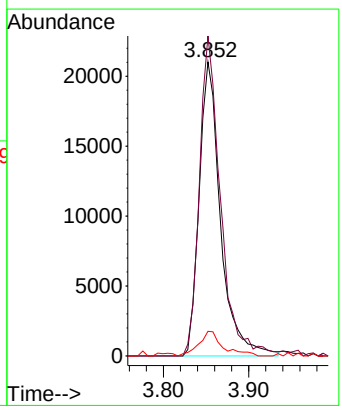
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

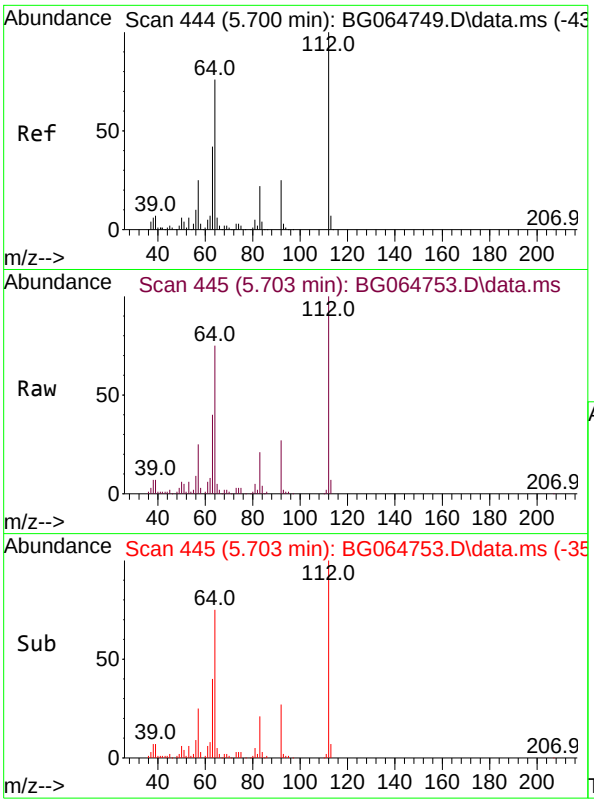


#4
n-Nitrosodimethylamine
Concen: 32.525 ng
RT: 3.852 min Scan# 130
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 42 Resp: 36442

Ion	Ratio	Lower	Upper
42	100		
74	108.9	79.8	119.6
44	8.4	5.9	8.9





#5
2-Fluorophenol
Concen: 63.167 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

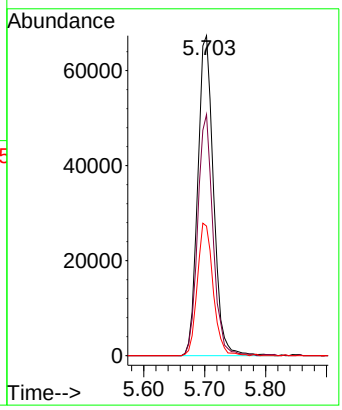
Tgt Ion:112 Resp: 12055

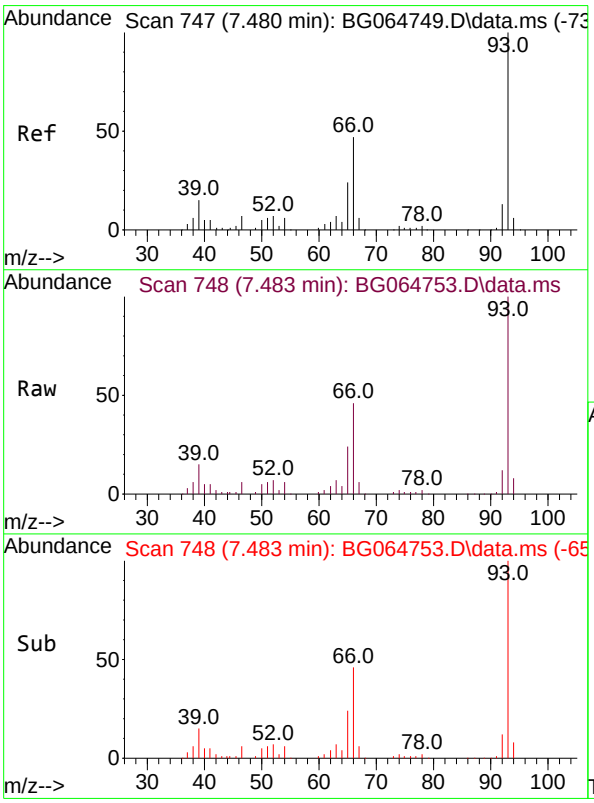
Ion	Ratio	Lower	Upper
112	100		
64	75.3	61.0	91.4
63	40.5	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

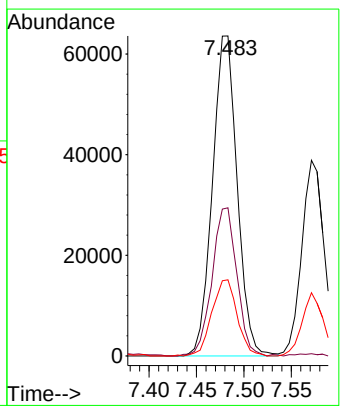


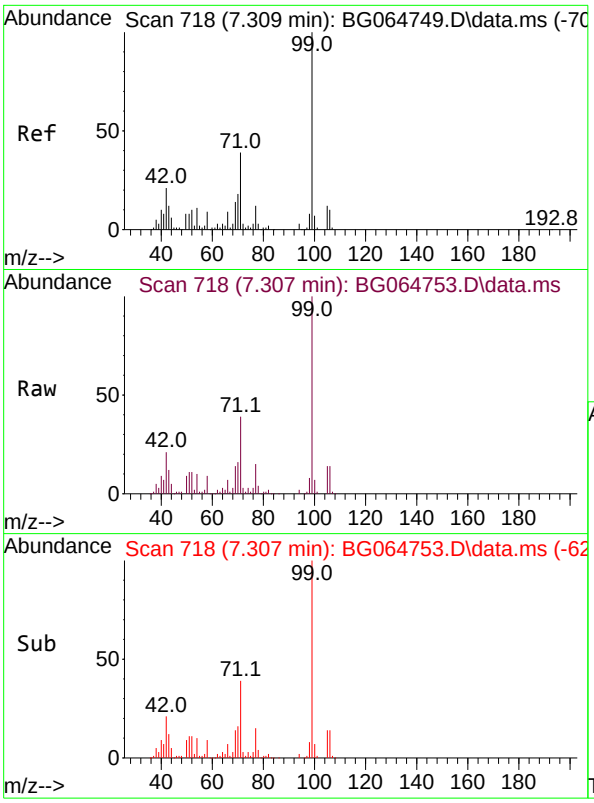


#6
Aniline
Concen: 34.106 ng
RT: 7.483 min Scan# 748
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 115393

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.7	56.5
65	23.8	19.1	28.7

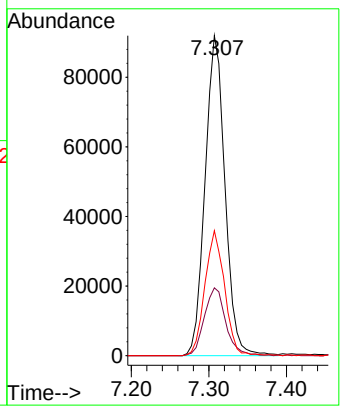




#7
Phenol-d6
Concen: 64.502 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 99 Resp: 163728

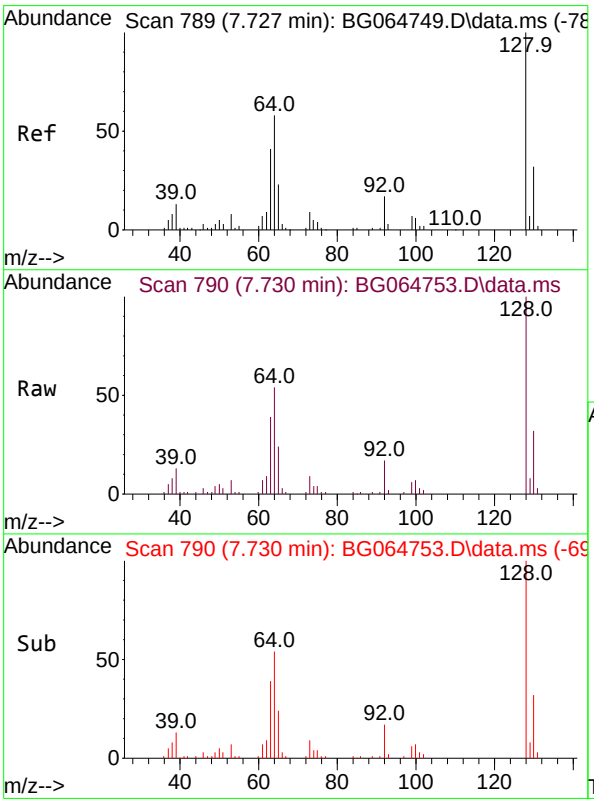
Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	39.0	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

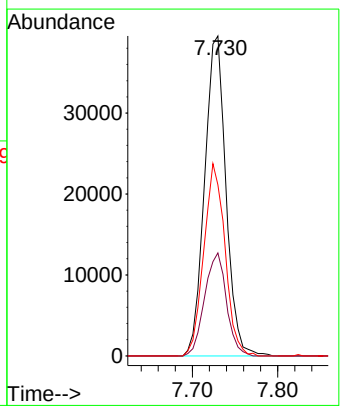
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

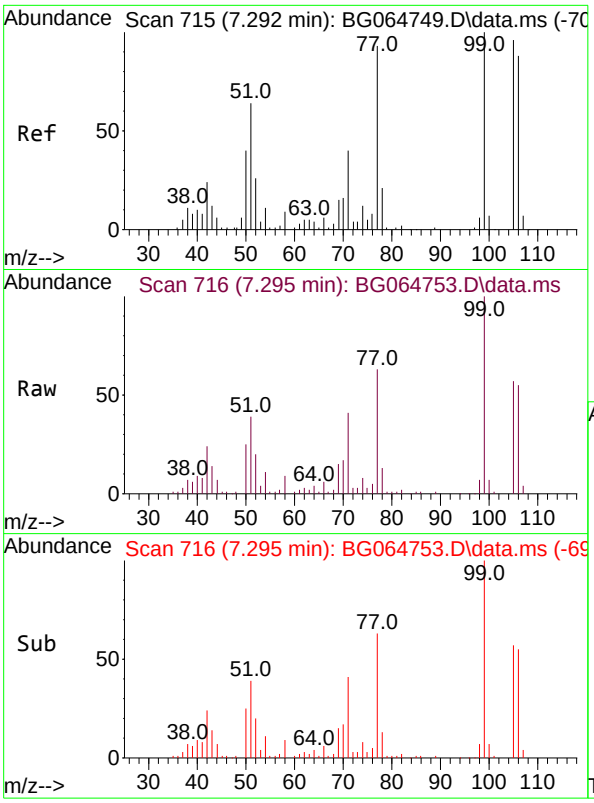


#8
2-Chlorophenol
Concen: 32.779 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:128 Resp: 68691

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.9	51.9
64	53.5	38.4	78.4





#9
Benzaldehyde
Concen: 35.196 ng
RT: 7.295 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

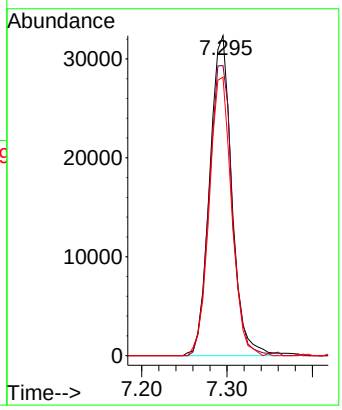
Tgt Ion: 77 Resp: 5848

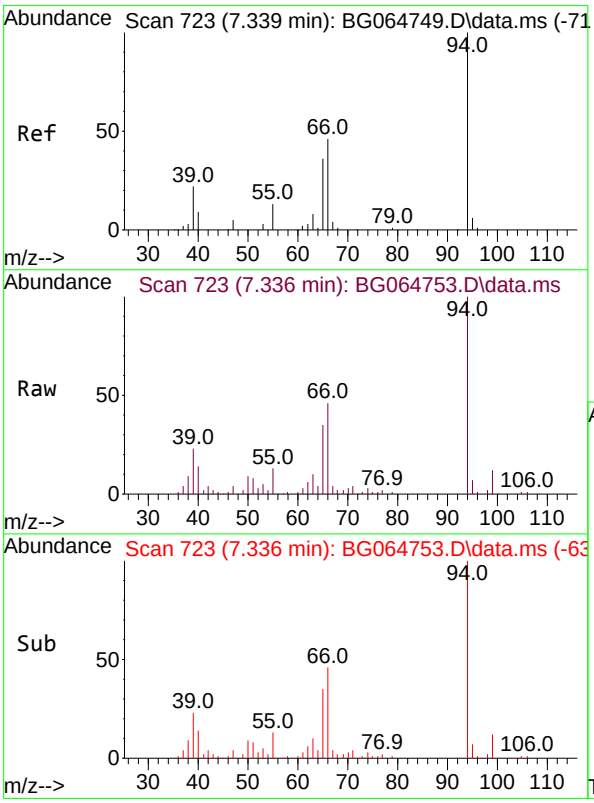
Ion	Ratio	Lower	Upper
77	100		
105	90.6	83.8	123.8
106	87.0	74.3	114.3

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

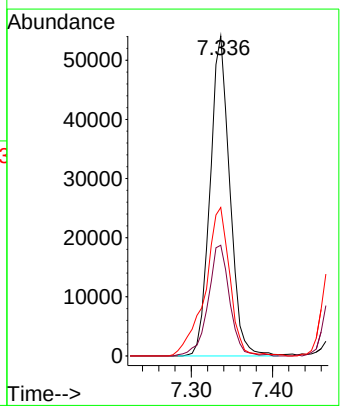


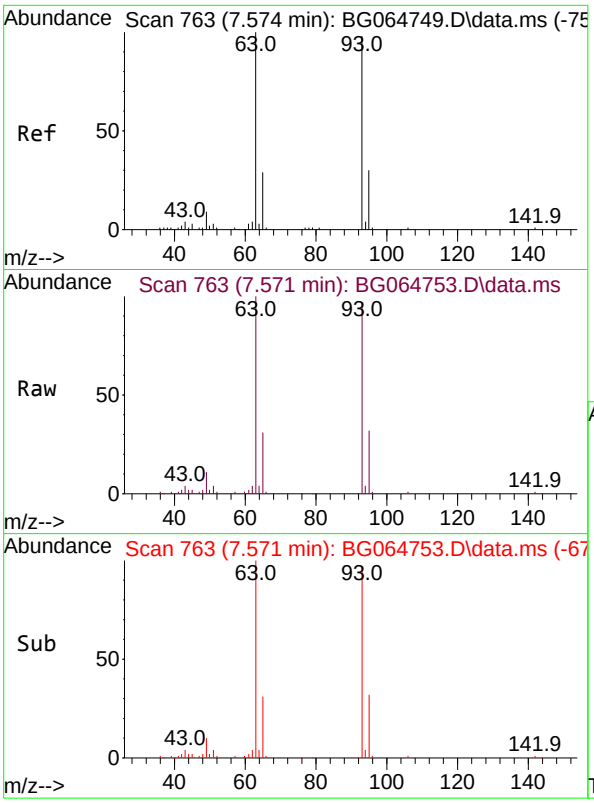


#10
Phenol
Concen: 32.974 ng
RT: 7.336 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 94 Resp: 91069

Ion	Ratio	Lower	Upper
94	100		
65	34.6	17.0	57.0
66	46.4	29.8	69.8

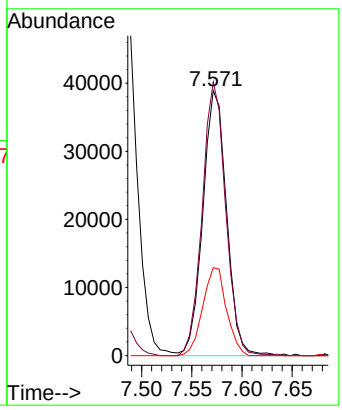




#11
bis(2-Chloroethyl)ether
Concen: 32.532 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 6393

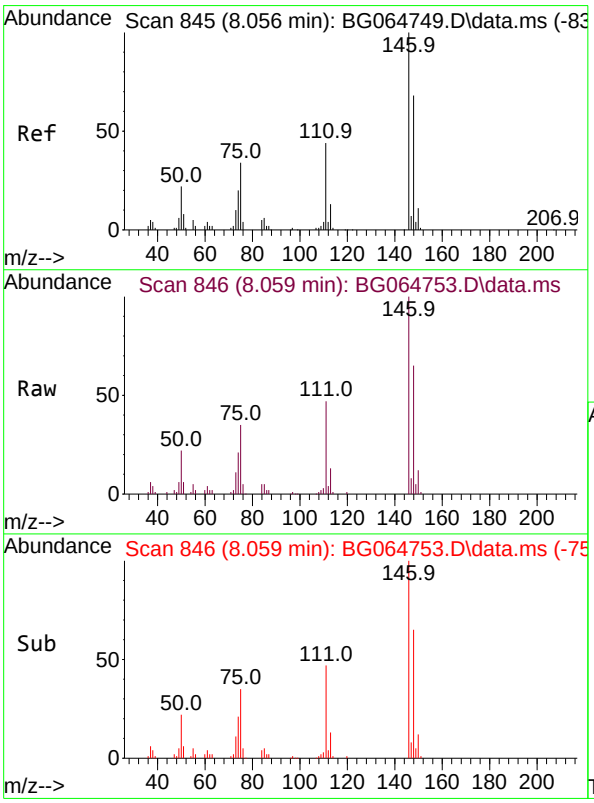
Ion	Ratio	Lower	Upper
93	100		
63	103.4	81.8	121.8
95	33.2	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

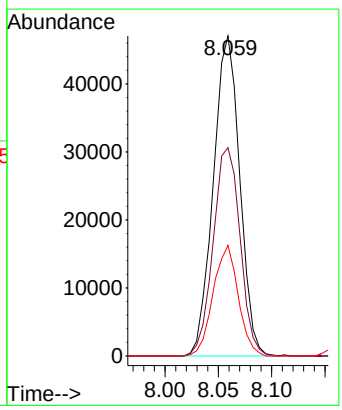
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

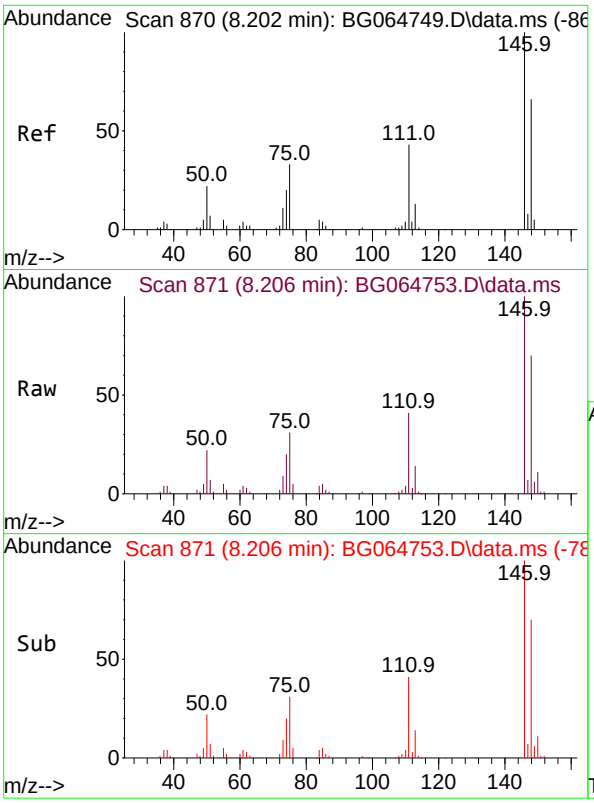


#12
1,3-Dichlorobenzene
Concen: 33.672 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 81195

Ion	Ratio	Lower	Upper
146	100		
148	65.1	54.6	82.0
75	34.5	27.6	41.4

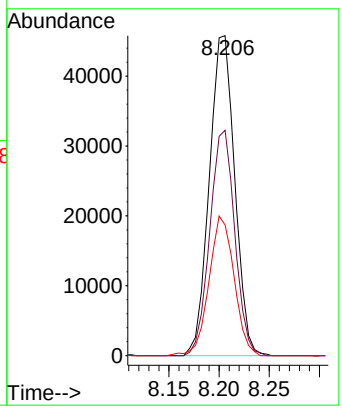




#13
1,4-Dichlorobenzene
Concen: 32.901 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 8078

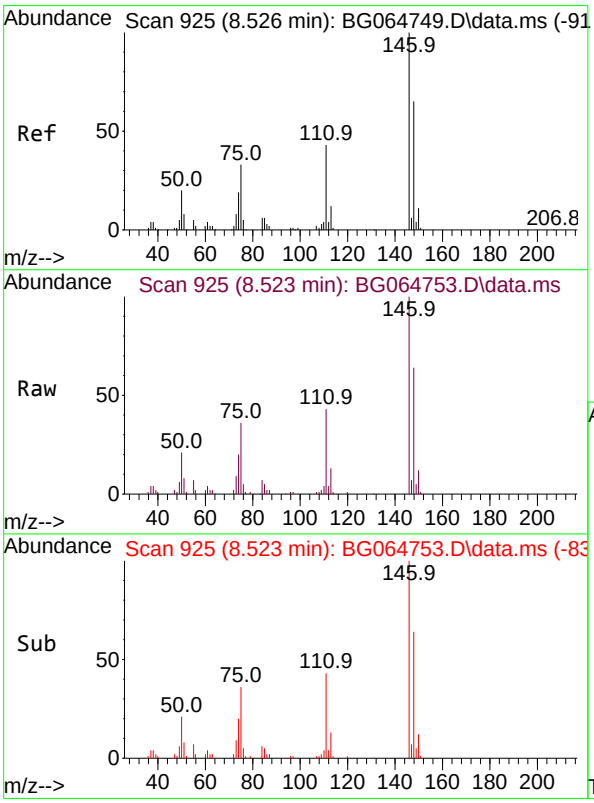
Ion	Ratio	Lower	Upper
146	100		
148	70.5	53.1	79.7
111	40.8	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

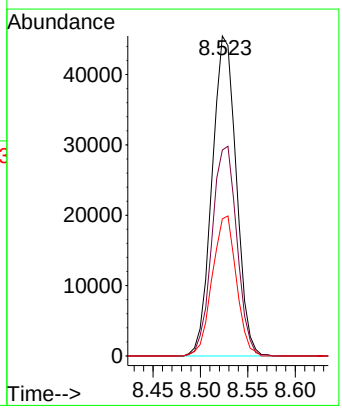
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

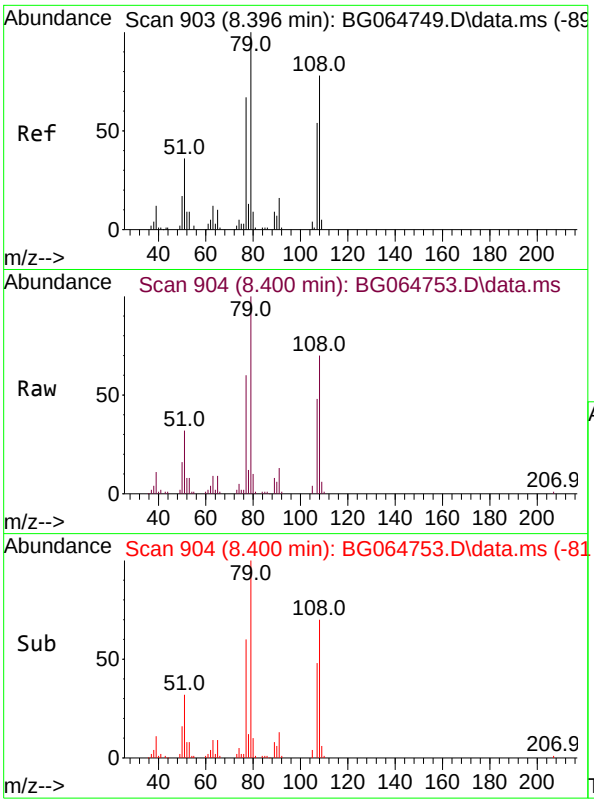


#14
1,2-Dichlorobenzene
Concen: 33.934 ng
RT: 8.523 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 80788

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.0	78.0
111	42.8	34.7	52.1





#15
Benzyl Alcohol
Concen: 34.561 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

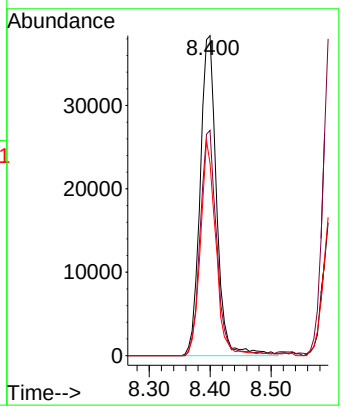
Tgt Ion: 79 Resp: 7200

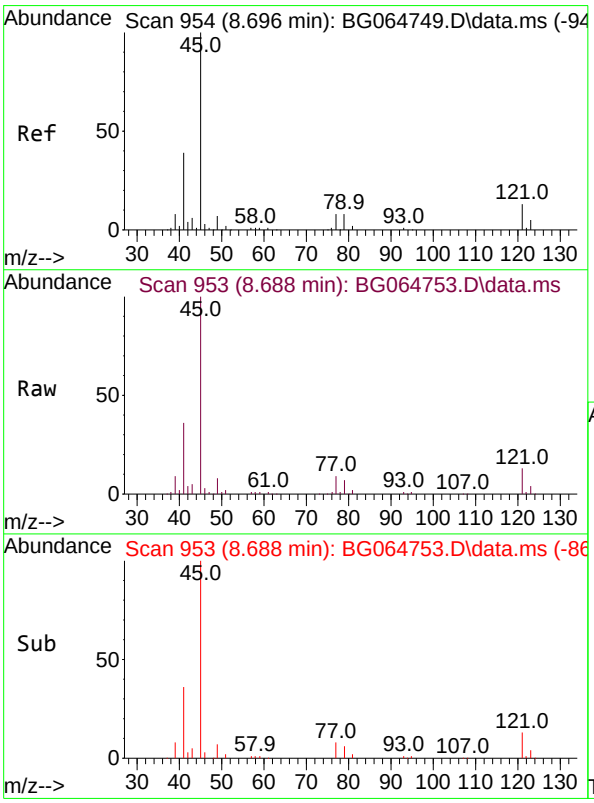
Ion	Ratio	Lower	Upper
79	100		
108	70.4	62.3	93.5
77	60.1	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

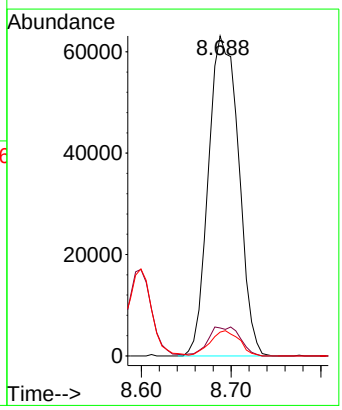


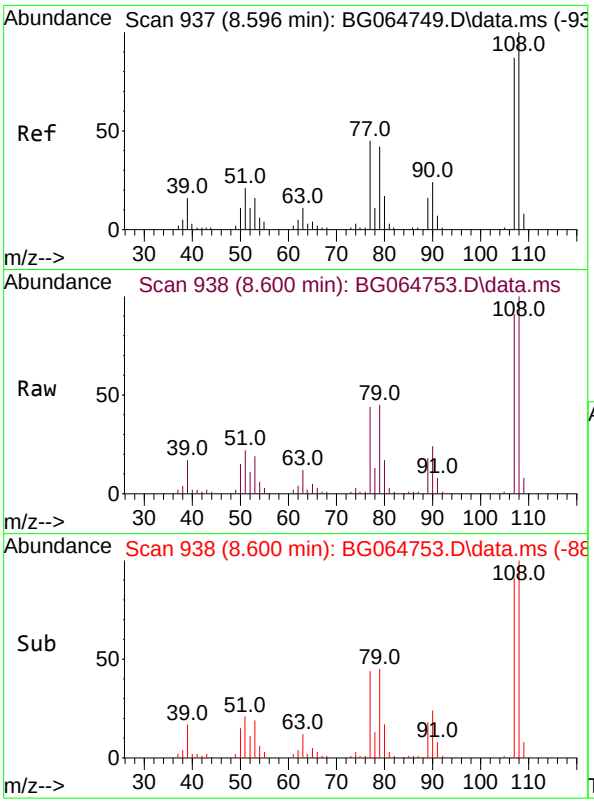


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.833 ng
RT: 8.688 min Scan# 953
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 45 Resp: 148081

Ion	Ratio	Lower	Upper
45	100		
77	8.7	0.0	28.8
79	7.4	0.0	28.1

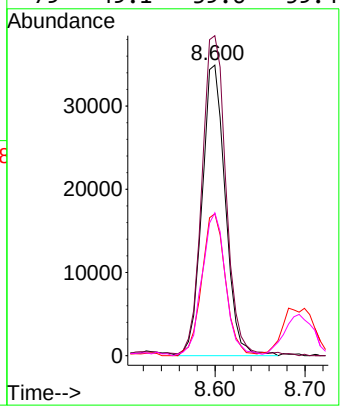




#17
2-Methylphenol
Concen: 32.149 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 6282

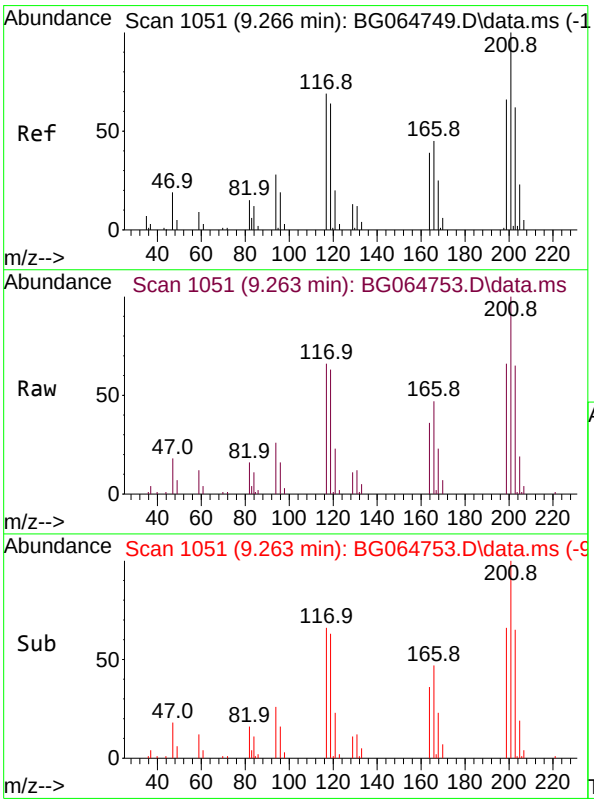
Ion	Ratio	Lower	Upper
107	100		
108	110.1	92.6	138.8
77	48.8	41.2	61.8
79	49.1	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

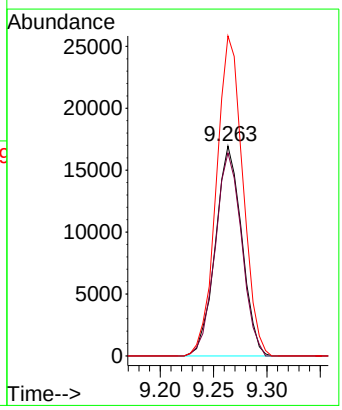
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

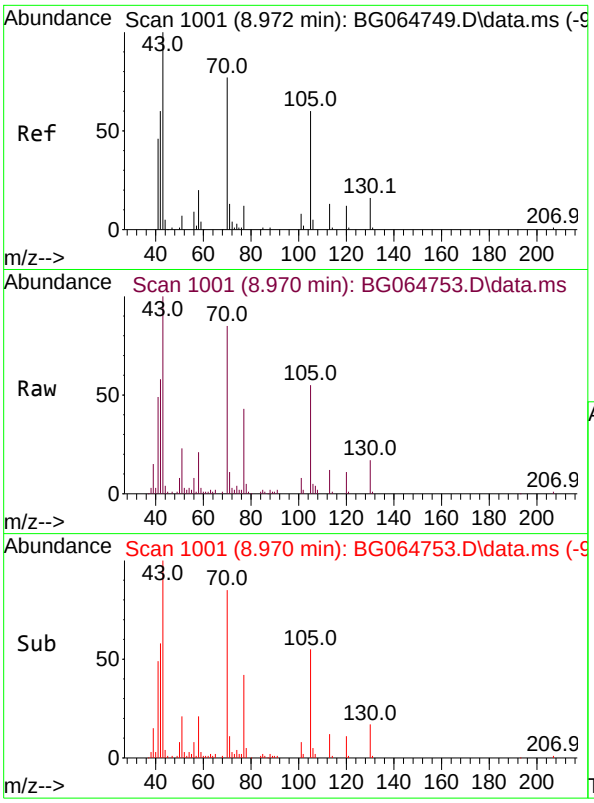


#18
Hexachloroethane
Concen: 31.370 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:117 Resp: 29173

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.4	111.6
201	152.5	116.5	174.7

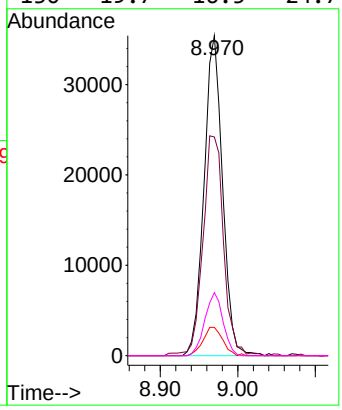




#19
n-Nitroso-di-n-propylamine
Concen: 34.287 ng
RT: 8.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 70 Resp: 5884

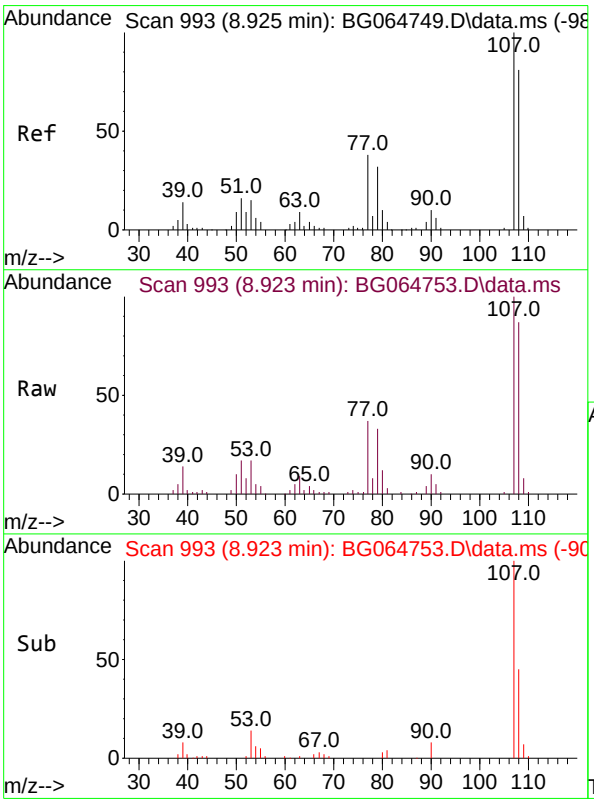
Ion	Ratio	Lower	Upper
70	100		
42	68.3	62.6	93.8
101	8.8	8.0	12.0
130	19.7	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

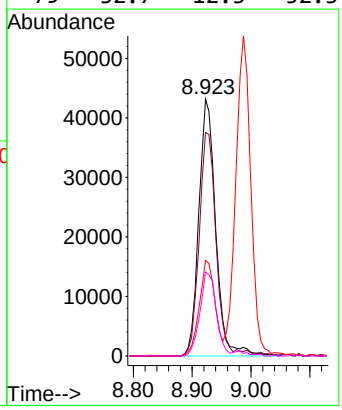
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

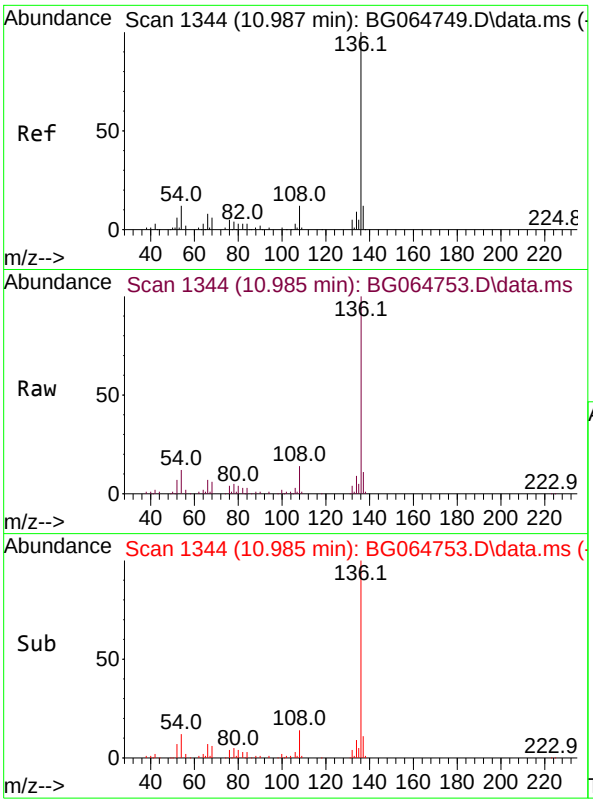


#20
3+4-Methylphenols
Concen: 32.235 ng
RT: 8.923 min Scan# 993
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 86297

Ion	Ratio	Lower	Upper
107	100		
108	87.0	61.0	101.0
77	37.2	17.6	57.6
79	32.7	12.3	52.3

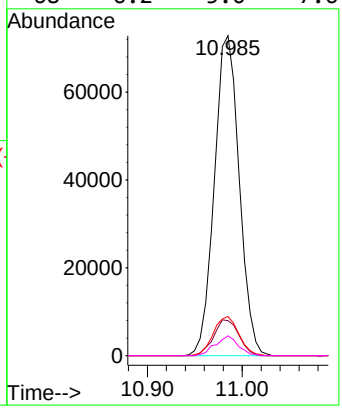




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:136 Resp: 13274

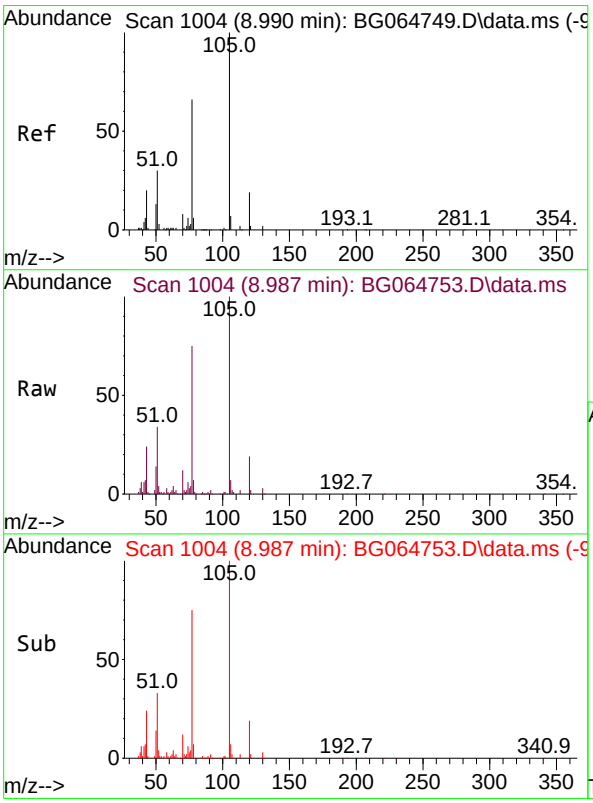
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	12.2	9.3	13.9
68	6.2	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

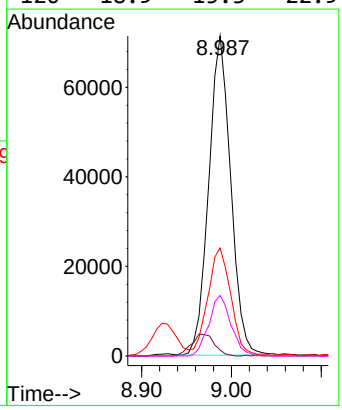
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

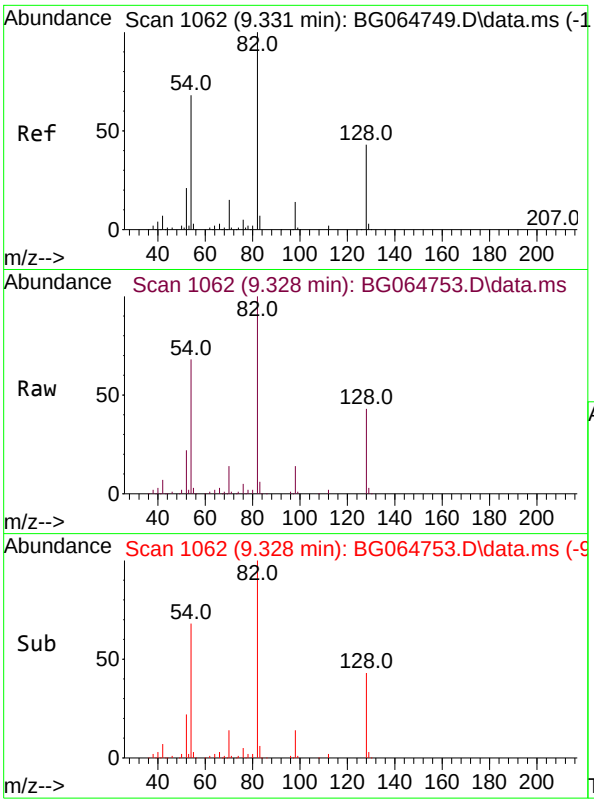


#22
Acetophenone
Concen: 33.774 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:105 Resp: 122146

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.3	1.9
51	33.7	27.9	41.9
120	18.9	15.3	22.9

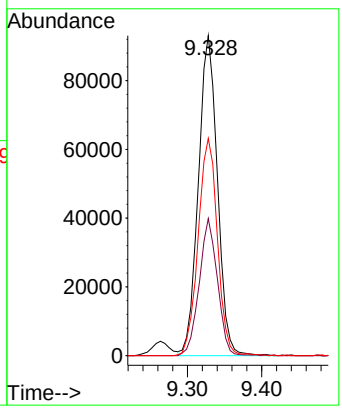




#23
Nitrobenzene-d5
Concen: 61.930 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 82 Resp: 16627

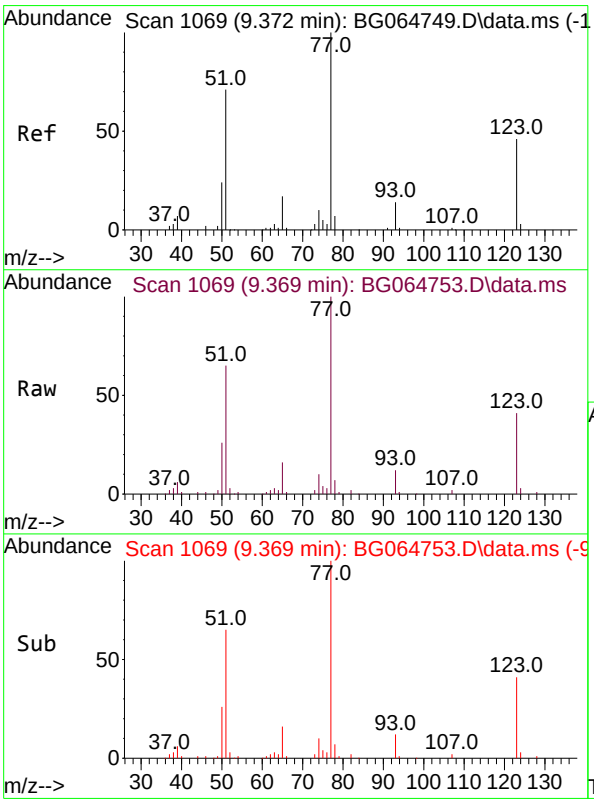
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	67.9	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

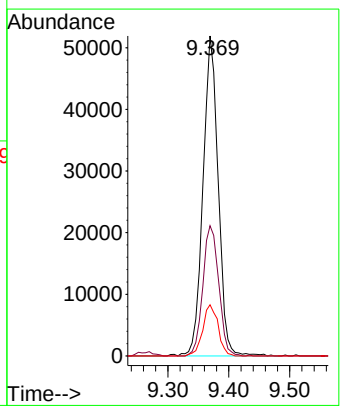
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

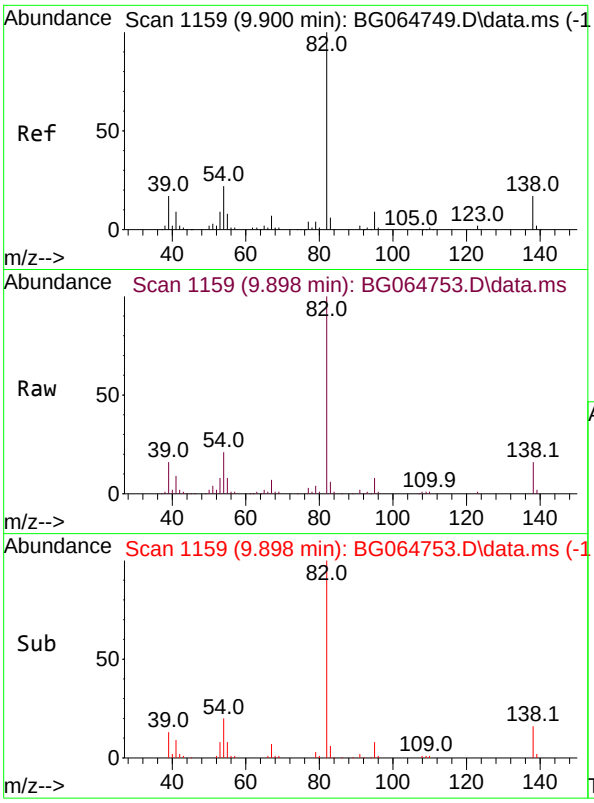


#24
Nitrobenzene
Concen: 33.162 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 77 Resp: 89962

Ion	Ratio	Lower	Upper
77	100		
123	40.7	36.5	54.7
65	16.0	13.5	20.3





#25
Isophorone
Concen: 32.368 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

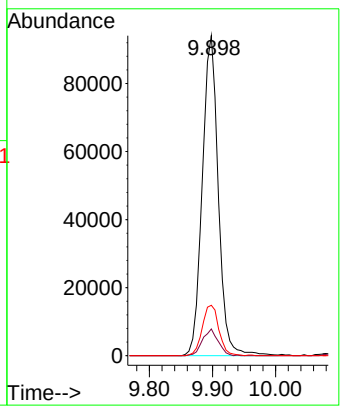
Tgt Ion: 82 Resp: 16549

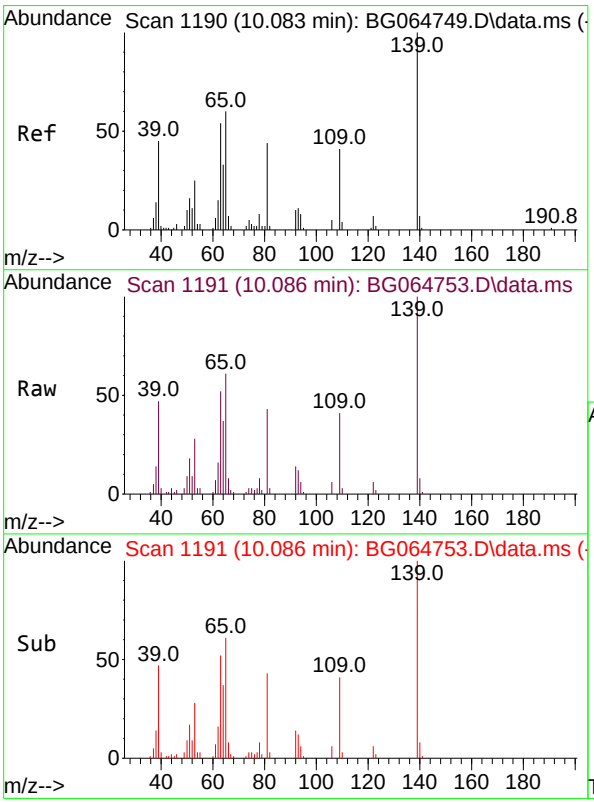
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.9	10.3
138	15.7	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

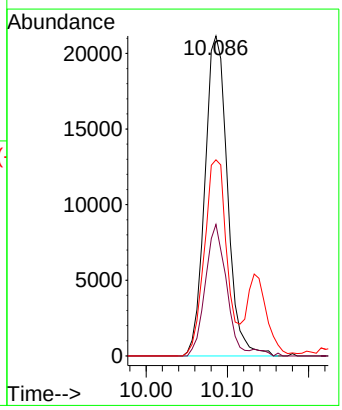


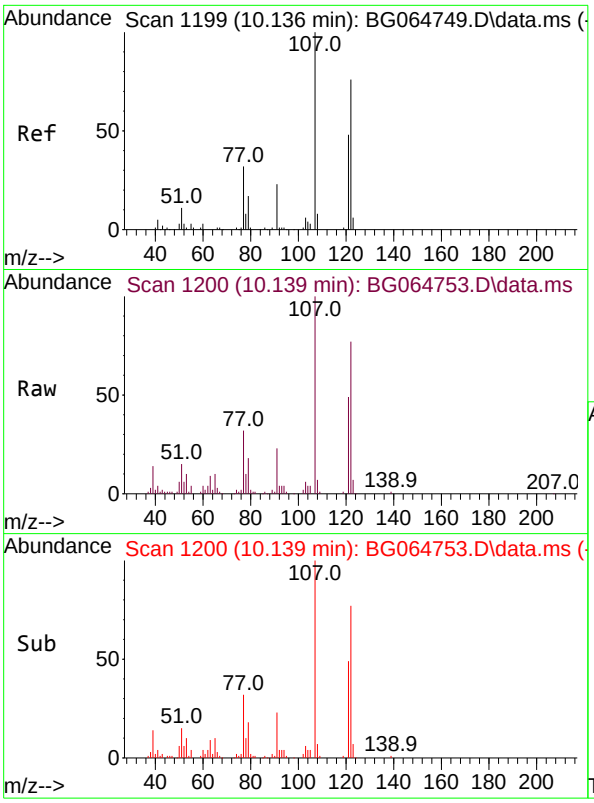


#26
2-Nitrophenol
Concen: 33.507 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:139 Resp: 40886

Ion	Ratio	Lower	Upper
139	100		
109	41.1	32.5	48.7
65	61.3	47.6	71.4

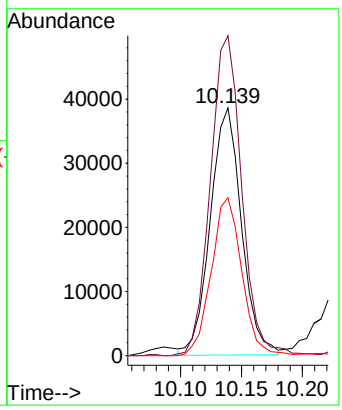




#27
2,4-Dimethylphenol
Concen: 31.650 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:122 Resp: 6861

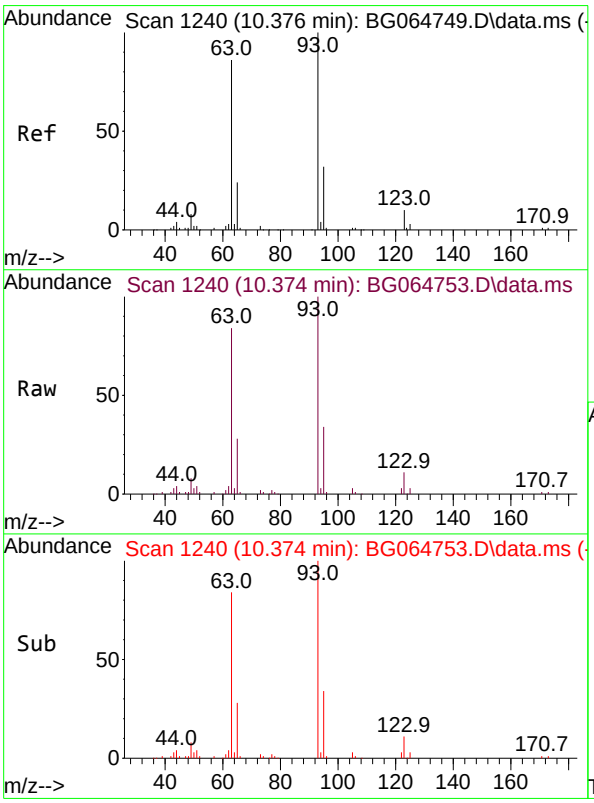
Ion	Ratio	Lower	Upper
122	100		
107	129.3	102.5	153.7
121	63.8	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

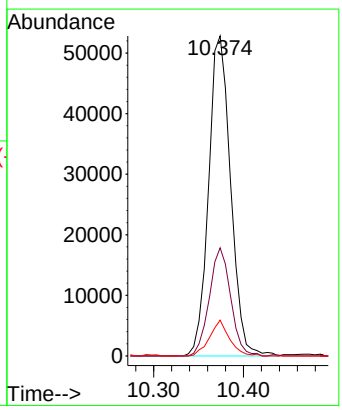
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

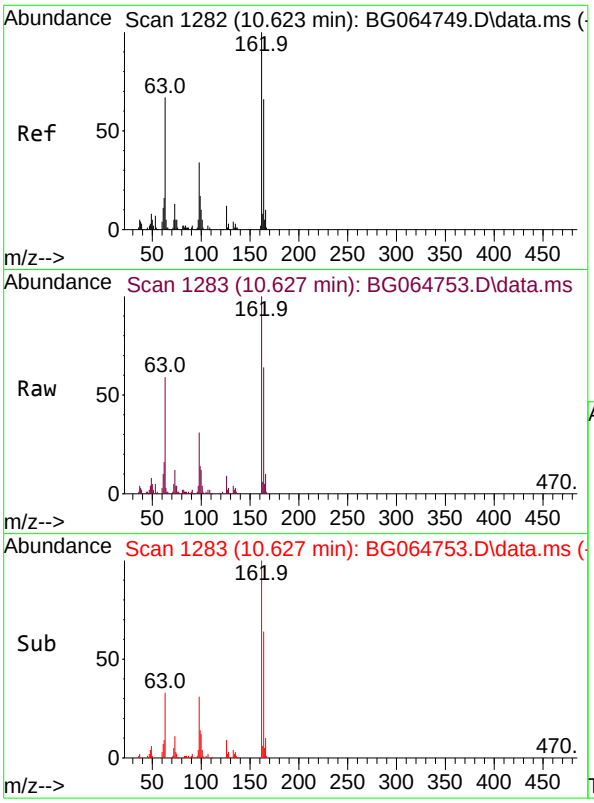


#28
bis(2-Chloroethoxy)methane
Concen: 32.150 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 90243

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	11.2	8.1	12.1

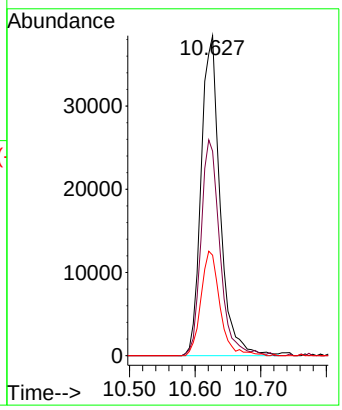




#29
2,4-Dichlorophenol
Concen: 33.040 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:162 Resp: 7689

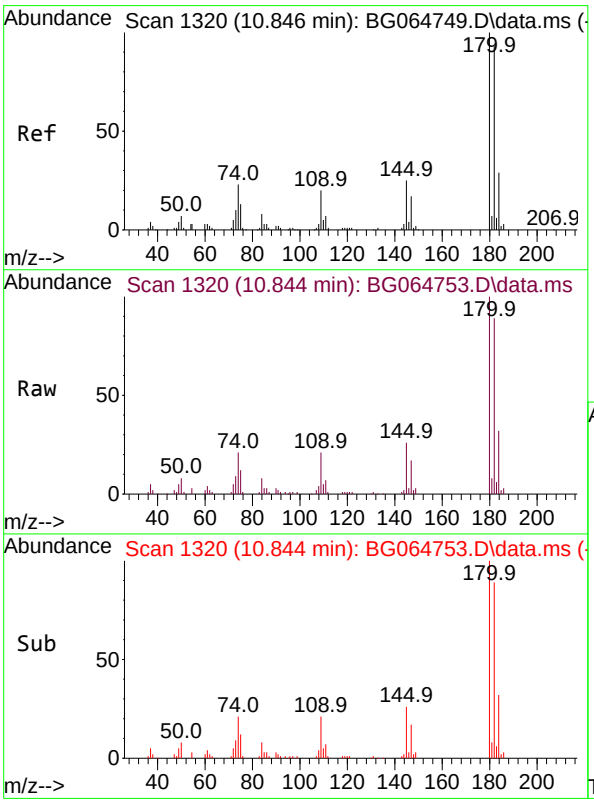
Ion	Ratio	Lower	Upper
162	100		
164	63.9	46.0	86.0
98	31.4	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

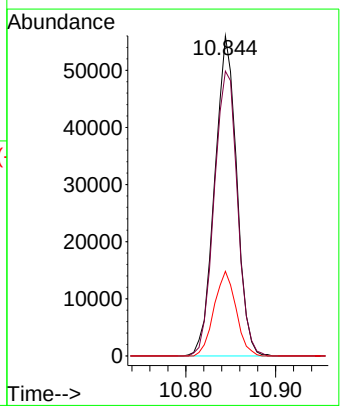
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

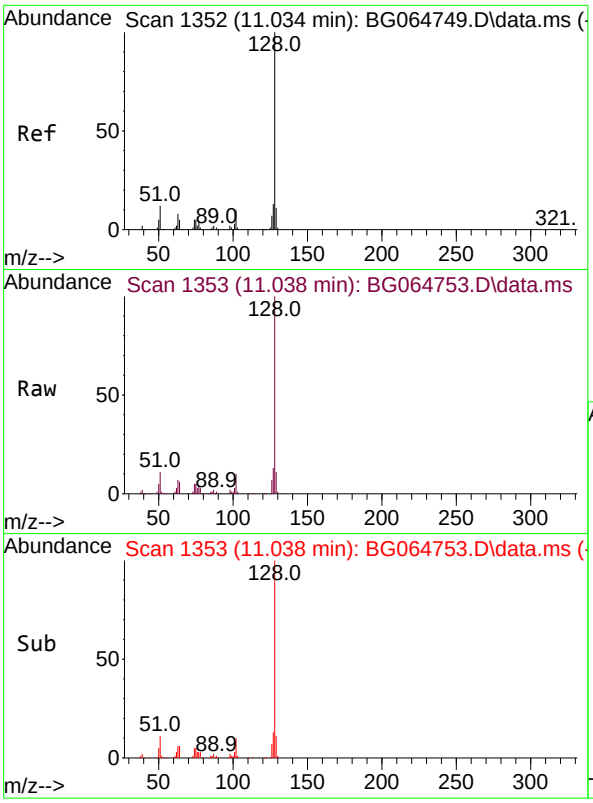


#30
1,2,4-Trichlorobenzene
Concen: 33.988 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:180 Resp: 95519

Ion	Ratio	Lower	Upper
180	100		
182	89.0	74.2	111.4
145	26.4	20.0	30.0

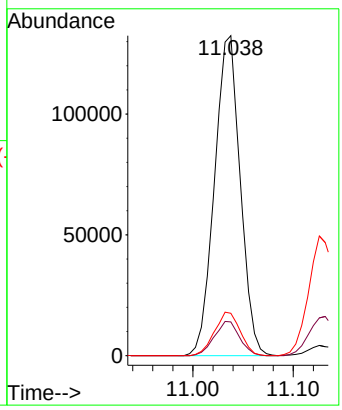




#31
Naphthalene
Concen: 31.383 ng
RT: 11.038 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:128 Resp: 23616

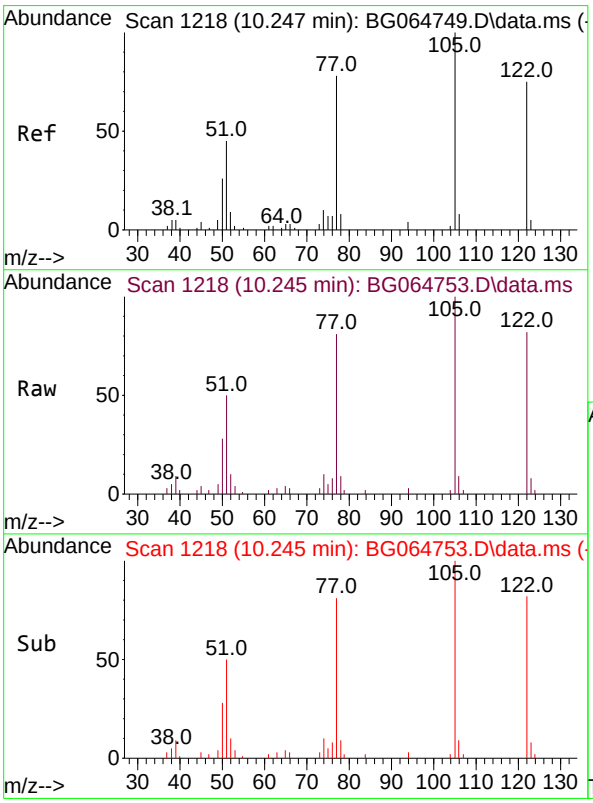
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.2	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

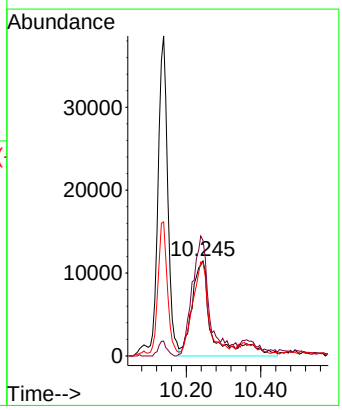
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

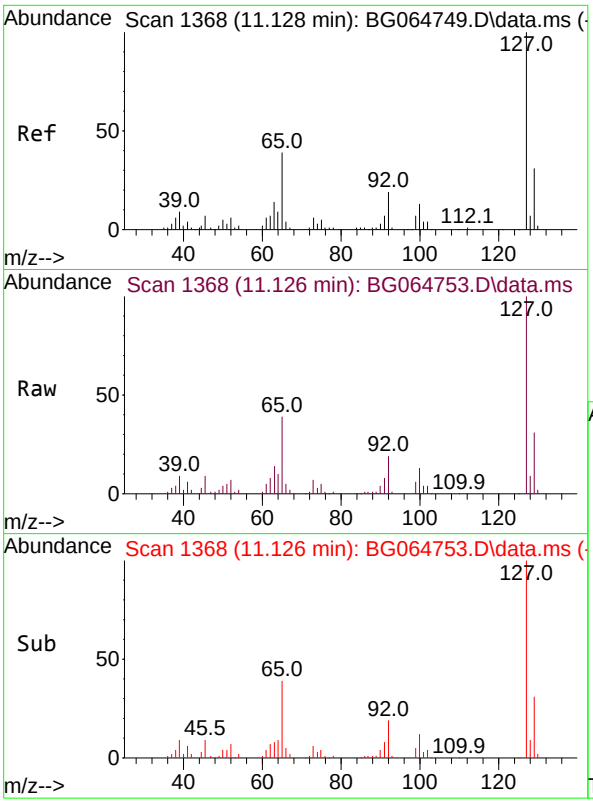


#32
Benzoic acid
Concen: 30.681 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:122 Resp: 43241

Ion	Ratio	Lower	Upper
122	100		
105	121.7	107.6	147.6
77	98.4	82.5	122.5

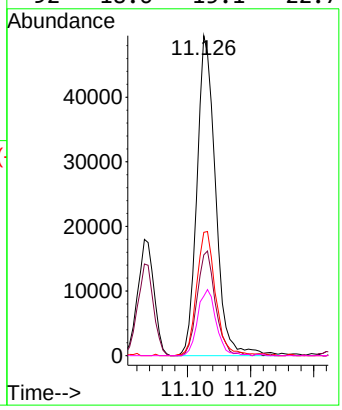




#33
4-Chloroaniline
Concen: 33.639 ng
RT: 11.126 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:127 Resp: 10126

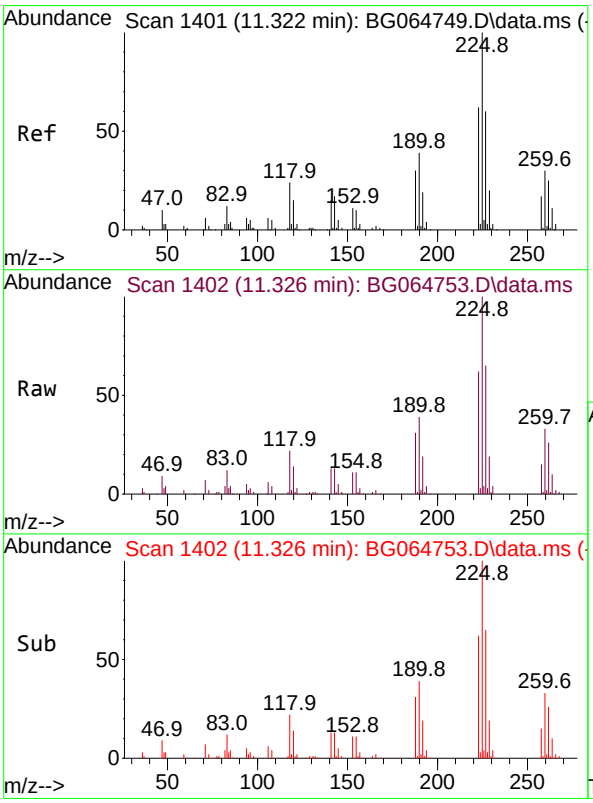
Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.9	37.3
65	38.5	30.9	46.3
92	18.6	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

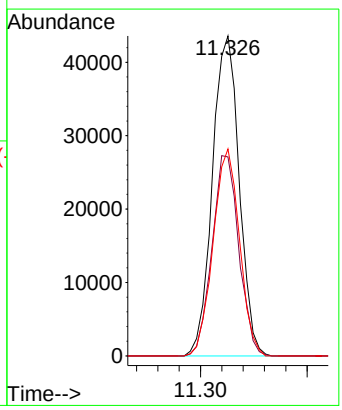
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

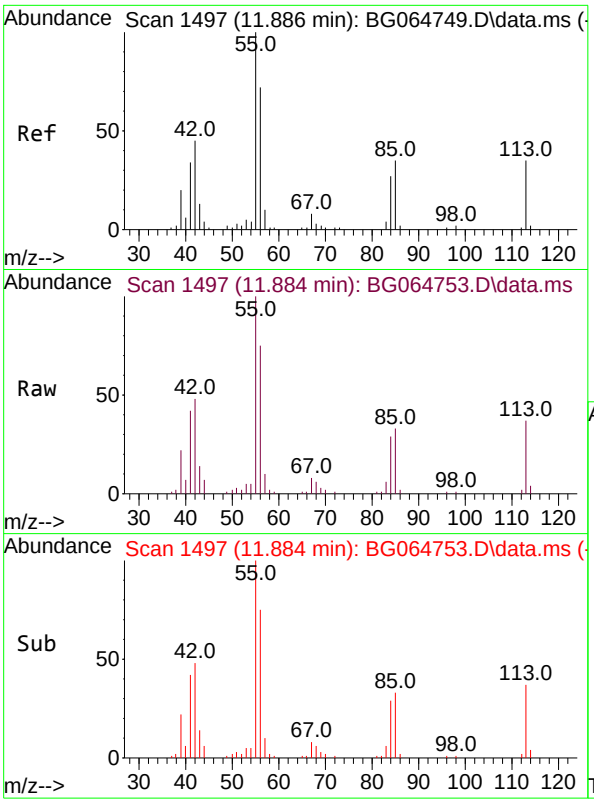


#34
Hexachlorobutadiene
Concen: 31.513 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:225 Resp: 75988

Ion	Ratio	Lower	Upper
225	100		
223	59.6	49.9	74.9
227	62.0	50.6	75.8

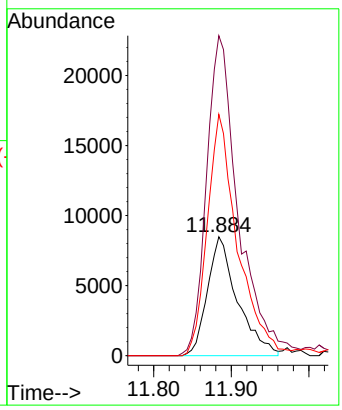




#35
Caprolactam
Concen: 32.854 ng
RT: 11.884 min Scan# 14
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:113 Resp: 2287

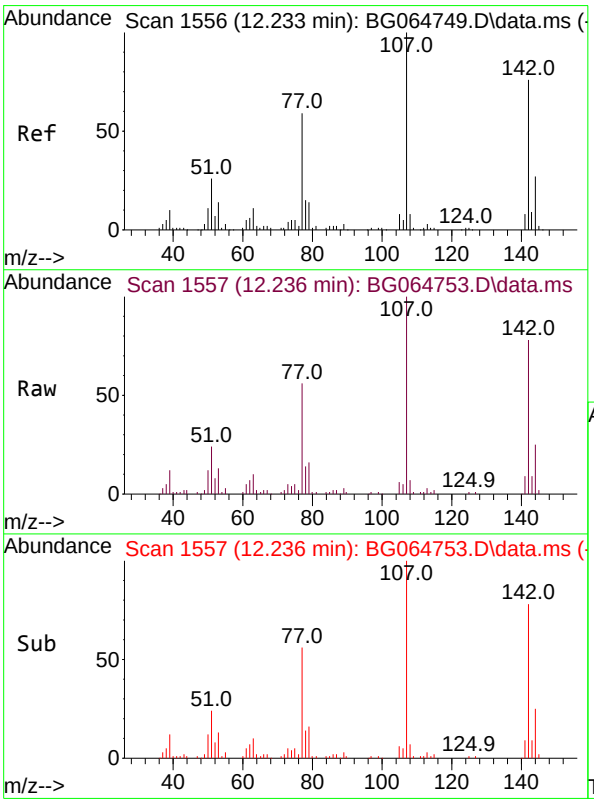
Ion	Ratio	Lower	Upper
113	100		
55	269.5	263.7	303.7
56	203.1	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

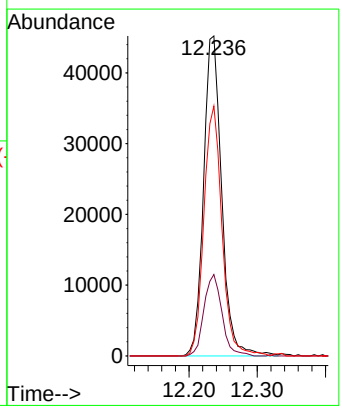
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

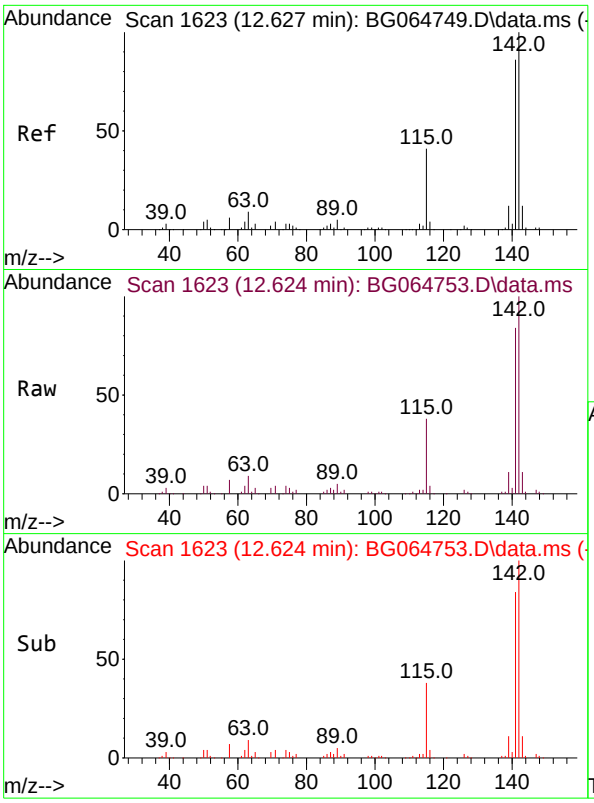


#36
4-Chloro-3-methylphenol
Concen: 32.195 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 83400

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.7	32.5
142	78.1	60.8	91.2

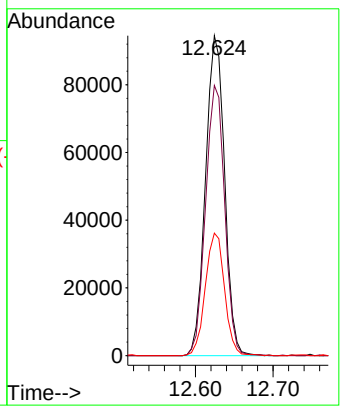




#37
2-Methylnaphthalene
Concen: 28.612 ng
RT: 12.624 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:142 Resp: 16112

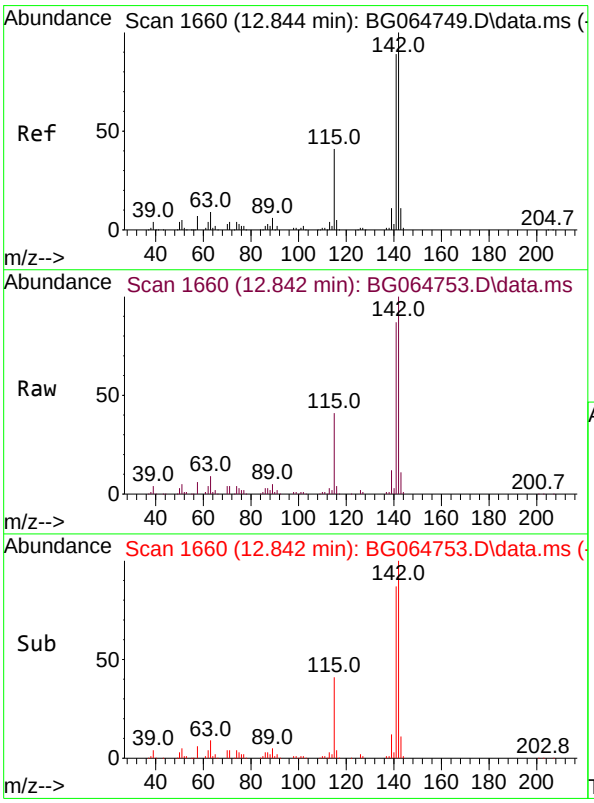
Ion	Ratio	Lower	Upper
142	100		
141	84.4	69.1	103.7
115	38.3	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

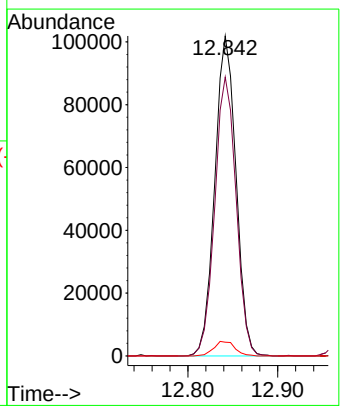
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

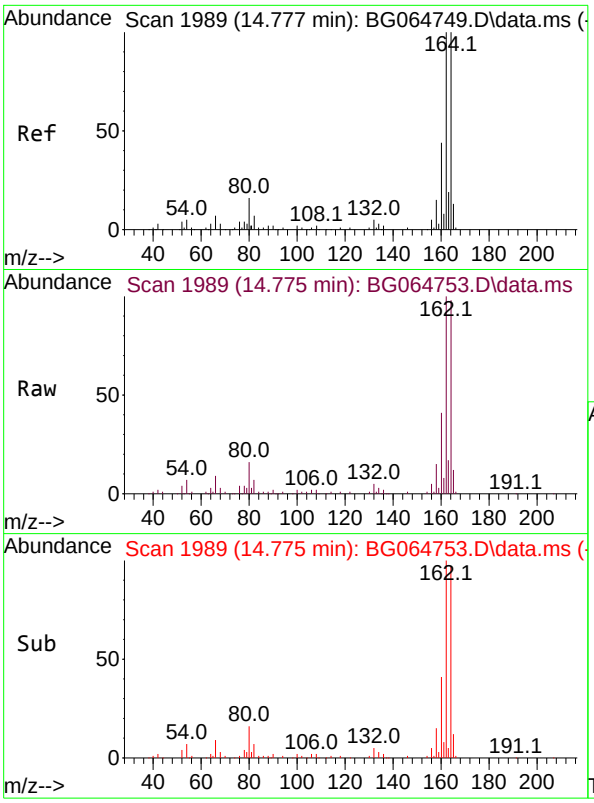


#38
1-Methylnaphthalene
Concen: 30.038 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:142 Resp: 168025

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.8	106.2
116	4.3	3.7	5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

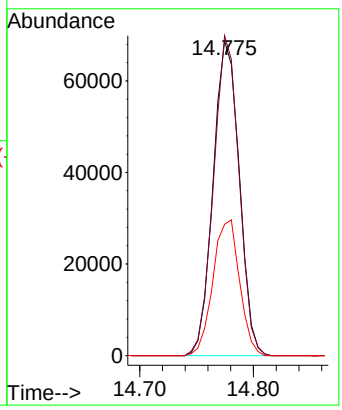
Tgt Ion:164 Resp: 10940

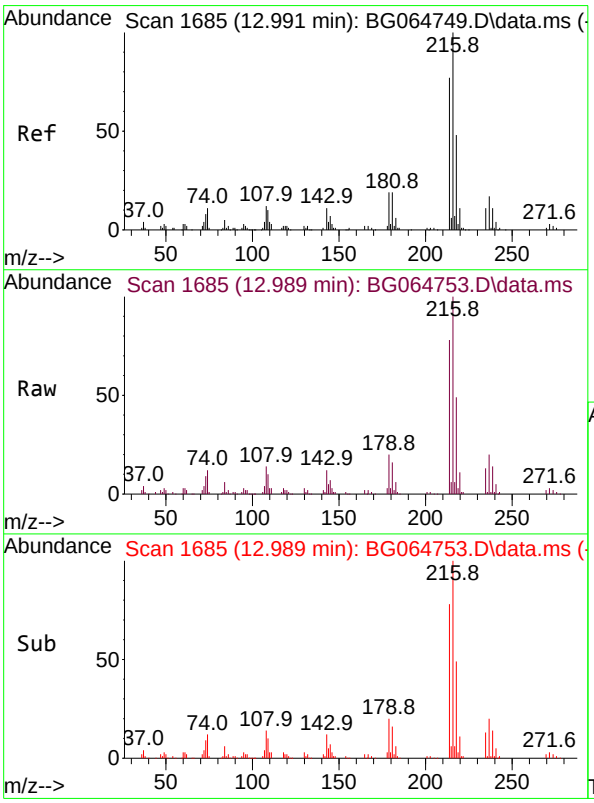
Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.8	119.6
160	41.7	34.9	52.3

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

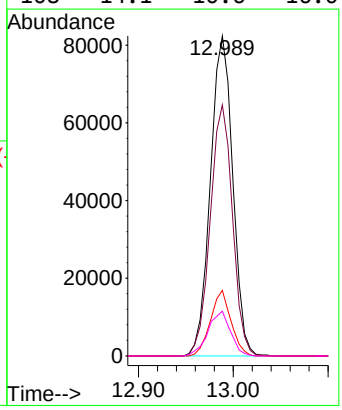


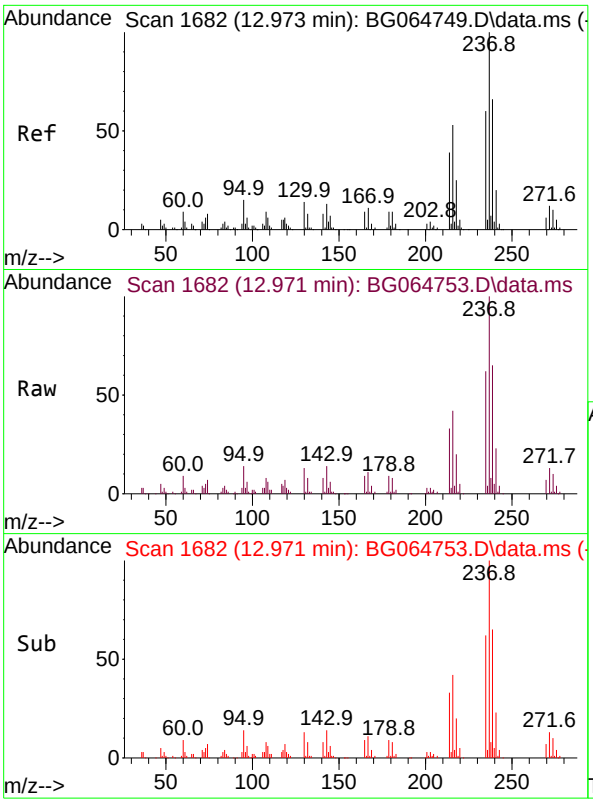


#40
1,2,4,5-Tetrachlorobenzene
Concen: 31.686 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:216 Resp: 134917

Ion	Ratio	Lower	Upper
216	100		
214	77.8	60.5	90.7
179	18.8	14.7	22.1
108	14.1	10.6	16.0

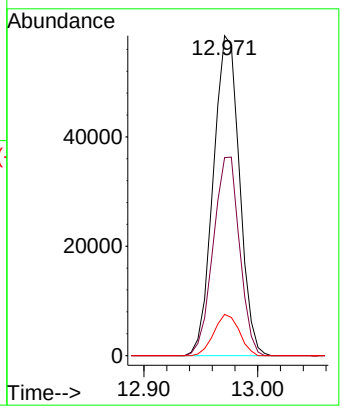




#41
Hexachlorocyclopentadiene
Concen: 30.647 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:237 Resp: 9353

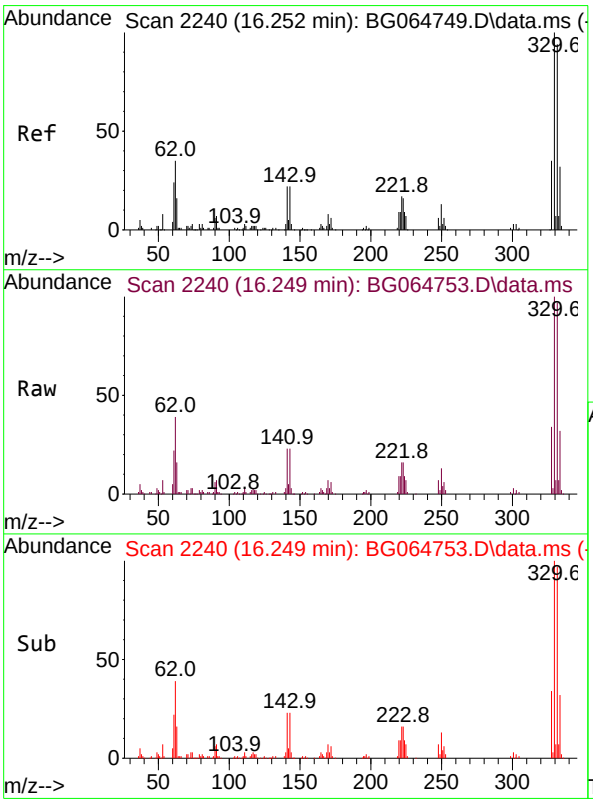
Ion	Ratio	Lower	Upper
237	100		
235	61.9	40.2	80.2
272	12.9	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

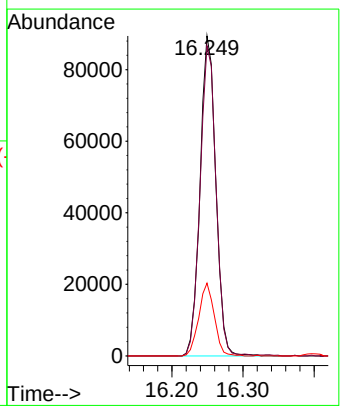
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

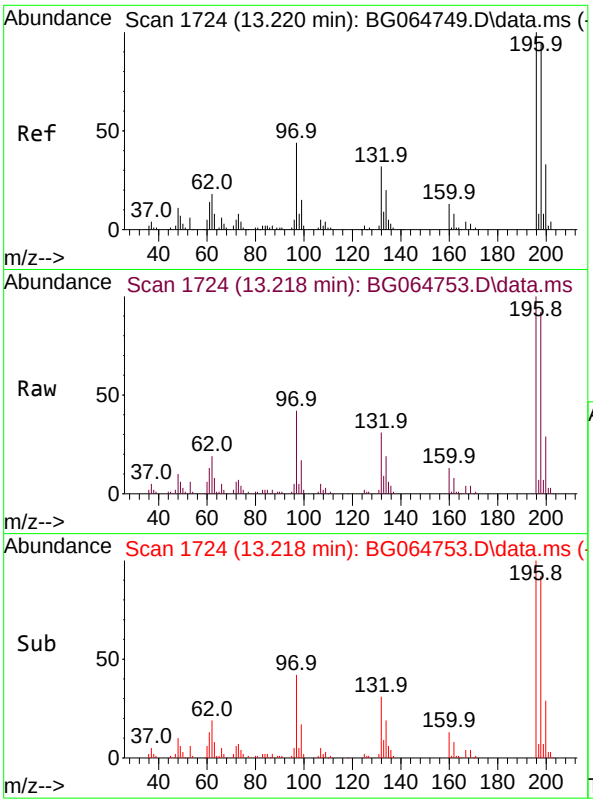


#42
2,4,6-Tribromophenol
Concen: 64.162 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:330 Resp: 136910

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	22.4	18.2	27.2

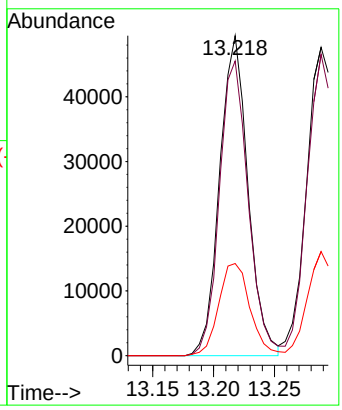




#43
2,4,6-Trichlorophenol
Concen: 32.039 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:196 Resp: 8006

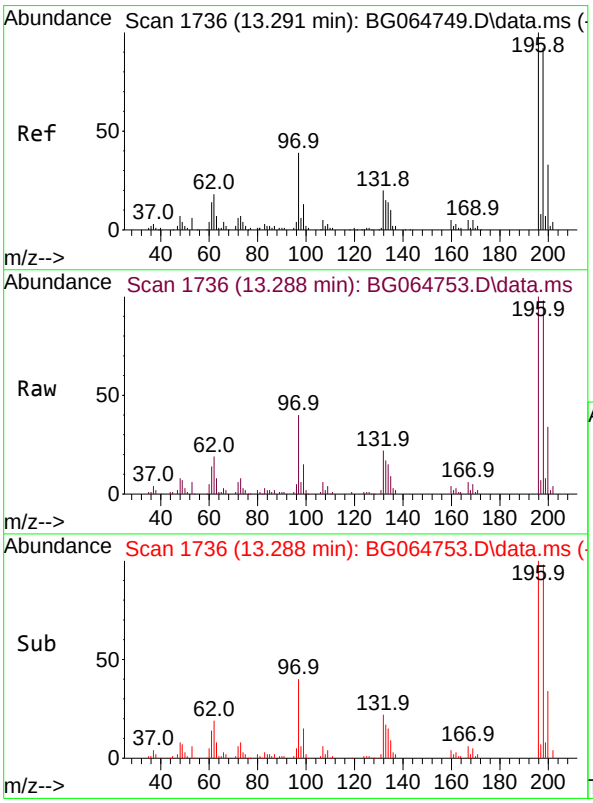
Ion	Ratio	Lower	Upper
196	100		
198	92.1	75.3	112.9
200	28.8	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

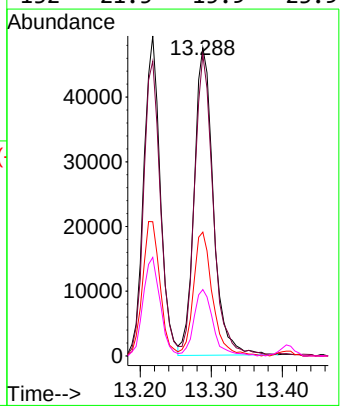
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

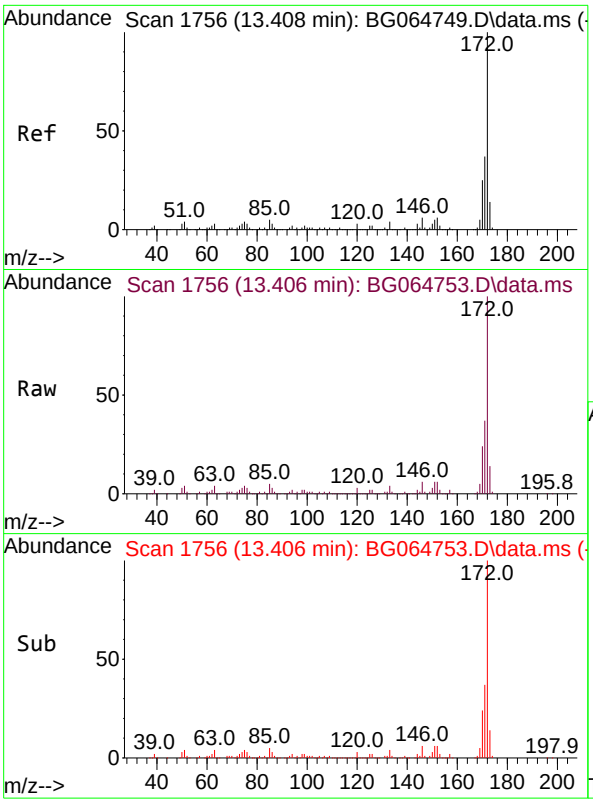


#44
2,4,5-Trichlorophenol
Concen: 31.528 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:196 Resp: 88366

Ion	Ratio	Lower	Upper
196	100		
198	97.7	73.2	109.8
97	40.2	31.4	47.0
132	21.5	15.9	23.9

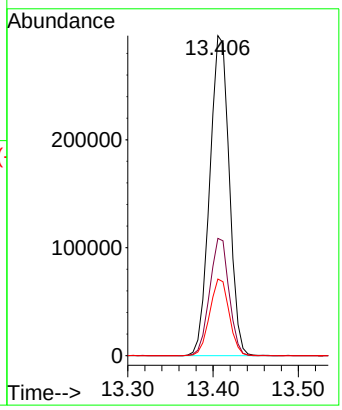




#45
2-Fluorobiphenyl
Concen: 59.990 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:172 Resp: 47038

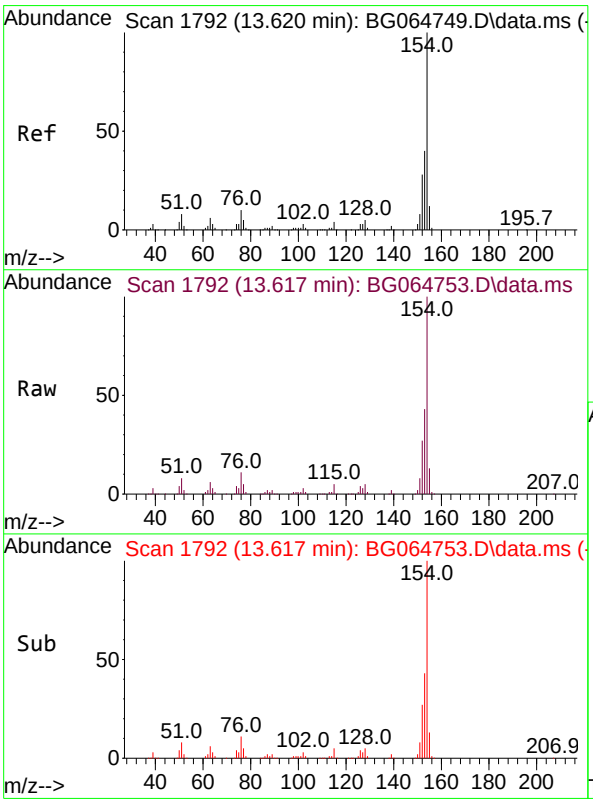
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	23.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

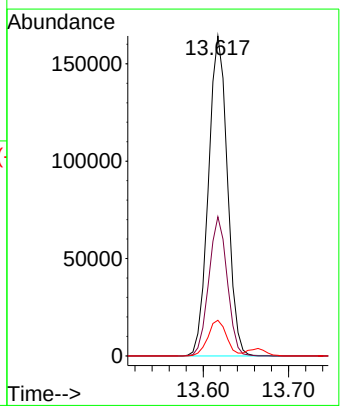
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

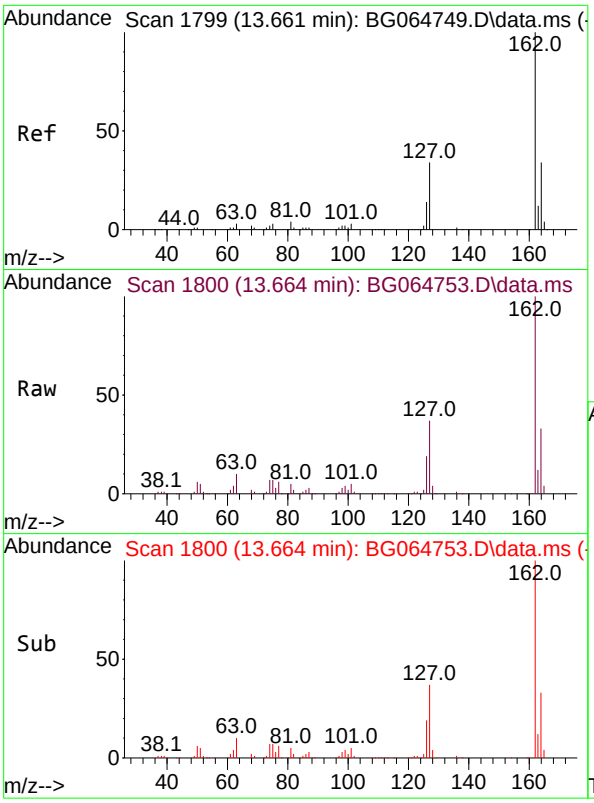


#46
1,1'-Biphenyl
Concen: 32.265 ng
RT: 13.617 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:154 Resp: 253543

Ion	Ratio	Lower	Upper
154	100		
153	43.5	19.8	59.8
76	11.1	0.0	30.0

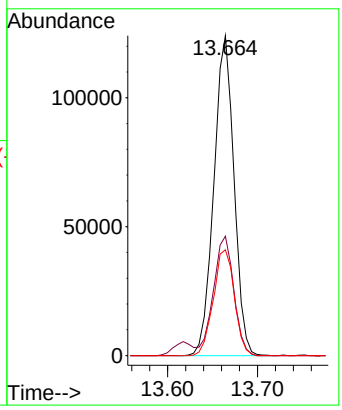




#47
2-Chloronaphthalene
Concen: 31.173 ng
RT: 13.664 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:162 Resp: 192989

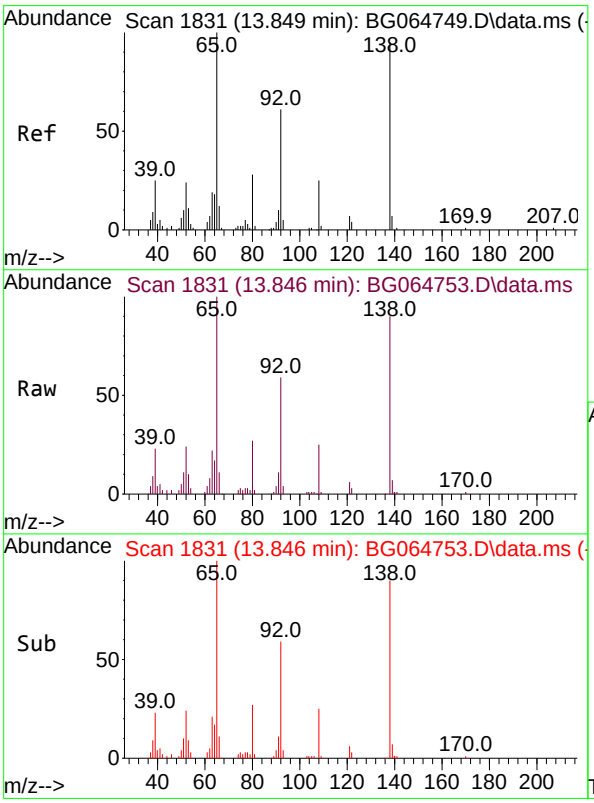
Ion	Ratio	Lower	Upper
162	100		
127	37.4	30.3	45.5
164	33.1	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

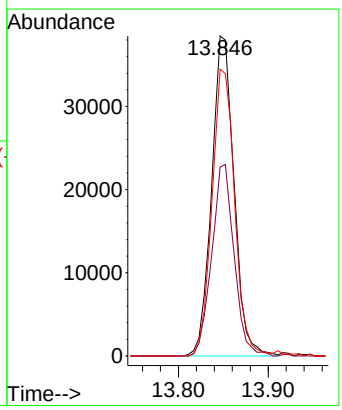
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

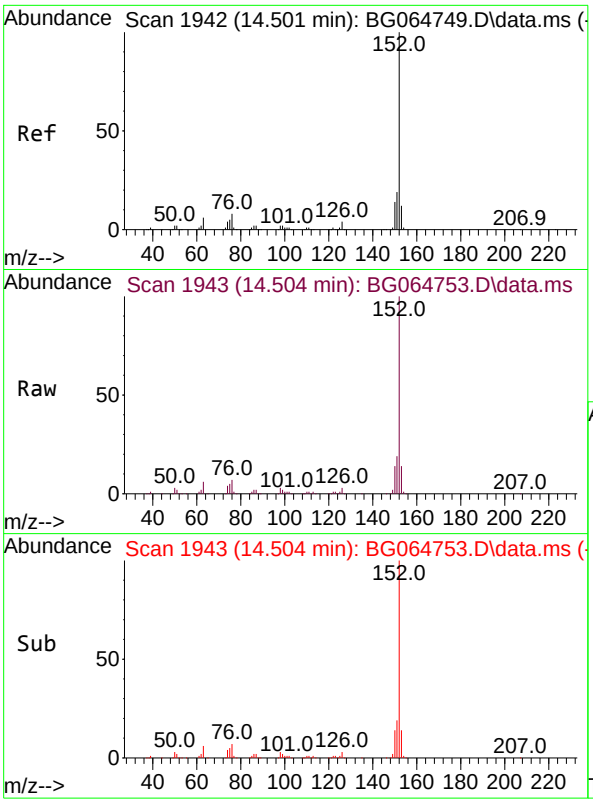


#48
2-Nitroaniline
Concen: 33.514 ng
RT: 13.846 min Scan# 1831
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 65 Resp: 66734

Ion	Ratio	Lower	Upper
65	100		
92	59.0	48.6	73.0
138	89.6	76.4	114.6

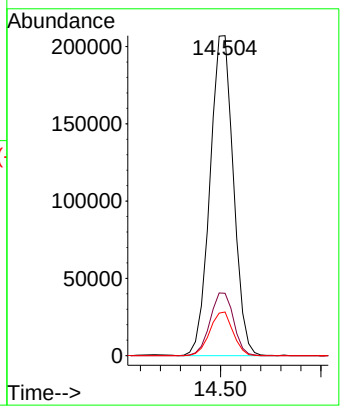




#49
Acenaphthylene
Concen: 31.779 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:152 Resp: 33610

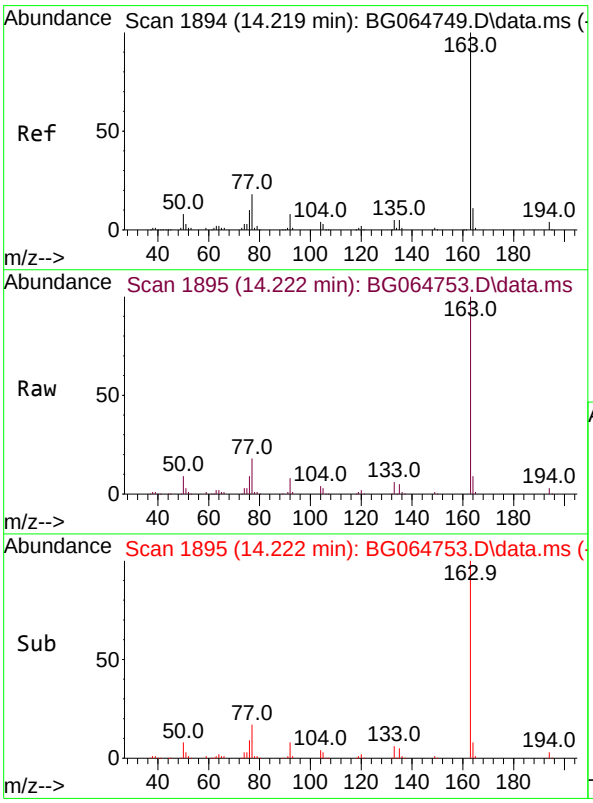
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

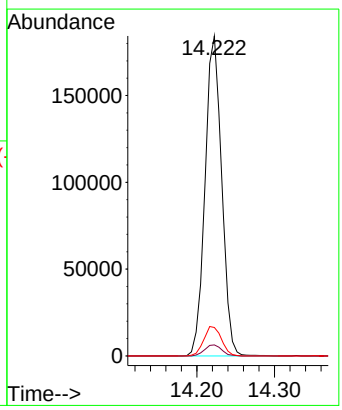
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

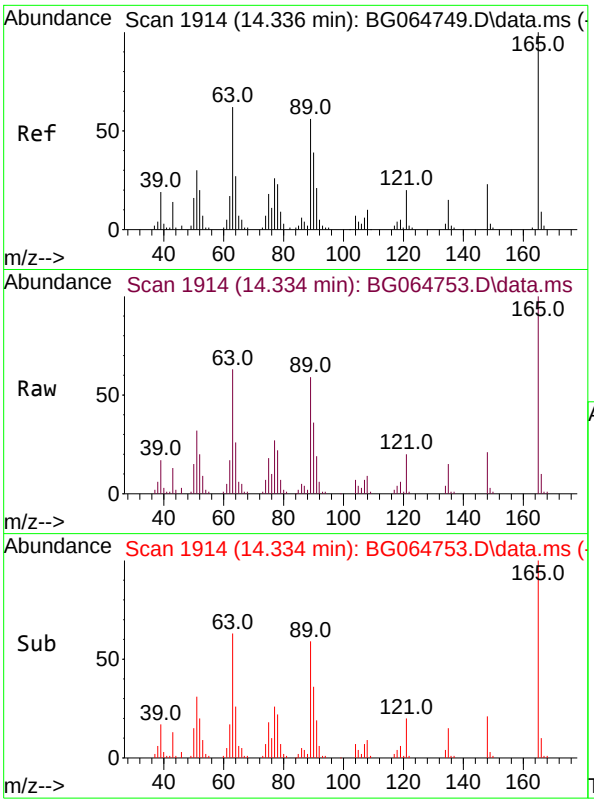


#50
Dimethylphthalate
Concen: 31.689 ng
RT: 14.222 min Scan# 1895
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:163 Resp: 273873

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	8.9	8.6	12.8

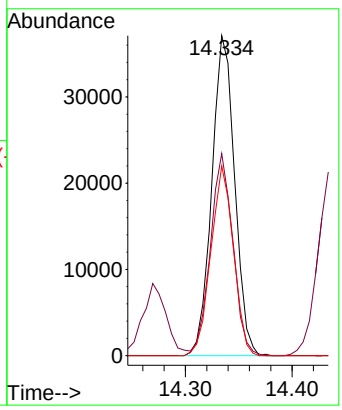




#51
2,6-Dinitrotoluene
Concen: 33.291 ng
RT: 14.334 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:165 Resp: 5536

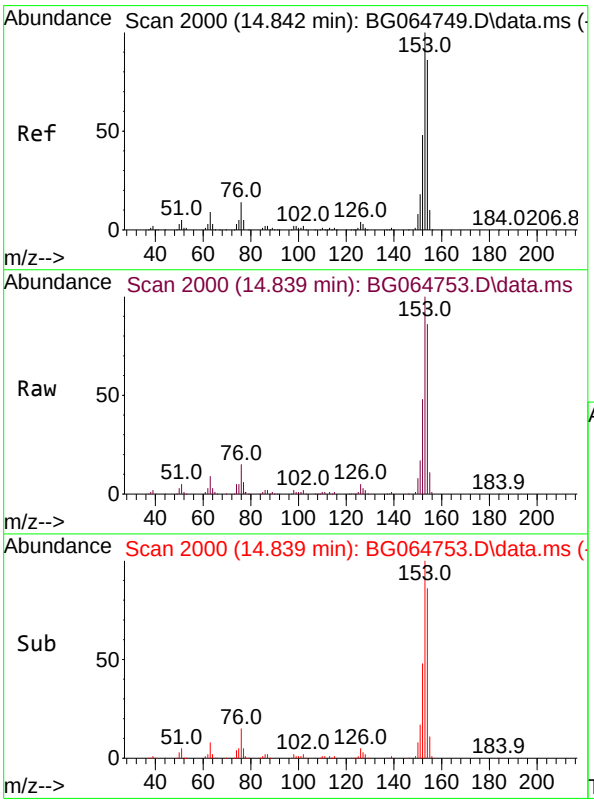
Ion	Ratio	Lower	Upper
165	100		
63	63.1	49.8	74.8
89	59.3	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

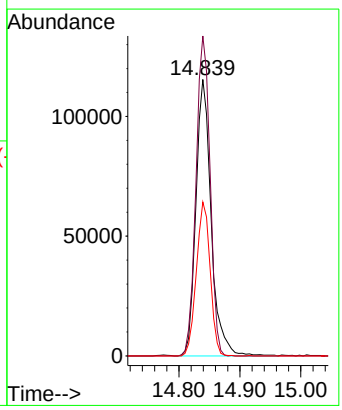
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

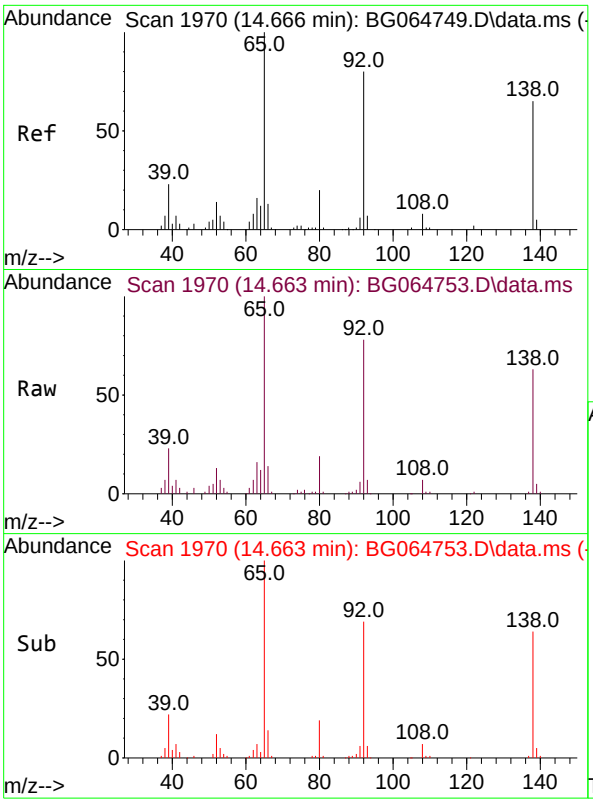


#52
Acenaphthene
Concen: 31.693 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:154 Resp: 200981

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.0	139.4
152	55.6	44.4	66.6





#53
3-Nitroaniline
Concen: 33.908 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

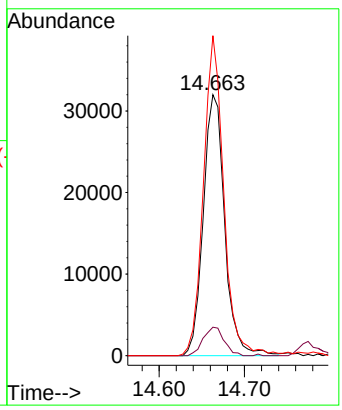
Tgt Ion:138 Resp: 5565

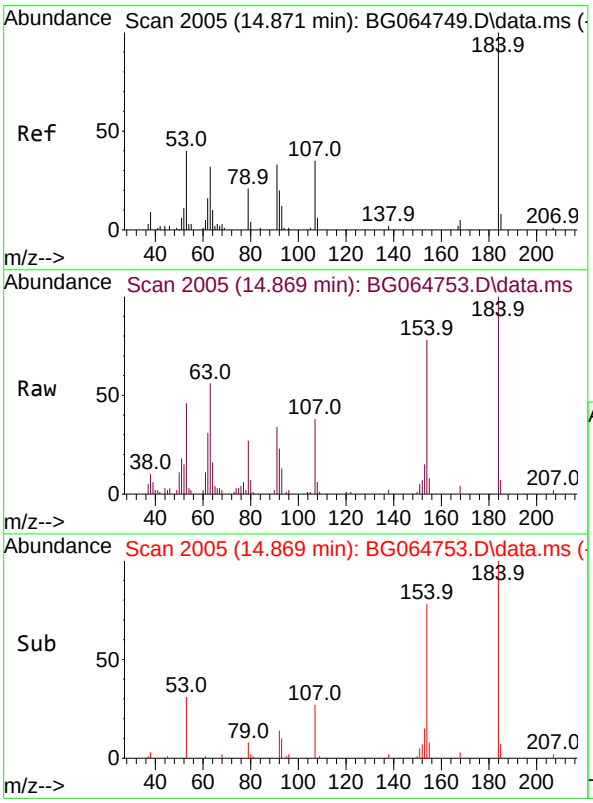
Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.5	14.3
92	122.7	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

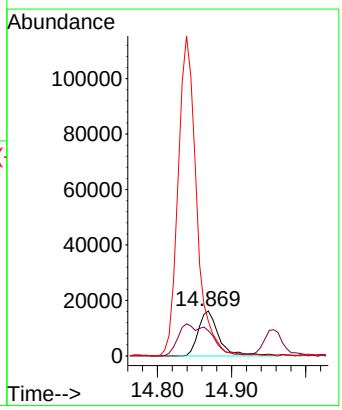


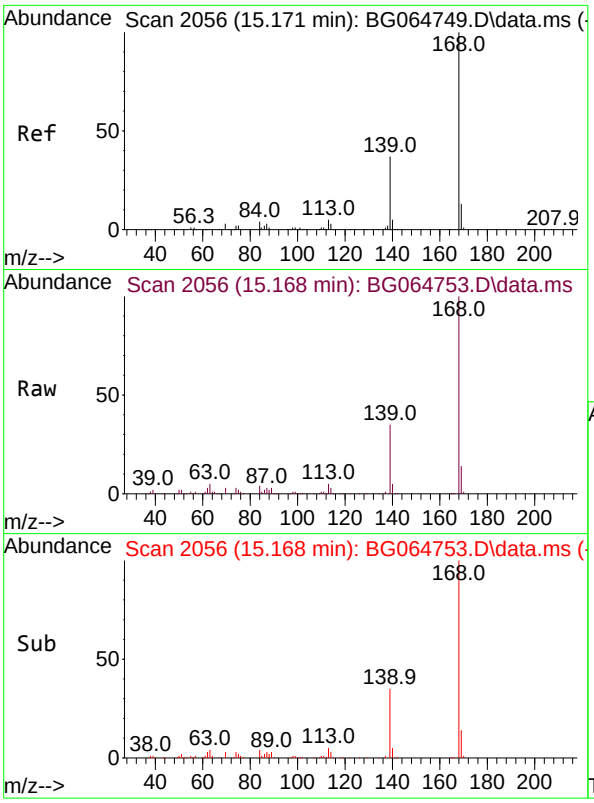


#54
2,4-Dinitrophenol
Concen: 32.871 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:184 Resp: 30993

Ion	Ratio	Lower	Upper
184	100		
63	56.3	45.8	68.6
154	77.9	52.6	78.8

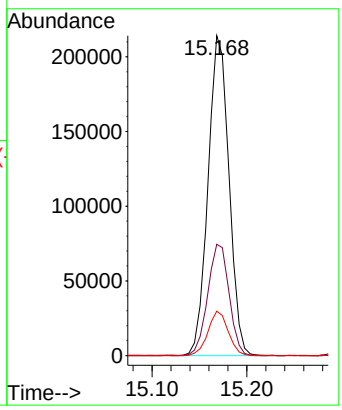




#55
Dibenzofuran
Concen: 31.341 ng
RT: 15.168 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:168 Resp: 32857

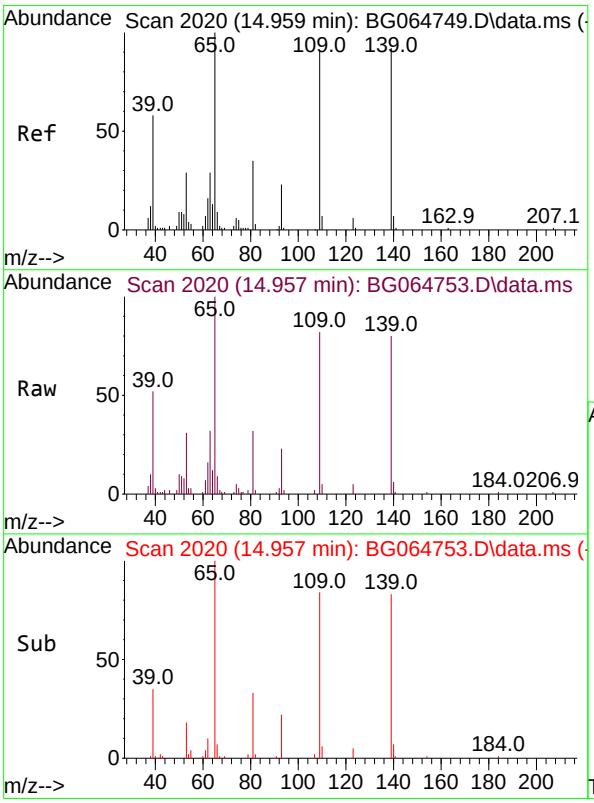
Ion	Ratio	Lower	Upper
168	100		
139	34.8	29.5	44.3
169	13.9	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

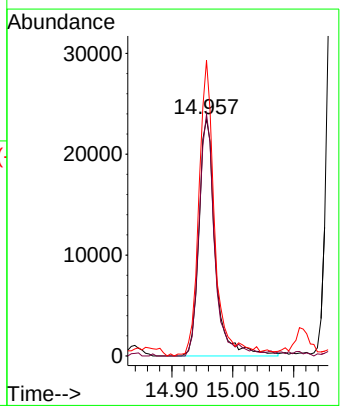
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

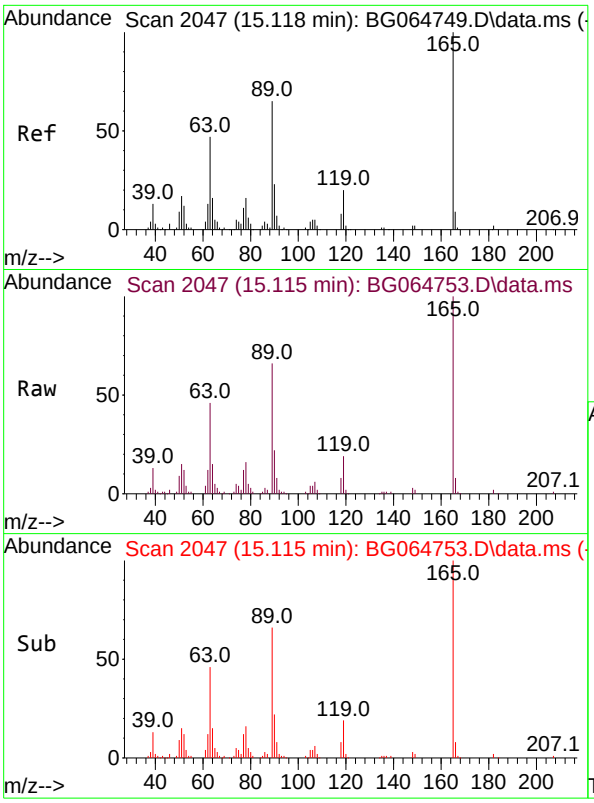


#56
4-Nitrophenol
Concen: 33.387 ng
RT: 14.957 min Scan# 2020
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:139 Resp: 43480

Ion	Ratio	Lower	Upper
139	100		
109	102.0	79.7	119.7
65	124.7	89.9	129.9

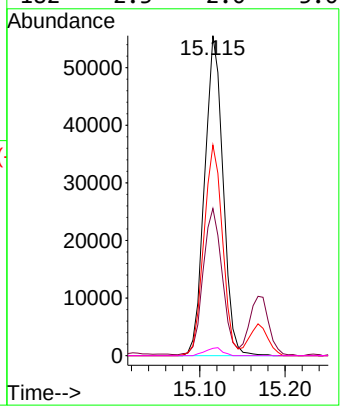




#57
2,4-Dinitrotoluene
Concen: 33.468 ng
RT: 15.115 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:165 Resp: 8344

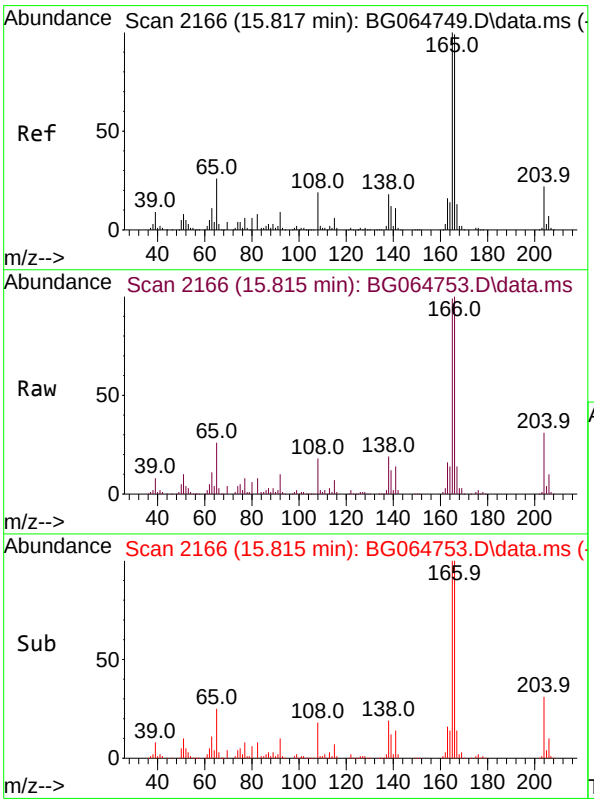
Ion	Ratio	Lower	Upper
165	100		
63	46.0	37.8	56.6
89	65.8	51.6	77.4
182	2.3	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

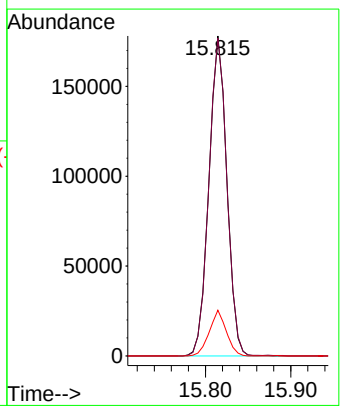
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

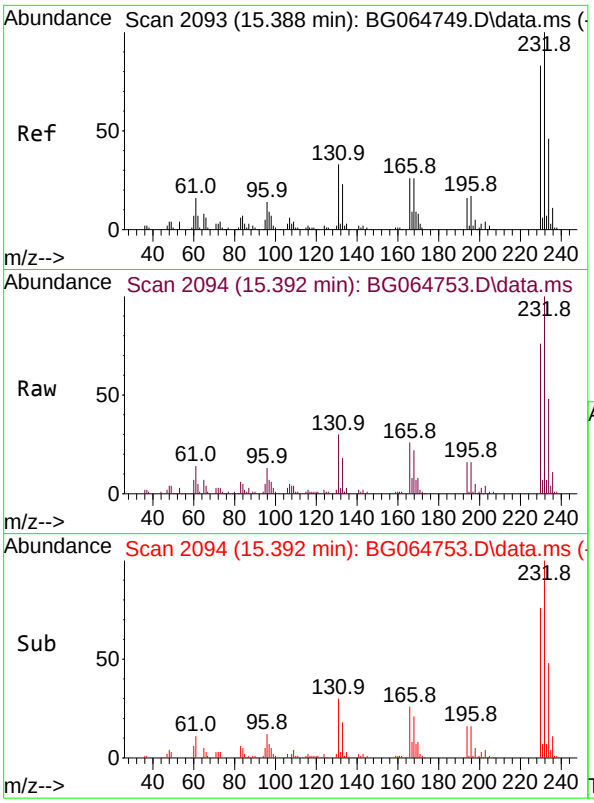


#58
Fluorene
Concen: 31.633 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:166 Resp: 260110

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.5	120.7
167	14.3	10.3	15.5

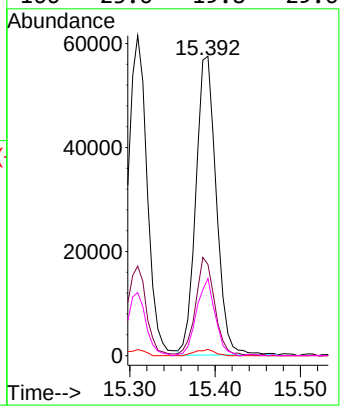




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.475 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:232 Resp: 9533

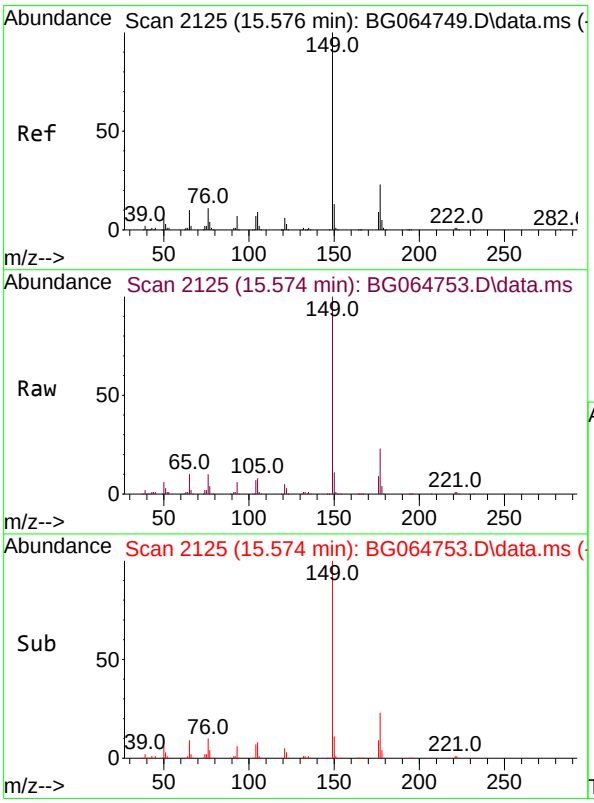
Ion	Ratio	Lower	Upper
232	100		
131	30.9	26.0	39.0
130	1.9	1.6	2.4
166	23.6	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

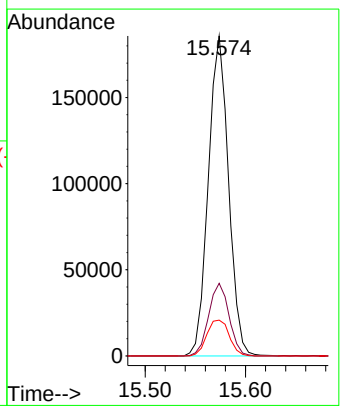
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

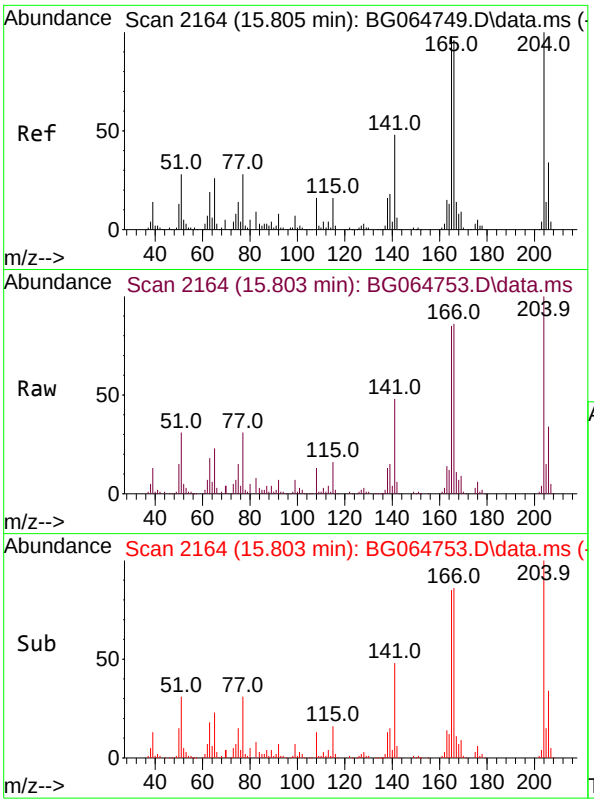


#60
Diethylphthalate
Concen: 31.411 ng
RT: 15.574 min Scan# 2125
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 260062

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	11.2	10.1	15.1

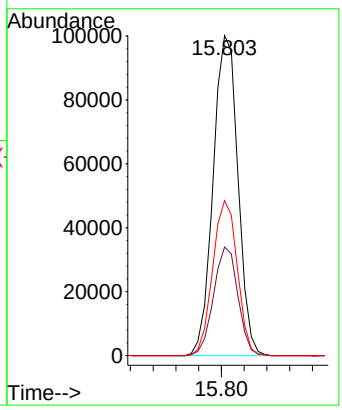




#61
4-Chlorophenyl-phenylether
Concen: 30.654 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:204 Resp: 15126

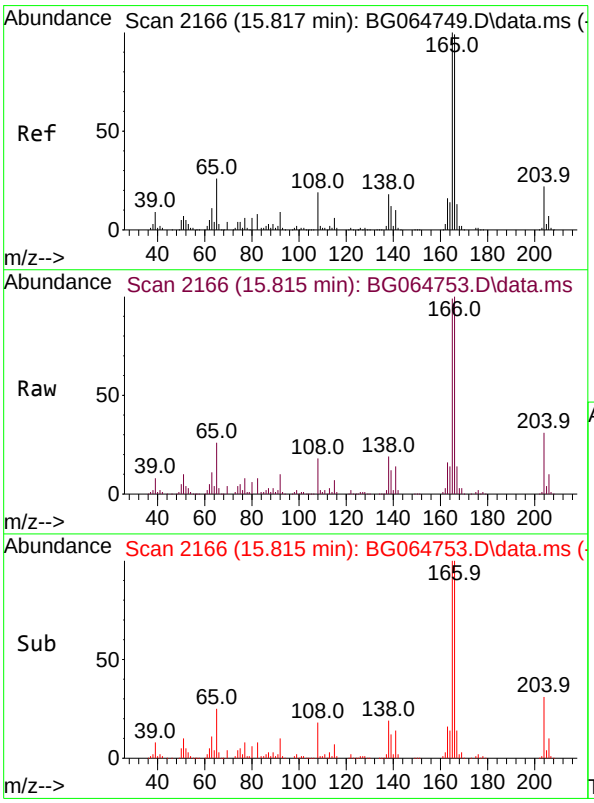
Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.9	40.3
141	48.4	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

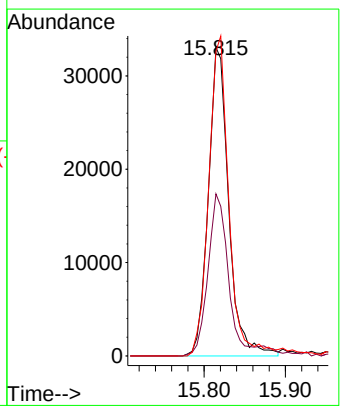
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

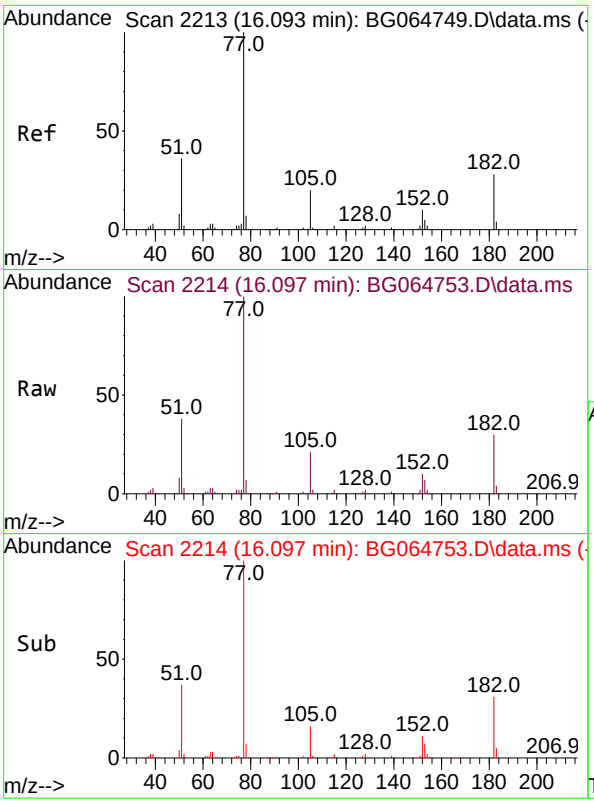


#62
4-Nitroaniline
Concen: 33.761 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:138 Resp: 57409

Ion	Ratio	Lower	Upper
138	100		
92	52.5	30.7	70.7
108	98.7	85.7	125.7

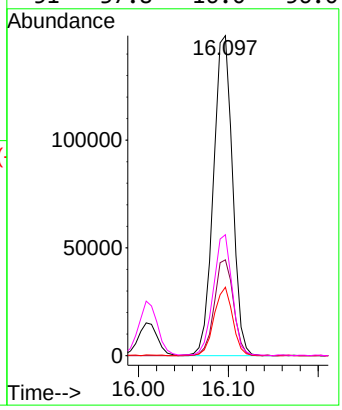




#63
Azobenzene
Concen: 31.929 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 77 Resp: 21987

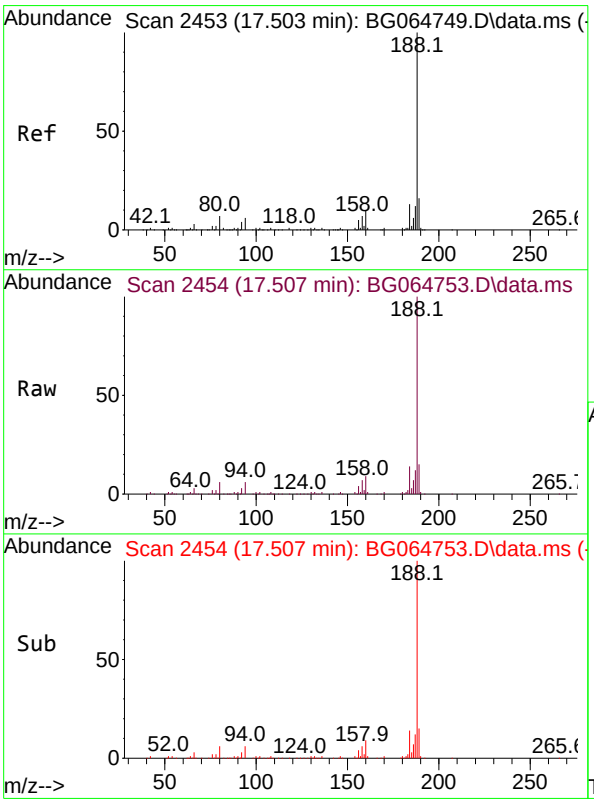
Ion	Ratio	Lower	Upper
77	100		
182	29.9	8.1	48.1
105	21.4	0.1	40.1
51	37.8	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

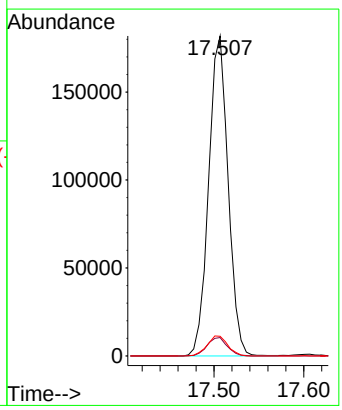
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

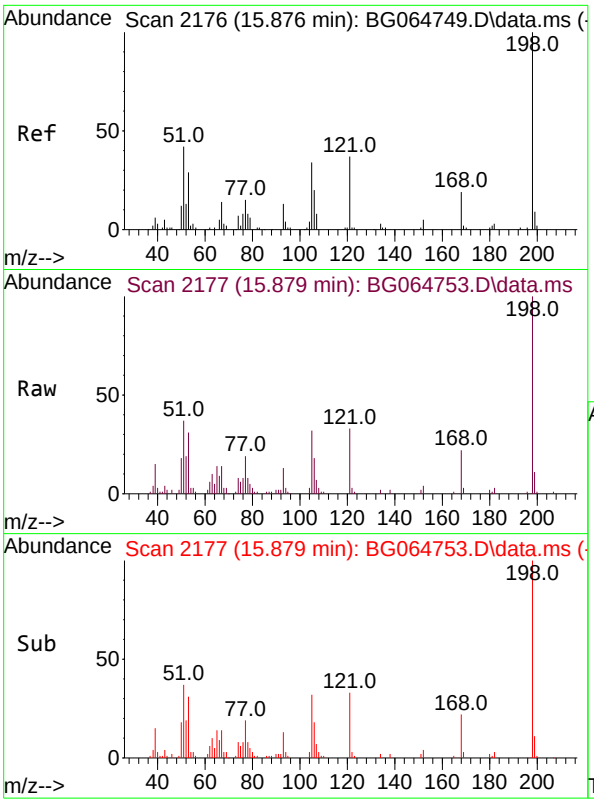


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:188 Resp: 274232

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.1	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 33.928 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

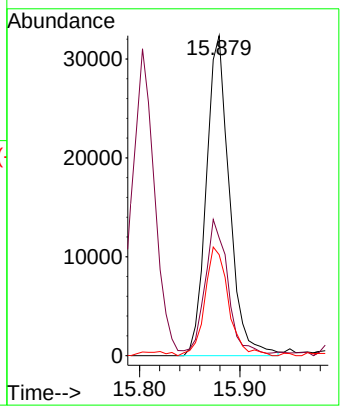
Instrument :
BNA_G
ClientSampleId :
ICVBG111225

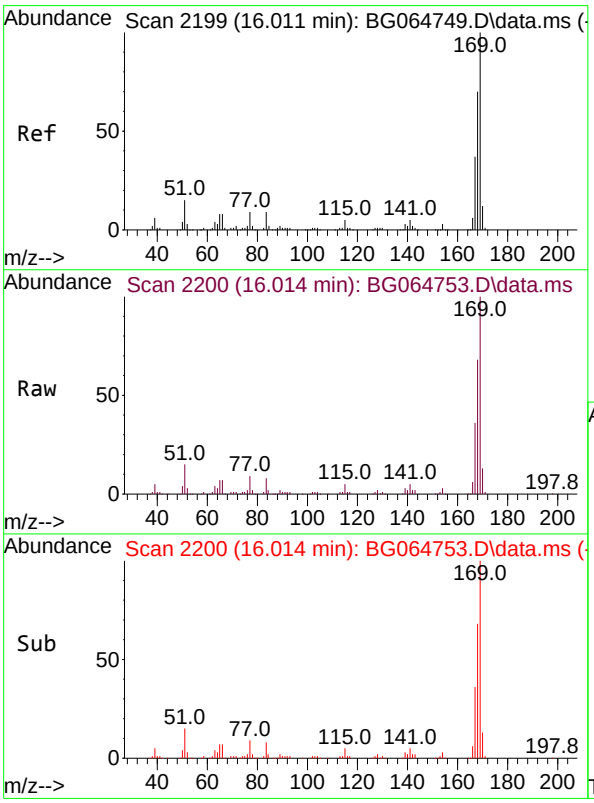
Tgt Ion:198 Resp: 51659

Ion	Ratio	Lower	Upper
198	100		
51	36.8	25.2	65.2
105	31.5	14.2	54.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

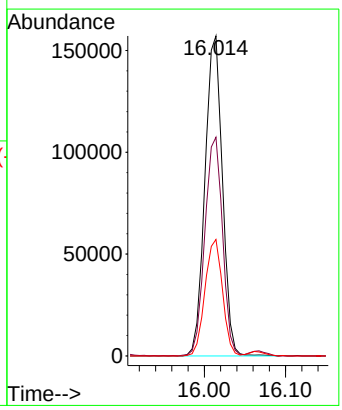


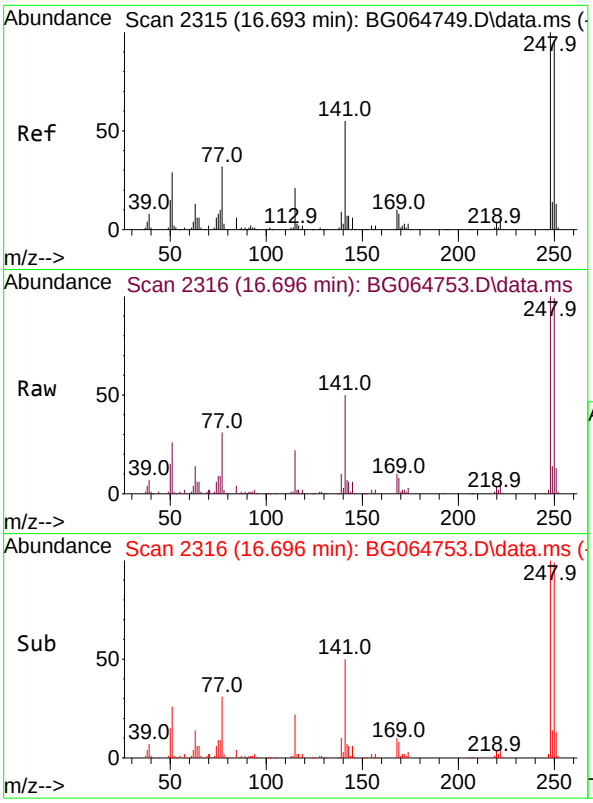


#66
n-Nitrosodiphenylamine
Concen: 32.679 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:169 Resp: 234732

Ion	Ratio	Lower	Upper
169	100		
168	68.3	55.9	83.9
167	36.4	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 31.573 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

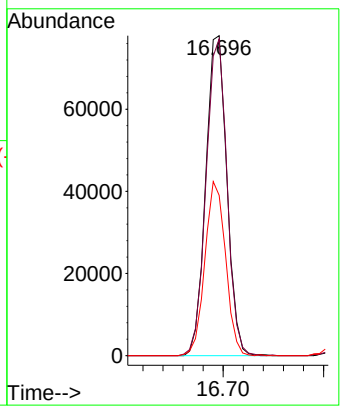
Tgt Ion:248 Resp: 11370

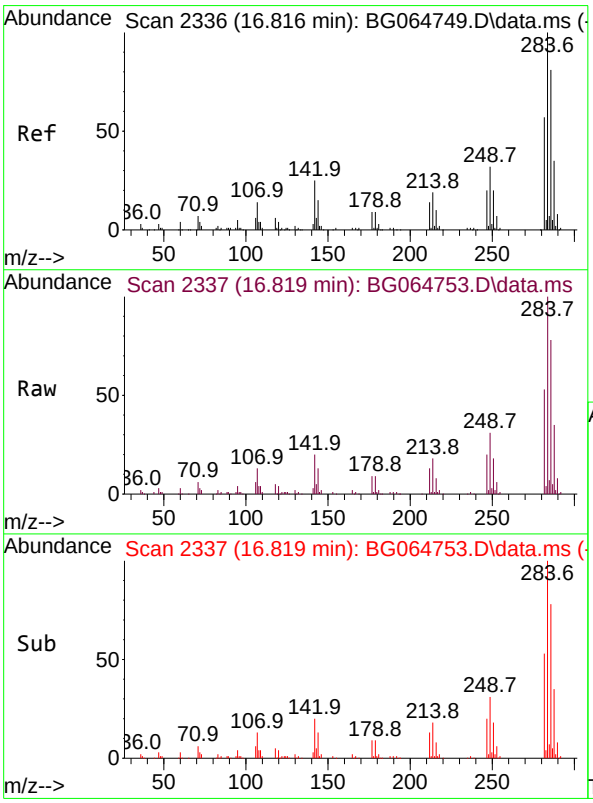
Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.0	115.6
141	50.1	43.7	65.5

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

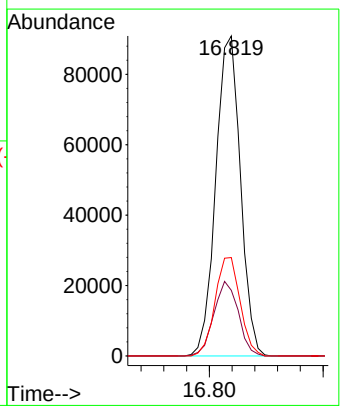


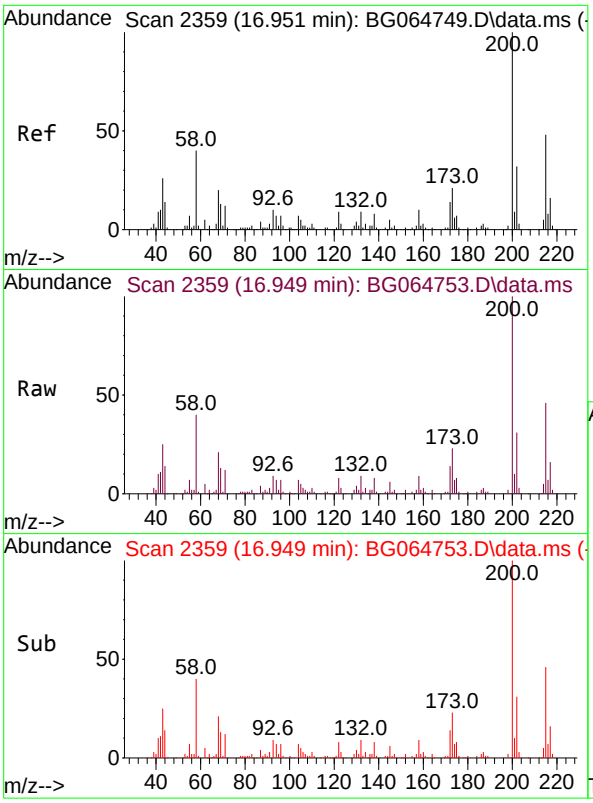


#68
Hexachlorobenzene
Concen: 31.349 ng
RT: 16.819 min Scan# 2337
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:284 Resp: 136782

Ion	Ratio	Lower	Upper
284	100		
142	20.5	19.7	29.5
249	33.5	28.1	42.1

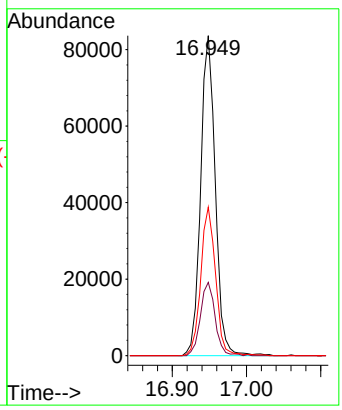




#69
Atrazine
Concen: 33.110 ng
RT: 16.949 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:200 Resp: 11466

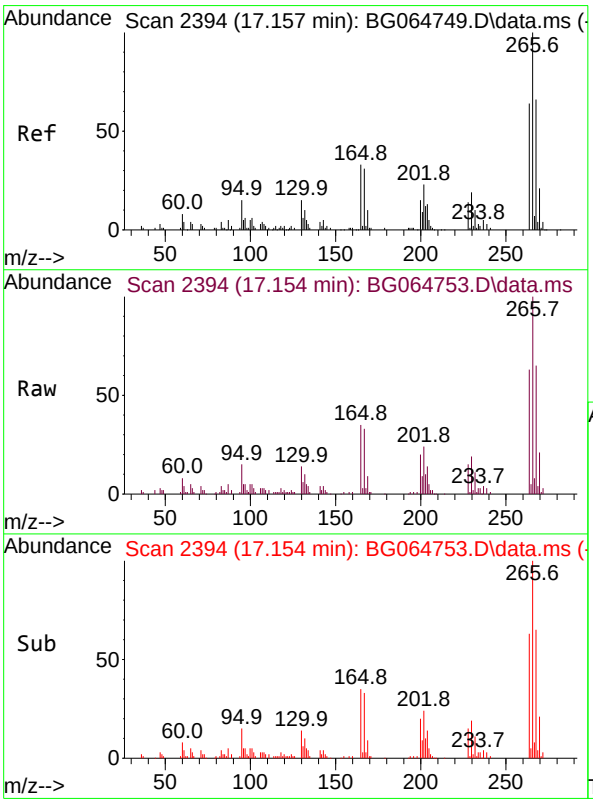
Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	46.4	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

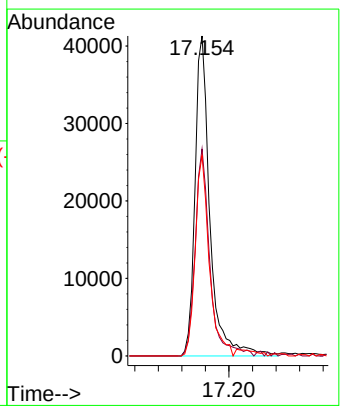
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

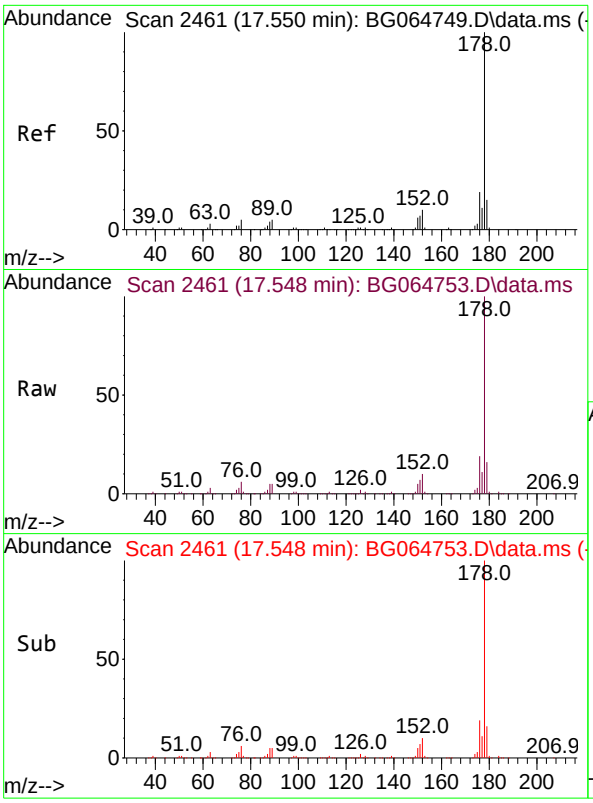


#70
Pentachlorophenol
Concen: 32.137 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:266 Resp: 72699

Ion	Ratio	Lower	Upper
266	100		
268	69.1	56.1	84.1
264	68.1	51.2	76.8

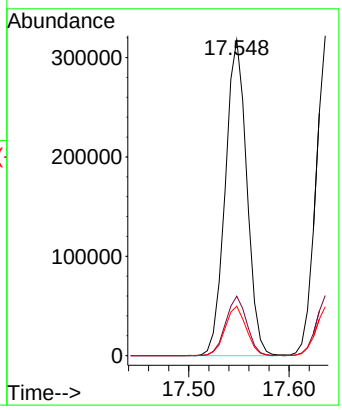




#71
Phenanthrene
Concen: 31.516 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:178 Resp: 47287

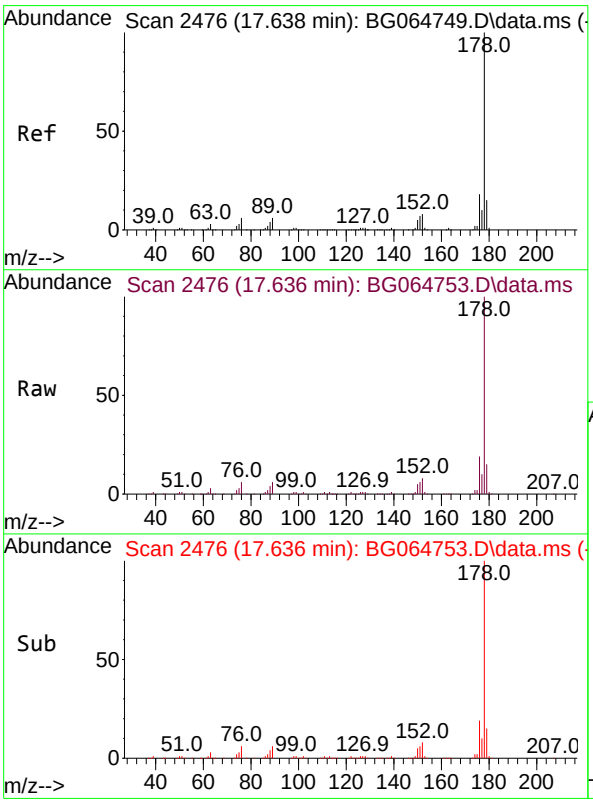
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

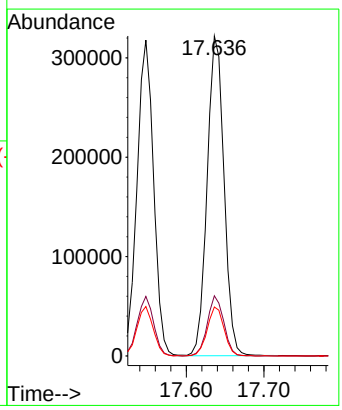
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

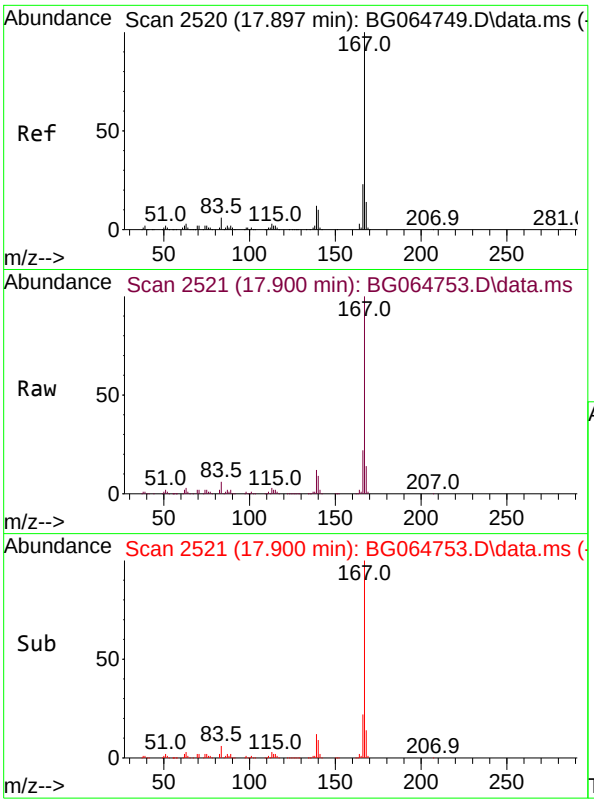


#72
Anthracene
Concen: 31.775 ng
RT: 17.636 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:178 Resp: 486138

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	15.3	12.2	18.4





#73
Carbazole
Concen: 32.779 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

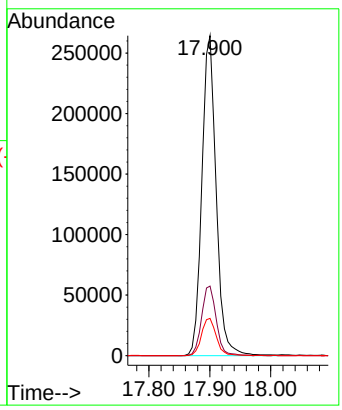
Tgt Ion:167 Resp: 43112

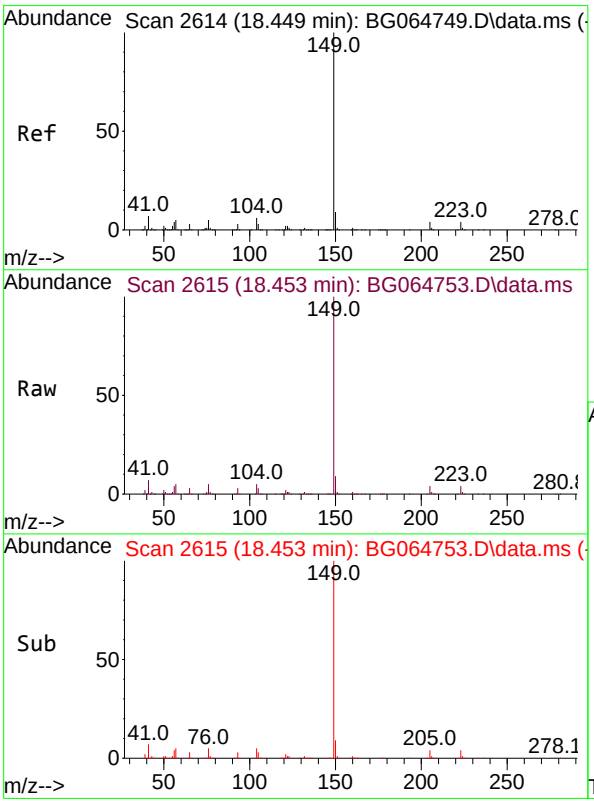
Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.0	27.0
139	11.6	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

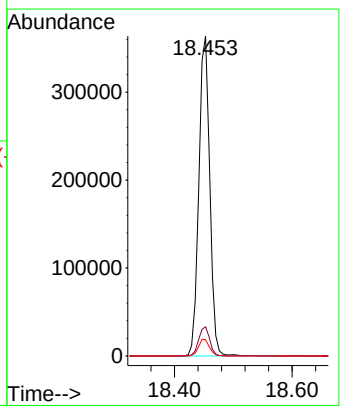


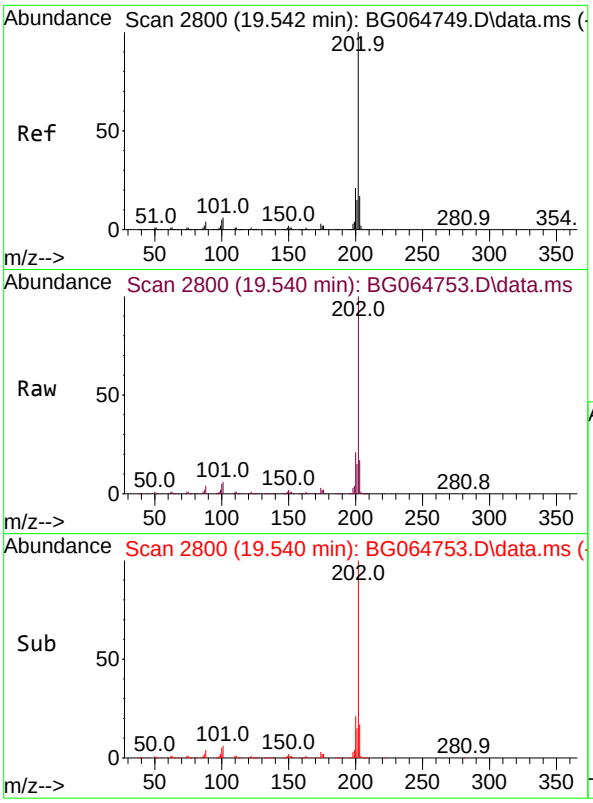


#74
Di-n-butylphthalate
Concen: 31.841 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 467217

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.1	4.4	6.6





#75
Fluoranthene
Concen: 31.649 ng
RT: 19.540 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

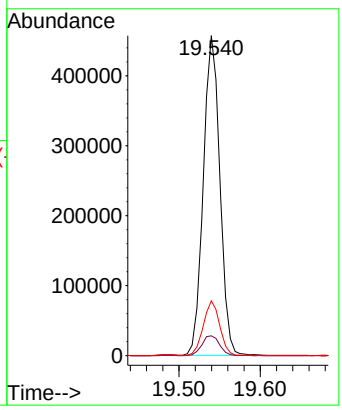
Tgt Ion:202 Resp: 649361

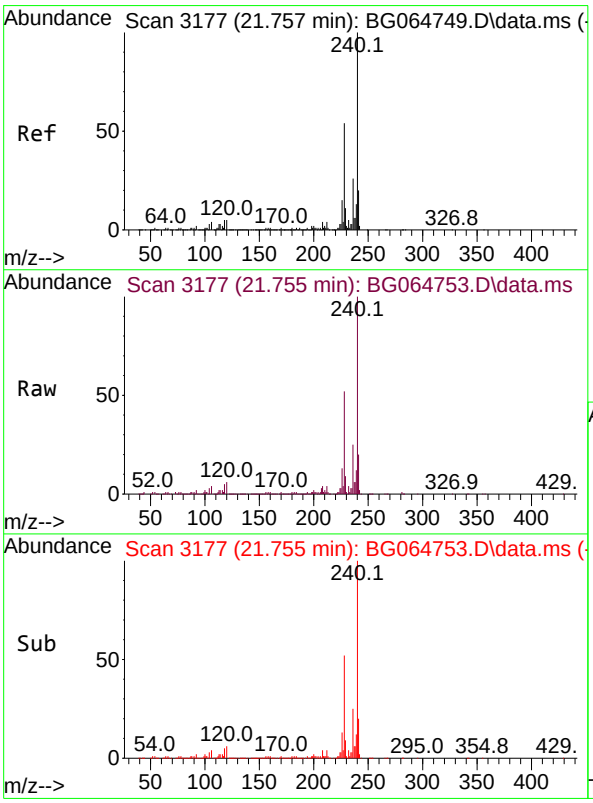
Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	26.4
203	17.2	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

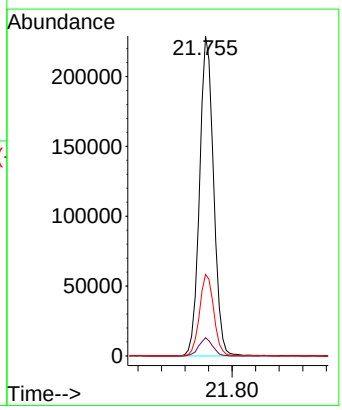


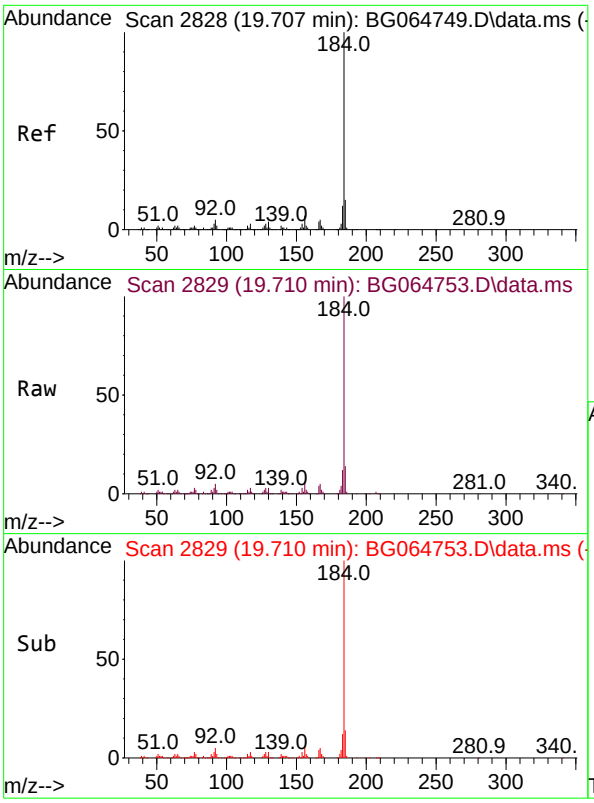


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:240 Resp: 377705

Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.2	6.4
236	25.5	20.8	31.2

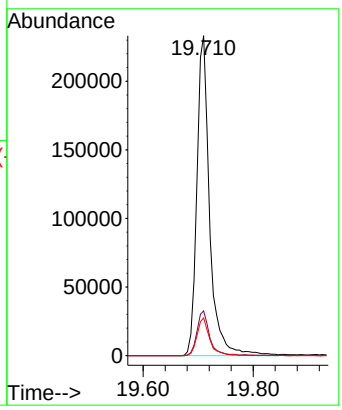




#77
Benzidine
Concen: 33.151 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:184 Resp: 37499

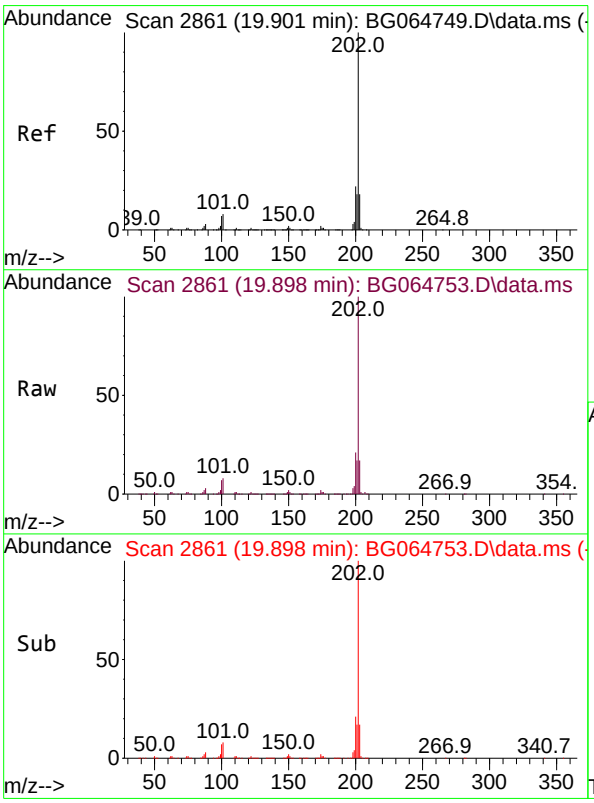
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.8	17.6
183	11.8	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

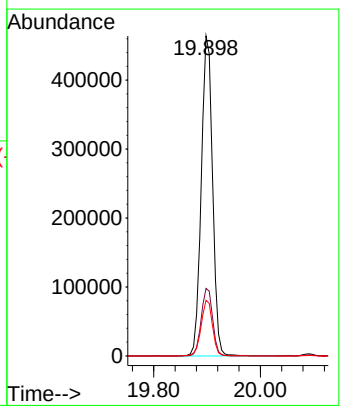
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

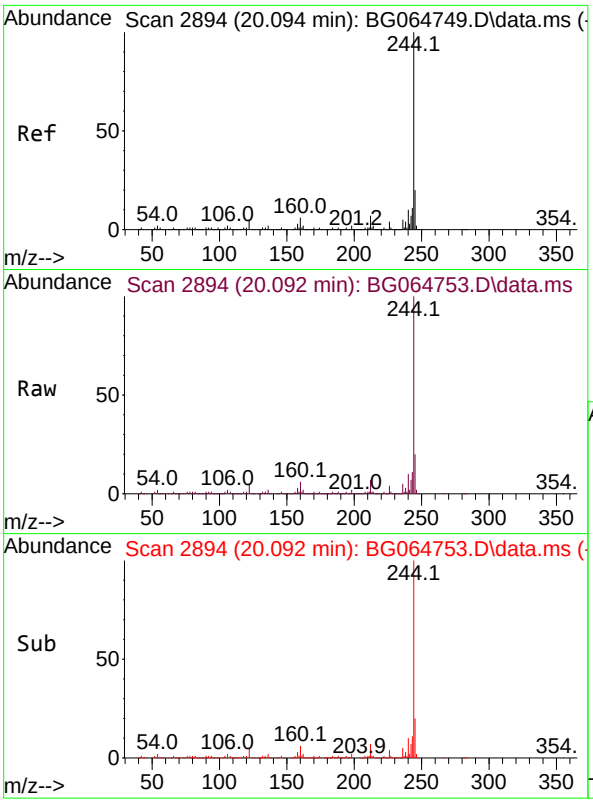


#78
Pyrene
Concen: 32.115 ng
RT: 19.898 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:202 Resp: 679837

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.9	26.9
203	17.4	14.0	21.0

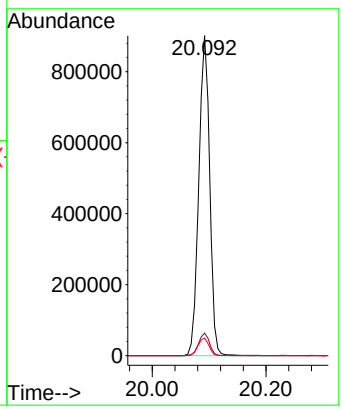




#79
Terphenyl-d14
Concen: 62.068 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:244 Resp: 119178

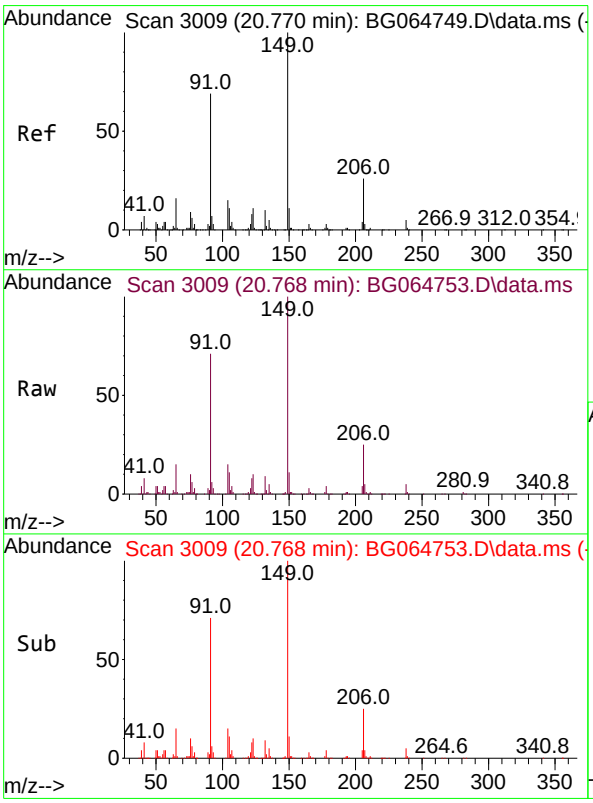
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.5	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

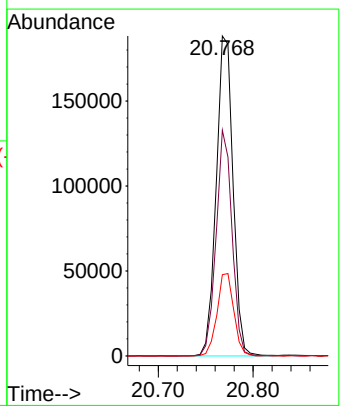
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

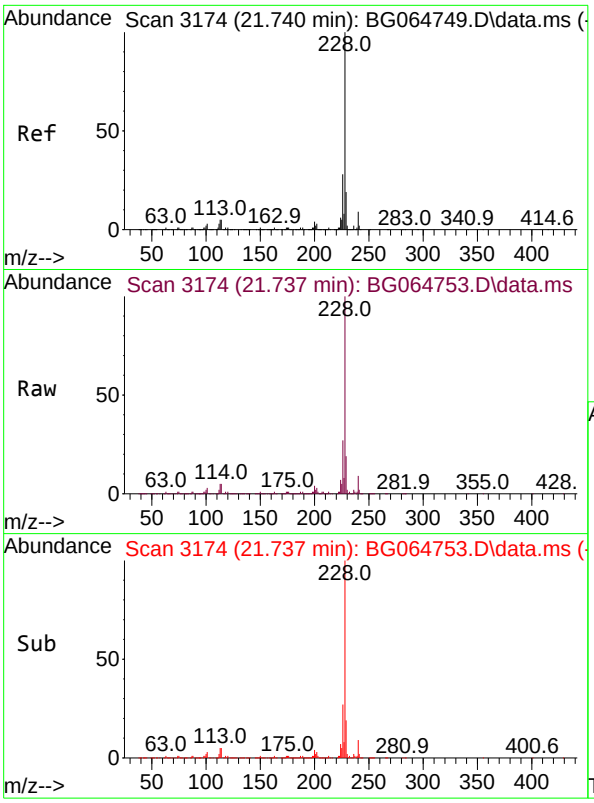


#80
Butylbenzylphthalate
Concen: 31.103 ng
RT: 20.768 min Scan# 3009
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 231586

Ion	Ratio	Lower	Upper
149	100		
91	70.5	54.9	82.3
206	25.4	21.2	31.8





#81
Benzo(a)anthracene
Concen: 31.660 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

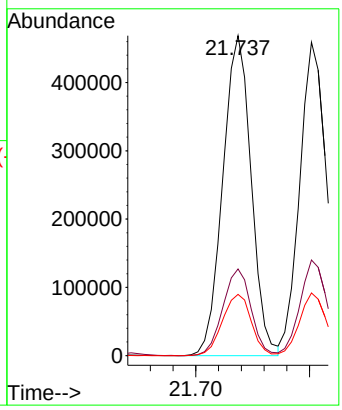
Instrument :
BNA_G
ClientSampleId :
ICVBG111225

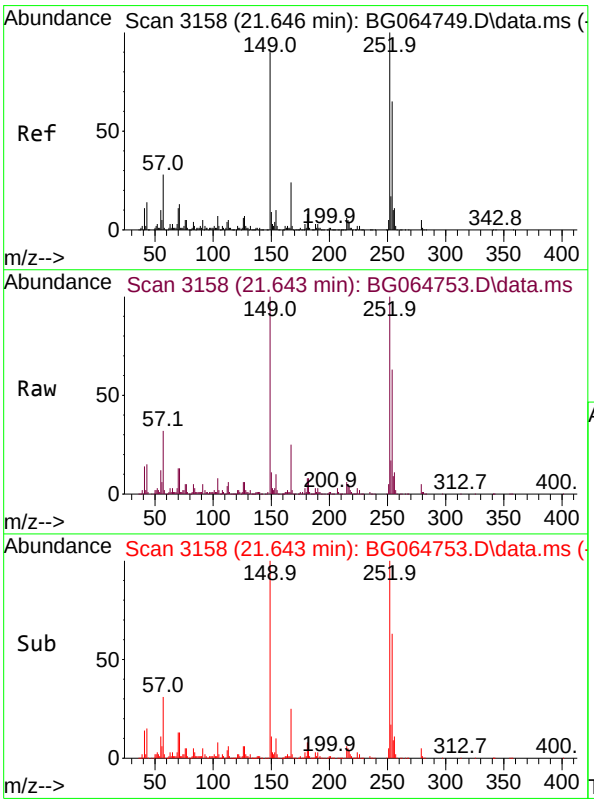
Tgt Ion:228 Resp: 81311

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.1	15.5	23.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

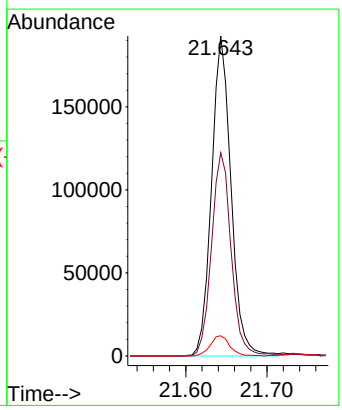


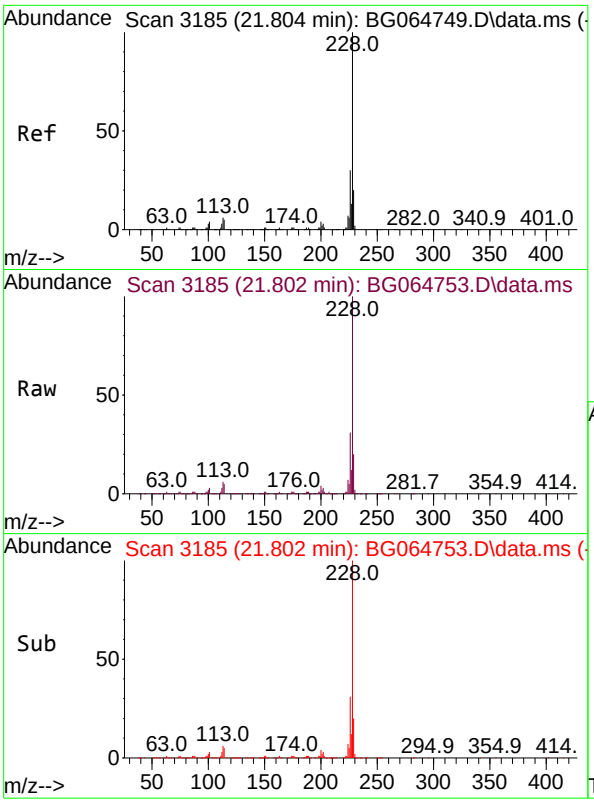


#82
3,3'-Dichlorobenzidine
Concen: 33.973 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 321145

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.8	77.8
126	6.3	4.7	7.1

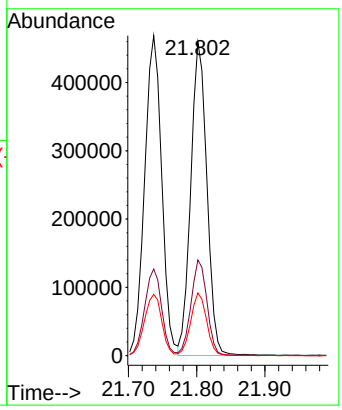




#83
Chrysene
Concen: 31.200 ng
RT: 21.802 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:228 Resp: 75544

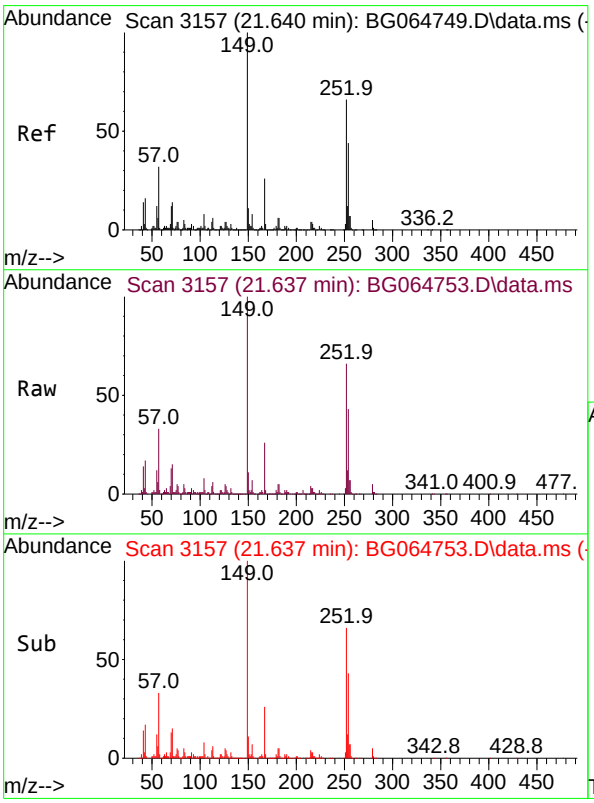
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

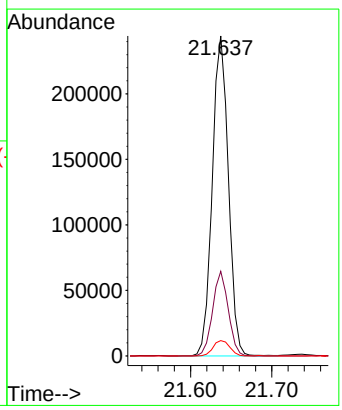
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

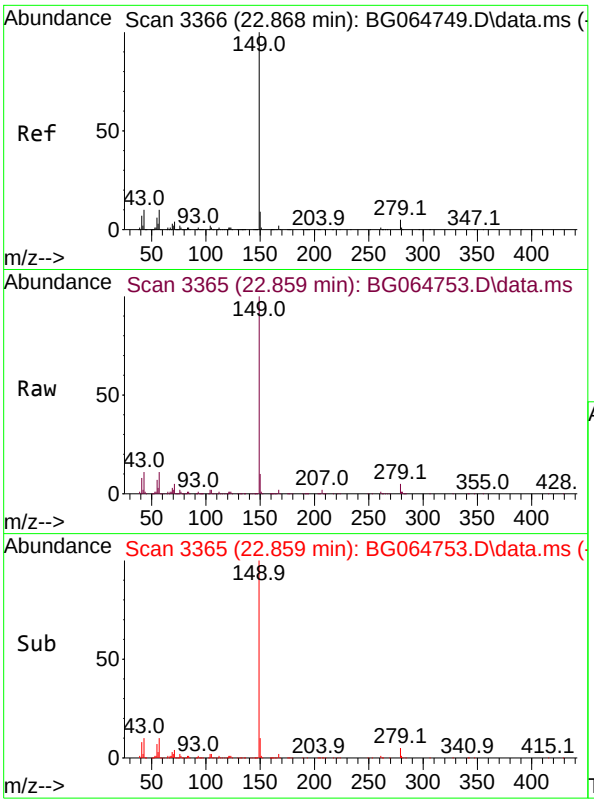


#84
Bis(2-ethylhexyl)phthalate
Concen: 30.914 ng
RT: 21.637 min Scan# 3157
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 336357

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	4.8	4.1	6.1

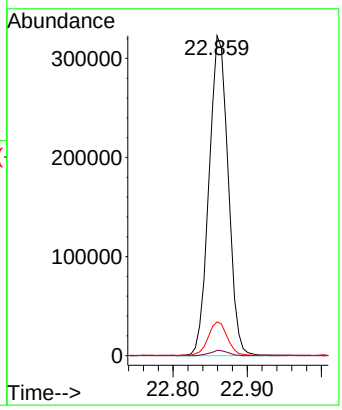




#85
Di-n-octyl phthalate
Concen: 30.757 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 57846

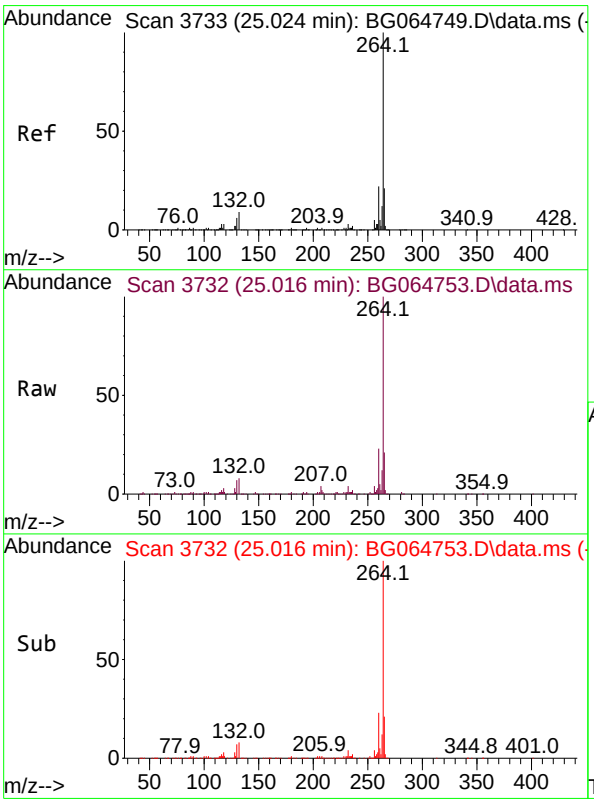
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

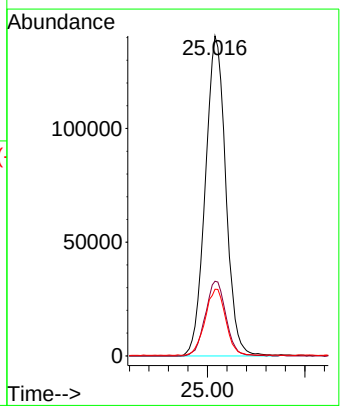
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

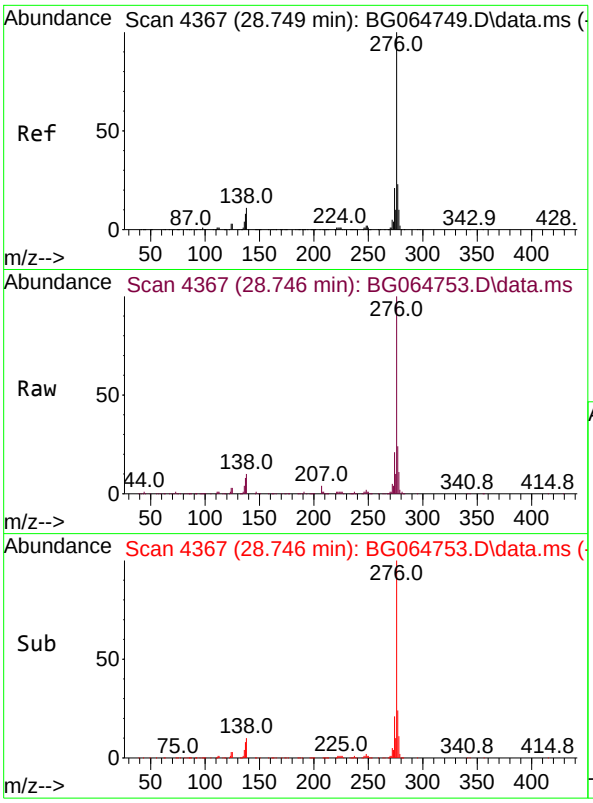


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 3732
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:264 Resp: 409953

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.2	25.8
265	20.9	16.6	25.0

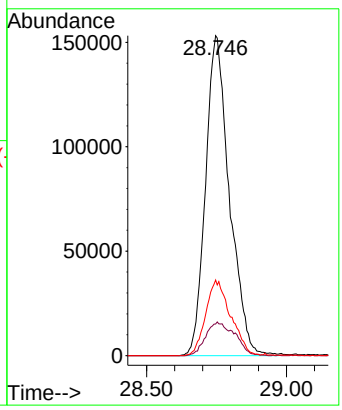




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.293 ng
RT: 28.746 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:276 Resp: 90952

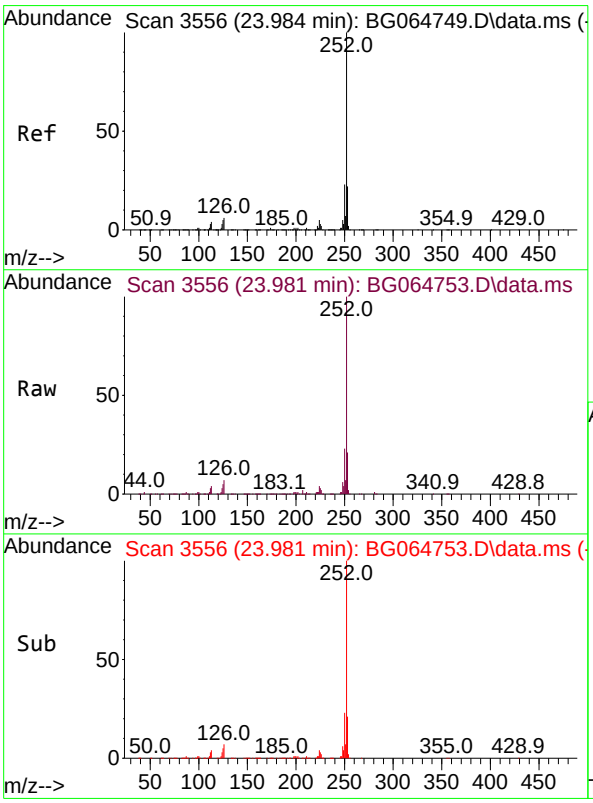
Ion	Ratio	Lower	Upper
276	100		
138	12.7	4.5	6.7#
277	24.6	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

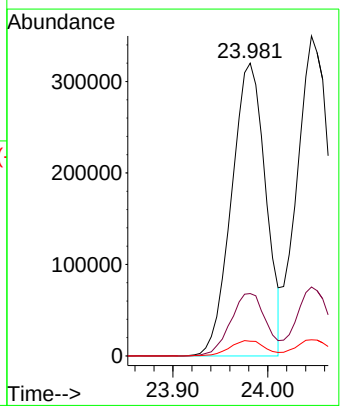
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

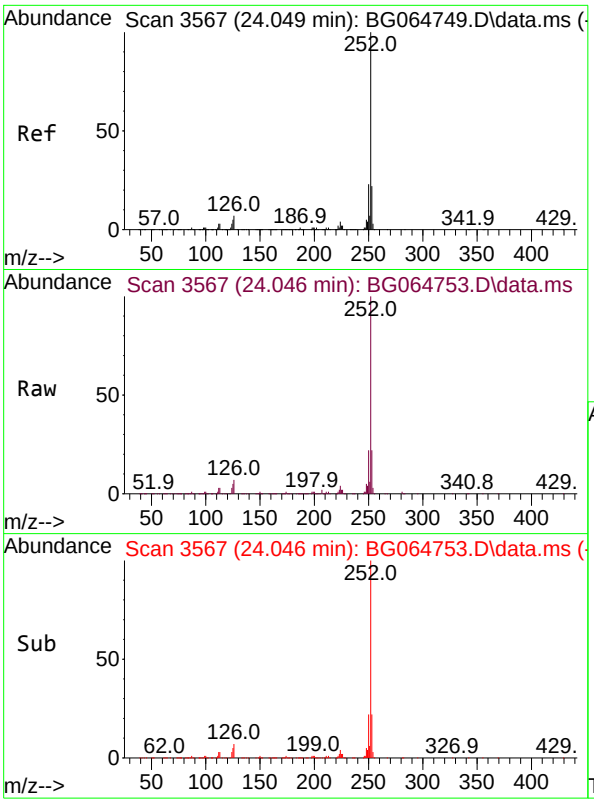


#88
Benzo(b)fluoranthene
Concen: 30.693 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 800751

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	5.0	4.2	6.2

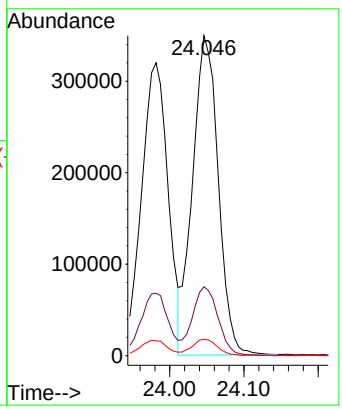




#89
Benzo(k)fluoranthene
Concen: 32.097 ng
RT: 24.046 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 84127

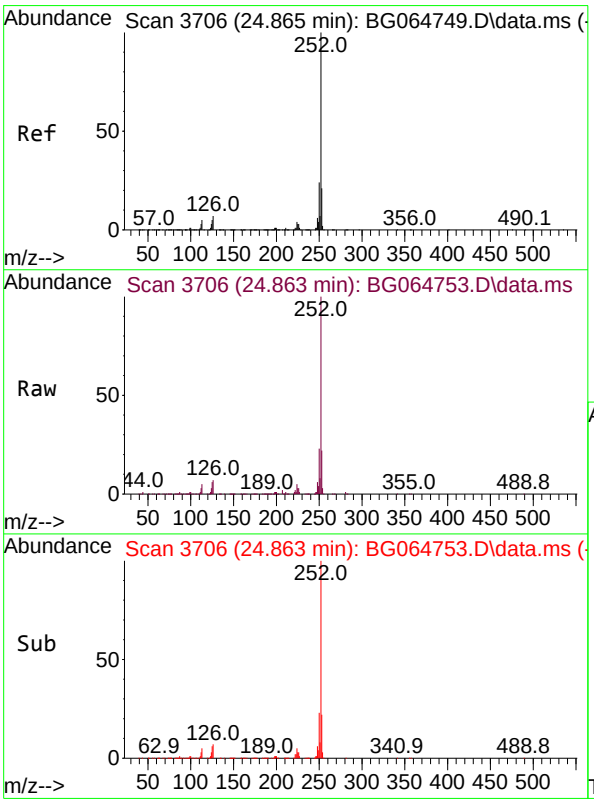
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	5.0	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

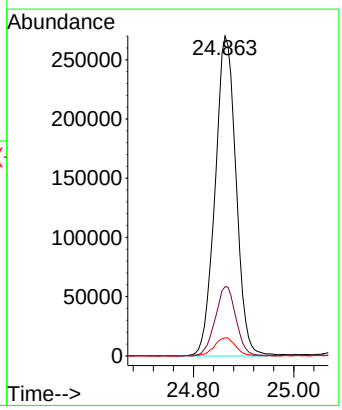
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

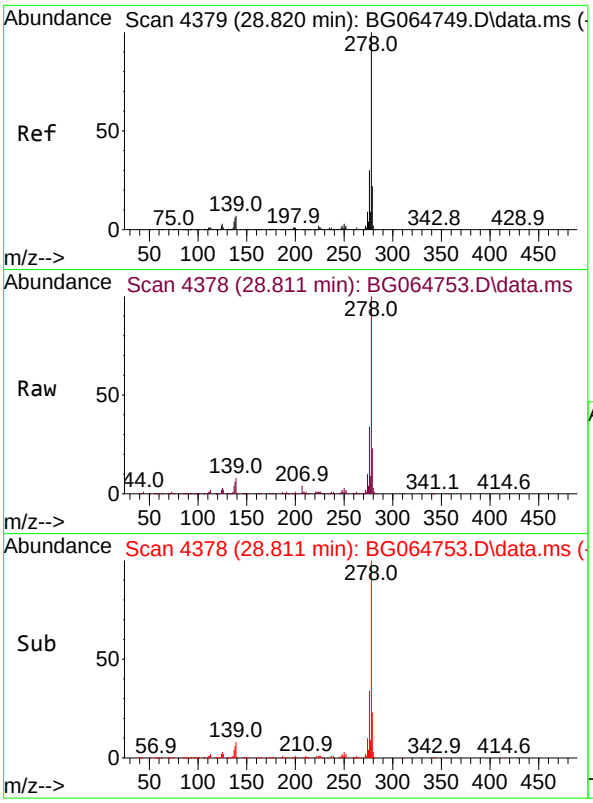


#90
Benzo(a)pyrene
Concen: 32.301 ng
RT: 24.863 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 781704

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	5.6	4.2	6.4

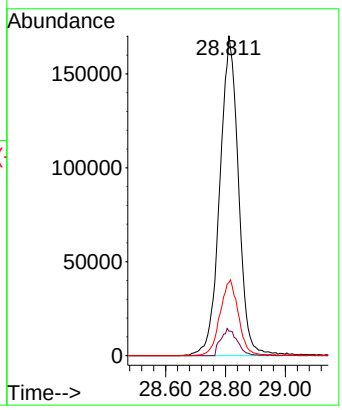




#91
Dibenzo(a,h)anthracene
Concen: 32.155 ng
RT: 28.811 min Scan# 4
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:278 Resp: 74191

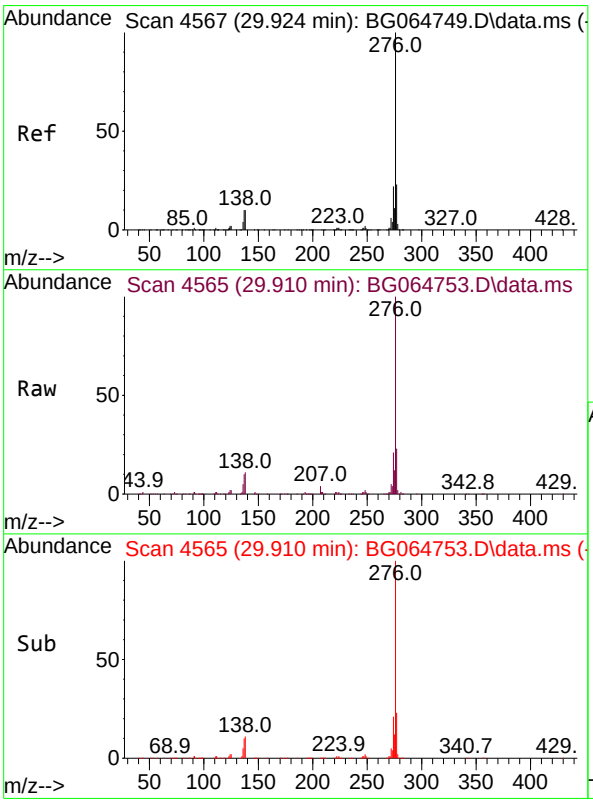
Ion	Ratio	Lower	Upper
278	100		
139	7.6	5.8	8.8
279	22.8	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

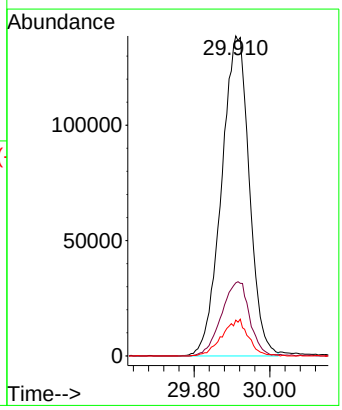
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 31.749 ng
RT: 29.910 min Scan# 4565
Delta R.T. -0.014 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:276 Resp: 705009

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.0	27.0
138	11.2	8.2	12.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2		1,4-Dioxane	0.443	0.349	21.2	83	0.00
3		Pyridine	1.321	0.967	26.8#	79	0.00
4		n-Nitrosodimethylamine	0.672	0.547	18.6	89	0.00
5	S	2-Fluorophenol	1.145	0.904	21.0	86	0.00
6		Aniline	2.030	1.731	14.7	92	0.00
7	S	Phenol-d6	1.523	1.228	19.4	87	0.00
8		2-Chlorophenol	1.258	1.031	18.0	88	0.00
9		Benzaldehyde	0.997	0.877	12.0	95	0.00
10	C	Phenol	1.657	1.366	17.6	89	0.00
11		bis(2-Chloroethyl)ether	1.179	0.959	18.7	87	0.00
12		1,3-Dichlorobenzene	1.447	1.218	15.8	91	0.00
13	C	1,4-Dichlorobenzene	1.474	1.212	17.8	90	0.00
14		1,2-Dichlorobenzene	1.429	1.212	15.2	92	0.00
15		Benzyl Alcohol	1.250	1.080	13.6	92	0.00
16		2,2'-oxybis(1-Chloropropane	2.792	2.222	20.4	87	0.00
17		2-Methylphenol	1.173	0.943	19.6	86	0.00
18		Hexachloroethane	0.558	0.438	21.5	87	0.00
19	P	n-Nitroso-di-n-propylamine	1.030	0.883	14.3	90	0.00
20		3+4-Methylphenols	1.607	1.295	19.4	88	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
22		Acetophenone	0.545	0.460	15.6	91	0.00
23	S	Nitrobenzene-d5	0.405	0.313	22.7	84	0.00
24		Nitrobenzene	0.409	0.339	17.1	91	0.00
25		Isophorone	0.770	0.623	19.1	90	0.00
26	C	2-Nitrophenol	0.184	0.154	16.3	88	0.00
27		2,4-Dimethylphenol	0.327	0.258	21.1	87	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.340	19.6	89	0.00
29	C	2,4-Dichlorophenol	0.351	0.290	17.4	88	0.00
30		1,2,4-Trichlorobenzene	0.423	0.360	14.9	94	0.00
31		Naphthalene	1.134	0.890	21.5	86	0.00
32		Benzoic acid	0.205	0.163	20.5	88	0.00
33		4-Chloroaniline	0.454	0.381	16.1	90	0.00
34	C	Hexachlorobutadiene	0.363	0.286	21.2#	87	0.00
35		Caprolactam	0.105	0.086	18.1	93	0.00
36	C	4-Chloro-3-methylphenol	0.390	0.314	19.5	89	0.00
37		2-Methylnaphthalene	0.848	0.607	28.4#	80	0.00
38		1-Methylnaphthalene	0.843	0.633	24.9	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.778	0.617	20.7	90	0.00
41	P	Hexachlorocyclopentadiene	0.558	0.427	23.5	87	0.00
42	S	2,4,6-Tribromophenol	0.390	0.313	19.7	92	0.00
43	C	2,4,6-Trichlorophenol	0.457	0.366	19.9	89	0.00
44		2,4,5-Trichlorophenol	0.512	0.404	21.1	88	0.00
45	S	2-Fluorobiphenyl	1.433	1.075	25.0	86	0.00
46		1,1'-Biphenyl	1.436	1.159	19.3	92	0.00
47		2-Chloronaphthalene	1.132	0.882	22.1	90	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	0.364	0.305	16.2	93	0.00
49		Acenaphthylene	1.933	1.536	20.5	91	0.00
50		Dimethylphthalate	1.580	1.252	20.8	92	0.00
51		2,6-Dinitrotoluene	0.304	0.253	16.8	94	0.00
52	C	Acenaphthene	1.159	0.918	20.8#	90	0.00
53		3-Nitroaniline	0.300	0.254	15.3	95	0.00
54	P	2,4-Dinitrophenol	0.158	0.142	10.1	95	0.00
55		Dibenzofuran	1.916	1.502	21.6	91	0.00
56	P	4-Nitrophenol	0.238	0.199	16.4	94	0.00
57		2,4-Dinitrotoluene	0.456	0.381	16.4	94	0.00
58		Fluorene	1.503	1.189	20.9	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.506	0.436	13.8	99	0.00
60		Diethylphthalate	1.513	1.188	21.5	91	0.00
61		4-Chlorophenyl-phenylether	0.902	0.691	23.4	89	0.00
62		4-Nitroaniline	0.311	0.262	15.8	93	0.00
63		Azobenzene	1.259	1.005	20.2	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	0.111	0.094	15.3	93	0.00
66	c	n-Nitrosodiphenylamine	0.524	0.428	18.3	92	0.00
67		4-Bromophenyl-phenylether	0.263	0.207	21.3	89	0.00
68		Hexachlorobenzene	0.318	0.249	21.7	90	0.00
69		Atrazine	0.253	0.209	17.4	95	0.00
70	C	Pentachlorophenol	0.157	0.133	15.3	96	0.00
71		Phenanthrene	1.094	0.862	21.2	91	0.00
72		Anthracene	1.116	0.886	20.6	92	0.00
73		Carbazole	0.959	0.786	18.0	94	0.00
74		Di-n-butylphthalate	1.070	0.852	20.4	91	0.00
75	C	Fluoranthene	1.496	1.184	20.9#	92	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77		Benzidine	0.599	0.496	17.2	101	0.00
78		Pyrene	1.121	0.900	19.7	93	0.00
79	S	Terphenyl-d14	1.017	0.789	22.4	89	0.00
80		Butylbenzylphthalate	0.394	0.307	22.1	90	0.00
81		Benzo(a)anthracene	1.360	1.076	20.9	90	0.00
82		3,3'-Dichlorobenzidine	0.501	0.425	15.2	94	0.00
83		Chrysene	1.282	1.000	22.0	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.576	0.445	22.7	88	0.00
85	c	Di-n-octyl phthalate	0.996	0.766	23.1#	85	0.00
86	I	Perylene-d12	1.000	1.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.109	19.3	87	0.00
88		Benzo(b)fluoranthene	1.273	0.977	23.3	83	0.00
89		Benzo(k)fluoranthene	1.279	1.026	19.8	90	0.00
90	C	Benzo(a)pyrene	1.181	0.953	19.3	88	0.00
91		Dibenzo(a,h)anthracene	1.126	0.905	19.6	86	0.00
92		Benzo(g,h,i)perylene	1.083	0.860	20.6	86	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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 = 4

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	0.00
2		1,4-Dioxane	40.000	31.527	21.2	83	0.00
3		Pyridine	40.000	29.291	26.8#	79	0.00
4		n-Nitrosodimethylamine	40.000	32.525	18.7	89	0.00
5	S	2-Fluorophenol	80.000	63.167	21.0	86	0.00
6		Aniline	40.000	34.106	14.7	92	0.00
7	S	Phenol-d6	80.000	64.502	19.4	87	0.00
8		2-Chlorophenol	40.000	32.779	18.1	88	0.00
9		Benzaldehyde	40.000	35.196	12.0	95	0.00
10	C	Phenol	40.000	32.974	17.6	89	0.00
11		bis(2-Chloroethyl)ether	40.000	32.532	18.7	87	0.00
12		1,3-Dichlorobenzene	40.000	33.672	15.8	91	0.00
13	C	1,4-Dichlorobenzene	40.000	32.901	17.7	90	0.00
14		1,2-Dichlorobenzene	40.000	33.934	15.2	92	0.00
15		Benzyl Alcohol	40.000	34.561	13.6	92	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	31.833	20.4	87	0.00
17		2-Methylphenol	40.000	32.149	19.6	86	0.00
18		Hexachloroethane	40.000	31.370	21.6	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.287	14.3	90	0.00
20		3+4-Methylphenols	40.000	32.235	19.4	88	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	111	0.00
22		Acetophenone	40.000	33.774	15.6	91	0.00
23	S	Nitrobenzene-d5	80.000	61.930	22.6	84	0.00
24		Nitrobenzene	40.000	33.162	17.1	91	0.00
25		Isophorone	40.000	32.368	19.1	90	0.00
26	C	2-Nitrophenol	40.000	33.507	16.2	88	0.00
27		2,4-Dimethylphenol	40.000	31.650	20.9	87	0.00
28		bis(2-Chloroethoxy)methane	40.000	32.150	19.6	89	0.00
29	C	2,4-Dichlorophenol	40.000	33.040	17.4	88	0.00
30		1,2,4-Trichlorobenzene	40.000	33.988	15.0	94	0.00
31		Naphthalene	40.000	31.383	21.5	86	0.00
32		Benzoic acid	40.000	30.681	23.3	88	0.00
33		4-Chloroaniline	40.000	33.639	15.9	90	0.00
34	C	Hexachlorobutadiene	40.000	31.513	21.2#	87	0.00
35		Caprolactam	40.000	32.854	17.9	93	0.00
36	C	4-Chloro-3-methylphenol	40.000	32.195	19.5	89	0.00
37		2-Methylnaphthalene	40.000	28.612	28.5#	80	0.00
38		1-Methylnaphthalene	40.000	30.038	24.9	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	31.686	20.8	90	0.00
41	P	Hexachlorocyclopentadiene	40.000	30.647	23.4	87	0.00
42	S	2,4,6-Tribromophenol	80.000	64.162	19.8	92	0.00
43	C	2,4,6-Trichlorophenol	40.000	32.039	19.9	89	0.00
44		2,4,5-Trichlorophenol	40.000	31.528	21.2	88	0.00
45	S	2-Fluorobiphenyl	80.000	59.990	25.0#	86	0.00
46		1,1'-Biphenyl	40.000	32.265	19.3	92	0.00
47		2-Chloronaphthalene	40.000	31.173	22.1	90	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	33.514	16.2	93	0.00
49		Acenaphthylene	40.000	31.779	20.6	91	0.00
50		Dimethylphthalate	40.000	31.689	20.8	92	0.00
51		2,6-Dinitrotoluene	40.000	33.291	16.8	94	0.00
52	C	Acenaphthene	40.000	31.693	20.8#	90	0.00
53		3-Nitroaniline	40.000	33.908	15.2	95	0.00
54	P	2,4-Dinitrophenol	40.000	32.871	17.8	95	0.00
55		Dibenzofuran	40.000	31.341	21.6	91	0.00
56	P	4-Nitrophenol	40.000	33.387	16.5	94	0.00
57		2,4-Dinitrotoluene	40.000	33.468	16.3	94	0.00
58		Fluorene	40.000	31.633	20.9	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	34.475	13.8	99	0.00
60		Diethylphthalate	40.000	31.411	21.5	91	0.00
61		4-Chlorophenyl-phenylether	40.000	30.654	23.4	89	0.00
62		4-Nitroaniline	40.000	33.761	15.6	93	0.00
63		Azobenzene	40.000	31.929	20.2	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	40.000	33.928	15.2	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	32.679	18.3	92	0.00
67		4-Bromophenyl-phenylether	40.000	31.573	21.1	89	0.00
68		Hexachlorobenzene	40.000	31.349	21.6	90	0.00
69		Atrazine	40.000	33.110	17.2	95	0.00
70	C	Pentachlorophenol	40.000	32.137	19.7	96	0.00
71		Phenanthrene	40.000	31.516	21.2	91	0.00
72		Anthracene	40.000	31.775	20.6	92	0.00
73		Carbazole	40.000	32.779	18.1	94	0.00
74		Di-n-butylphthalate	40.000	31.841	20.4	91	0.00
75	C	Fluoranthene	40.000	31.649	20.9#	92	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77		Benzidine	40.000	33.151	17.1	101	0.00
78		Pyrene	40.000	32.115	19.7	93	0.00
79	S	Terphenyl-d14	80.000	62.068	22.4	89	0.00
80		Butylbenzylphthalate	40.000	31.103	22.2	90	0.00
81		Benzo(a)anthracene	40.000	31.660	20.8	90	0.00
82		3,3'-Dichlorobenzidine	40.000	33.973	15.1	94	0.00
83		Chrysene	40.000	31.200	22.0	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	30.914	22.7	88	0.00
85	c	Di-n-octyl phthalate	40.000	30.757	23.1#	85	0.00
86	I	Perylene-d12	20.000	20.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	32.293	19.3	87	0.00
88		Benzo(b)fluoranthene	40.000	30.693	23.3	83	0.00
89		Benzo(k)fluoranthene	40.000	32.097	19.8	90	0.00
90	C	Benzo(a)pyrene	40.000	32.301	19.2	88	0.00
91		Dibenzo(a,h)anthracene	40.000	32.155	19.6	86	0.00
92		Benzo(g,h,i)perylene	40.000	31.749	20.6	86	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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 = 4

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 15 01:38:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026143.D 5 =BP026144.D 10 =BP026145.D 20 =BP026146.D 40 =BP026147.D 50 =BP026148.D 60 =BP026149.D 80 =BP0261
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.507	0.520	0.524	0.490	0.502	0.505	0.494	0.506	2.46
3)		Pyridine		1.401	1.459	1.510	1.391	1.485	1.466	1.458	1.453	2.96
4)		n-Nitrosodimet...			0.535	0.560	0.515	0.552	0.549	0.540	0.542	2.93
5)	S	2-Fluorophenol		1.193	1.249	1.277	1.231	1.255	1.258	1.245	1.244	2.14
6)		Aniline		1.953	2.050	2.154	1.885	2.138	2.127	2.117	2.061	5.04
7)	S	Phenol-d6		1.465	1.564	1.623	1.505	1.632	1.606	1.596	1.570	4.02
8)		2-Chlorophenol		1.318	1.398	1.438	1.398	1.452	1.439	1.453	1.414	3.40
9)		Benzaldehyde			0.963	0.899	1.014	0.719	0.812	0.673	0.847	16.00
10)	C	Phenol		1.570	1.658	1.757	1.608	1.759	1.742	1.729	1.689	4.58
11)		bis(2-Chloroet...		1.252	1.334	1.368	1.265	1.363	1.338	1.350	1.324	3.54
12)		1,3-Dichlorobe...		1.511	1.526	1.570	1.537	1.528	1.518	1.518	1.530	1.29
13)	C	1,4-Dichlorobe...		1.495	1.547	1.589	1.552	1.546	1.532	1.530	1.541	1.83
14)		1,2-Dichlorobe...		1.453	1.482	1.521	1.487	1.480	1.470	1.464	1.480	1.47
15)		Benzyl Alcohol			1.074	1.181	1.064	1.194	1.164	1.173	1.142	5.01
16)		2,2'-oxybis(1-...		1.769	1.841	1.961	1.699	1.924	1.852	1.892	1.848	4.89
17)		2-Methylphenol		1.067	1.126	1.191	1.077	1.202	1.180	1.182	1.146	4.92
18)		Hexachloroethane		0.527	0.559	0.569	0.562	0.565	0.557	0.581	0.560	2.98
19)	P	n-Nitroso-di-n...	0.937	0.899	0.960	1.063	0.884	1.039	0.975	0.986	0.968	6.44
20)		3+4-Methylphenols			1.530	1.656	1.450	1.648	1.601	1.613	1.583	5.00
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.497	0.521	0.530	0.499	0.504	0.507	0.493	0.507	2.67
23)	S	Nitrobenzene-d5		0.335	0.357	0.362	0.350	0.351	0.355	0.349	0.351	2.37
24)		Nitrobenzene		0.339	0.356	0.368	0.352	0.357	0.360	0.354	0.355	2.51
25)		Isophorone		0.655	0.693	0.736	0.649	0.710	0.686	0.697	0.689	4.37
26)	C	2-Nitrophenol		0.152	0.164	0.182	0.184	0.189	0.192	0.193	0.180	8.72
27)		2,4-Dimethylph...		0.305	0.327	0.337	0.278	0.328	0.327	0.323	0.318	6.31
28)		bis(2-Chloroet...		0.425	0.439	0.454	0.411	0.442	0.426	0.436	0.433	3.19
29)	C	2,4-Dichloroph...		0.298	0.322	0.335	0.325	0.330	0.330	0.328	0.324	3.73
30)		1,2,4-Trichlor...		0.331	0.337	0.337	0.346	0.325	0.328	0.328	0.333	2.16
31)		Naphthalene		1.080	1.114	1.115	1.075	1.073	1.059	1.052	1.081	2.29
32)		Benzoic acid			0.209	0.268	0.162	0.276	0.329	0.285	0.255	23.37
33)		4-Chloroaniline		0.429	0.461	0.479	0.425	0.463	0.458	0.457	0.453	4.30
34)	C	Hexachlorobuta...		0.213	0.218	0.219	0.231	0.211	0.212	0.219	0.217	3.17
35)		Caprolactam			0.113	0.123	0.106	0.118	0.114	0.113	0.114	4.96
36)	C	4-Chloro-3-met...		0.314	0.342	0.366	0.323	0.356	0.344	0.342	0.341	5.21
37)		2-Methylnaphth...		0.732	0.791	0.804	0.743	0.773	0.746	0.744	0.762	3.64
38)		1-Methylnaphth...		0.735	0.767	0.785	0.731	0.746	0.729	0.719	0.744	3.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.607	0.610	0.613	0.637	0.594	0.610	0.603	0.611	2.18
41)	P	Hexachlorocycl...		0.347	0.382	0.306	0.396	0.418	0.436	0.381	12.53
42)	S	2,4,6-Tribromo...	0.241	0.253	0.273	0.269	0.262	0.260	0.262	0.260	4.04
43)	C	2,4,6-Trichlor...	0.380	0.404	0.431	0.422	0.420	0.426	0.420	0.415	4.24
44)		2,4,5-Trichlor...	0.428	0.454	0.482	0.462	0.469	0.473	0.468	0.462	3.71
45)	S	2-Fluorobiphenyl	1.430	1.442	1.453	1.414	1.317	1.325	1.249	1.376	5.70
46)		1,1'-Biphenyl	1.499	1.540	1.580	1.519	1.469	1.504	1.460	1.510	2.74
47)		2-Chloronaphth...	1.167	1.215	1.217	1.208	1.164	1.195	1.162	1.190	2.07
48)		2-Nitroaniline	0.289	0.310	0.345	0.314	0.336	0.349	0.339	0.326	6.75
49)		Acenaphthylene	1.890	1.987	2.051	1.941	1.943	1.951	1.906	1.953	2.75
50)		Dimethylphthalate	1.470	1.517	1.573	1.469	1.470	1.470	1.462	1.490	2.74
51)		2,6-Dinitrotol...	0.235	0.267	0.310	0.305	0.312	0.313	0.319	0.295	10.63
52)	C	Acenaphthene	1.139	1.182	1.180	1.117	1.141	1.153	1.081	1.142	3.10
53)		3-Nitroaniline	0.286	0.330	0.368	0.332	0.364	0.368	0.362	0.344	8.81
54)	P	2,4-Dinitrophenol		0.124	0.174	0.056	0.187	0.194	0.208	0.157	36.56
55)		Dibenzofuran	1.779	1.832	1.880	1.782	1.763	1.738	1.654	1.776	4.01
56)	P	4-Nitrophenol		0.290	0.331	0.269	0.314	0.324	0.317	0.307	7.70
57)		2,4-Dinitrotol...	0.362	0.407	0.469	0.440	0.464	0.465	0.459	0.438	9.14
58)		Fluorene	1.447	1.490	1.500	1.403	1.374	1.351	1.267	1.405	5.89
59)		2,3,4,6-Tetrac...	0.361	0.391	0.409	0.390	0.397	0.396	0.394	0.391	3.73
60)		Diethylphthalate	1.493	1.507	1.592	1.452	1.493	1.462	1.465	1.495	3.16
61)		4-Chlorophenyl...	0.718	0.717	0.741	0.714	0.691	0.673	0.648	0.700	4.53
62)		4-Nitroaniline	0.313	0.359	0.394	0.333	0.368	0.376	0.358	0.357	7.59
63)		Azobenzene	1.200	1.276	1.346	1.206	1.279	1.252	1.240	1.257	3.96
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.123	0.081	0.132	0.134	0.141	0.118	19.93
66)	c	n-Nitrosodiphe...	0.598	0.640	0.641	0.622	0.610	0.609	0.610	0.618	2.68
67)		4-Bromophenyl-...	0.208	0.219	0.223	0.231	0.221	0.221	0.229	0.222	3.43
68)		Hexachlorobenzene	0.243	0.260	0.260	0.269	0.255	0.254	0.263	0.258	3.27
69)		Atrazine	0.217	0.232	0.247	0.232	0.233	0.229	0.237	0.233	3.86
70)	C	Pentachlorophenol		0.170	0.179	0.177	0.179	0.180	0.187	0.179	3.20
71)		Phenanthrene	1.128	1.179	1.179	1.128	1.102	1.089	1.087	1.127	3.43
72)		Anthracene	1.122	1.194	1.198	1.166	1.122	1.134	1.102	1.148	3.29
73)		Carbazole	1.083	1.178	1.151	1.075	1.045	1.050	1.030	1.087	5.16
74)		Di-n-butylphth...	1.219	1.290	1.372	1.292	1.304	1.223	1.290	1.284	4.05
75)	C	Fluoranthene	1.383	1.464	1.452	1.392	1.308	1.319	1.287	1.372	5.12
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.727	0.733	0.575	0.631	0.594	0.508	0.628	14.11
78)		Pyrene	1.266	1.318	1.375	1.275	1.309	1.302	1.277	1.303	2.85
79)	S	Terphenyl-d14	1.024	1.037	1.061	0.974	0.971	0.918	0.866	0.979	7.08
80)		Butylbenzylpht...	0.546	0.552	0.612	0.564	0.588	0.555	0.587	0.572	4.24
81)		Benzo(a)anthra...	1.373	1.401	1.437	1.364	1.349	1.350	1.328	1.372	2.66
82)		3,3'-Dichlorob...		0.513	0.526	0.498	0.492	0.491	0.475	0.499	3.61
83)		Chrysene	1.298	1.336	1.341	1.316	1.266	1.279	1.257	1.299	2.57
84)		Bis(2-ethylhex...	0.842	0.825	0.918	0.836	0.876	0.814	0.911	0.860	4.84
85)	c	Di-n-octyl pht...		1.414	1.572	1.510	1.553	1.467	1.584	1.517	4.37

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.442	1.484	1.538	1.592	1.483	1.531	1.511	1.512	3.20
88)		Benzo(b)fluora...	1.190	1.226	1.271	1.220	1.222	1.200	1.180	1.215	2.48
89)		Benzo(k)fluora...	1.206	1.228	1.275	1.209	1.213	1.192	1.189	1.216	2.39
90)	C	Benzo(a)pyrene	1.121	1.153	1.198	1.160	1.147	1.146	1.142	1.153	2.05
91)		Dibenzo(a,h)an...	1.177	1.220	1.274	1.296	1.209	1.245	1.232	1.236	3.24
92)		Benzo(g,h,i)pe...	1.175	1.230	1.253	1.307	1.185	1.244	1.234	1.232	3.58

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026143.D
Acq On : 18 Nov 2025 14:31
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 19 00:37:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.655	152	296435	20.000	ng	-0.02
21) Naphthalene-d8	10.431	136	1184362	20.000	ng	-0.02
39) Acenaphthene-d10	14.313	164	759057	20.000	ng	-0.01
64) Phenanthrene-d10	17.125	188	1539519	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1732194	20.000	ng	0.01
86) Perylene-d12	24.918	264	1973418	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...	8.449	70	34712	2.457	ng	96

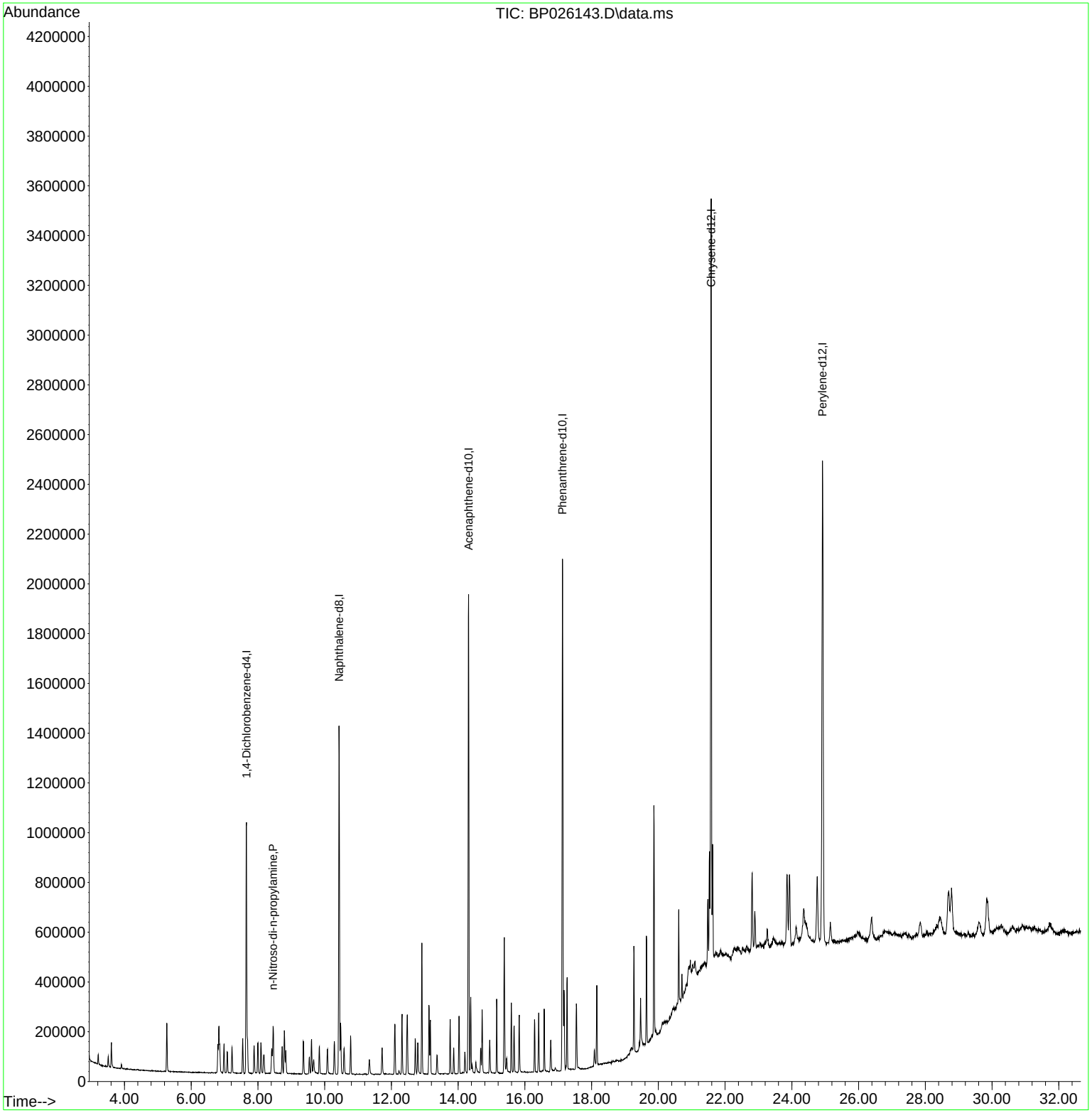
(#) = qualifier out of range (m) = manual integration (+) = signals summed

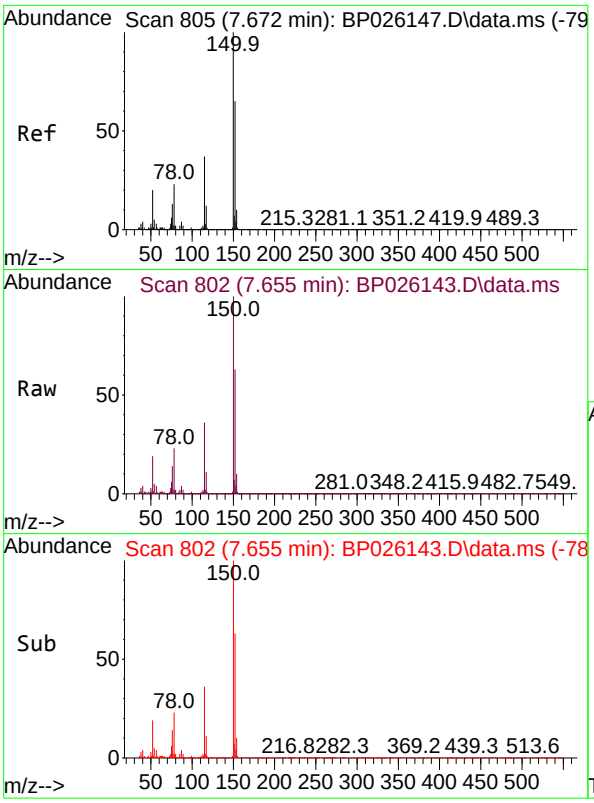
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026143.D
Acq On : 18 Nov 2025 14:31
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 19 00:37:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration



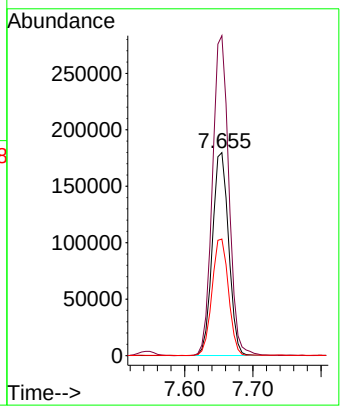


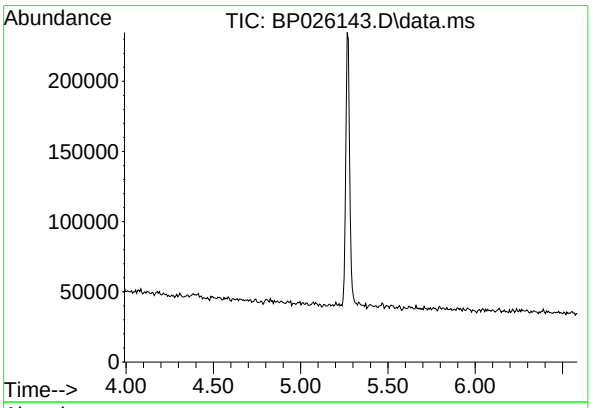
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.655 min Scan# 80
Delta R.T. -0.017 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 296435

Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.0	184.6
115	57.5	46.3	69.5



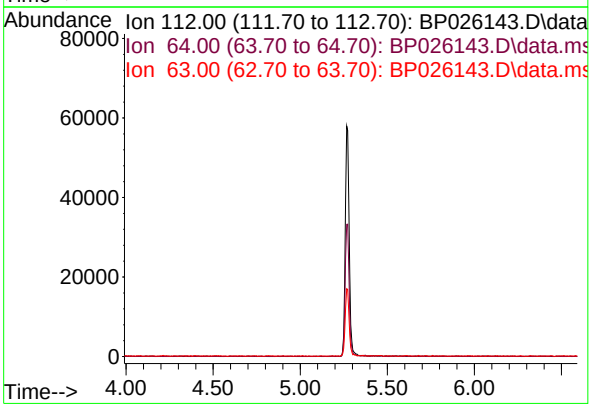


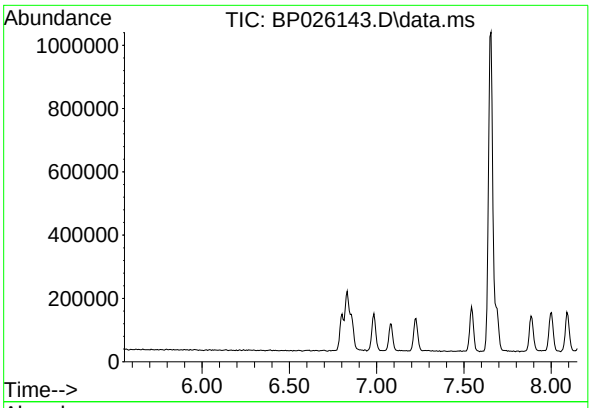
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.29 min

Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	57.2
63	29.4





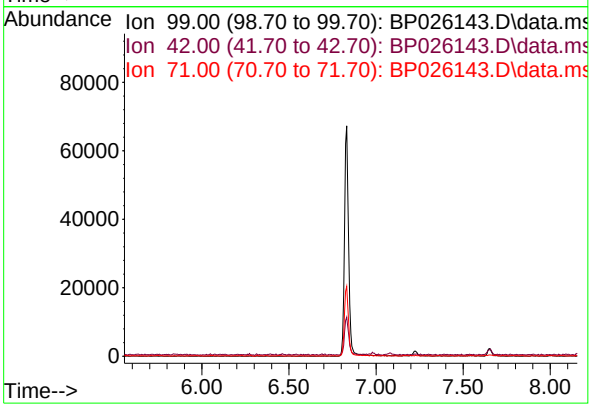
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.85 min

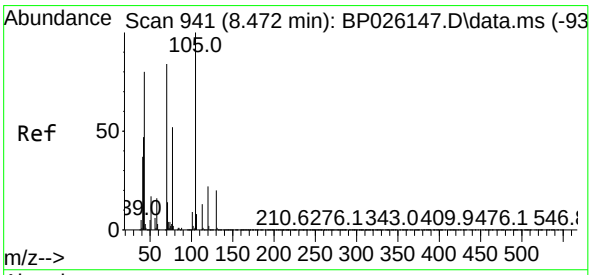
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	16.1
71	31.0

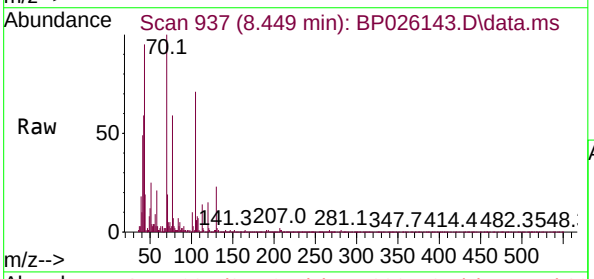


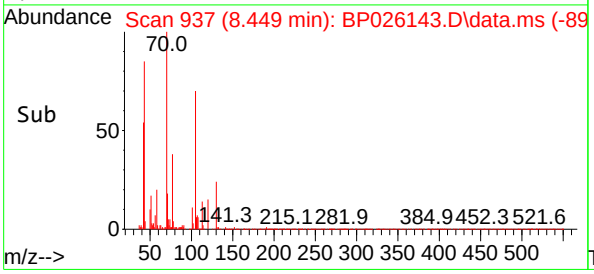


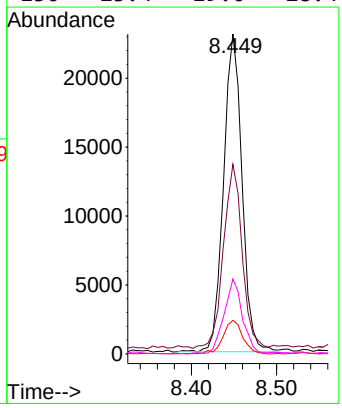
#19
n-Nitroso-di-n-propylamine
Concen: 2.457 ng
RT: 8.449 min Scan# 937
Delta R.T. -0.023 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

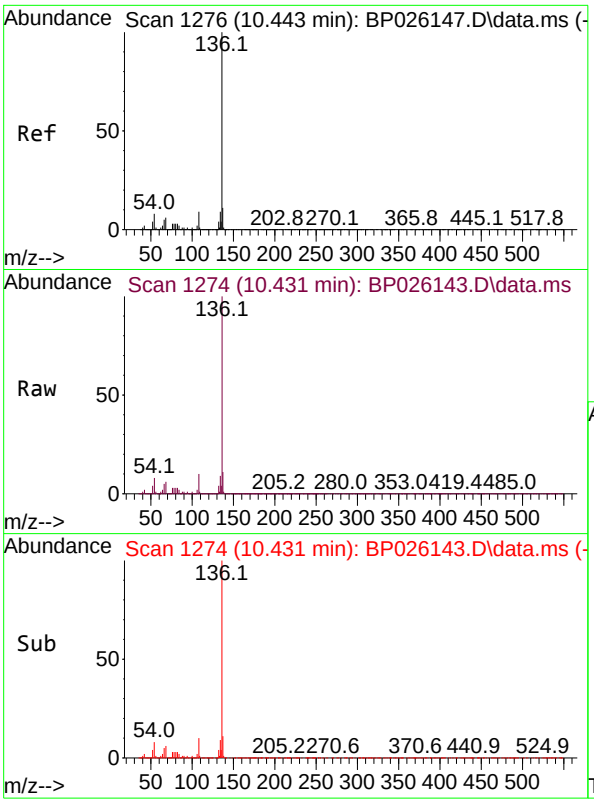
Tgt Ion: 70 Resp: 34712

Ion	Ratio	Lower	Upper
70	100		
42	59.2	44.1	66.1
101	10.5	8.2	12.4
130	23.4	19.0	28.4







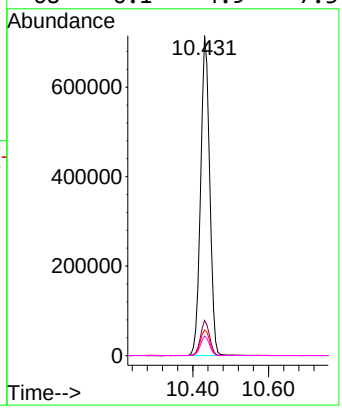


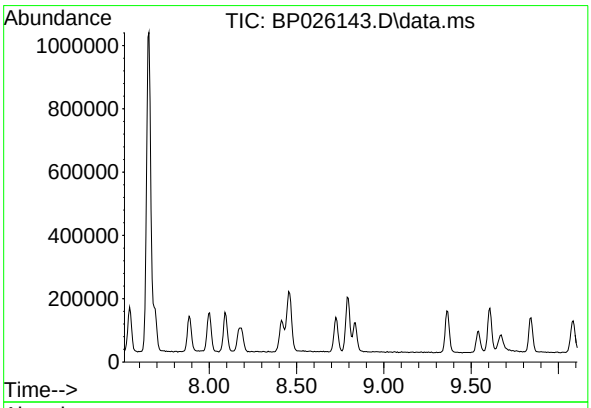
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.431 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1184362

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.0	6.4	9.6
68	6.1	4.9	7.3



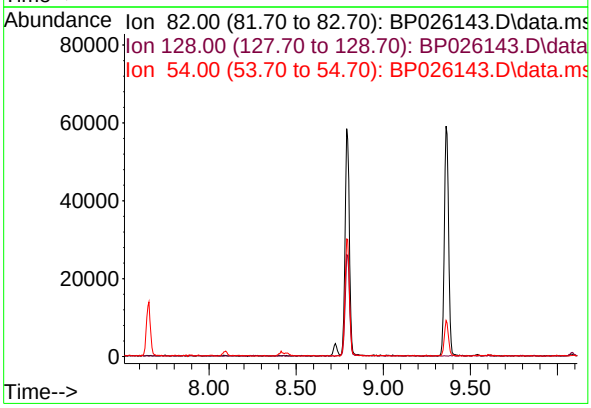


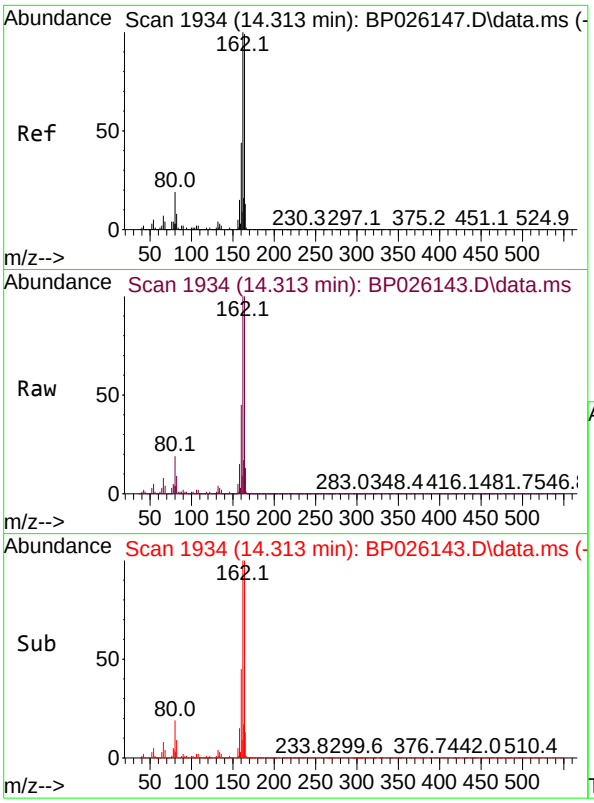
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.81 min

Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.7
54	52.0



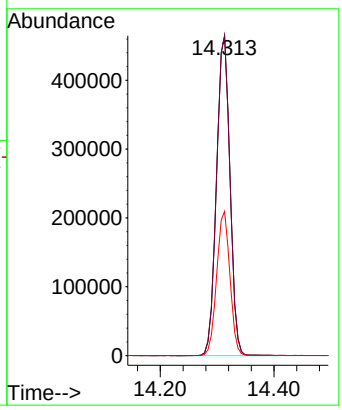


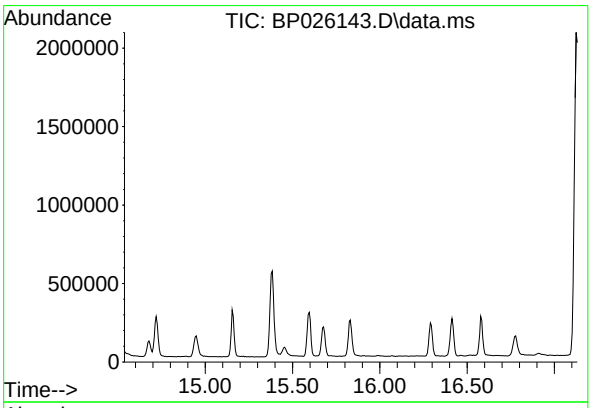
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 759057

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.3	120.5
160	45.1	35.2	52.8



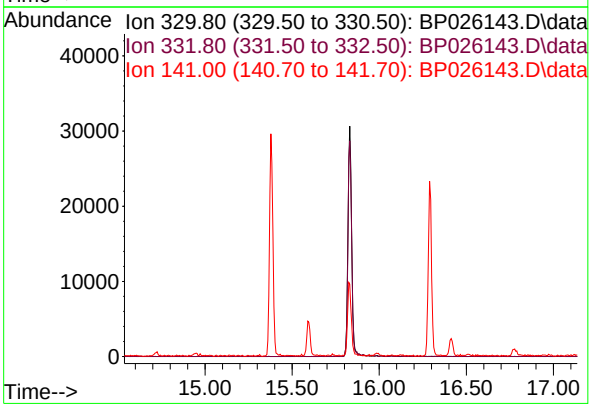


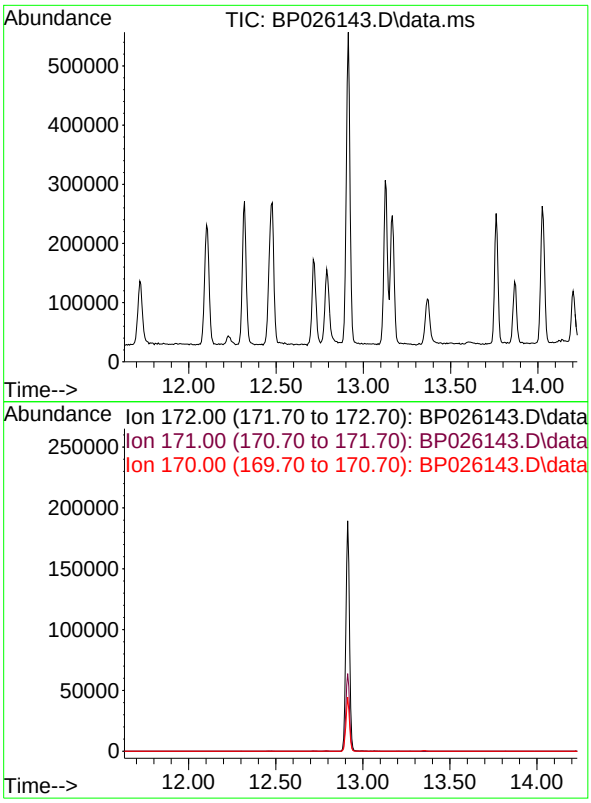
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.84 min

Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	33.5





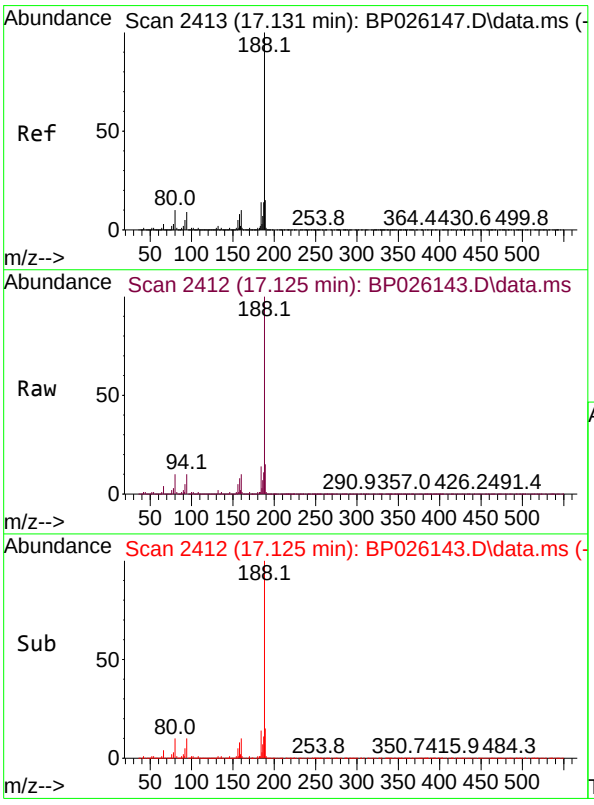
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.93 min

Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

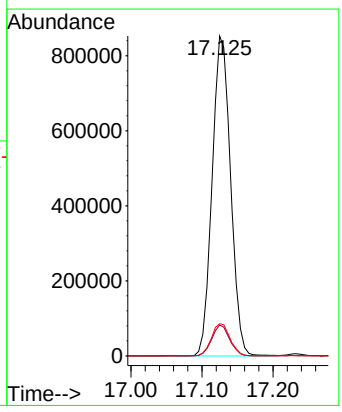
Sig	Exp Ratio
172	100
171	35.3
170	23.4

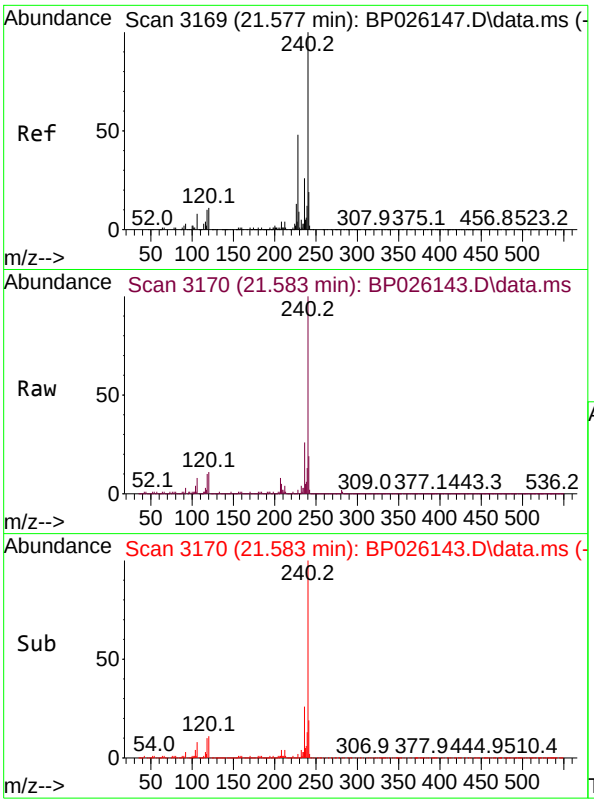


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Tgt Ion:188 Resp: 1539519

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.0	8.2	12.2



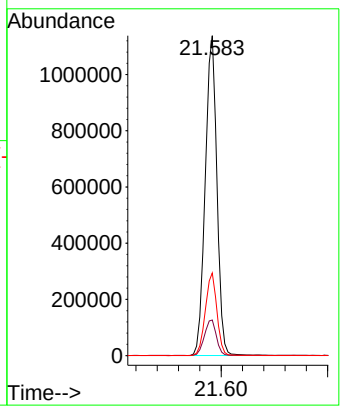


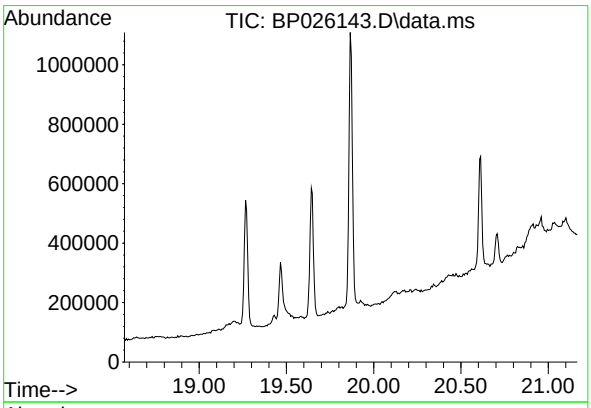
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1732194

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.8	20.4	30.6



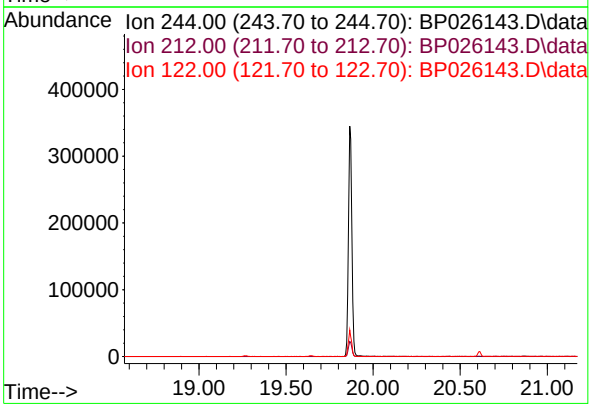


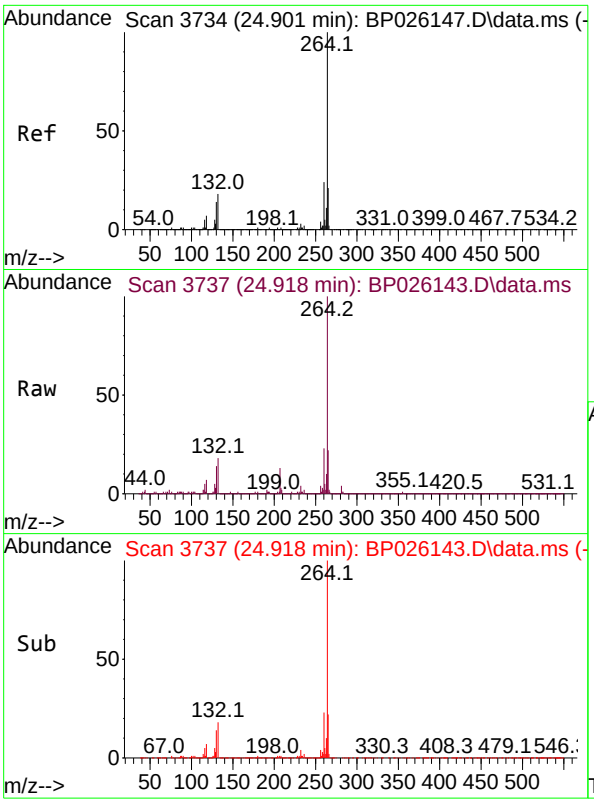
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.87 min

Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.3
122	10.2



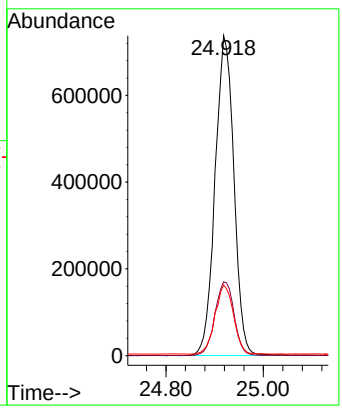


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026143.D
Acq: 18 Nov 2025 14:31

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1973418

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.1	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026144.D
Acq On : 18 Nov 2025 15:12
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Nov 19 00:38:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.672	152	261259	20.000	ng		0.00
21) Naphthalene-d8	10.437	136	1023584	20.000	ng		-0.01
39) Acenaphthene-d10	14.313	164	643620	20.000	ng		-0.01
64) Phenanthrene-d10	17.131	188	1346698	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1560462	20.000	ng		0.01
86) Perylene-d12	24.918	264	1801943	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	155849	9.842	ng		0.00
7) Phenol-d6	6.849	99	191404	9.528	ng		0.00
23) Nitrobenzene-d5	8.807	82	171702	10.379	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	77590	11.005	ng		0.00
45) 2-Fluorobiphenyl	12.919	172	460038	10.313	ng		-0.01
79) Terphenyl-d14	19.872	244	798858	10.439	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.220	88	33093	4.981	ng		96
3) Pyridine	3.620	79	91499	4.844	ng		97
6) Aniline	7.002	93	127562	4.764	ng		98
8) 2-Chlorophenol	7.243	128	86099	4.908	ng		99
10) Phenol	6.872	94	102514	4.615	ng		96
11) bis(2-Chloroethyl)ether	7.096	93	81759	4.649	ng		99
12) 1,3-Dichlorobenzene	7.561	146	98674	4.925	ng		99
13) 1,4-Dichlorobenzene	7.708	146	97655	4.815	ng		99
14) 1,2-Dichlorobenzene	8.019	146	94897	4.899	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.190	45	115566	4.387	ng		95
17) 2-Methylphenol	8.108	107	69679	4.771	ng		97
18) Hexachloroethane	8.743	117	34390	4.908	ng		97
19) n-Nitroso-di-n-propyla...	8.466	70	58743	4.718	ng		99
22) Acetophenone	8.478	105	127156	4.927	ng	#	99
24) Nitrobenzene	8.849	77	86731	5.006	ng		99
25) Isophorone	9.378	82	167606	4.787	ng		99
26) 2-Nitrophenol	9.555	139	38871	6.573	ng		98
27) 2,4-Dimethylphenol	9.625	122	78015	5.220	ng		98
28) bis(2-Chloroethoxy)met...	9.849	93	108845	4.925	ng		99
29) 2,4-Dichlorophenol	10.090	162	76304	4.893	ng		97
30) 1,2,4-Trichlorobenzene	10.302	180	84591	5.002	ng		94
31) Naphthalene	10.484	128	276491	4.976	ng		99
33) 4-Chloroaniline	10.590	127	109680	5.080	ng		100
34) Hexachlorobutadiene	10.784	225	54446	5.030	ng		99
36) 4-Chloro-3-methylphenol	11.731	107	80314	4.924	ng		96
37) 2-Methylnaphthalene	12.107	142	187351	4.822	ng		98
38) 1-Methylnaphthalene	12.337	142	187981	4.977	ng		99
40) 1,2,4,5-Tetrachloroben...	12.478	216	97644	4.903	ng		99
43) 2,4,6-Trichlorophenol	12.725	196	61137	5.131	ng		98
44) 2,4,5-Trichlorophenol	12.796	196	68937	5.093	ng		97
46) 1,1'-Biphenyl	13.131	154	241240	4.917	ng		97
47) 2-Chloronaphthalene	13.166	162	187850	4.870	ng		99
48) 2-Nitroaniline	13.378	65	46485	5.239	ng		90
49) Acenaphthylene	14.031	152	304102	5.334	ng		99
50) Dimethylphthalate	13.766	163	236591	5.077	ng		100
51) 2,6-Dinitrotoluene	13.872	165	37885	4.835	ng		91

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026144.D
Acq On : 18 Nov 2025 15:12
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Nov 19 00:38:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

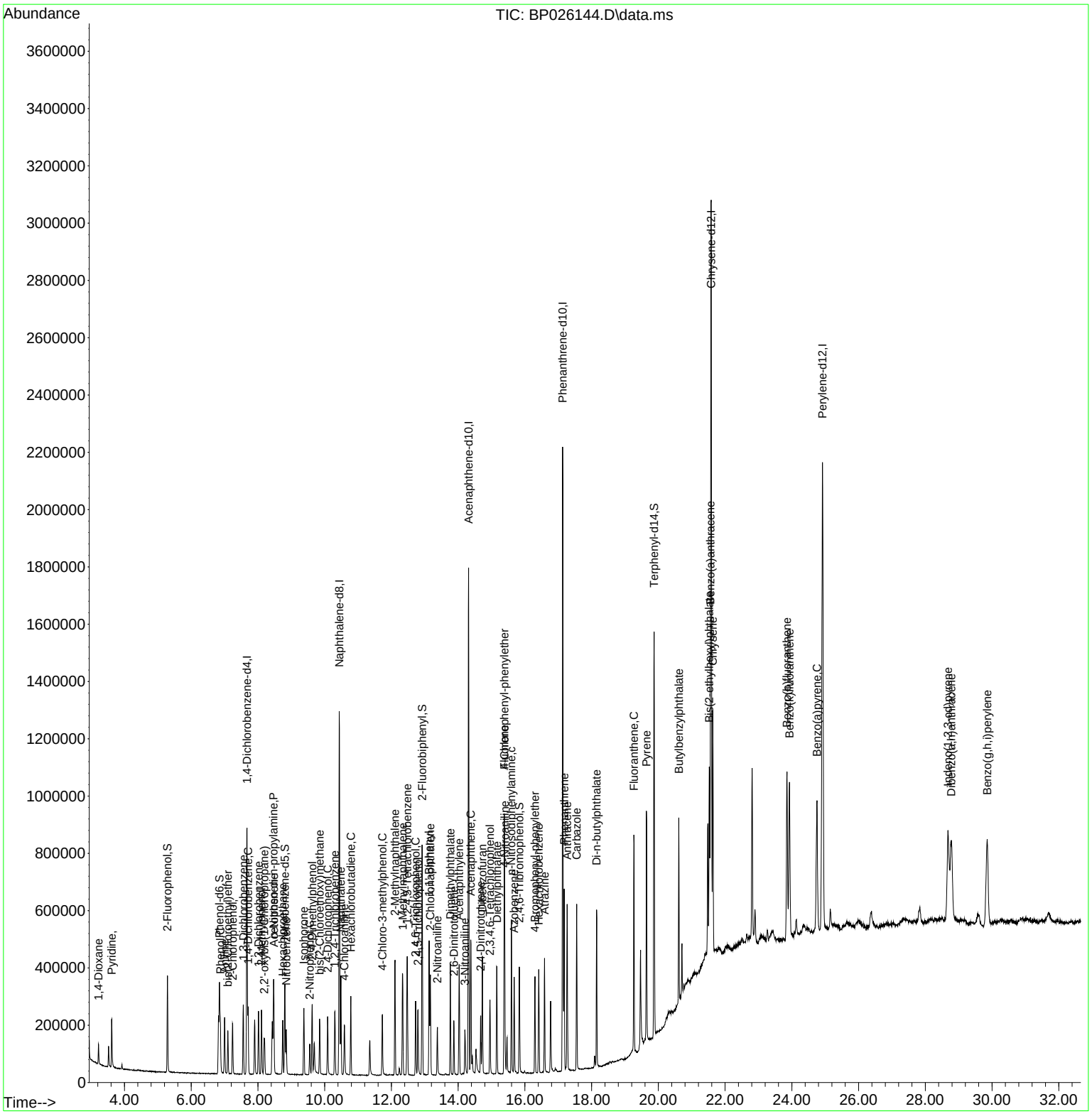
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	Acenaphthene	14.378	154	183221	4.803	ng		98
53)	3-Nitroaniline	14.201	138	46080	4.861	ng	#	97
55)	Dibenzofuran	14.725	168	286273	4.928	ng		99
57)	2,4-Dinitrotoluene	14.678	165	58186	5.089	ng		97
58)	Fluorene	15.384	166	232855	5.102	ng		100
59)	2,3,4,6-Tetrachlorophenol	14.954	232	58158	5.425	ng		99
60)	Diethylphthalate	15.160	149	240172	5.123	ng		100
61)	4-Chlorophenyl-phenyle...	15.384	204	115474	5.076	ng		97
62)	4-Nitroaniline	15.395	138	50292	5.003	ng		97
63)	Azobenzene	15.678	77	193050	4.580	ng		99
66)	n-Nitrosodiphenylamine	15.595	169	201167	4.795	ng		99
67)	4-Bromophenyl-phenylether	16.301	248	69962	4.680	ng		98
68)	Hexachlorobenzene	16.413	284	81728	4.805	ng		97
69)	Atrazine	16.589	200	73147	5.086	ng		99
71)	Phenanthrene	17.178	178	379854	4.882	ng		100
72)	Anthracene	17.266	178	377623	4.865	ng		99
73)	Carbazole	17.554	167	364556	4.990	ng		100
74)	Di-n-butylphthalate	18.148	149	410422	4.968	ng		100
75)	Fluoranthene	19.266	202	465623	5.107	ng		100
78)	Pyrene	19.642	202	493981	4.740	ng		100
80)	Butylbenzylphthalate	20.613	149	212828	6.092	ng		100
81)	Benzo(a)anthracene	21.560	228	535793	5.028	ng		99
83)	Chrysene	21.630	228	506265	5.012	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.524	149	328471	5.749	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.677	276	649473	4.913	ng		99
88)	Benzo(b)fluoranthene	23.854	252	535938	4.848	ng		100
89)	Benzo(k)fluoranthene	23.930	252	543312	4.807	ng		99
90)	Benzo(a)pyrene	24.754	252	504836	4.939	ng		99
91)	Dibenzo(a,h)anthracene	28.777	278	530340	4.920	ng		99
92)	Benzo(g,h,i)perylene	29.853	276	529220	5.083	ng		99

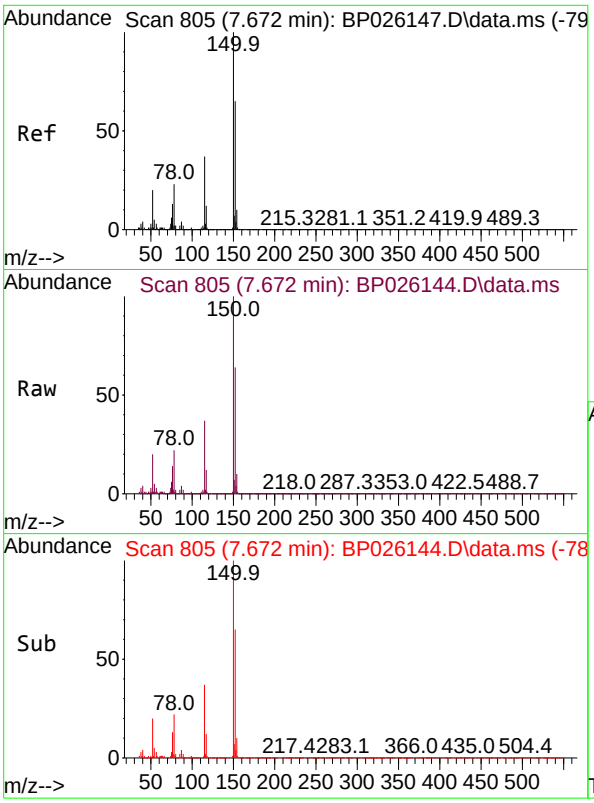
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026144.D
Acq On : 18 Nov 2025 15:12
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Nov 19 00:38:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration



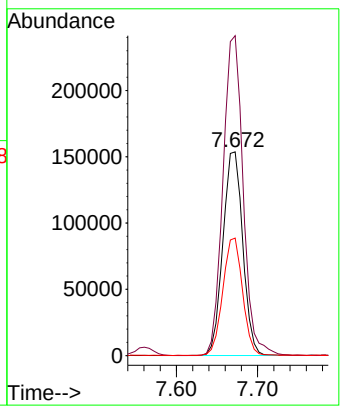


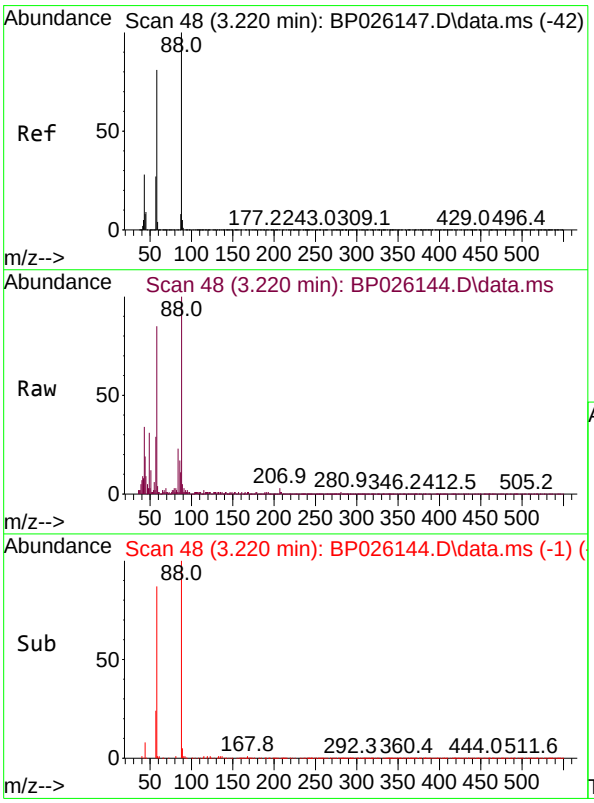
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 261259

Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.0	184.6
115	57.7	46.3	69.5

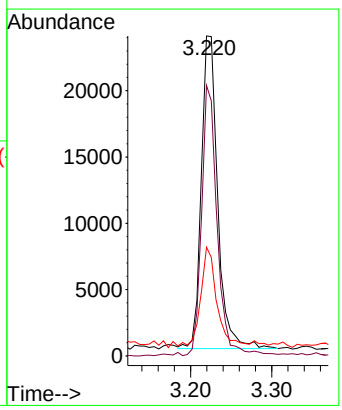


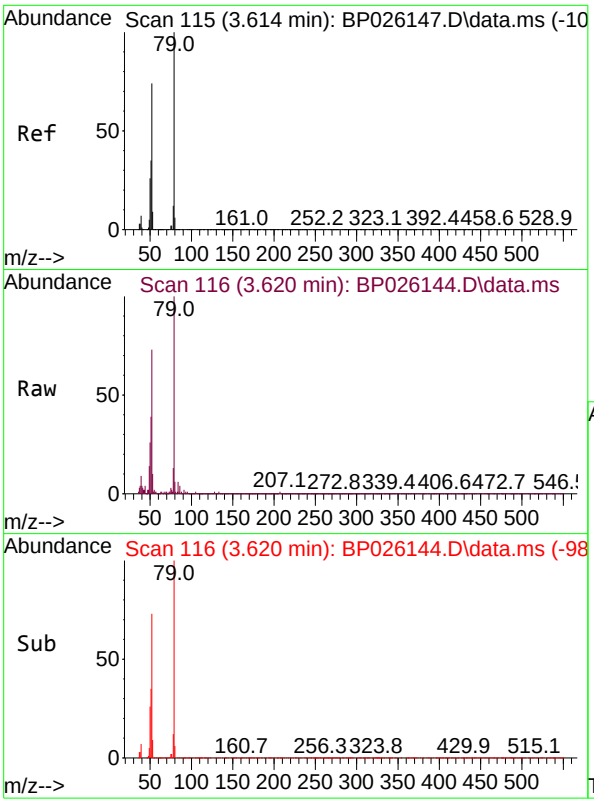


#2
1,4-Dioxane
Concen: 4.981 ng
RT: 3.220 min Scan# 48
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 88 Resp: 33093

Ion	Ratio	Lower	Upper
88	100		
58	82.3	64.2	96.4
43	30.9	21.5	32.3



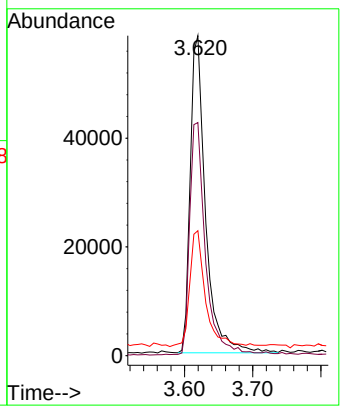


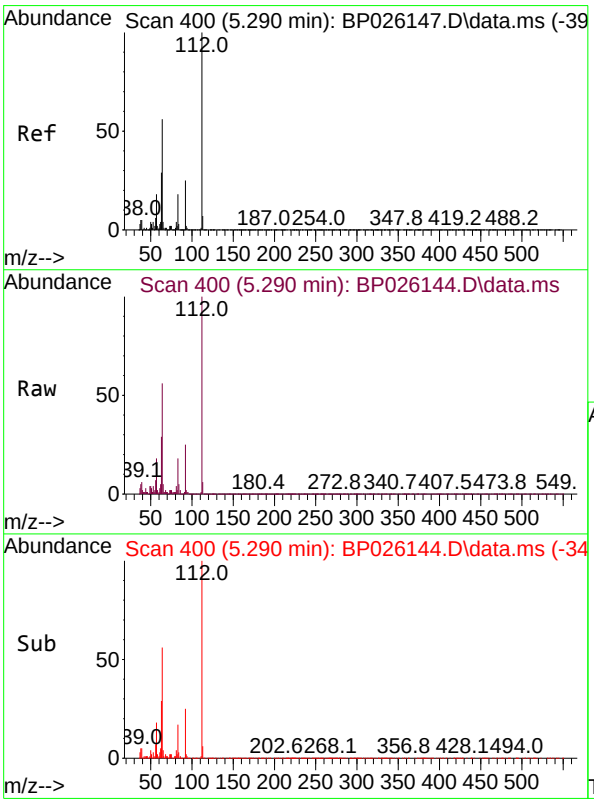
#3
Pyridine
Concen: 4.844 ng
RT: 3.620 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 91499

Ion	Ratio	Lower	Upper
79	100		
52	72.8	60.2	90.2
51	39.0	29.5	44.3

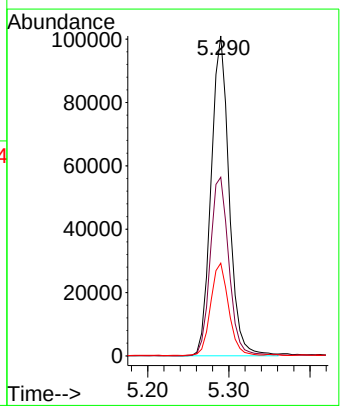


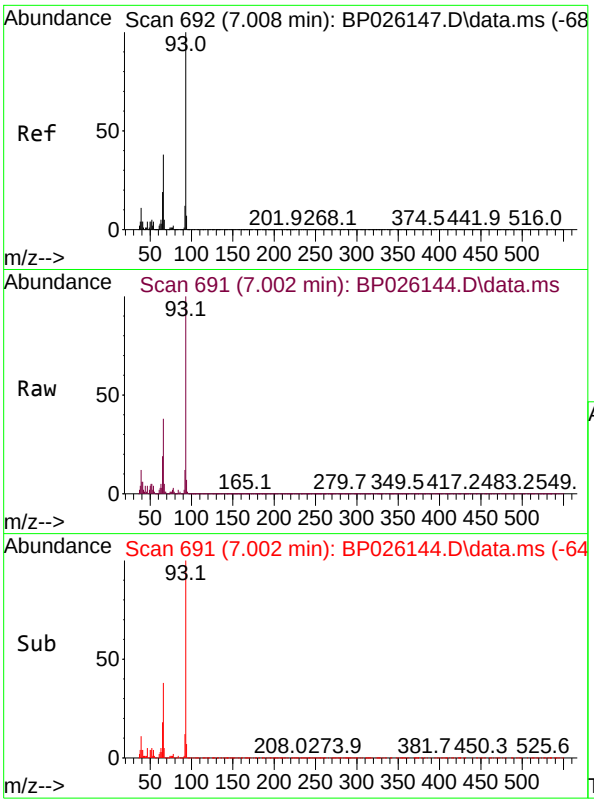


#5
2-Fluorophenol
Concen: 9.842 ng
RT: 5.290 min Scan# 400
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:112 Resp: 155849

Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.8	68.6
63	29.0	23.5	35.3



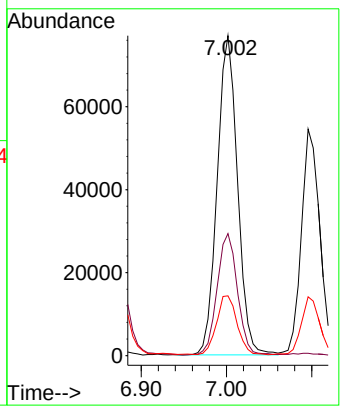


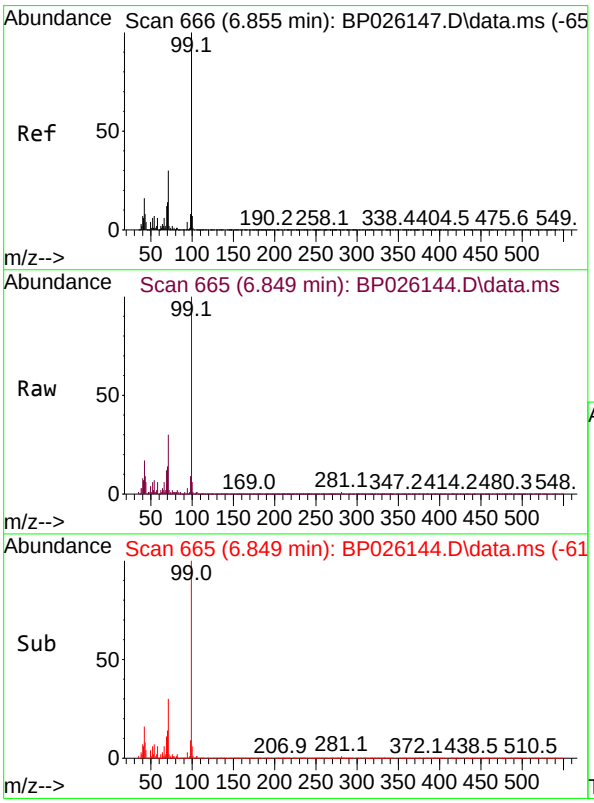
#6
Aniline
Concen: 4.764 ng
RT: 7.002 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 127562

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.7	47.5
65	18.7	15.8	23.6

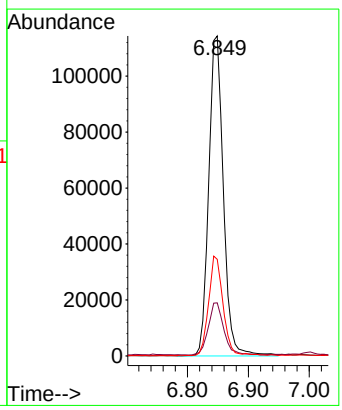


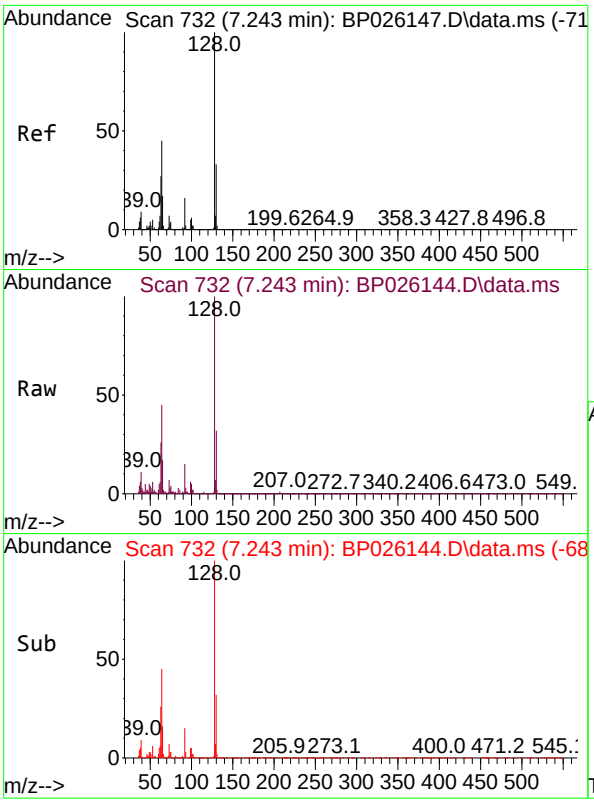


#7
Phenol-d6
Concen: 9.528 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 99 Resp: 191404

Ion	Ratio	Lower	Upper
99	100		
42	16.6	12.9	19.3
71	30.2	24.8	37.2



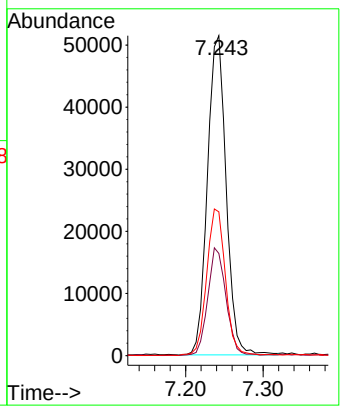


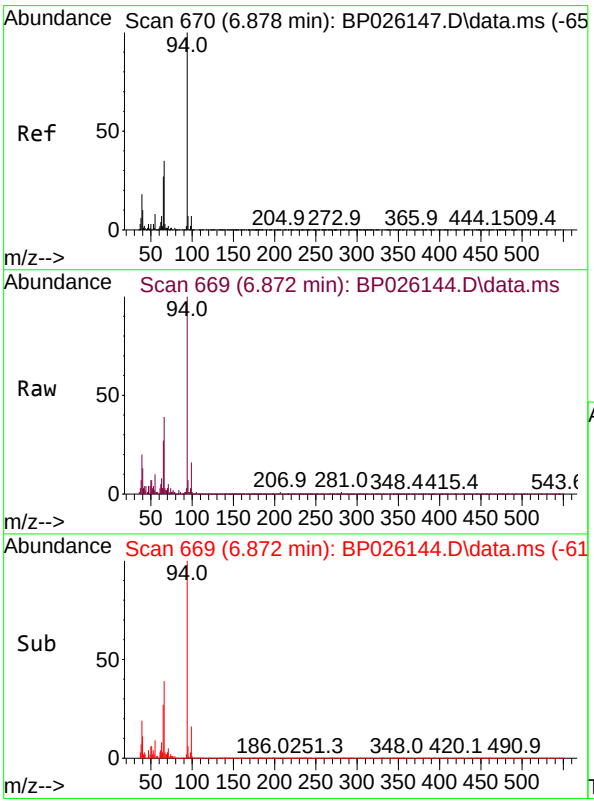
#8
2-Chlorophenol
Concen: 4.908 ng
RT: 7.243 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 86099

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.4	52.4
64	44.9	23.9	63.9

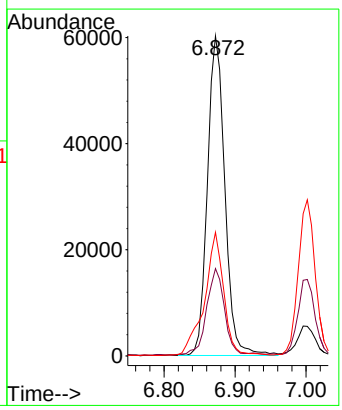


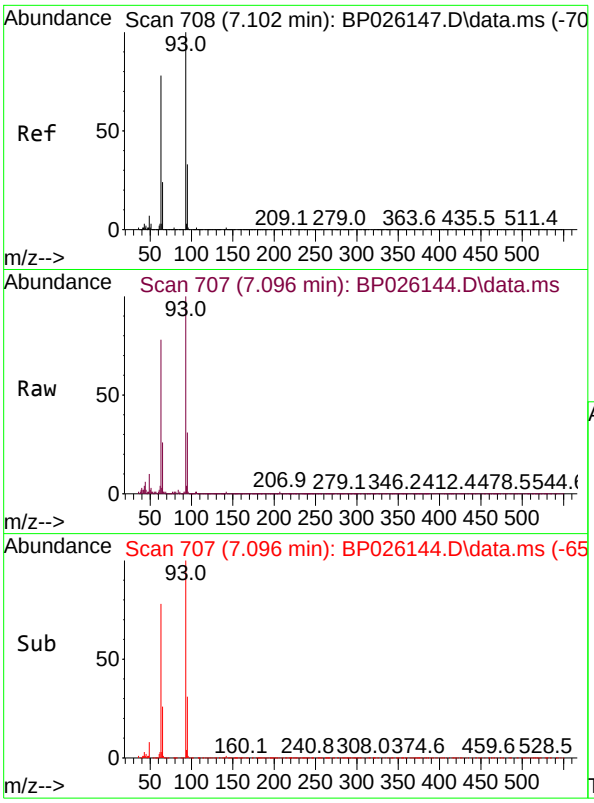


#10
Phenol
Concen: 4.615 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 94 Resp: 102514

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.0	47.0
66	38.6	14.5	54.5



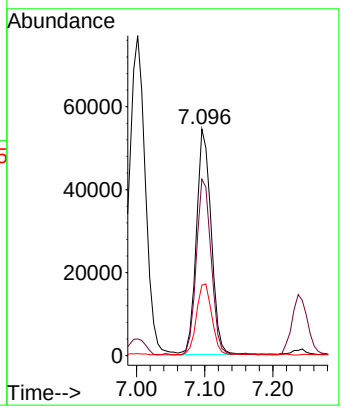


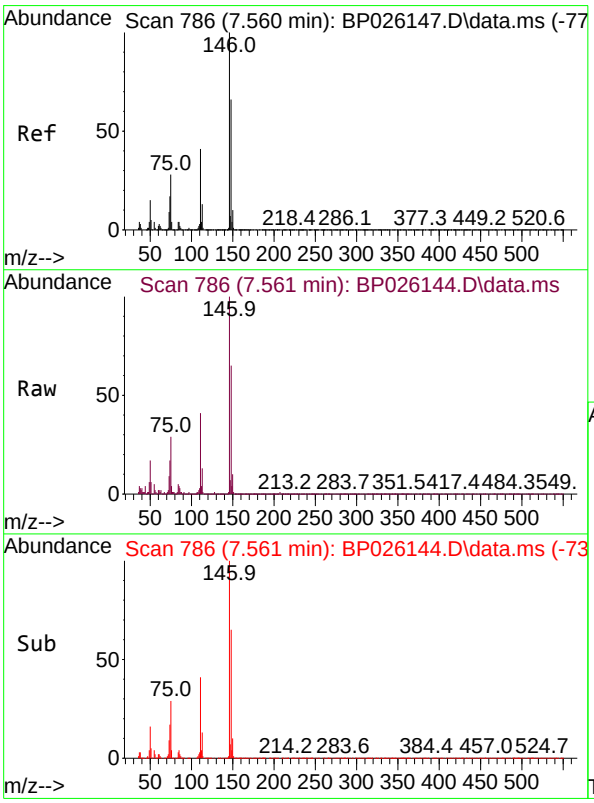
#11
bis(2-Chloroethyl)ether
Concen: 4.649 ng
RT: 7.096 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 81759

Ion	Ratio	Lower	Upper
93	100		
63	77.9	58.8	98.8
95	31.1	12.1	52.1

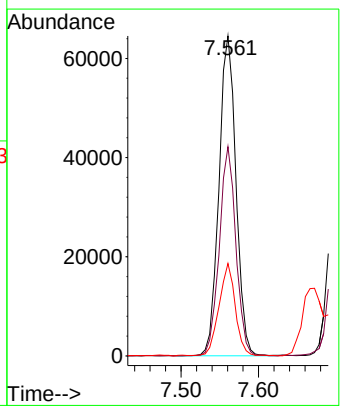


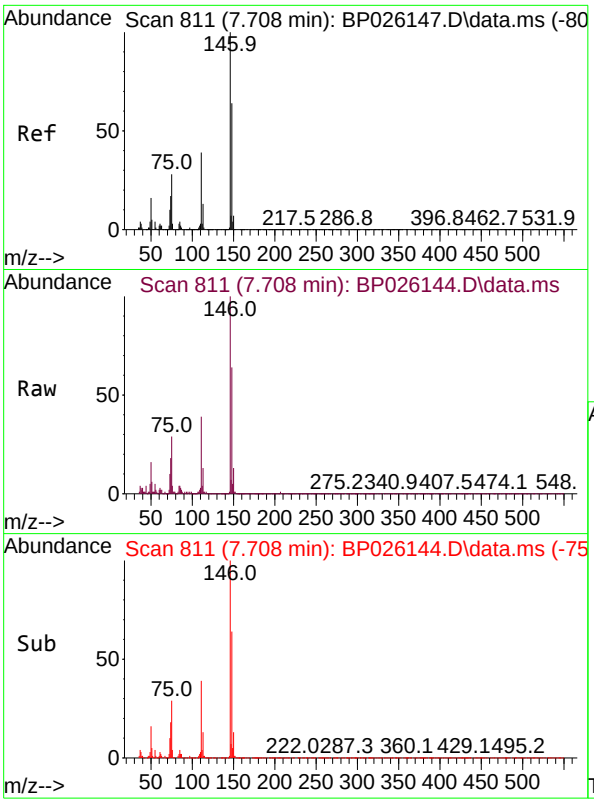


#12
1,3-Dichlorobenzene
Concen: 4.925 ng
RT: 7.561 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:146 Resp: 98674

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.8
75	28.9	22.2	33.2



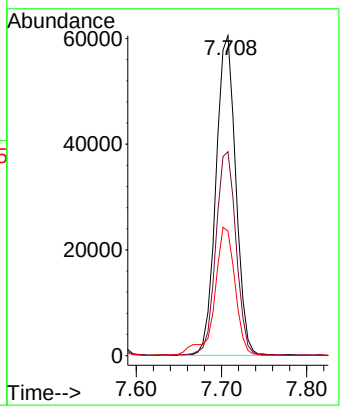


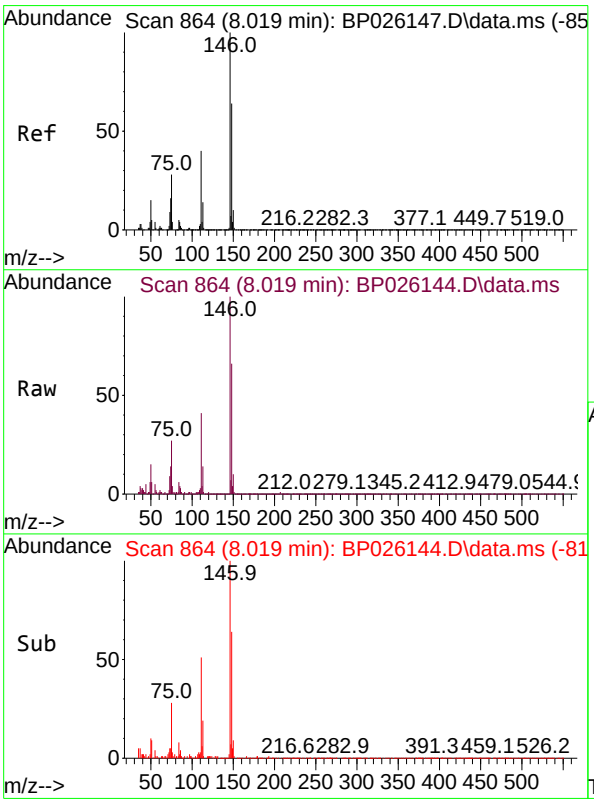
#13
1,4-Dichlorobenzene
Concen: 4.815 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 97655

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	38.9	31.7	47.5

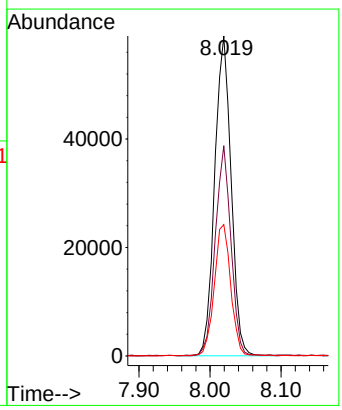


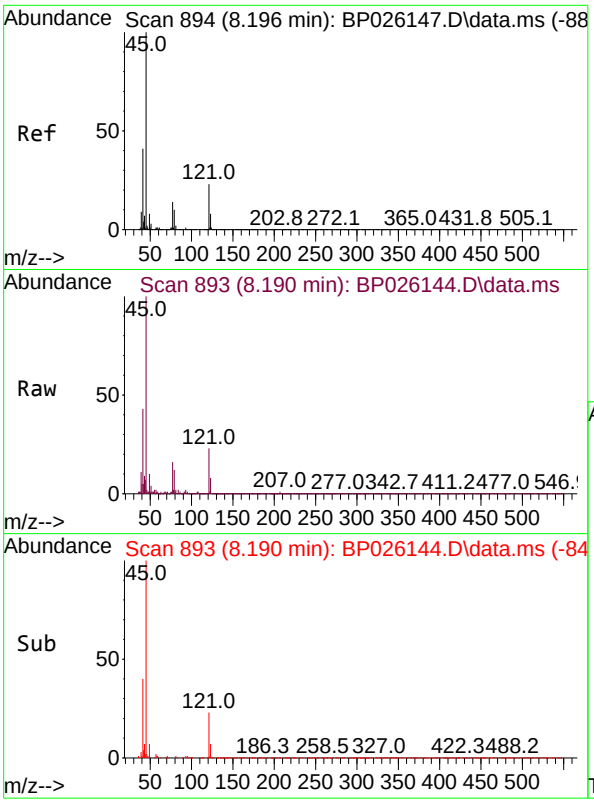


#14
1,2-Dichlorobenzene
Concen: 4.899 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:146 Resp: 94897

Ion	Ratio	Lower	Upper
146	100		
148	65.7	51.0	76.6
111	41.0	33.0	49.4



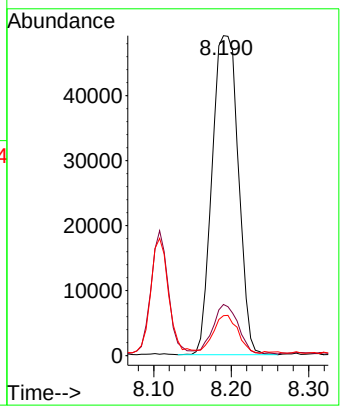


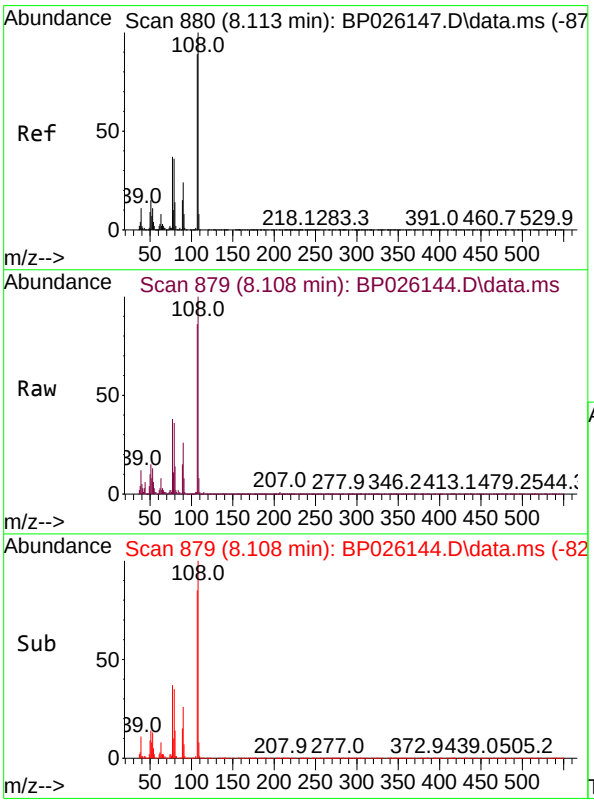
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.387 ng
RT: 8.190 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 115566

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	33.9
79	12.5	0.0	30.4

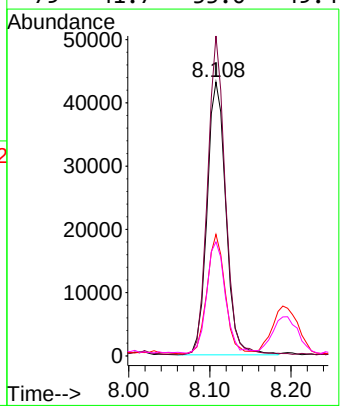


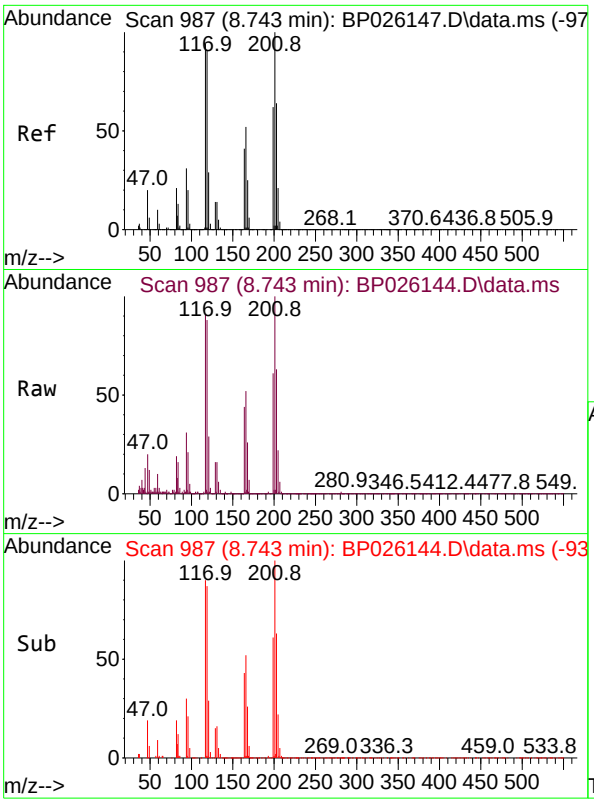


#17
2-Methylphenol
Concen: 4.771 ng
RT: 8.108 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:107 Resp: 69679

Ion	Ratio	Lower	Upper
107	100		
108	116.9	89.7	134.5
77	44.4	33.9	50.9
79	41.7	33.0	49.4



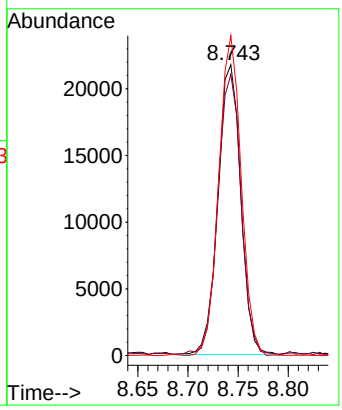


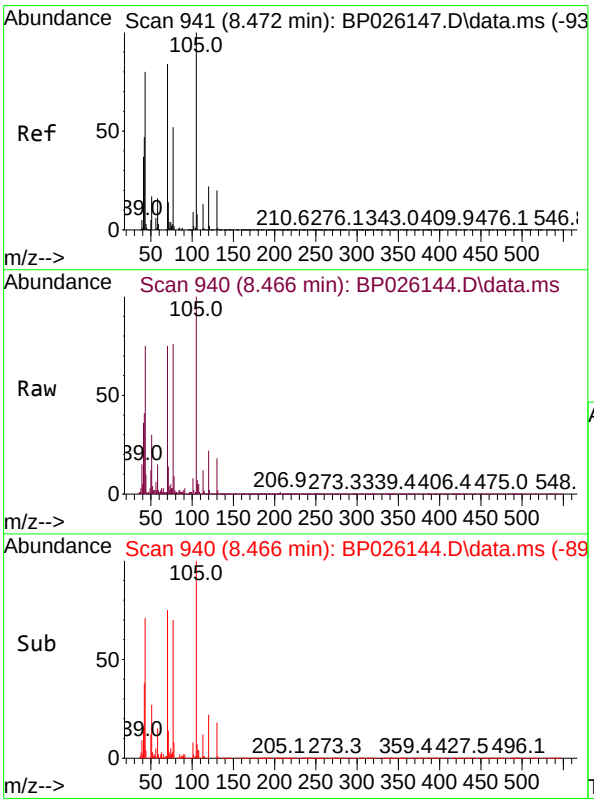
#18
Hexachloroethane
Concen: 4.908 ng
RT: 8.743 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 34390

Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.7	118.1
201	110.0	85.1	127.7

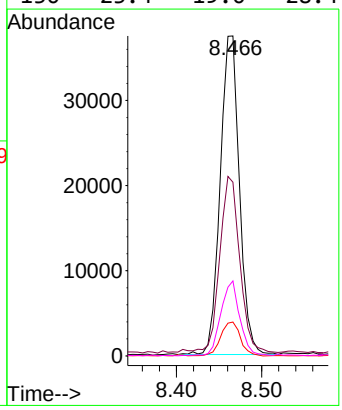


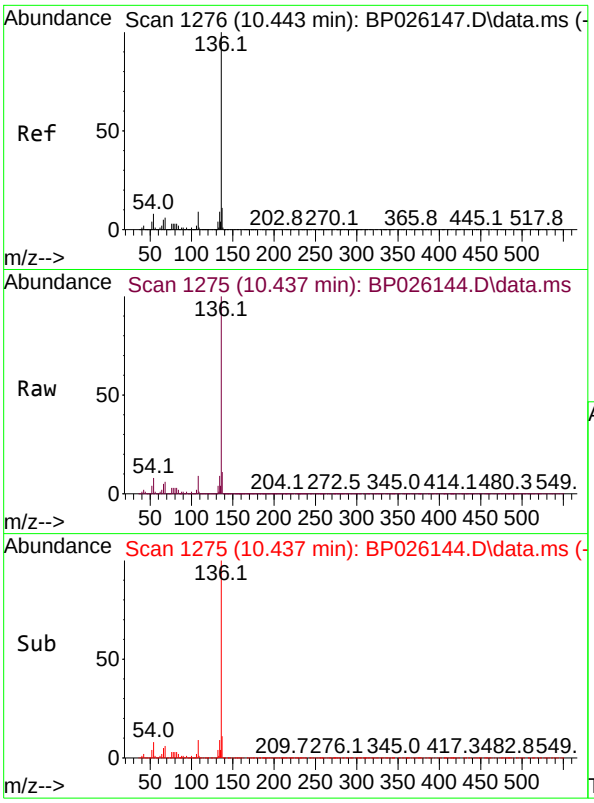


#19
n-Nitroso-di-n-propylamine
Concen: 4.718 ng
RT: 8.466 min Scan# 940
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 70 Resp: 58743

Ion	Ratio	Lower	Upper
70	100		
42	54.3	44.1	66.1
101	10.6	8.2	12.4
130	23.4	19.0	28.4



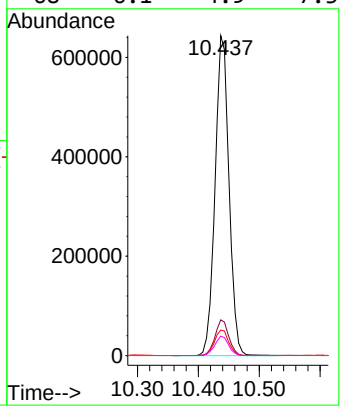


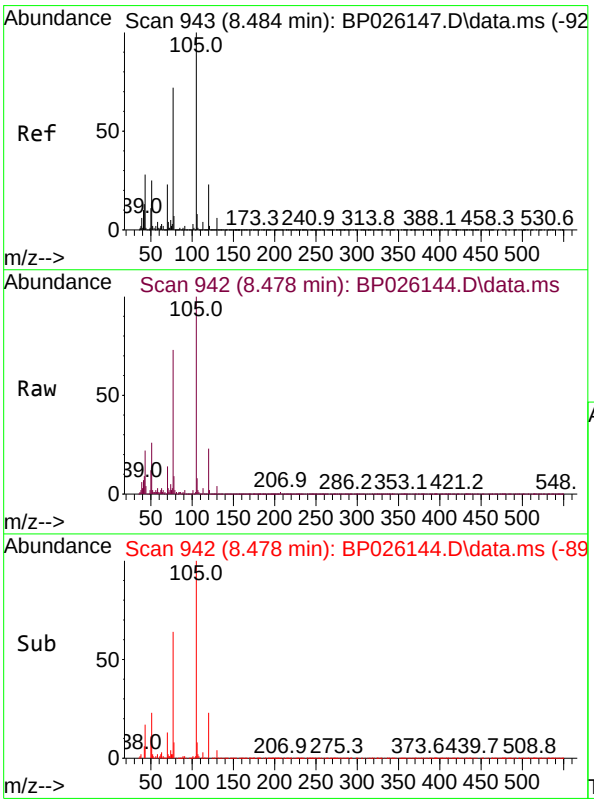
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 1023584

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.0	6.4	9.6
68	6.1	4.9	7.3

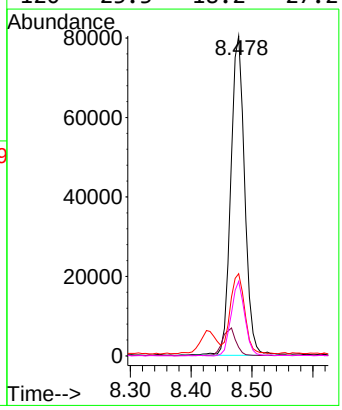


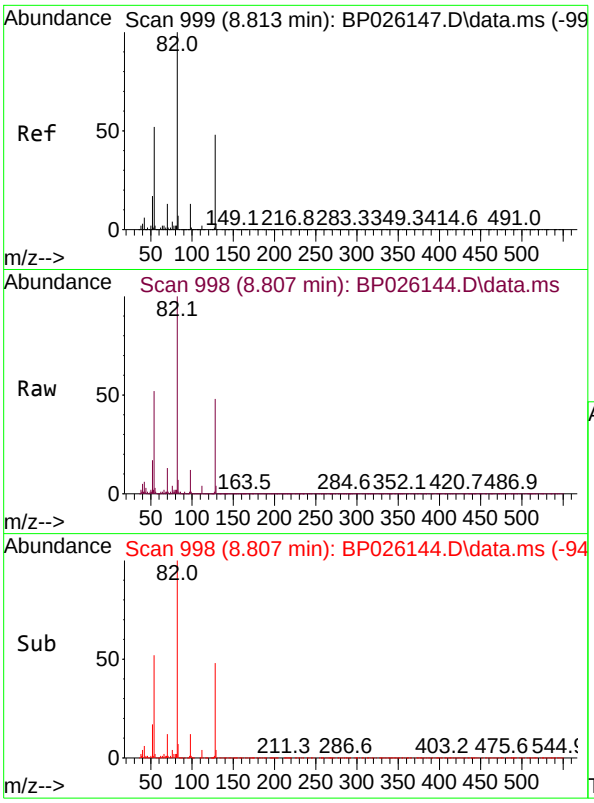


#22
Acetophenone
Concen: 4.927 ng
RT: 8.478 min Scan# 942
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:105 Resp: 127156

Ion	Ratio	Lower	Upper
105	100		
71	2.7	3.0	4.4#
51	25.7	20.5	30.7
120	23.3	18.2	27.2



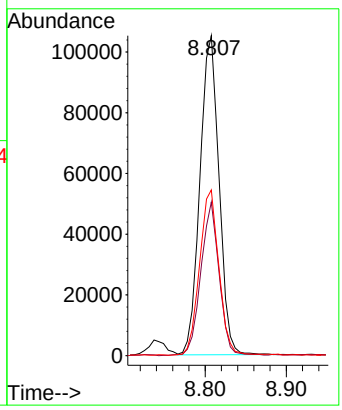


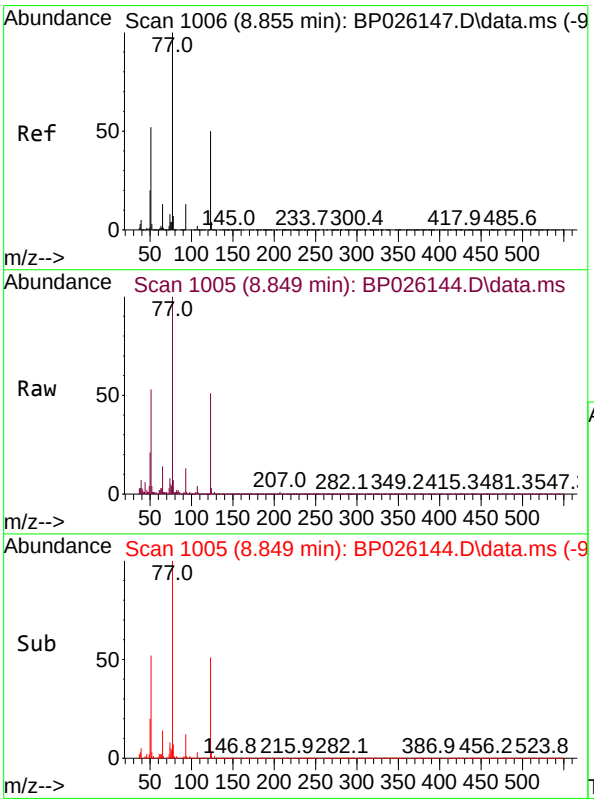
#23
Nitrobenzene-d5
Concen: 10.379 ng
RT: 8.807 min Scan# 99
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 171702

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.0
54	51.8	41.6	62.4

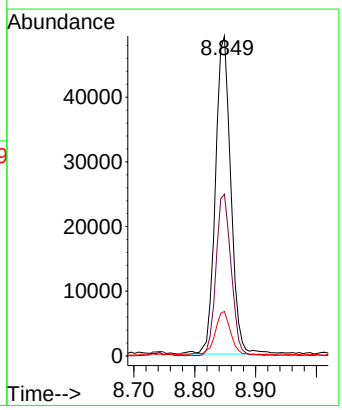


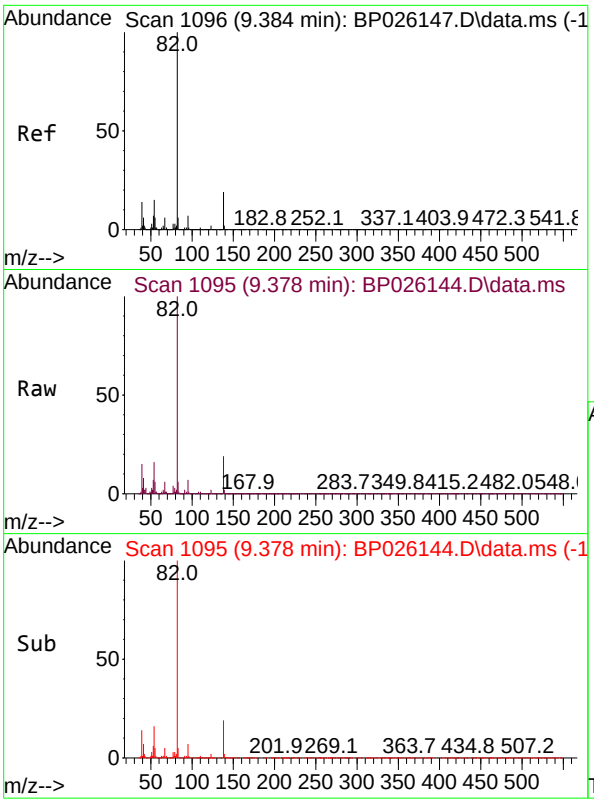


#24
Nitrobenzene
Concen: 5.006 ng
RT: 8.849 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 77 Resp: 86731

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.8	59.8
65	13.9	11.2	16.8



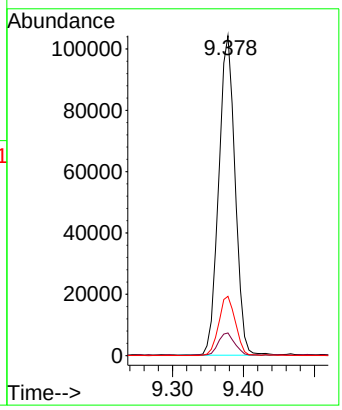


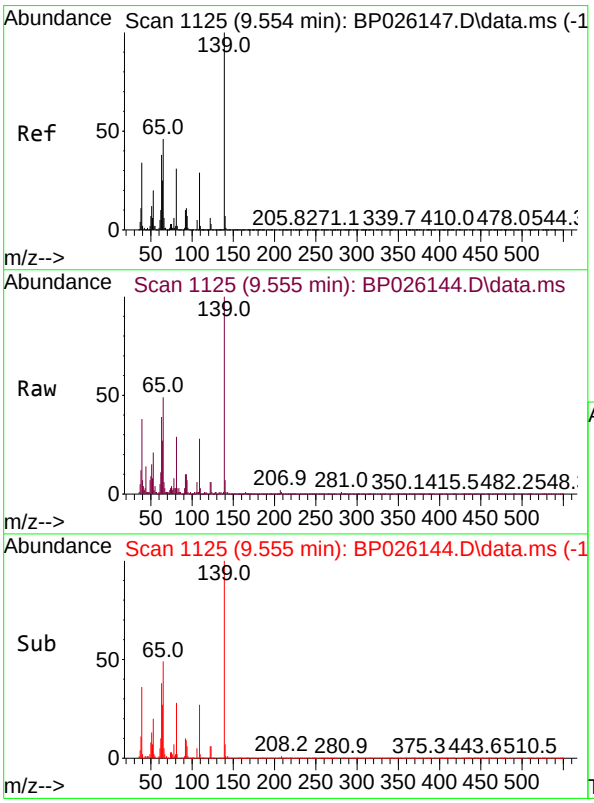
#25
Isophorone
Concen: 4.787 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 167606

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	18.5	15.4	23.0

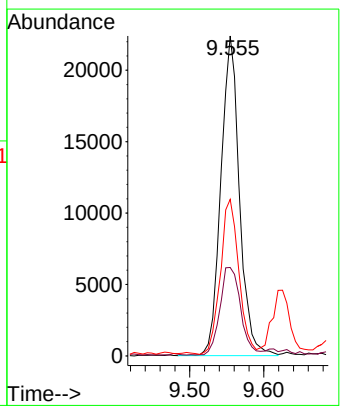


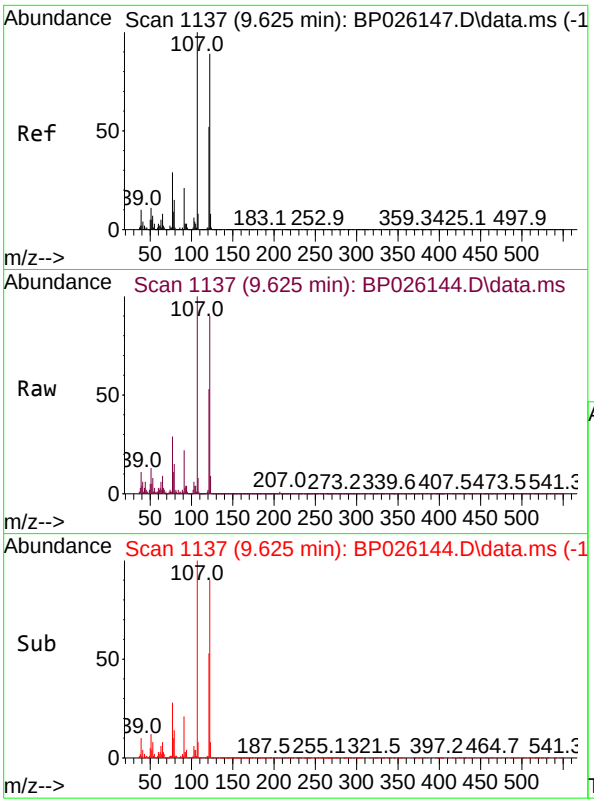


#26
2-Nitrophenol
Concen: 6.573 ng
RT: 9.555 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:139 Resp: 38871

Ion	Ratio	Lower	Upper
139	100		
109	27.6	22.3	33.5
65	48.9	37.2	55.8



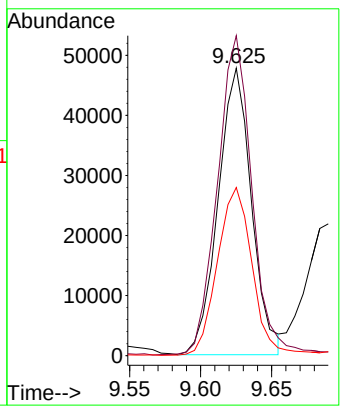


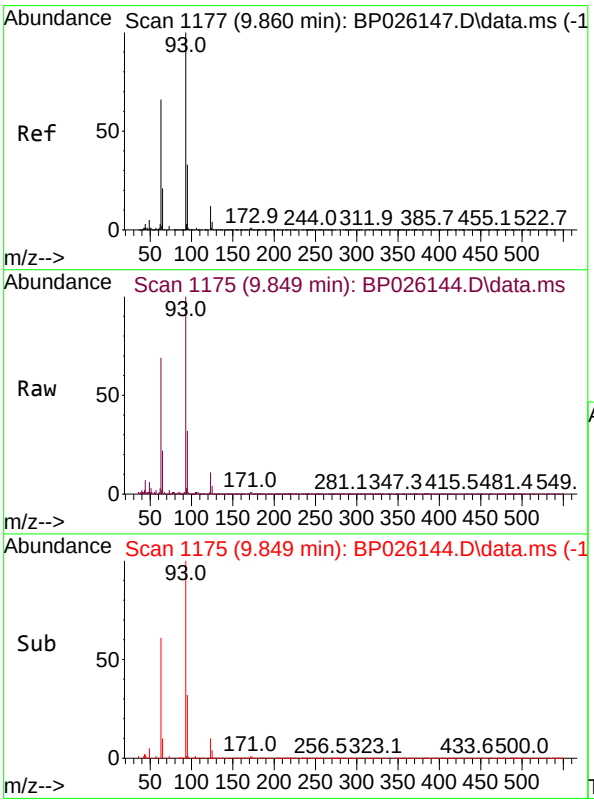
#27
2,4-Dimethylphenol
Concen: 5.220 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 78015

Ion	Ratio	Lower	Upper
122	100		
107	111.3	91.0	136.6
121	58.5	47.0	70.6

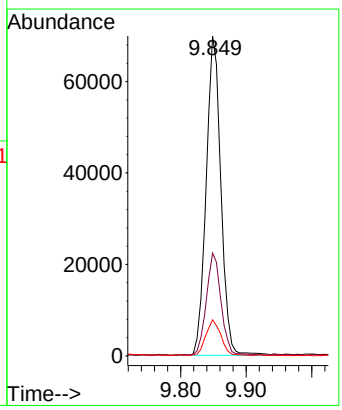


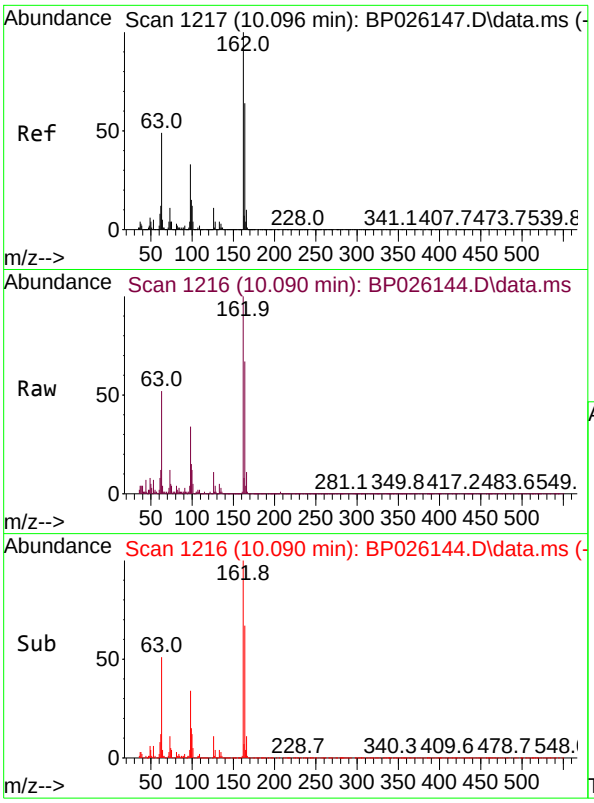


#28
bis(2-Chloroethoxy)methane
Concen: 4.925 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 93 Resp: 108845

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.4	39.6
123	11.3	9.4	14.0



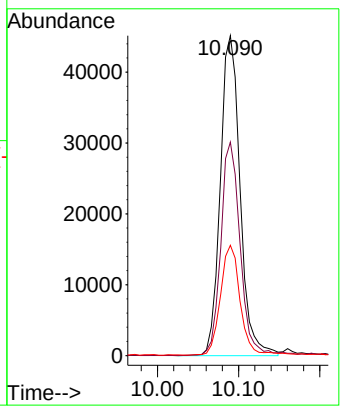


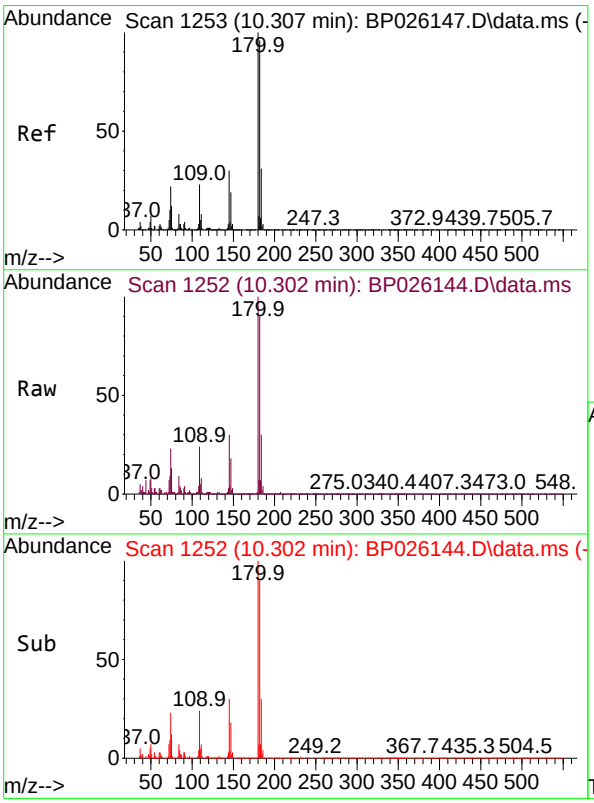
#29
2,4-Dichlorophenol
Concen: 4.893 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 76304

Ion	Ratio	Lower	Upper
162	100		
164	66.7	43.8	83.8
98	34.5	14.1	54.1

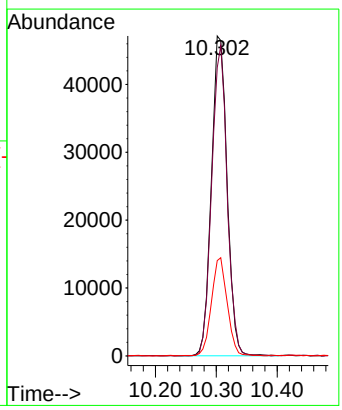


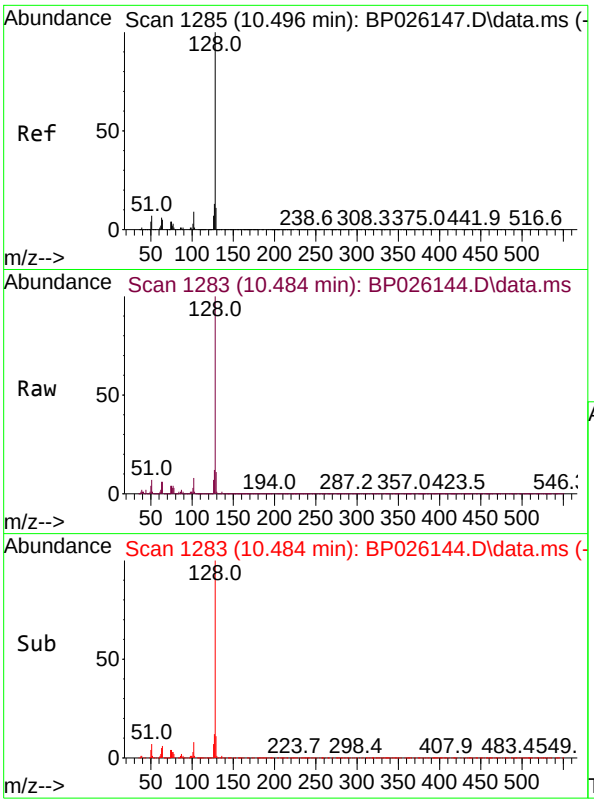


#30
1,2,4-Trichlorobenzene
Concen: 5.002 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:180 Resp: 84591

Ion	Ratio	Lower	Upper
180	100		
182	90.1	78.1	117.1
145	29.8	24.2	36.4



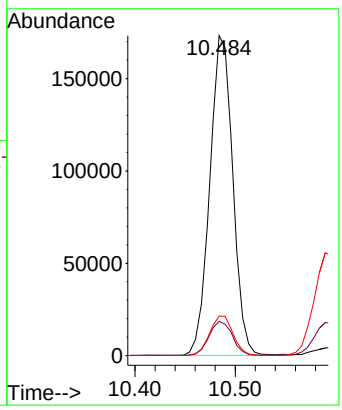


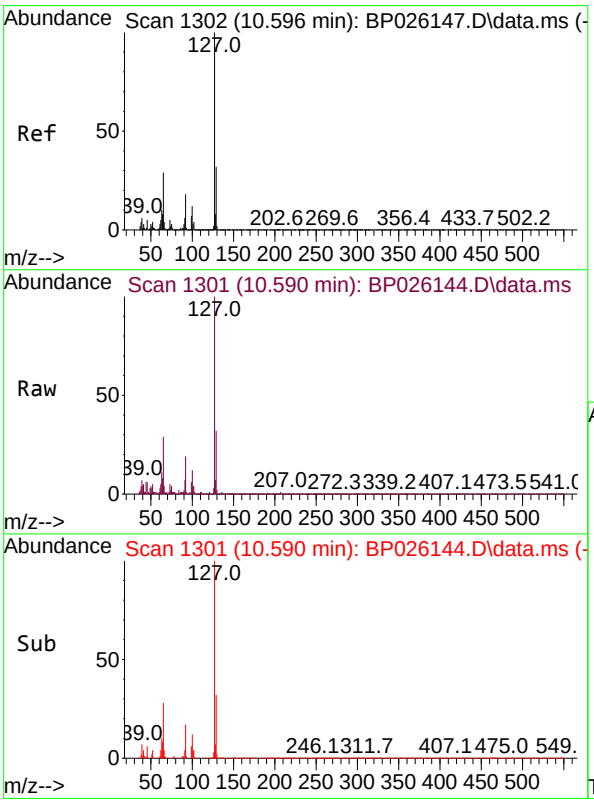
#31
Naphthalene
Concen: 4.976 ng
RT: 10.484 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 276491

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	12.3	10.2	15.4

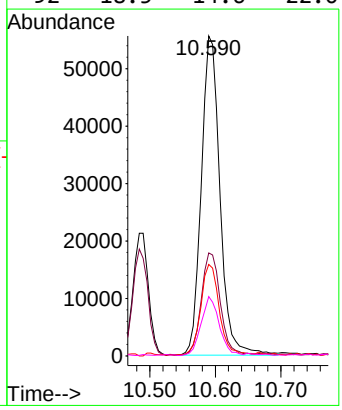


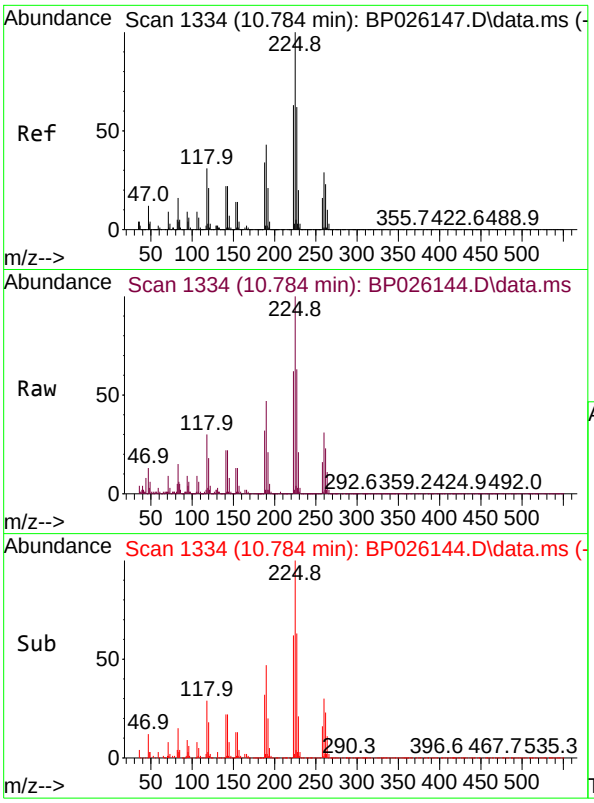


#33
4-Chloroaniline
Concen: 5.080 ng
RT: 10.590 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:127 Resp: 109680

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	28.6	22.7	34.1
92	18.5	14.6	22.0



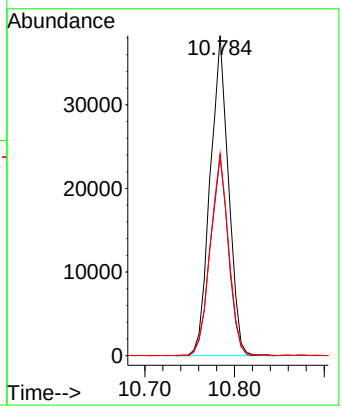


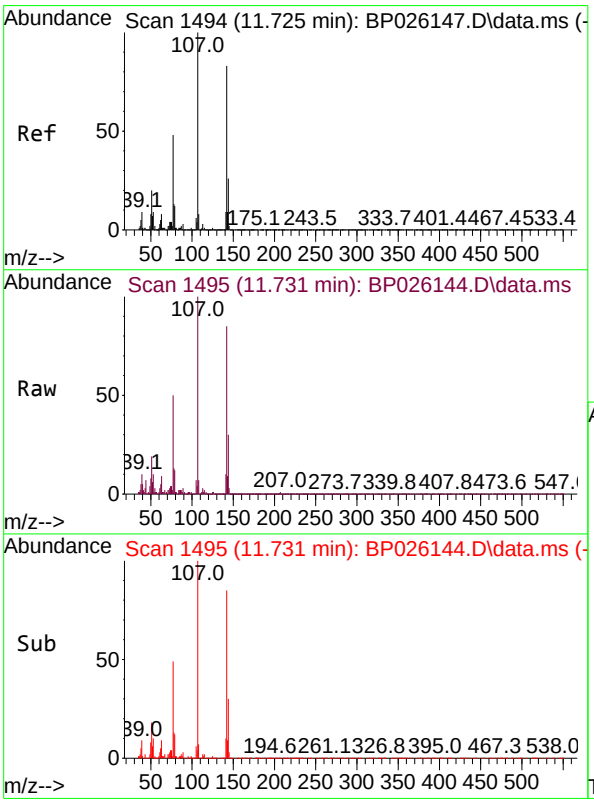
#34
Hexachlorobutadiene
Concen: 5.030 ng
RT: 10.784 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 54446

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	63.1	51.2	76.8

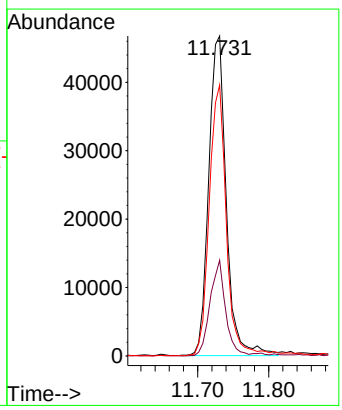


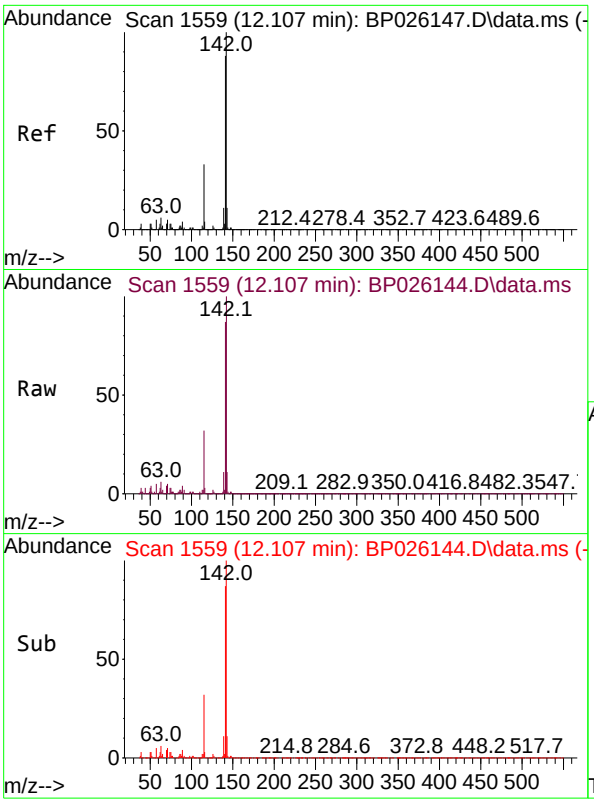


#36
4-Chloro-3-methylphenol
Concen: 4.924 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:107 Resp: 80314

Ion	Ratio	Lower	Upper
107	100		
144	29.9	21.6	32.4
142	84.7	65.6	98.4



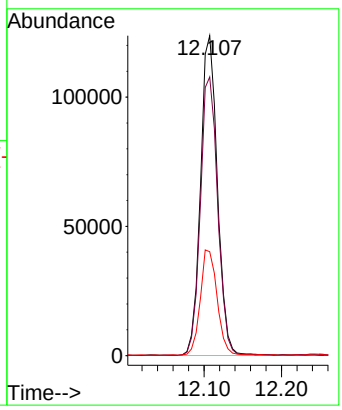


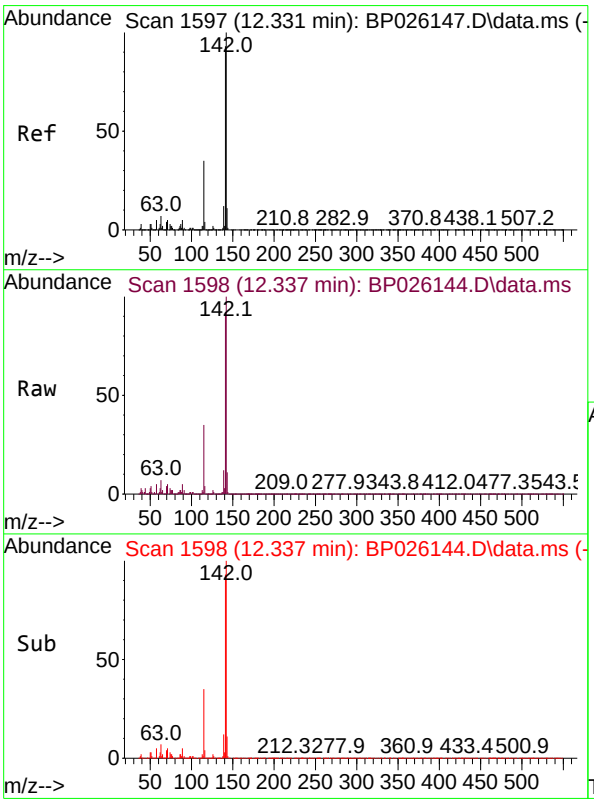
#37
2-Methylnaphthalene
Concen: 4.822 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 187351

Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.0	106.6
115	32.5	26.6	39.8

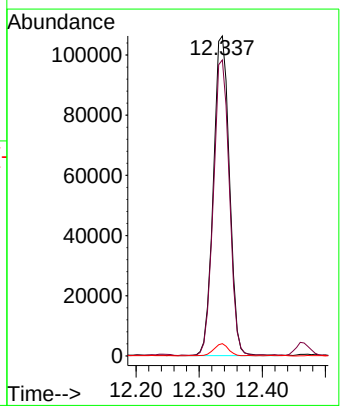


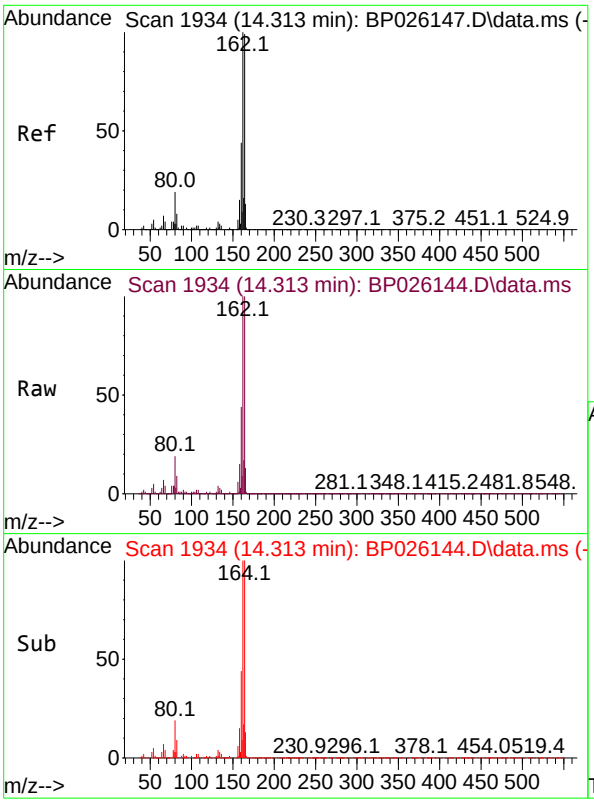


#38
1-Methylnaphthalene
Concen: 4.977 ng
RT: 12.337 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:142 Resp: 187981

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.5	110.3
116	3.8	3.0	4.4



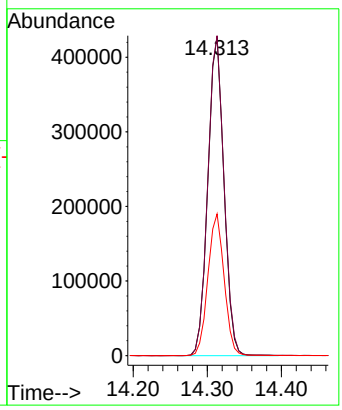


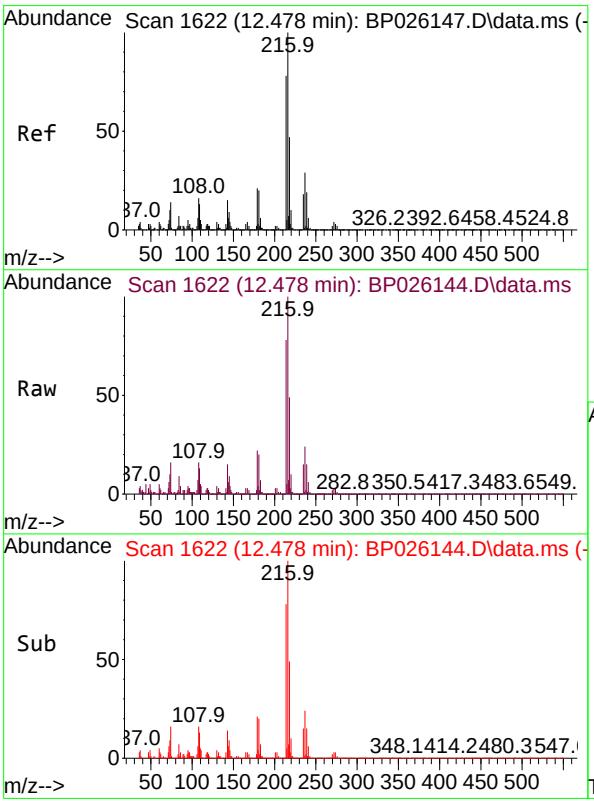
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 643620

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.3	120.5
160	44.4	35.2	52.8

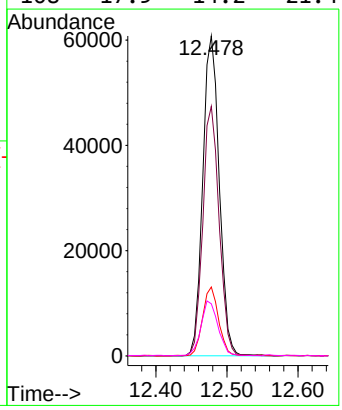


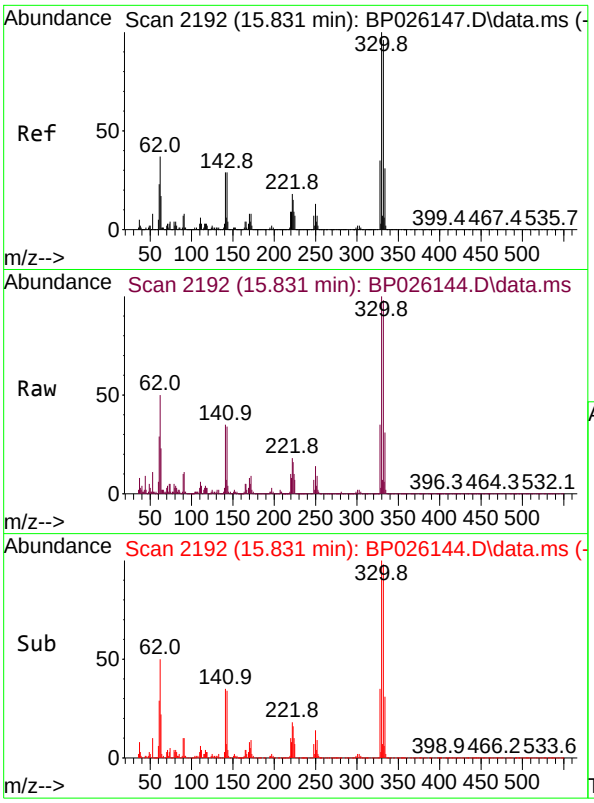


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.903 ng
RT: 12.478 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:216 Resp: 97644

Ion	Ratio	Lower	Upper
216	100		
214	77.2	62.6	94.0
179	20.7	16.6	25.0
108	17.9	14.2	21.4



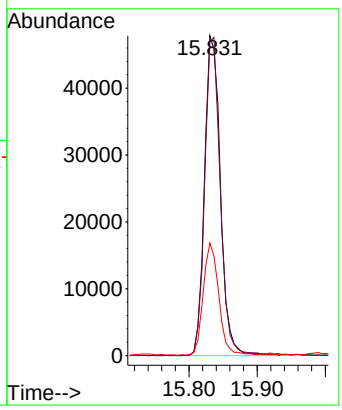


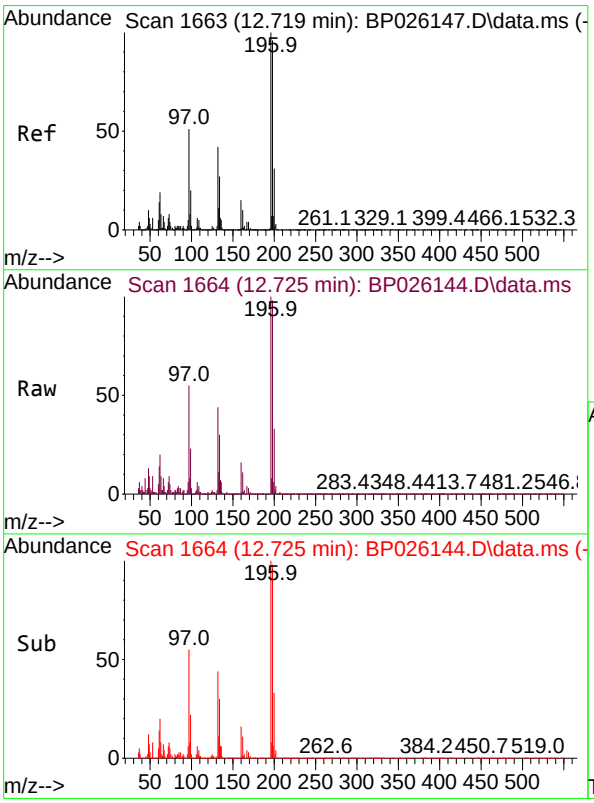
#42
2,4,6-Tribromophenol
Concen: 11.005 ng
RT: 15.831 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 77590

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	34.4	26.8	40.2

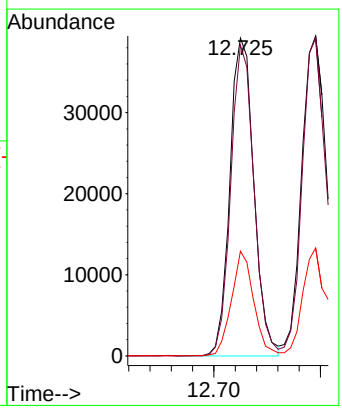


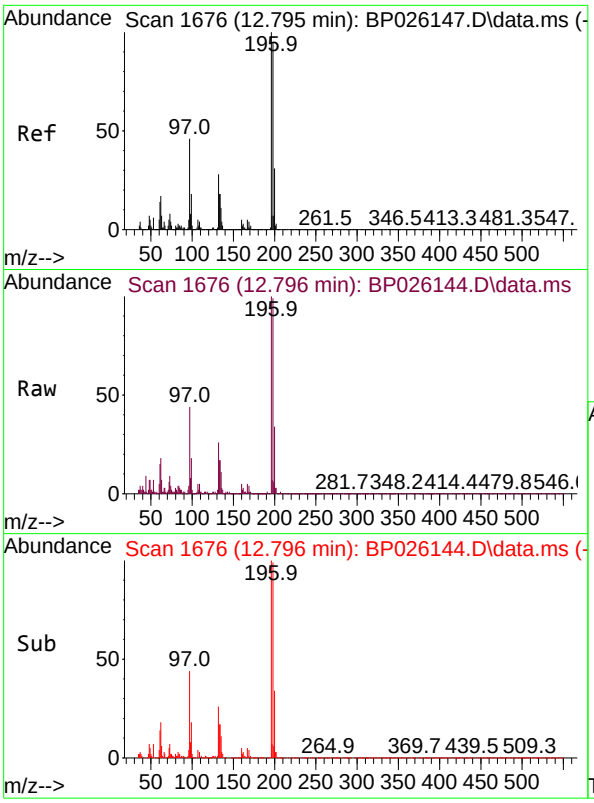


#43
2,4,6-Trichlorophenol
Concen: 5.131 ng
RT: 12.725 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:196 Resp: 61137

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.9	115.3
200	33.0	24.6	37.0



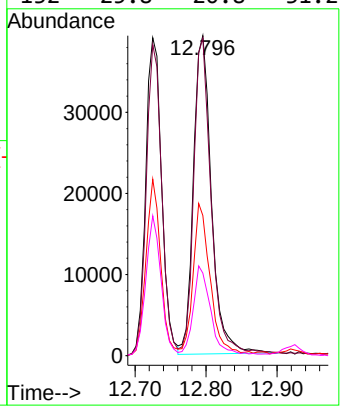


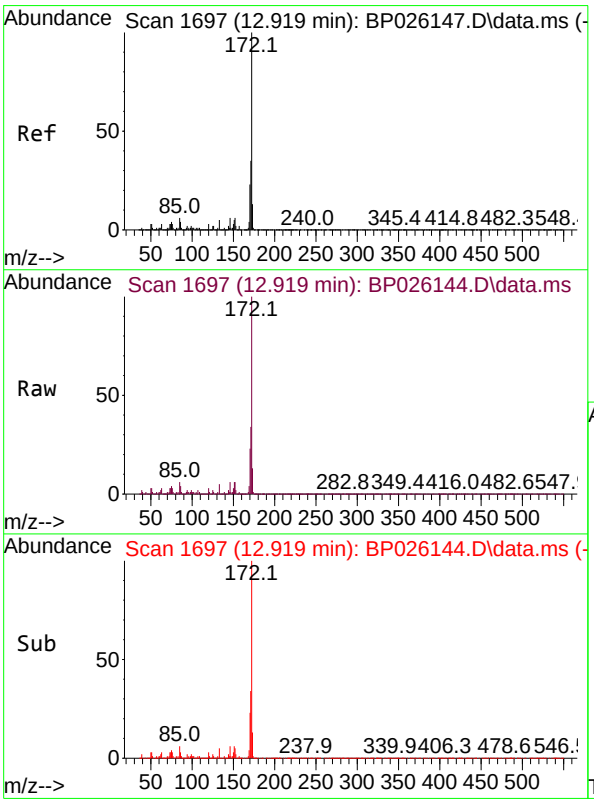
#44
2,4,5-Trichlorophenol
Concen: 5.093 ng
RT: 12.796 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 68937

Ion	Ratio	Lower	Upper
196	100		
198	99.2	76.4	114.6
97	43.8	35.7	53.5
132	25.8	20.8	31.2

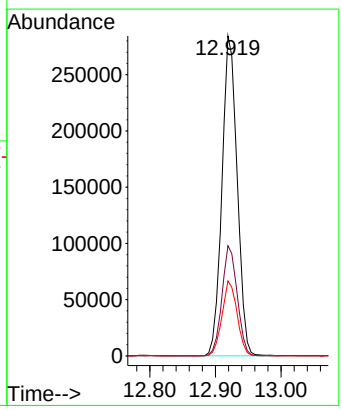


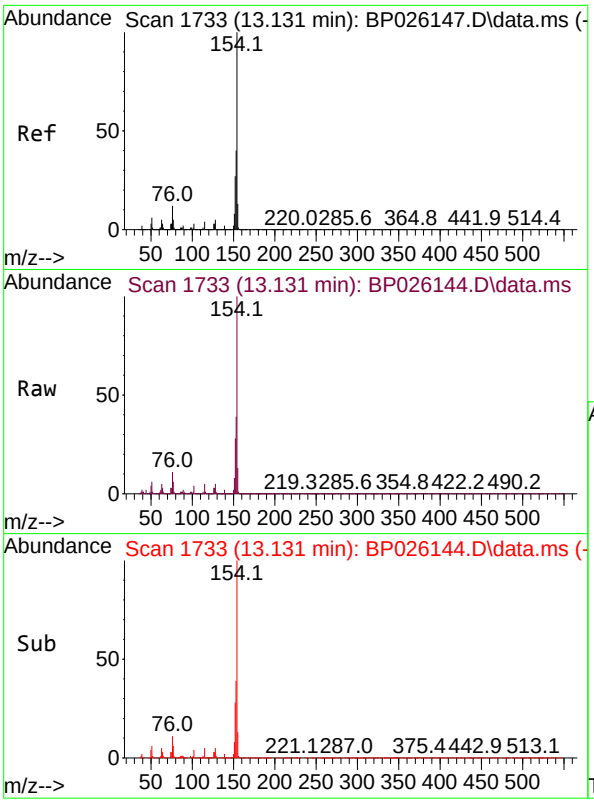


#45
2-Fluorobiphenyl
Concen: 10.313 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:172 Resp: 460038

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.4
170	23.4	18.7	28.1



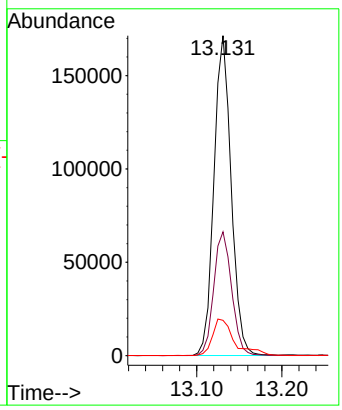


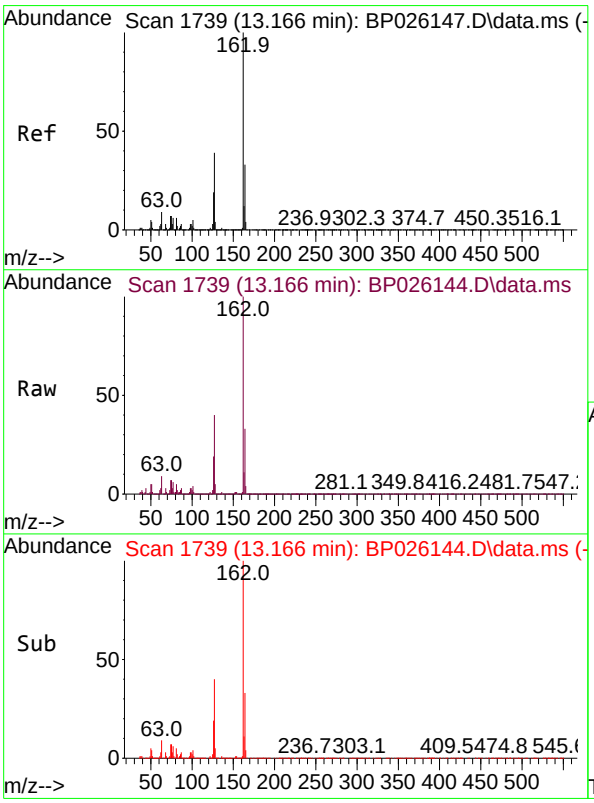
#46
1,1'-Biphenyl
Concen: 4.917 ng
RT: 13.131 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 241240

Ion	Ratio	Lower	Upper
154	100		
153	38.7	20.3	60.3
76	11.0	0.0	32.3

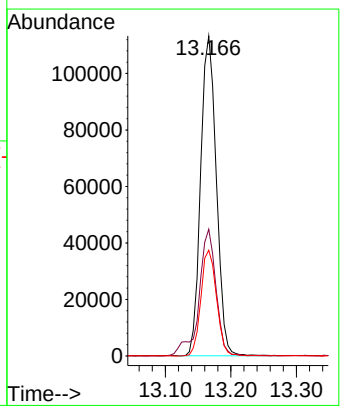


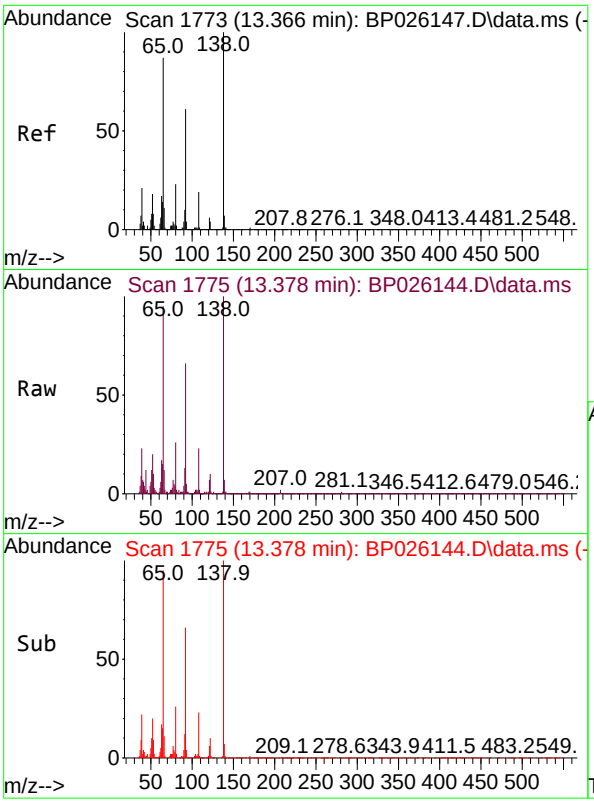


#47
2-Chloronaphthalene
Concen: 4.870 ng
RT: 13.166 min Scan# 1739
Delta R.T. -0.017 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:162 Resp: 187850

Ion	Ratio	Lower	Upper
162	100		
127	39.6	30.9	46.3
164	33.0	26.4	39.6



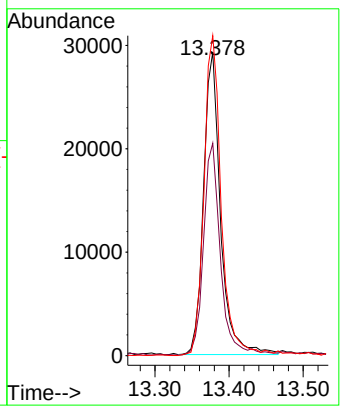


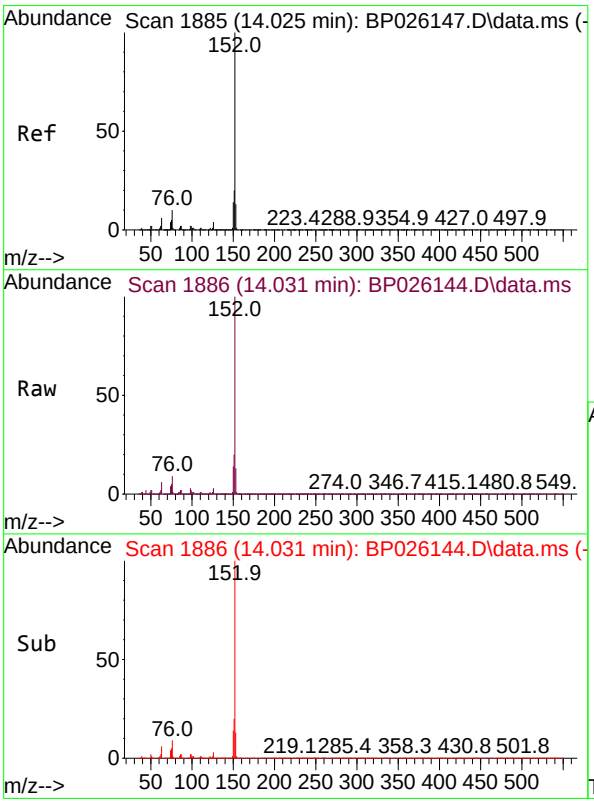
#48
2-Nitroaniline
Concen: 5.239 ng
RT: 13.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 46485

Ion	Ratio	Lower	Upper
65	100		
92	70.0	59.1	88.7
138	105.4	96.6	145.0

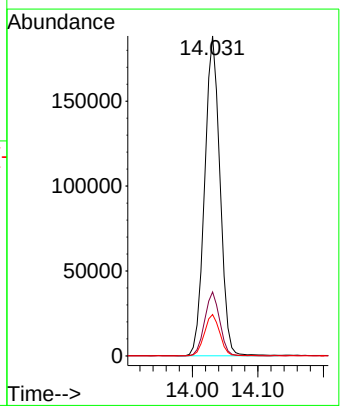


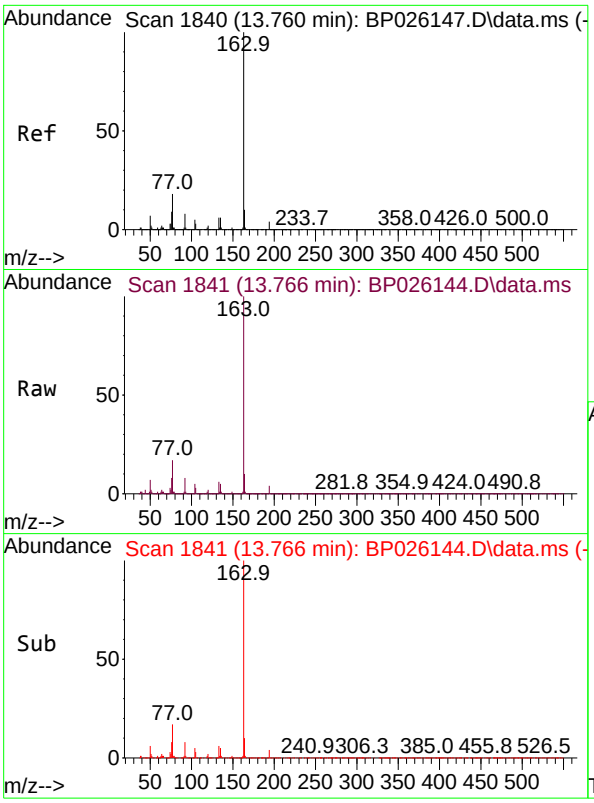


#49
Acenaphthylene
Concen: 5.334 ng
RT: 14.031 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:152 Resp: 304102

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	12.9	10.6	16.0



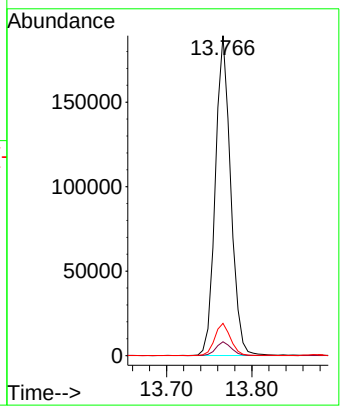


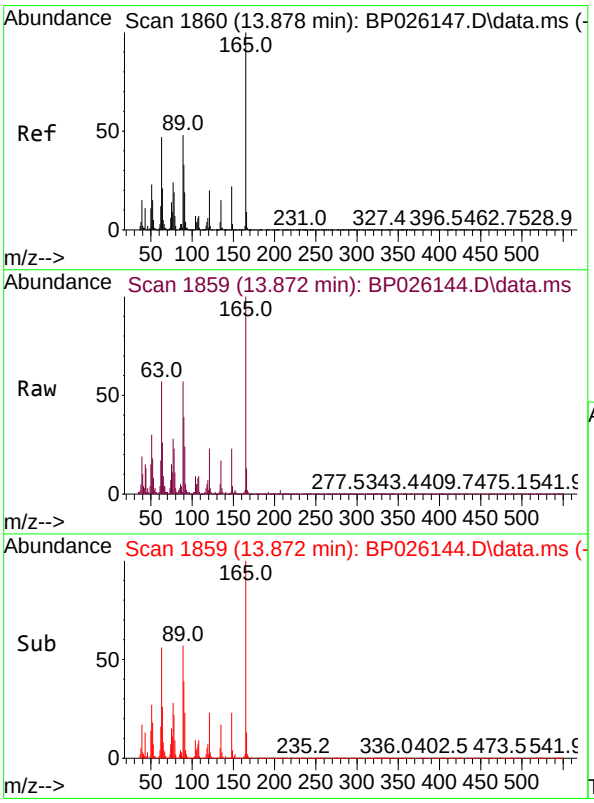
#50
Dimethylphthalate
Concen: 5.077 ng
RT: 13.766 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 236591

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.1	8.2	12.2

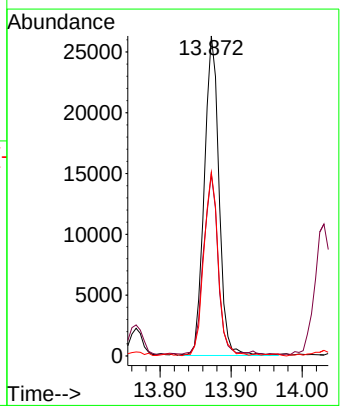


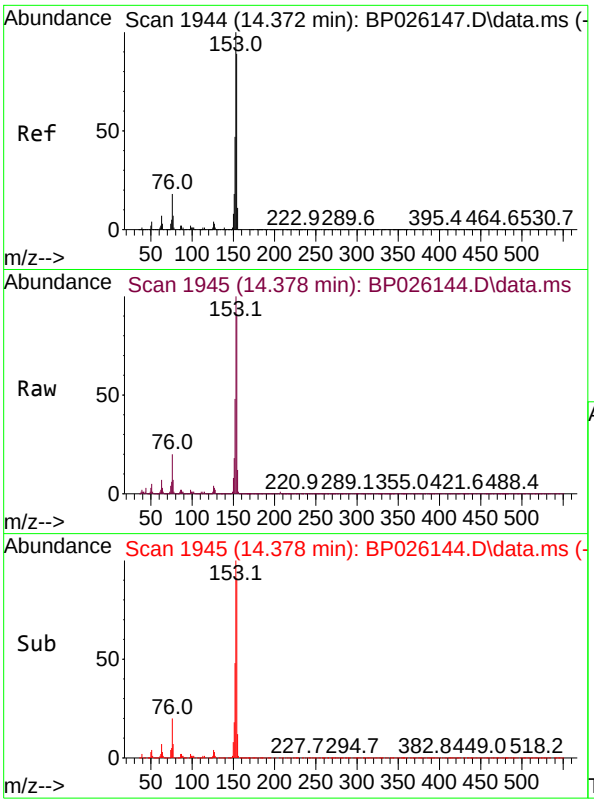


#51
2,6-Dinitrotoluene
Concen: 4.835 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:165 Resp: 37885

Ion	Ratio	Lower	Upper
165	100		
63	56.8	40.5	60.7
89	57.3	41.3	61.9



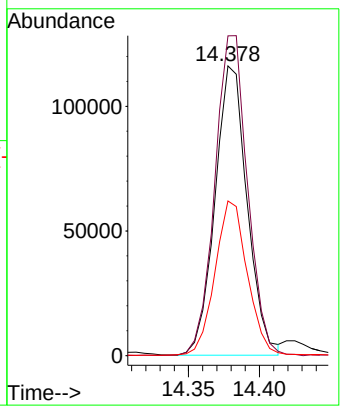


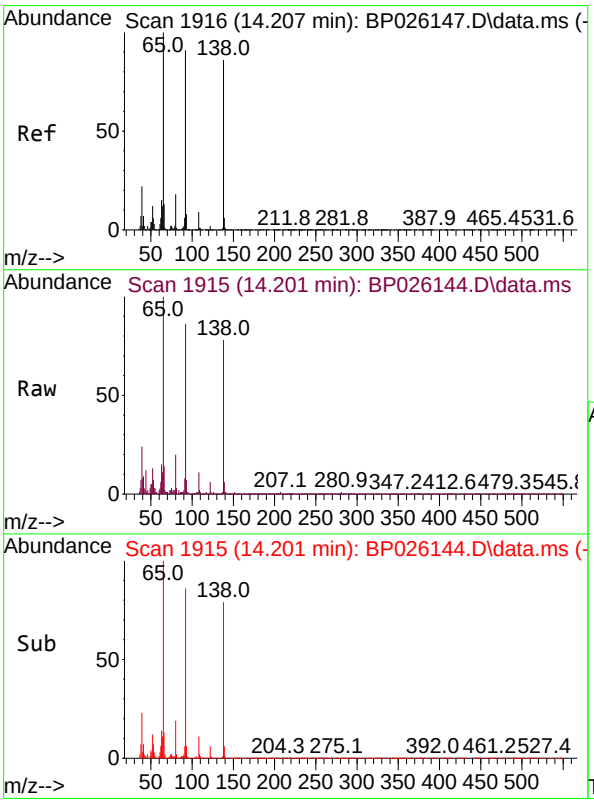
#52
Acenaphthene
Concen: 4.803 ng
RT: 14.378 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 183221

Ion	Ratio	Lower	Upper
154	100		
153	110.3	90.7	136.1
152	53.4	42.8	64.2

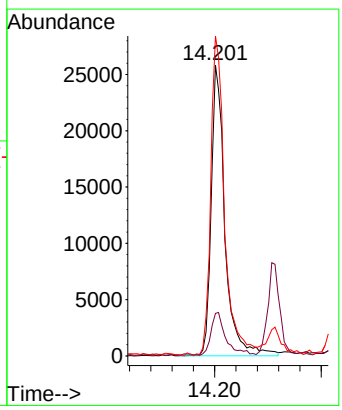


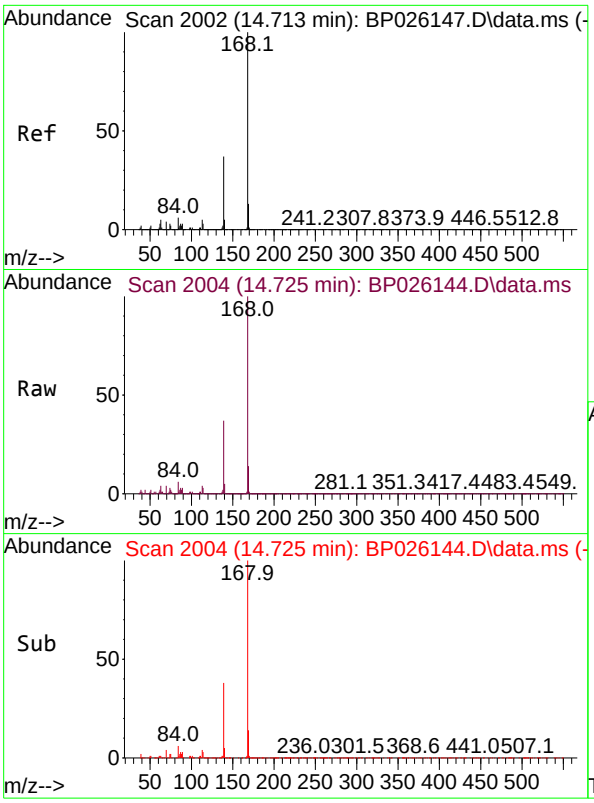


#53
3-Nitroaniline
Concen: 4.861 ng
RT: 14.201 min Scan# 1915
Delta R.T. -0.017 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:138 Resp: 46080

Ion	Ratio	Lower	Upper
138	100		
108	14.6	8.9	13.3#
92	110.1	86.3	129.5



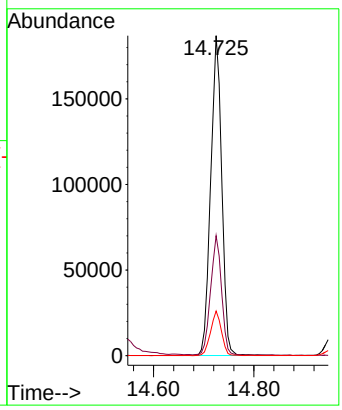


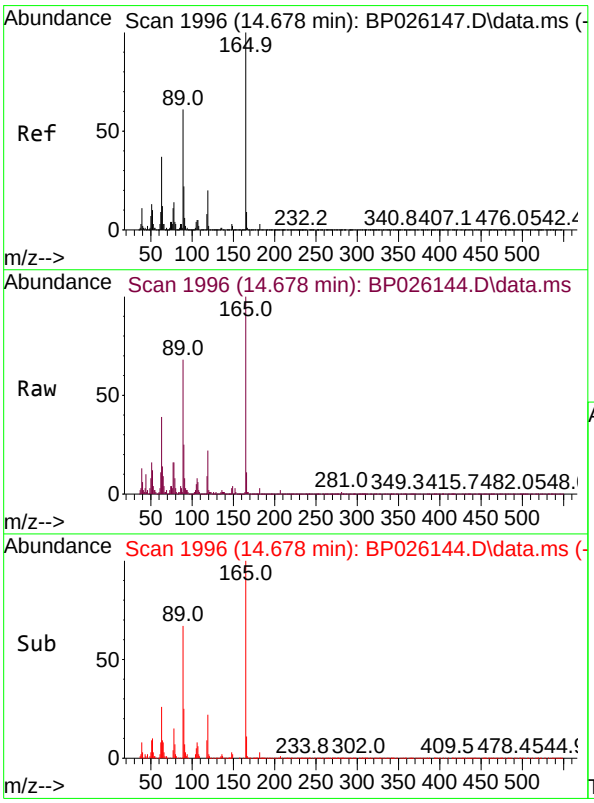
#55
Dibenzofuran
Concen: 4.928 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 286273

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.6
169	14.0	10.9	16.3

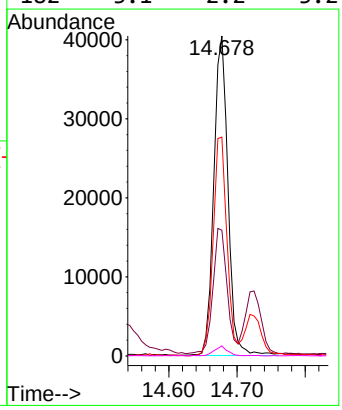


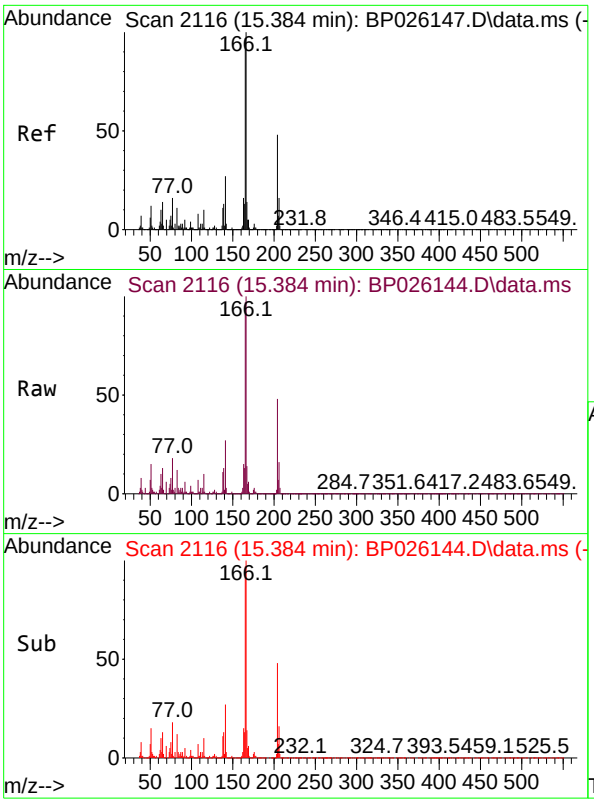


#57
2,4-Dinitrotoluene
Concen: 5.089 ng
RT: 14.678 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:165 Resp: 58186

Ion	Ratio	Lower	Upper
165	100		
63	39.3	31.0	46.6
89	68.4	51.7	77.5
182	3.1	2.2	3.2



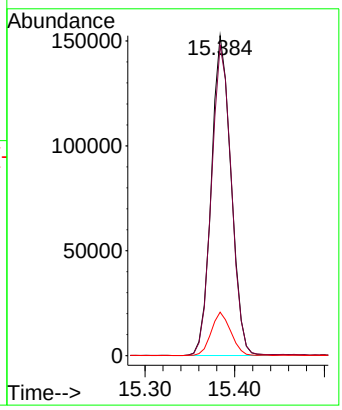


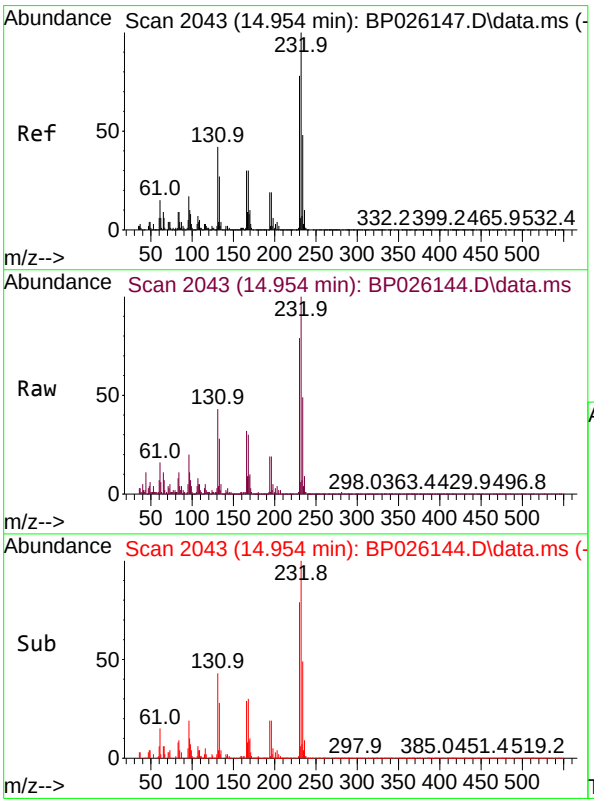
#58
Fluorene
Concen: 5.102 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 232855

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.9	116.9
167	13.6	11.0	16.4

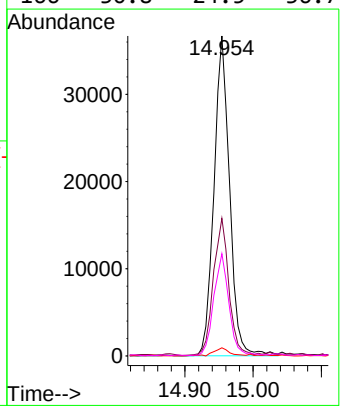


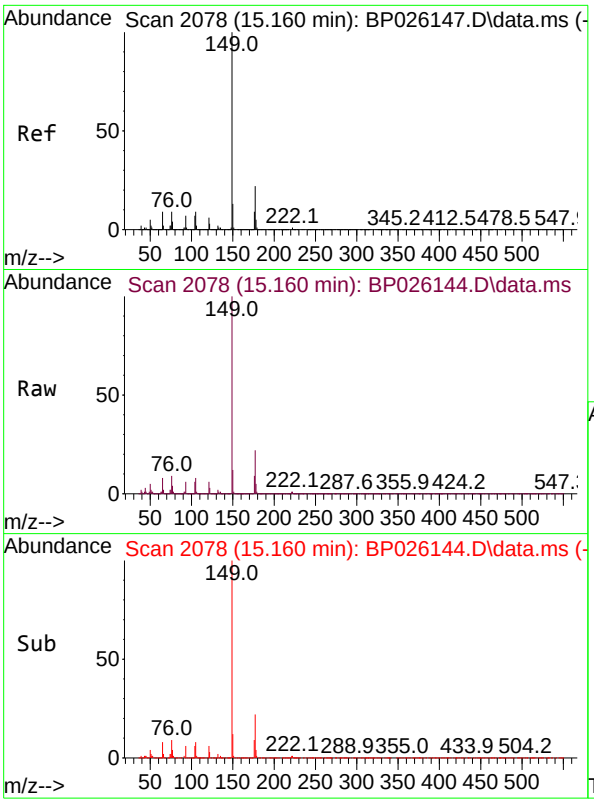


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.425 ng
RT: 14.954 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:232 Resp: 58158

Ion	Ratio	Lower	Upper
232	100		
131	42.5	34.8	52.2
130	2.6	1.8	2.8
166	30.8	24.5	36.7



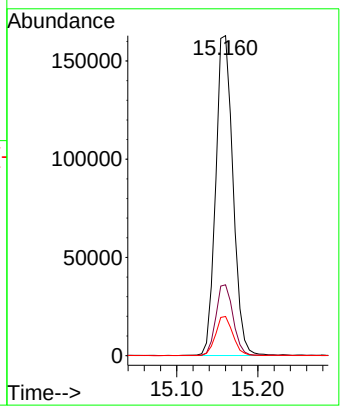


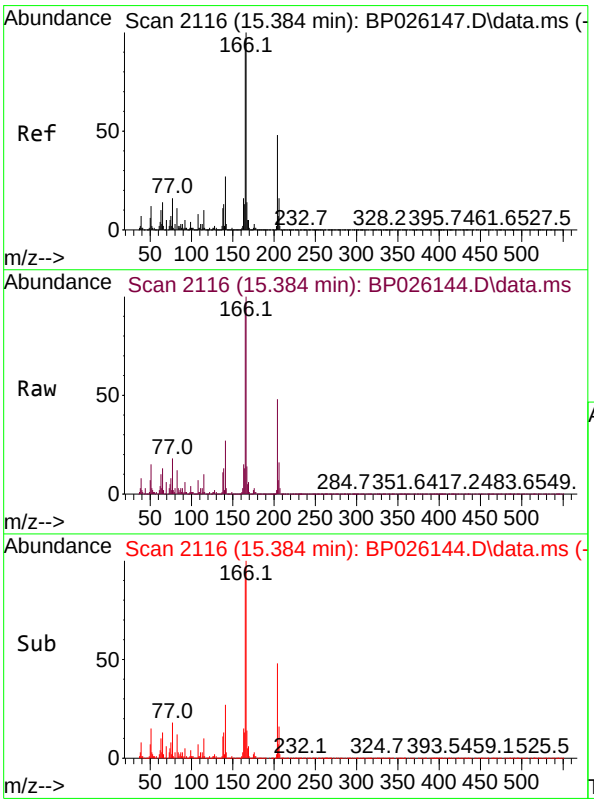
#60
Diethylphthalate
Concen: 5.123 ng
RT: 15.160 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 240172

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.9	26.9
150	12.2	9.9	14.9

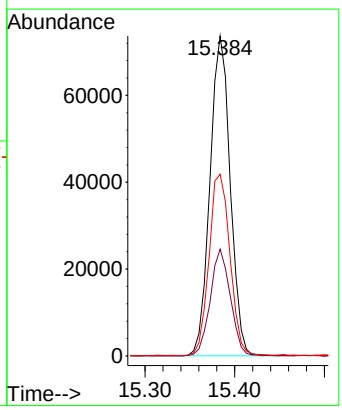


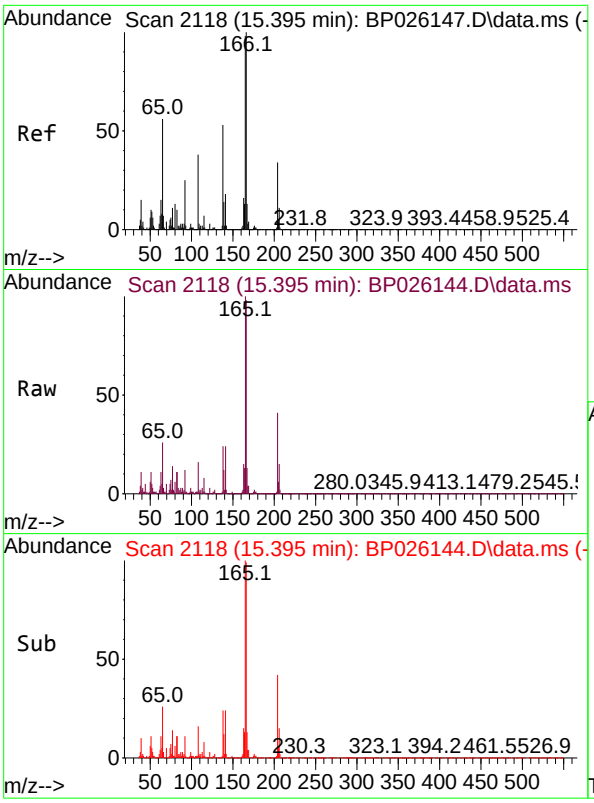


#61
4-Chlorophenyl-phenylether
Concen: 5.076 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:204 Resp: 115474

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.2
141	56.8	48.1	72.1



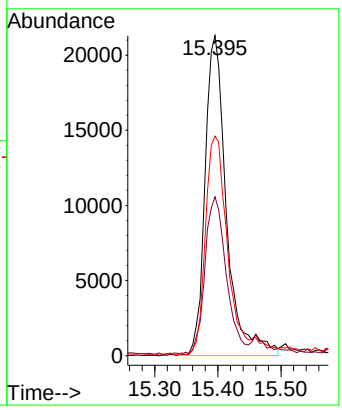


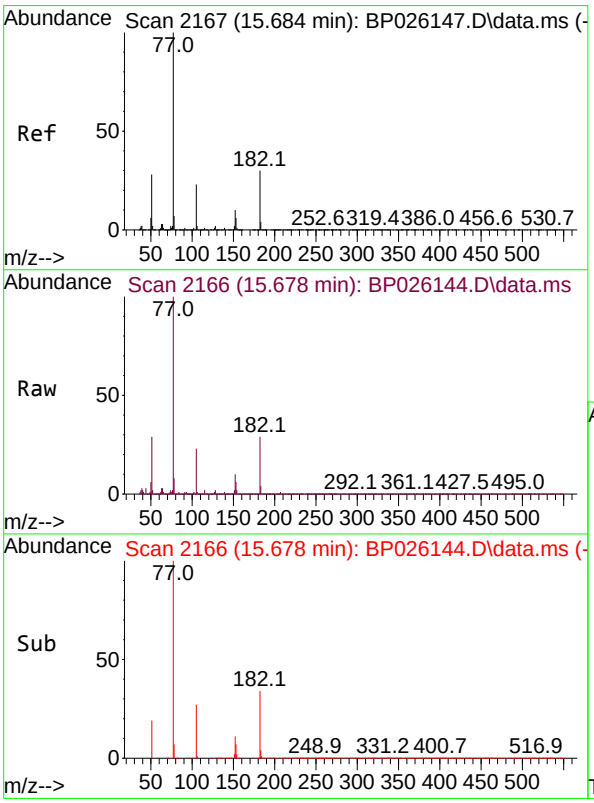
#62
4-Nitroaniline
Concen: 5.003 ng
RT: 15.395 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 50292

Ion	Ratio	Lower	Upper
138	100		
92	49.6	27.5	67.5
108	68.6	51.1	91.1

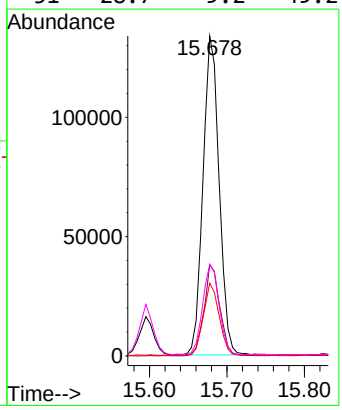


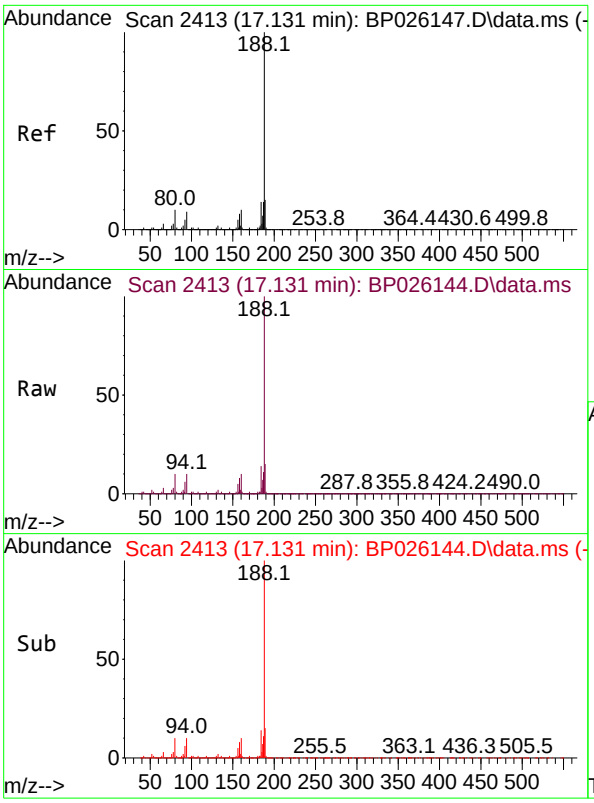


#63
Azobenzene
Concen: 4.580 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion: 77 Resp: 193050

Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.8	48.8
105	22.7	2.6	42.6
51	28.7	9.2	49.2



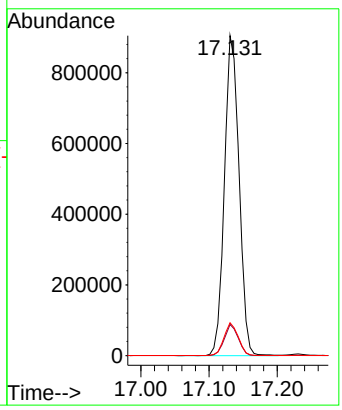


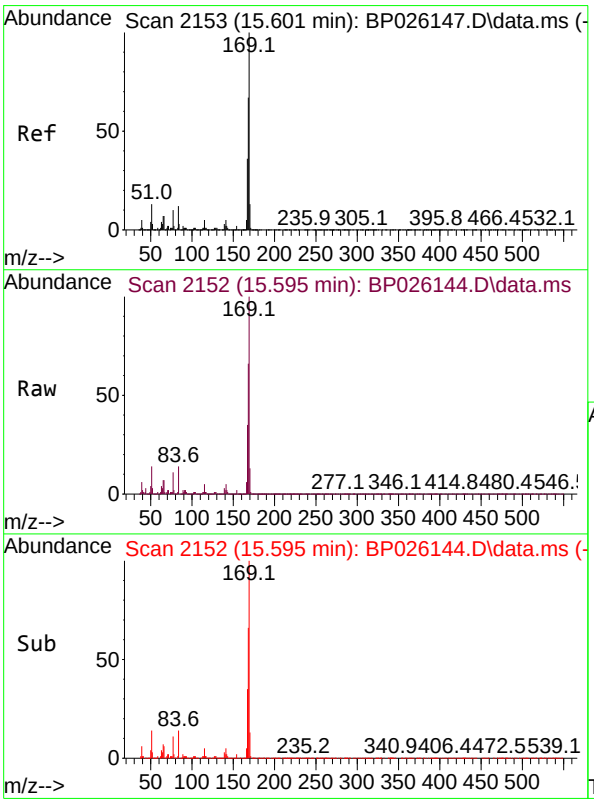
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1346698

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.2

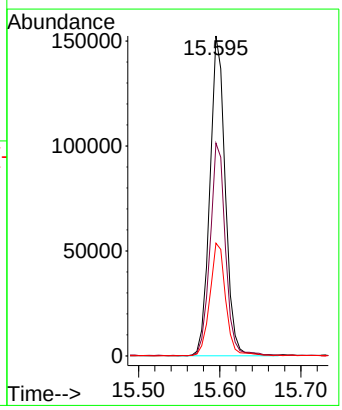


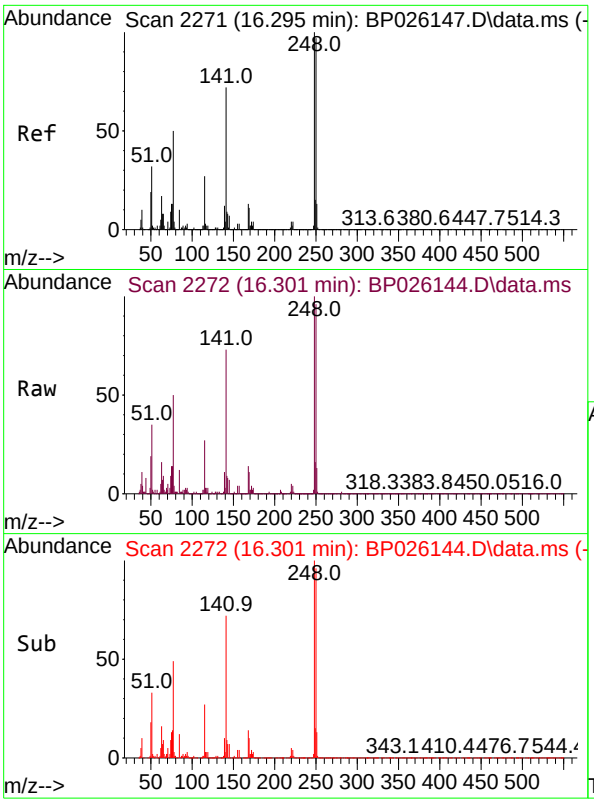


#66
n-Nitrosodiphenylamine
Concen: 4.795 ng
RT: 15.595 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:169 Resp: 201167

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.1	79.7
167	35.2	28.9	43.3



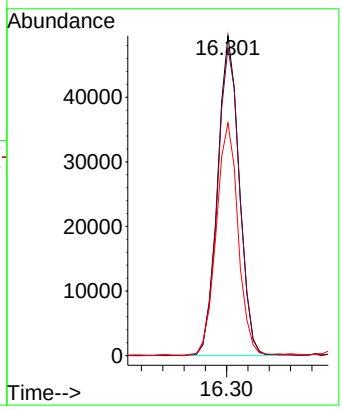


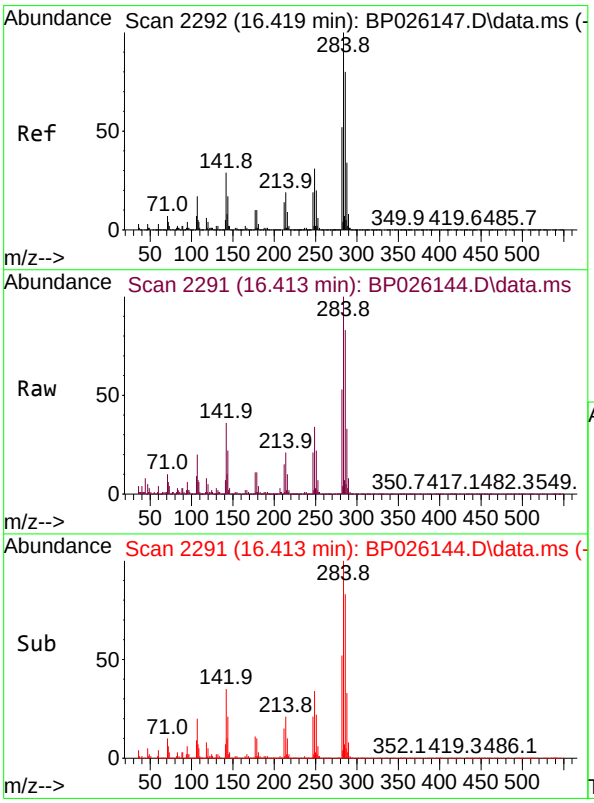
#67
4-Bromophenyl-phenylether
Concen: 4.680 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 69962

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.6
141	72.7	55.4	83.0

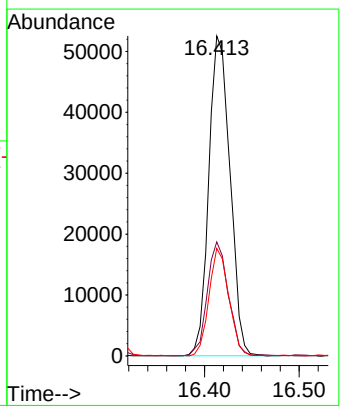


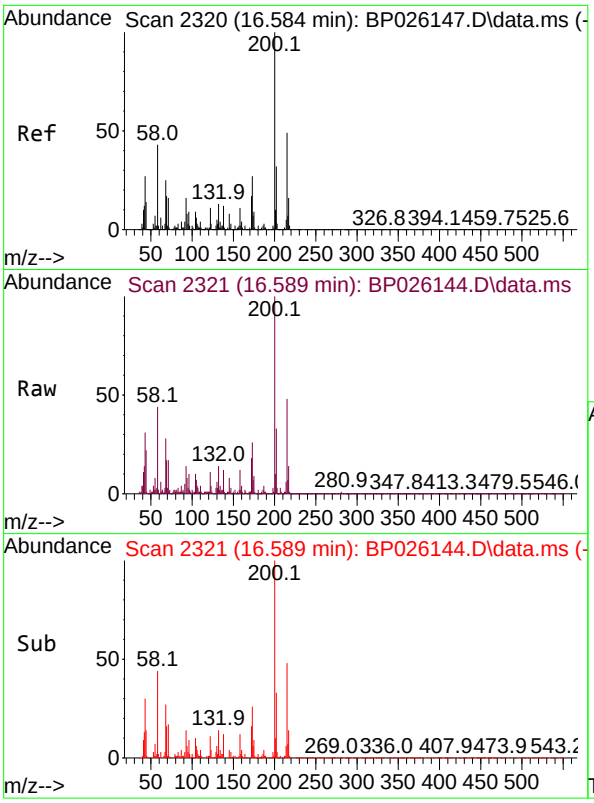


#68
Hexachlorobenzene
Concen: 4.805 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:284 Resp: 81728

Ion	Ratio	Lower	Upper
284	100		
142	35.6	28.0	42.0
249	33.6	25.0	37.4



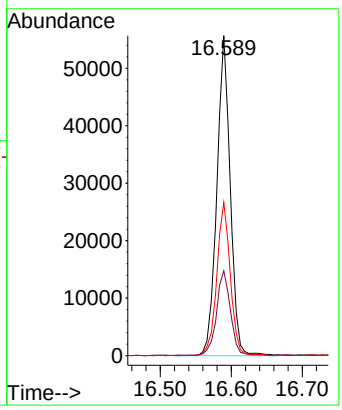


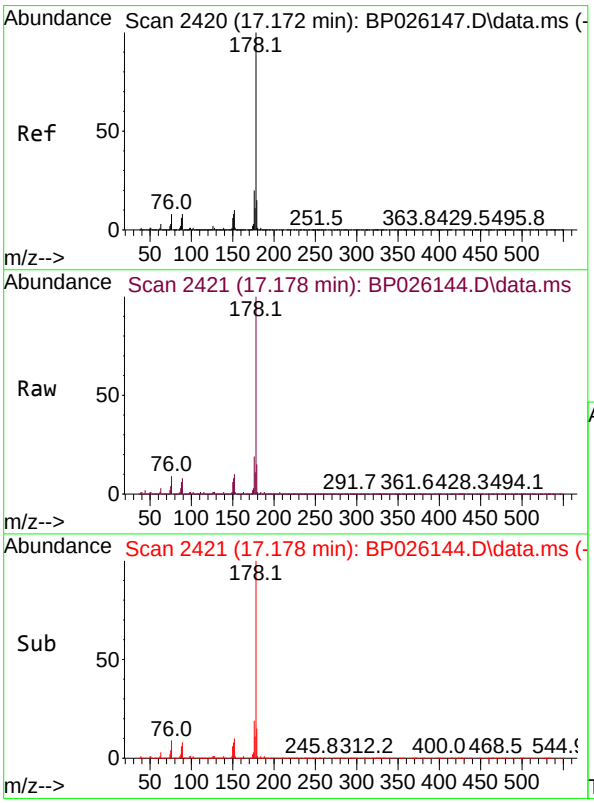
#69
Atrazine
Concen: 5.086 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 73147

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	47.9	27.4	67.4

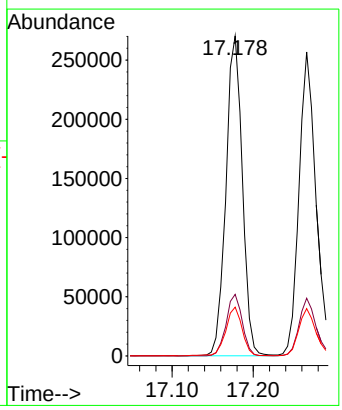


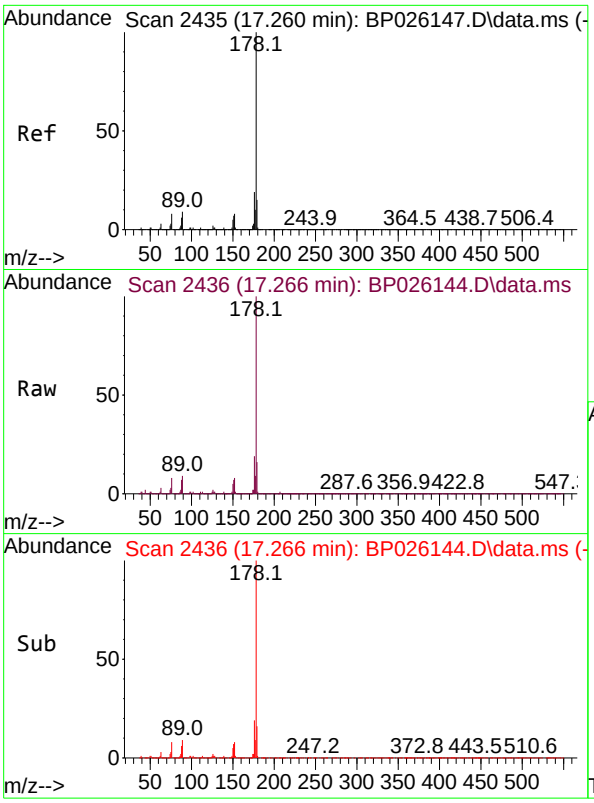


#71
Phenanthrene
Concen: 4.882 ng
RT: 17.178 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:178 Resp: 379854

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.4	18.6



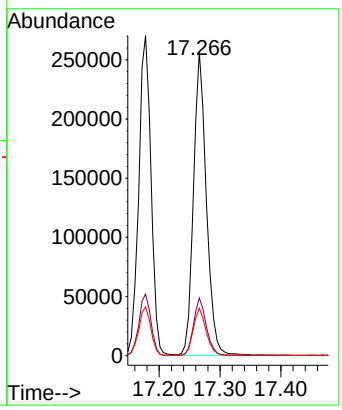


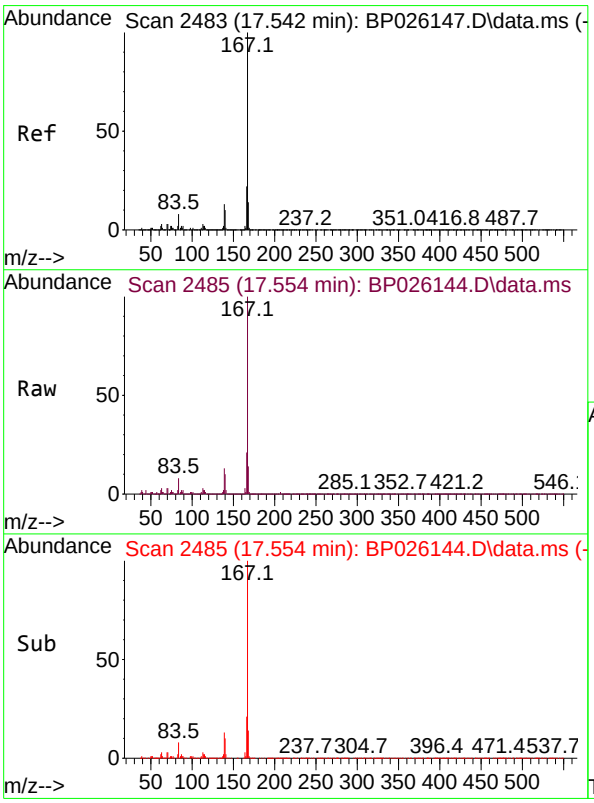
#72
Anthracene
Concen: 4.865 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 377623

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.2	18.4

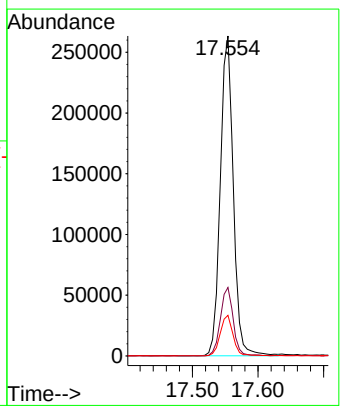


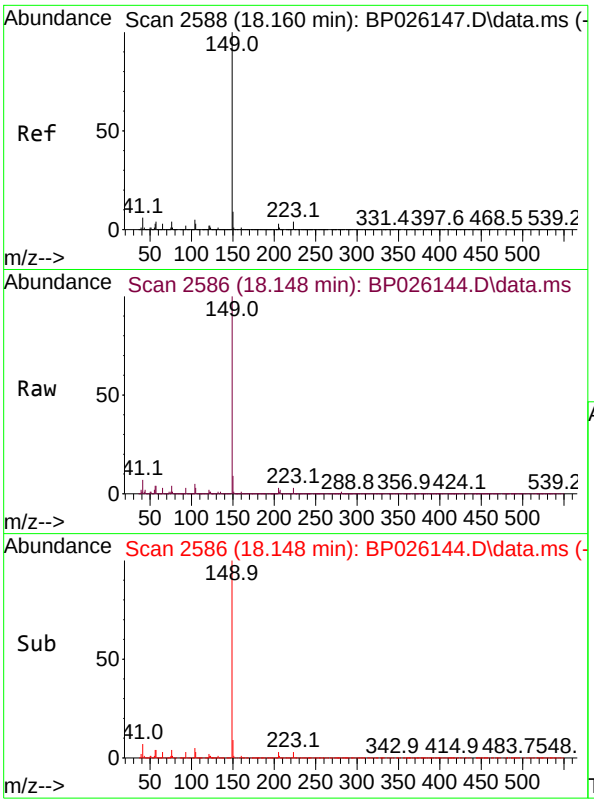


#73
Carbazole
Concen: 4.990 ng
RT: 17.554 min Scan# 2485
Delta R.T. 0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:167 Resp: 364556

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.7	10.2	15.4



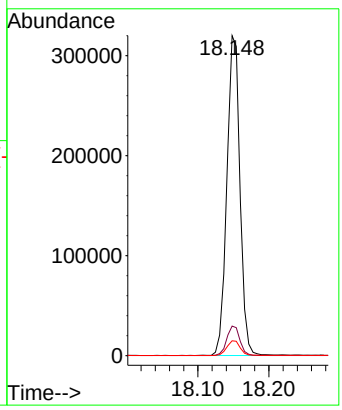


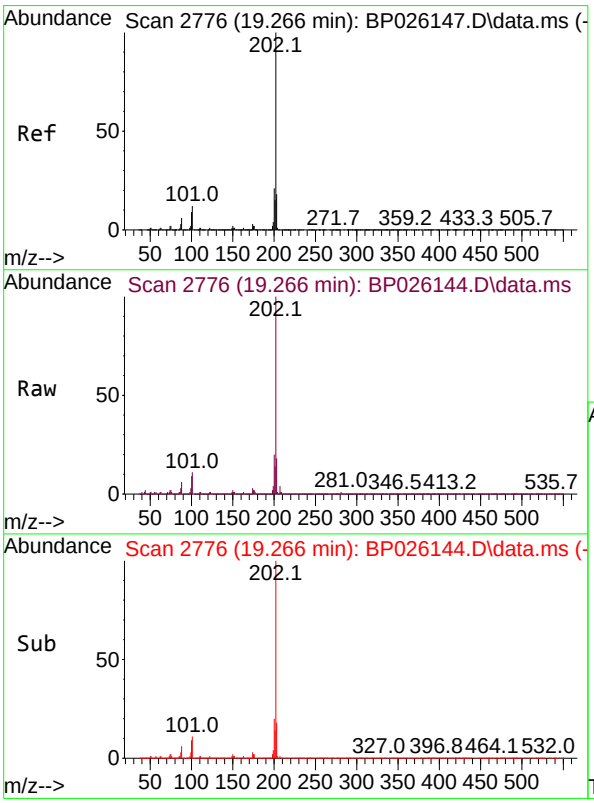
#74
Di-n-butylphthalate
Concen: 4.968 ng
RT: 18.148 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 410422

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.6	3.6	5.4

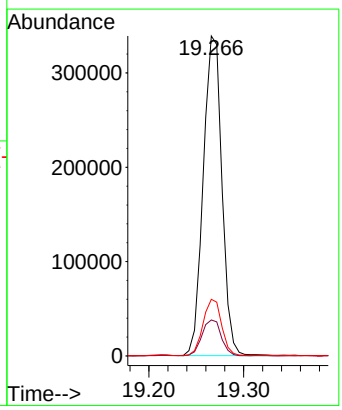


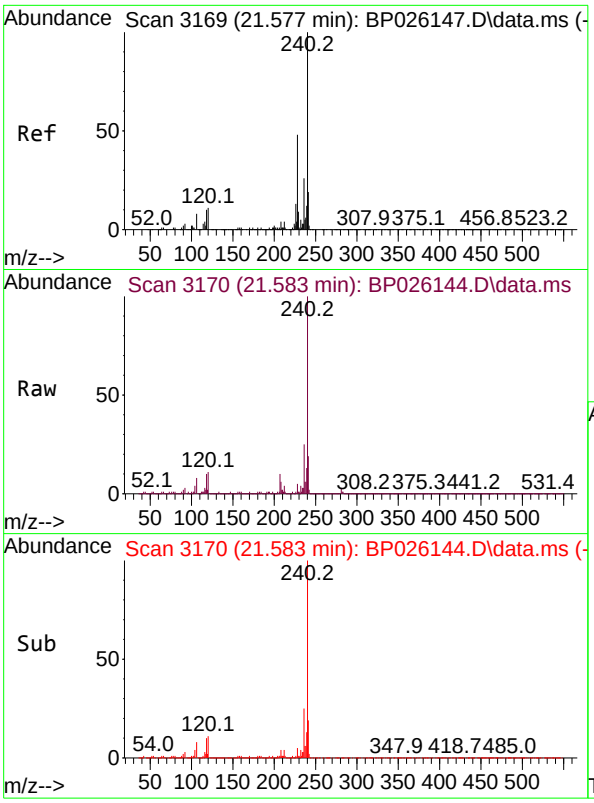


#75
Fluoranthene
Concen: 5.107 ng
RT: 19.266 min Scan# 2776
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:202 Resp: 465623

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.7	0.0	37.7



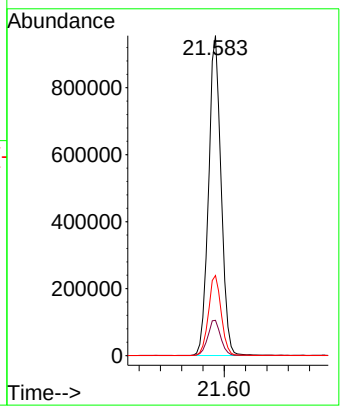


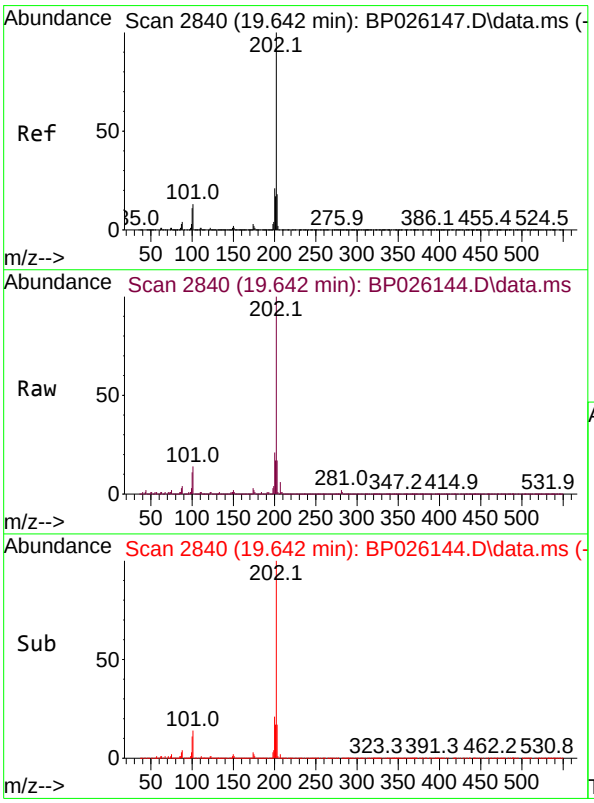
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1560462

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.4
236	25.0	20.4	30.6

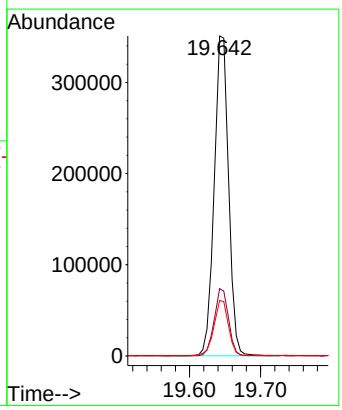


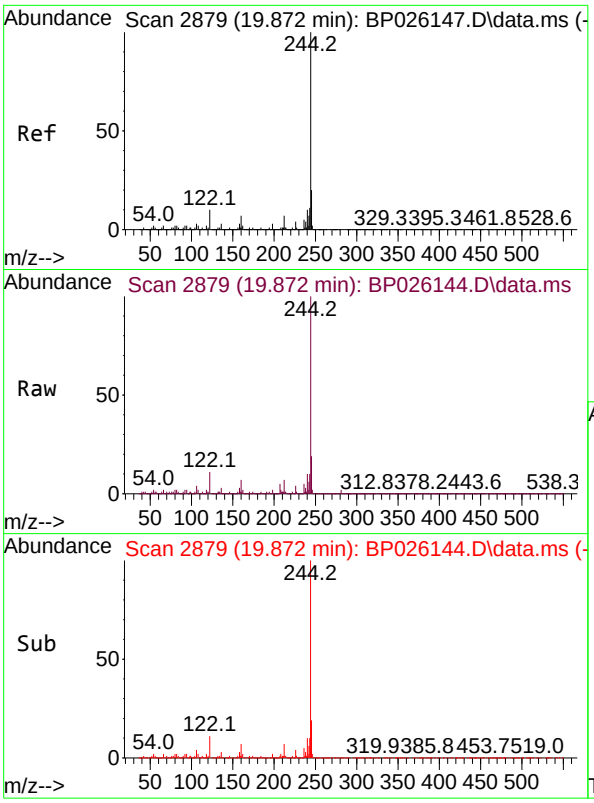


#78
Pyrene
Concen: 4.740 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:202 Resp: 493981

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	13.8	20.8



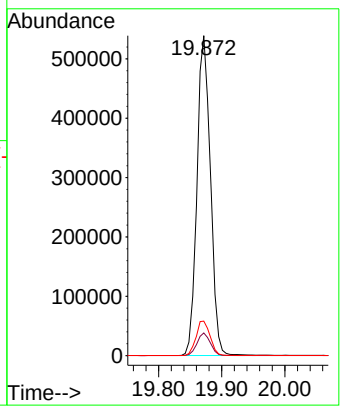


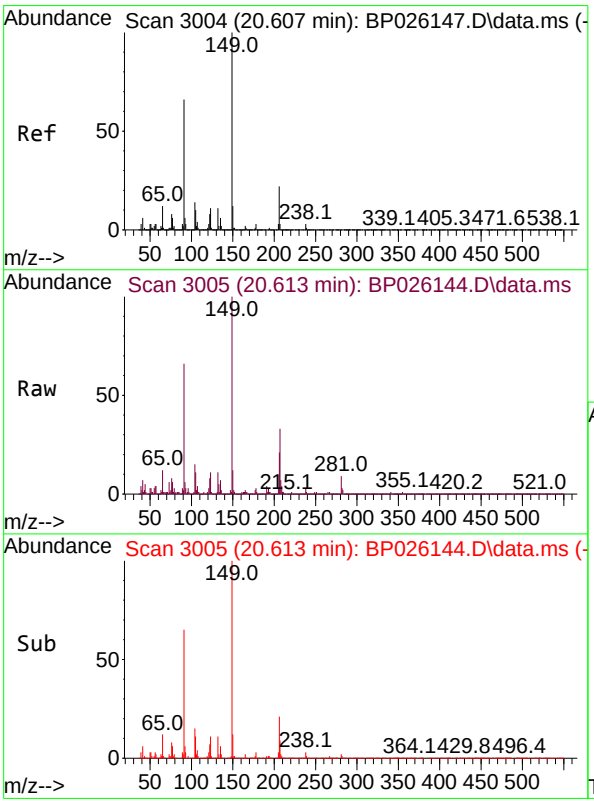
#79
Terphenyl-d14
Concen: 10.439 ng
RT: 19.872 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 798858

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.8	8.2	12.2

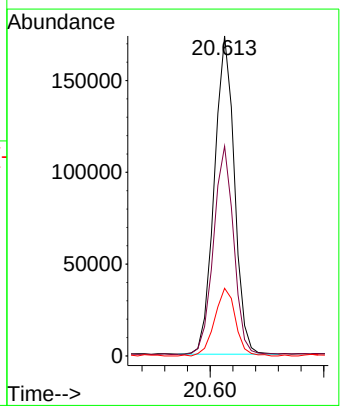


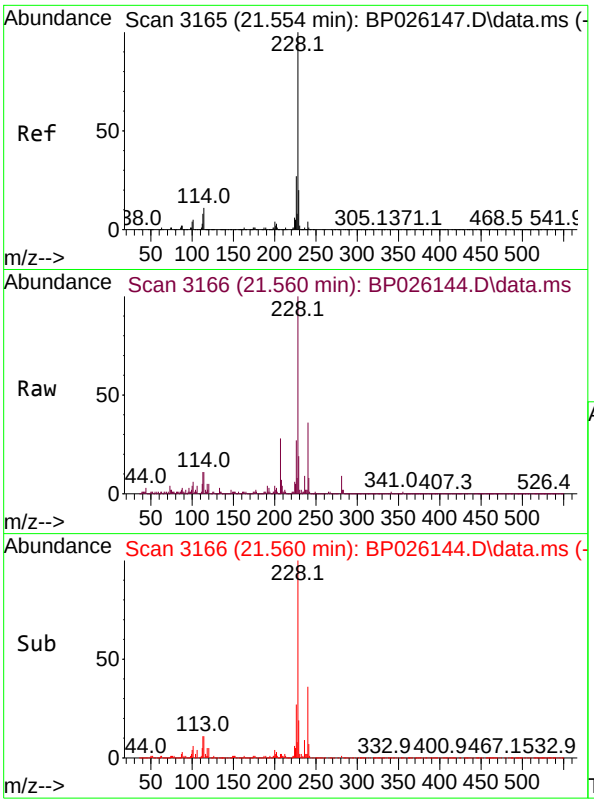


#80
Butylbenzylphthalate
Concen: 6.092 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:149 Resp: 212828

Ion	Ratio	Lower	Upper
149	100		
91	65.5	52.6	79.0
206	21.1	16.9	25.3



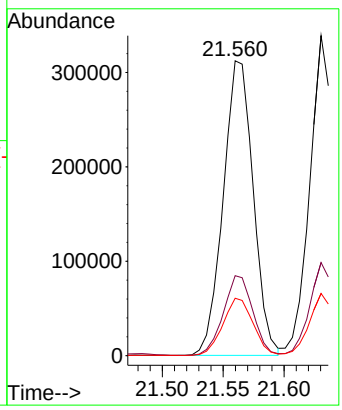


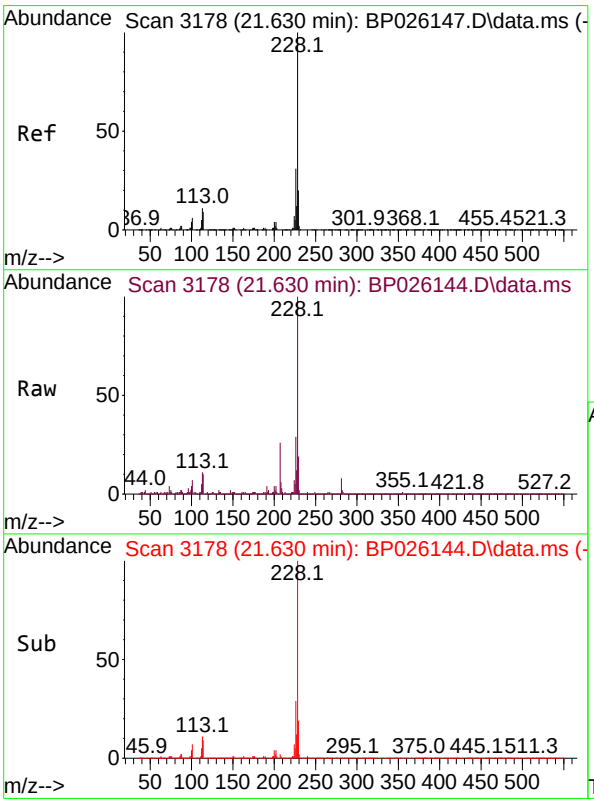
#81
Benzo(a)anthracene
Concen: 5.028 ng
RT: 21.560 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 535793

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.5	15.9	23.9

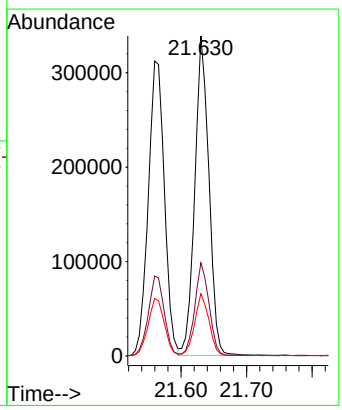


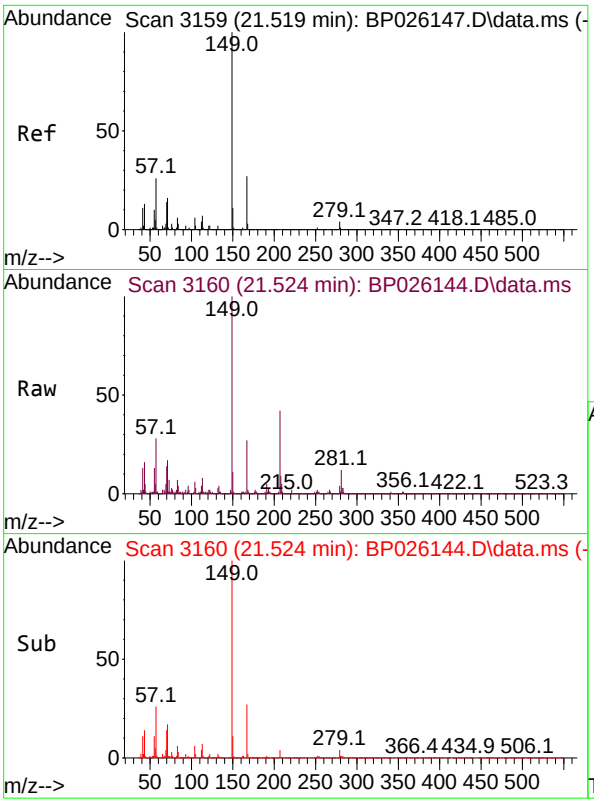


#83
Chrysene
Concen: 5.012 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:228 Resp: 506265

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.4	15.9	23.9



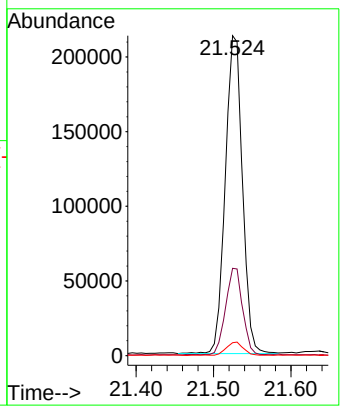


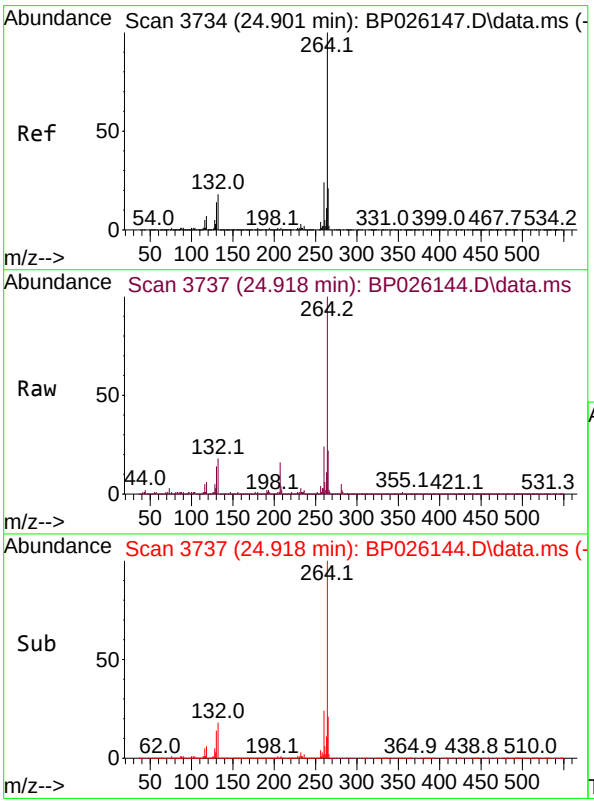
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.749 ng
RT: 21.524 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 328471

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.1	3.3	4.9

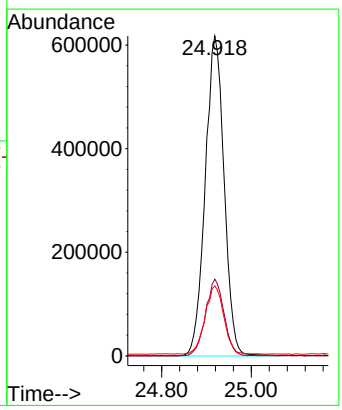


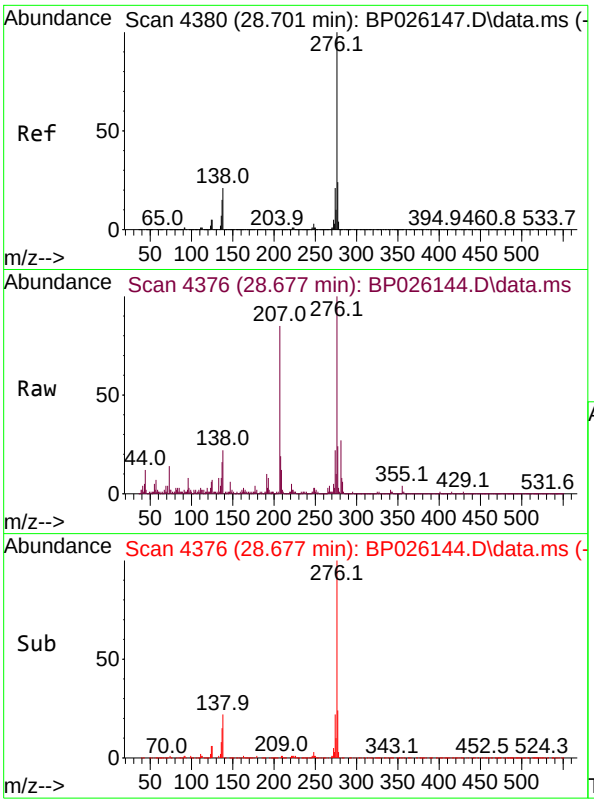


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:264 Resp: 1801943

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.9	17.5	26.3



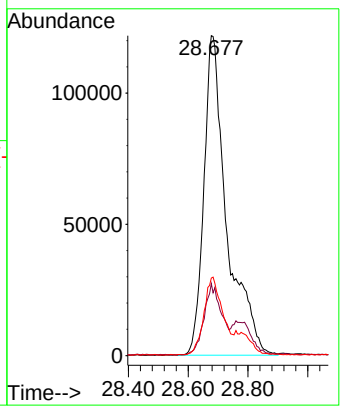


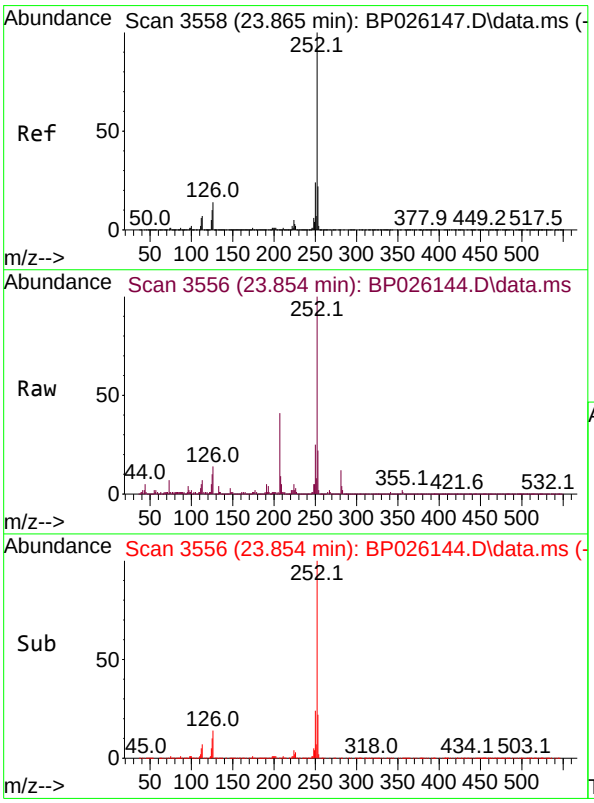
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.913 ng
RT: 28.677 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 649473

Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.8	20.8
277	20.2	16.7	25.1

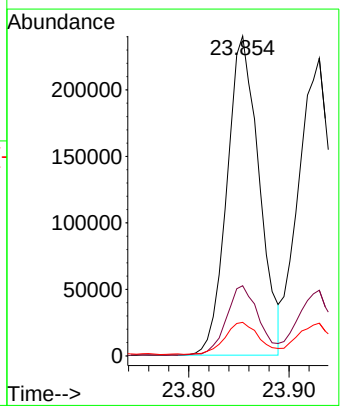


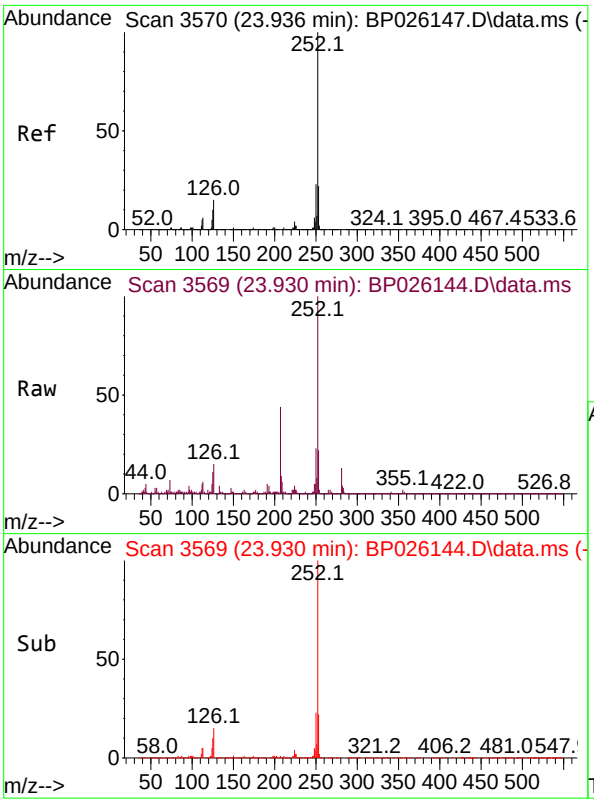


#88
Benzo(b)fluoranthene
Concen: 4.848 ng
RT: 23.854 min Scan# 3556
Delta R.T. -0.012 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:252 Resp: 535938

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.2	12.4



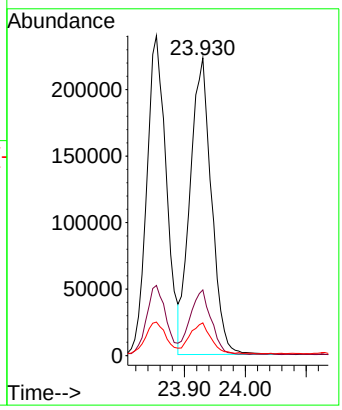


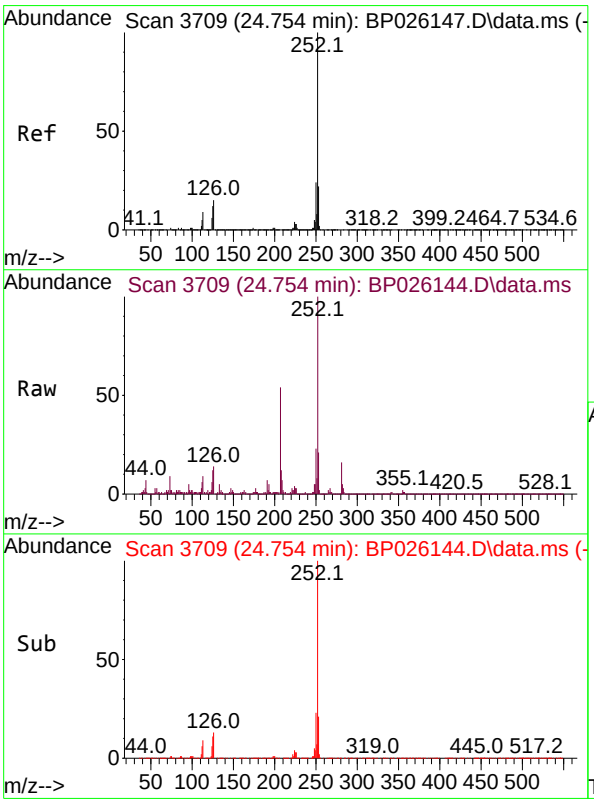
#89
Benzo(k)fluoranthene
Concen: 4.807 ng
RT: 23.930 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 543312

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.0	7.5	11.3

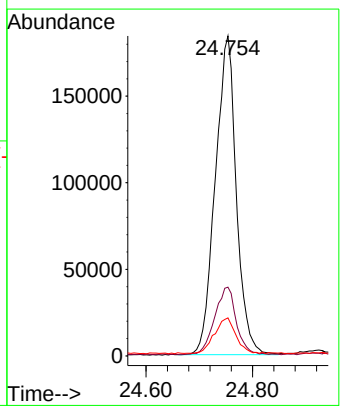


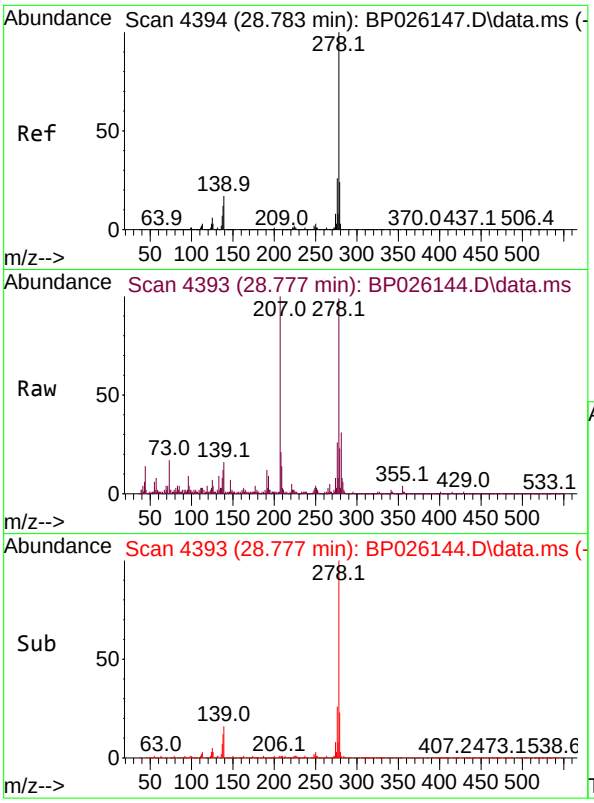


#90
Benzo(a)pyrene
Concen: 4.939 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.000 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:252 Resp: 504836

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	11.9	9.0	13.6



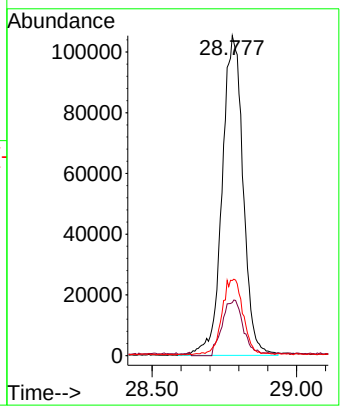


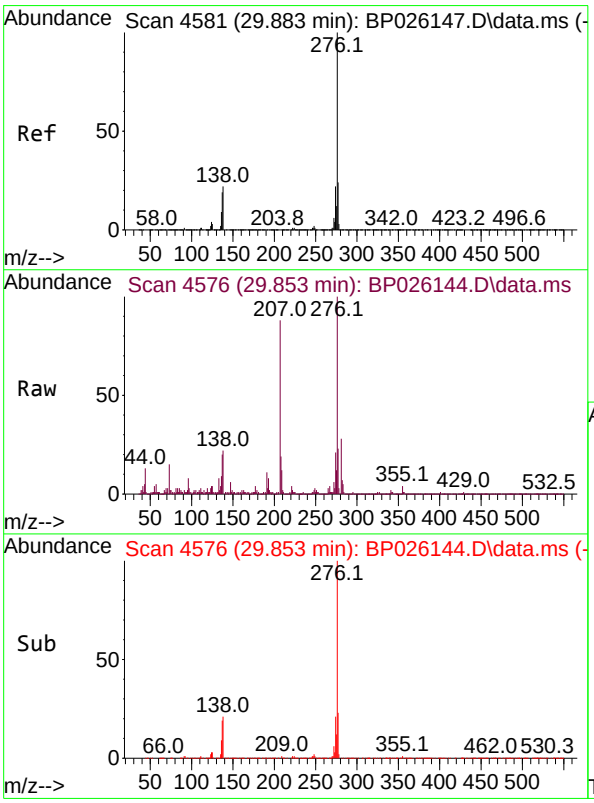
#91
Dibenzo(a,h)anthracene
Concen: 4.920 ng
RT: 28.777 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 530340

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.2	19.8
279	23.5	19.2	28.8

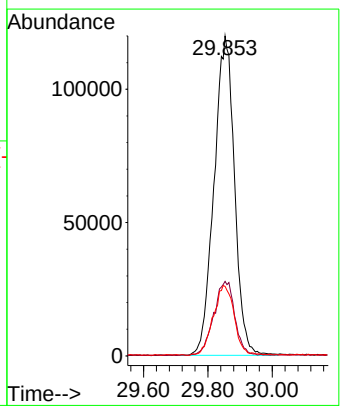




#92
Benzo(g,h,i)perylene
Concen: 5.083 ng
RT: 29.853 min Scan# 4576
Delta R.T. -0.029 min
Lab File: BP026144.D
Acq: 18 Nov 2025 15:12

Tgt Ion:276 Resp: 529220

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	21.7	17.8	26.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026145.D
Acq On : 18 Nov 2025 15:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Nov 19 00:39:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.672	152	248452	20.000	ng		0.00
21) Naphthalene-d8	10.437	136	980614	20.000	ng		-0.01
39) Acenaphthene-d10	14.313	164	630488	20.000	ng		-0.01
64) Phenanthrene-d10	17.125	188	1297120	20.000	ng		0.00
76) Chrysene-d12	21.572	240	1508224	20.000	ng		0.00
86) Perylene-d12	24.918	264	1757840	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	310270	20.603	ng		0.00
7) Phenol-d6	6.849	99	388699	20.348	ng		0.00
23) Nitrobenzene-d5	8.808	82	349731	22.067	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	159702	23.122	ng		0.00
45) 2-Fluorobiphenyl	12.919	172	909238	20.807	ng		-0.01
79) Terphenyl-d14	19.866	244	1563806	21.144	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.225	88	64612	10.226	ng		99
3) Pyridine	3.620	79	181259	10.090	ng		99
4) n-Nitrosodimethylamine	3.525	42	66399	9.326	ng	#	94
6) Aniline	7.002	93	254679	10.001	ng		99
8) 2-Chlorophenol	7.237	128	173633	10.408	ng		98
9) Benzaldehyde	6.819	77	119591	12.428	ng		99
10) Phenol	6.872	94	206001	9.752	ng		98
11) bis(2-Chloroethyl)ether	7.102	93	165713	9.908	ng		97
12) 1,3-Dichlorobenzene	7.561	146	189523	9.947	ng		99
13) 1,4-Dichlorobenzene	7.708	146	192215	9.966	ng		98
14) 1,2-Dichlorobenzene	8.019	146	184124	9.995	ng		100
15) Benzyl Alcohol	7.902	79	133455	9.660	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.190	45	228694	9.130	ng		98
17) 2-Methylphenol	8.108	107	139821	10.067	ng		99
18) Hexachloroethane	8.743	117	69441	10.421	ng		96
19) n-Nitroso-di-n-propyla...	8.460	70	119306	10.077	ng		98
20) 3+4-Methylphenols	8.431	107	190027	9.845	ng		99
22) Acetophenone	8.478	105	255635	10.340	ng	#	99
24) Nitrobenzene	8.849	77	174709	10.525	ng		99
25) Isophorone	9.378	82	339778	10.129	ng		99
26) 2-Nitrophenol	9.555	139	80502	14.210	ng		96
27) 2,4-Dimethylphenol	9.619	122	160115	11.184	ng		99
28) bis(2-Chloroethoxy)met...	9.855	93	215062	10.157	ng		99
29) 2,4-Dichlorophenol	10.090	162	157750	10.558	ng		100
30) 1,2,4-Trichlorobenzene	10.302	180	165087	10.189	ng		100
31) Naphthalene	10.484	128	546001	10.256	ng		99
32) Benzoic acid	9.702	122	102438	11.868	ng		99
33) 4-Chloroaniline	10.590	127	225844	10.919	ng		98
34) Hexachlorobutadiene	10.784	225	106776	10.297	ng		98
35) Caprolactam	11.354	113	55204	10.571	ng		93
36) 4-Chloro-3-methylphenol	11.725	107	167761	10.736	ng		98
37) 2-Methylnaphthalene	12.101	142	387952	10.423	ng		99
38) 1-Methylnaphthalene	12.325	142	376177	10.395	ng		98
40) 1,2,4,5-Tetrachloroben...	12.472	216	192367	9.860	ng		100
41) Hexachlorocyclopentadiene	12.460	237	109280	13.468	ng		100
43) 2,4,6-Trichlorophenol	12.713	196	127331	10.910	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026145.D
Acq On : 18 Nov 2025 15:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Nov 19 00:39:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

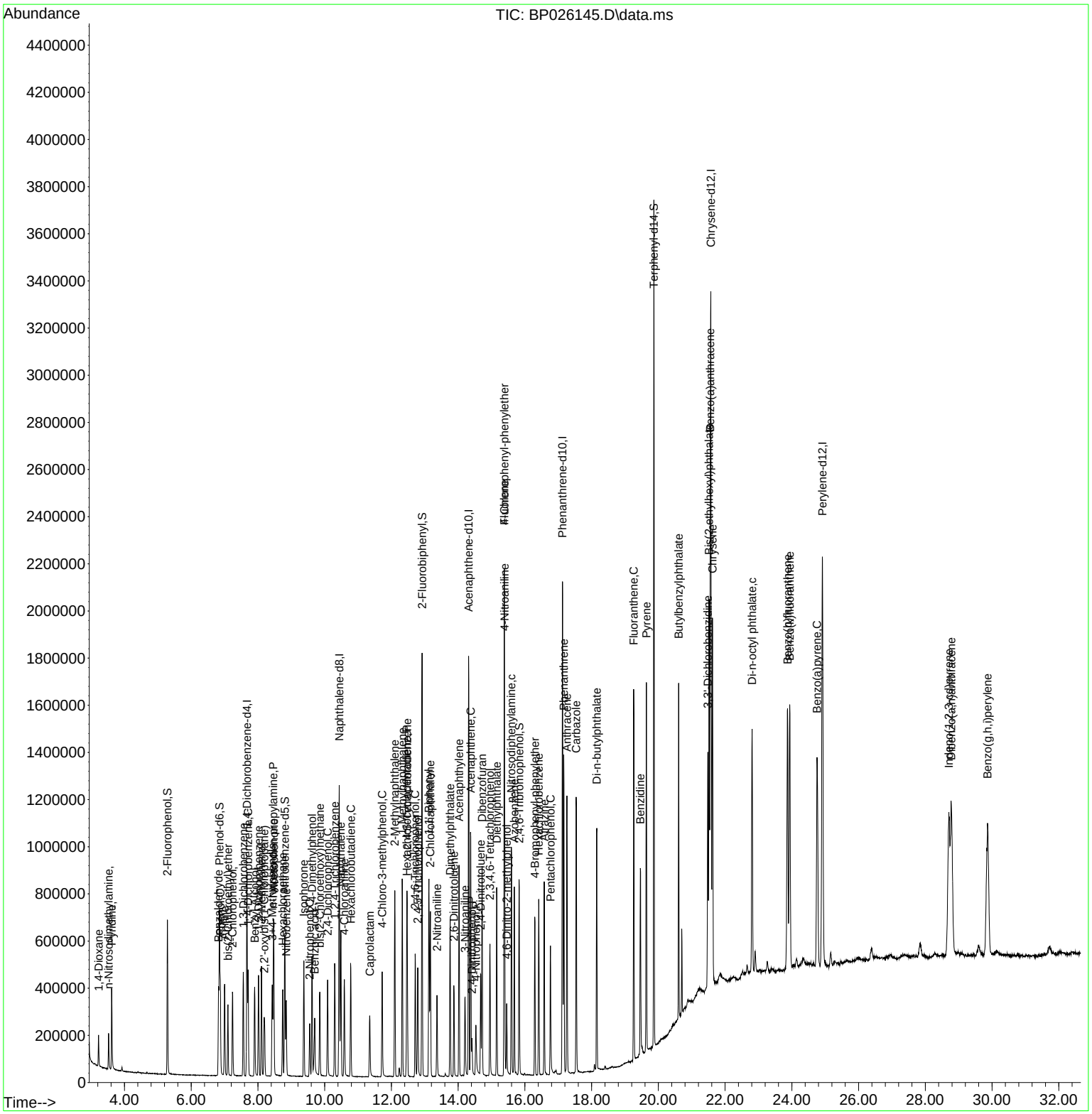
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	143128	10.794	ng		98
46) 1,1'-Biphenyl	13.125	154	485448	10.101	ng		99
47) 2-Chloronaphthalene	13.166	162	382981	10.136	ng		99
48) 2-Nitroaniline	13.366	65	97829	11.256	ng		93
49) Acenaphthylene	14.025	152	626312	11.215	ng		99
50) Dimethylphthalate	13.760	163	478267	10.476	ng		99
51) 2,6-Dinitrotoluene	13.872	165	84028	10.948	ng		90
52) Acenaphthene	14.378	154	372613	9.972	ng		99
53) 3-Nitroaniline	14.207	138	103894	11.189	ng	#	94
54) 2,4-Dinitrophenol	14.413	184	38962	11.062	ng	#	89
55) Dibenzofuran	14.719	168	577473	10.148	ng		98
56) 4-Nitrophenol	14.531	139	91274	9.876	ng		92
57) 2,4-Dinitrotoluene	14.678	165	128442	11.467	ng		100
58) Fluorene	15.384	166	469782	10.507	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.954	232	123375	11.749	ng		99
60) Diethylphthalate	15.154	149	475038	10.343	ng		99
61) 4-Chlorophenyl-phenyle...	15.384	204	226085	10.144	ng		97
62) 4-Nitroaniline	15.390	138	113144	11.490	ng		98
63) Azobenzene	15.684	77	402256	9.741	ng		100
65) 4,6-Dinitro-2-methylph...	15.454	198	64177	11.592	ng		93
66) n-Nitrosodiphenylamine	15.595	169	415043	10.270	ng		99
67) 4-Bromophenyl-phenylether	16.301	248	142168	9.873	ng		98
68) Hexachlorobenzene	16.413	284	168597	10.292	ng		100
69) Atrazine	16.584	200	150203	10.842	ng		98
70) Pentachlorophenol	16.766	266	109980	10.777	ng		100
71) Phenanthrene	17.166	178	764343	10.200	ng		99
72) Anthracene	17.260	178	774553	10.360	ng		100
73) Carbazole	17.536	167	763690	10.854	ng		99
74) Di-n-butylphthalate	18.154	149	836819	10.517	ng		99
75) Fluoranthene	19.260	202	949438	10.812	ng		100
77) Benzidine	19.460	184	547975	13.836	ng		99
78) Pyrene	19.642	202	994219	9.871	ng		100
80) Butylbenzylphthalate	20.607	149	416294	12.328	ng		98
81) Benzo(a)anthracene	21.554	228	1056422	10.258	ng		99
82) 3,3'-Dichlorobenzidine	21.483	252	386780	11.403	ng		99
83) Chrysene	21.619	228	1007569	10.321	ng		100
84) Bis(2-ethylhexyl)phtha...	21.519	149	622482	11.273	ng		100
85) Di-n-octyl phthalate	22.807	149	1066561	11.335	ng		99
87) Indeno(1,2,3-cd)pyrene	28.706	276	1303884	10.110	ng		99
88) Benzo(b)fluoranthene	23.871	252	1077584	9.993	ng		100
89) Benzo(k)fluoranthene	23.936	252	1079191	9.789	ng		98
90) Benzo(a)pyrene	24.754	252	1013571	10.165	ng		99
91) Dibenzo(a,h)anthracene	28.777	278	1072192	10.197	ng		99
92) Benzo(g,h,i)perylene	29.865	276	1080830	10.641	ng		99

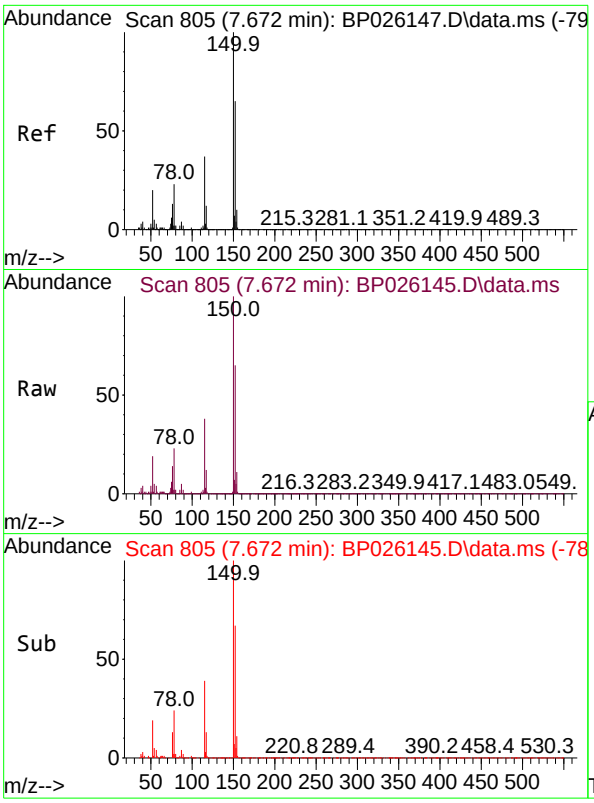
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026145.D
Acq On : 18 Nov 2025 15:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Nov 19 00:39:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration



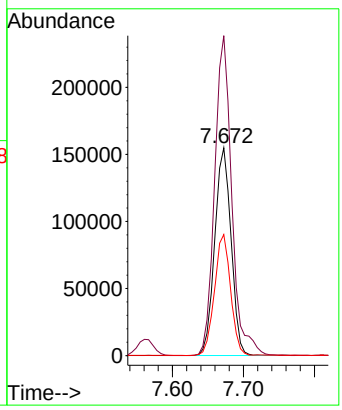


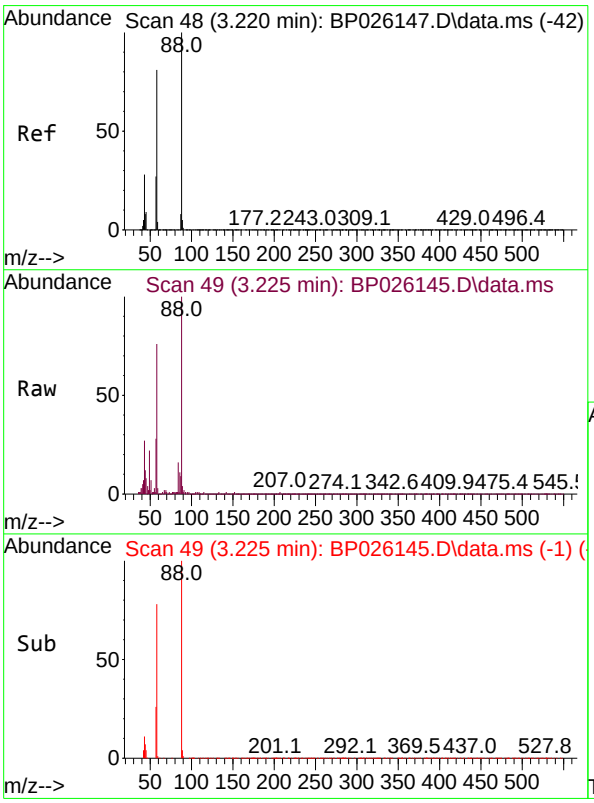
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 248452

Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.0	184.6
115	58.2	46.3	69.5

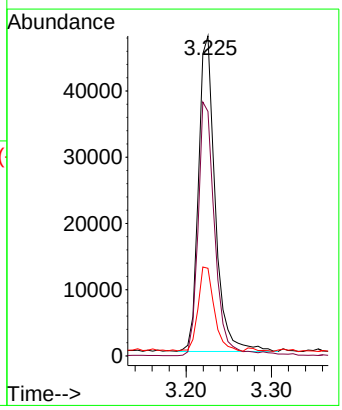


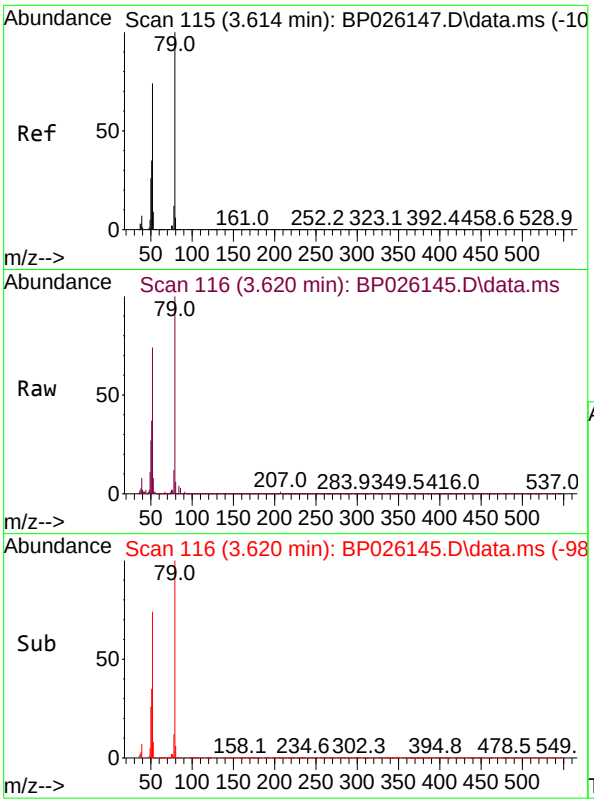


#2
1,4-Dioxane
Concen: 10.226 ng
RT: 3.225 min Scan# 49
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 88 Resp: 64612

Ion	Ratio	Lower	Upper
88	100		
58	81.1	64.2	96.4
43	25.7	21.5	32.3



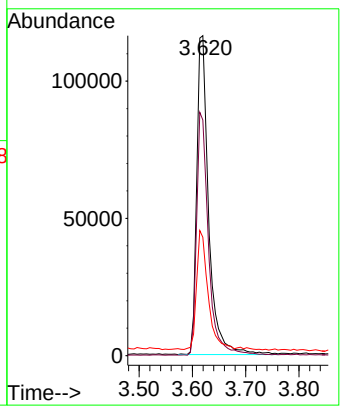


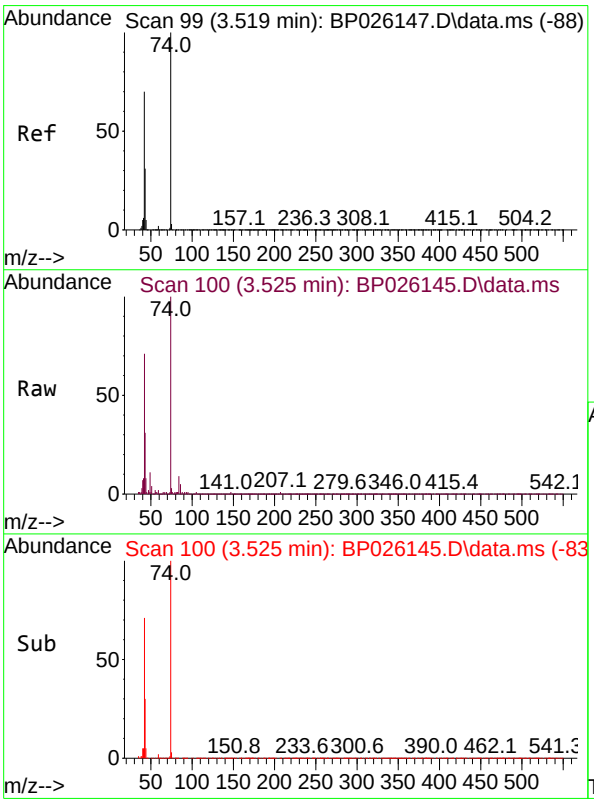
#3
Pyridine
Concen: 10.090 ng
RT: 3.620 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 181259

Ion	Ratio	Lower	Upper
79	100		
52	73.6	60.2	90.2
51	37.0	29.5	44.3

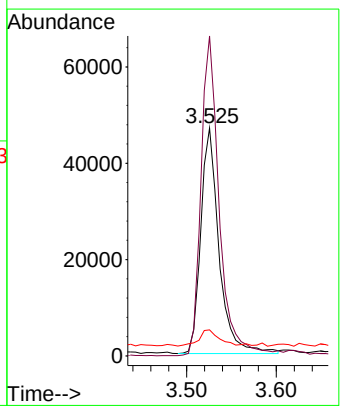


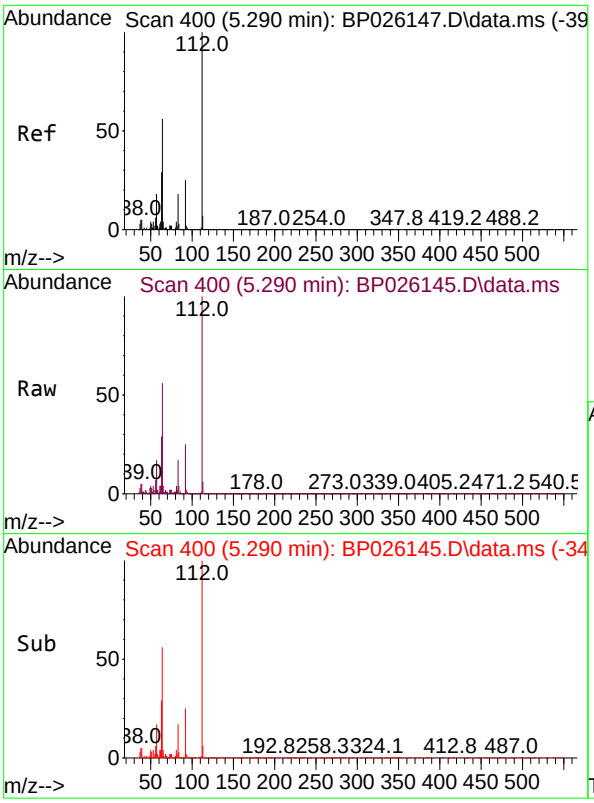


#4
n-Nitrosodimethylamine
Concen: 9.326 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 42 Resp: 66399

Ion	Ratio	Lower	Upper
42	100		
74	140.4	118.1	177.1
44	11.4	6.2	9.4#



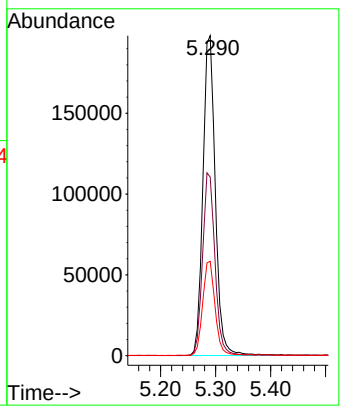


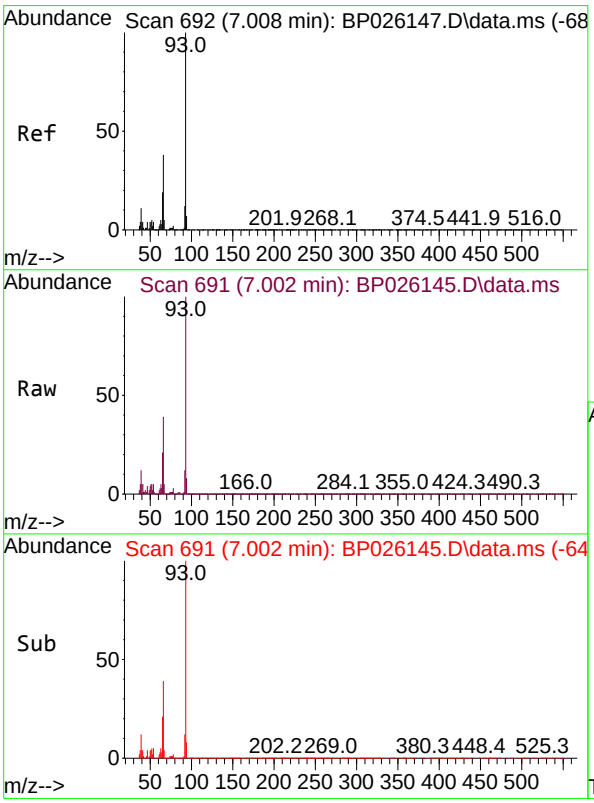
#5
2-Fluorophenol
Concen: 20.603 ng
RT: 5.290 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 310270

Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.8	68.6
63	29.5	23.5	35.3

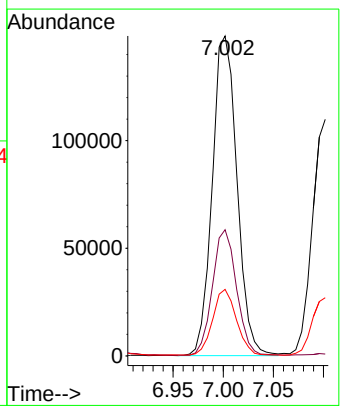


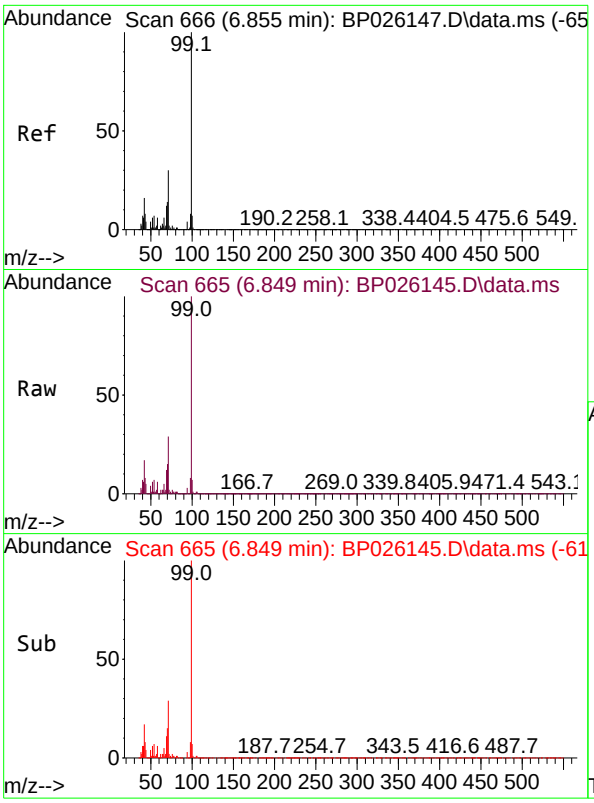


#6
Aniline
Concen: 10.001 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 93 Resp: 254679

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.7	47.5
65	20.8	15.8	23.6



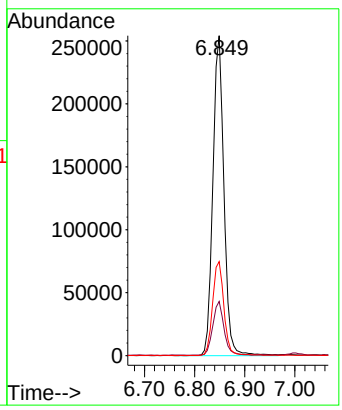


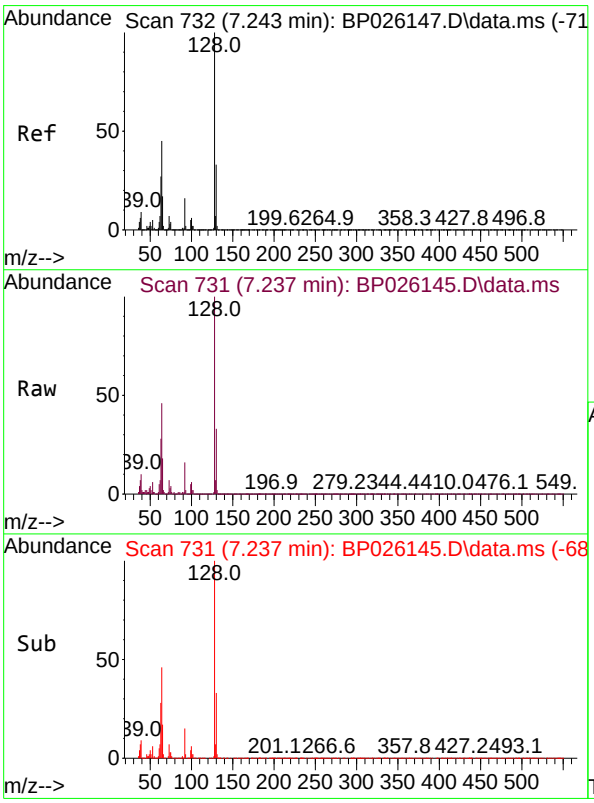
#7
Phenol-d6
Concen: 20.348 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 388699

Ion	Ratio	Lower	Upper
99	100		
42	16.9	12.9	19.3
71	29.4	24.8	37.2

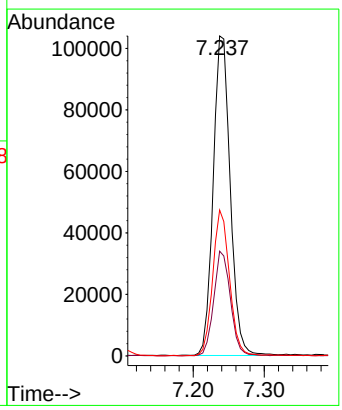


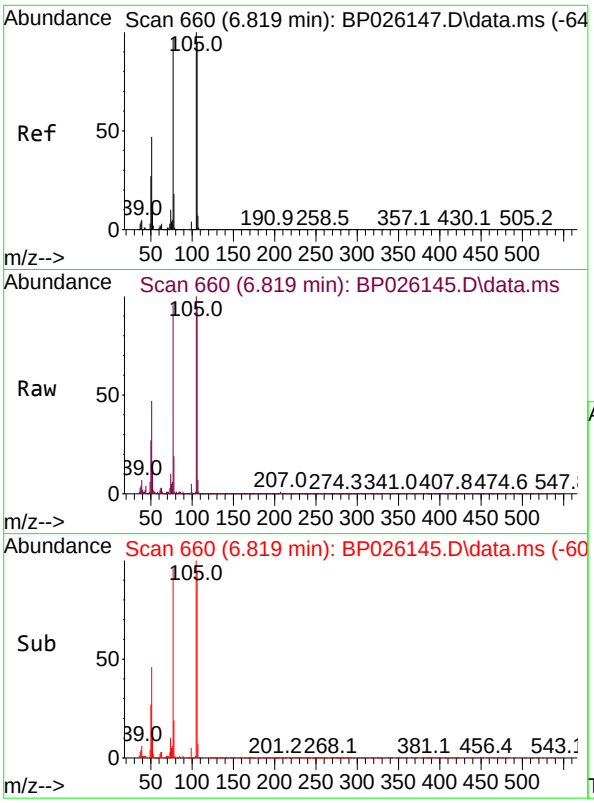


#8
2-Chlorophenol
Concen: 10.408 ng
RT: 7.237 min Scan# 731
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:128 Resp: 173633

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.4	52.4
64	45.6	23.9	63.9



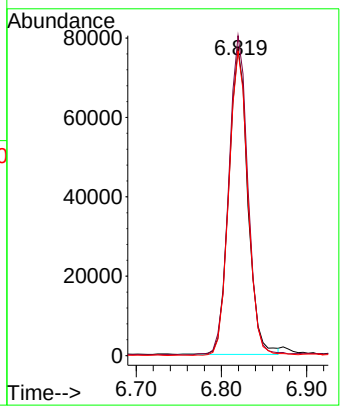


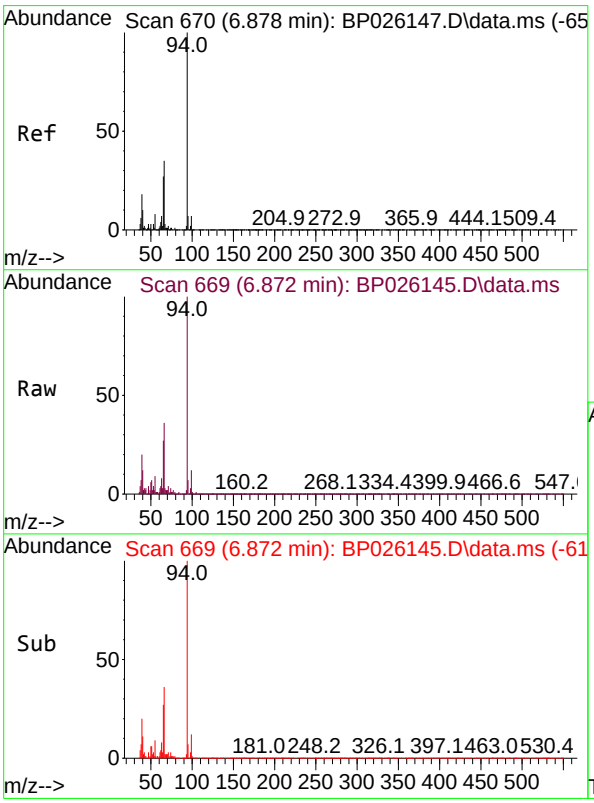
#9
Benzaldehyde
Concen: 12.428 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 119591

Ion	Ratio	Lower	Upper
77	100		
105	104.1	82.9	122.9
106	99.0	77.8	117.8

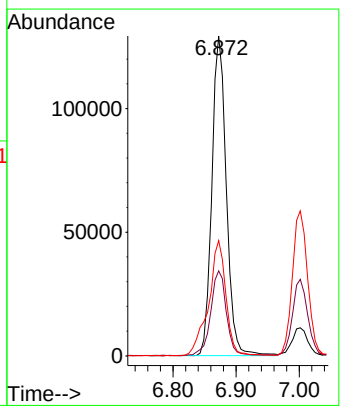


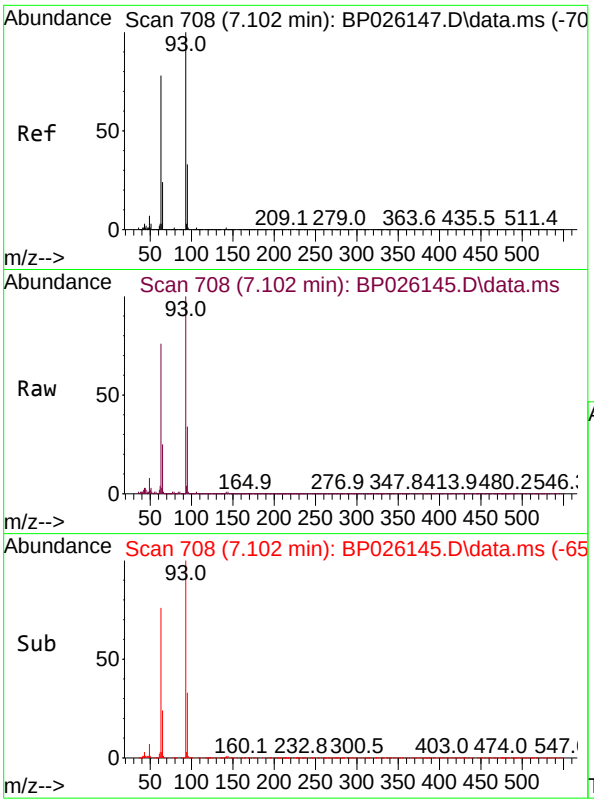


#10
Phenol
Concen: 9.752 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 94 Resp: 206001

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.0	47.0
66	36.0	14.5	54.5



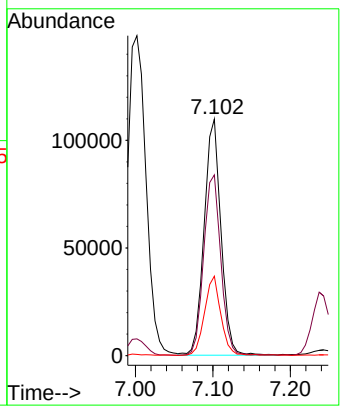


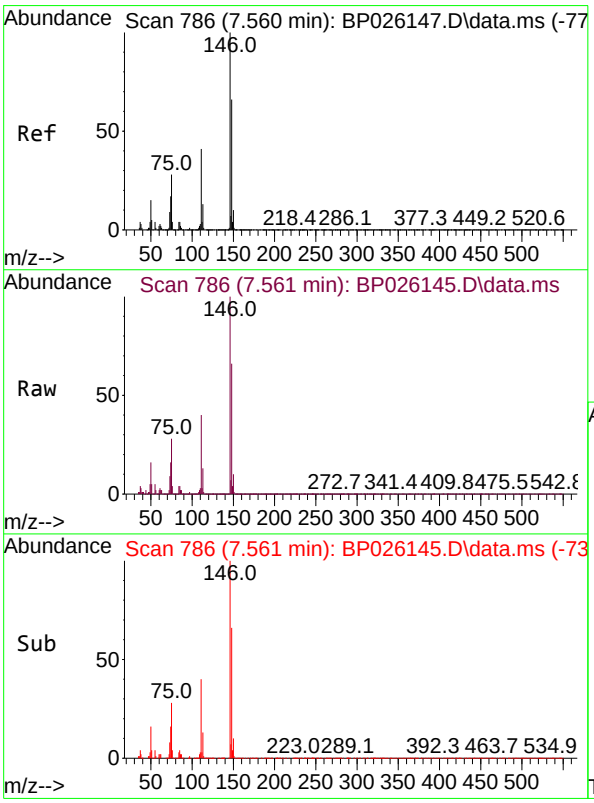
#11
bis(2-Chloroethyl)ether
Concen: 9.908 ng
RT: 7.102 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 165713

Ion	Ratio	Lower	Upper
93	100		
63	76.4	58.8	98.8
95	33.6	12.1	52.1

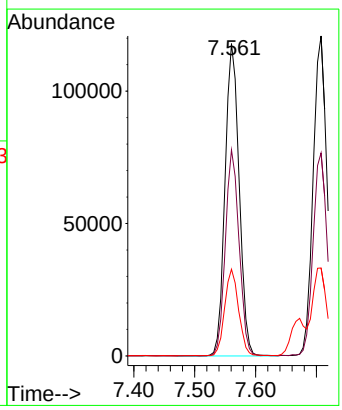


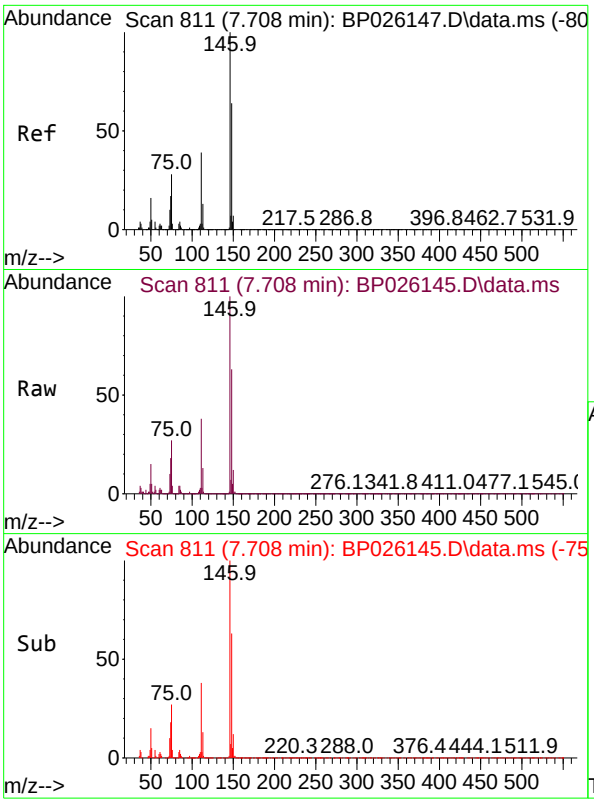


#12
1,3-Dichlorobenzene
Concen: 9.947 ng
RT: 7.561 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:146 Resp: 189523

Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.8	77.8
75	27.7	22.2	33.2



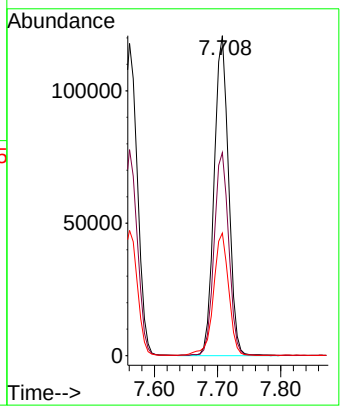


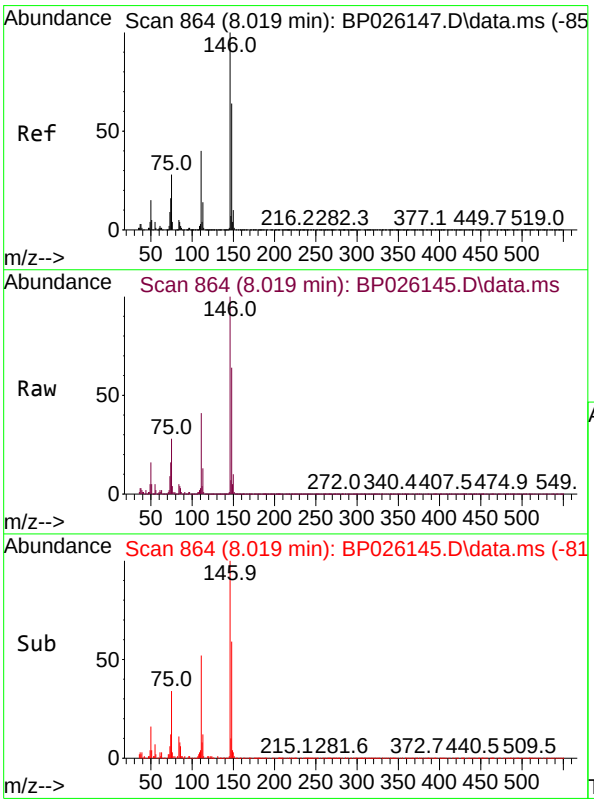
#13
1,4-Dichlorobenzene
Concen: 9.966 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 192215

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	38.3	31.7	47.5

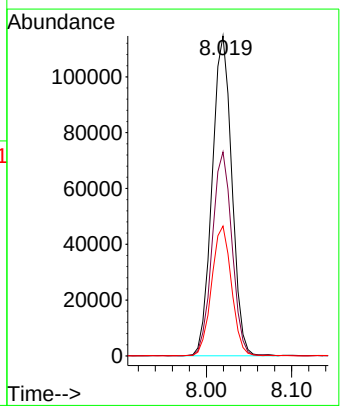


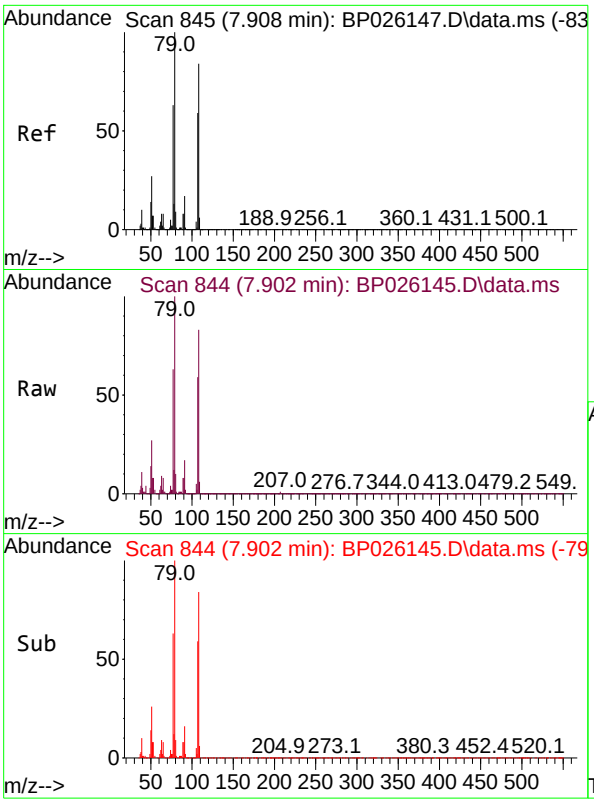


#14
1,2-Dichlorobenzene
Concen: 9.995 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:146 Resp: 184124

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	40.6	33.0	49.4



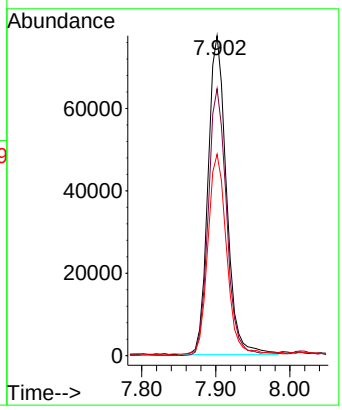


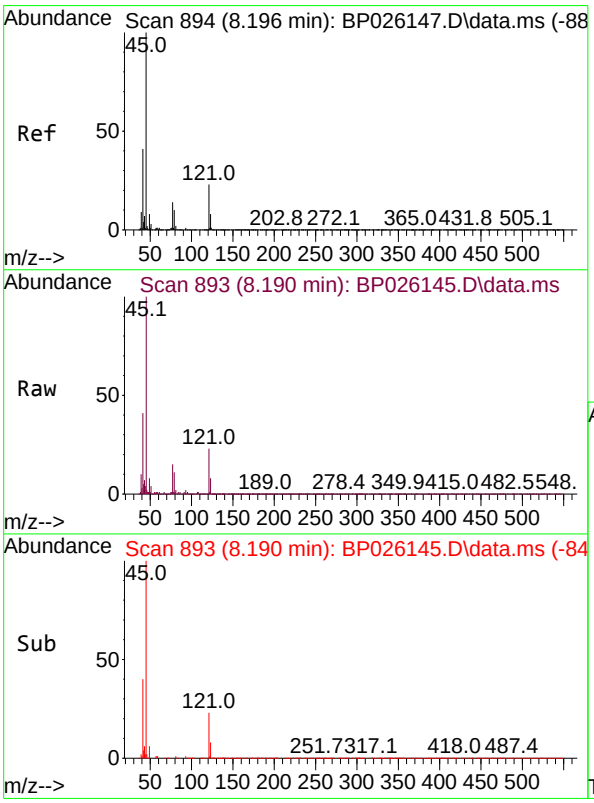
#15
Benzyl Alcohol
Concen: 9.660 ng
RT: 7.902 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 133455

Ion	Ratio	Lower	Upper
79	100		
108	83.4	66.2	99.4
77	62.9	50.0	75.0

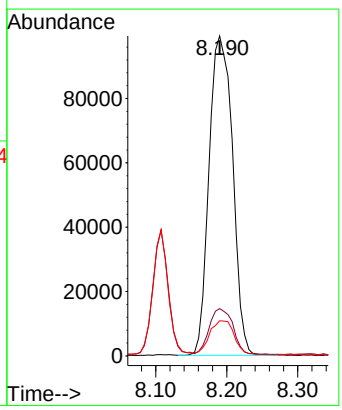


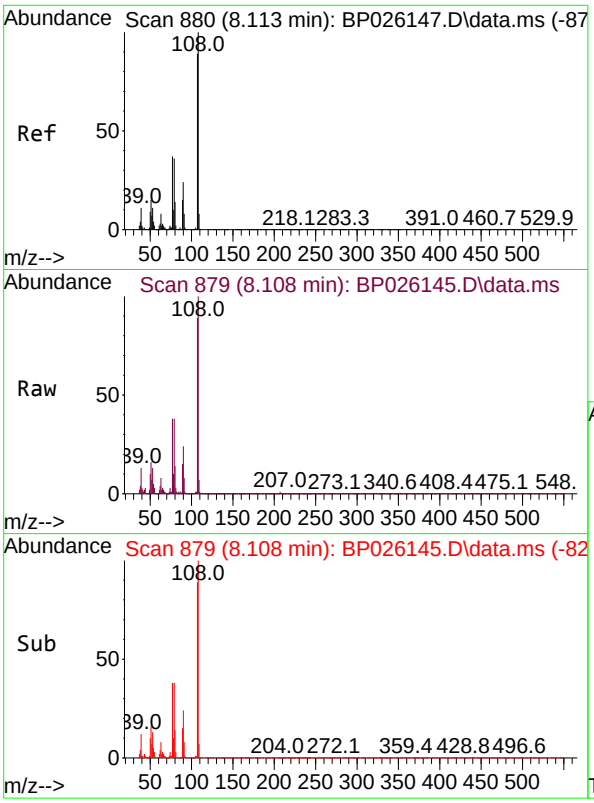


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.130 ng
RT: 8.190 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 45 Resp: 228694

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	33.9
79	11.0	0.0	30.4



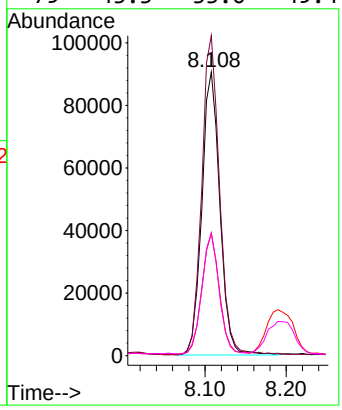


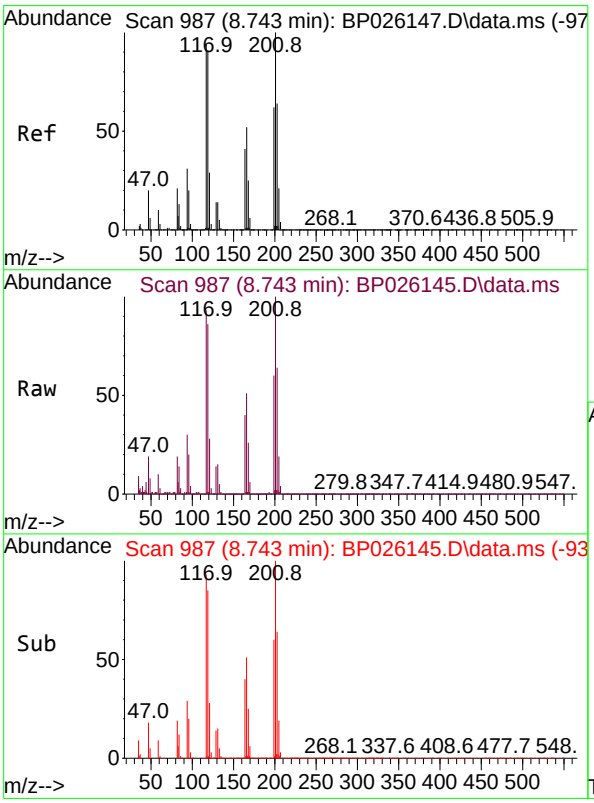
#17
2-Methylphenol
Concen: 10.067 ng
RT: 8.108 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 139821

Ion	Ratio	Lower	Upper
107	100		
108	112.8	89.7	134.5
77	43.2	33.9	50.9
79	43.3	33.0	49.4

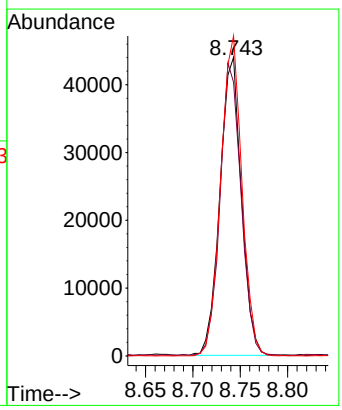


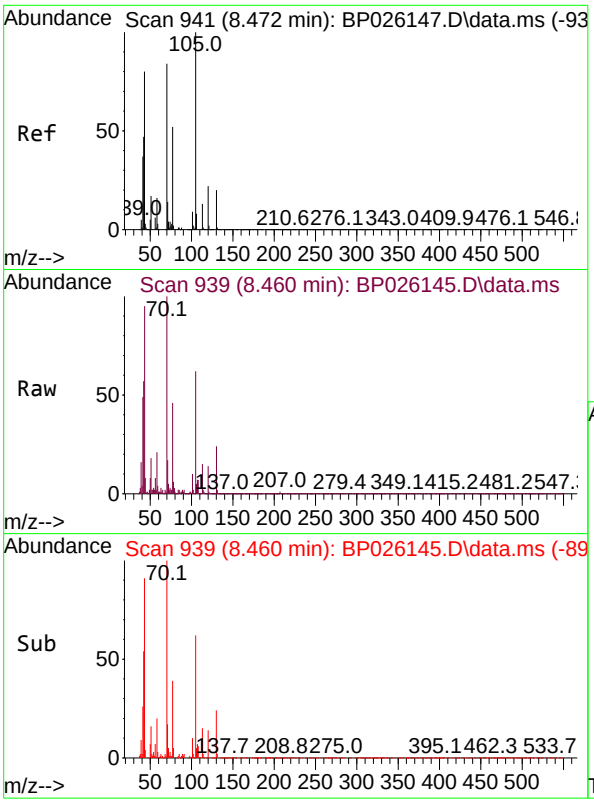


#18
Hexachloroethane
Concen: 10.421 ng
RT: 8.743 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:117 Resp: 69441

Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.7	118.1
201	107.2	85.1	127.7



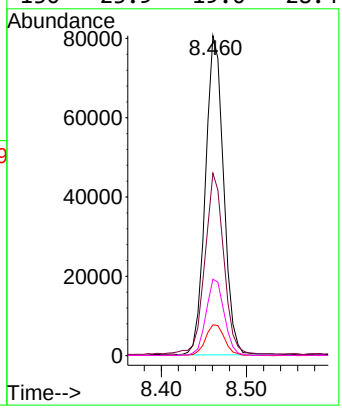


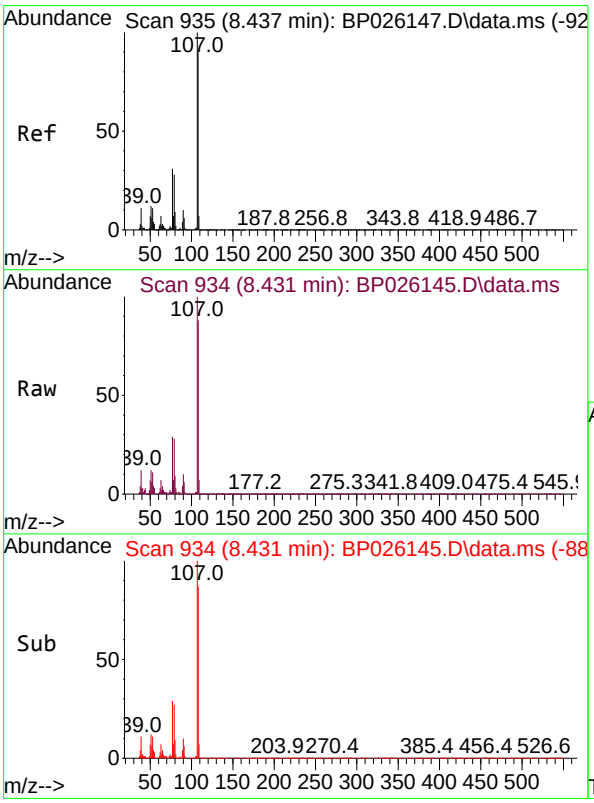
#19
n-Nitroso-di-n-propylamine
Concen: 10.077 ng
RT: 8.460 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119306

Ion	Ratio	Lower	Upper
70	100		
42	57.0	44.1	66.1
101	9.6	8.2	12.4
130	23.9	19.0	28.4

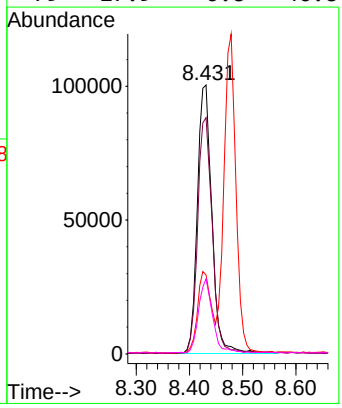


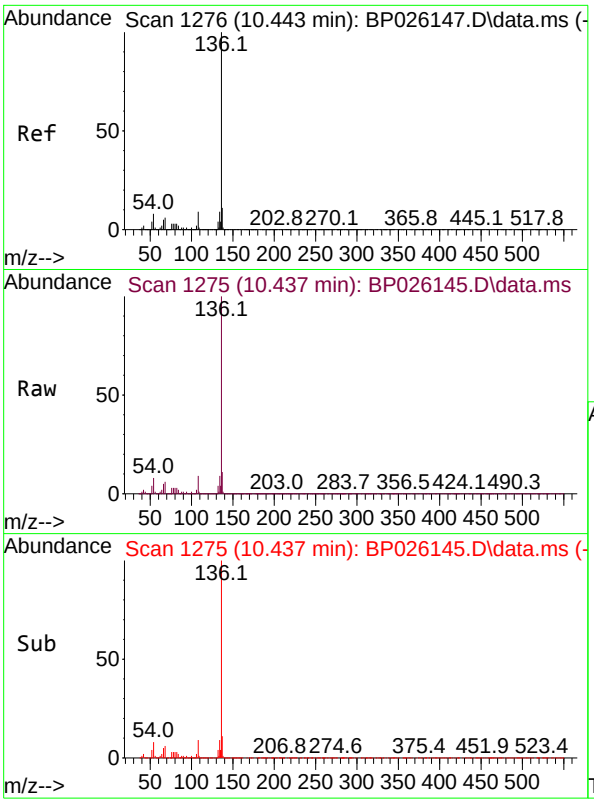


#20
3+4-Methylphenols
Concen: 9.845 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:107 Resp: 190027

Ion	Ratio	Lower	Upper
107	100		
108	87.9	68.9	108.9
77	29.4	10.4	50.4
79	27.9	6.8	46.8



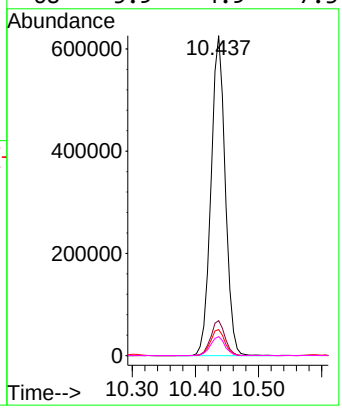


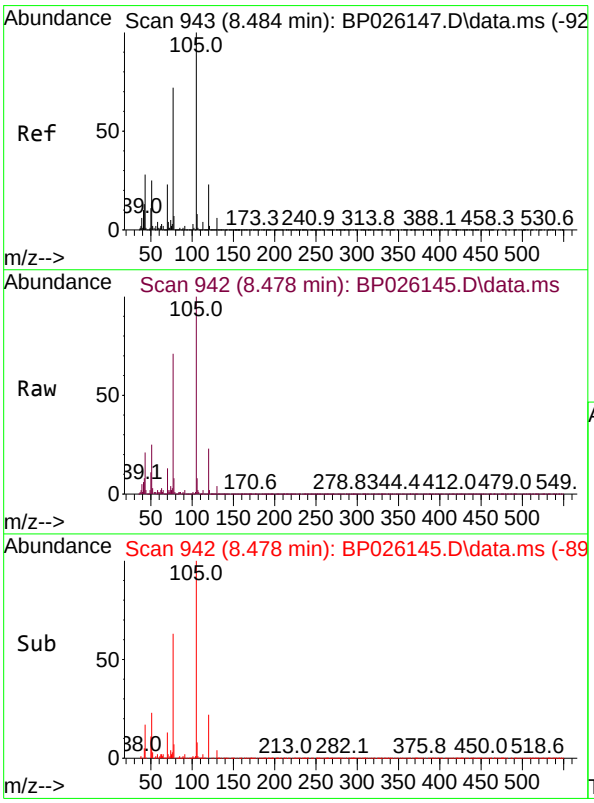
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 980614

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.1	6.4	9.6
68	5.9	4.9	7.3

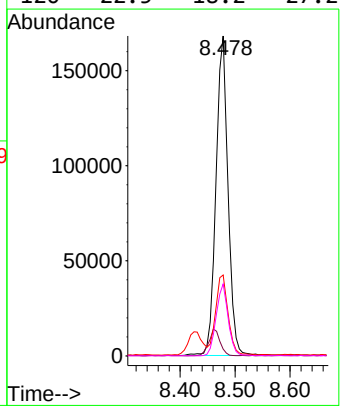


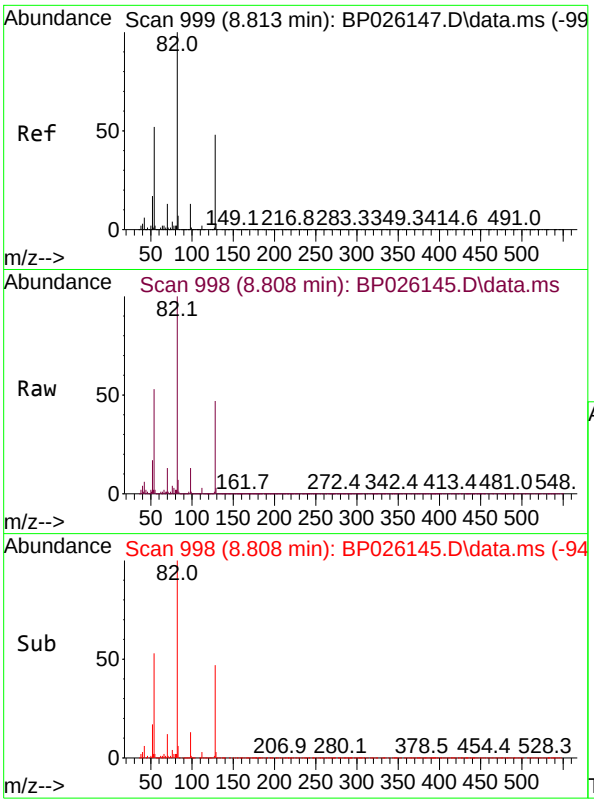


#22
Acetophenone
Concen: 10.340 ng
RT: 8.478 min Scan# 942
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:105 Resp: 255635

Ion	Ratio	Lower	Upper
105	100		
71	2.2	3.0	4.4#
51	25.3	20.5	30.7
120	22.5	18.2	27.2



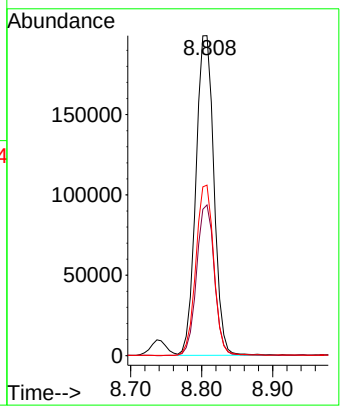


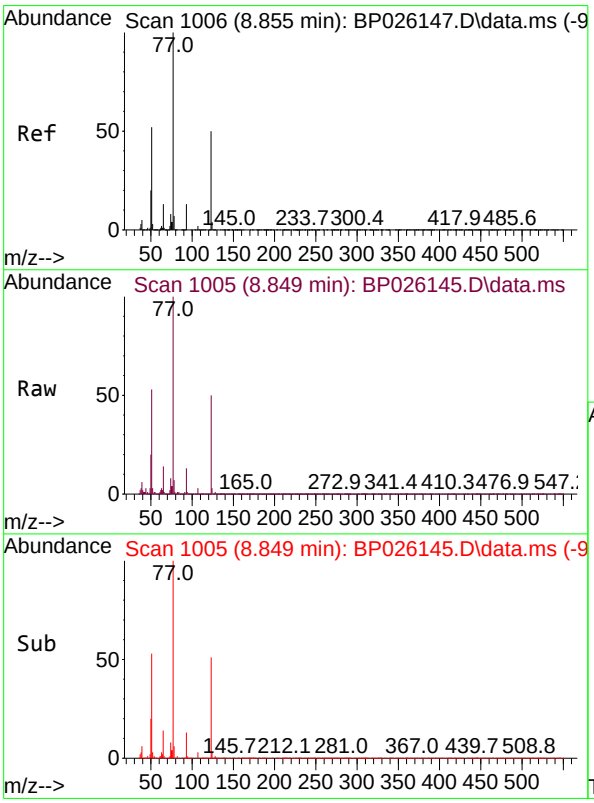
#23
Nitrobenzene-d5
Concen: 22.067 ng
RT: 8.808 min Scan# 99
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 349731

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.0
54	53.3	41.6	62.4

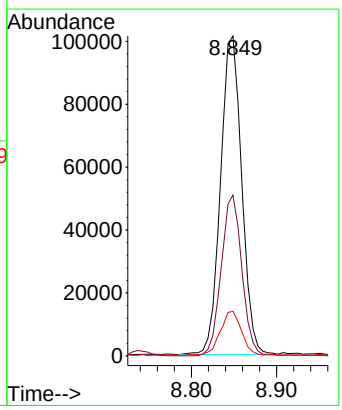


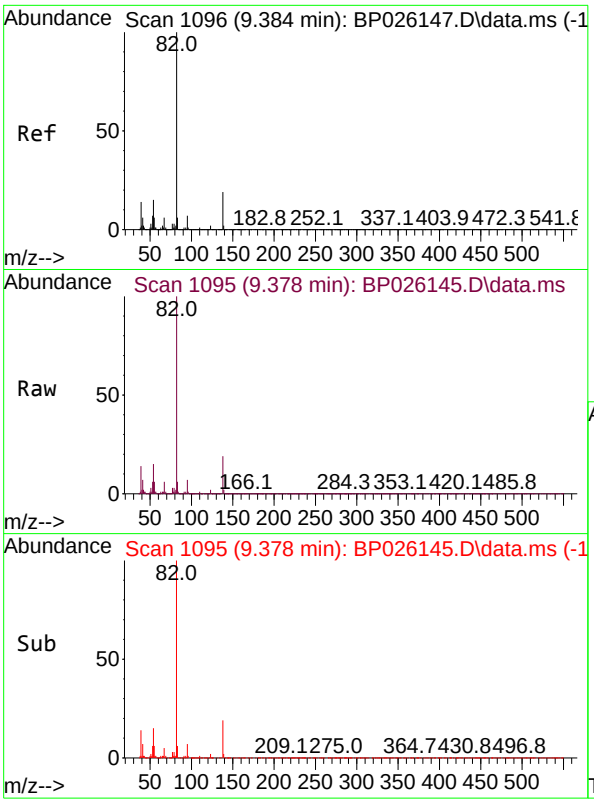


#24
Nitrobenzene
Concen: 10.525 ng
RT: 8.849 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 77 Resp: 174709

Ion	Ratio	Lower	Upper
77	100		
123	50.3	39.8	59.8
65	13.9	11.2	16.8



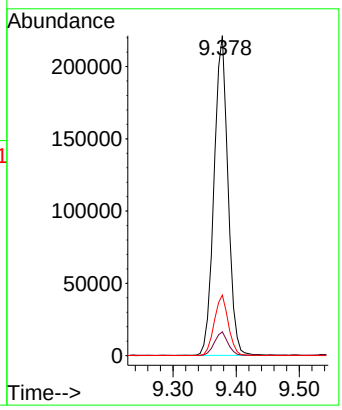


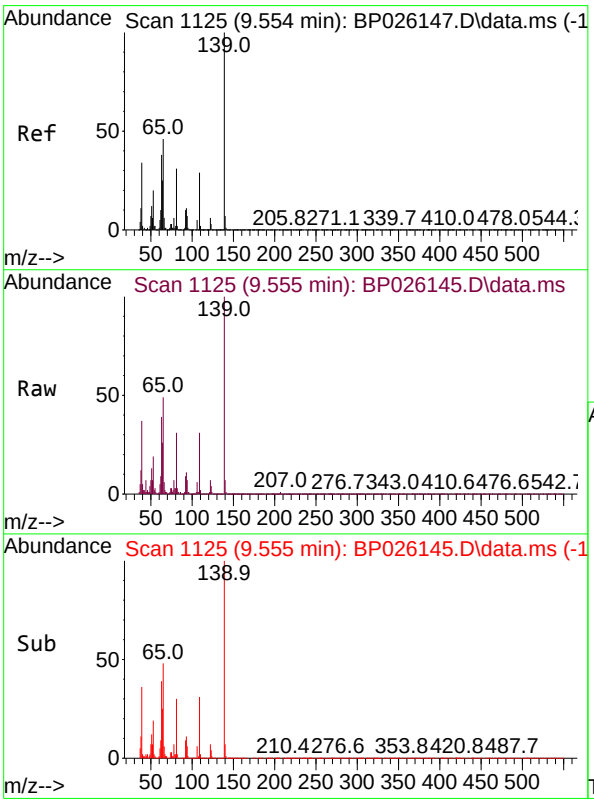
#25
Isophorone
Concen: 10.129 ng
RT: 9.378 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 339778

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.4	8.0
138	18.9	15.4	23.0

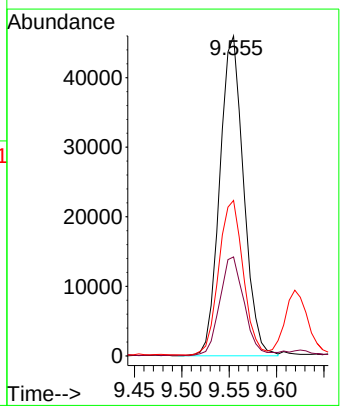


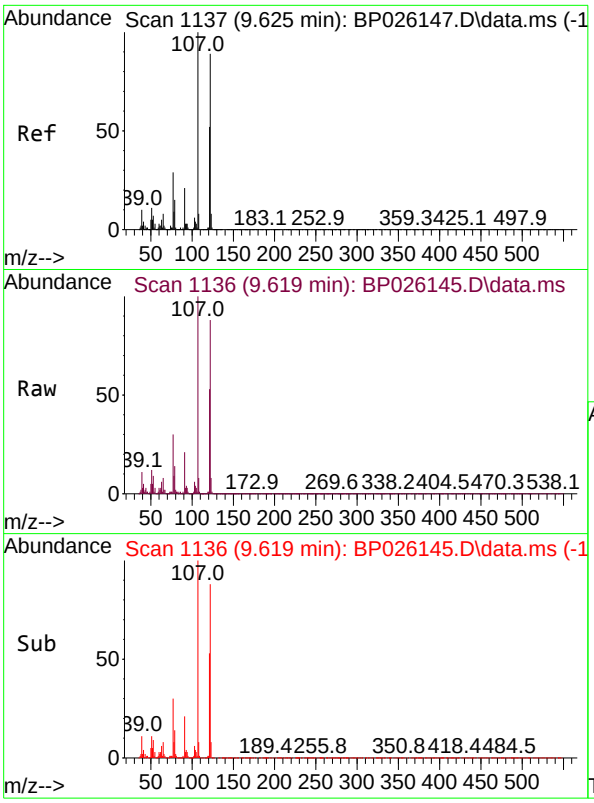


#26
2-Nitrophenol
Concen: 14.210 ng
RT: 9.555 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:139 Resp: 80502

Ion	Ratio	Lower	Upper
139	100		
109	30.9	22.3	33.5
65	48.6	37.2	55.8



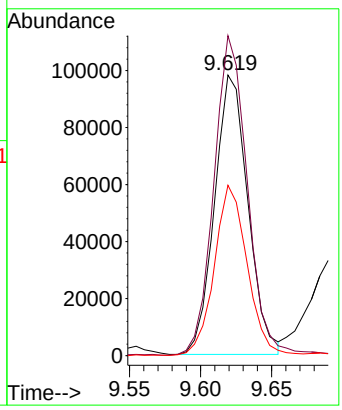


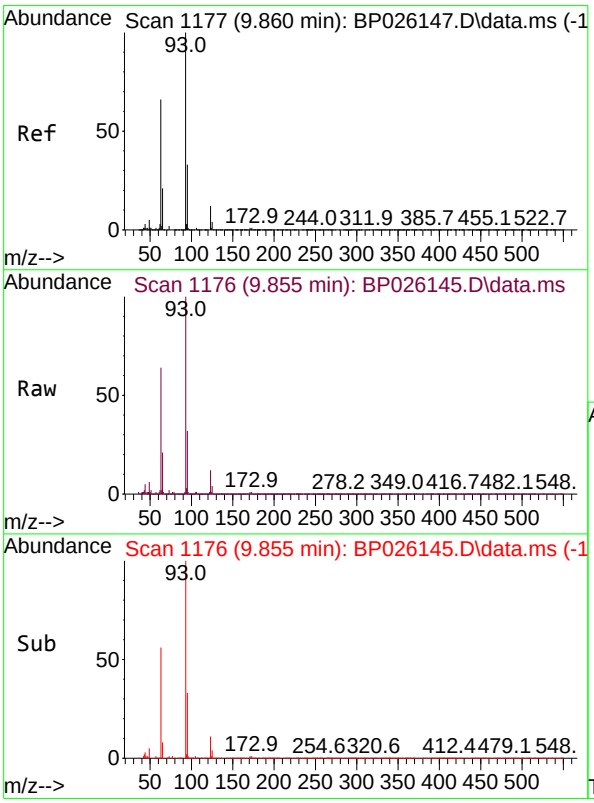
#27
2,4-Dimethylphenol
Concen: 11.184 ng
RT: 9.619 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 160115

Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.0	136.6
121	60.7	47.0	70.6

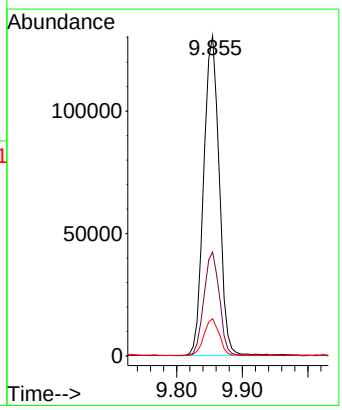


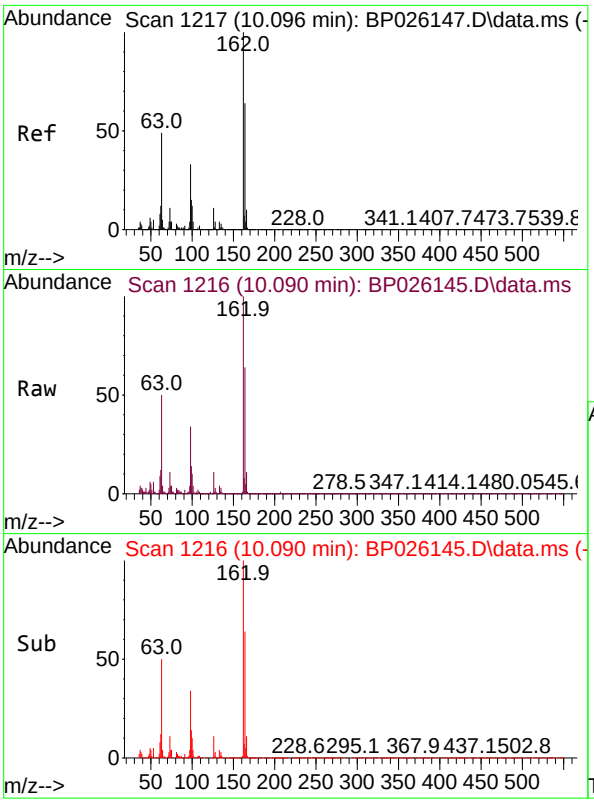


#28
bis(2-Chloroethoxy)methane
Concen: 10.157 ng
RT: 9.855 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 93 Resp: 215062

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.4	39.6
123	11.6	9.4	14.0



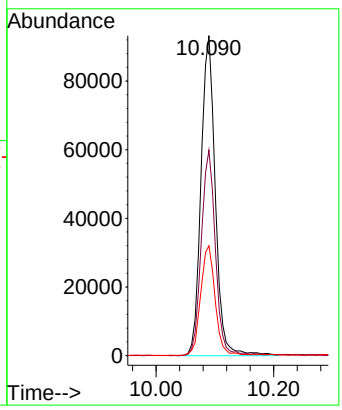


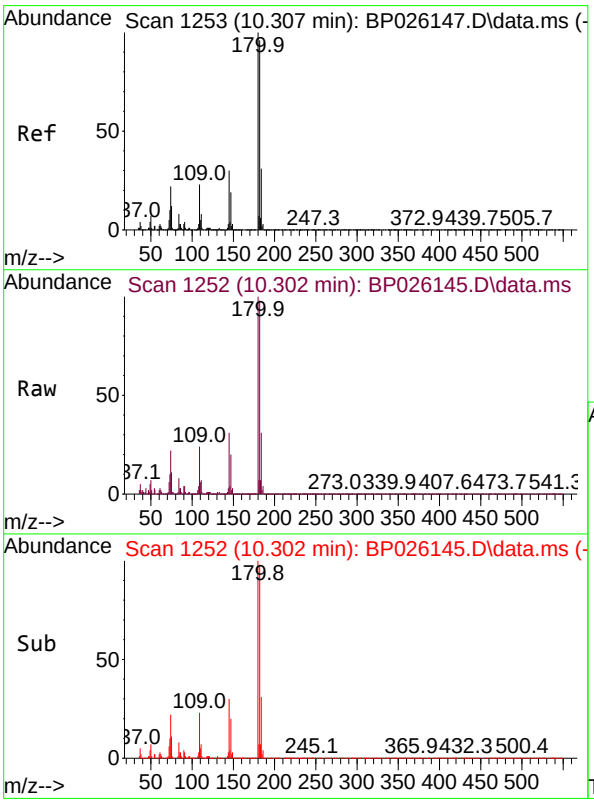
#29
2,4-Dichlorophenol
Concen: 10.558 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 157750

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.8	83.8
98	34.3	14.1	54.1

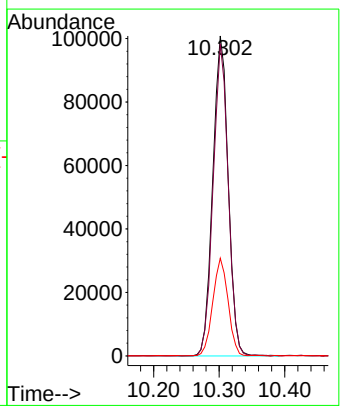


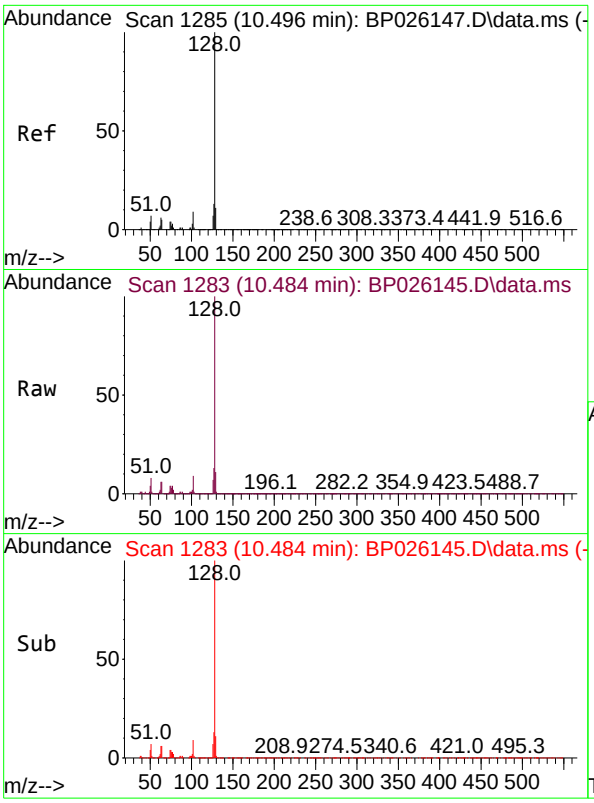


#30
1,2,4-Trichlorobenzene
Concen: 10.189 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:180 Resp: 165087

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.1	117.1
145	30.5	24.2	36.4



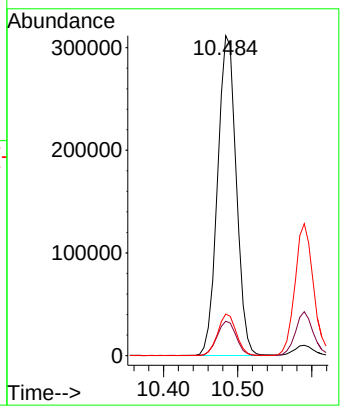


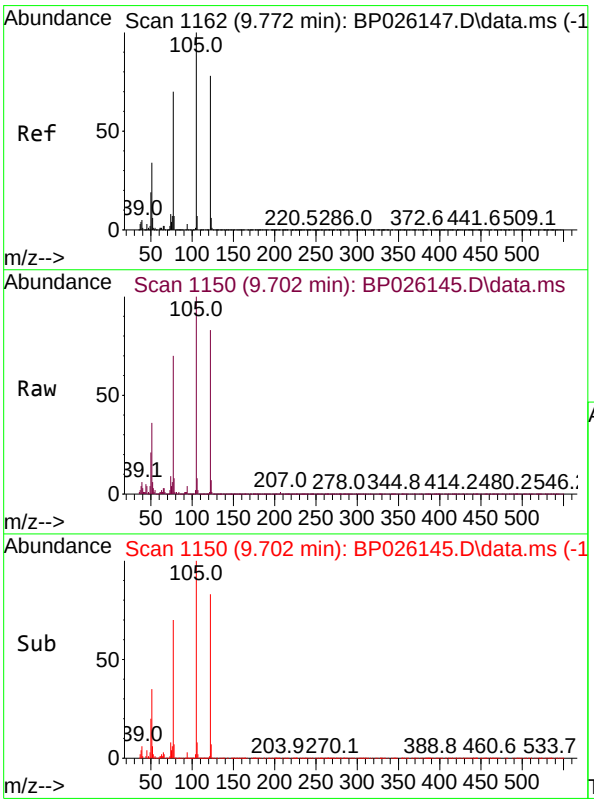
#31
Naphthalene
Concen: 10.256 ng
RT: 10.484 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 546001

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.0	10.2	15.4

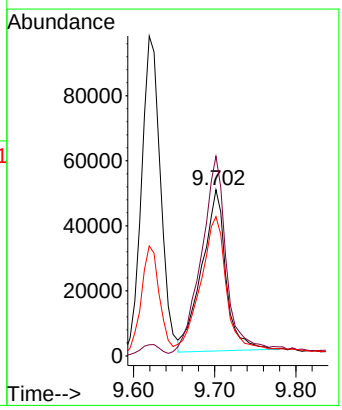


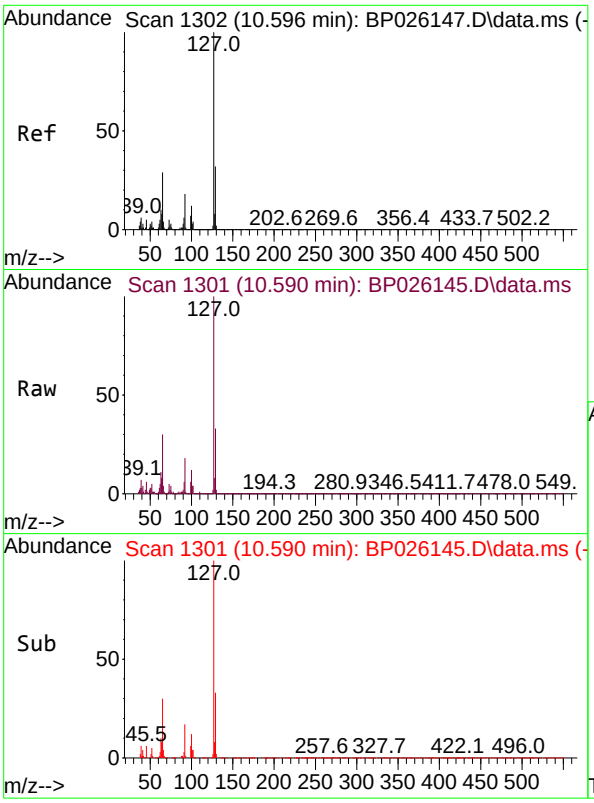


#32
Benzoic acid
Concen: 11.868 ng
RT: 9.702 min Scan# 1150
Delta R.T. -0.064 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:122 Resp: 102438

Ion	Ratio	Lower	Upper
122	100		
105	120.1	100.1	140.1
77	83.9	66.7	106.7



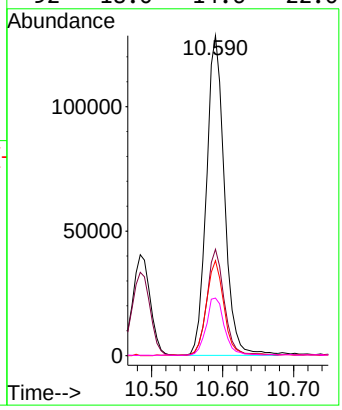


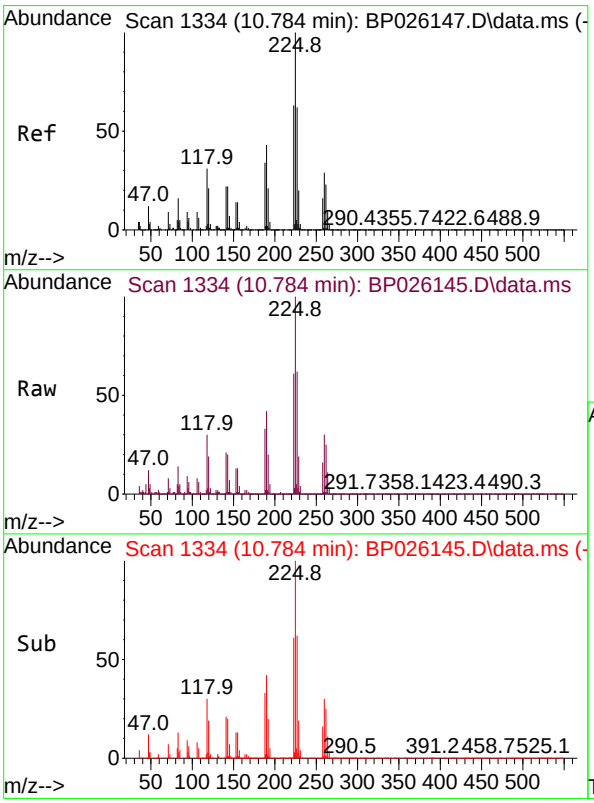
#33
4-Chloroaniline
Concen: 10.919 ng
RT: 10.590 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 225844

Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.8	38.8
65	29.7	22.7	34.1
92	18.0	14.6	22.0

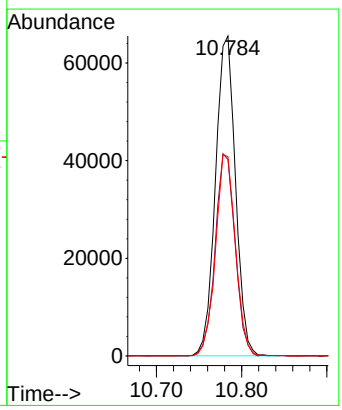


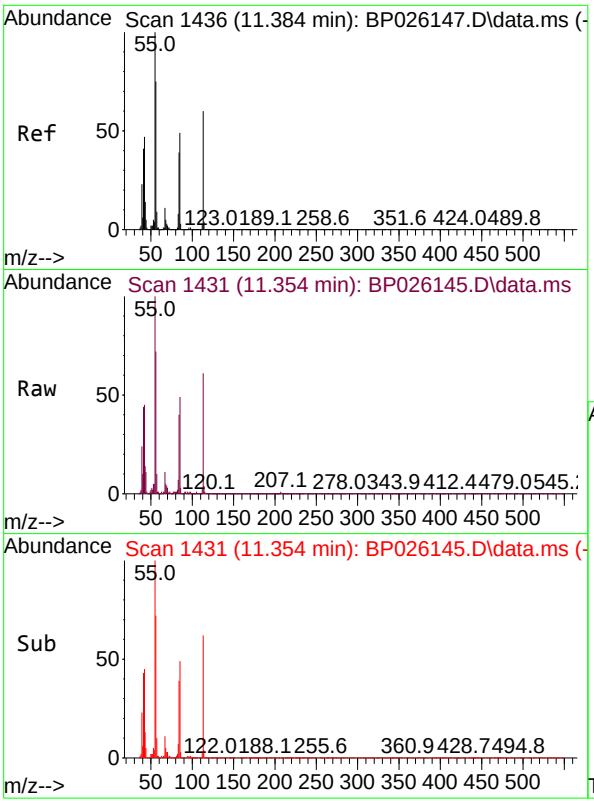


#34
Hexachlorobutadiene
Concen: 10.297 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:225 Resp: 106776

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.6	74.4
227	62.2	51.2	76.8



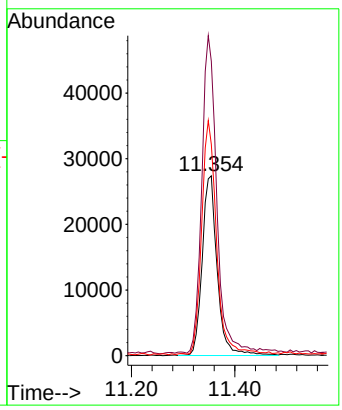


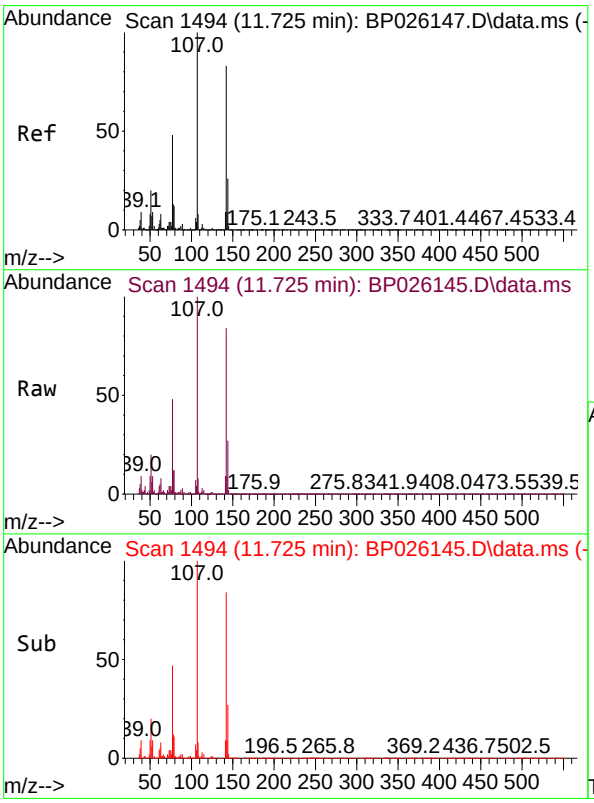
#35
Caprolactam
Concen: 10.571 ng
RT: 11.354 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 55204

Ion	Ratio	Lower	Upper
113	100		
55	163.8	153.0	193.0
56	117.6	106.4	146.4

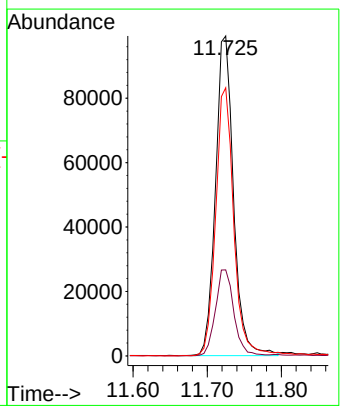


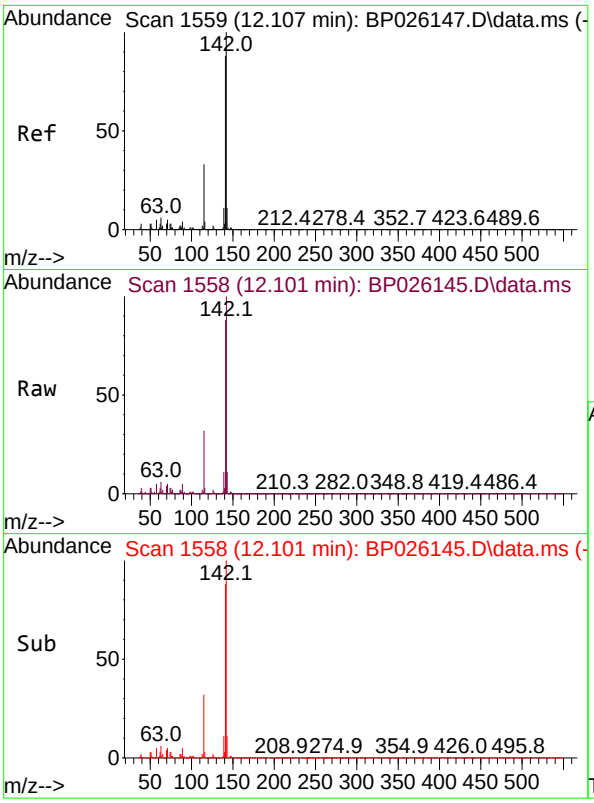


#36
4-Chloro-3-methylphenol
Concen: 10.736 ng
RT: 11.725 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:107 Resp: 167761

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.6	32.4
142	83.8	65.6	98.4



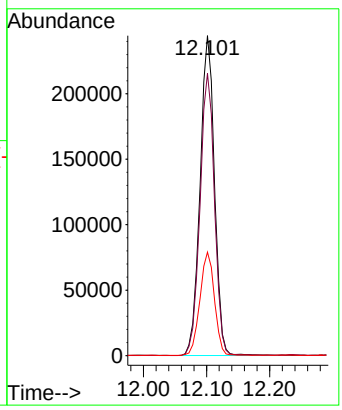


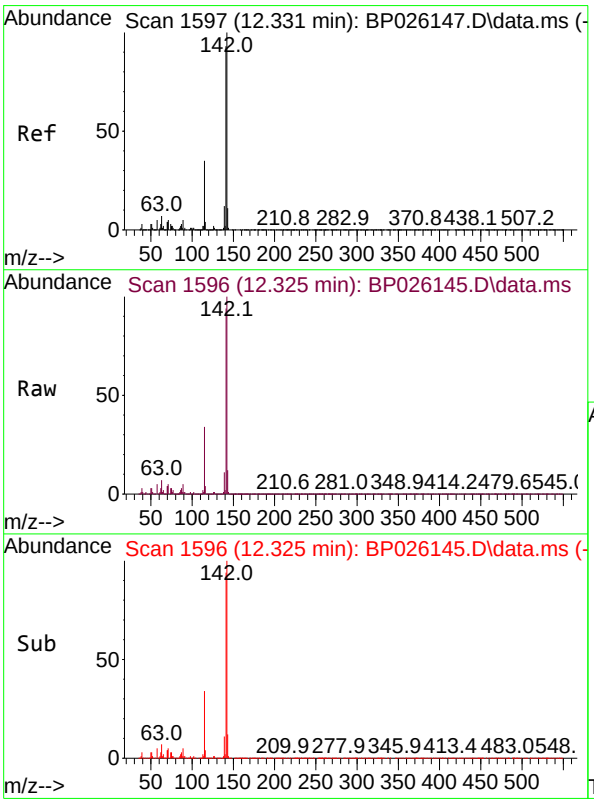
#37
2-Methylnaphthalene
Concen: 10.423 ng
RT: 12.101 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 387952

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	32.3	26.6	39.8

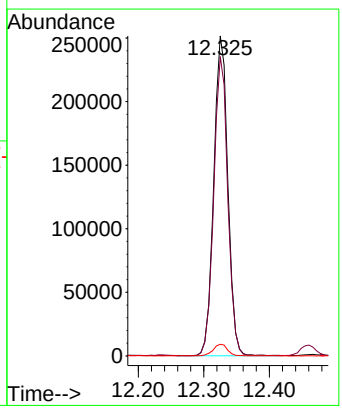


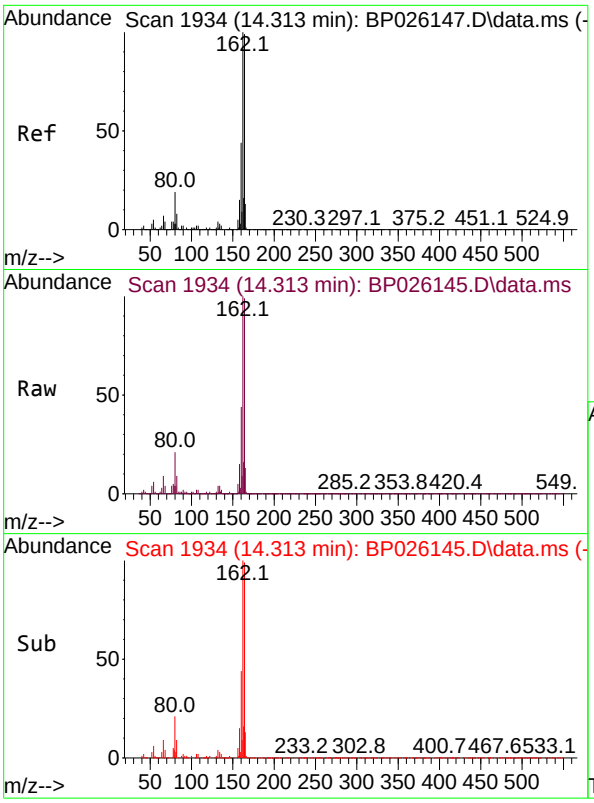


#38
1-Methylnaphthalene
Concen: 10.395 ng
RT: 12.325 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:142 Resp: 376177

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.5	110.3
116	3.6	3.0	4.4



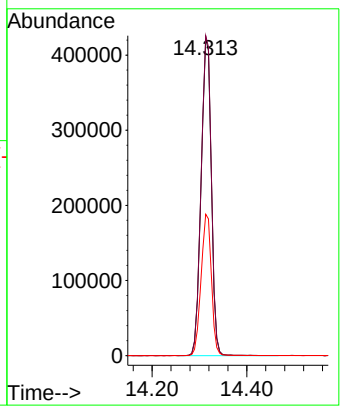


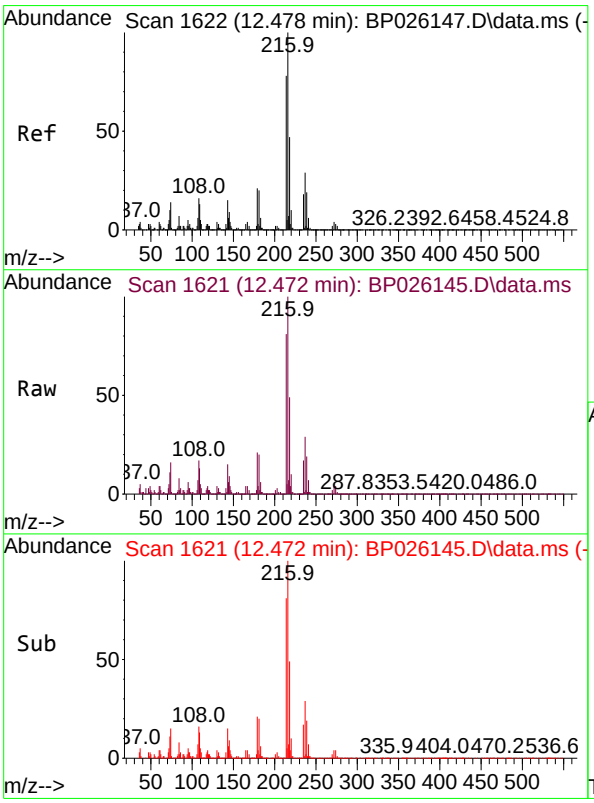
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 630488

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.3	120.5
160	44.6	35.2	52.8

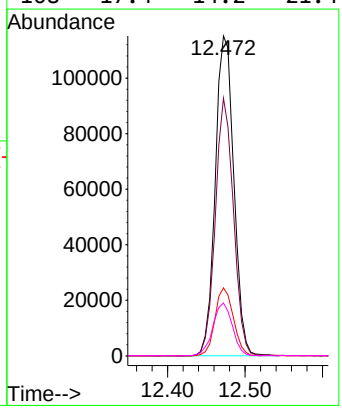


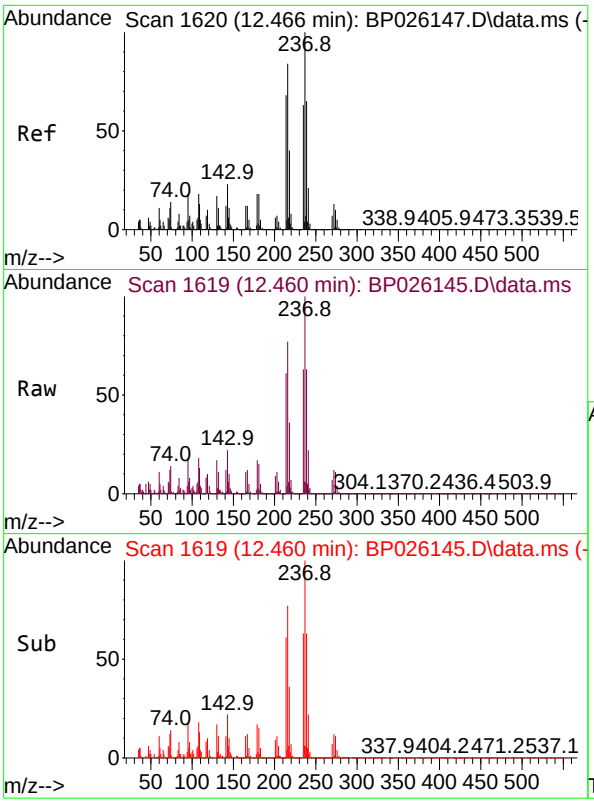


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.860 ng
RT: 12.472 min Scan# 1621
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:216 Resp: 192367

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	94.0
179	20.9	16.6	25.0
108	17.4	14.2	21.4



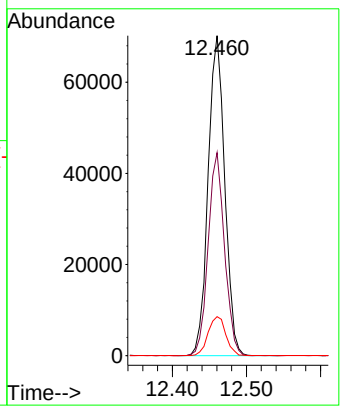


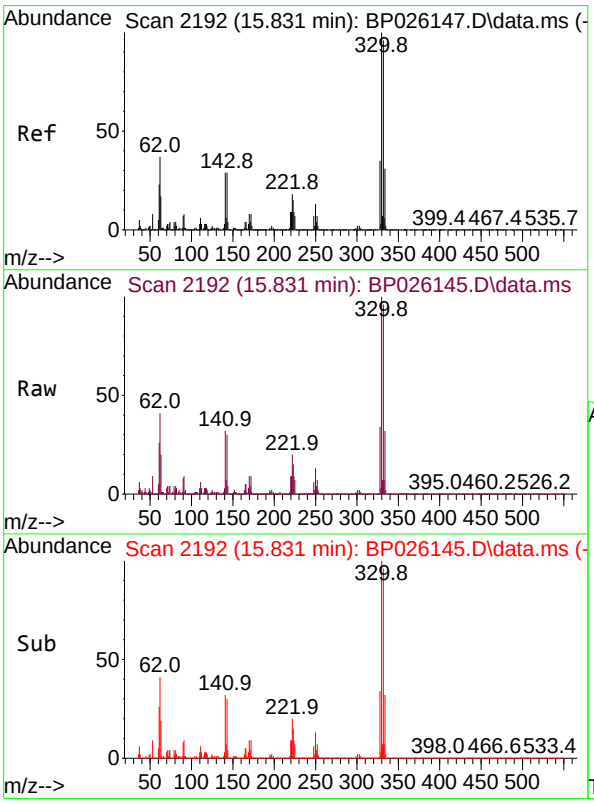
#41
Hexachlorocyclopentadiene
Concen: 13.468 ng
RT: 12.460 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 109280

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	12.2	0.0	32.9

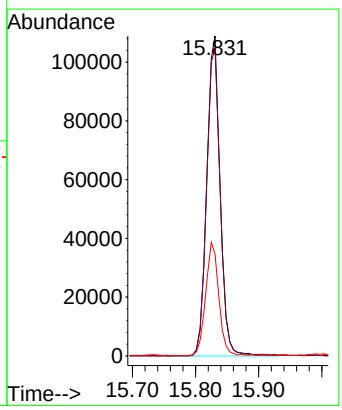


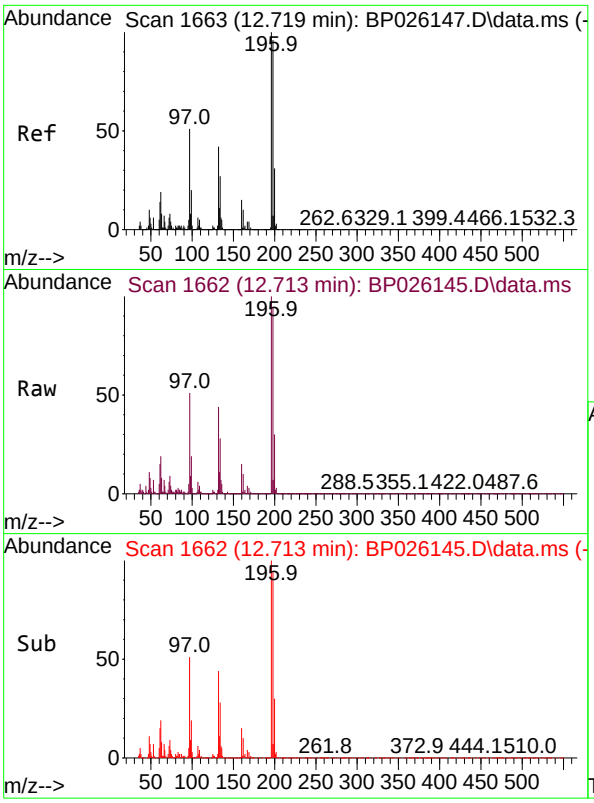


#42
2,4,6-Tribromophenol
Concen: 23.122 ng
RT: 15.831 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:330 Resp: 159702

Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.0	117.0
141	35.0	26.8	40.2



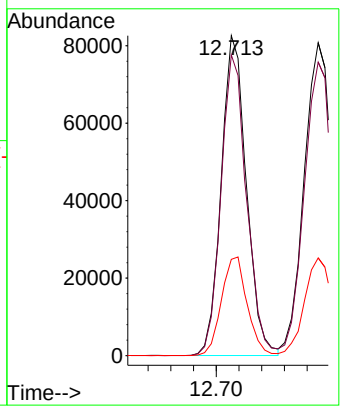


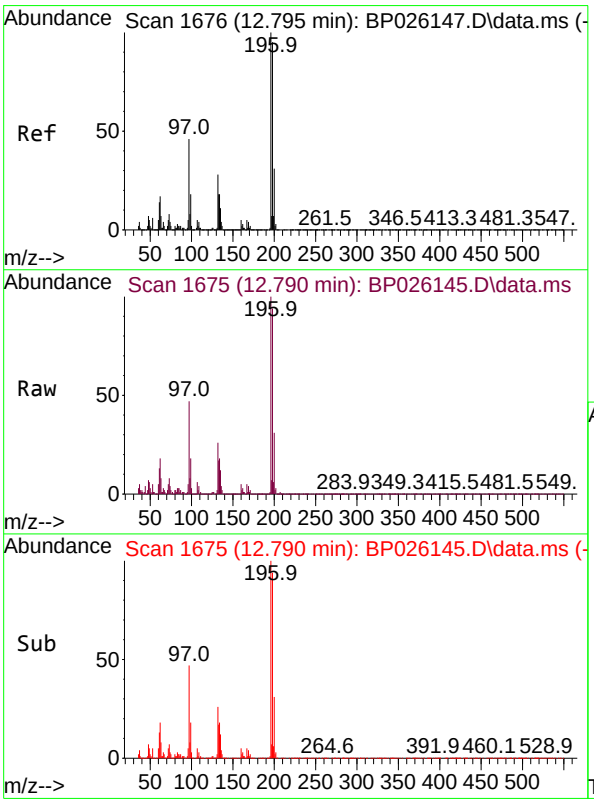
#43
2,4,6-Trichlorophenol
Concen: 10.910 ng
RT: 12.713 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 127331

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.9	115.3
200	30.1	24.6	37.0

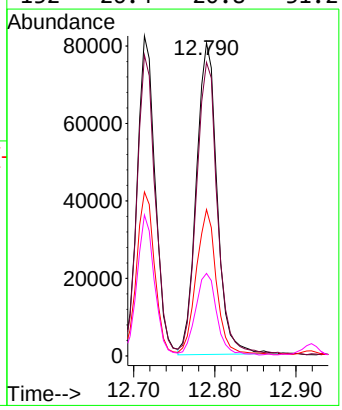


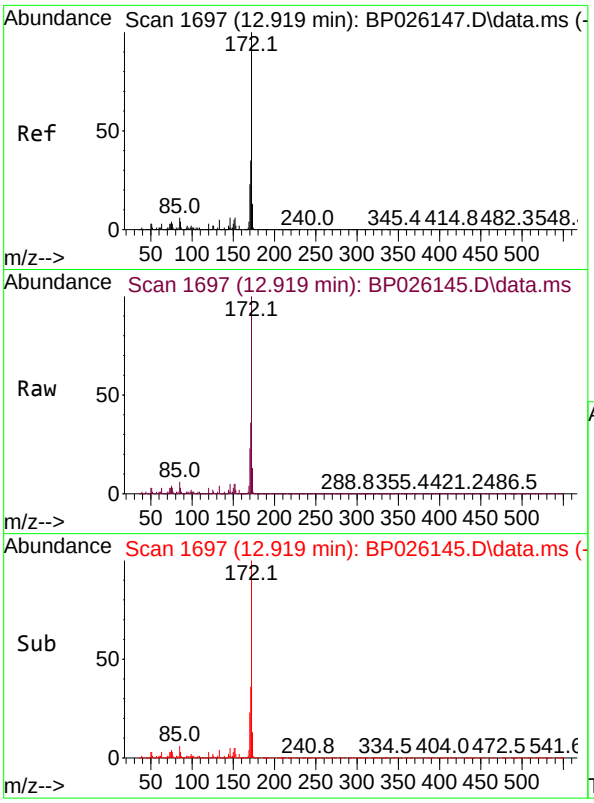


#44
2,4,5-Trichlorophenol
Concen: 10.794 ng
RT: 12.790 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:196 Resp: 143128

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.4	114.6
97	46.8	35.7	53.5
132	26.4	20.8	31.2



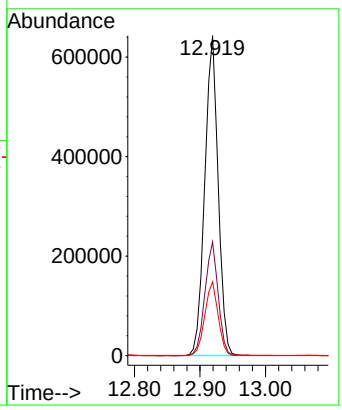


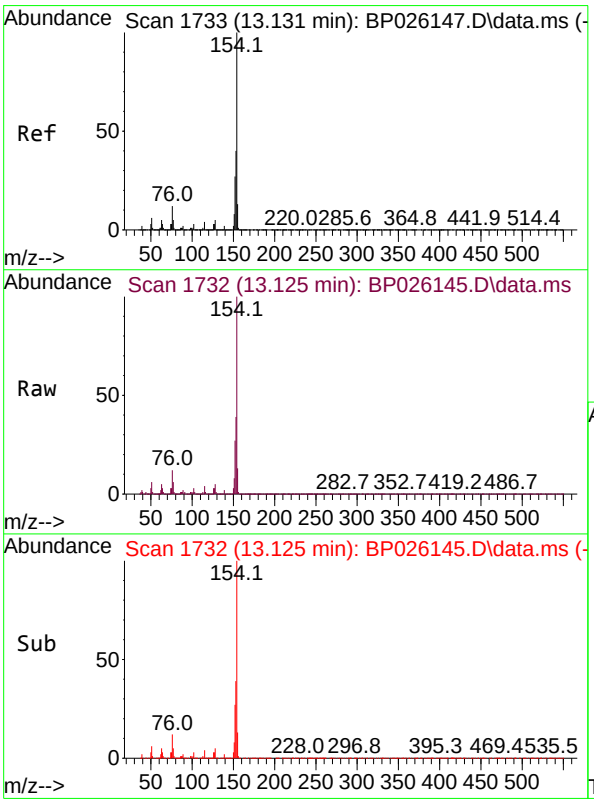
#45
2-Fluorobiphenyl
Concen: 20.807 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 909238

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.0	18.7	28.1

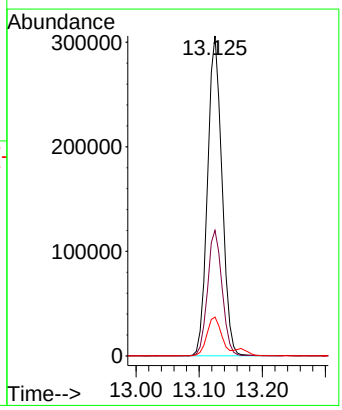


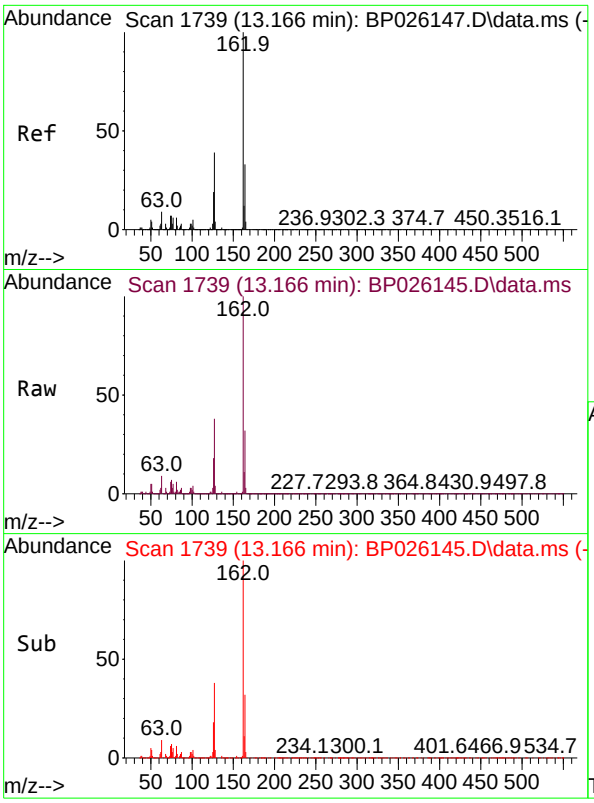


#46
1,1'-Biphenyl
Concen: 10.101 ng
RT: 13.125 min Scan# 1732
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:154 Resp: 485448

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.3	60.3
76	12.1	0.0	32.3



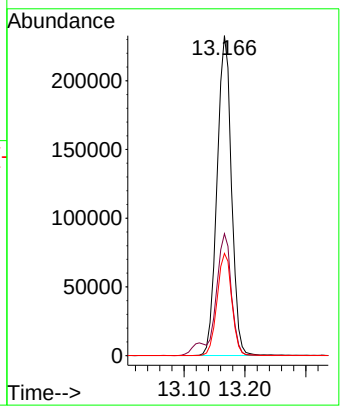


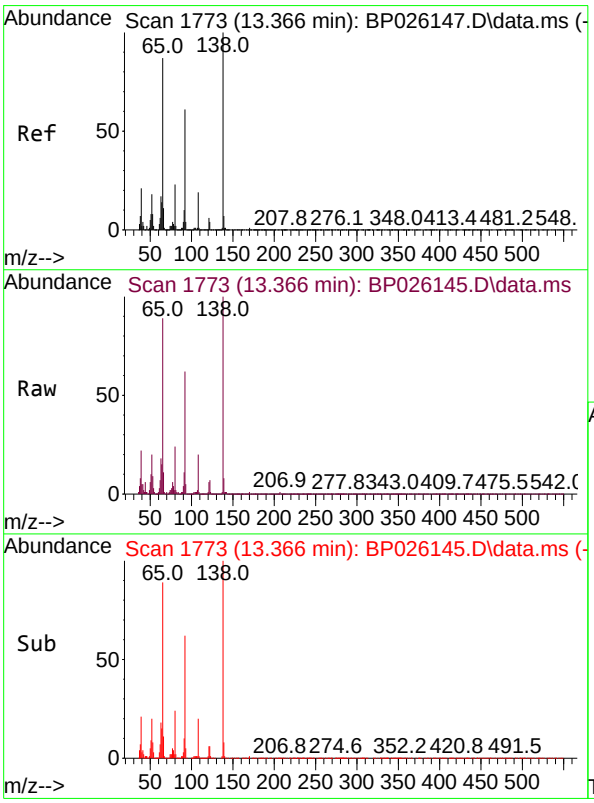
#47
2-Chloronaphthalene
Concen: 10.136 ng
RT: 13.166 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 382981

Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.9	46.3
164	31.9	26.4	39.6

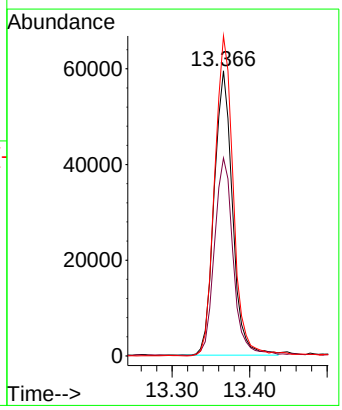


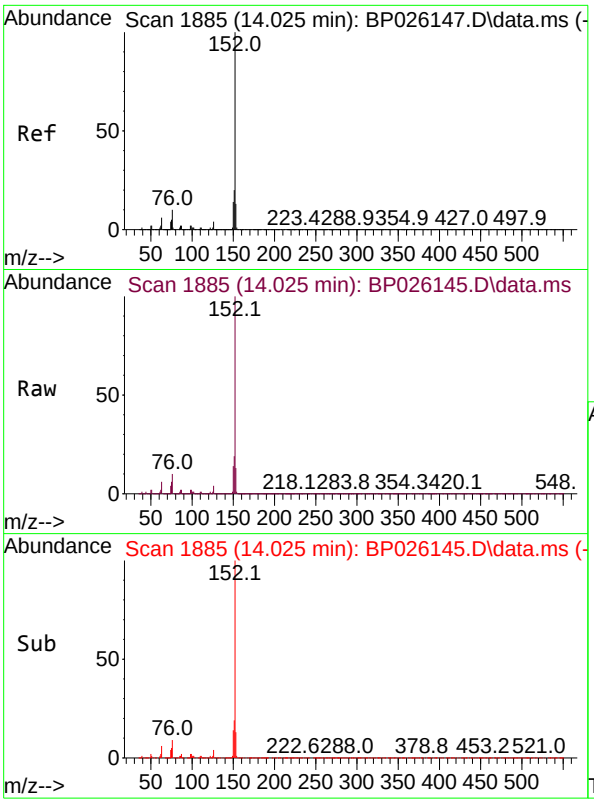


#48
2-Nitroaniline
Concen: 11.256 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion: 65 Resp: 97829

Ion	Ratio	Lower	Upper
65	100		
92	69.4	59.1	88.7
138	112.3	96.6	145.0



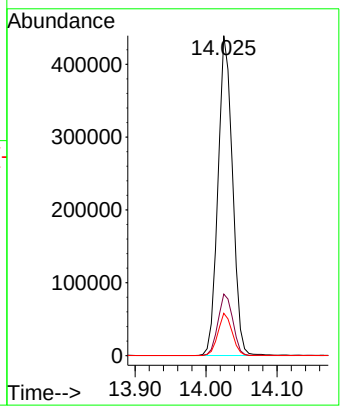


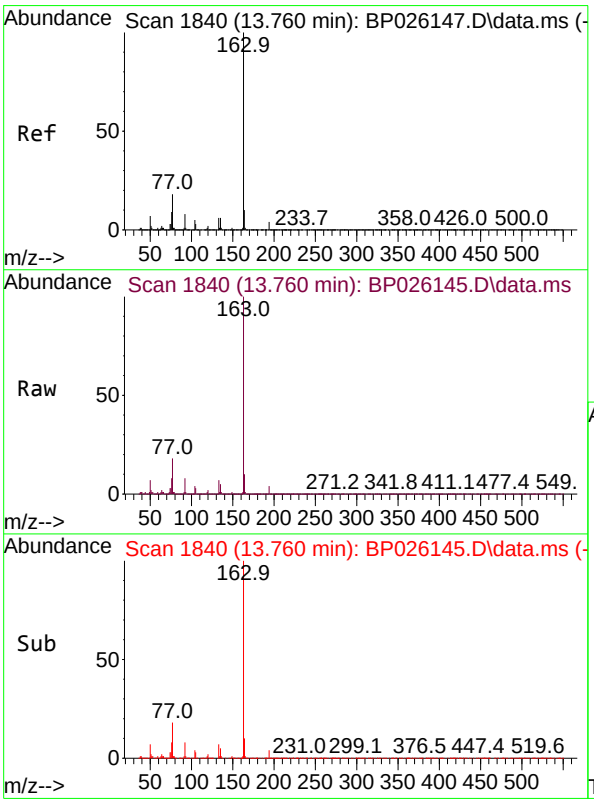
#49
Acenaphthylene
Concen: 11.215 ng
RT: 14.025 min Scan# 18
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 626312

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	13.2	10.6	16.0

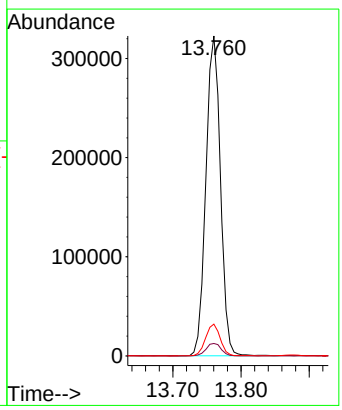


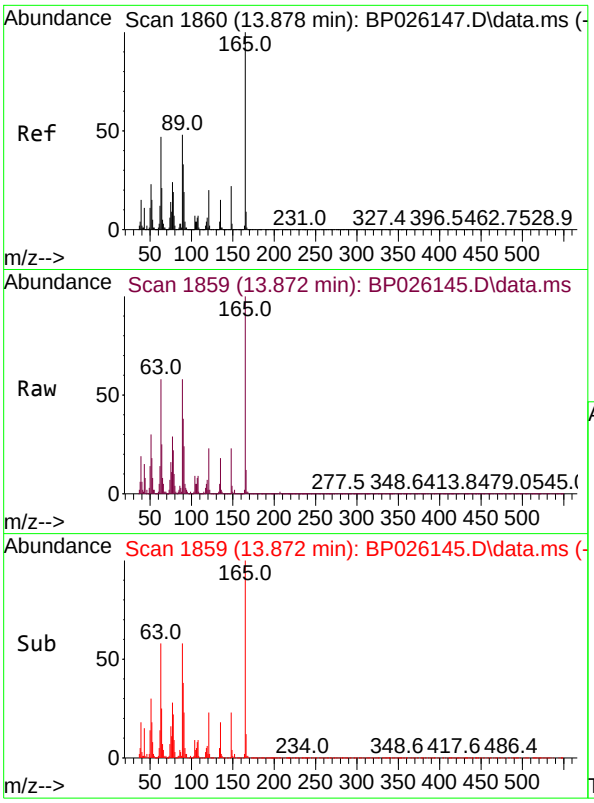


#50
Dimethylphthalate
Concen: 10.476 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:163 Resp: 478267

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.9	8.2	12.2



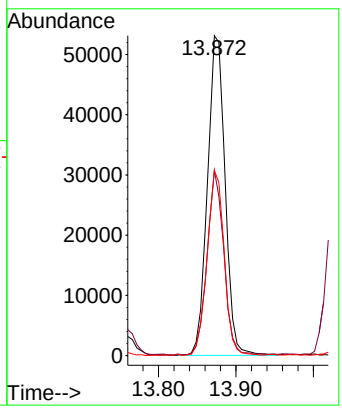


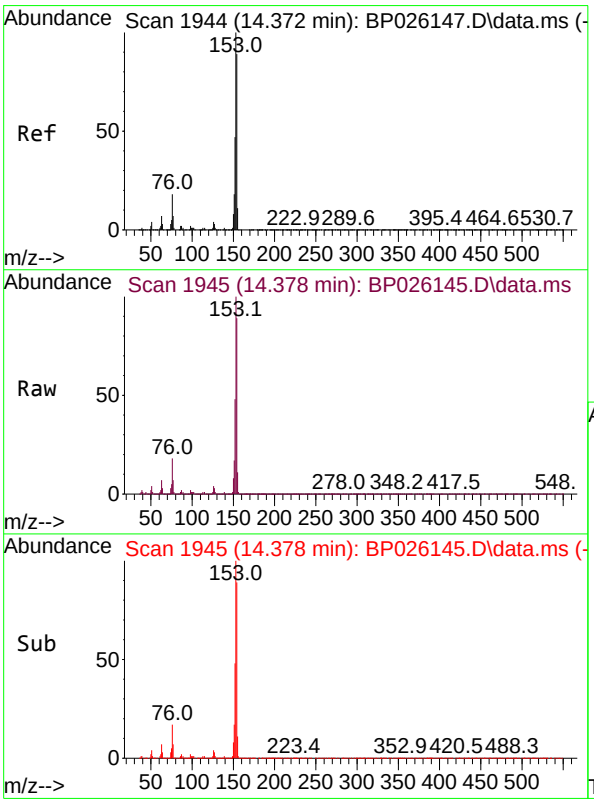
#51
2,6-Dinitrotoluene
Concen: 10.948 ng
RT: 13.872 min Scan# 18
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 84028

Ion	Ratio	Lower	Upper
165	100		
63	57.9	40.5	60.7
89	57.9	41.3	61.9

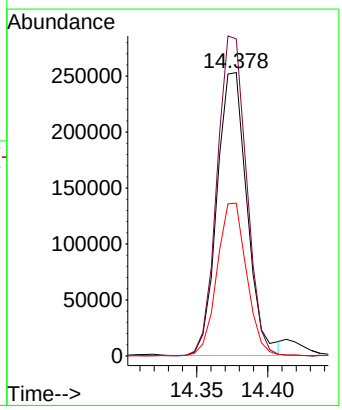


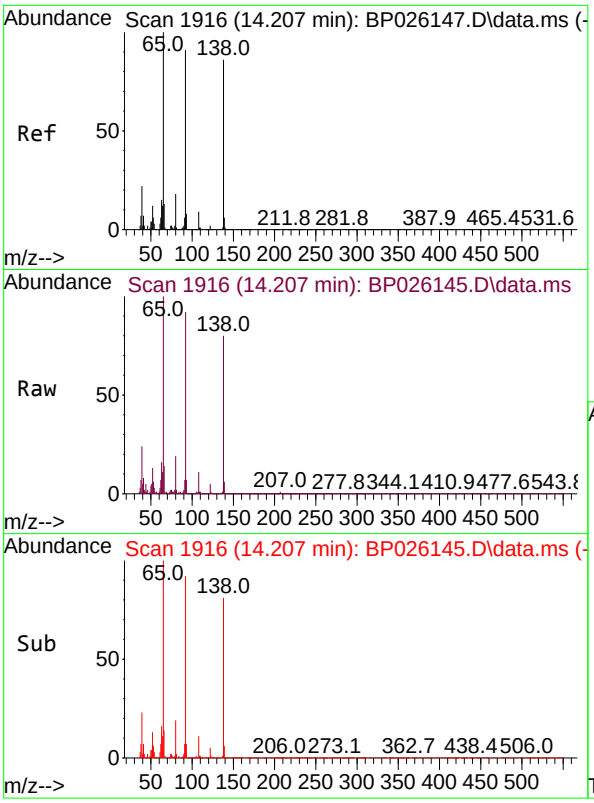


#52
Acenaphthene
Concen: 9.972 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:154 Resp: 372613

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.7	136.1
152	53.9	42.8	64.2



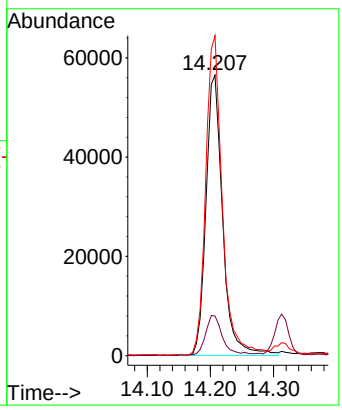


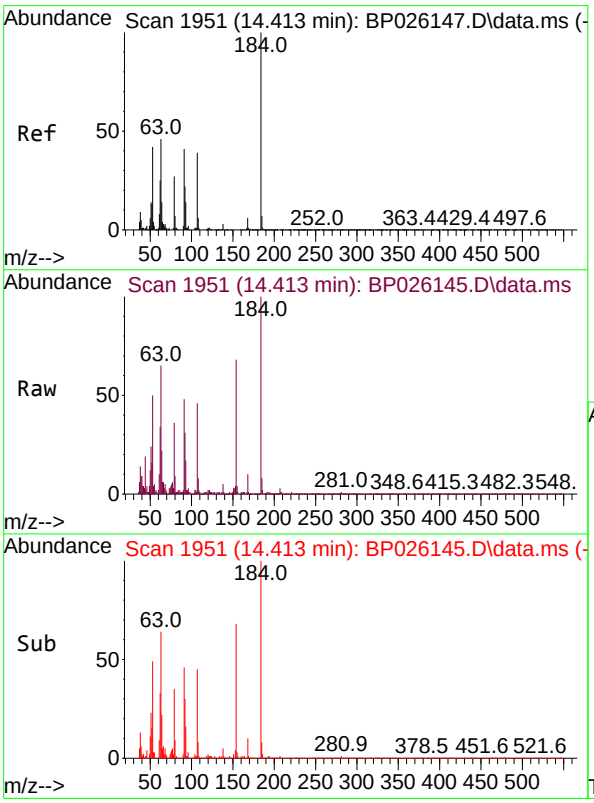
#53
3-Nitroaniline
Concen: 11.189 ng
RT: 14.207 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 103894

Ion	Ratio	Lower	Upper
138	100		
108	14.1	8.9	13.3#
92	114.1	86.3	129.5

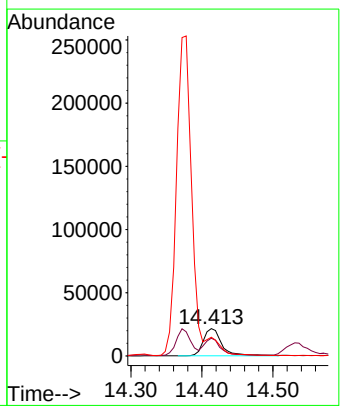


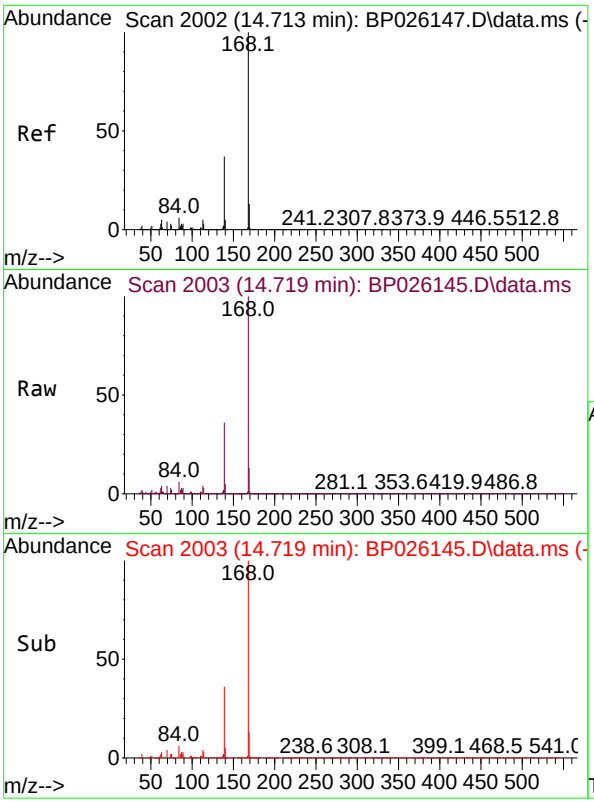


#54
2,4-Dinitrophenol
Concen: 11.062 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:184 Resp: 38962

Ion	Ratio	Lower	Upper
184	100		
63	64.9	43.1	64.7#
154	68.2	49.5	74.3



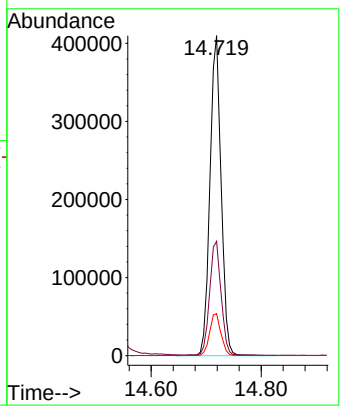


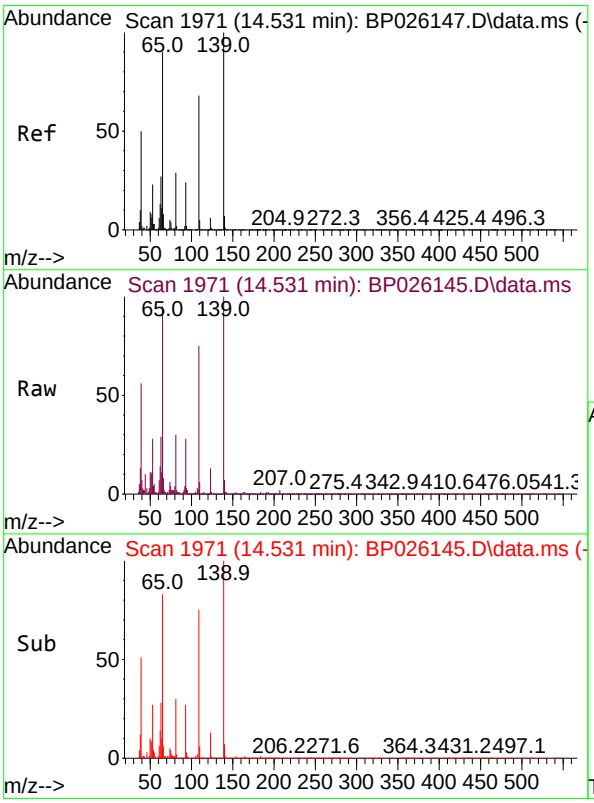
#55
Dibenzofuran
Concen: 10.148 ng
RT: 14.719 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 577473

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.8	44.6
169	13.1	10.9	16.3

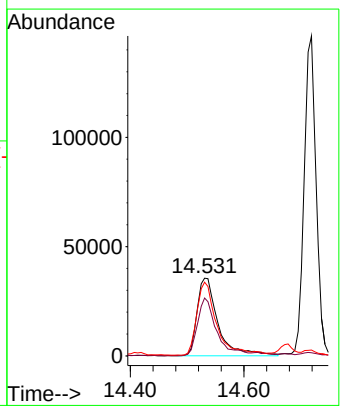


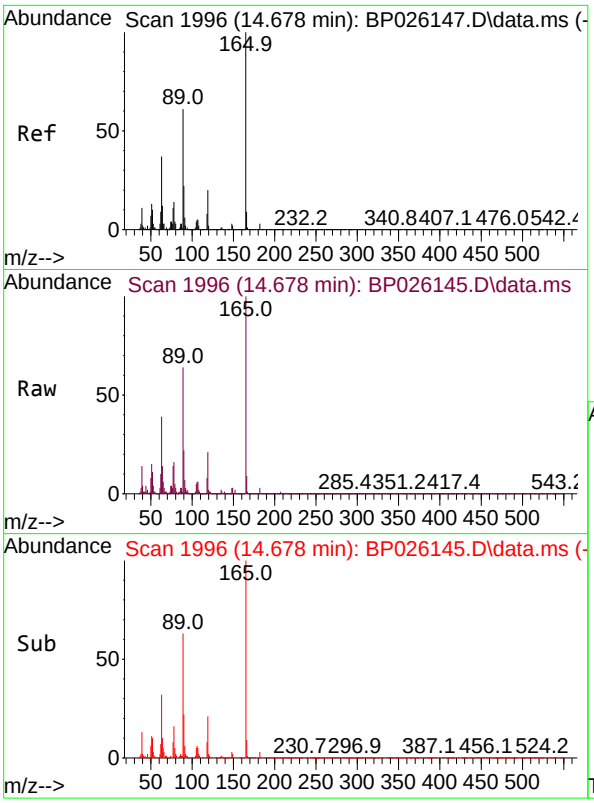


#56
4-Nitrophenol
Concen: 9.876 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:139 Resp: 91274

Ion	Ratio	Lower	Upper
139	100		
109	74.5	46.8	86.8
65	94.9	69.3	109.3



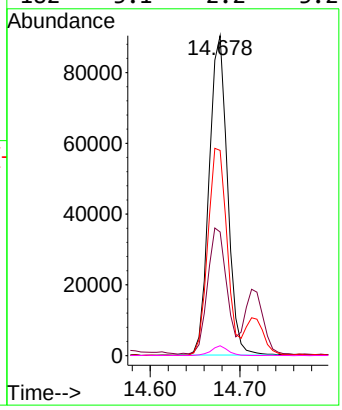


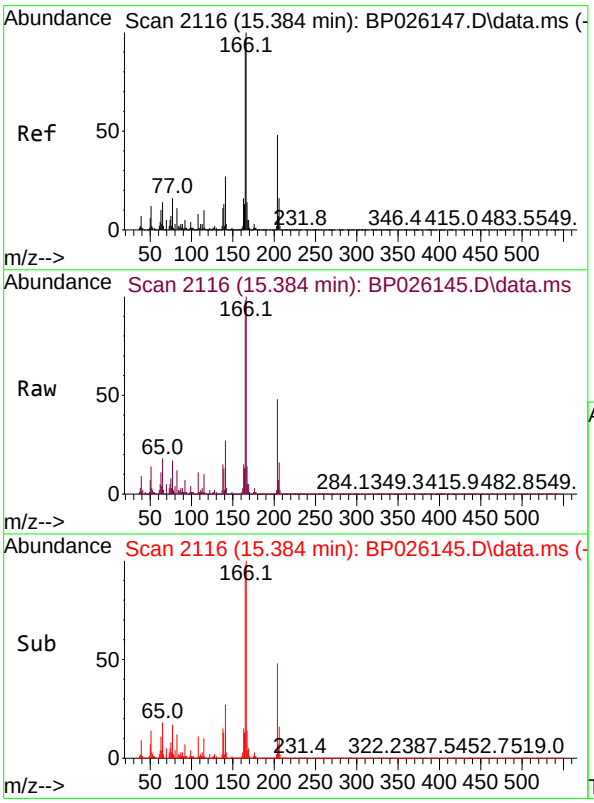
#57
2,4-Dinitrotoluene
Concen: 11.467 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 128442

Ion	Ratio	Lower	Upper
165	100		
63	38.6	31.0	46.6
89	64.1	51.7	77.5
182	3.1	2.2	3.2

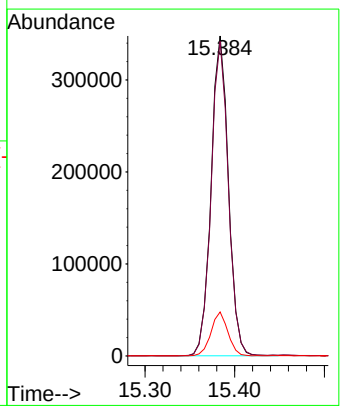


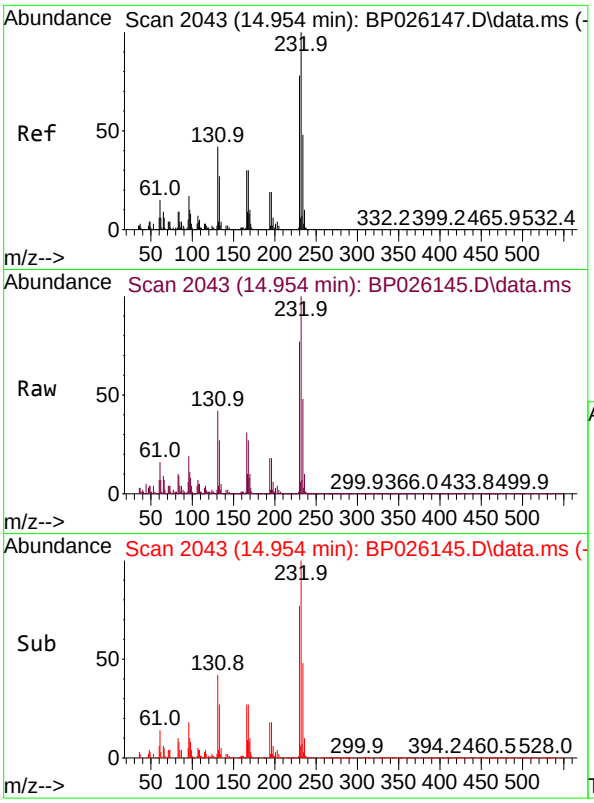


#58
Fluorene
Concen: 10.507 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:166 Resp: 469782

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.9	116.9
167	13.7	11.0	16.4



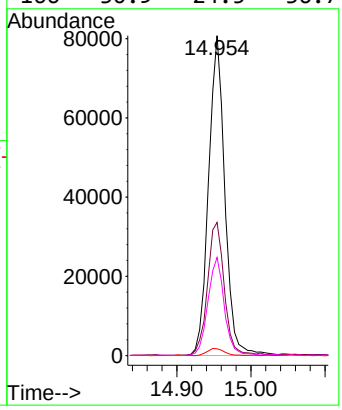


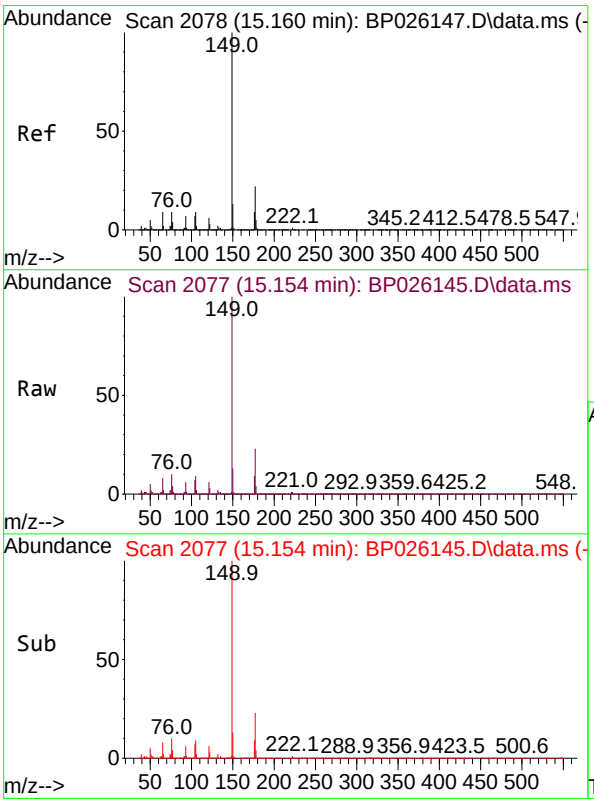
#59
2,3,4,6-Tetrachlorophenol
Concen: 11.749 ng
RT: 14.954 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 123375

Ion	Ratio	Lower	Upper
232	100		
131	43.0	34.8	52.2
130	2.4	1.8	2.8
166	30.9	24.5	36.7

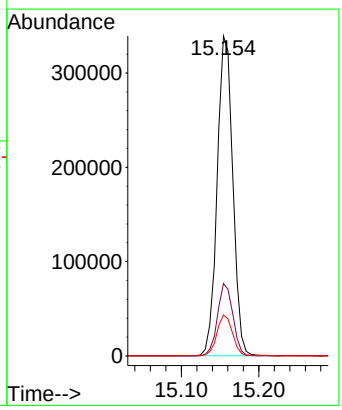


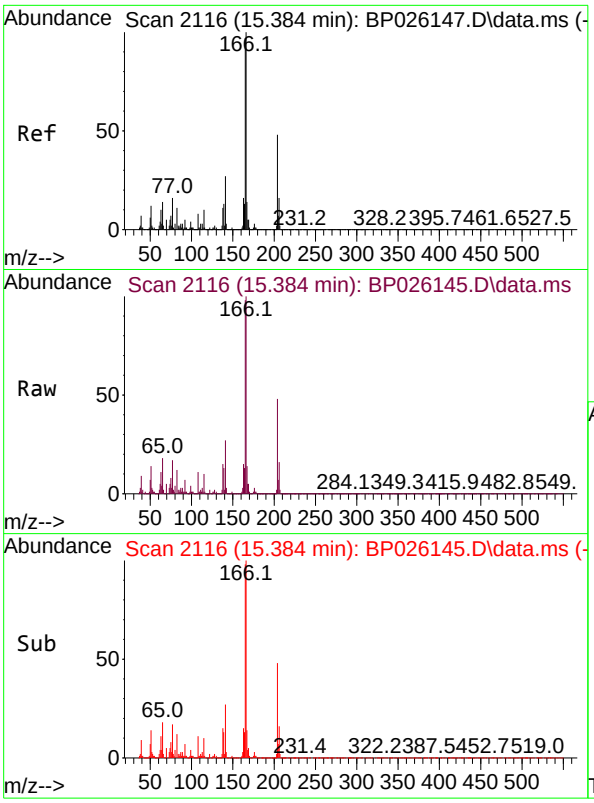


#60
Diethylphthalate
Concen: 10.343 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:149 Resp: 475038

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.8	9.9	14.9



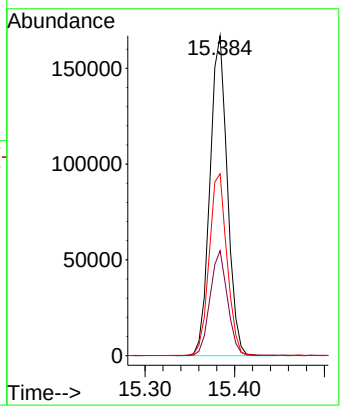


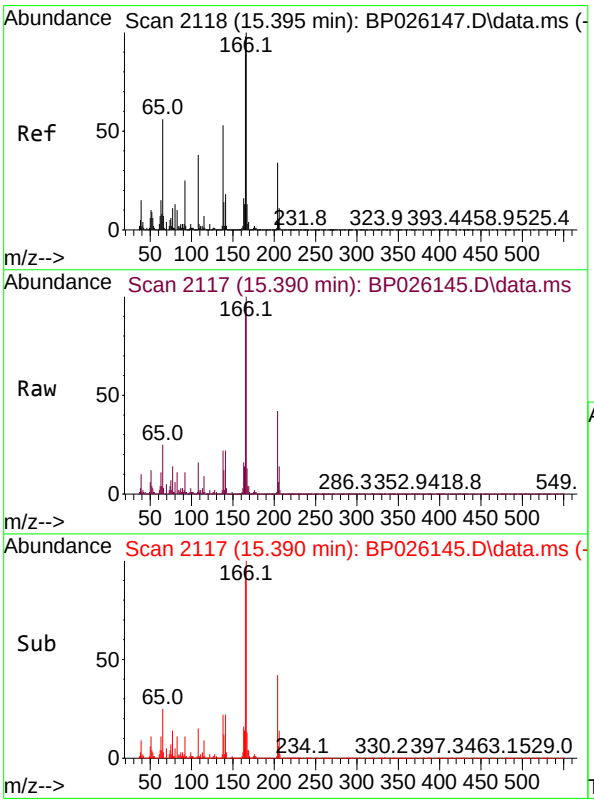
#61
4-Chlorophenyl-phenylether
Concen: 10.144 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 226085

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	56.8	48.1	72.1

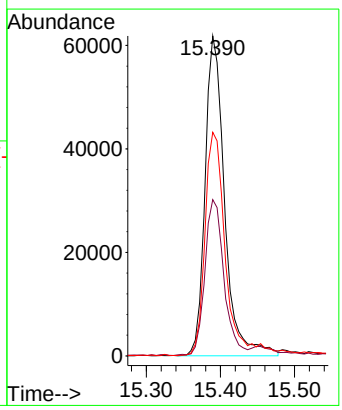


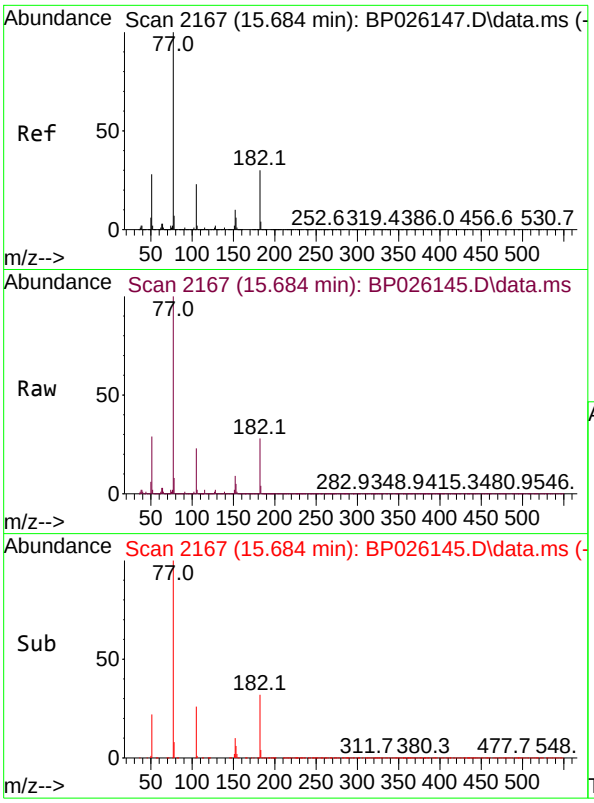


#62
4-Nitroaniline
Concen: 11.490 ng
RT: 15.390 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:138 Resp: 113144

Ion	Ratio	Lower	Upper
138	100		
92	48.8	27.5	67.5
108	69.9	51.1	91.1



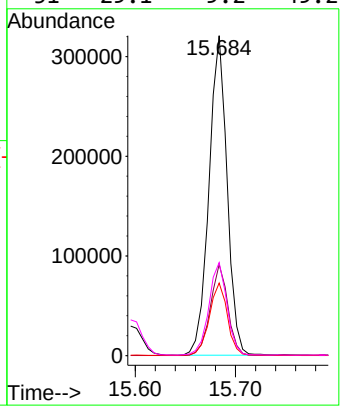


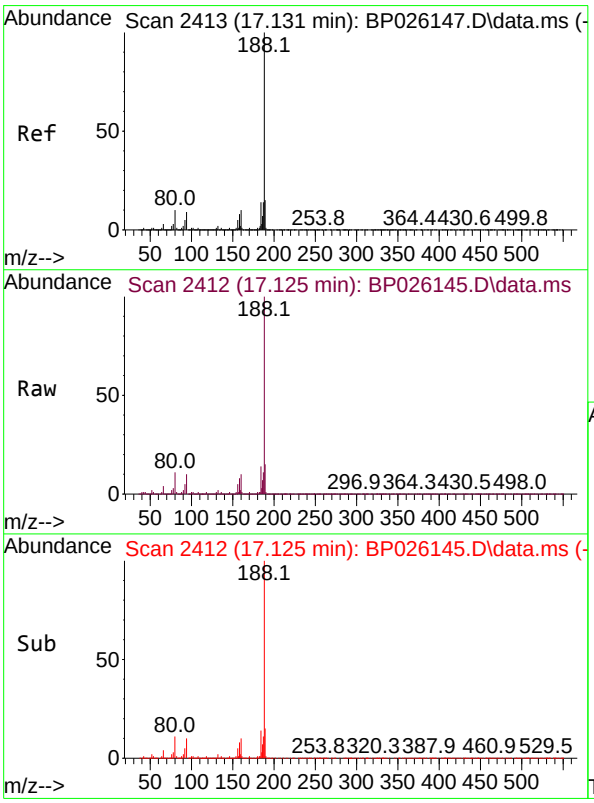
#63
Azobenzene
Concen: 9.741 ng
RT: 15.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 402256

Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.8	48.8
105	22.7	2.6	42.6
51	29.1	9.2	49.2

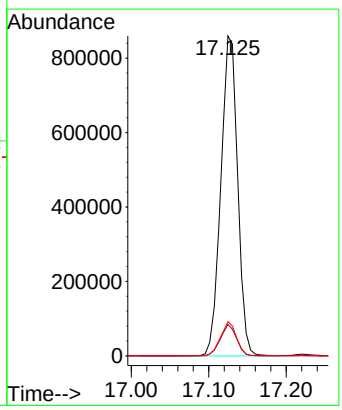


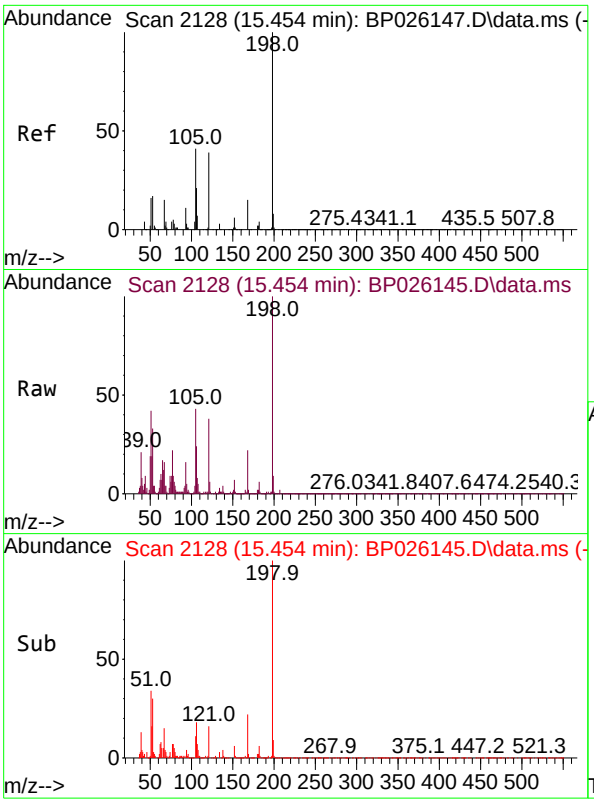


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:188 Resp: 1297120

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.7	8.2	12.2



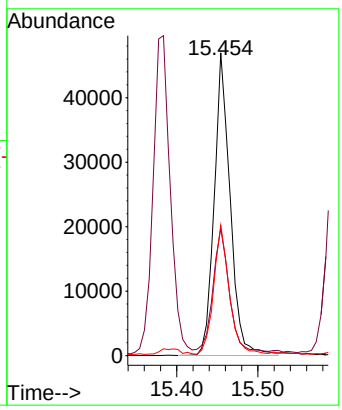


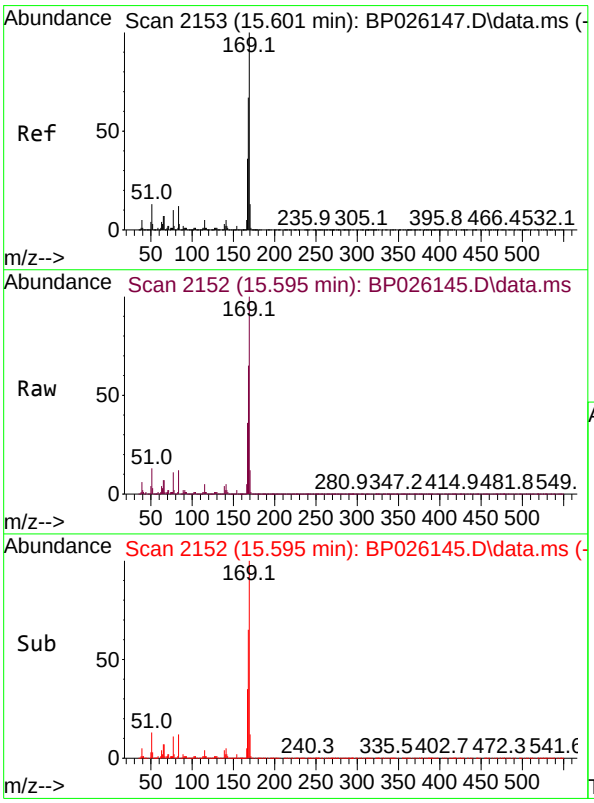
#65
4,6-Dinitro-2-methylphenol
Concen: 11.592 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 64177

Ion	Ratio	Lower	Upper
198	100		
51	42.0	18.4	58.4
105	43.1	18.5	58.5

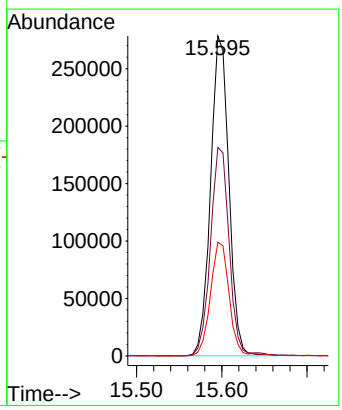


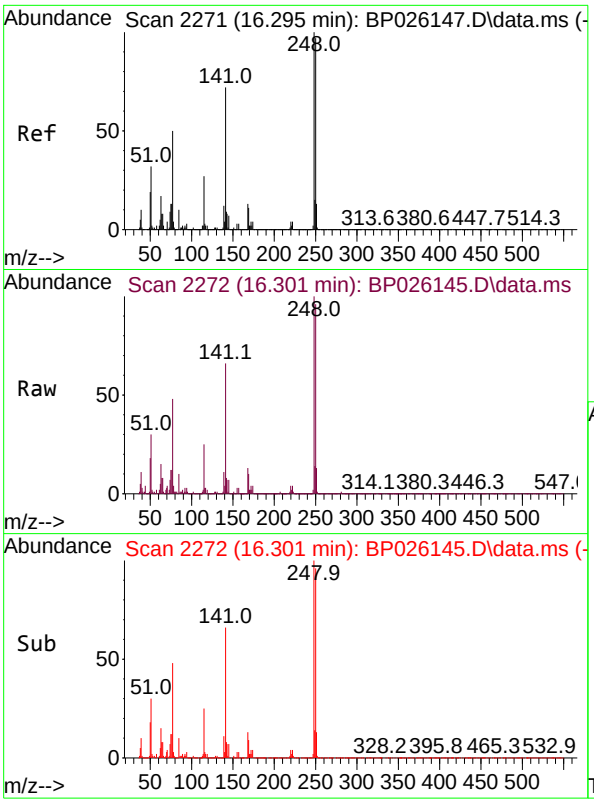


#66
n-Nitrosodiphenylamine
Concen: 10.270 ng
RT: 15.595 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:169 Resp: 415043

Ion	Ratio	Lower	Upper
169	100		
168	65.1	53.1	79.7
167	35.5	28.9	43.3



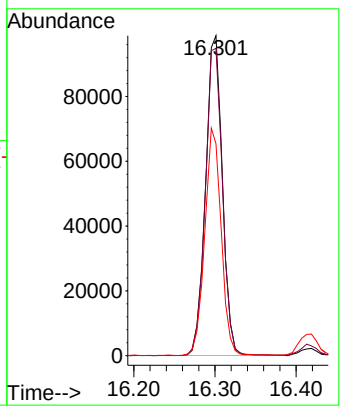


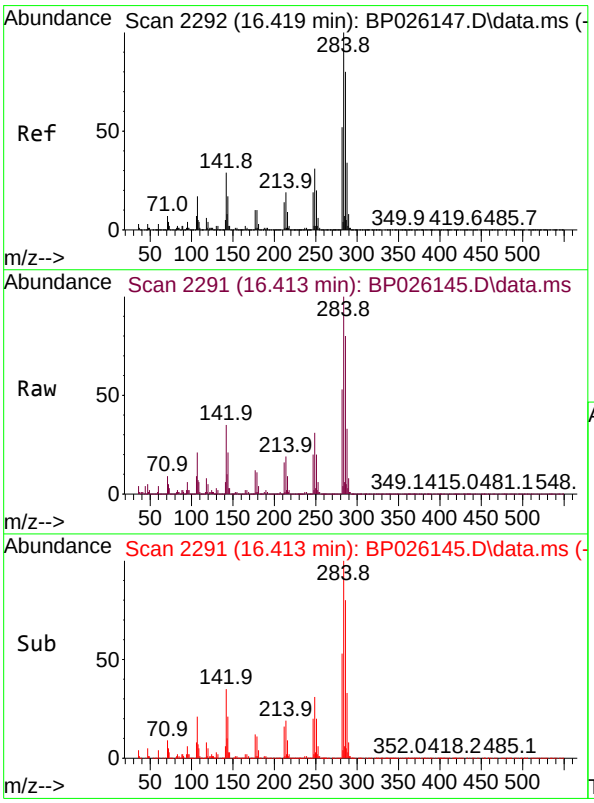
#67
4-Bromophenyl-phenylether
Concen: 9.873 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 142168

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.8	116.6
141	66.2	55.4	83.0

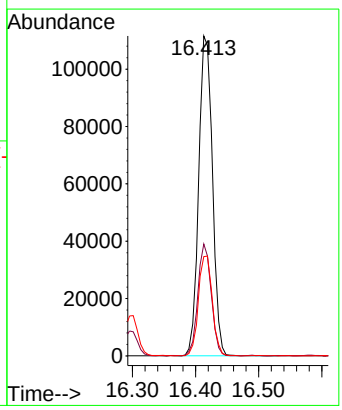


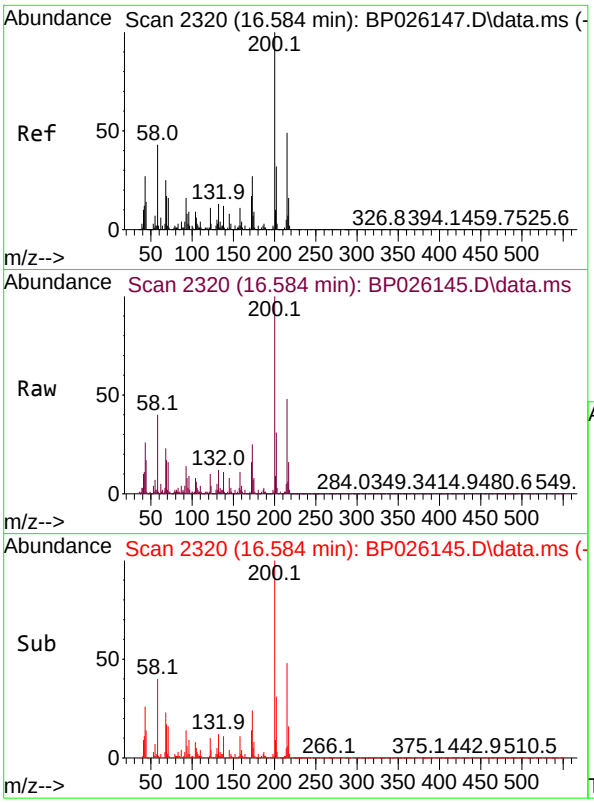


#68
Hexachlorobenzene
Concen: 10.292 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:284 Resp: 168597

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	31.0	25.0	37.4



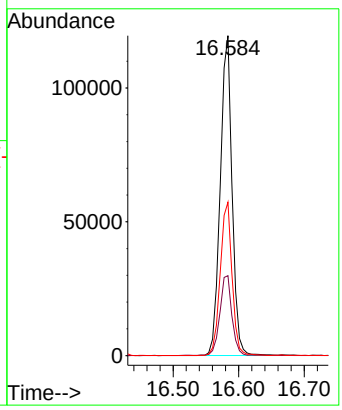


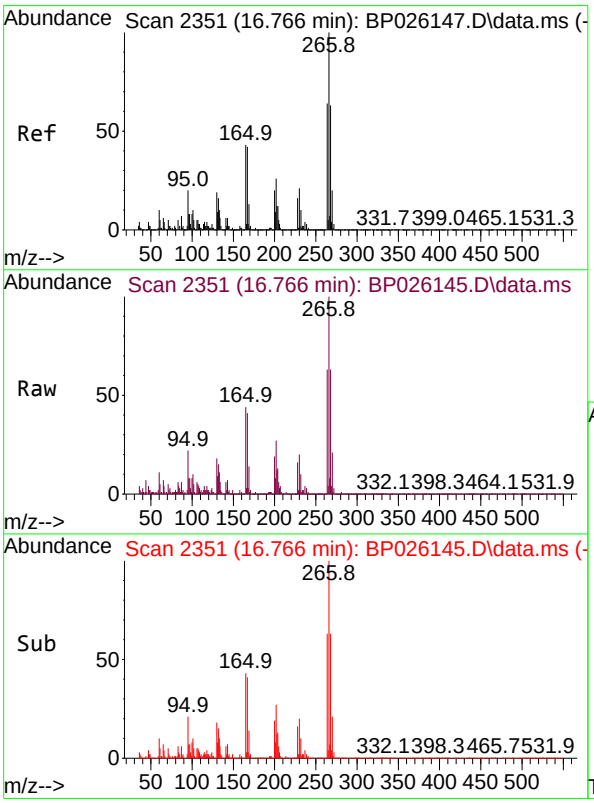
#69
Atrazine
Concen: 10.842 ng
RT: 16.584 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 150203

Ion	Ratio	Lower	Upper
200	100		
173	25.0	6.7	46.7
215	47.9	27.4	67.4

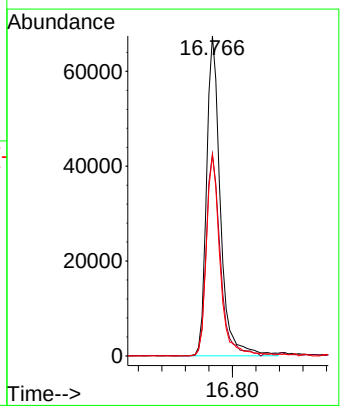


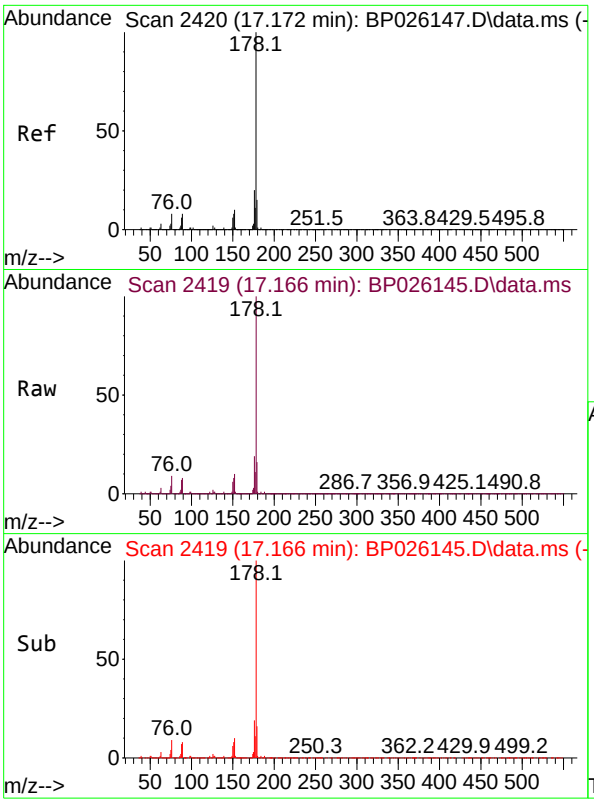


#70
Pentachlorophenol
Concen: 10.777 ng
RT: 16.766 min Scan# 2351
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:266 Resp: 109980

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.0	76.4
264	62.8	50.2	75.2



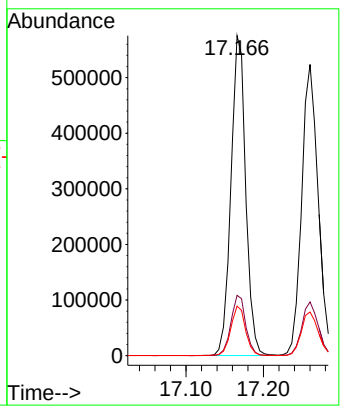


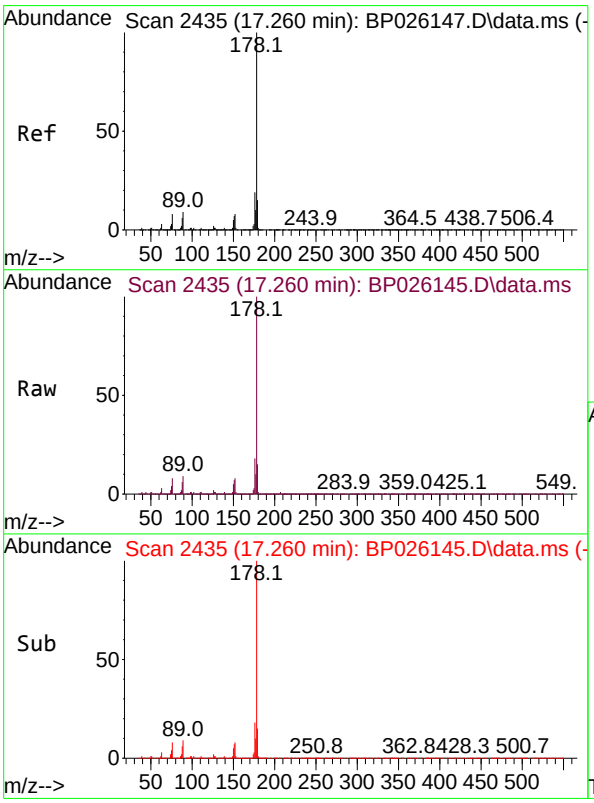
#71
Phenanthrene
Concen: 10.200 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 764343

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.4	18.6

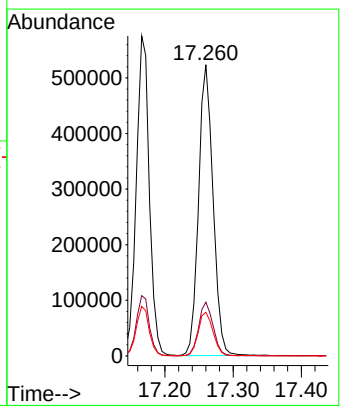


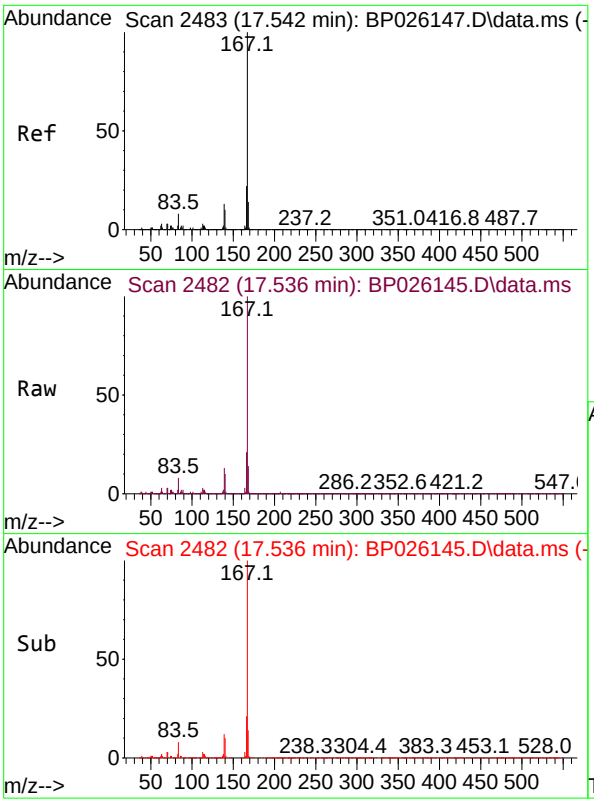


#72
Anthracene
Concen: 10.360 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:178 Resp: 774553

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.0	12.2	18.4



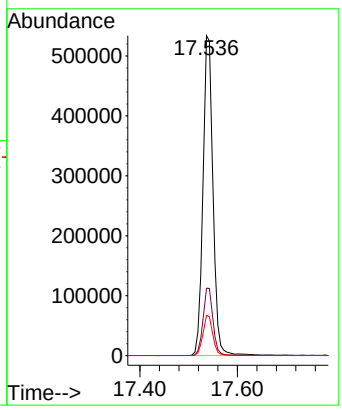


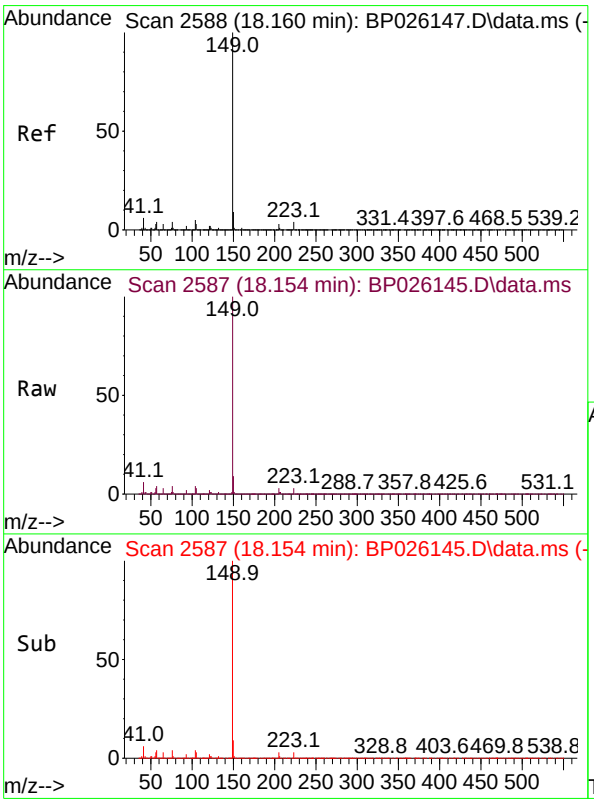
#73
Carbazole
Concen: 10.854 ng
RT: 17.536 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 763690

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	12.6	10.2	15.4

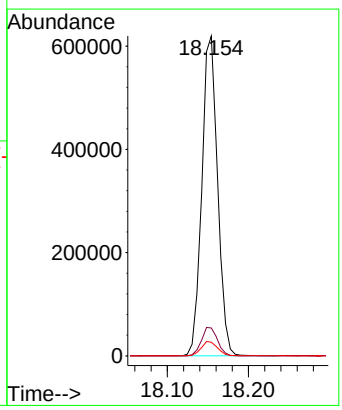


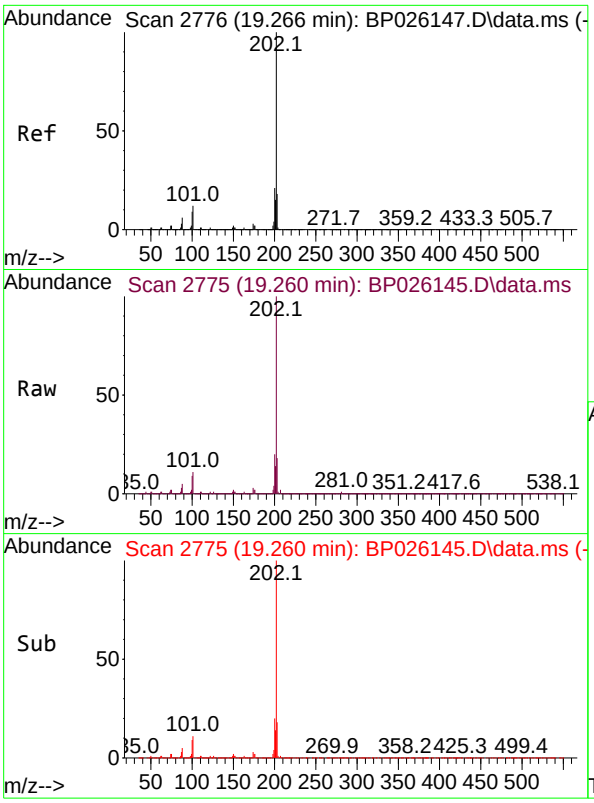


#74
Di-n-butylphthalate
Concen: 10.517 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:149 Resp: 836819

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	4.3	3.6	5.4



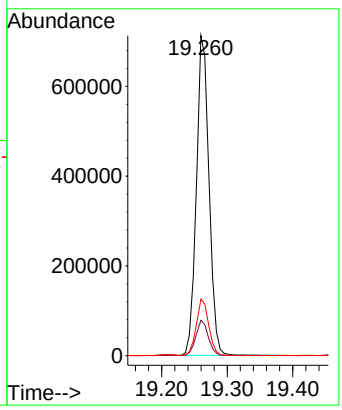


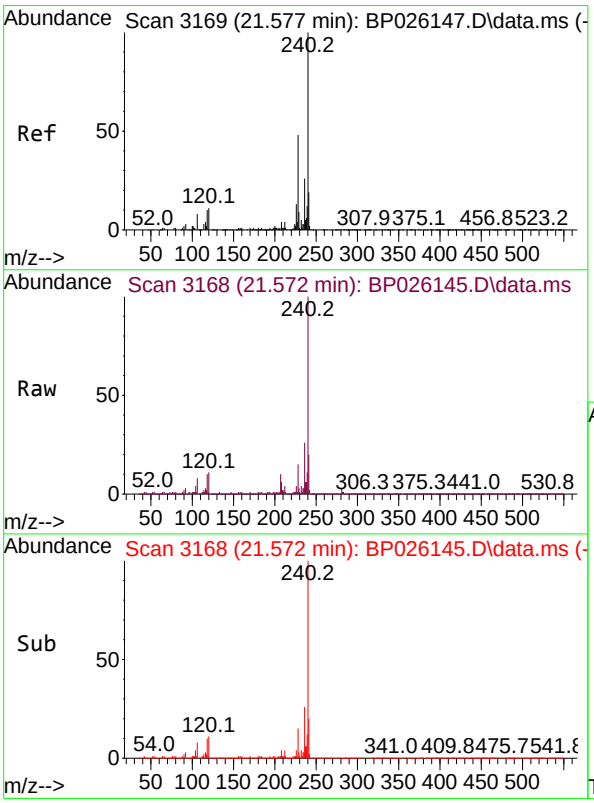
#75
Fluoranthene
Concen: 10.812 ng
RT: 19.260 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 949438

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.2
203	17.6	0.0	37.7

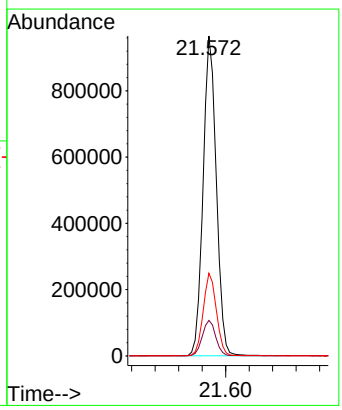


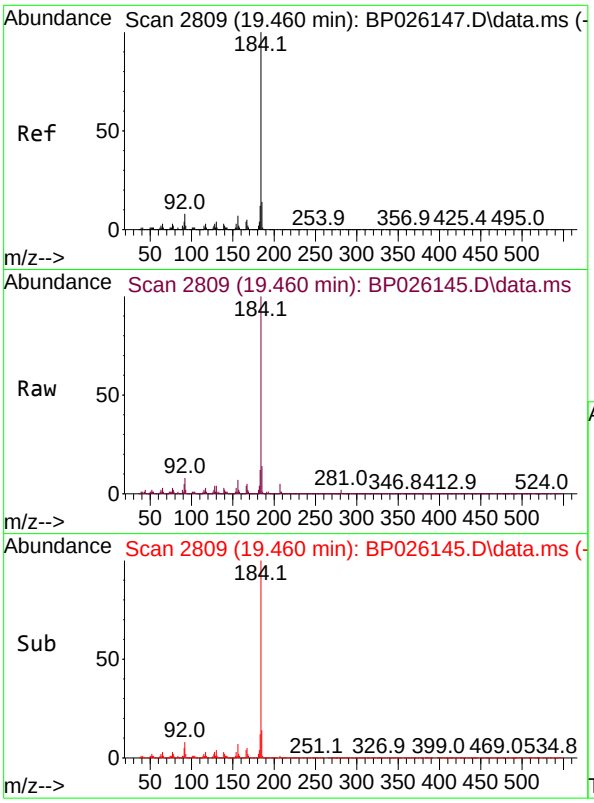


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:240 Resp: 1508224

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.8	20.4	30.6



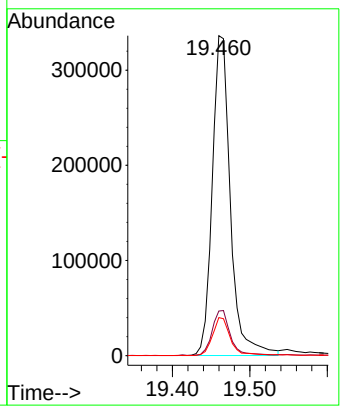


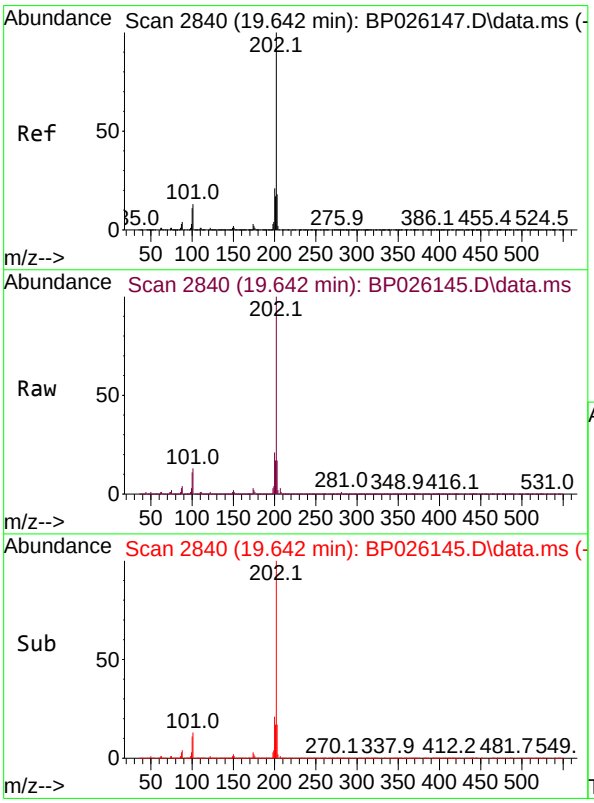
#77
Benzidine
Concen: 13.836 ng
RT: 19.460 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 547975

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.3	16.9
183	11.9	9.0	13.6

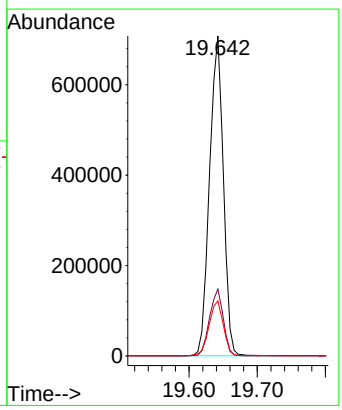


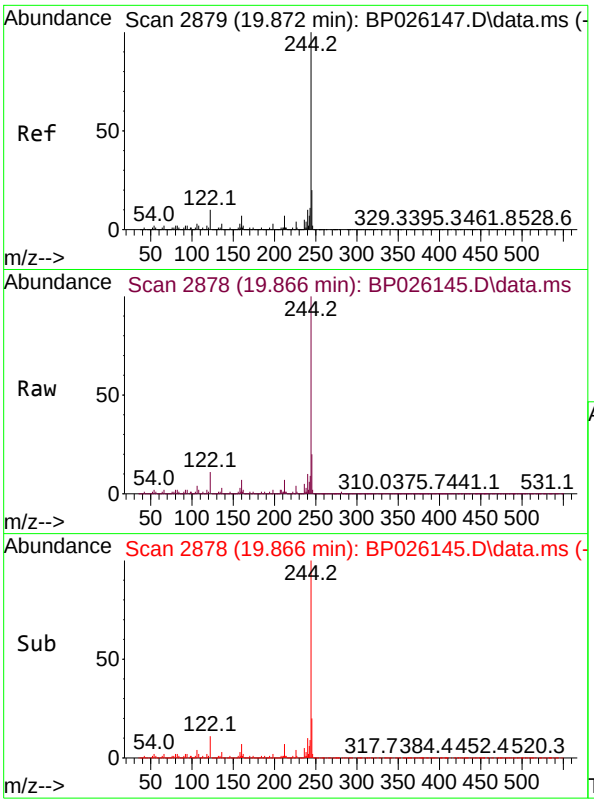


#78
Pyrene
Concen: 9.871 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:202 Resp: 994219

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.2	13.8	20.8



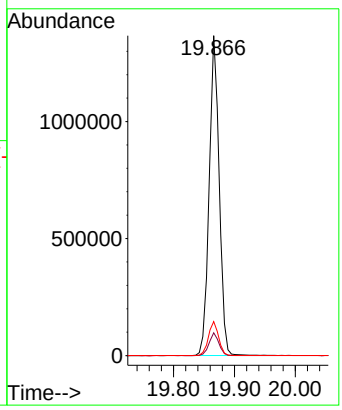


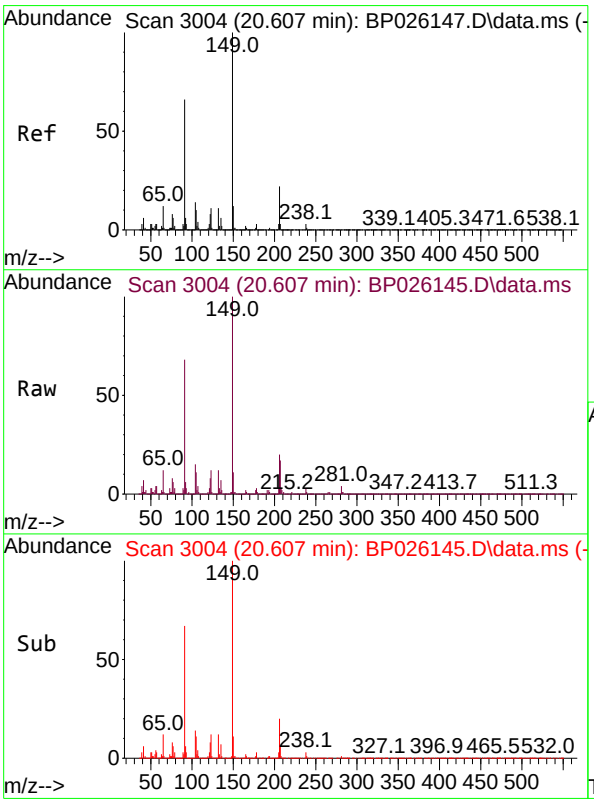
#79
Terphenyl-d14
Concen: 21.144 ng
RT: 19.866 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1563806

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.6	8.2	12.2

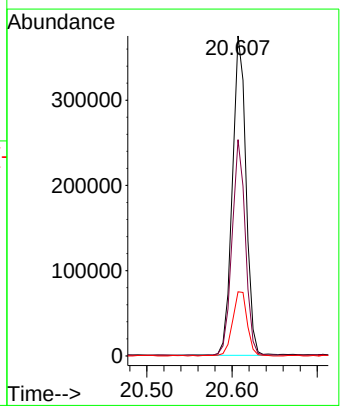


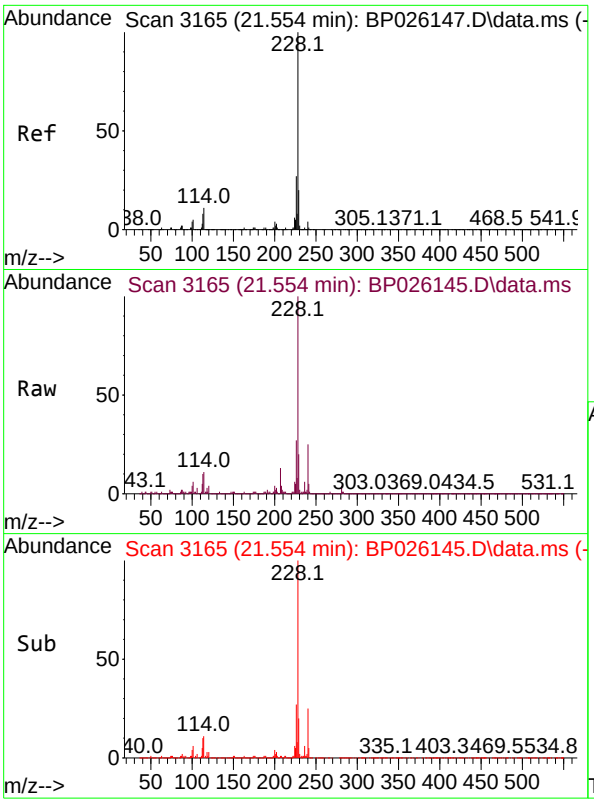


#80
Butylbenzylphthalate
Concen: 12.328 ng
RT: 20.607 min Scan# 3004
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:149 Resp: 416294

Ion	Ratio	Lower	Upper
149	100		
91	67.6	52.6	79.0
206	20.0	16.9	25.3



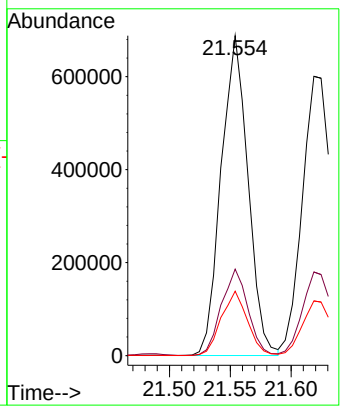


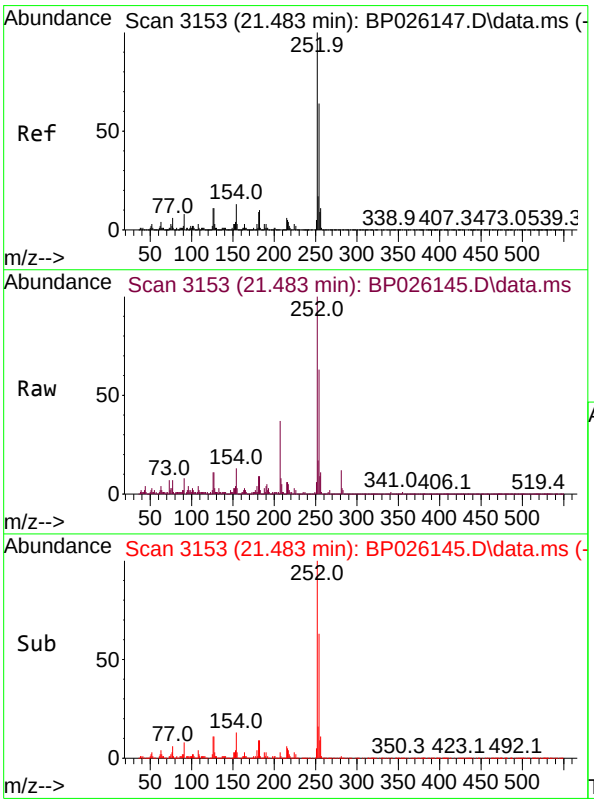
#81
Benzo(a)anthracene
Concen: 10.258 ng
RT: 21.554 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1056422

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	20.1	15.9	23.9

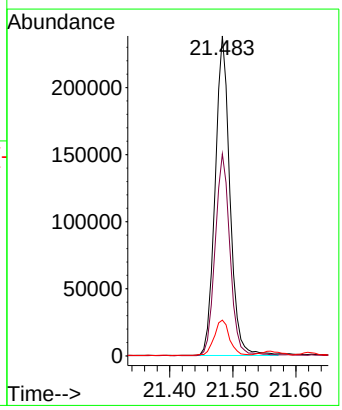


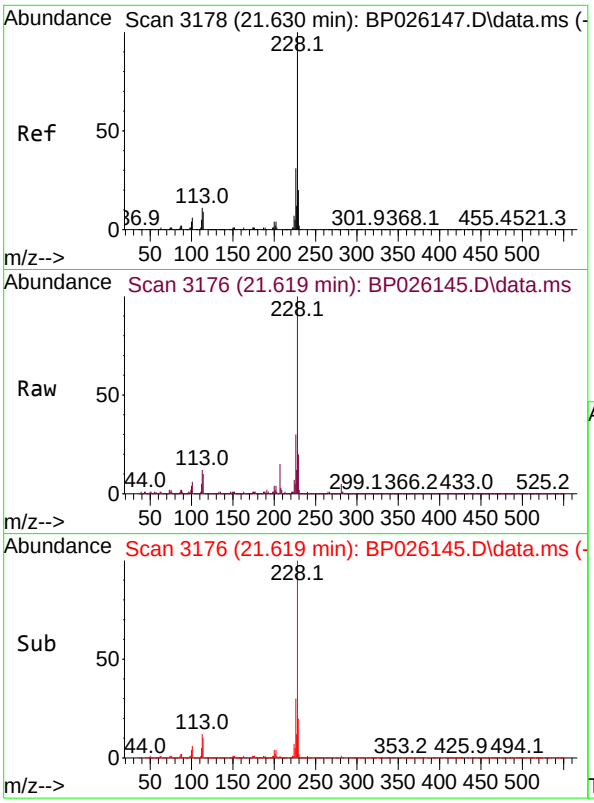


#82
3,3'-Dichlorobenzidine
Concen: 11.403 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:252 Resp: 386780

Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.2	76.8
126	11.2	8.2	12.4



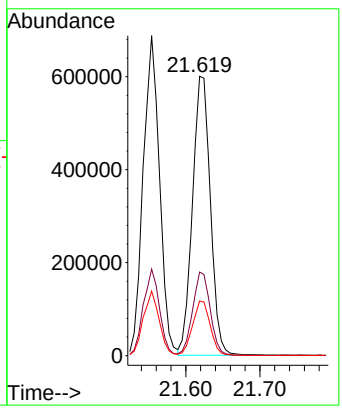


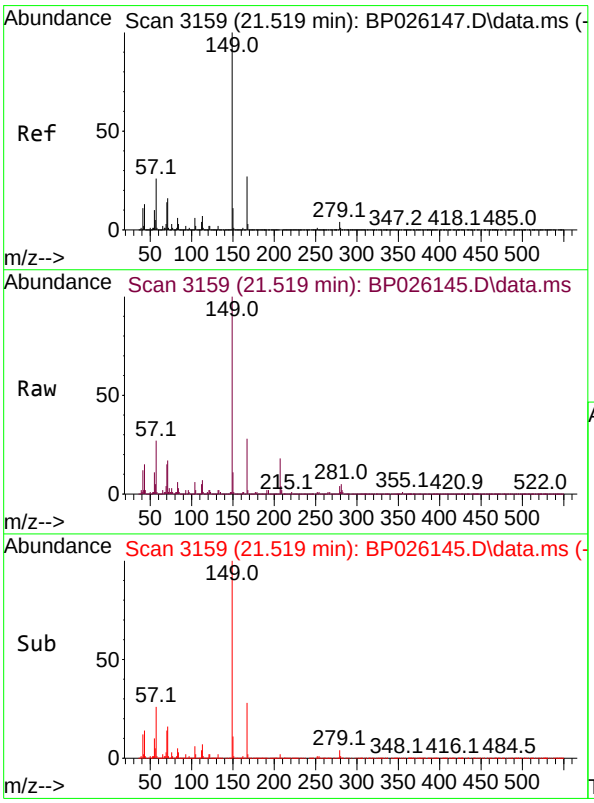
#83
Chrysene
Concen: 10.321 ng
RT: 21.619 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1007569

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.6	15.9	23.9

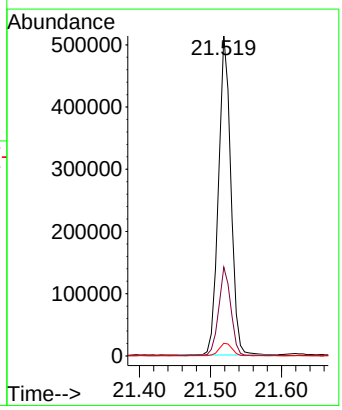


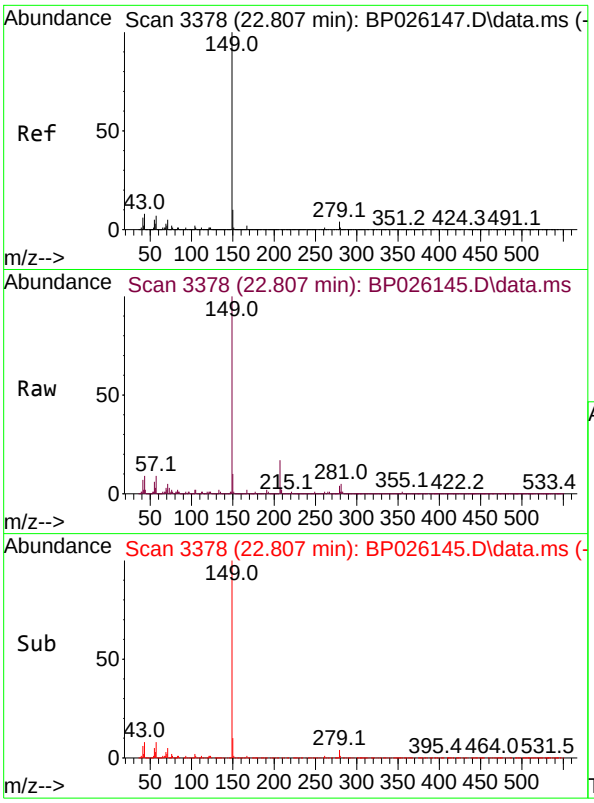


#84
Bis(2-ethylhexyl)phthalate
Concen: 11.273 ng
RT: 21.519 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:149 Resp: 622482

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.0	3.3	4.9



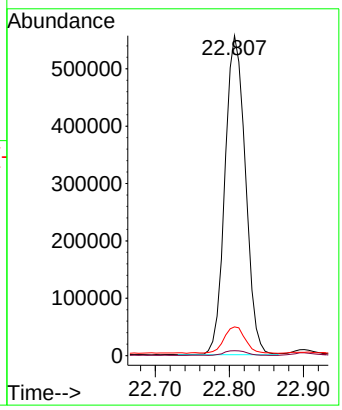


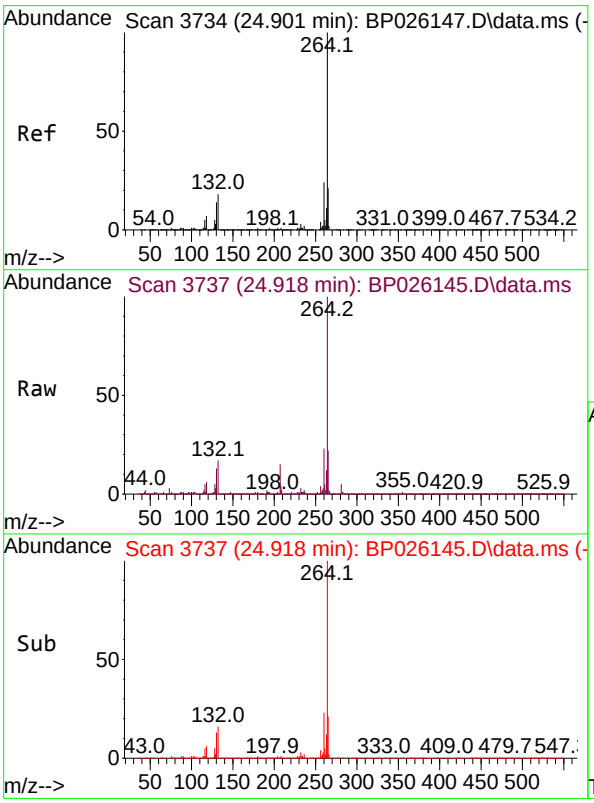
#85
Di-n-octyl phthalate
Concen: 11.335 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 1066561

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.5	6.6	10.0

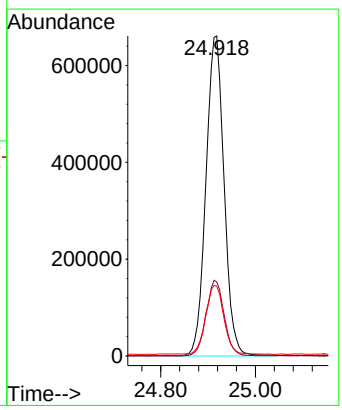


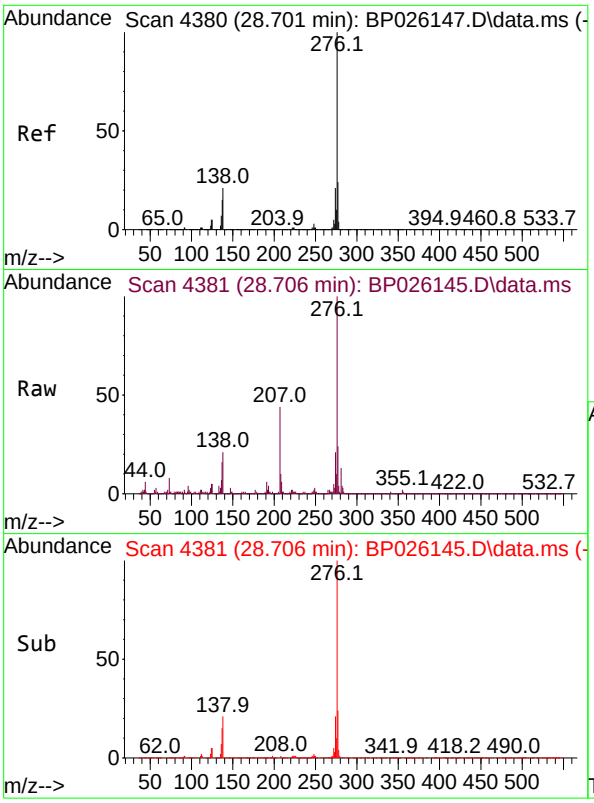


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:264 Resp: 1757840

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.8	17.5	26.3



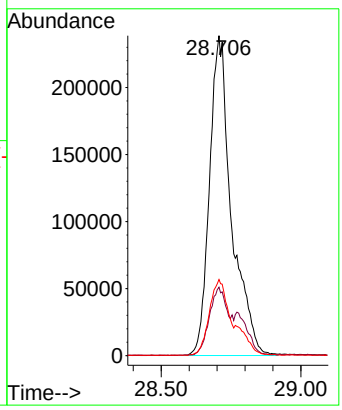


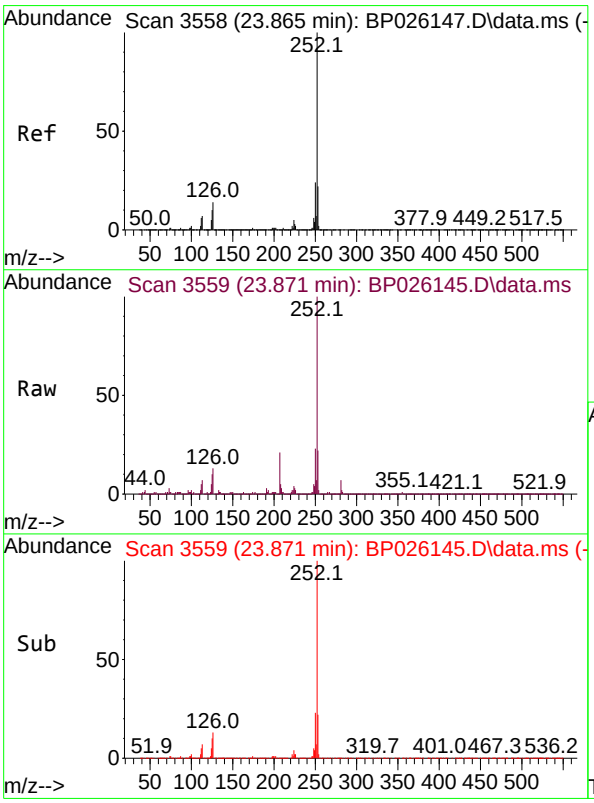
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.110 ng
RT: 28.706 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 1303884

Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.8	20.8
277	19.9	16.7	25.1

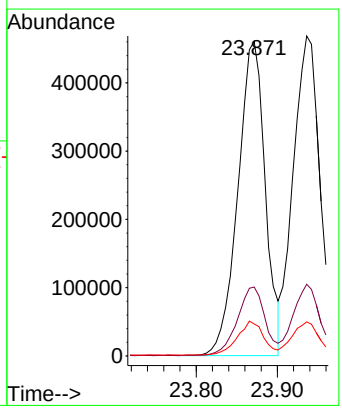


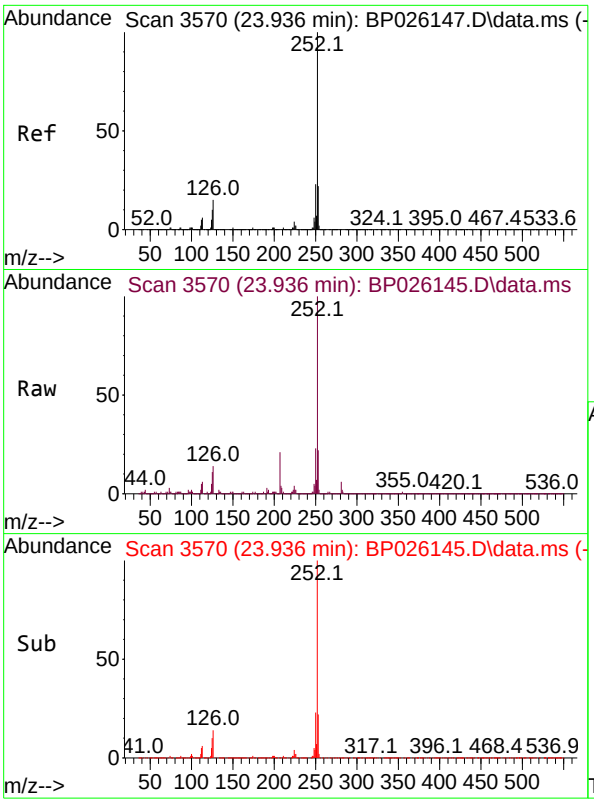


#88
Benzo(b)fluoranthene
Concen: 9.993 ng
RT: 23.871 min Scan# 3559
Delta R.T. 0.006 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:252 Resp: 1077584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.1	8.2	12.4



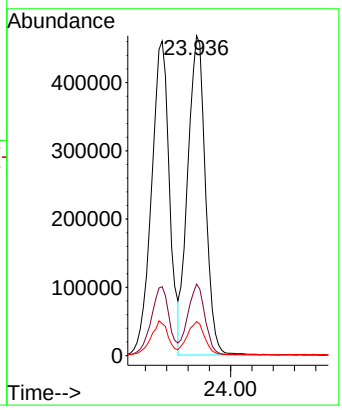


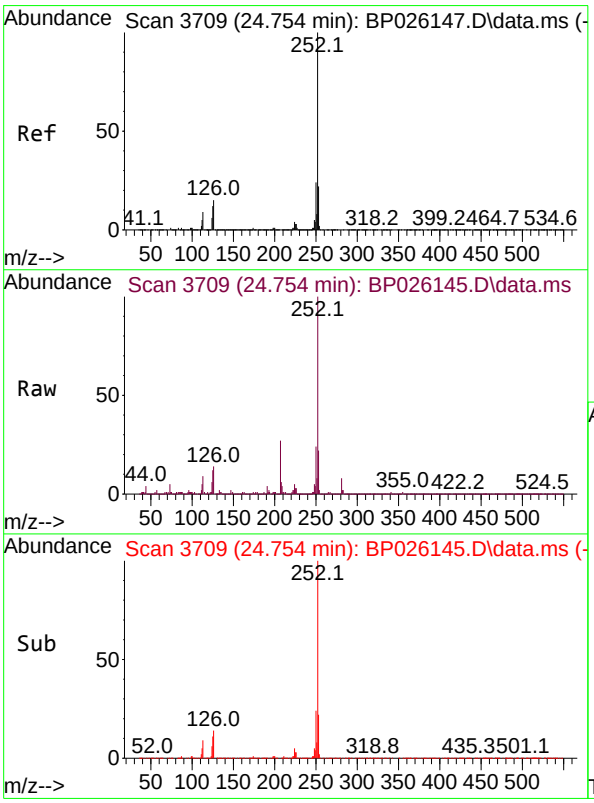
#89
Benzo(k)fluoranthene
Concen: 9.789 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 1079191

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.6	7.5	11.3

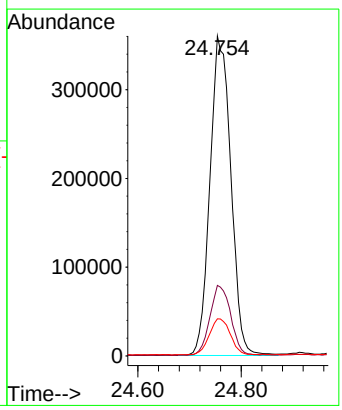


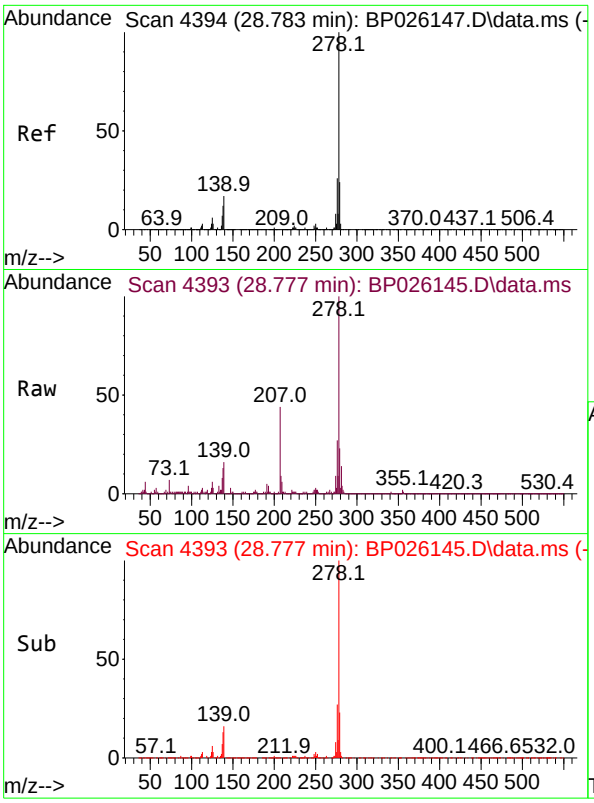


#90
Benzo(a)pyrene
Concen: 10.165 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.000 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:252 Resp: 1013571

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.6	9.0	13.6



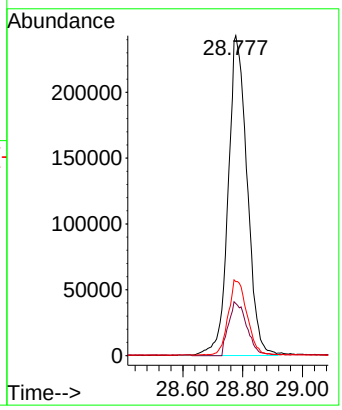


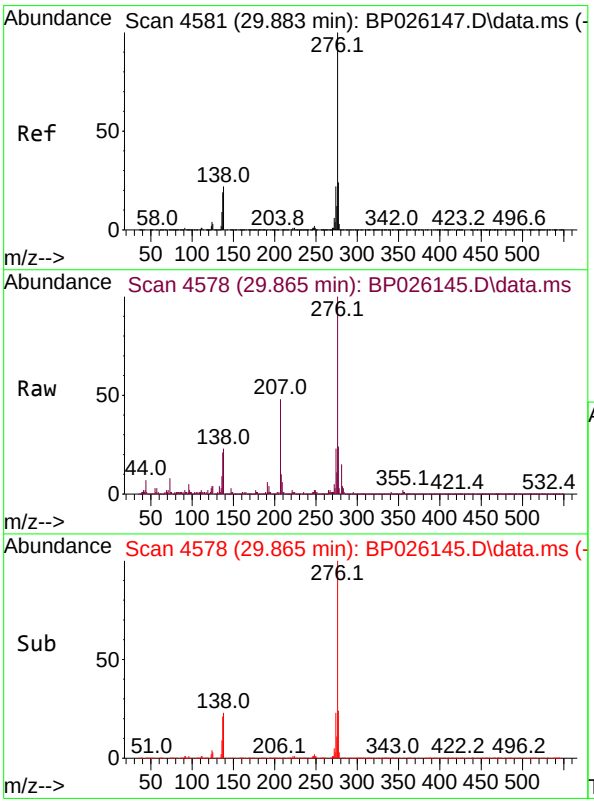
#91
Dibenzo(a,h)anthracene
Concen: 10.197 ng
RT: 28.777 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 1072192

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.2	19.8
279	23.1	19.2	28.8

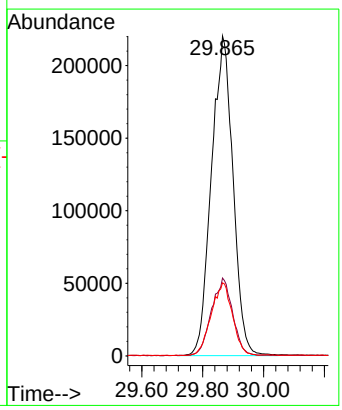




#92
Benzo(g,h,i)perylene
Concen: 10.641 ng
RT: 29.865 min Scan# 4578
Delta R.T. -0.017 min
Lab File: BP026145.D
Acq: 18 Nov 2025 15:54

Tgt Ion:276 Resp: 1080830

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	22.8	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026146.D
Acq On : 18 Nov 2025 16:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 00:40:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	298291	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1240005	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	810030	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1709036	20.000	ng	0.00
76) Chrysene-d12	21.589	240	1880769	20.000	ng	0.02
86) Perylene-d12	24.924	264	2127701	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	762064	42.149	ng	0.00
7) Phenol-d6	6.849	99	967986	42.206	ng	0.00
23) Nitrobenzene-d5	8.813	82	898109	44.814	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	442990	49.922	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	2354273	41.935	ng	0.00
79) Terphenyl-d14	19.878	244	3990615	43.268	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.225	88	156200	20.591	ng	99
3) Pyridine	3.620	79	450325	20.880	ng	99
4) n-Nitrosodimethylamine	3.525	42	167064	19.544	ng	95
6) Aniline	7.002	93	642407	21.012	ng	99
8) 2-Chlorophenol	7.243	128	428984	21.417	ng	98
9) Benzaldehyde	6.819	77	268085	23.205	ng	97
10) Phenol	6.872	94	524201	20.669	ng	98
11) bis(2-Chloroethyl)ether	7.102	93	408052	20.320	ng	99
12) 1,3-Dichlorobenzene	7.561	146	468385	20.475	ng	100
13) 1,4-Dichlorobenzene	7.708	146	473917	20.465	ng	99
14) 1,2-Dichlorobenzene	8.019	146	453824	20.519	ng	100
15) Benzyl Alcohol	7.902	79	352314	21.241	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.196	45	585097	19.455	ng	99
17) 2-Methylphenol	8.108	107	355321	21.308	ng	99
18) Hexachloroethane	8.749	117	169683	21.211	ng	99
19) n-Nitroso-di-n-propyla...	8.472	70	317044	22.304	ng	99
20) 3+4-Methylphenols	8.437	107	494113	21.323	ng	99
22) Acetophenone	8.484	105	656986	21.014	ng	100
24) Nitrobenzene	8.849	77	456901	21.768	ng	99
25) Isophorone	9.384	82	912115	21.502	ng	99
26) 2-Nitrophenol	9.560	139	225396	31.463	ng	99
27) 2,4-Dimethylphenol	9.619	122	418475	23.115	ng	99
28) bis(2-Chloroethoxy)met...	9.860	93	563383	21.042	ng	100
29) 2,4-Dichlorophenol	10.096	162	415150	21.974	ng	99
30) 1,2,4-Trichlorobenzene	10.302	180	417562	20.380	ng	96
31) Naphthalene	10.496	128	1383127	20.547	ng	100
32) Benzoic acid	9.737	122	332008	30.418	ng	98
33) 4-Chloroaniline	10.590	127	594215	22.720	ng	99
34) Hexachlorobutadiene	10.796	225	271388	20.697	ng	99
35) Caprolactam	11.366	113	152491	23.091	ng	98
36) 4-Chloro-3-methylphenol	11.731	107	453497	22.951	ng	99
37) 2-Methylnaphthalene	12.113	142	997491	21.193	ng	99
38) 1-Methylnaphthalene	12.331	142	973734	21.279	ng	99
40) 1,2,4,5-Tetrachloroben...	12.490	216	496403	19.803	ng	100
41) Hexachlorocyclopentadiene	12.472	237	309362	29.677	ng	98
43) 2,4,6-Trichlorophenol	12.725	196	349396	23.301	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026146.D
Acq On : 18 Nov 2025 16:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:40:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	390063	22.897	ng	99
46) 1,1'-Biphenyl	13.137	154	1280167	20.733	ng	99
47) 2-Chloronaphthalene	13.178	162	985563	20.303	ng	99
48) 2-Nitroaniline	13.372	65	279508	25.032	ng	96
49) Acenaphthylene	14.031	152	1661599	23.158	ng	100
50) Dimethylphthalate	13.772	163	1274006	21.720	ng	99
51) 2,6-Dinitrotoluene	13.884	165	251271	25.482	ng	98
52) Acenaphthene	14.384	154	955446	19.901	ng	100
53) 3-Nitroaniline	14.213	138	297736	24.958	ng	99
54) 2,4-Dinitrophenol	14.431	184	141102	31.181	ng	96
55) Dibenzofuran	14.719	168	1523244	20.834	ng	99
56) 4-Nitrophenol	14.537	139	268085	22.578	ng	99
57) 2,4-Dinitrotoluene	14.678	165	380156	26.418	ng	97
58) Fluorene	15.384	166	1215204	21.155	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	331539	24.574	ng	99
60) Diethylphthalate	15.166	149	1289507	21.853	ng	100
61) 4-Chlorophenyl-phenyle...	15.384	204	600360	20.967	ng	97
62) 4-Nitroaniline	15.390	138	319109	25.224	ng	100
63) Azobenzene	15.684	77	1089967	20.545	ng	98
65) 4,6-Dinitro-2-methylph...	15.460	198	209402	28.706	ng	94
66) n-Nitrosodiphenylamine	15.601	169	1094982	20.565	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	381732	20.120	ng	99
68) Hexachlorobenzene	16.419	284	443742	20.559	ng	97
69) Atrazine	16.589	200	422452	23.144	ng	98
70) Pentachlorophenol	16.772	266	306483	22.793	ng	99
71) Phenanthrene	17.178	178	2014344	20.401	ng	100
72) Anthracene	17.272	178	2046874	20.778	ng	100
73) Carbazole	17.548	167	1966833	21.216	ng	100
74) Di-n-butylphthalate	18.160	149	2344972	22.368	ng	99
75) Fluoranthene	19.272	202	2482057	21.452	ng	99
77) Benzidine	19.472	184	1379032	27.923	ng	100
78) Pyrene	19.648	202	2586291	20.591	ng	100
80) Butylbenzylphthalate	20.613	149	1151348	27.342	ng	99
81) Benzo(a)anthracene	21.566	228	2702573	21.043	ng	99
82) 3,3'-Dichlorobenzidine	21.483	252	989512	23.394	ng	98
83) Chrysene	21.636	228	2522765	20.723	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	1726261	25.069	ng	99
85) Di-n-octyl phthalate	22.813	149	2956568	25.198	ng	100
87) Indeno(1,2,3-cd)pyrene	28.706	276	3273296m	20.969	ng	
88) Benzo(b)fluoranthene	23.866	252	2704711	20.722	ng	100
89) Benzo(k)fluoranthene	23.942	252	2712398	20.326	ng	99
90) Benzo(a)pyrene	24.754	252	2549616	21.125	ng	99
91) Dibenzo(a,h)anthracene	28.795	278	2711736	21.306	ng	100
92) Benzo(g,h,i)perylene	29.877	276	2666038m	21.686	ng	

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

ICAL Form

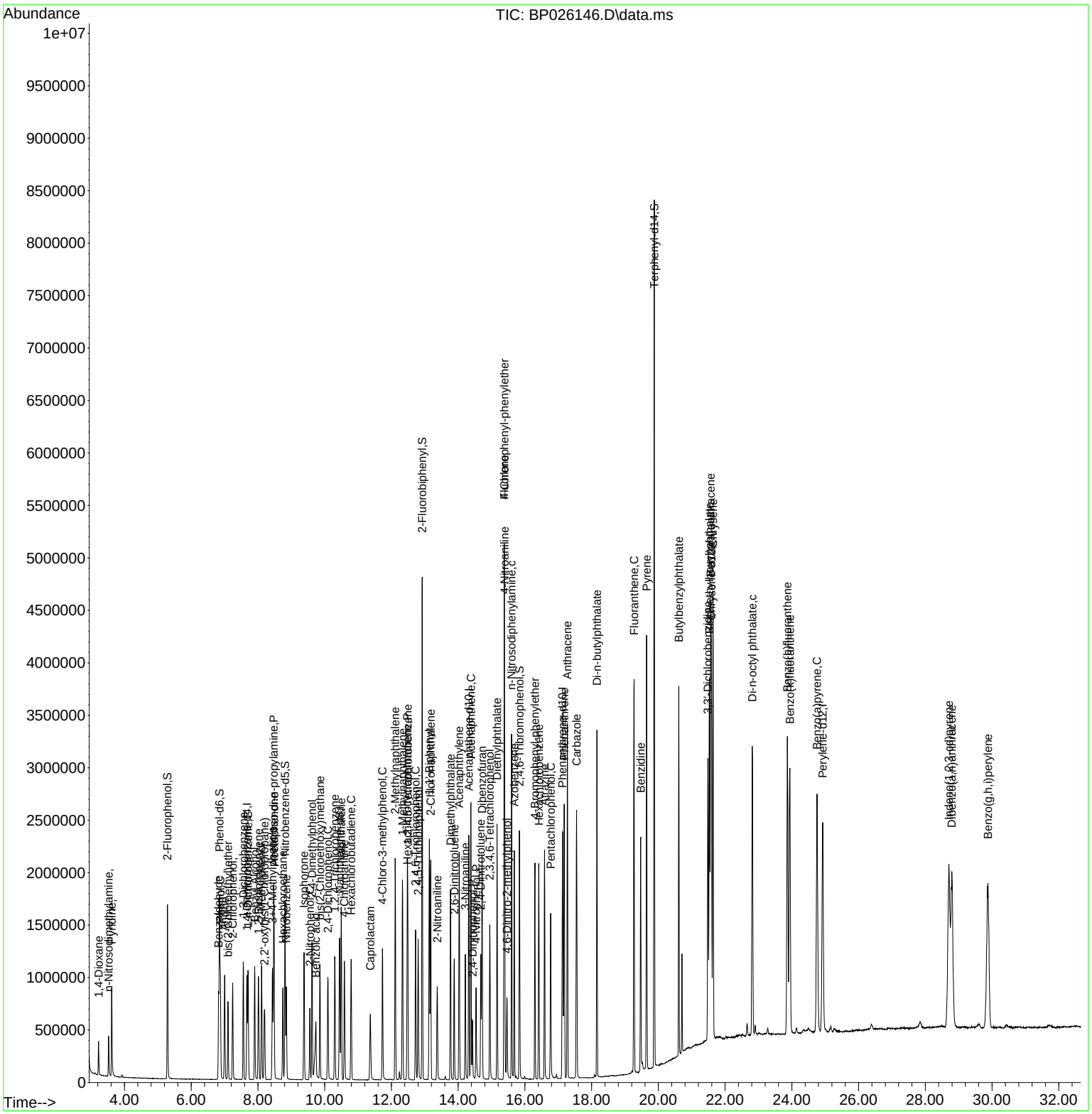
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026146.D
Acq On : 18 Nov 2025 16:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

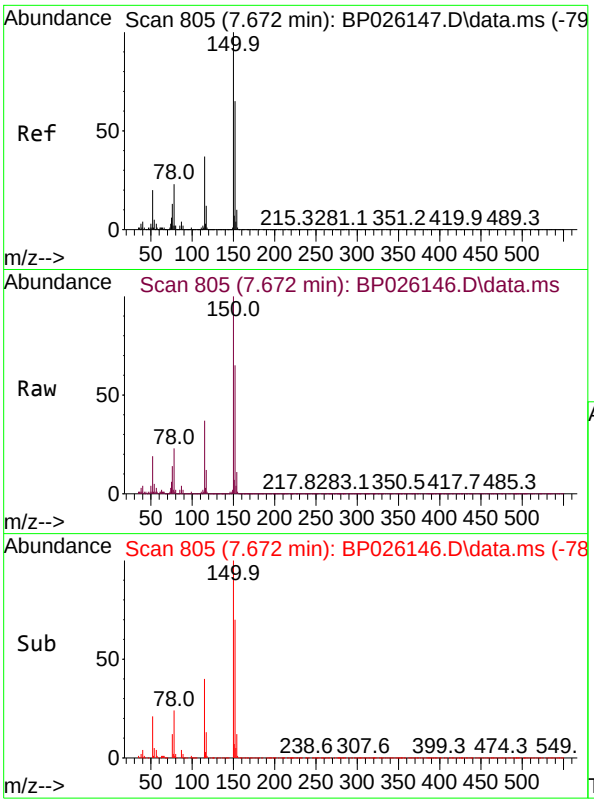
Quant Time: Nov 19 00:40:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

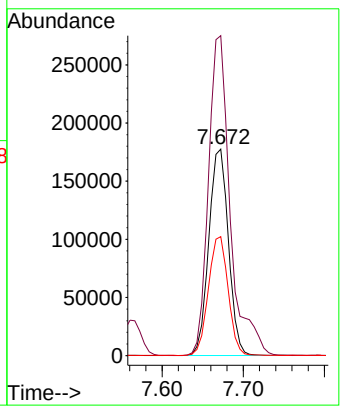




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:152 Resp: 29829

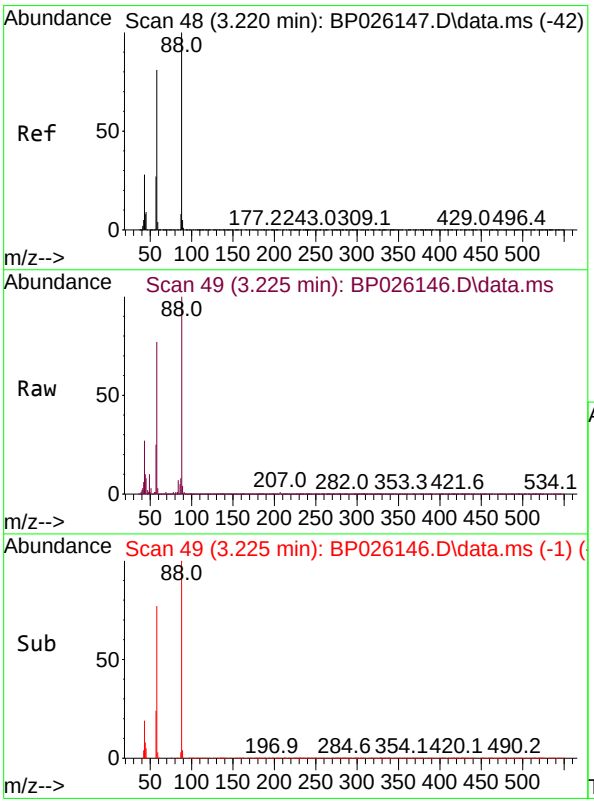
Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.0	184.6
115	57.6	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

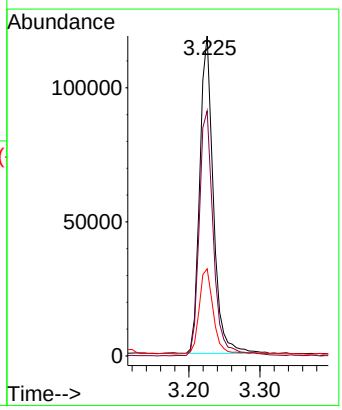
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

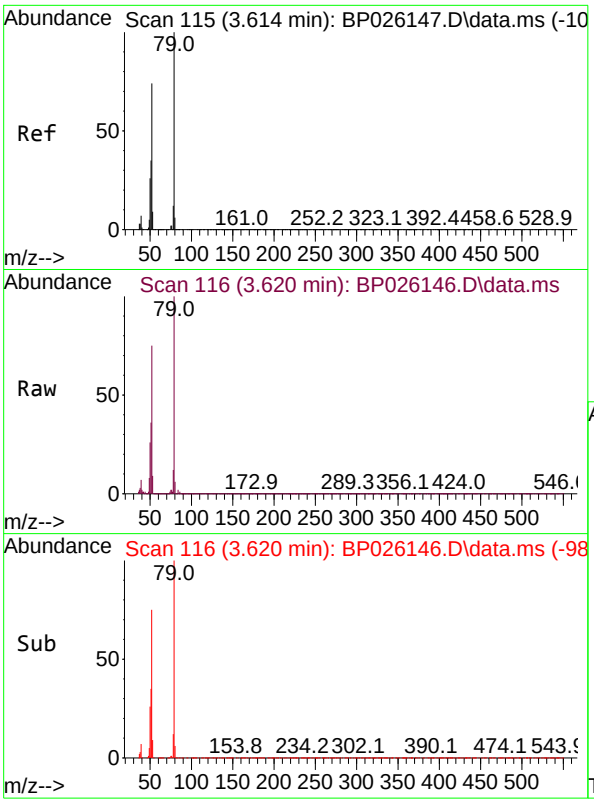


#2
1,4-Dioxane
Concen: 20.591 ng
RT: 3.225 min Scan# 49
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 88 Resp: 156200

Ion	Ratio	Lower	Upper
88	100		
58	81.0	64.2	96.4
43	28.2	21.5	32.3

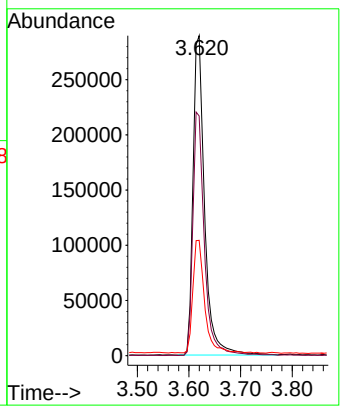




#3
Pyridine
Concen: 20.880 ng
RT: 3.620 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 79 Resp: 45032

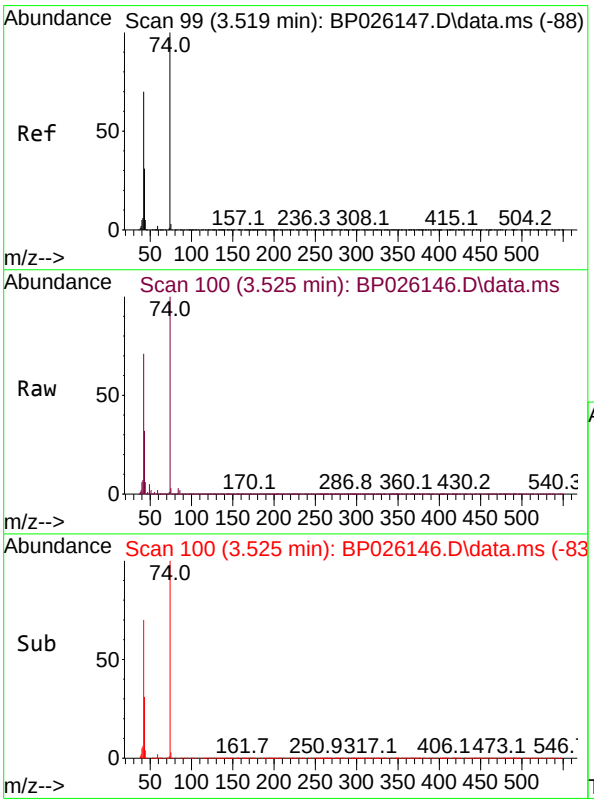
Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.2	90.2
51	36.0	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

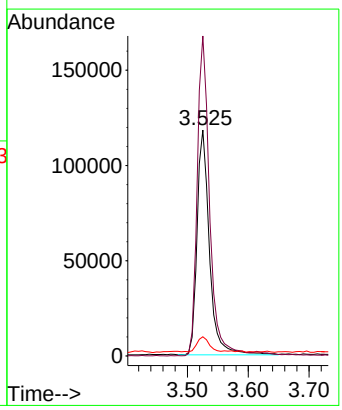
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

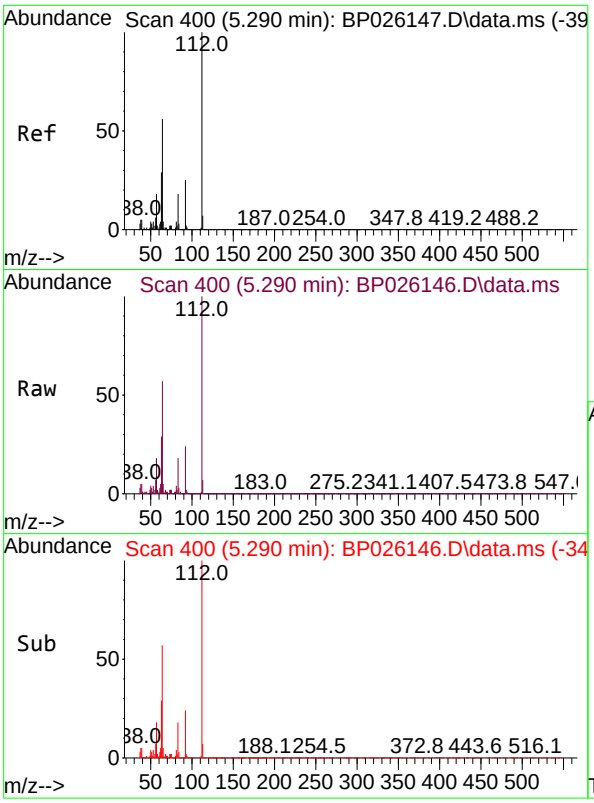


#4
n-Nitrosodimethylamine
Concen: 19.544 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 42 Resp: 167064

Ion	Ratio	Lower	Upper
42	100		
74	141.6	118.1	177.1
44	8.5	6.2	9.4

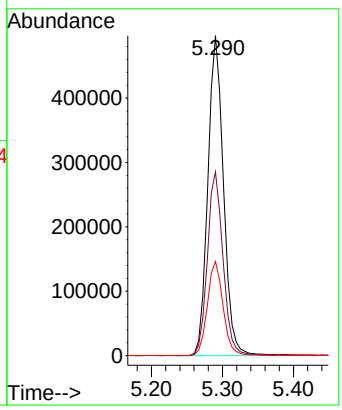




#5
2-Fluorophenol
Concen: 42.149 ng
RT: 5.290 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:112 Resp: 76206

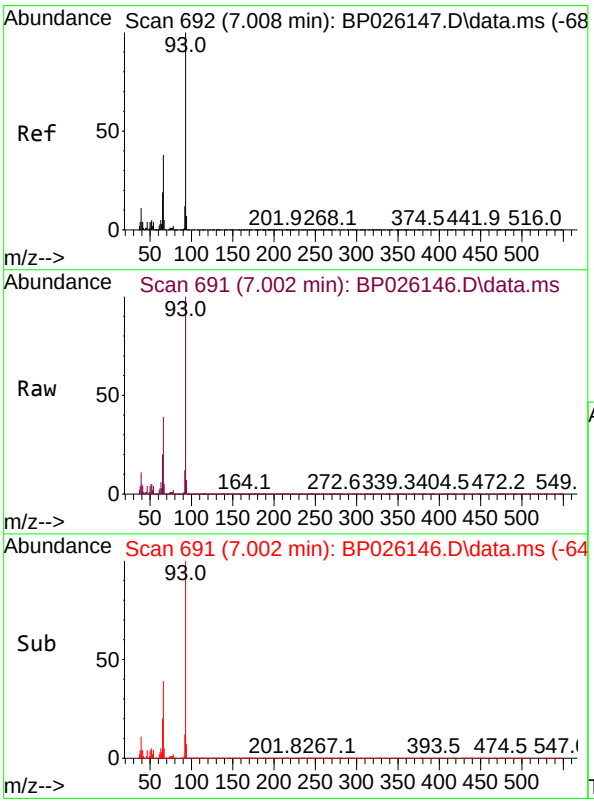
Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.8	68.6
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

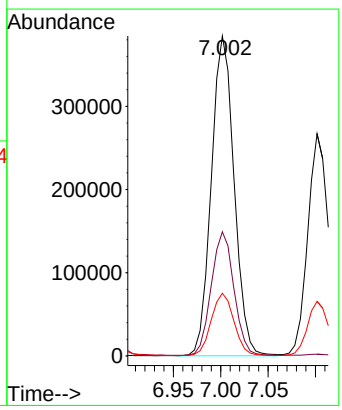
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

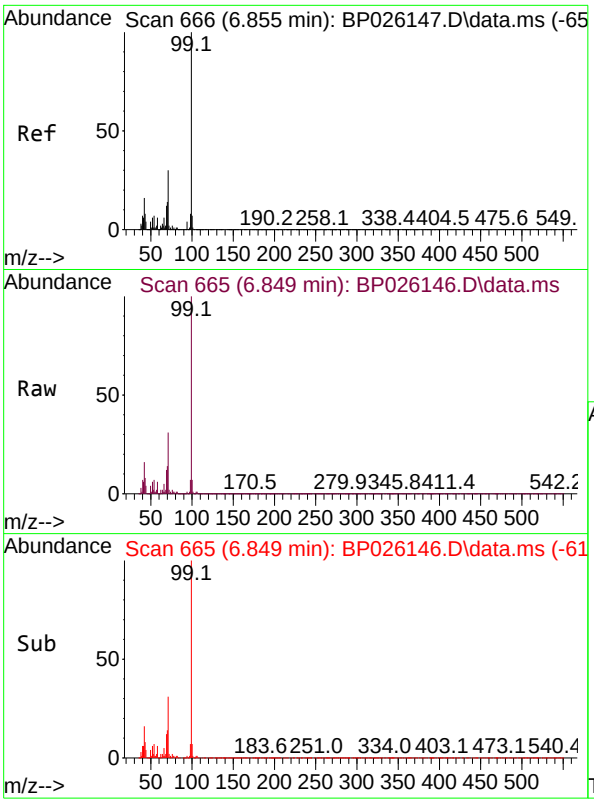


#6
Aniline
Concen: 21.012 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 93 Resp: 642407

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.7	47.5
65	19.6	15.8	23.6

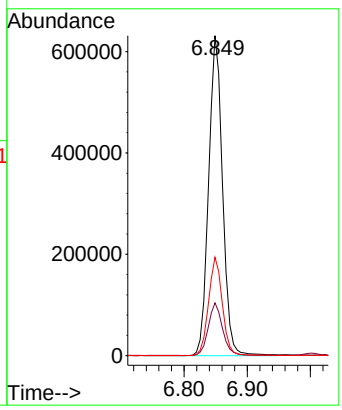




#7
Phenol-d6
Concen: 42.206 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 99 Resp: 96798

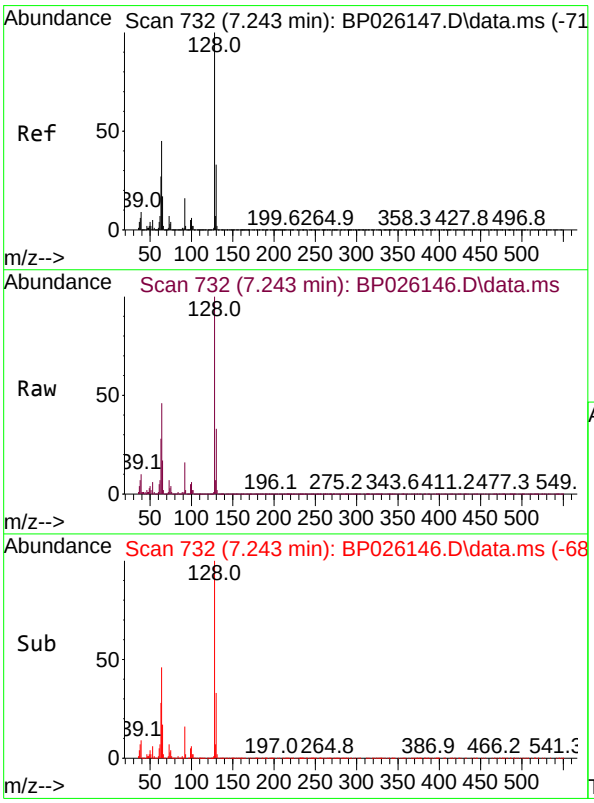
Ion	Ratio	Lower	Upper
99	100		
42	16.5	12.9	19.3
71	30.7	24.8	37.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

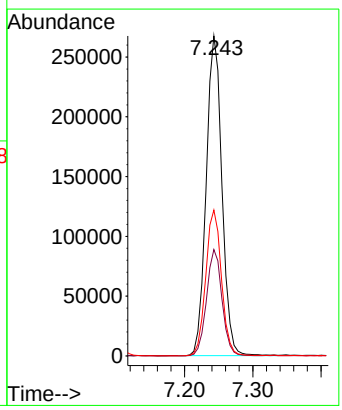
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

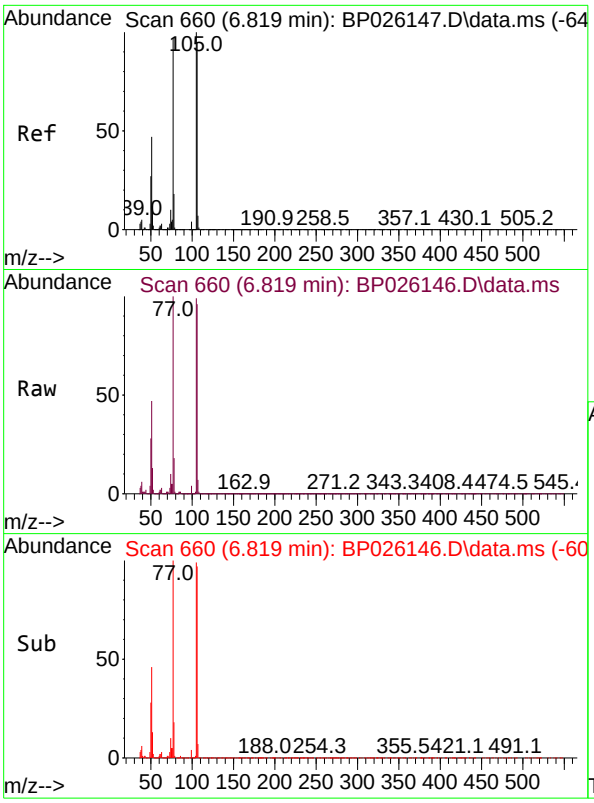


#8
2-Chlorophenol
Concen: 21.417 ng
RT: 7.243 min Scan# 732
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:128 Resp: 428984

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.4	52.4
64	45.6	23.9	63.9

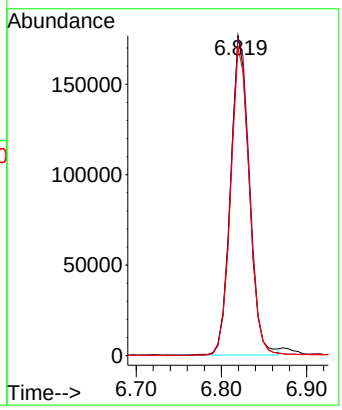




#9
Benzaldehyde
Concen: 23.205 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 77 Resp: 26808

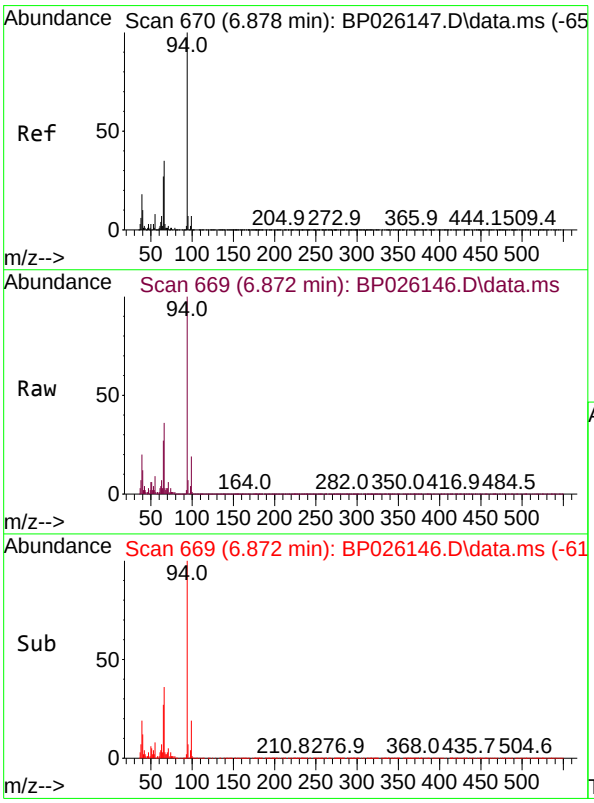
Ion	Ratio	Lower	Upper
77	100		
105	99.3	82.9	122.9
106	96.4	77.8	117.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

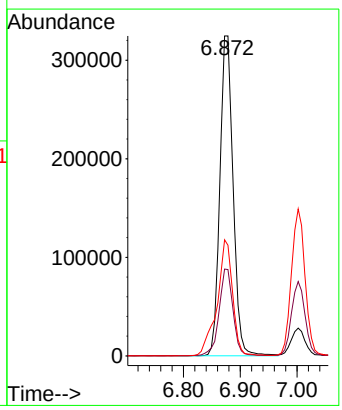
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

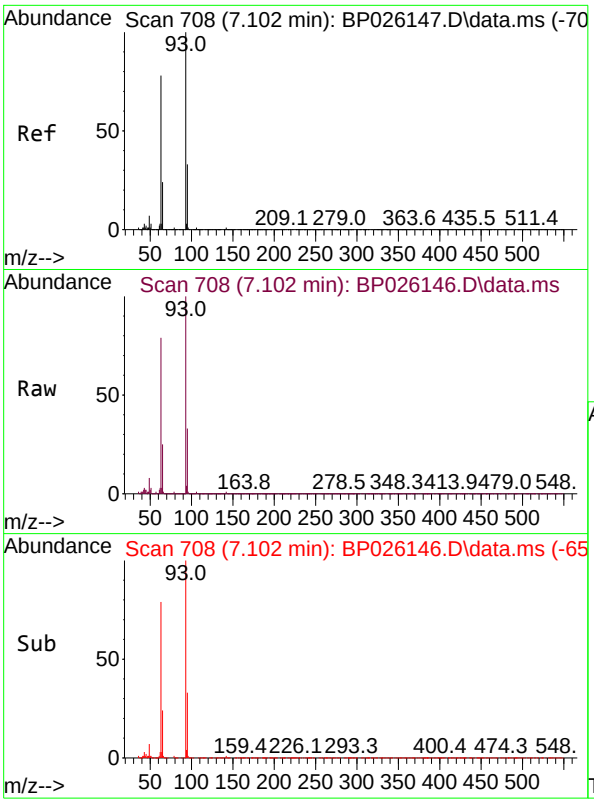


#10
Phenol
Concen: 20.669 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 94 Resp: 524201

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.0	47.0
66	36.3	14.5	54.5

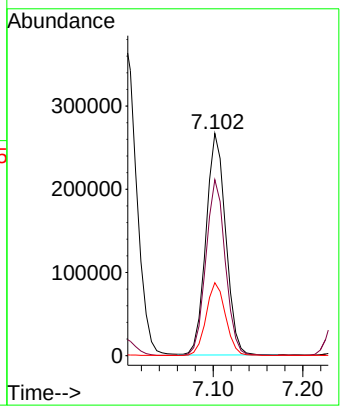




#11
bis(2-Chloroethyl)ether
Concen: 20.320 ng
RT: 7.102 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 93 Resp: 40805

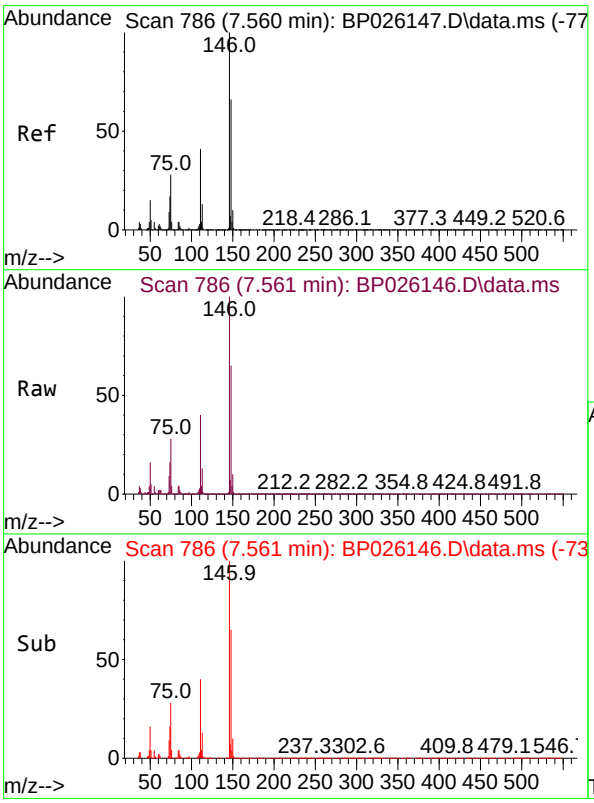
Ion	Ratio	Lower	Upper
93	100		
63	79.2	58.8	98.8
95	32.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

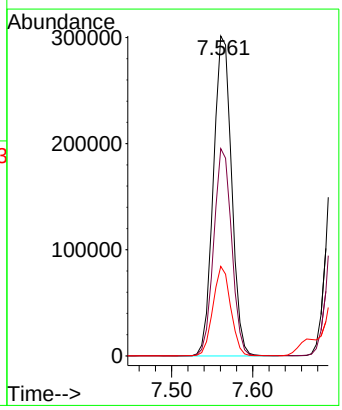
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

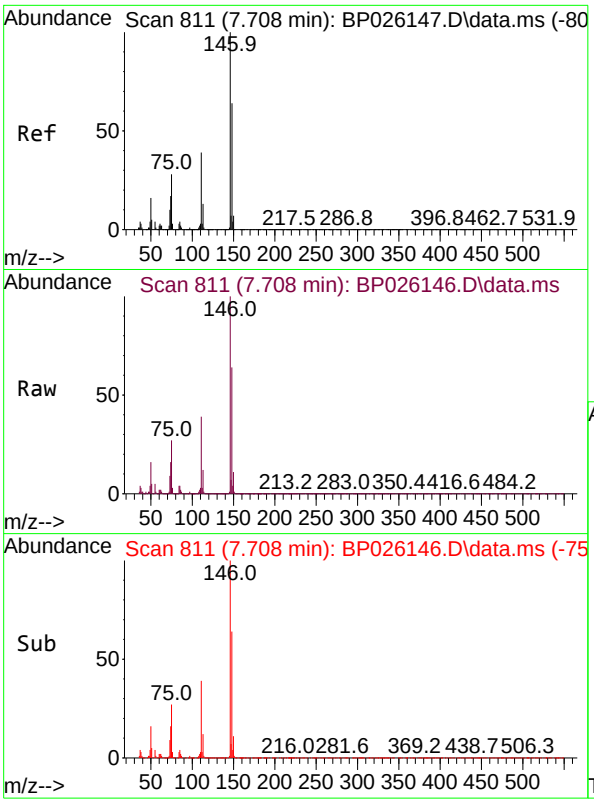


#12
1,3-Dichlorobenzene
Concen: 20.475 ng
RT: 7.561 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:146 Resp: 468385

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	28.0	22.2	33.2

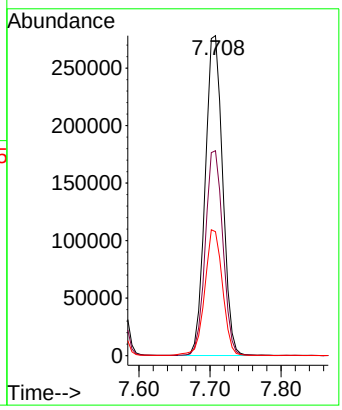




#13
1,4-Dichlorobenzene
Concen: 20.465 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:146 Resp: 47391

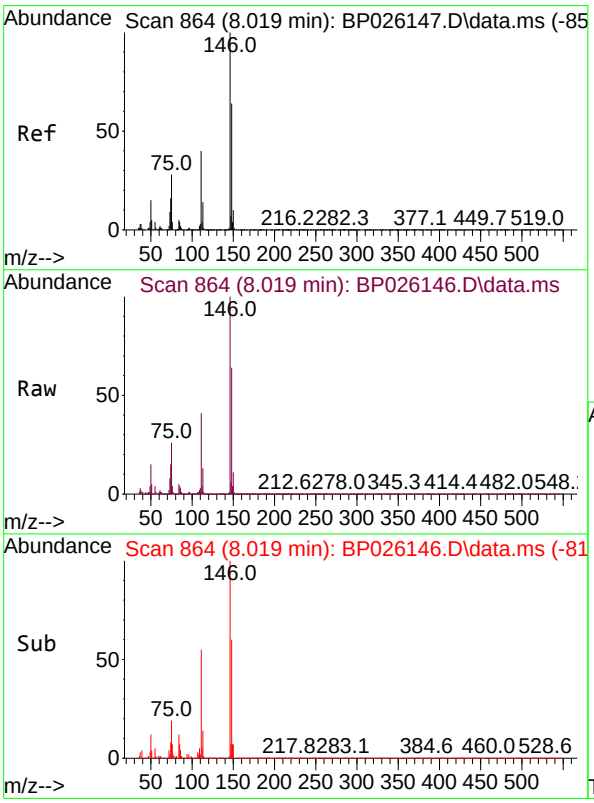
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	38.7	31.7	47.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

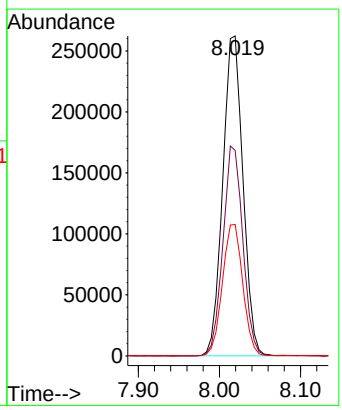
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

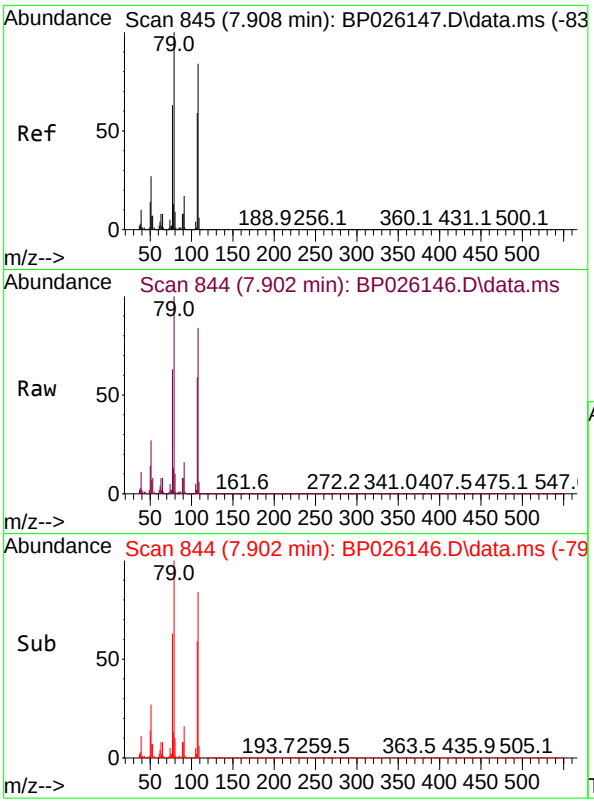


#14
1,2-Dichlorobenzene
Concen: 20.519 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:146 Resp: 453824

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	41.1	33.0	49.4

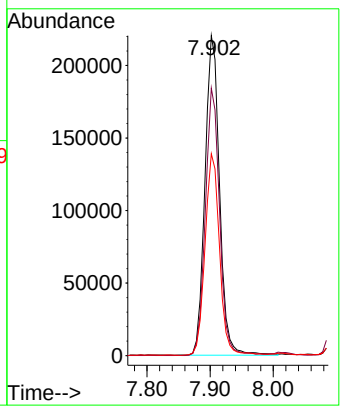




#15
Benzyl Alcohol
Concen: 21.241 ng
RT: 7.902 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 79 Resp: 352314

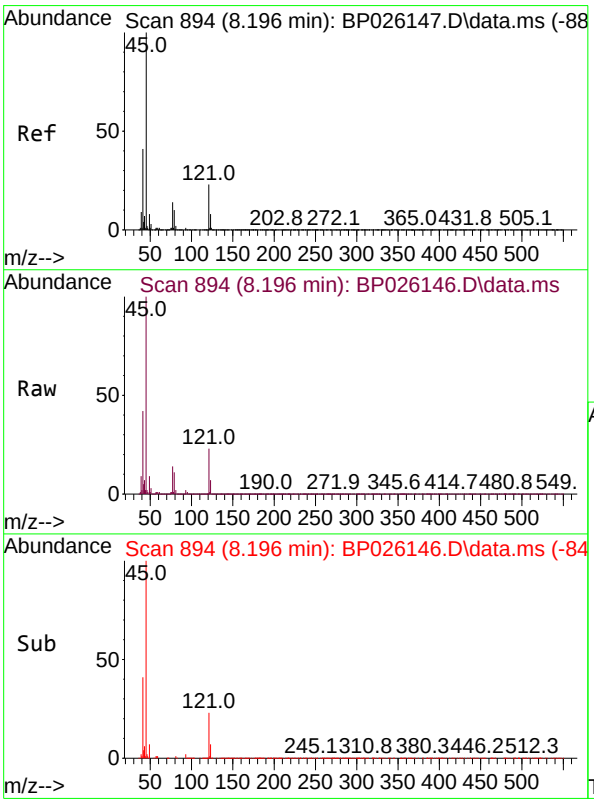
Ion	Ratio	Lower	Upper
79	100		
108	83.6	66.2	99.4
77	63.1	50.0	75.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

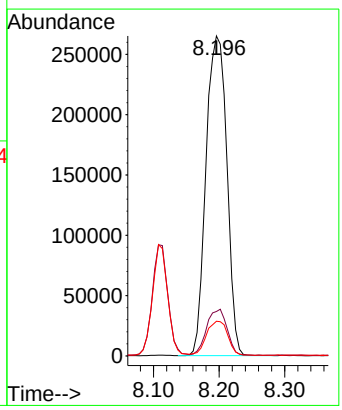
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

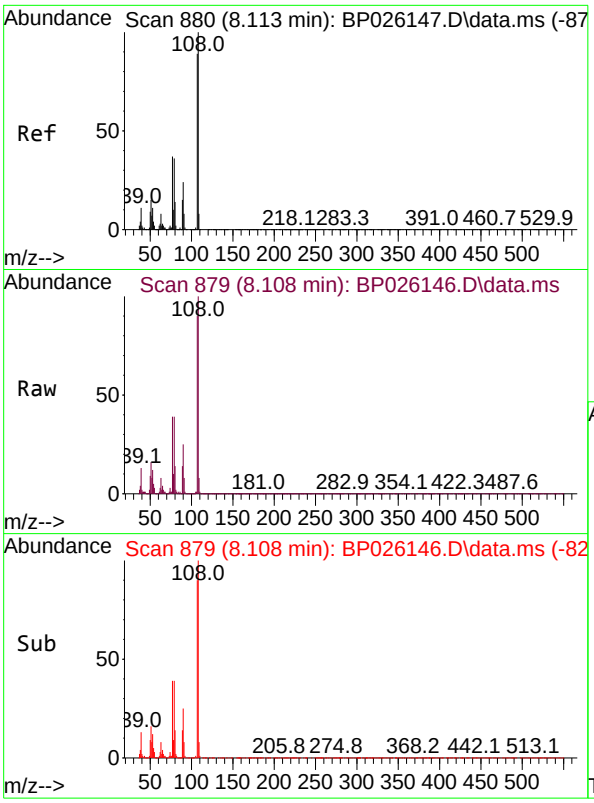


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.455 ng
RT: 8.196 min Scan# 894
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 45 Resp: 585097

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.9
79	10.8	0.0	30.4

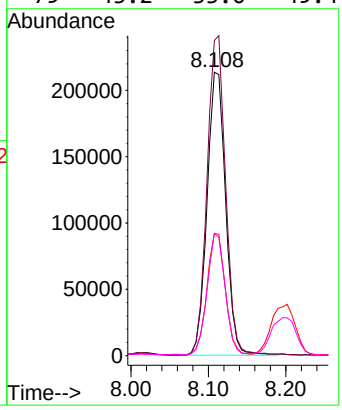




#17
2-Methylphenol
Concen: 21.308 ng
RT: 8.108 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:107 Resp: 35532

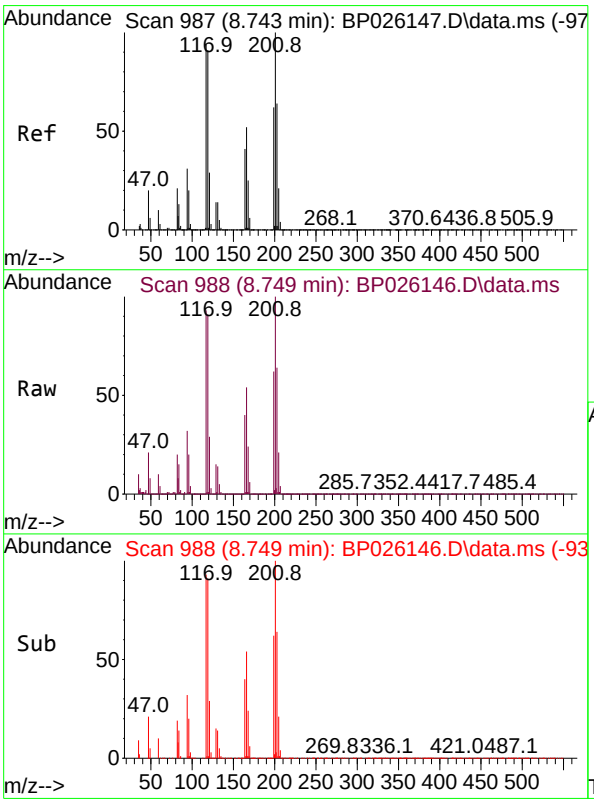
Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.7	134.5
77	43.1	33.9	50.9
79	43.2	33.0	49.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

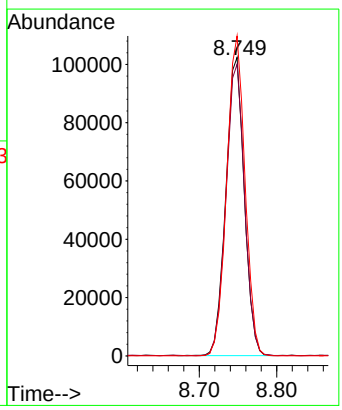
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

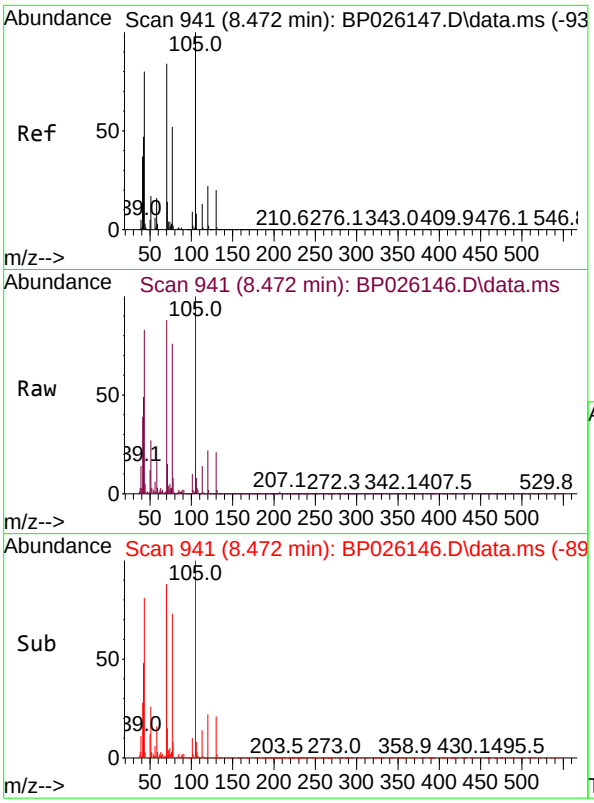


#18
Hexachloroethane
Concen: 21.211 ng
RT: 8.749 min Scan# 988
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:117 Resp: 169683

Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.7	118.1
201	107.2	85.1	127.7

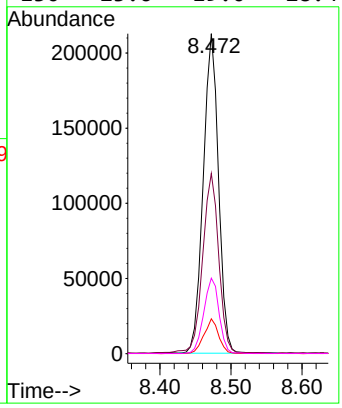




#19
n-Nitroso-di-n-propylamine
Concen: 22.304 ng
RT: 8.472 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 70 Resp: 31704

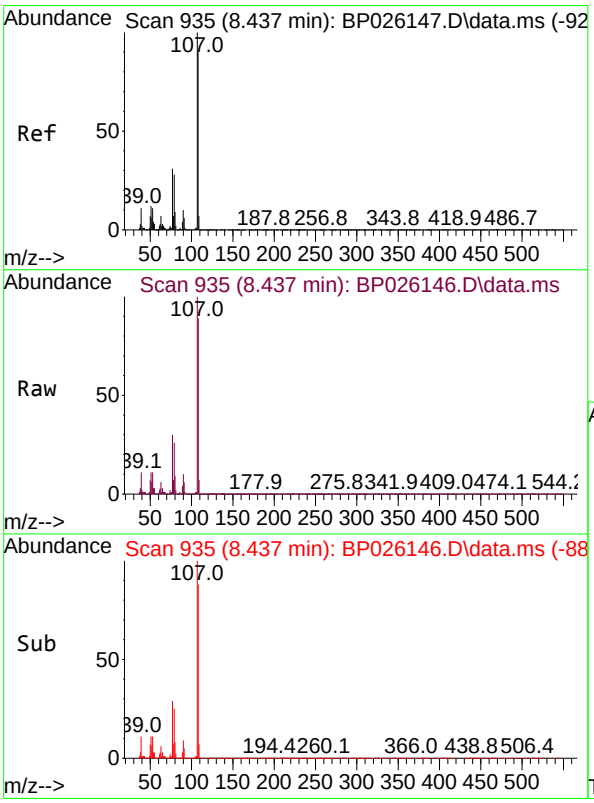
Ion	Ratio	Lower	Upper
70	100		
42	56.3	44.1	66.1
101	10.9	8.2	12.4
130	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

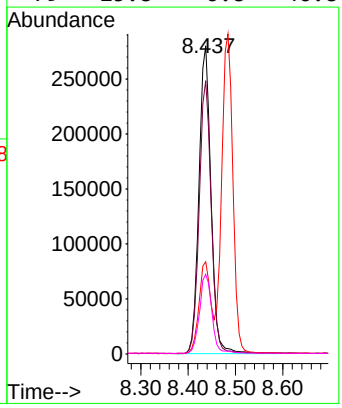
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

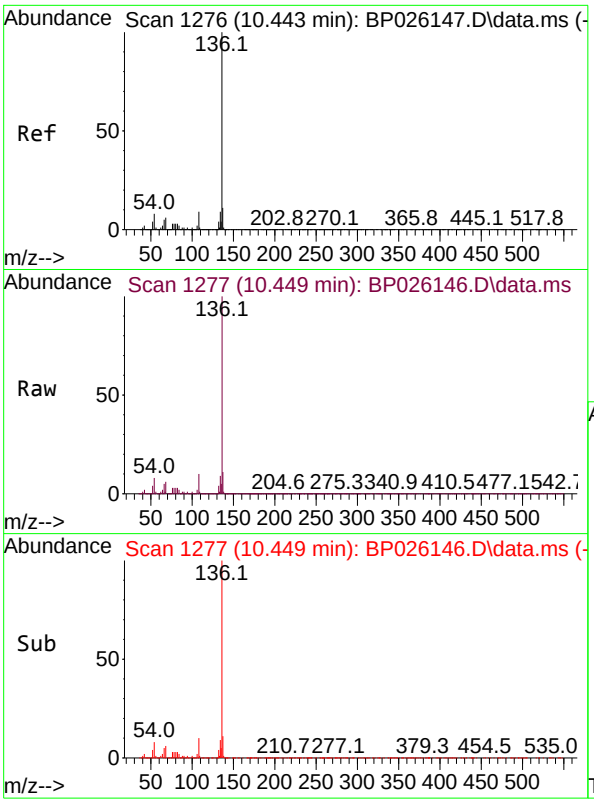


#20
3+4-Methylphenols
Concen: 21.323 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:107 Resp: 494113

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.9	108.9
77	29.9	10.4	50.4
79	25.8	6.8	46.8

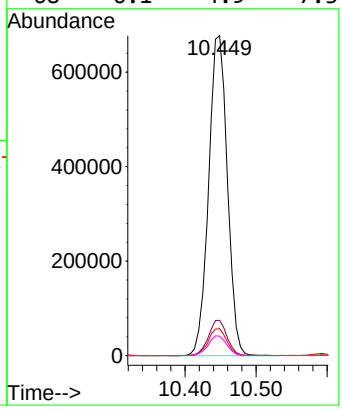




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:136 Resp: 124000

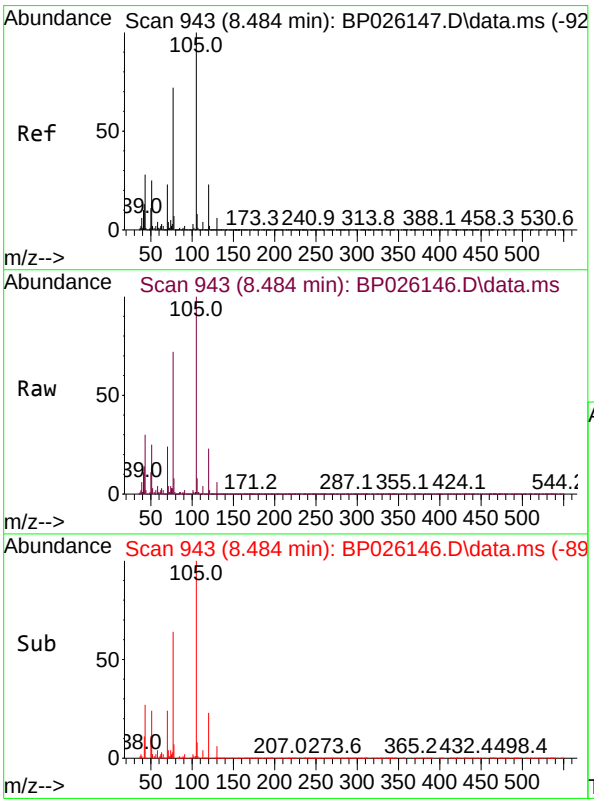
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.4	6.4	9.6
68	6.1	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

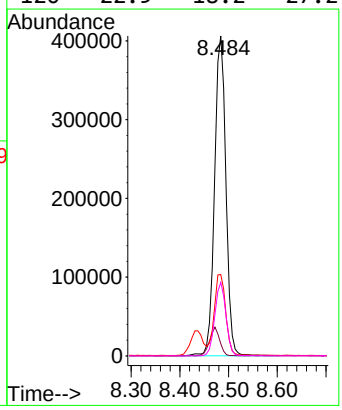
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

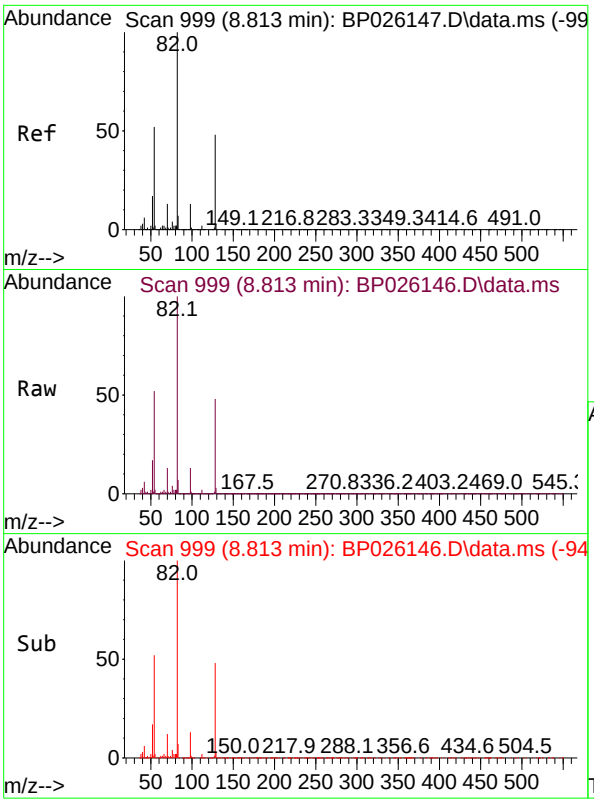


#22
Acetophenone
Concen: 21.014 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:105 Resp: 656986

Ion	Ratio	Lower	Upper
105	100		
71	3.8	3.0	4.4
51	25.4	20.5	30.7
120	22.9	18.2	27.2

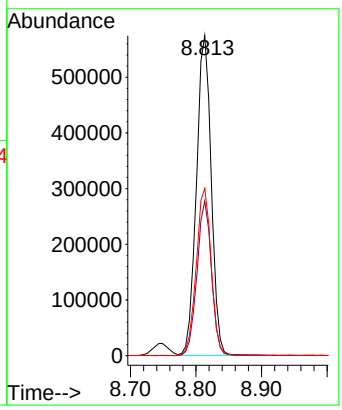




#23
Nitrobenzene-d5
Concen: 44.814 ng
RT: 8.813 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 82 Resp: 898109

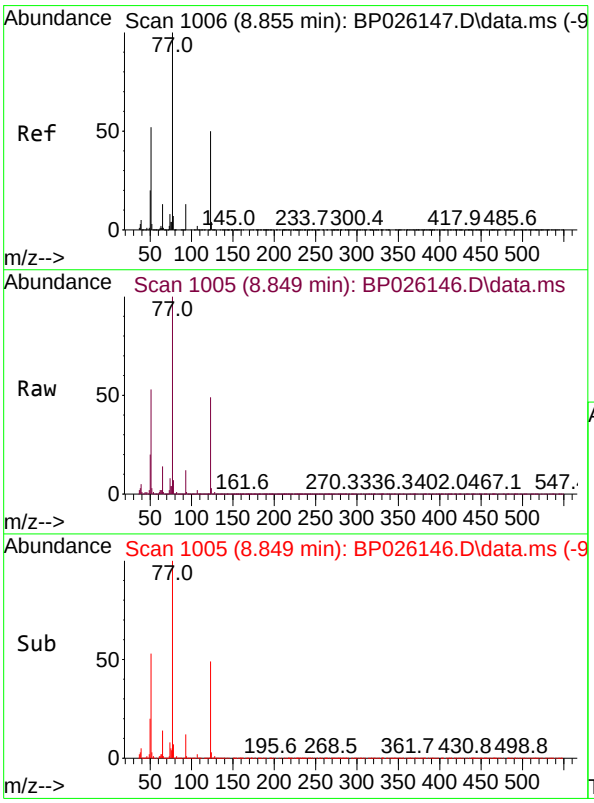
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.4	56.0
54	52.2	41.6	62.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

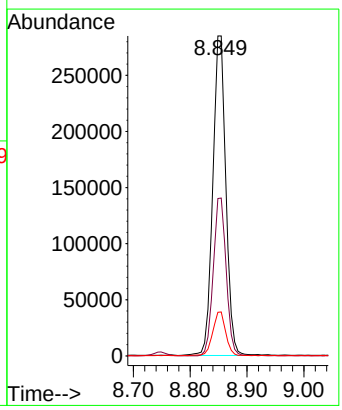
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

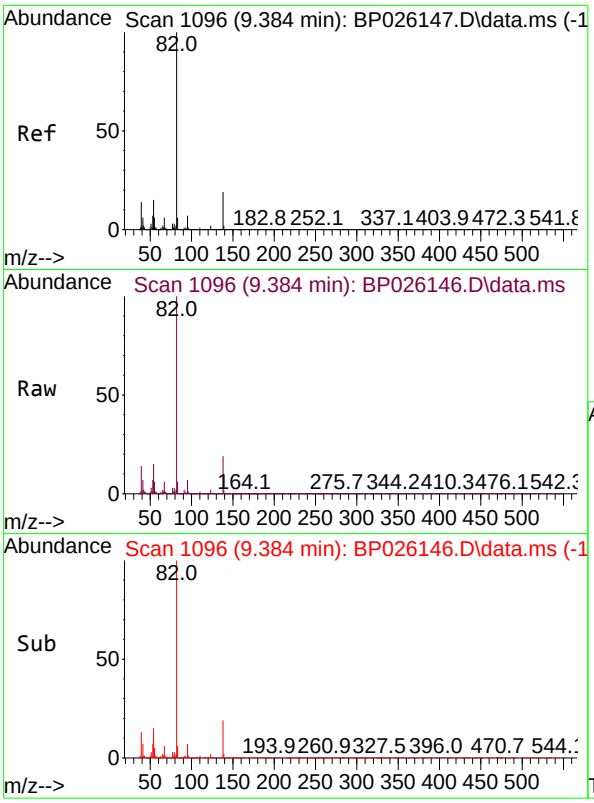


#24
Nitrobenzene
Concen: 21.768 ng
RT: 8.849 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 77 Resp: 456901

Ion	Ratio	Lower	Upper
77	100		
123	49.2	39.8	59.8
65	13.6	11.2	16.8

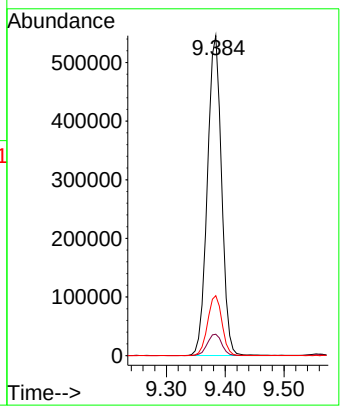




#25
Isophorone
Concen: 21.502 ng
RT: 9.384 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 82 Resp: 91211

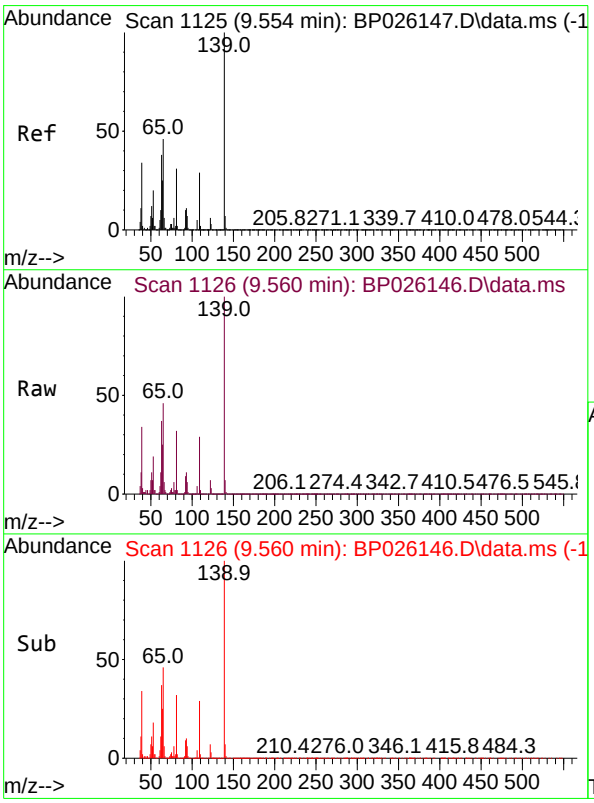
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	18.7	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

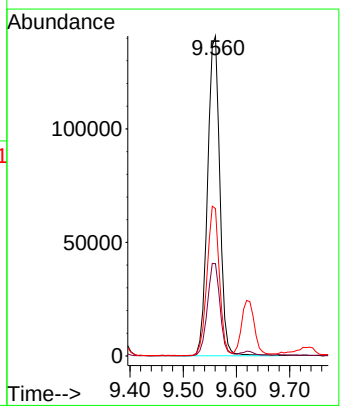
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

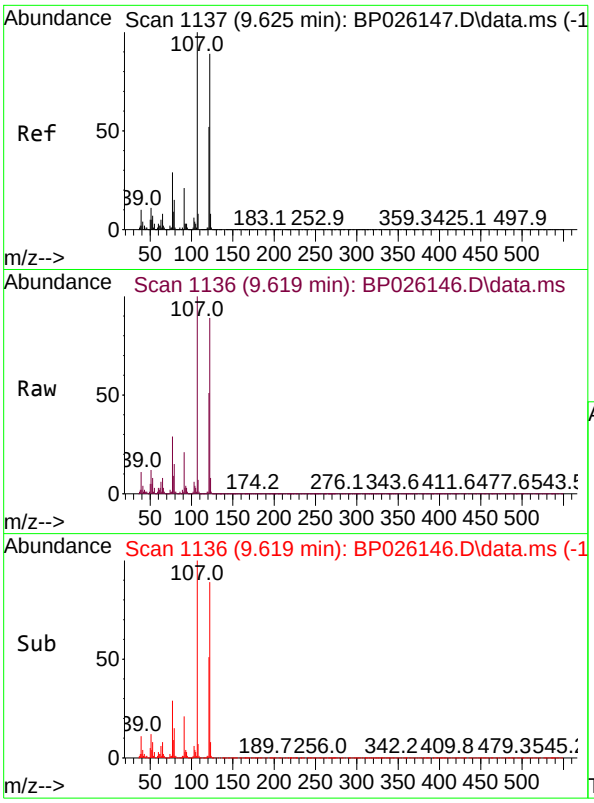


#26
2-Nitrophenol
Concen: 31.463 ng
RT: 9.560 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:139 Resp: 225396

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.3	33.5
65	46.0	37.2	55.8

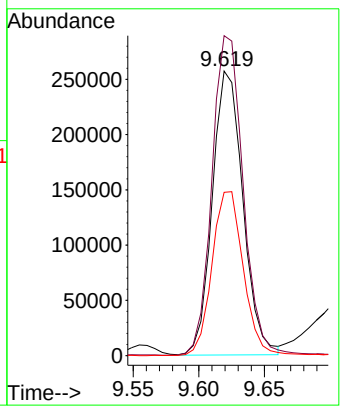




#27
2,4-Dimethylphenol
Concen: 23.115 ng
RT: 9.619 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:122 Resp: 41847

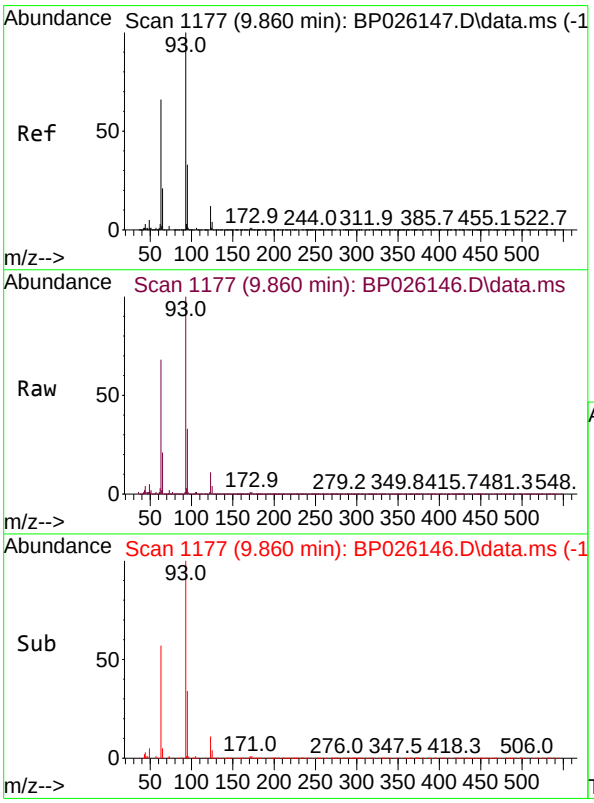
Ion	Ratio	Lower	Upper
122	100		
107	112.4	91.0	136.6
121	57.4	47.0	70.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

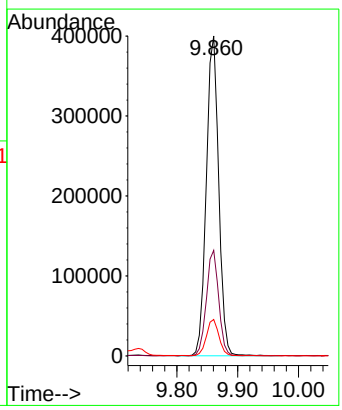
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

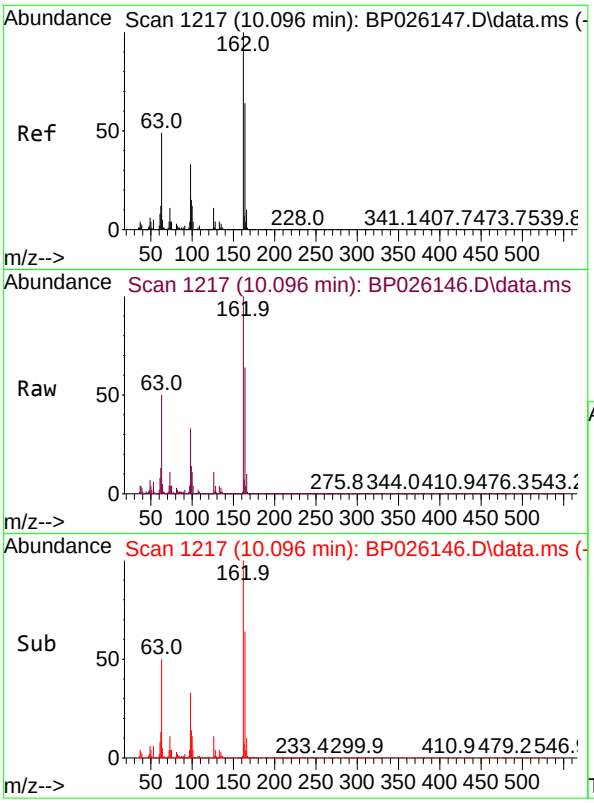


#28
bis(2-Chloroethoxy)methane
Concen: 21.042 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 93 Resp: 563383

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.4	39.6
123	11.4	9.4	14.0

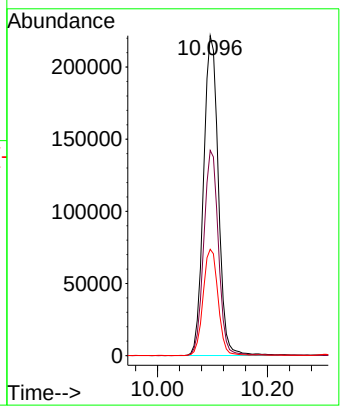




#29
2,4-Dichlorophenol
Concen: 21.974 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:162 Resp: 41515

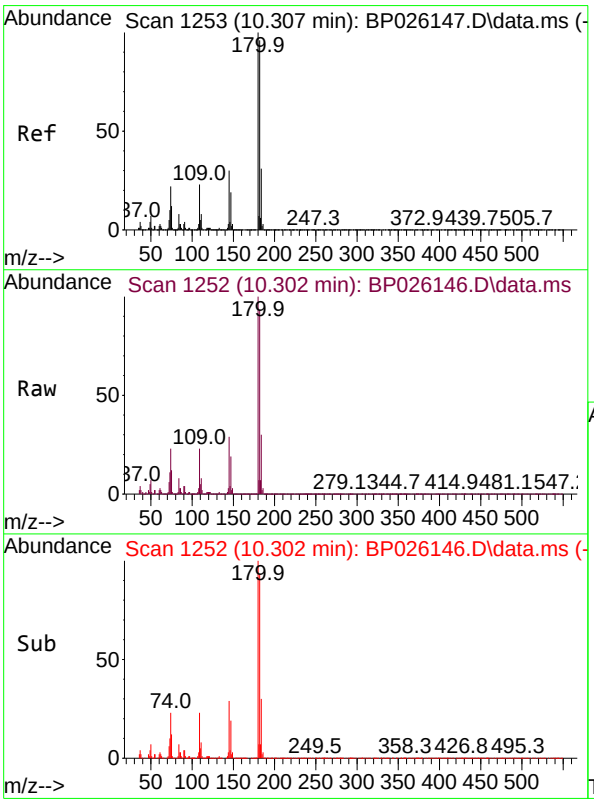
Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.8	83.8
98	33.2	14.1	54.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

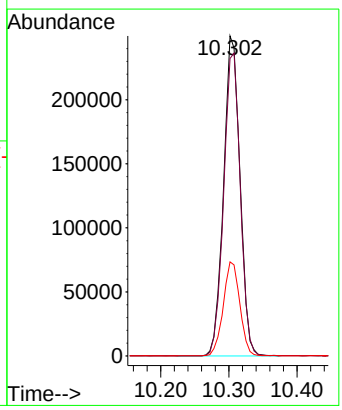
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

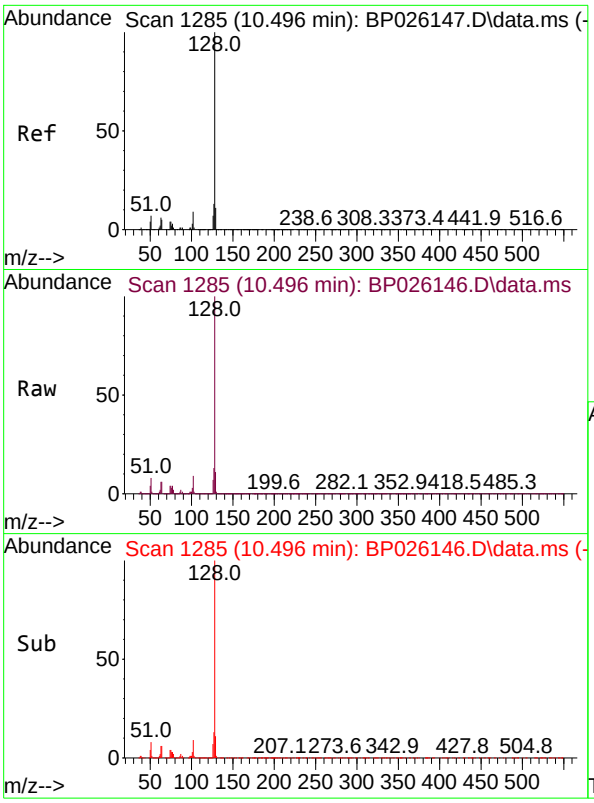


#30
1,2,4-Trichlorobenzene
Concen: 20.380 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:180 Resp: 417562

Ion	Ratio	Lower	Upper
180	100		
182	92.9	78.1	117.1
145	29.4	24.2	36.4

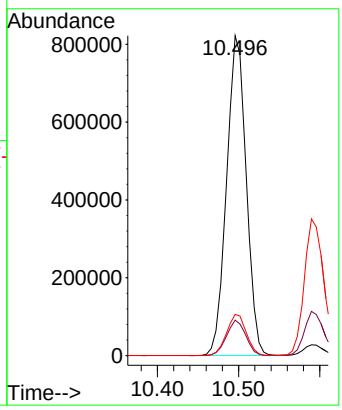




#31
Naphthalene
Concen: 20.547 ng
RT: 10.496 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:128 Resp: 138312

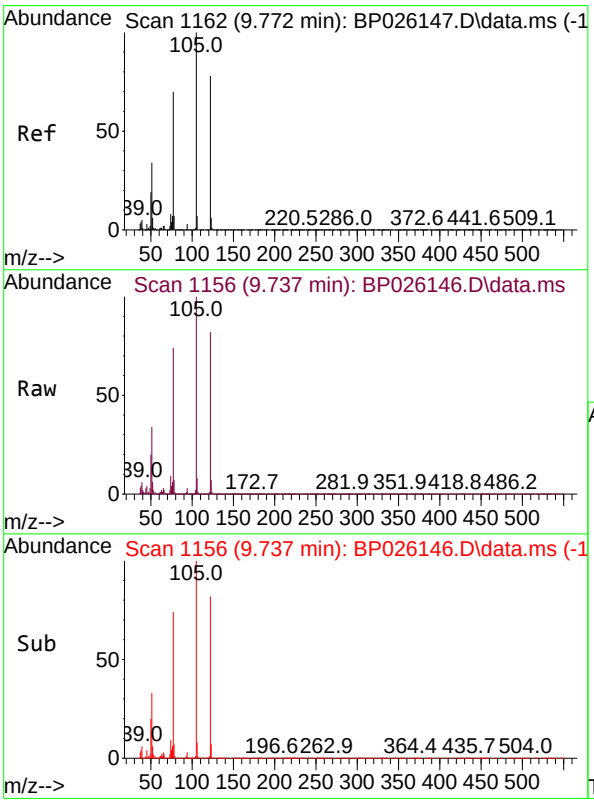
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.9	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

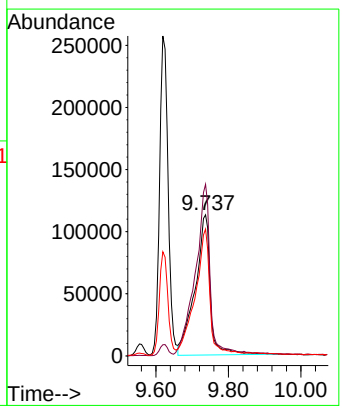
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

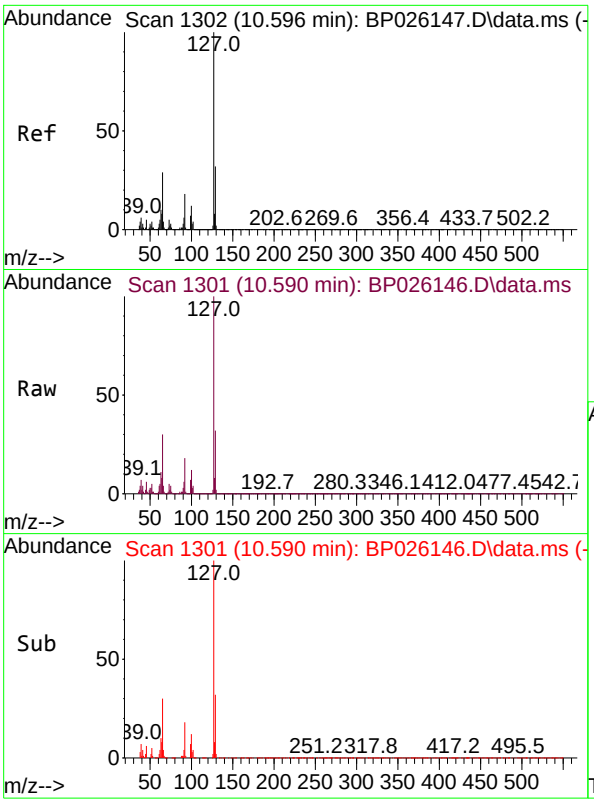


#32
Benzoic acid
Concen: 30.418 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.029 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:122 Resp: 332008

Ion	Ratio	Lower	Upper
122	100		
105	121.7	100.1	140.1
77	90.0	66.7	106.7

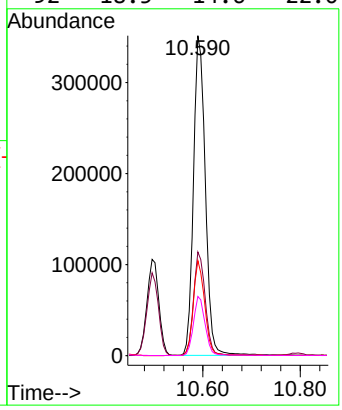




#33
4-Chloroaniline
Concen: 22.720 ng
RT: 10.590 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:127 Resp: 59421

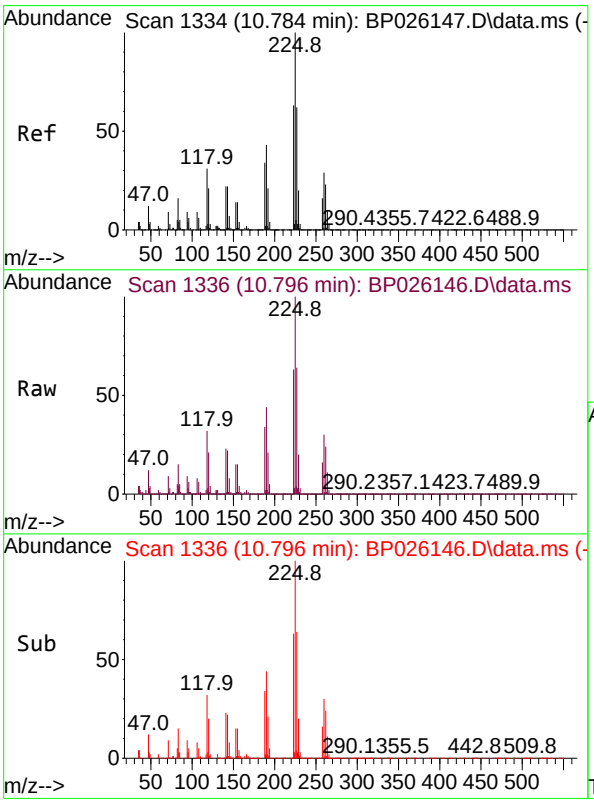
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	29.7	22.7	34.1
92	18.5	14.6	22.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

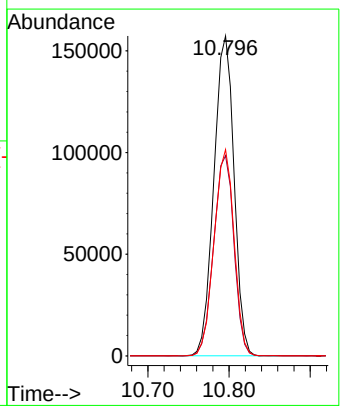
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

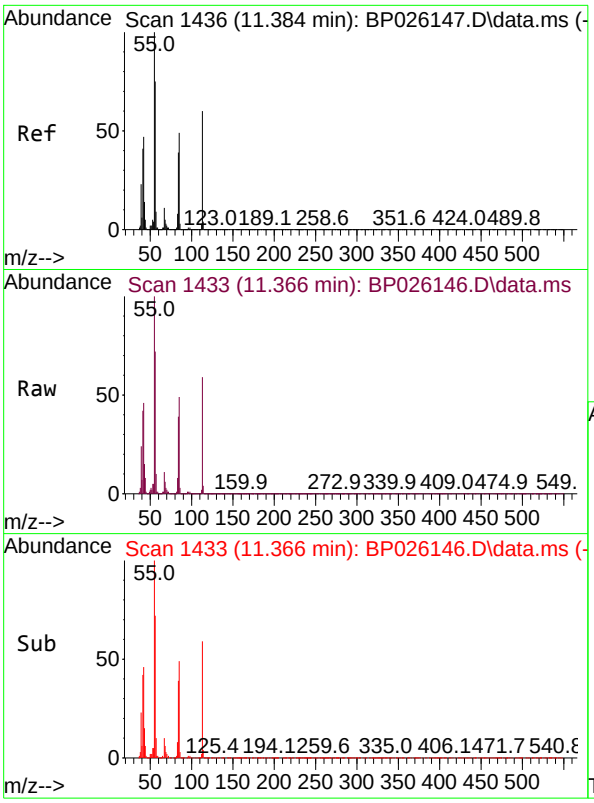


#34
Hexachlorobutadiene
Concen: 20.697 ng
RT: 10.796 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:225 Resp: 271388

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.6	74.4
227	64.5	51.2	76.8

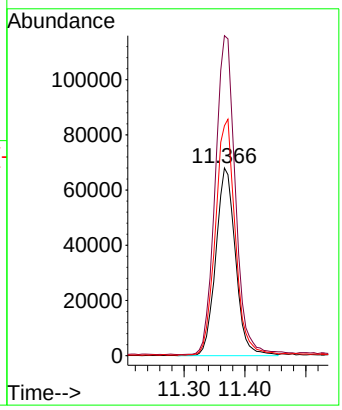




#35
Caprolactam
Concen: 23.091 ng
RT: 11.366 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:113 Resp: 15249

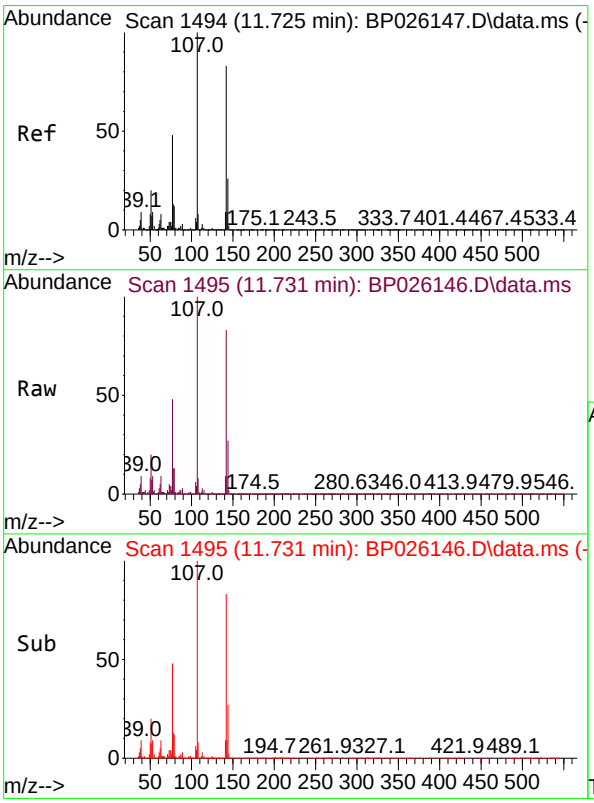
Ion	Ratio	Lower	Upper
113	100		
55	170.5	153.0	193.0
56	122.5	106.4	146.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

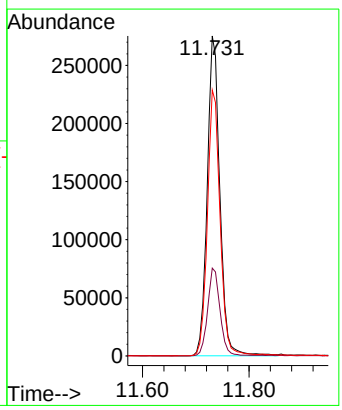
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

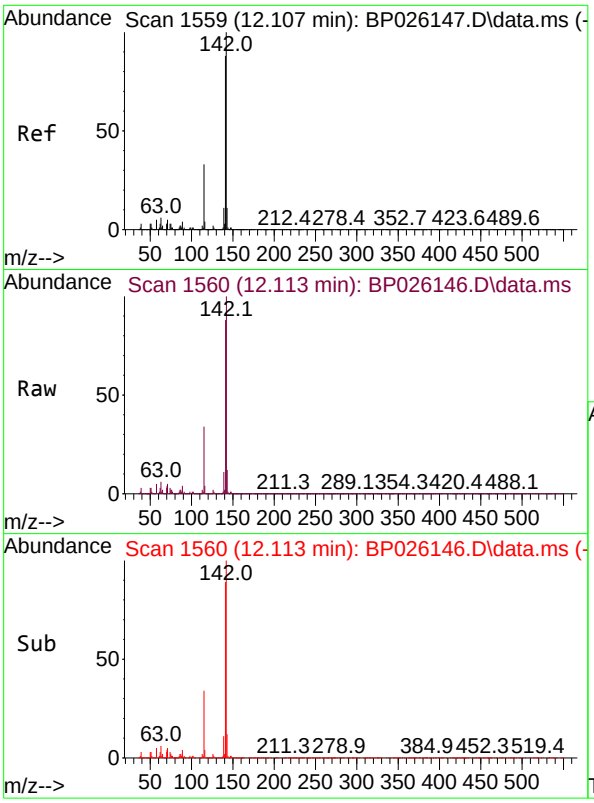


#36
4-Chloro-3-methylphenol
Concen: 22.951 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:107 Resp: 453497

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.6	32.4
142	83.1	65.6	98.4

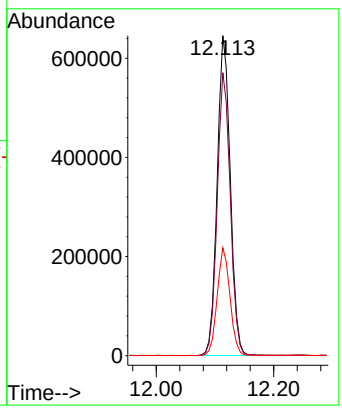




#37
2-Methylnaphthalene
Concen: 21.193 ng
RT: 12.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:142 Resp: 99749

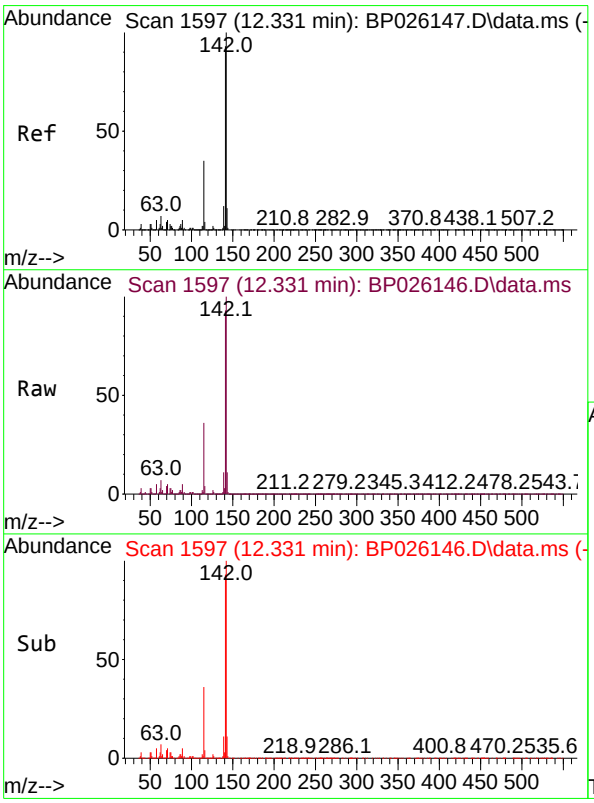
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	33.7	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

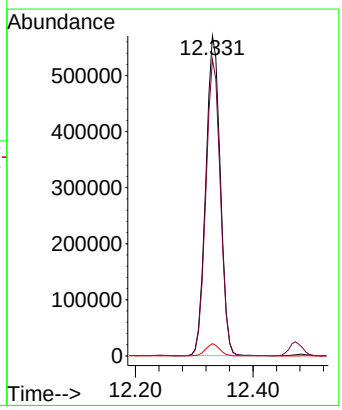
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

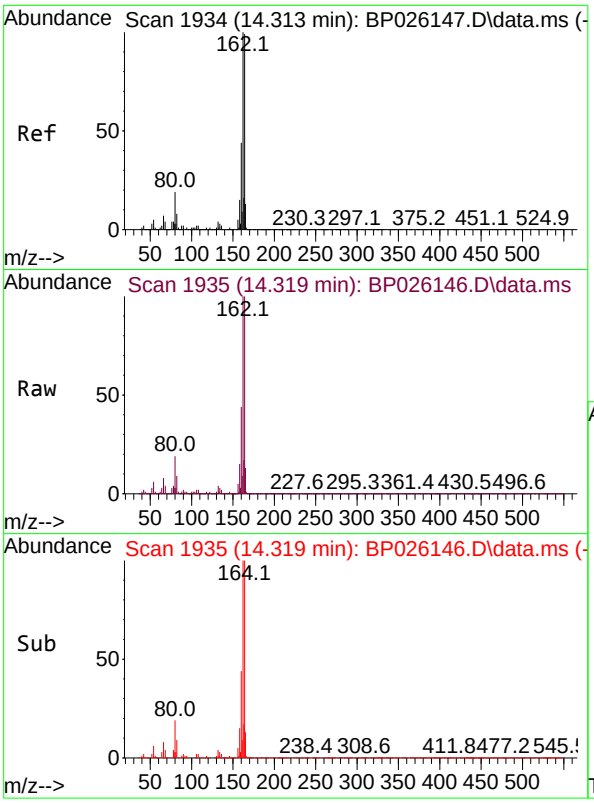


#38
1-Methylnaphthalene
Concen: 21.279 ng
RT: 12.331 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:142 Resp: 973734

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	3.8	3.0	4.4

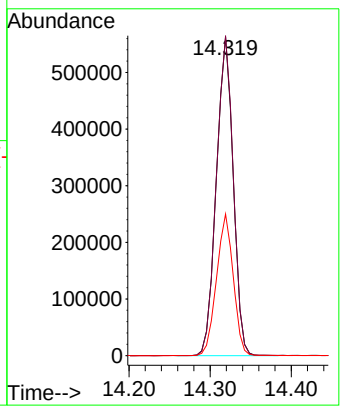




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:164 Resp: 81003

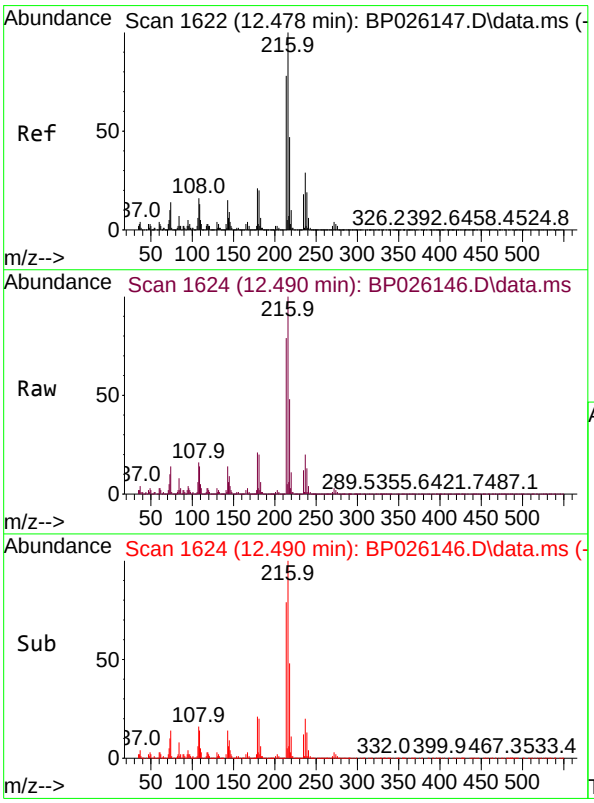
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.3	120.5
160	44.4	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

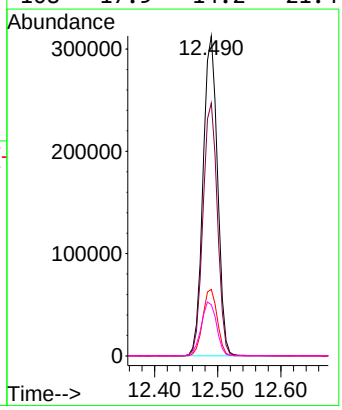
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

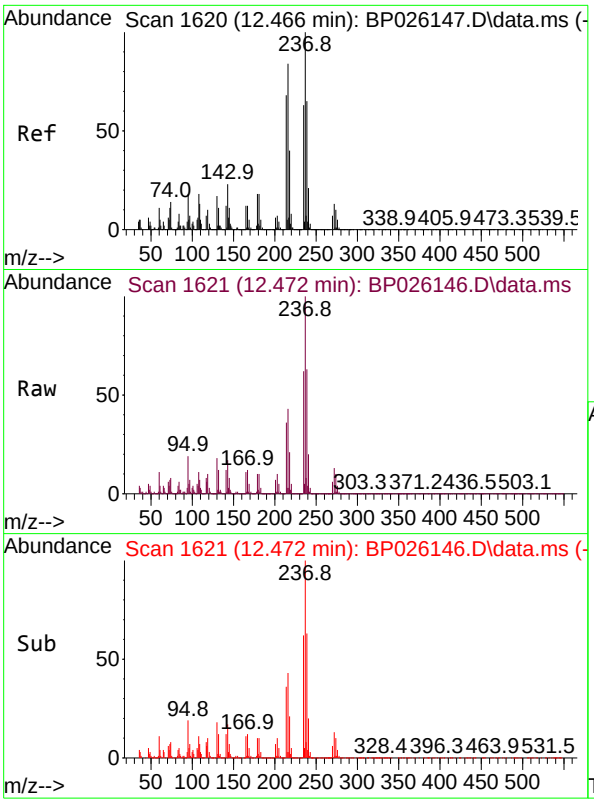


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.803 ng
RT: 12.490 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:216 Resp: 496403

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	94.0
179	21.0	16.6	25.0
108	17.9	14.2	21.4

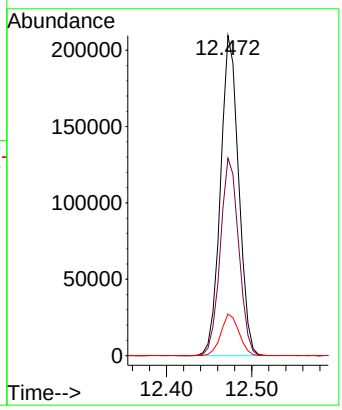




#41
Hexachlorocyclopentadiene
Concen: 29.677 ng
RT: 12.472 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:237 Resp: 30936

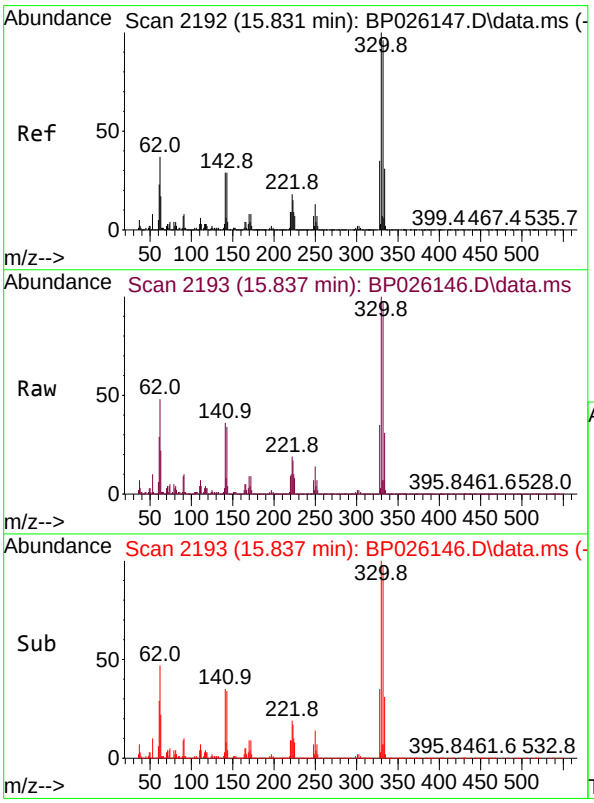
Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.3	83.3
272	13.0	0.0	32.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

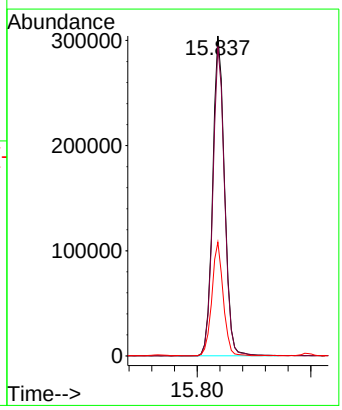
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

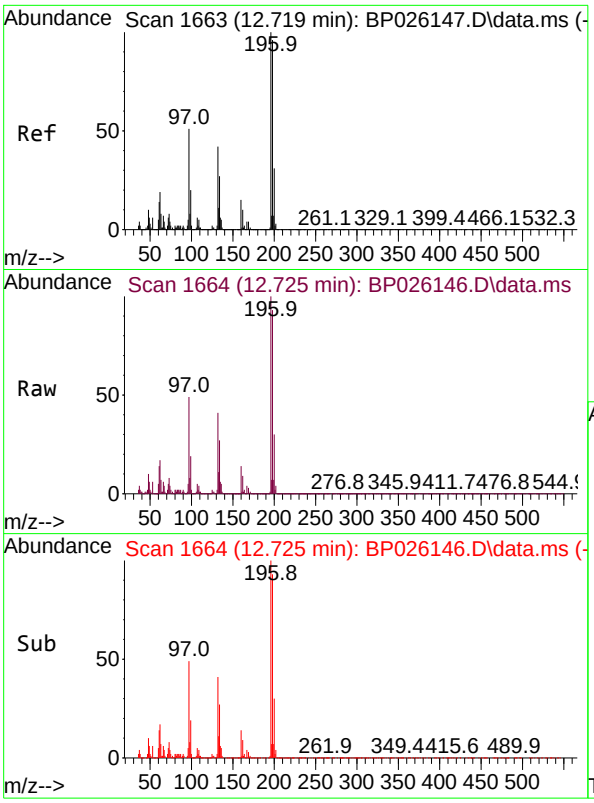


#42
2,4,6-Tribromophenol
Concen: 49.922 ng
RT: 15.837 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:330 Resp: 442990

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.0	117.0
141	34.0	26.8	40.2

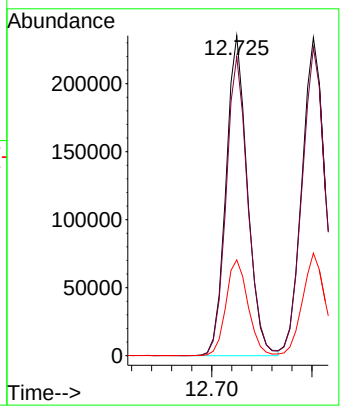




#43
2,4,6-Trichlorophenol
Concen: 23.301 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:196 Resp: 34939

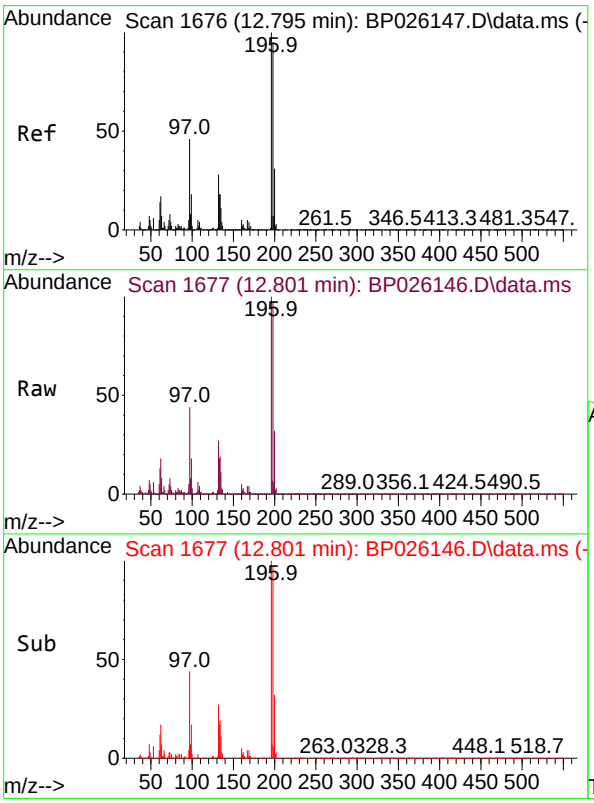
Ion	Ratio	Lower	Upper
196	100		
198	93.4	76.9	115.3
200	30.0	24.6	37.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

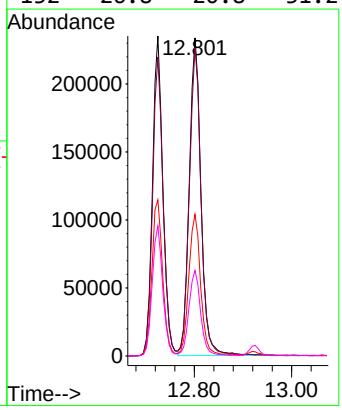
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

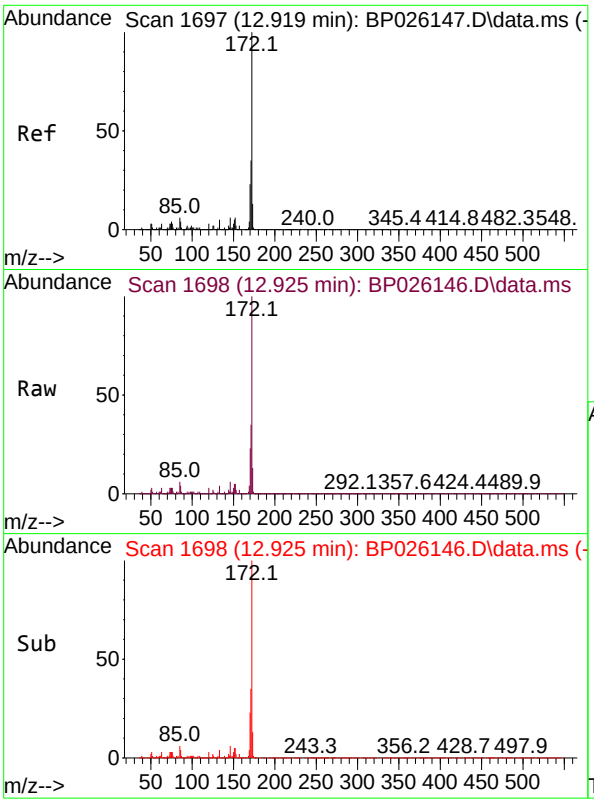


#44
2,4,5-Trichlorophenol
Concen: 22.897 ng
RT: 12.801 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:196 Resp: 390063

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.4	114.6
97	44.5	35.7	53.5
132	26.8	20.8	31.2

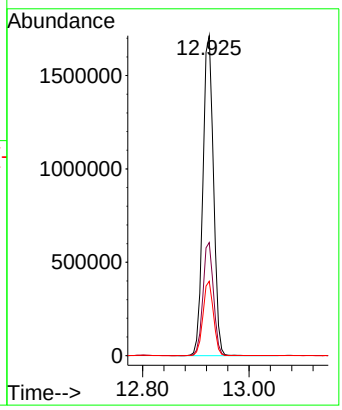




#45
2-Fluorobiphenyl
Concen: 41.935 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:172 Resp: 235427

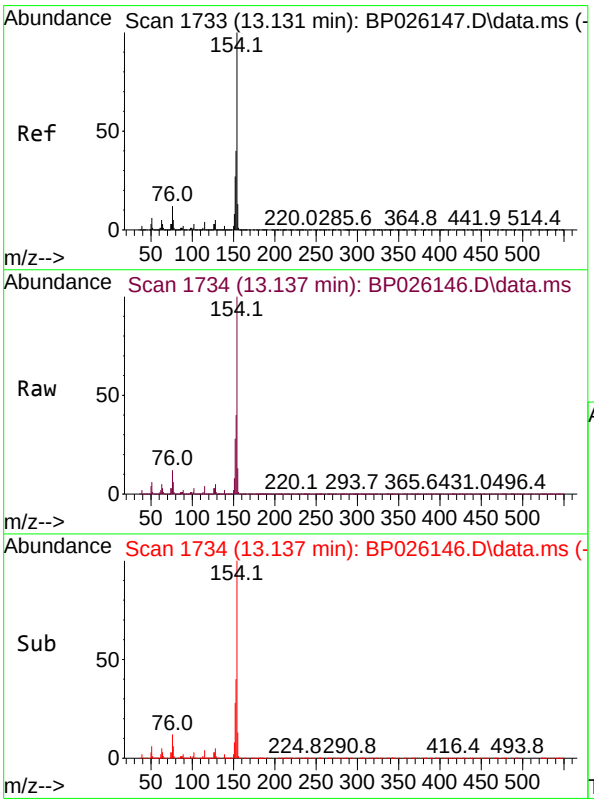
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.2	18.7	28.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

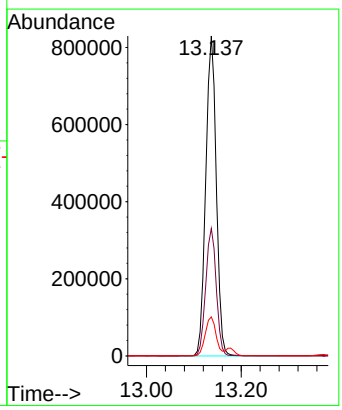
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

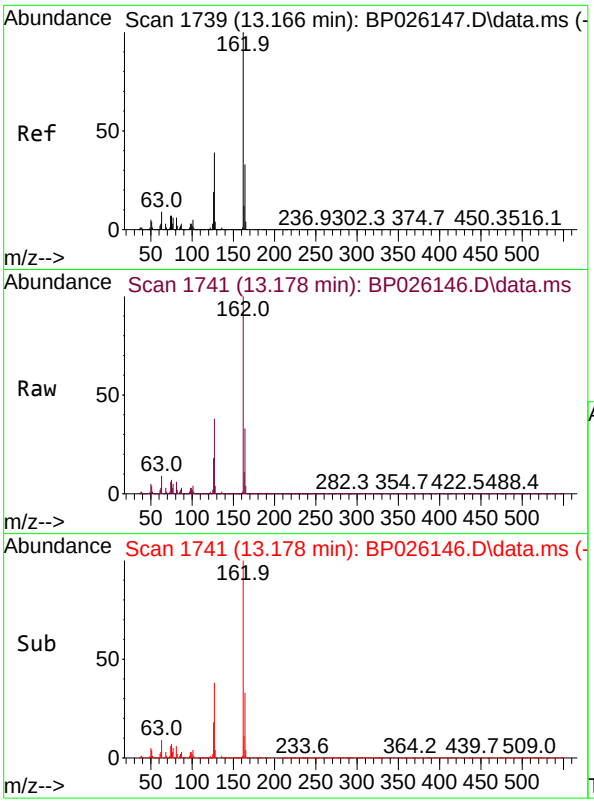


#46
1,1'-Biphenyl
Concen: 20.733 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:154 Resp: 1280167

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	12.2	0.0	32.3

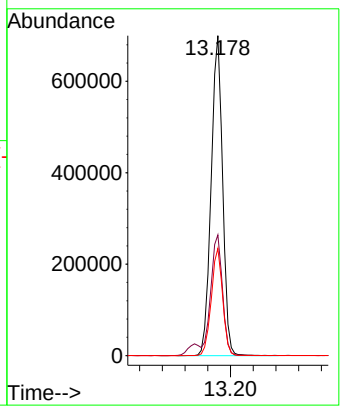




#47
2-Chloronaphthalene
Concen: 20.303 ng
RT: 13.178 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:162 Resp: 98556

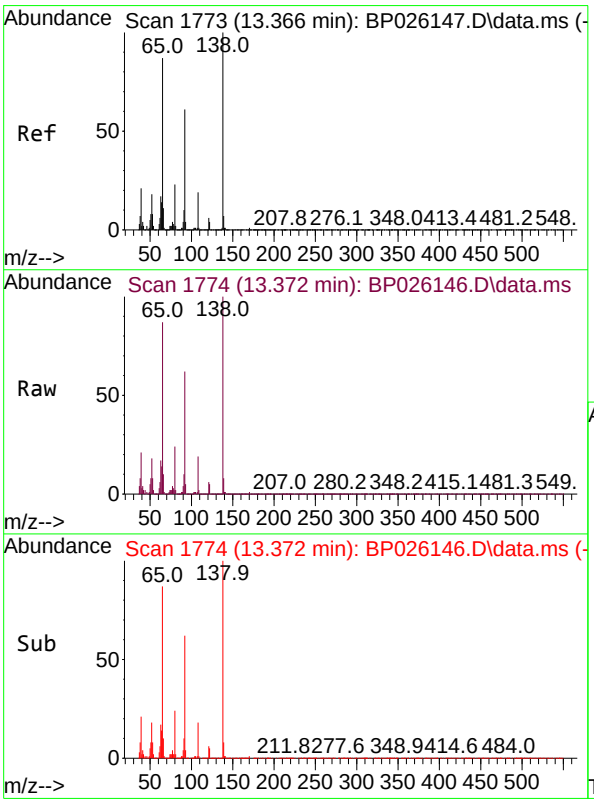
Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.9	46.3
164	33.5	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

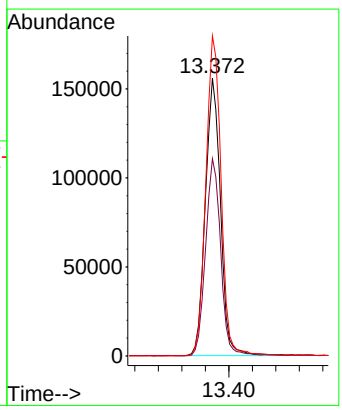
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

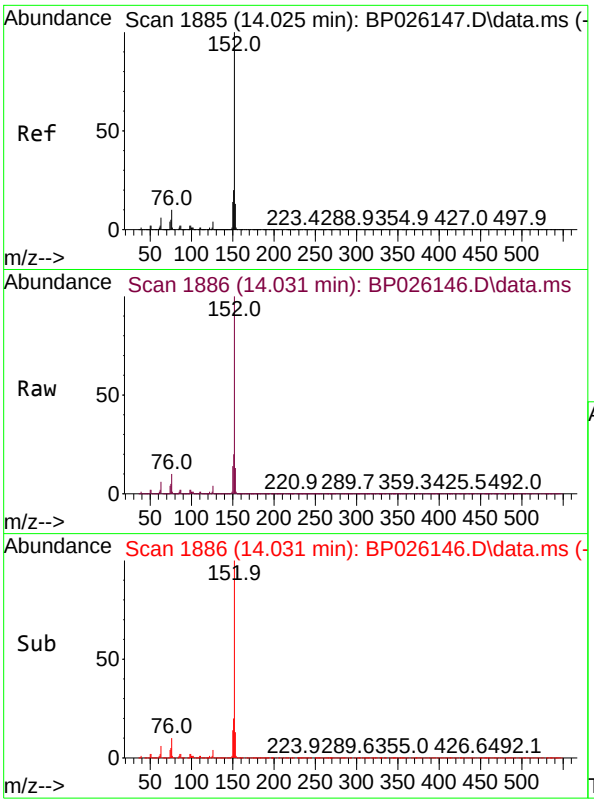


#48
2-Nitroaniline
Concen: 25.032 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 65 Resp: 279508

Ion	Ratio	Lower	Upper
65	100		
92	71.0	59.1	88.7
138	115.2	96.6	145.0

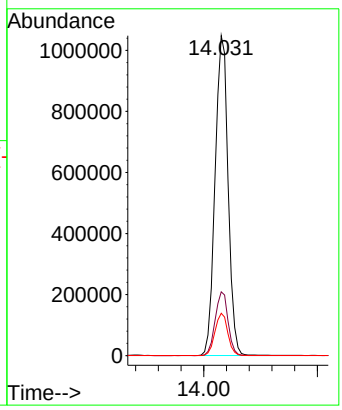




#49
Acenaphthylene
Concen: 23.158 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:152 Resp: 166159

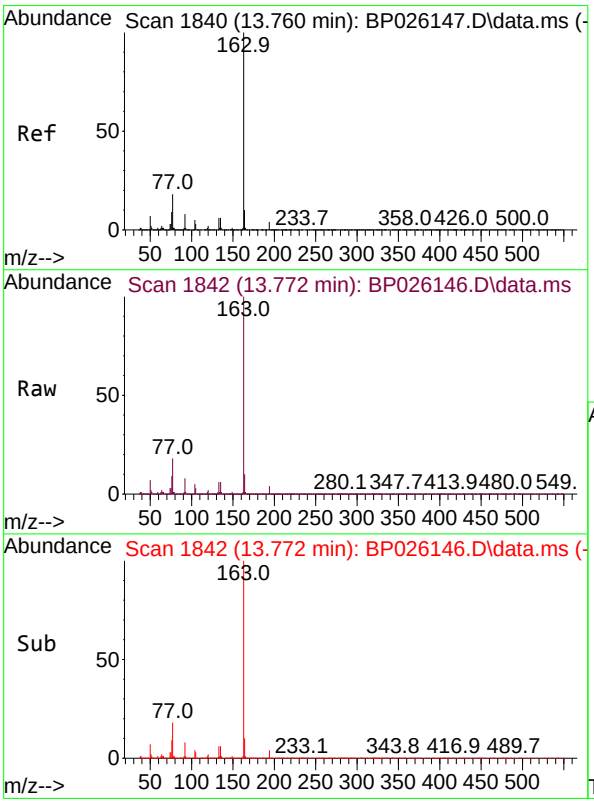
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

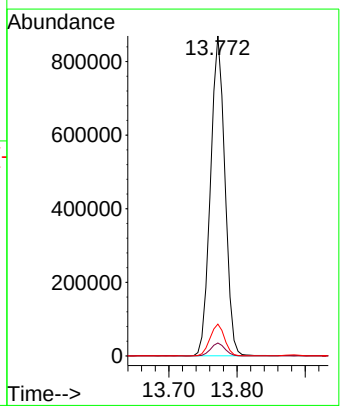
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

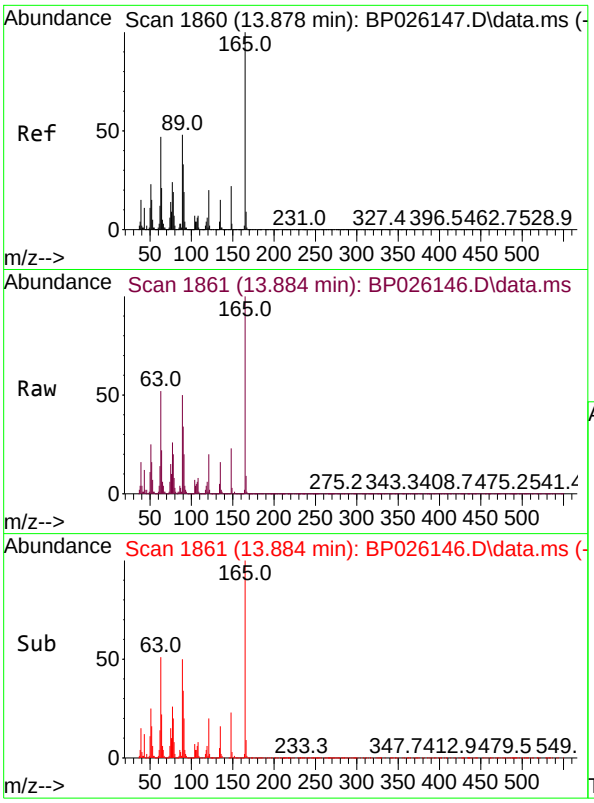


#50
Dimethylphthalate
Concen: 21.720 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:163 Resp: 1274006

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.2	12.2

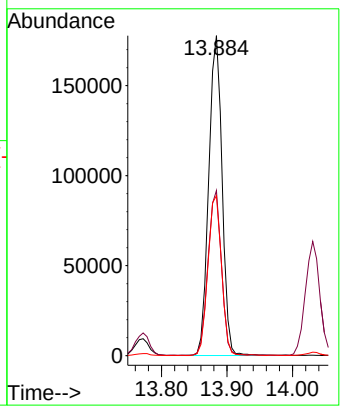




#51
2,6-Dinitrotoluene
Concen: 25.482 ng
RT: 13.884 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:165 Resp: 25127

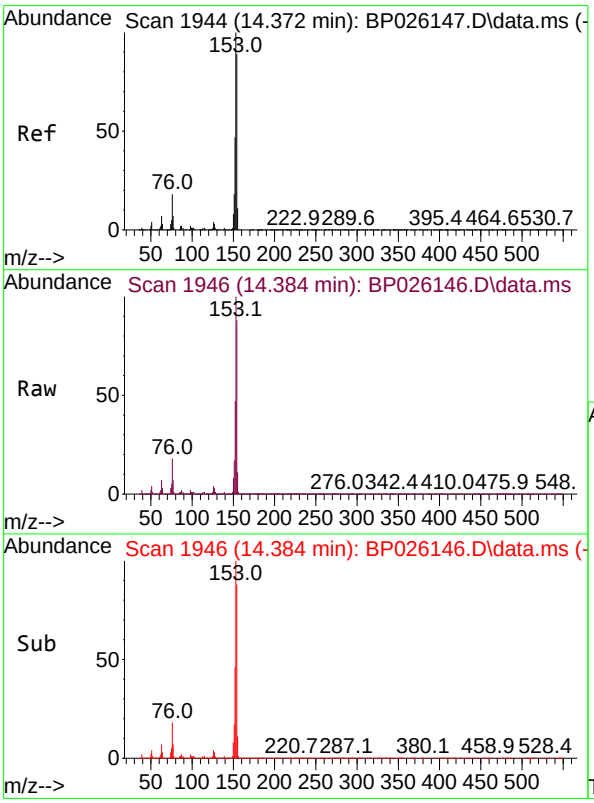
Ion	Ratio	Lower	Upper
165	100		
63	51.6	40.5	60.7
89	50.0	41.3	61.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

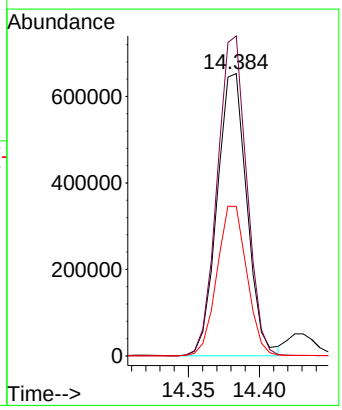
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

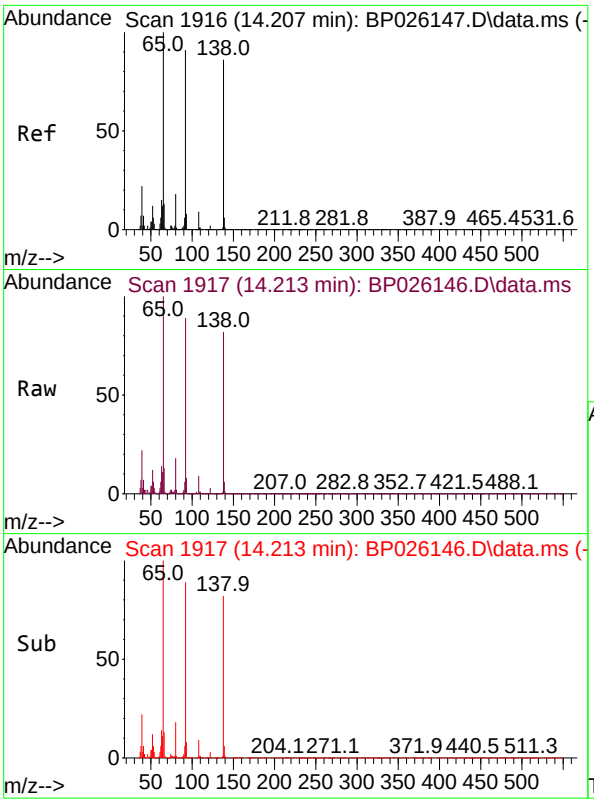


#52
Acenaphthene
Concen: 19.901 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:154 Resp: 955446

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.7	136.1
152	53.0	42.8	64.2





#53
3-Nitroaniline
Concen: 24.958 ng
RT: 14.213 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

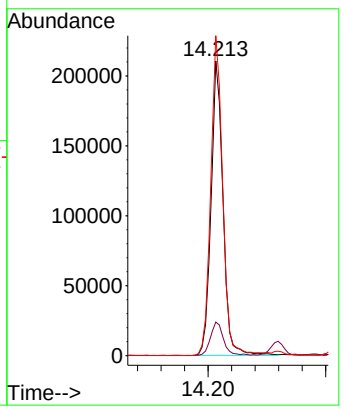
Tgt Ion:138 Resp: 29773

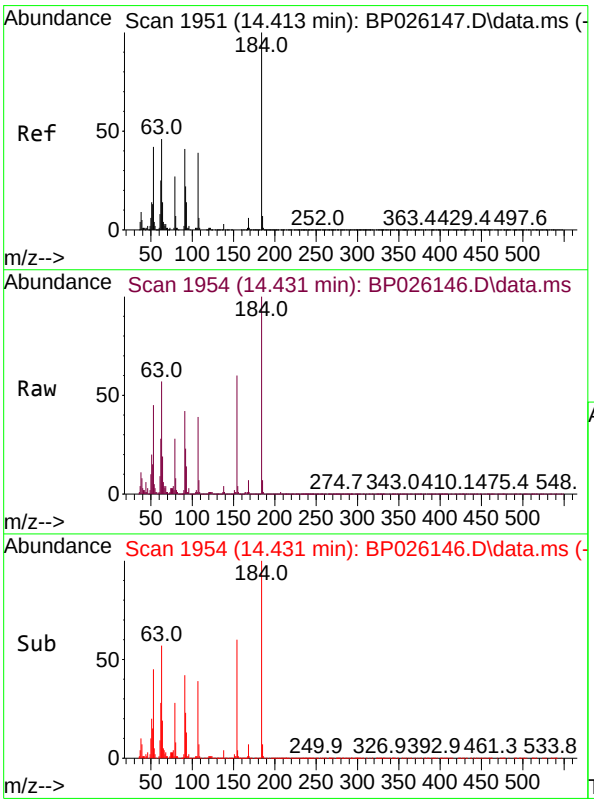
Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.9	13.3
92	108.6	86.3	129.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

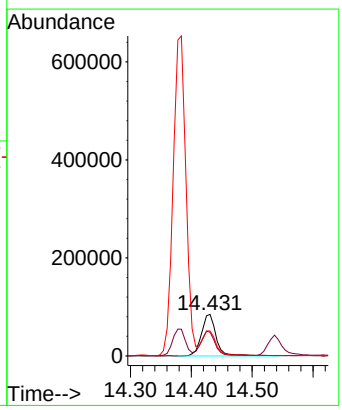


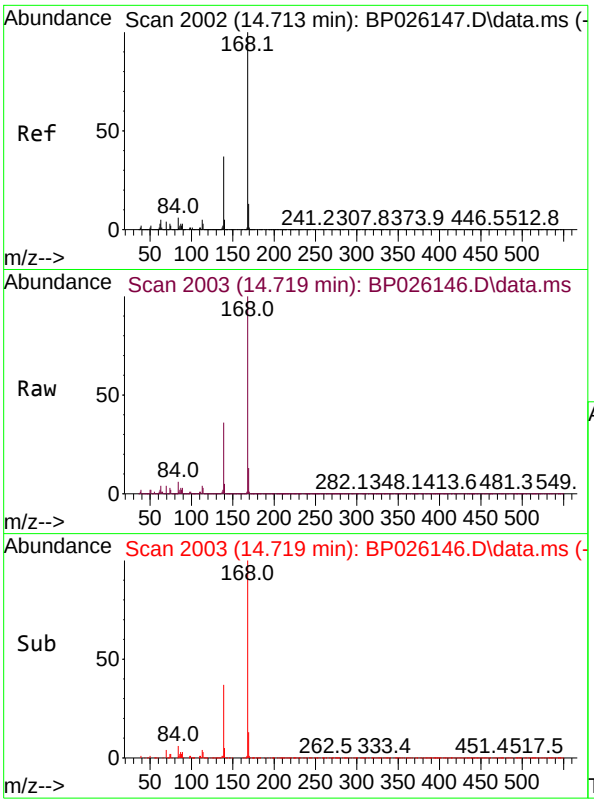


#54
2,4-Dinitrophenol
Concen: 31.181 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:184 Resp: 141102

Ion	Ratio	Lower	Upper
184	100		
63	57.2	43.1	64.7
154	59.9	49.5	74.3

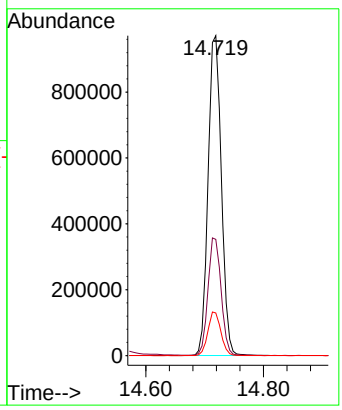




#55
Dibenzofuran
Concen: 20.834 ng
RT: 14.719 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:168 Resp: 152324

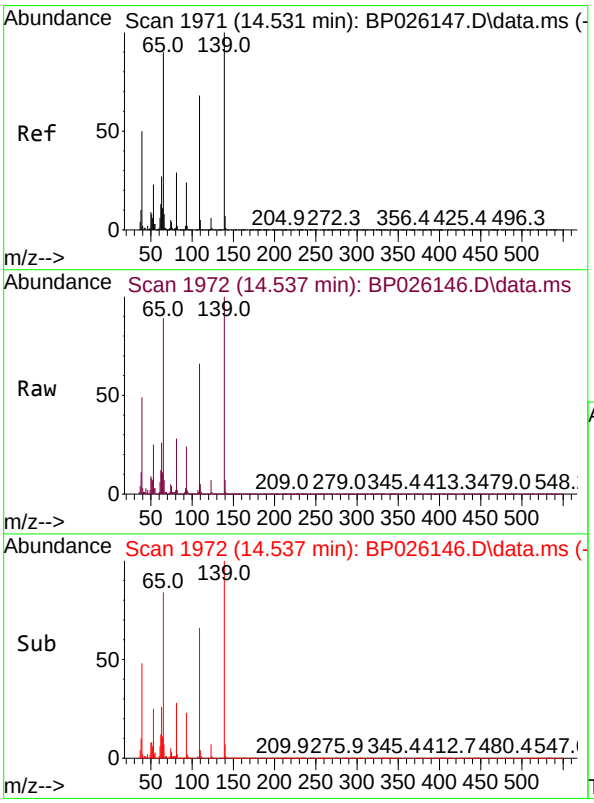
Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.8	44.6
169	13.3	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

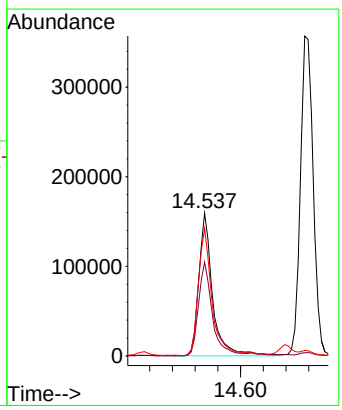
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

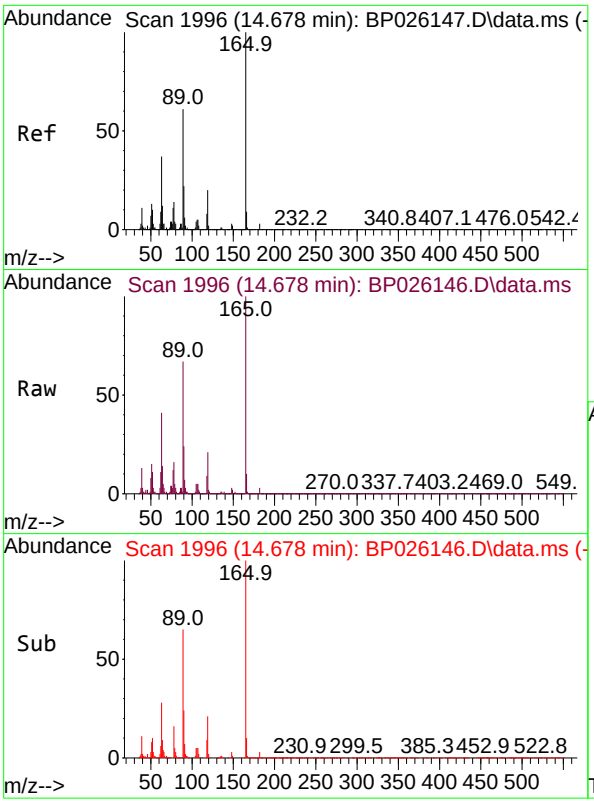


#56
4-Nitrophenol
Concen: 22.578 ng
RT: 14.537 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:139 Resp: 268085

Ion	Ratio	Lower	Upper
139	100		
109	65.8	46.8	86.8
65	89.3	69.3	109.3

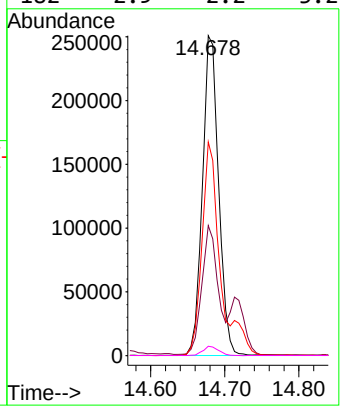




#57
2,4-Dinitrotoluene
Concen: 26.418 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:165 Resp: 380156

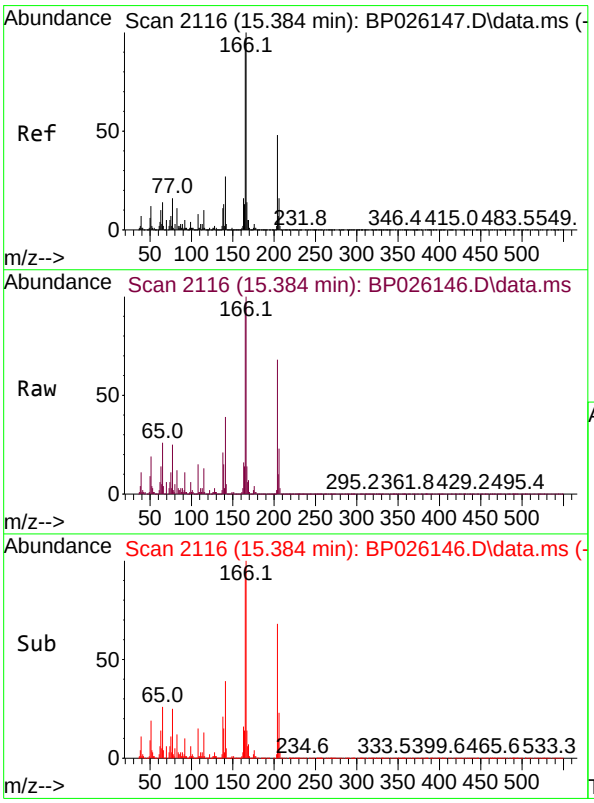
Ion	Ratio	Lower	Upper
165	100		
63	40.6	31.0	46.6
89	66.8	51.7	77.5
182	2.9	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

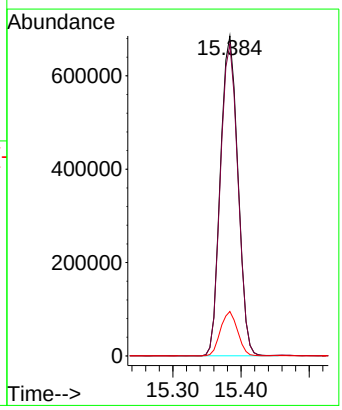
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

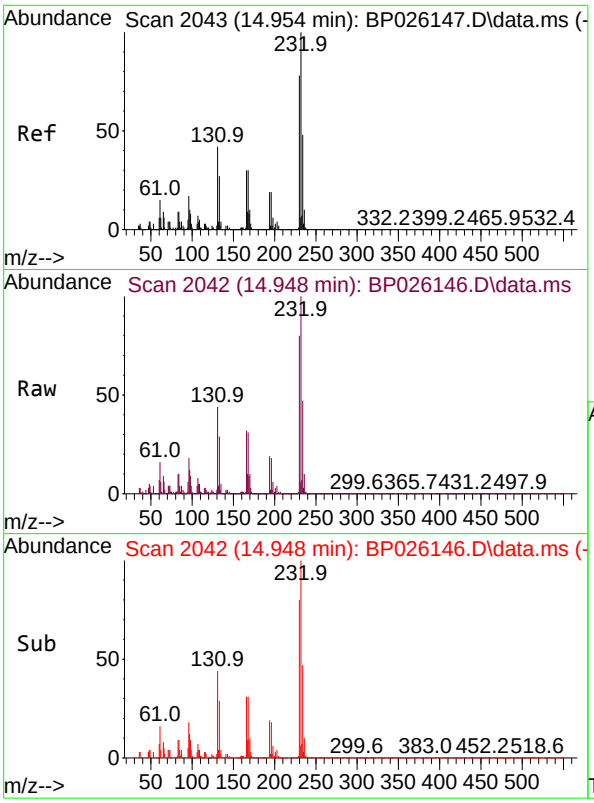


#58
Fluorene
Concen: 21.155 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:166 Resp: 1215204

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.9	116.9
167	13.9	11.0	16.4

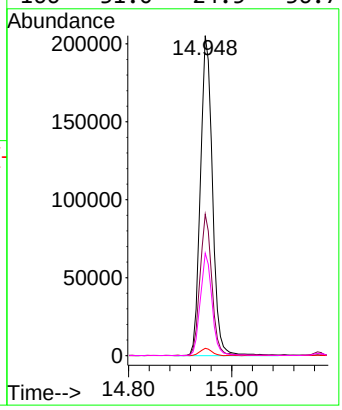




#59
2,3,4,6-Tetrachlorophenol
Concen: 24.574 ng
RT: 14.948 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:232 Resp: 331539

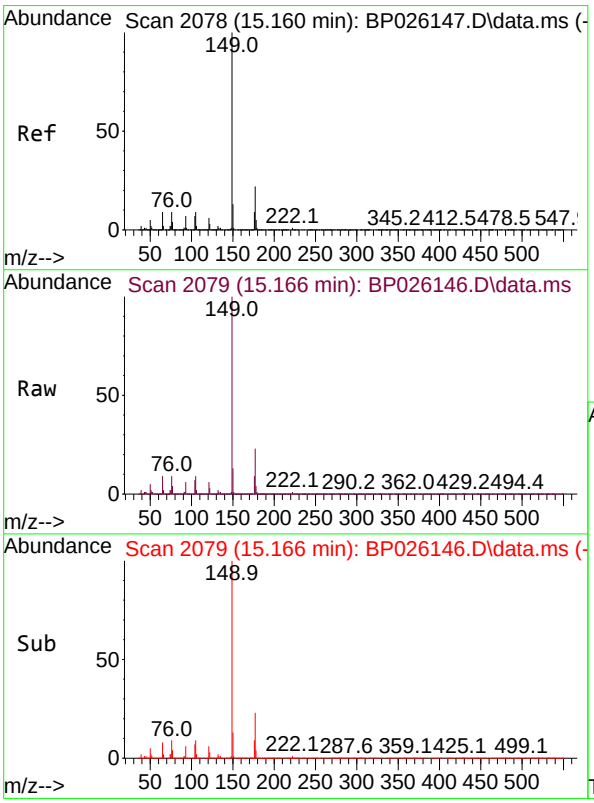
Ion	Ratio	Lower	Upper
232	100		
131	43.2	34.8	52.2
130	2.2	1.8	2.8
166	31.0	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

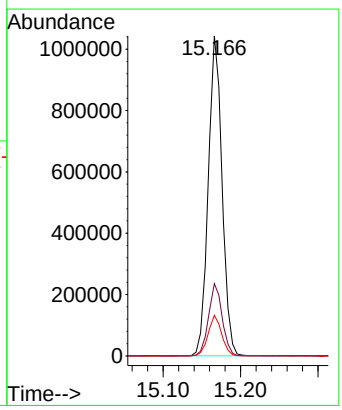
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

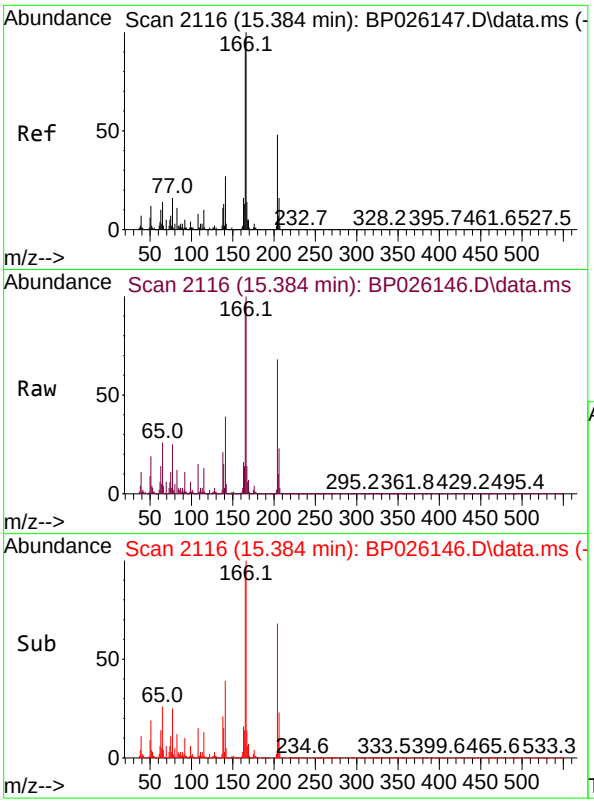


#60
Diethylphthalate
Concen: 21.853 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:149 Resp: 1289507

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.7	9.9	14.9

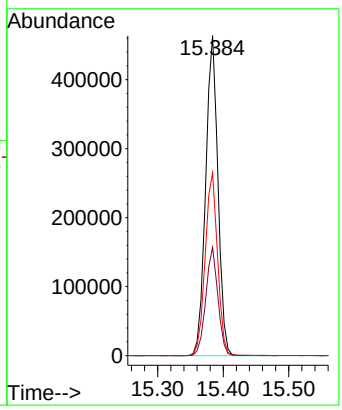




#61
4-Chlorophenyl-phenylether
Concen: 20.967 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:204 Resp: 60036

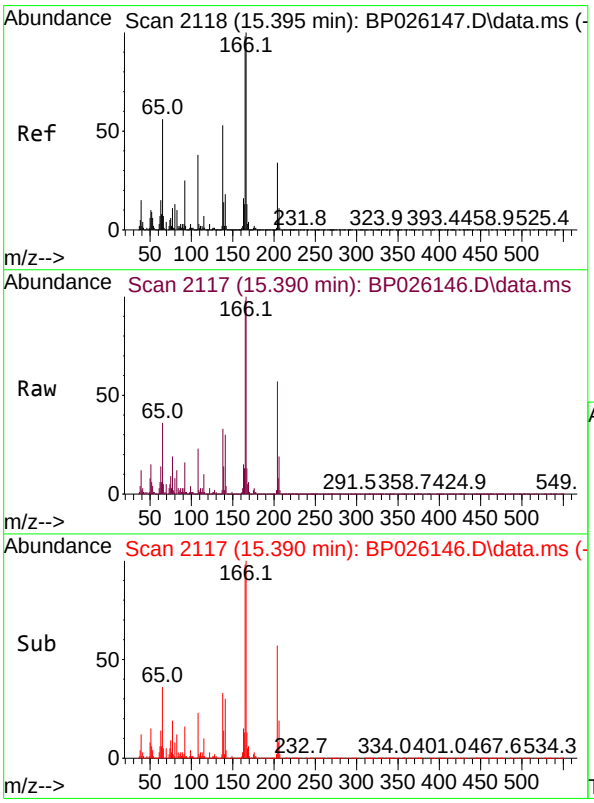
Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.2	39.2
141	57.1	48.1	72.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

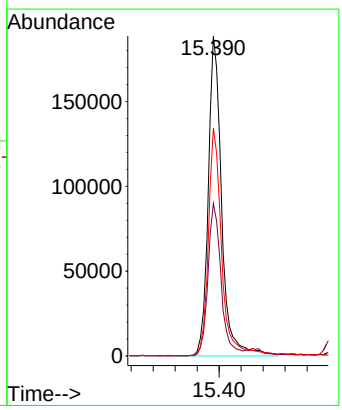
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

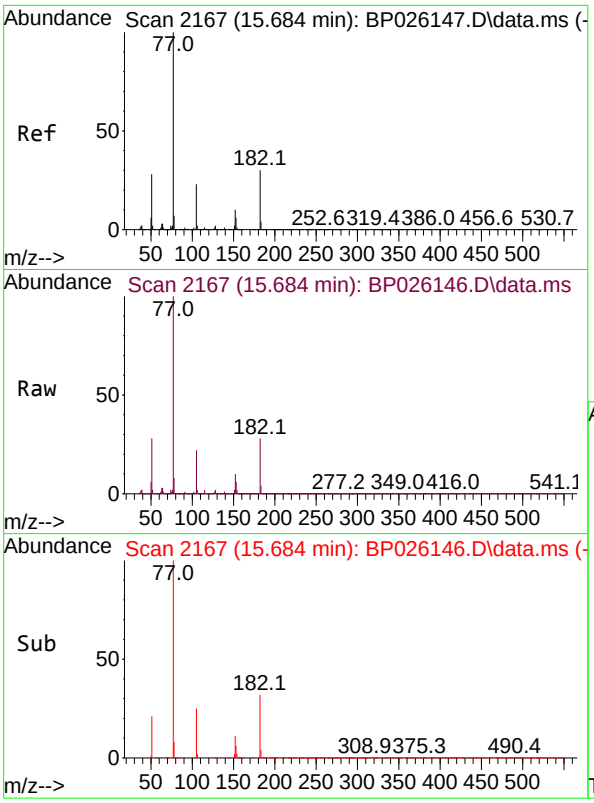


#62
4-Nitroaniline
Concen: 25.224 ng
RT: 15.390 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:138 Resp: 319109

Ion	Ratio	Lower	Upper
138	100		
92	47.6	27.5	67.5
108	71.2	51.1	91.1

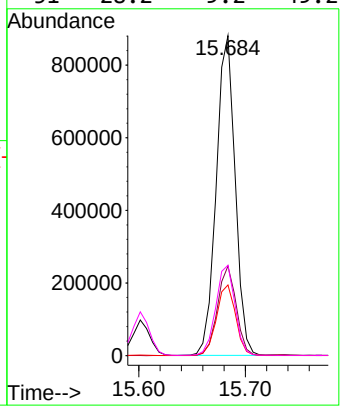




#63
Azobenzene
Concen: 20.545 ng
RT: 15.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion: 77 Resp: 108996

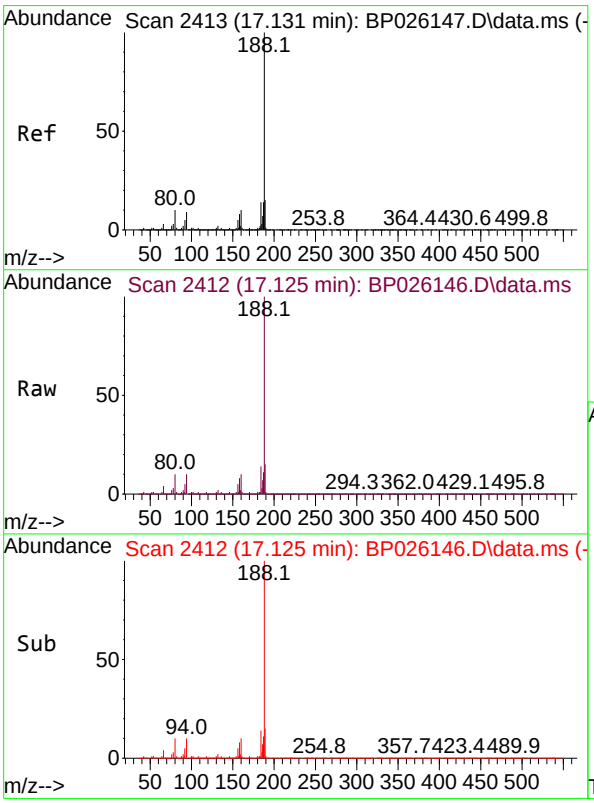
Ion	Ratio	Lower	Upper
77	100		
182	28.0	8.8	48.8
105	22.1	2.6	42.6
51	28.2	9.2	49.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

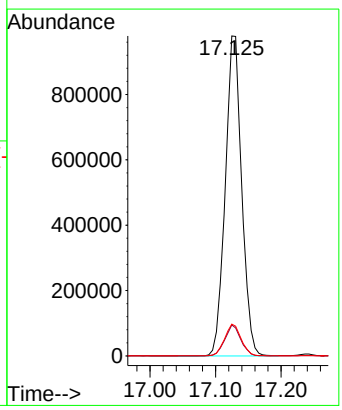
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

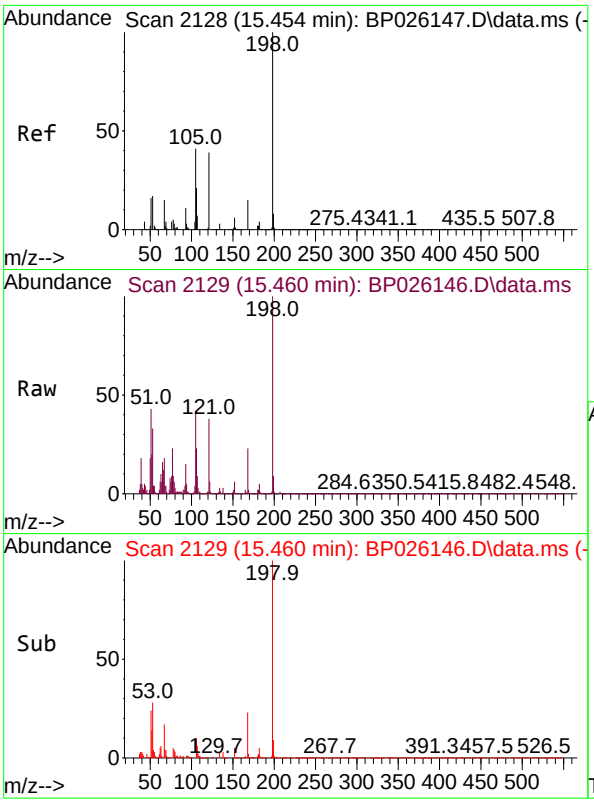


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:188 Resp: 1709036

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	9.9	8.2	12.2

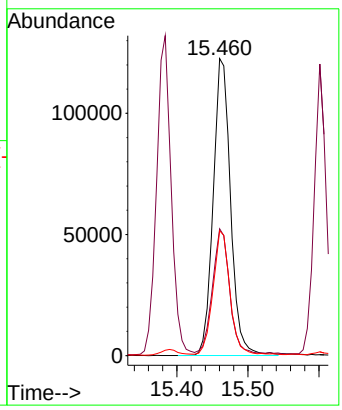




#65
4,6-Dinitro-2-methylphenol
Concen: 28.706 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:198 Resp: 20940

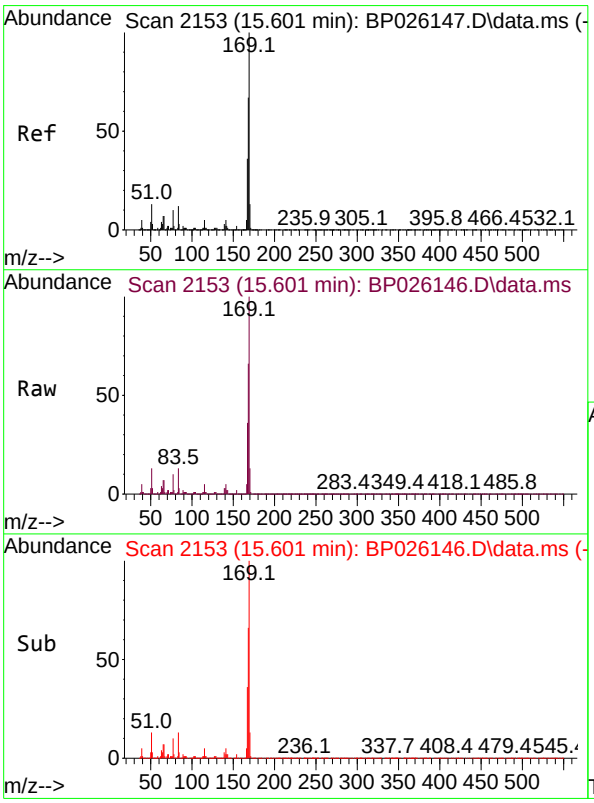
Ion	Ratio	Lower	Upper
198	100		
51	42.7	18.4	58.4
105	42.1	18.5	58.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

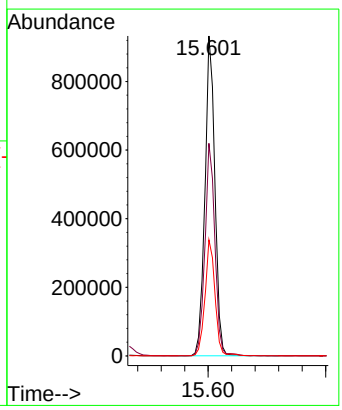
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

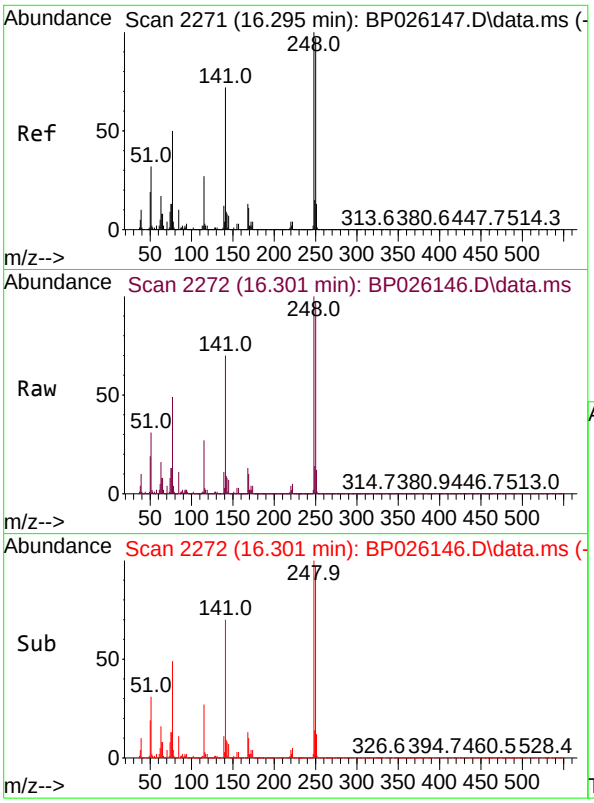


#66
n-Nitrosodiphenylamine
Concen: 20.565 ng
RT: 15.601 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:169 Resp: 1094982

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.1	79.7
167	36.3	28.9	43.3

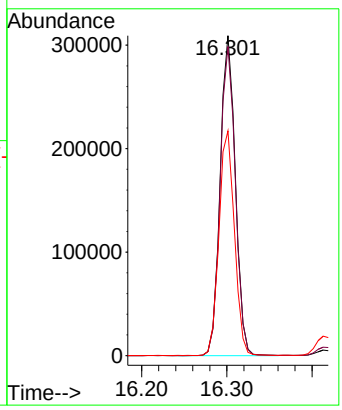




#67
4-Bromophenyl-phenylether
Concen: 20.120 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:248 Resp: 38173

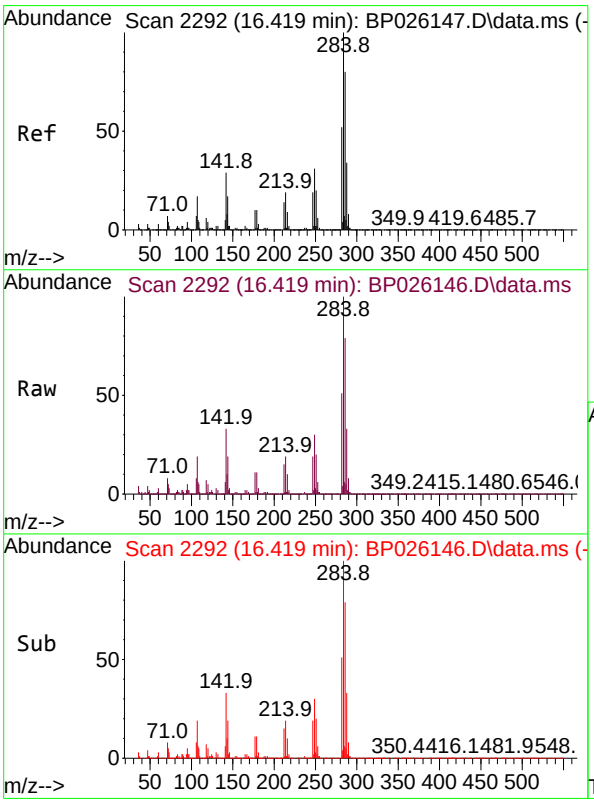
Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.8	116.6
141	70.2	55.4	83.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

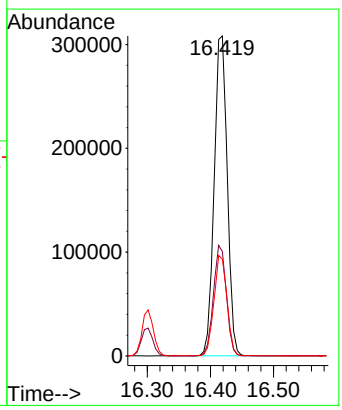
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

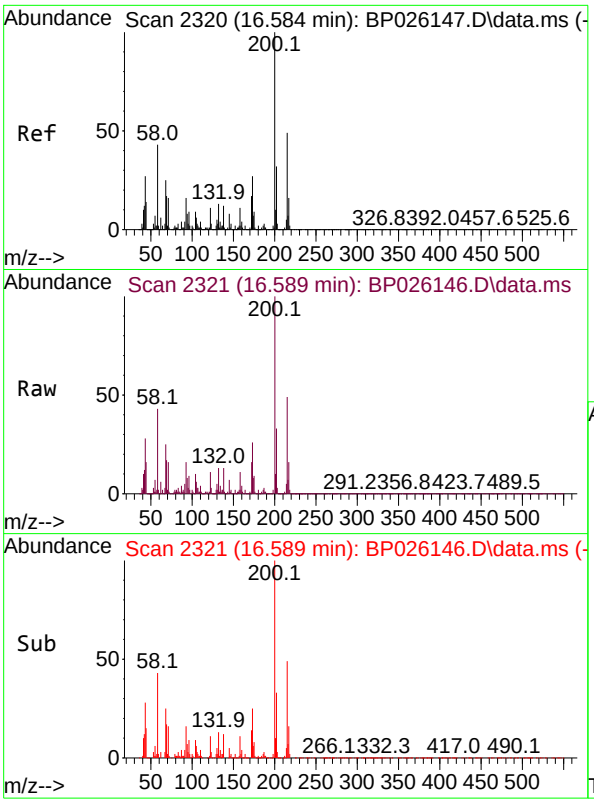


#68
Hexachlorobenzene
Concen: 20.559 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:284 Resp: 443742

Ion	Ratio	Lower	Upper
284	100		
142	32.6	28.0	42.0
249	30.2	25.0	37.4

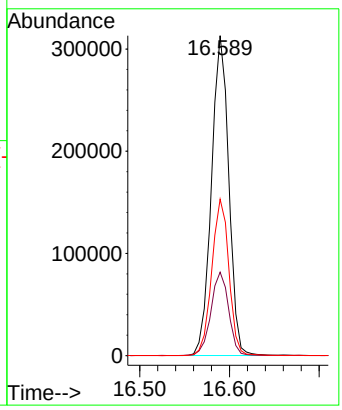




#69
Atrazine
Concen: 23.144 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:200 Resp: 42245

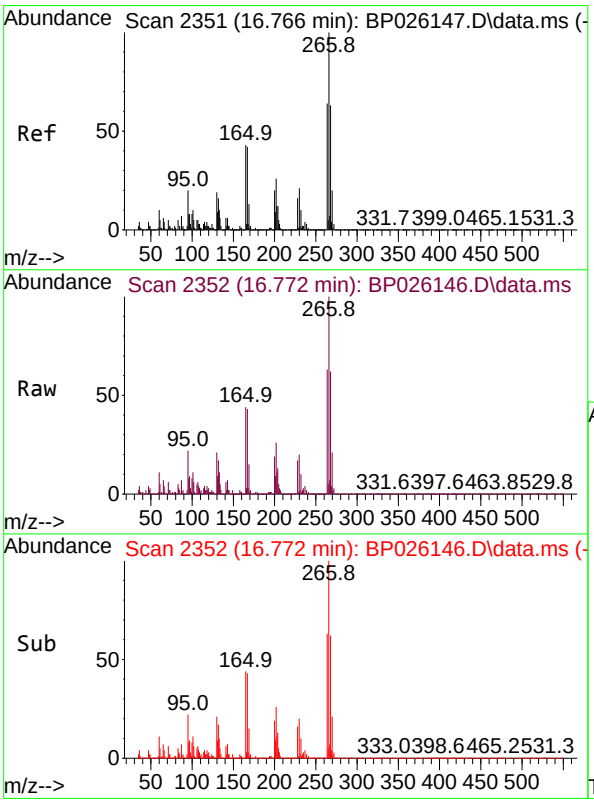
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	48.9	27.4	67.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

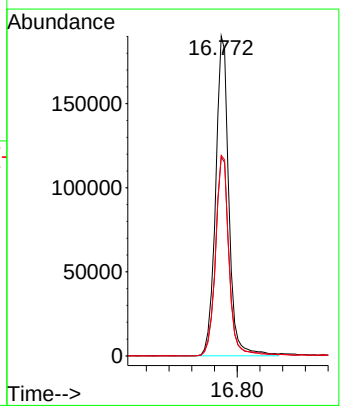
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

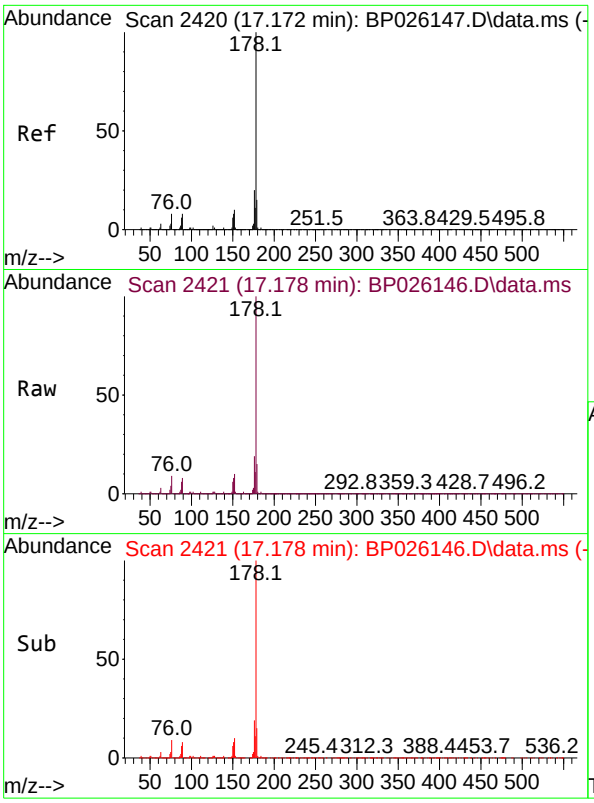


#70
Pentachlorophenol
Concen: 22.793 ng
RT: 16.772 min Scan# 2352
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:266 Resp: 306483

Ion	Ratio	Lower	Upper
266	100		
268	62.1	51.0	76.4
264	62.7	50.2	75.2

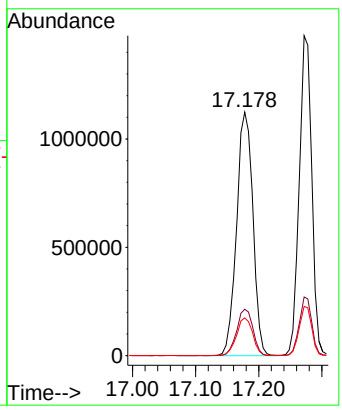




#71
Phenanthrene
Concen: 20.401 ng
RT: 17.178 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:178 Resp: 201434

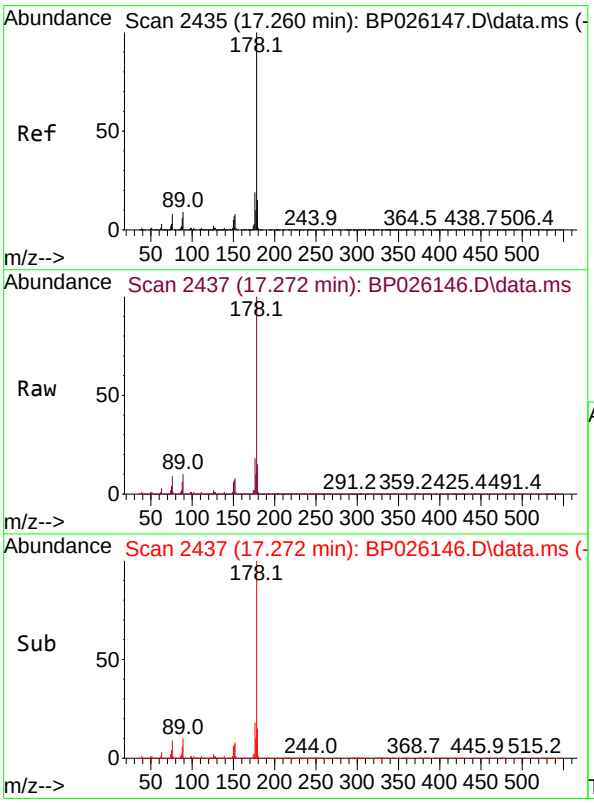
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

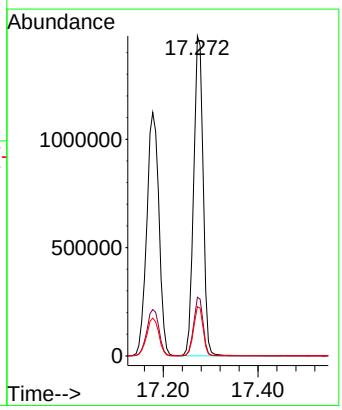
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

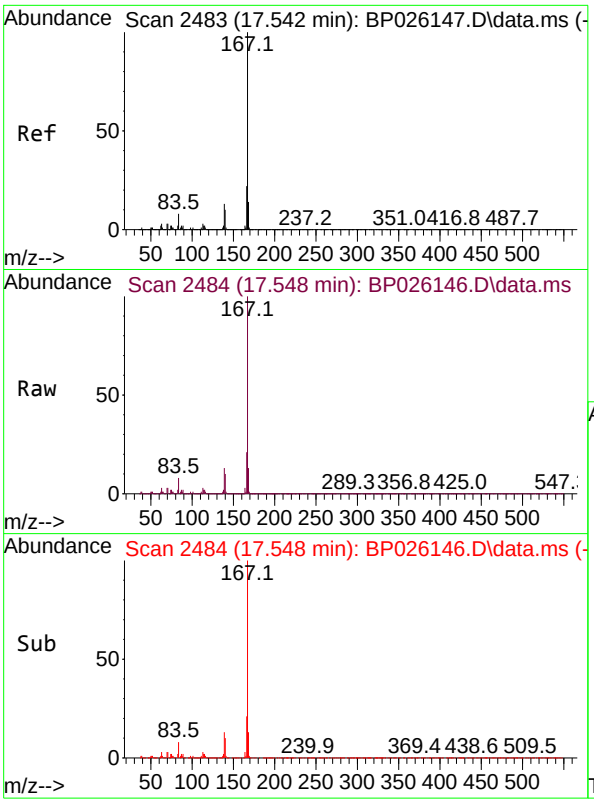


#72
Anthracene
Concen: 20.778 ng
RT: 17.272 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:178 Resp: 2046874

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.4	12.2	18.4

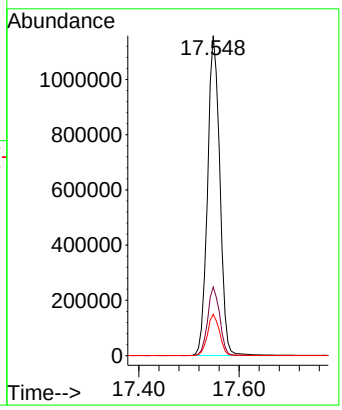




#73
Carbazole
Concen: 21.216 ng
RT: 17.548 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:167 Resp: 196683

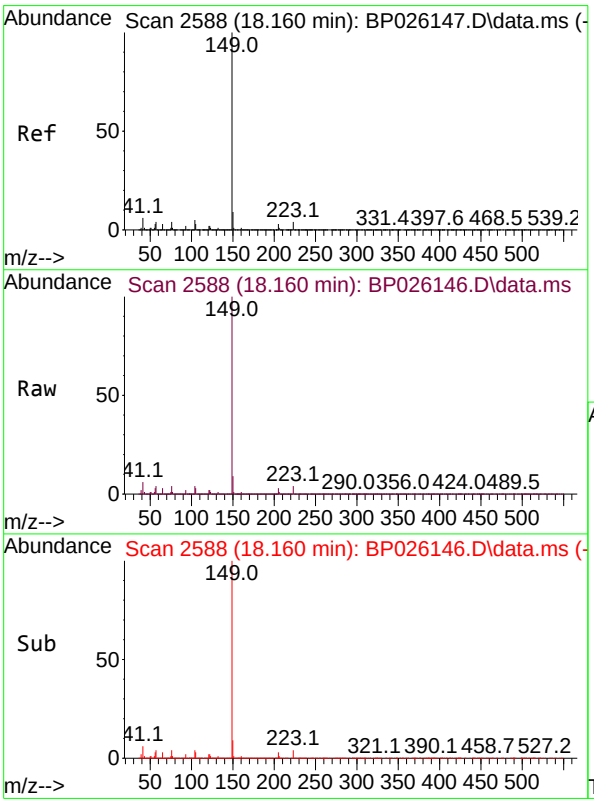
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.9	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

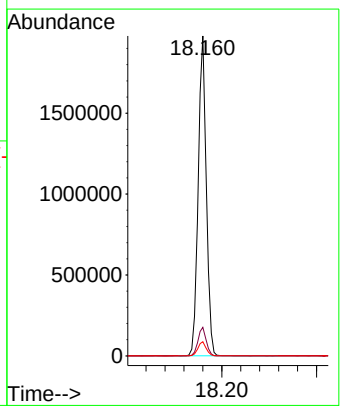
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

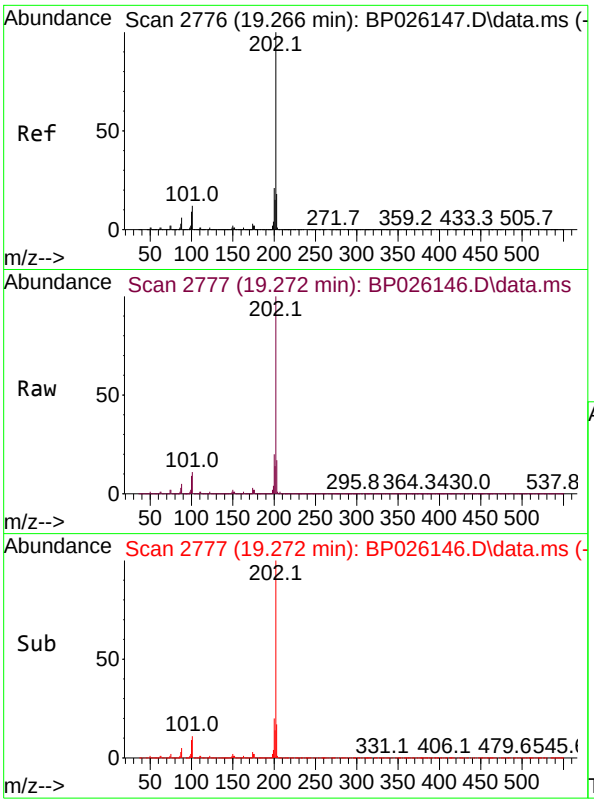


#74
Di-n-butylphthalate
Concen: 22.368 ng
RT: 18.160 min Scan# 2588
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:149 Resp: 2344972

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.4	3.6	5.4

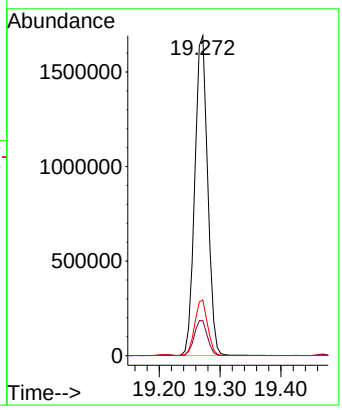




#75
Fluoranthene
Concen: 21.452 ng
RT: 19.272 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:202 Resp: 248205

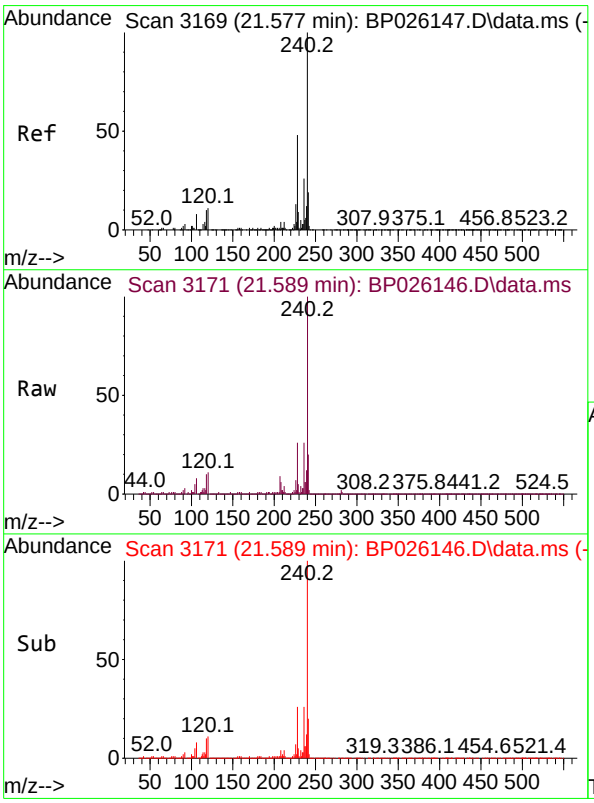
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.2
203	17.4	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

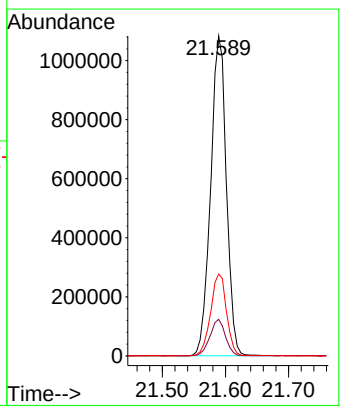
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

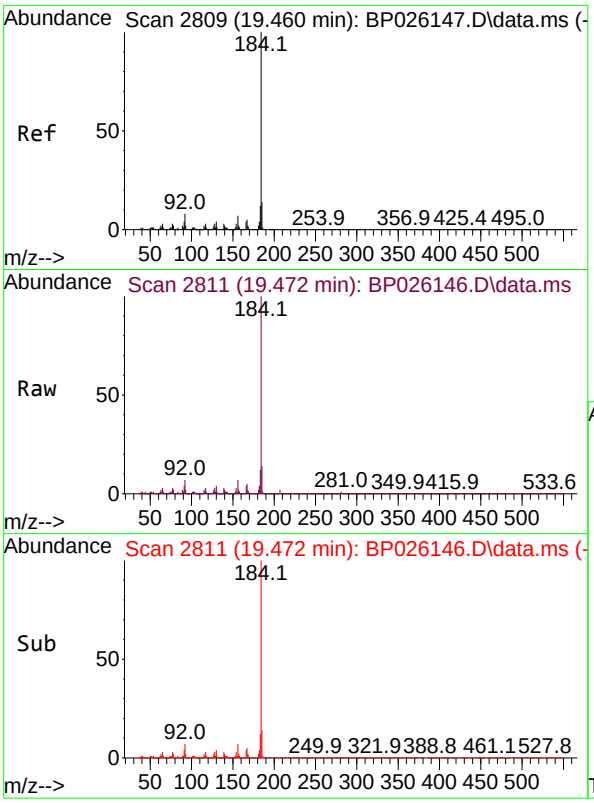


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.018 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:240 Resp: 1880769

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	25.6	20.4	30.6

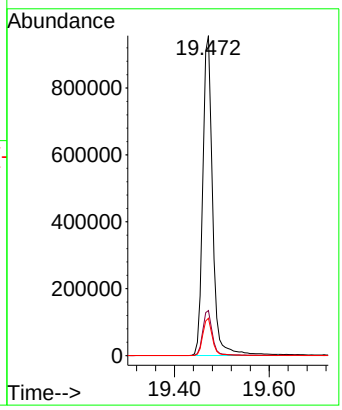




#77
Benzidine
Concen: 27.923 ng
RT: 19.472 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:184 Resp: 137903

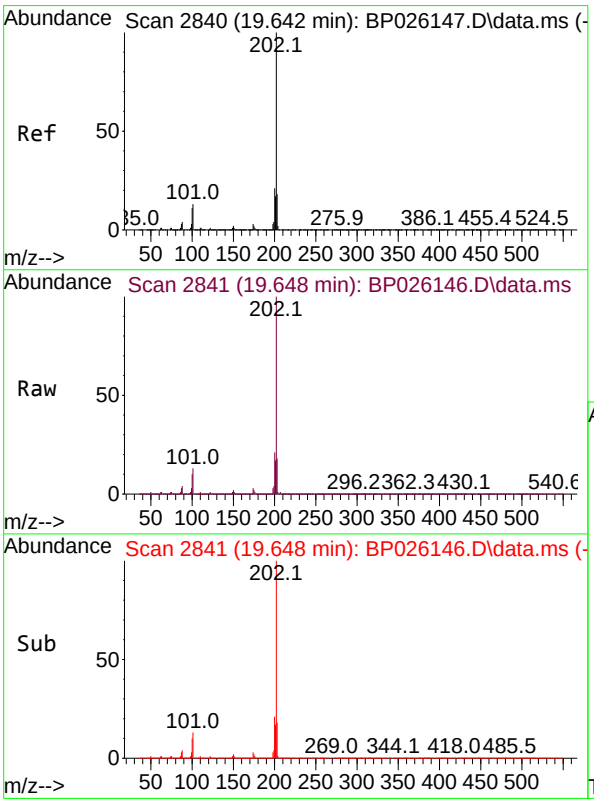
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.7	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

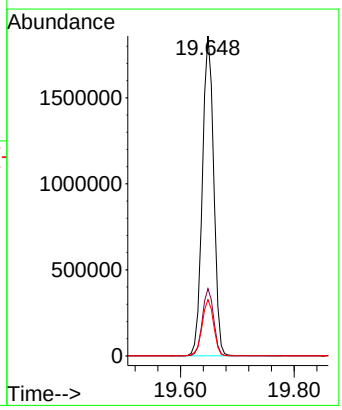
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

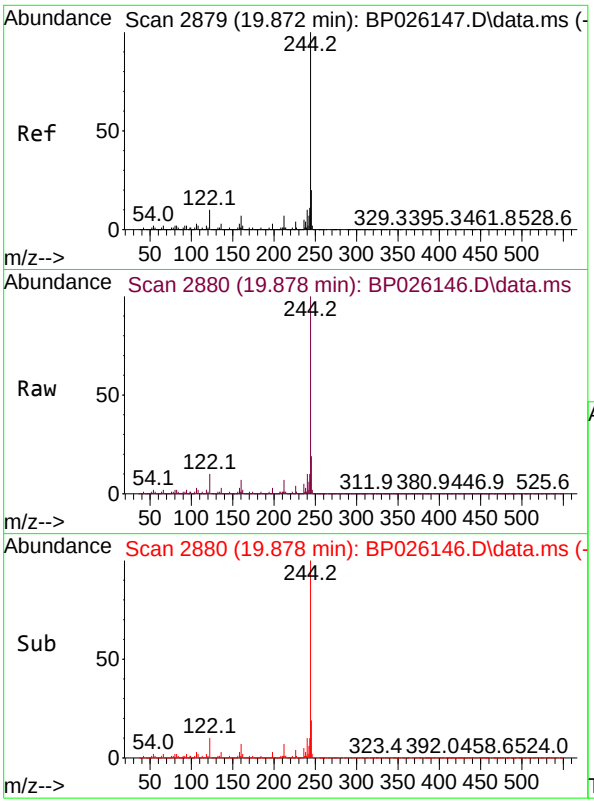


#78
Pyrene
Concen: 20.591 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:202 Resp: 2586291

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	13.8	20.8





#79
Terphenyl-d14
Concen: 43.268 ng
RT: 19.878 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

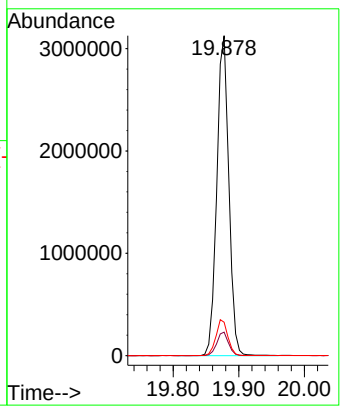
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

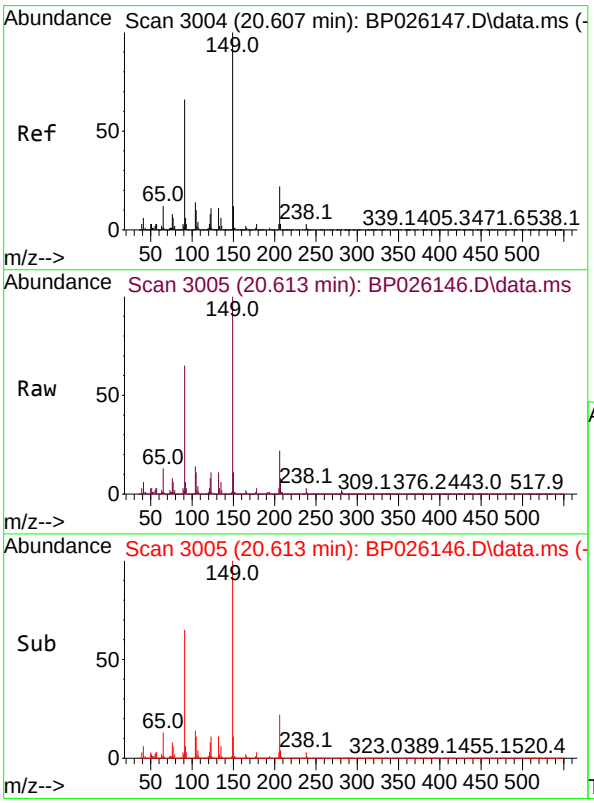
Tgt Ion:244 Resp: 399061

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.4	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

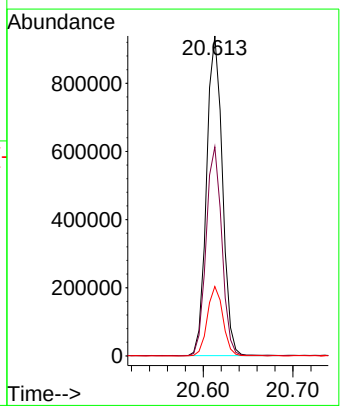


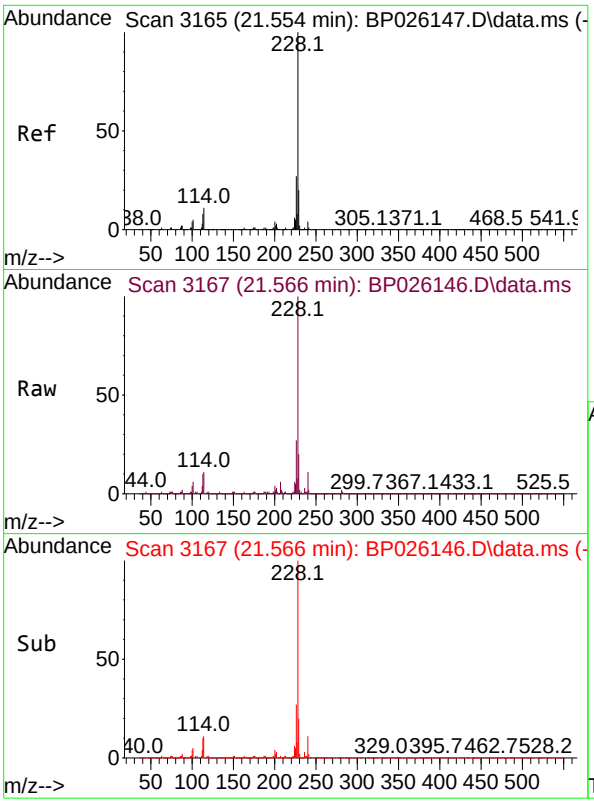


#80
Butylbenzylphthalate
Concen: 27.342 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:149 Resp: 1151348

Ion	Ratio	Lower	Upper
149	100		
91	65.3	52.6	79.0
206	21.7	16.9	25.3

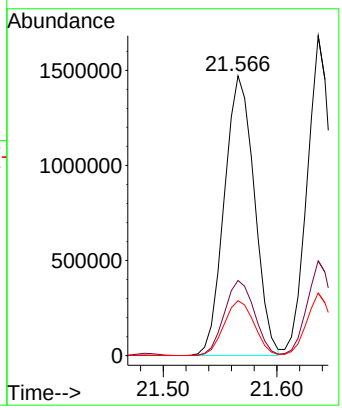




#81
Benzo(a)anthracene
Concen: 21.043 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:228 Resp: 270257

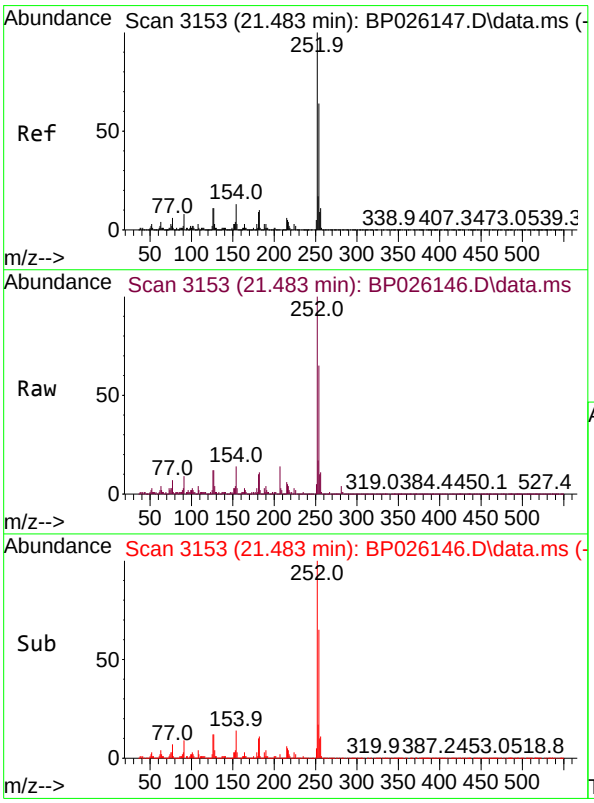
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

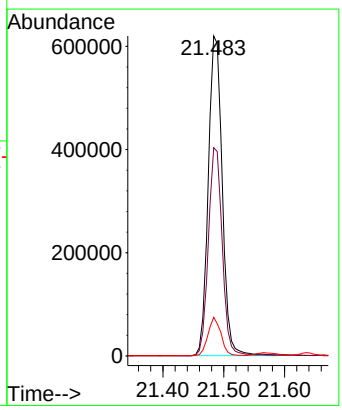
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

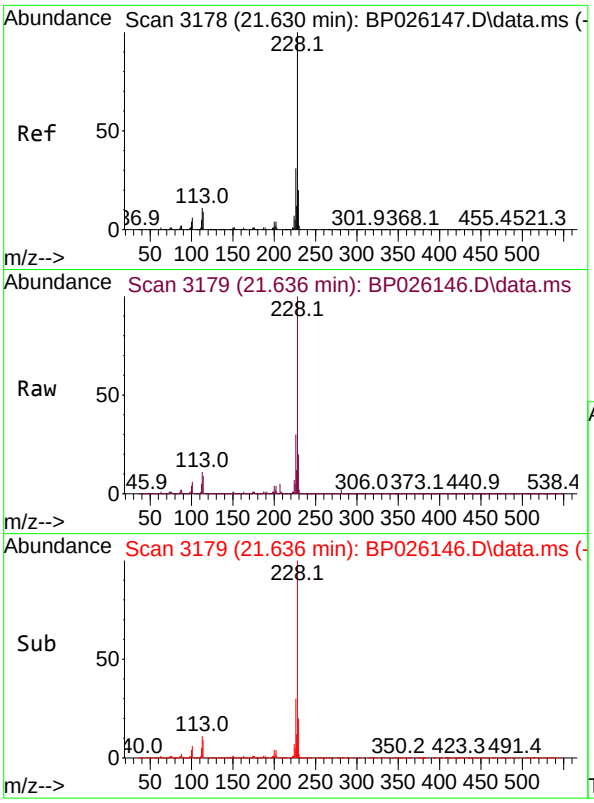


#82
3,3'-Dichlorobenzidine
Concen: 23.394 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:252 Resp: 989512

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.2	76.8
126	12.1	8.2	12.4

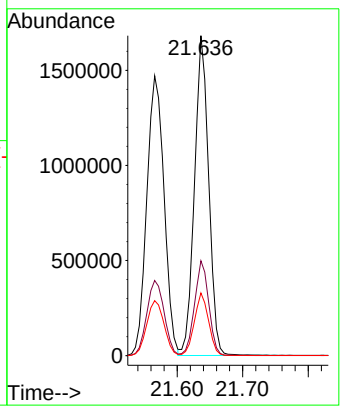




#83
Chrysene
Concen: 20.723 ng
RT: 21.636 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:228 Resp: 252276

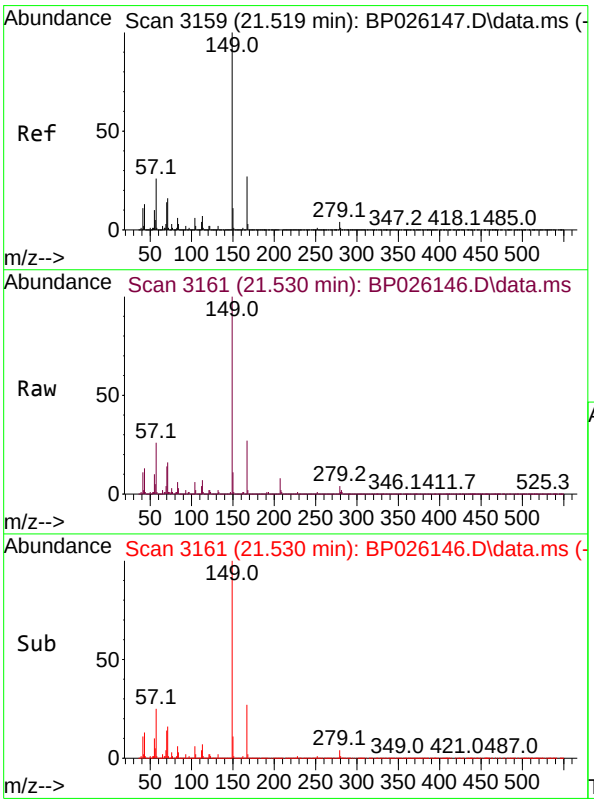
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	19.6	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

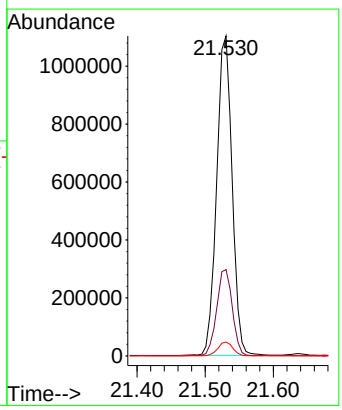
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

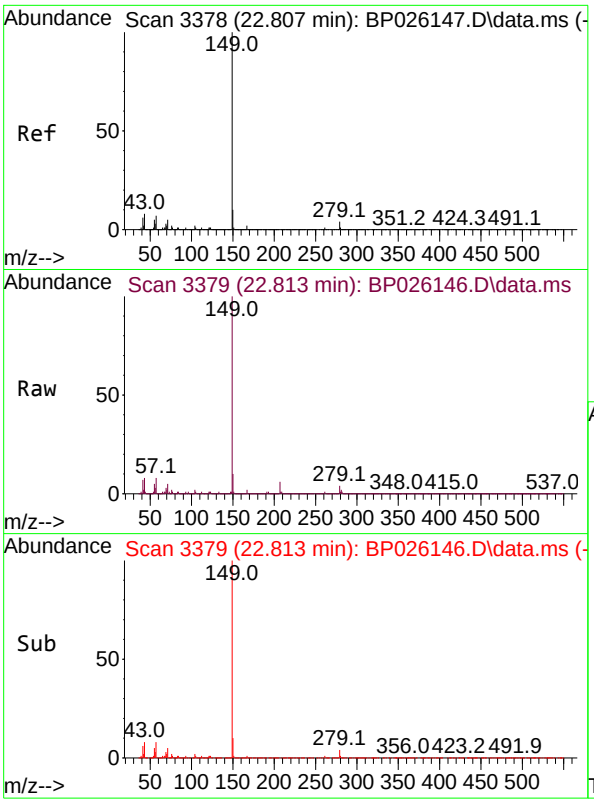


#84
Bis(2-ethylhexyl)phthalate
Concen: 25.069 ng
RT: 21.530 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:149 Resp: 1726261

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.1	33.1
279	4.3	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 25.198 ng
RT: 22.813 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

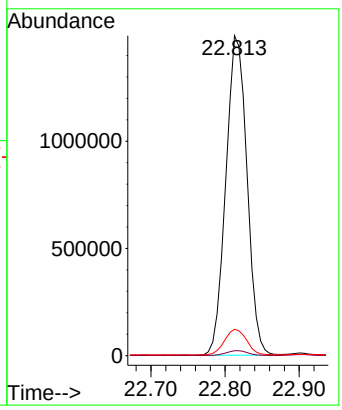
Tgt Ion:149 Resp: 295656

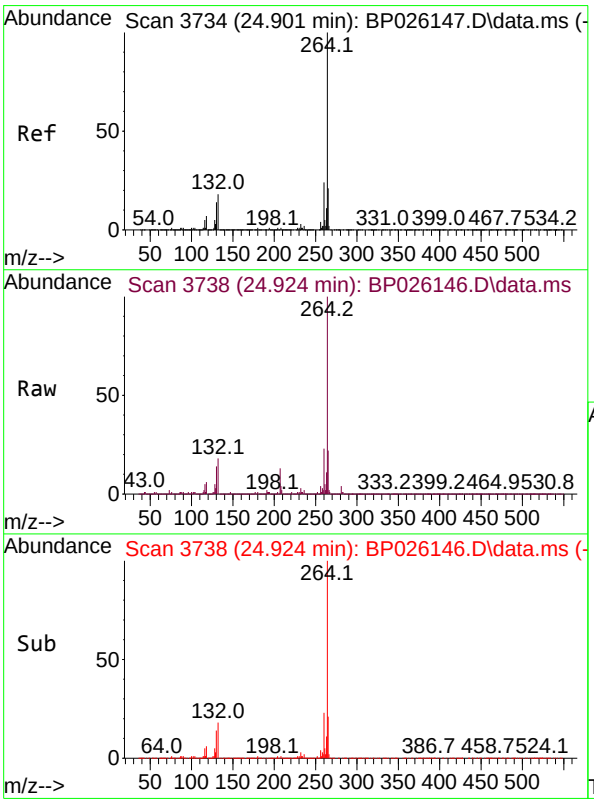
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.3	6.6	10.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

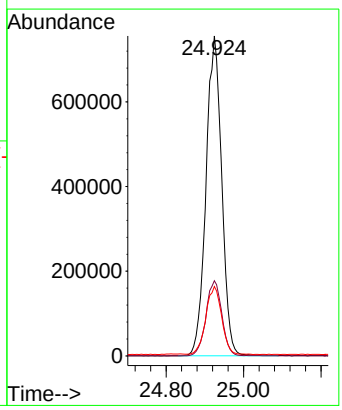


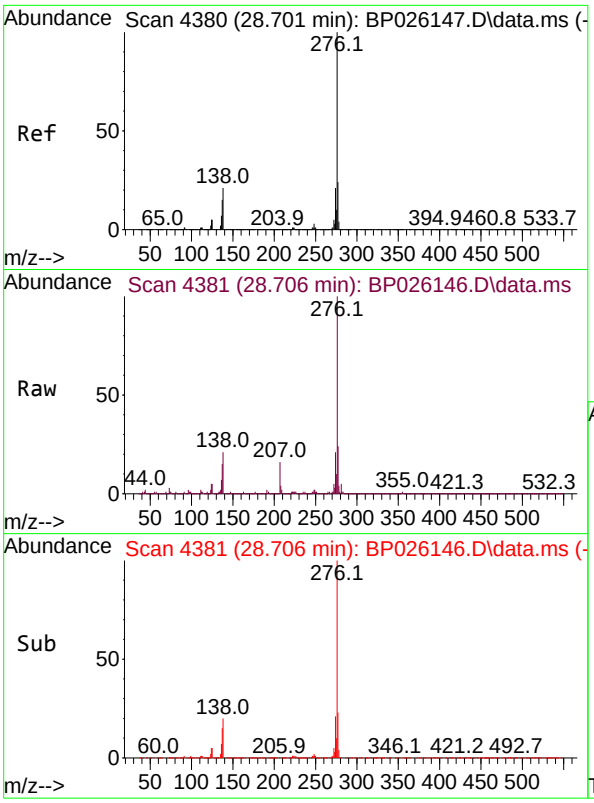


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.924 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:264 Resp: 2127701

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.7	17.5	26.3

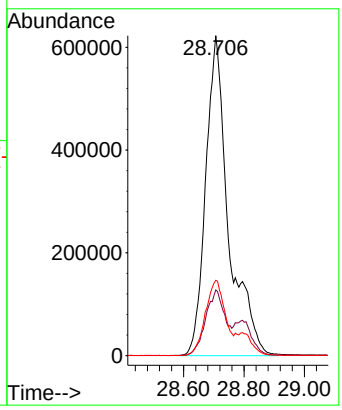




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.969 ng m
RT: 28.706 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:276 Resp: 327329

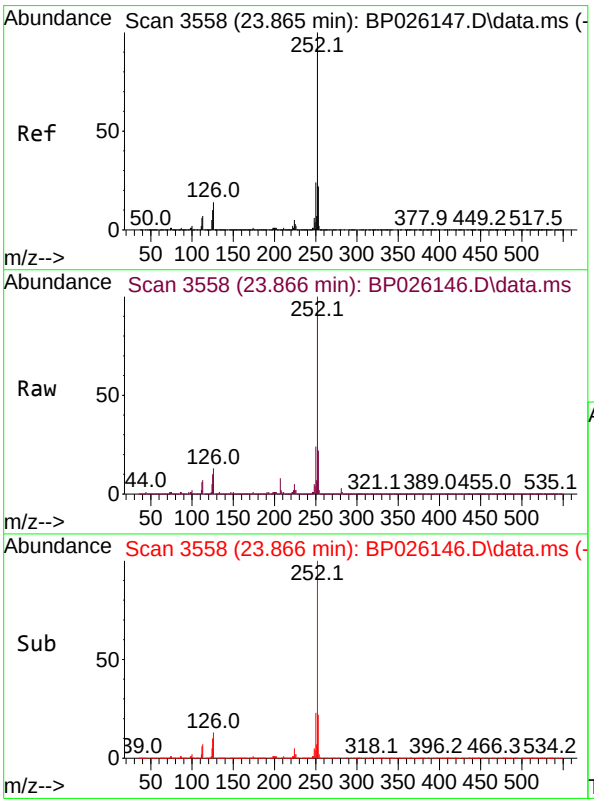
Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.8	20.8
277	20.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

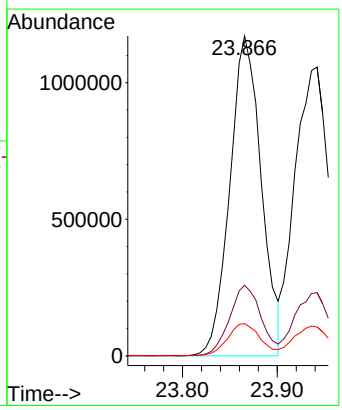
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

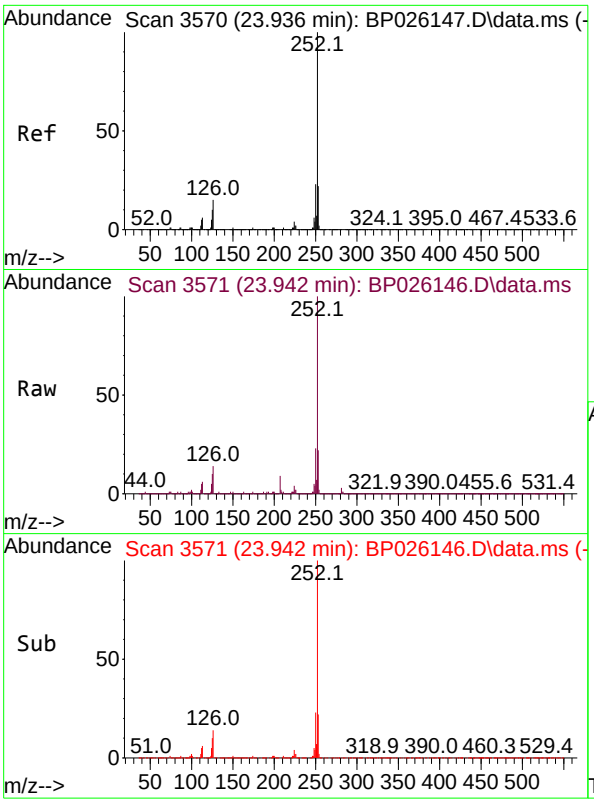


#88
Benzo(b)fluoranthene
Concen: 20.722 ng
RT: 23.866 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:252 Resp: 2704711

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 20.326 ng
RT: 23.942 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

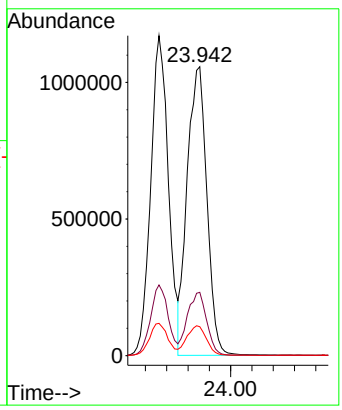
Tgt Ion:252 Resp: 271239

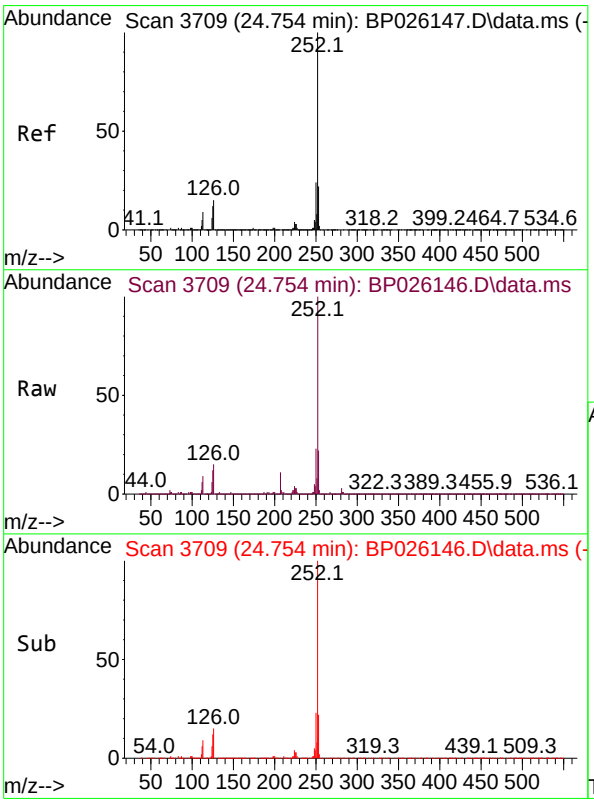
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.0	7.5	11.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

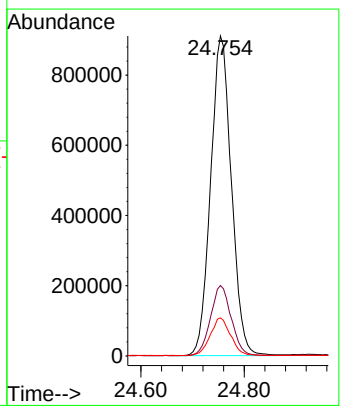


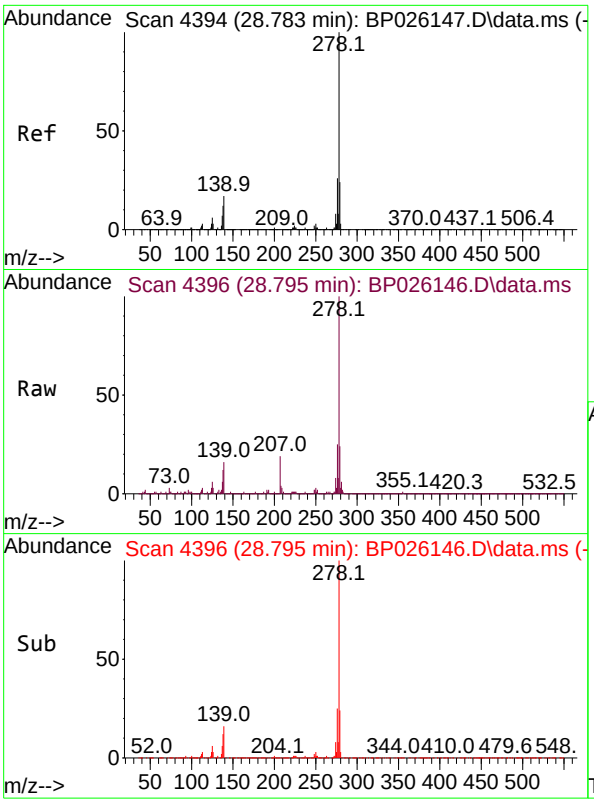


#90
Benzo(a)pyrene
Concen: 21.125 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:252 Resp: 2549616

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.9	9.0	13.6

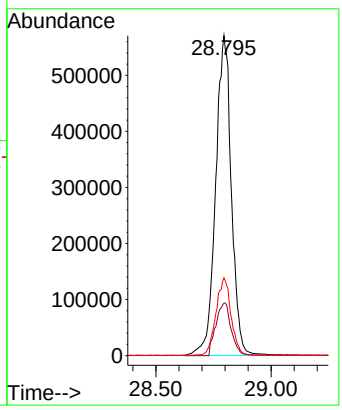




#91
Dibenzo(a,h)anthracene
Concen: 21.306 ng
RT: 28.795 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:278 Resp: 271173

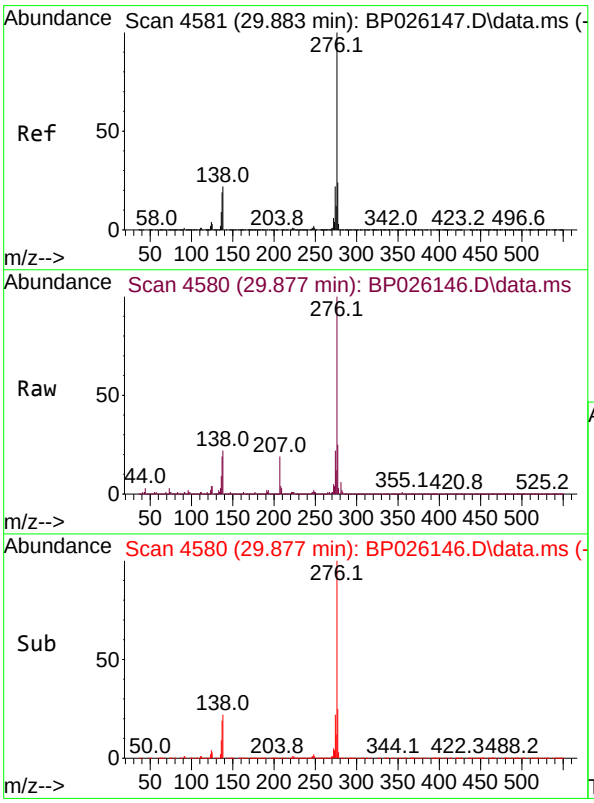
Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.2	19.8
279	24.3	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

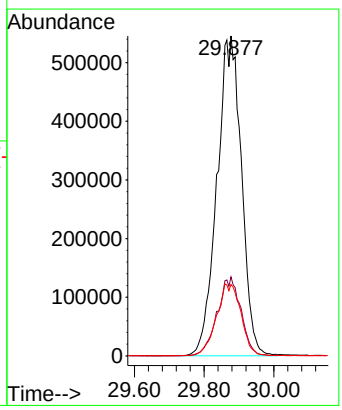
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 21.686 ng m
RT: 29.877 min Scan# 4580
Delta R.T. -0.006 min
Lab File: BP026146.D
Acq: 18 Nov 2025 16:35

Tgt Ion:276 Resp: 2666038

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	22.3	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026147.D
Acq On : 18 Nov 2025 17:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:14:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	337271	20.000	ng	0.00
21) Naphthalene-d8	10.443	136	1420937	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	933300	20.000	ng	-0.01
64) Phenanthrene-d10	17.131	188	1878028	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1999579	20.000	ng	0.00
86) Perylene-d12	24.901	264	2243799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1679294	79.895	ng	0.00
7) Phenol-d6	6.855	99	2181293	81.447	ng	0.00
23) Nitrobenzene-d5	8.813	82	2018895	80.578	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	985641	81.498	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4991155	78.020	ng	-0.01
79) Terphenyl-d14	19.872	244	7922015	80.792	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.220	88	328478	38.414	ng	100
3) Pyridine	3.614	79	974704	39.541	ng	98
4) n-Nitrosodimethylamine	3.519	42	364054	39.627	ng	96
6) Aniline	7.008	93	1431502	40.575	ng	98
8) 2-Chlorophenol	7.243	128	964995	40.369	ng	99
9) Benzaldehyde	6.819	77	622134	53.939	ng	99
10) Phenol	6.878	94	1177853	40.869	ng	99
11) bis(2-Chloroethyl)ether	7.102	93	917778	40.811	ng	99
12) 1,3-Dichlorobenzene	7.560	146	1028799	39.968	ng	99
13) 1,4-Dichlorobenzene	7.708	146	1038752	40.071	ng	99
14) 1,2-Dichlorobenzene	8.019	146	997382	39.996	ng	99
15) Benzyl Alcohol	7.908	79	800974	40.874	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.196	45	1291371	40.615	ng	99
17) 2-Methylphenol	8.113	107	806245	41.076	ng	100
18) Hexachloroethane	8.743	117	380794	40.305	ng	99
19) n-Nitroso-di-n-propyla...	8.472	70	690711	41.414	ng	99
20) 3+4-Methylphenols	8.437	107	1095272	40.127	ng	98
22) Acetophenone	8.484	105	1439776	39.828	ng	100
24) Nitrobenzene	8.855	77	1020382	40.240	ng	99
25) Isophorone	9.384	82	2017328	40.551	ng	99
26) 2-Nitrophenol	9.554	139	537109	42.012	ng	99
27) 2,4-Dimethylphenol	9.625	122	932722	40.271	ng	99
28) bis(2-Chloroethoxy)met...	9.860	93	1247327	40.045	ng	99
29) 2,4-Dichlorophenol	10.096	162	940122	40.740	ng	99
30) 1,2,4-Trichlorobenzene	10.307	180	938571	39.912	ng	99
31) Naphthalene	10.496	128	3048677	39.513	ng	99
32) Benzoic acid	9.772	122	784823	42.116	ng	97
33) 4-Chloroaniline	10.596	127	1340270	40.923	ng	99
34) Hexachlorobutadiene	10.784	225	610384	39.893	ng	99
35) Caprolactam	11.384	113	333785	40.168	ng	97
36) 4-Chloro-3-methylphenol	11.725	107	1006010	40.975	ng	99
37) 2-Methylnaphthalene	12.107	142	2196657	40.223	ng	100
38) 1-Methylnaphthalene	12.331	142	2167022	40.554	ng	99
40) 1,2,4,5-Tetrachloroben...	12.478	216	1113781	39.601	ng	100
41) Hexachlorocyclopentadiene	12.466	237	739123	40.264	ng	100
43) 2,4,6-Trichlorophenol	12.719	196	783545	40.484	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026147.D
Acq On : 18 Nov 2025 17:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 01:14:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.795	196	871078	40.362	ng	99
46)	1,1'-Biphenyl	13.131	154	2780286	39.689	ng	99
47)	2-Chloronaphthalene	13.166	162	2182735	39.633	ng	99
48)	2-Nitroaniline	13.366	65	630592	41.000	ng	95
49)	Acenaphthylene	14.025	152	3633847	39.879	ng	100
50)	Dimethylphthalate	13.760	163	2788637	40.098	ng	100
51)	2,6-Dinitrotoluene	13.878	165	588736	42.806	ng	95
52)	Acenaphthene	14.372	154	2124219	39.859	ng	99
53)	3-Nitroaniline	14.207	138	675665	41.586	ng	99
54)	2,4-Dinitrophenol	14.413	184	346832	42.038	ng	98
55)	Dibenzofuran	14.713	168	3294100	39.554	ng	99
56)	4-Nitrophenol	14.531	139	589592	39.974	ng	99
57)	2,4-Dinitrotoluene	14.678	165	871532	42.152	ng	96
58)	Fluorene	15.384	166	2576477	39.135	ng	100
59)	2,3,4,6-Tetrachlorophenol	14.954	232	746296	40.827	ng	100
60)	Diethylphthalate	15.160	149	2841743	40.313	ng	99
61)	4-Chlorophenyl-phenyle...	15.384	204	1293329	39.576	ng	96
62)	4-Nitroaniline	15.395	138	681705	40.085	ng	99
63)	Azobenzene	15.684	77	2408368	40.665	ng	99
65)	4,6-Dinitro-2-methylph...	15.454	198	503716	42.621	ng	95
66)	n-Nitrosodiphenylamine	15.601	169	2344222	40.344	ng	100
67)	4-Bromophenyl-phenylether	16.295	248	861696	41.519	ng	98
68)	Hexachlorobenzene	16.419	284	994319	41.466	ng	95
69)	Atrazine	16.584	200	893064	40.815	ng	99
70)	Pentachlorophenol	16.766	266	688877	40.947	ng	99
71)	Phenanthrene	17.172	178	4216157	39.682	ng	99
72)	Anthracene	17.260	178	4399641	40.544	ng	100
73)	Carbazole	17.542	167	4149841	40.424	ng	100
74)	Di-n-butylphthalate	18.160	149	5102416	41.877	ng	99
75)	Fluoranthene	19.266	202	5142583	39.601	ng	99
77)	Benzidine	19.460	184	2462804	40.014	ng	99
78)	Pyrene	19.642	202	5323064	40.857	ng	99
80)	Butylbenzylphthalate	20.607	149	2411743	41.564	ng	99
81)	Benzo(a)anthracene	21.554	228	5501277	40.116	ng	100
82)	3,3'-Dichlorobenzidine	21.483	252	2000641	40.145	ng	99
83)	Chrysene	21.630	228	5135129	39.774	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.519	149	3731352	42.841	ng	100
85)	Di-n-octyl phthalate	22.807	149	6322176	41.246	ng	100
87)	Indeno(1,2,3-cd)pyrene	28.701	276	6780312m	40.563	ng	
88)	Benzo(b)fluoranthene	23.865	252	5552010	40.699	ng	99
89)	Benzo(k)fluoranthene	23.936	252	5444576	39.935	ng	99
90)	Benzo(a)pyrene	24.754	252	5241553	40.506	ng	99
91)	Dibenzo(a,h)anthracene	28.783	278	5550506	40.515	ng	100
92)	Benzo(g,h,i)perylene	29.883	276	5486208	40.345	ng	100

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

ICAL Form

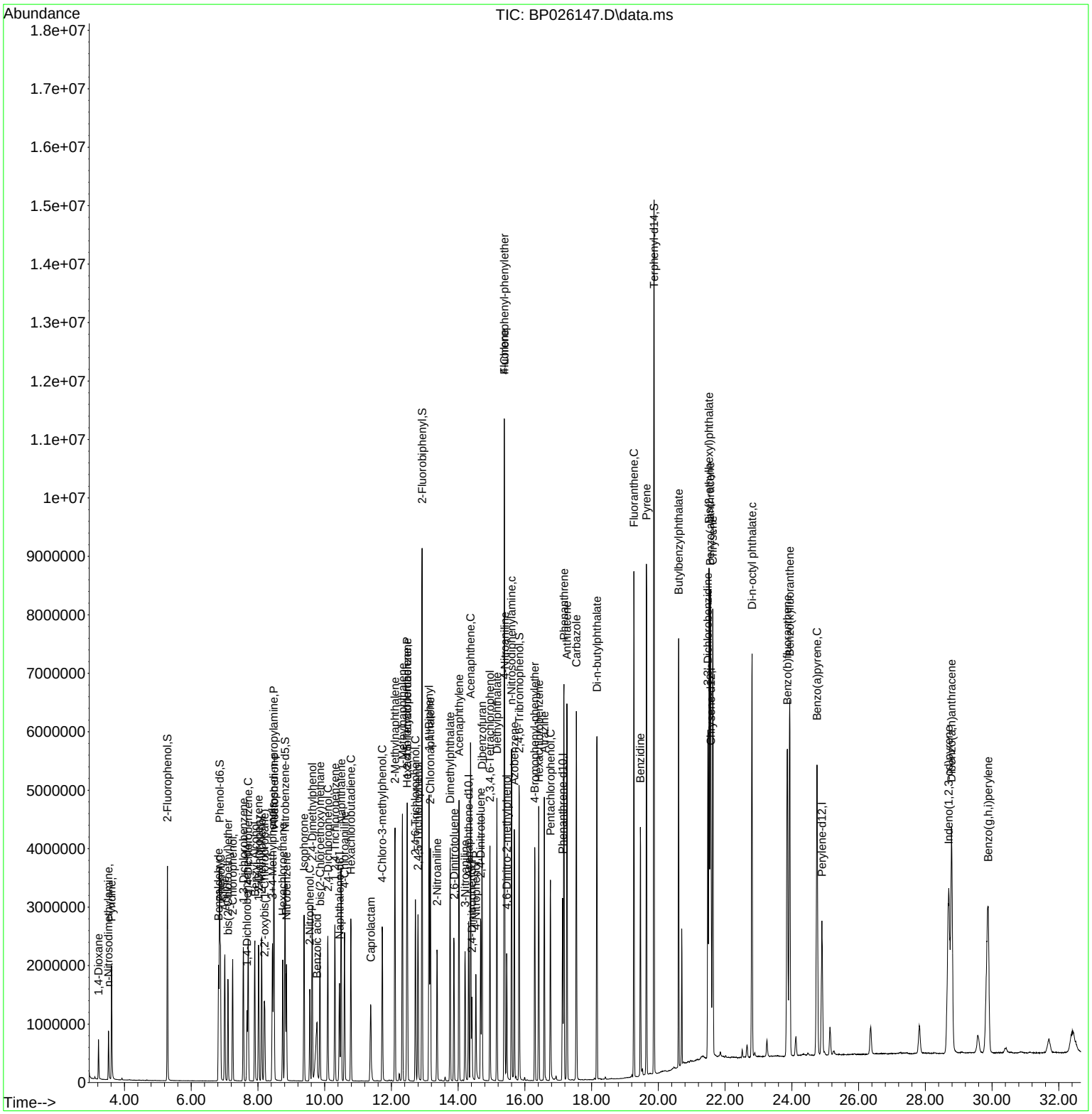
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026147.D
Acq On : 18 Nov 2025 17:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

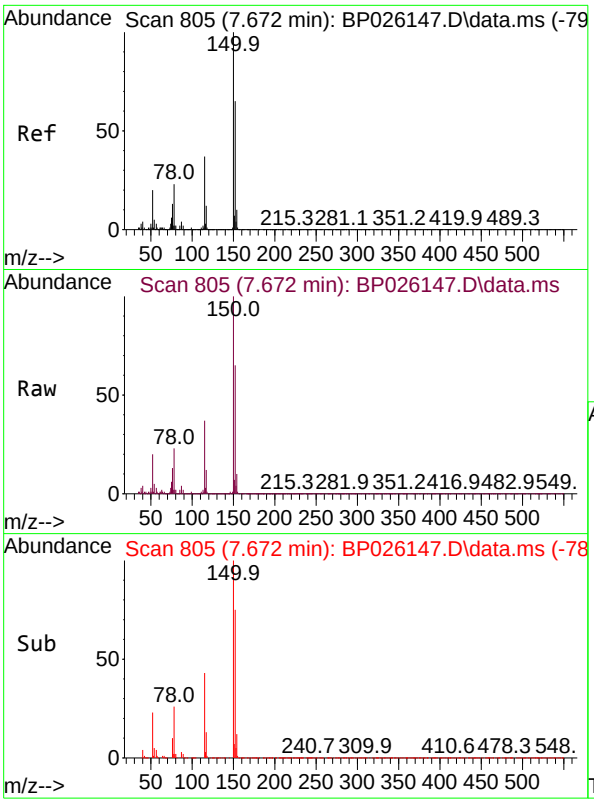
Quant Time: Nov 19 01:14:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

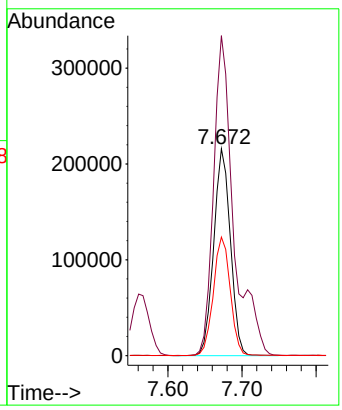




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:152 Resp: 33727

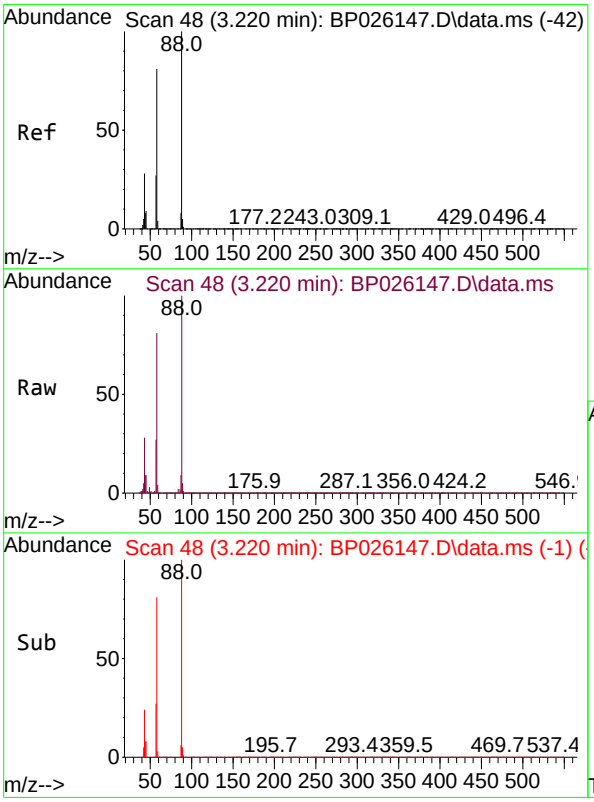
Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.6
115	57.3	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

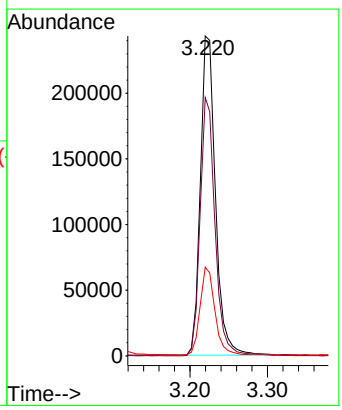
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

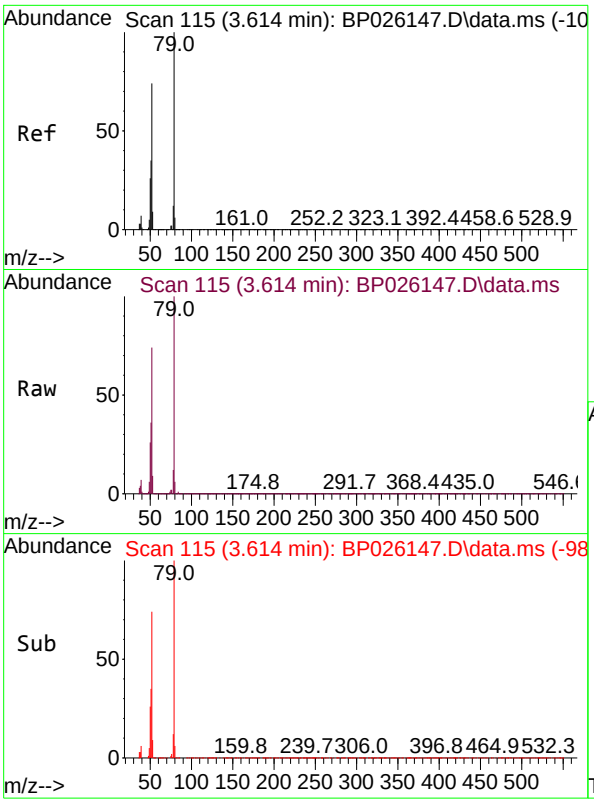


#2
1,4-Dioxane
Concen: 38.414 ng
RT: 3.220 min Scan# 48
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 88 Resp: 328478

Ion	Ratio	Lower	Upper
88	100		
58	80.0	64.2	96.4
43	26.9	21.5	32.3

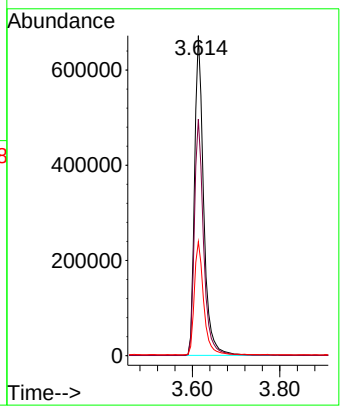




#3
Pyridine
Concen: 39.541 ng
RT: 3.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 79 Resp: 97470

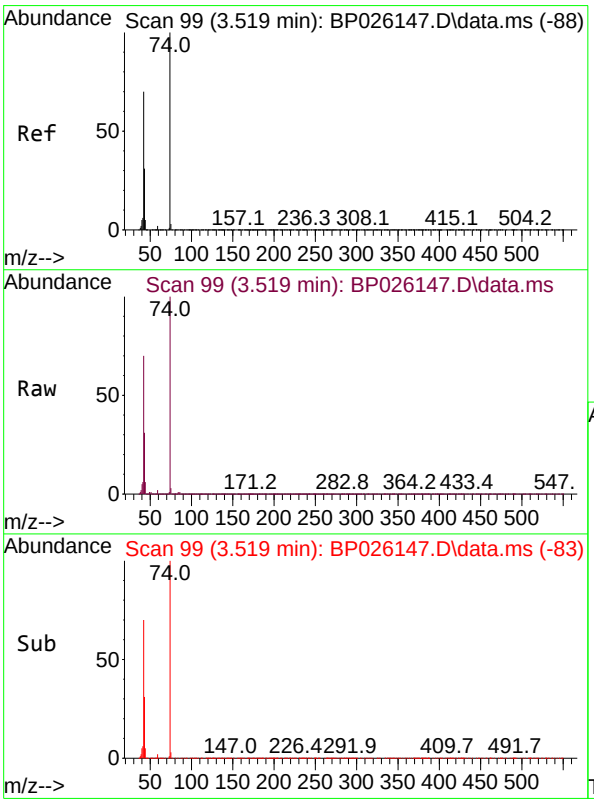
Ion	Ratio	Lower	Upper
79	100		
52	73.9	60.2	90.2
51	35.6	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

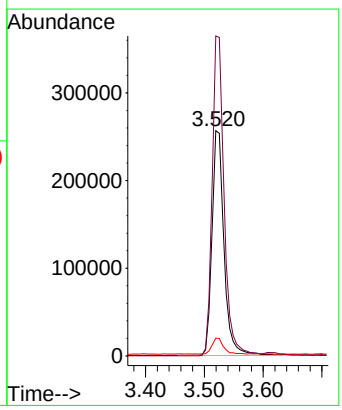
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

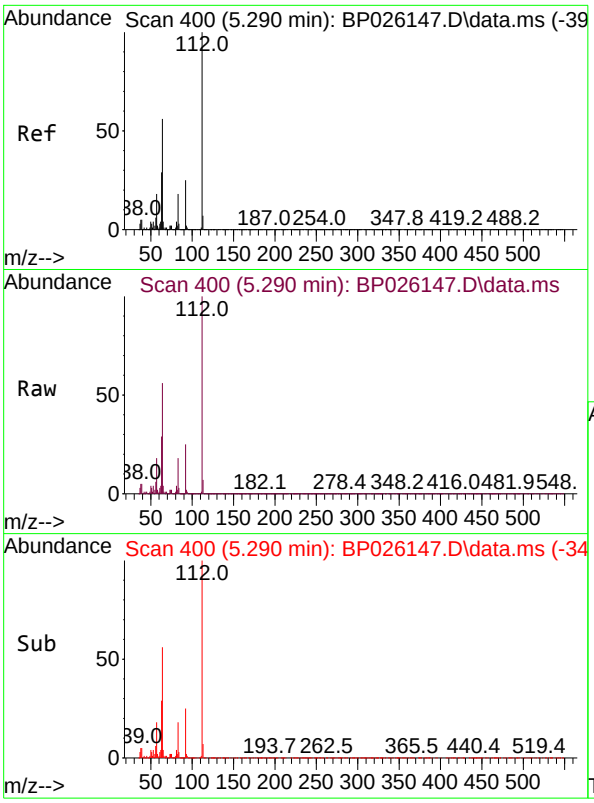


#4
n-Nitrosodimethylamine
Concen: 39.627 ng
RT: 3.519 min Scan# 99
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 42 Resp: 364054

Ion	Ratio	Lower	Upper
42	100		
74	142.1	118.1	177.1
44	7.9	6.2	9.4





#5
2-Fluorophenol
Concen: 79.895 ng
RT: 5.290 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

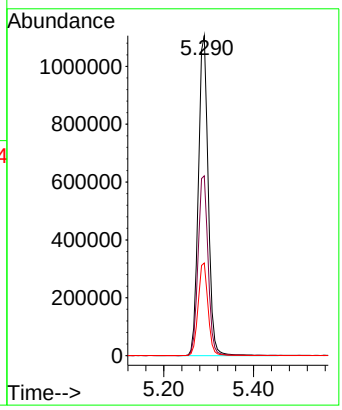
Tgt Ion:112 Resp: 167929

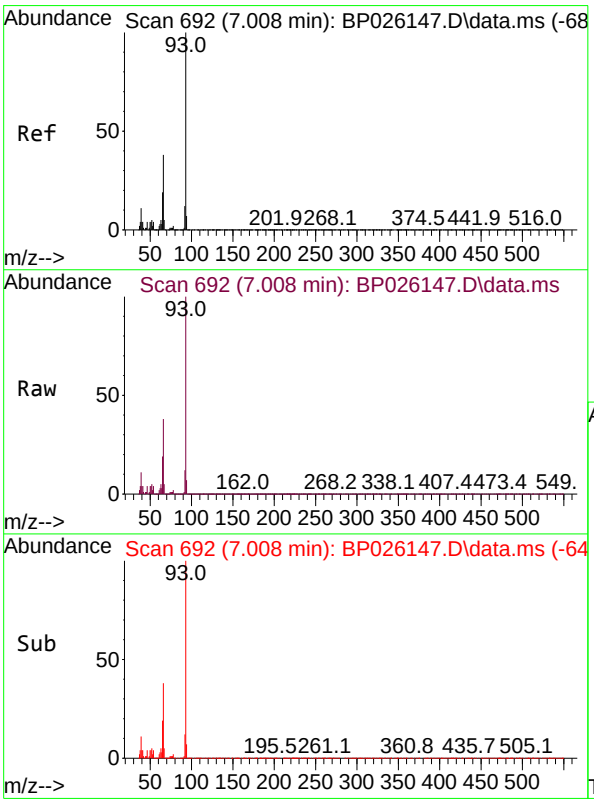
Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.8	68.6
63	29.0	23.5	35.3

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

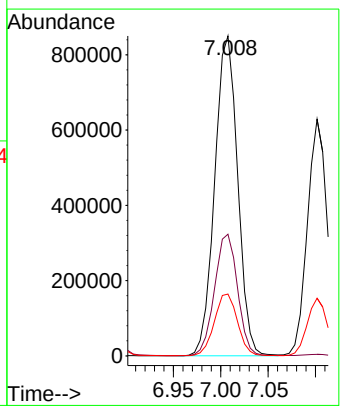


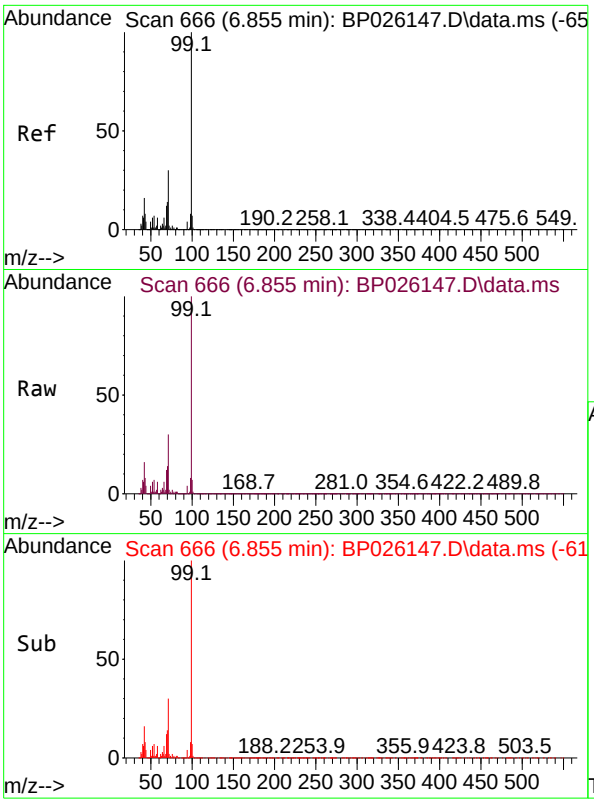


#6
Aniline
Concen: 40.575 ng
RT: 7.008 min Scan# 692
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 93 Resp: 1431502

Ion	Ratio	Lower	Upper
93	100		
66	38.0	31.7	47.5
65	19.3	15.8	23.6

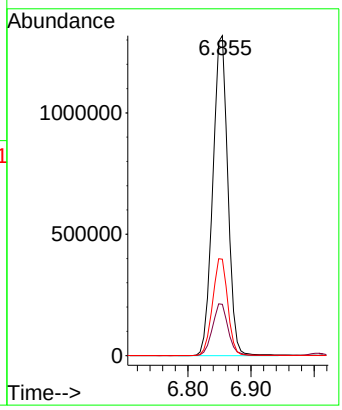




#7
Phenol-d6
Concen: 81.447 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 99 Resp: 218129

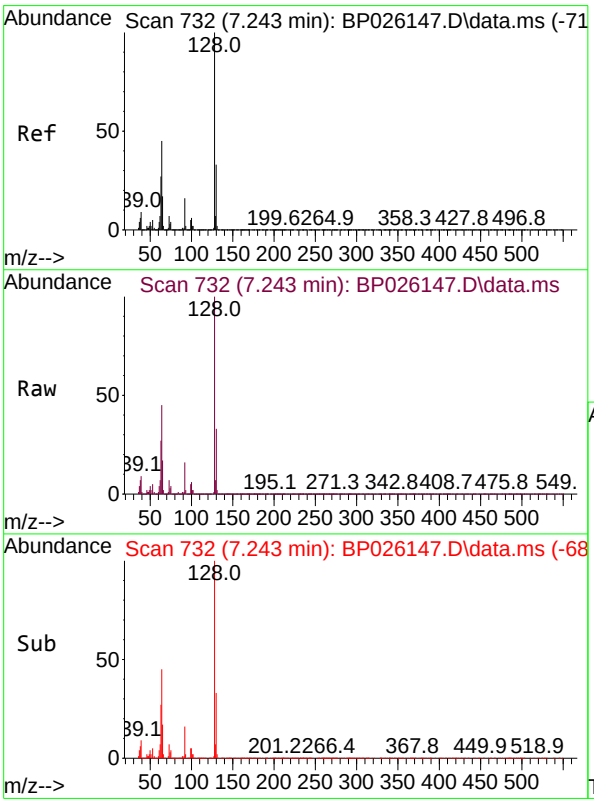
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.9	19.3
71	30.1	24.8	37.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

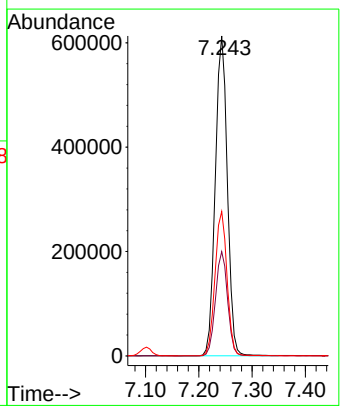
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

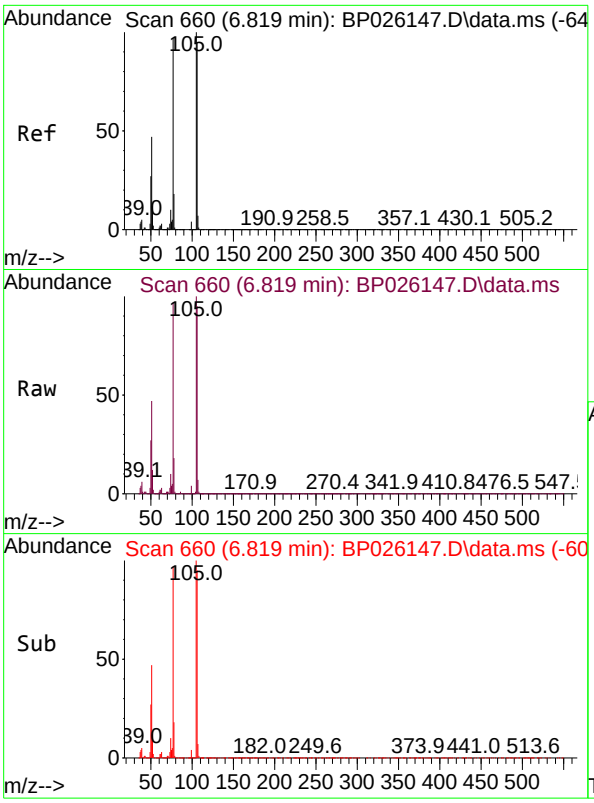


#8
2-Chlorophenol
Concen: 40.369 ng
RT: 7.243 min Scan# 732
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:128 Resp: 964995

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.4	52.4
64	45.2	23.9	63.9

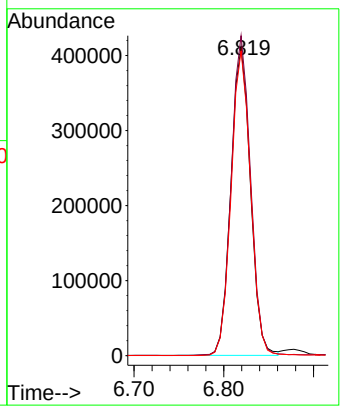




#9
Benzaldehyde
Concen: 53.939 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 77 Resp: 62213

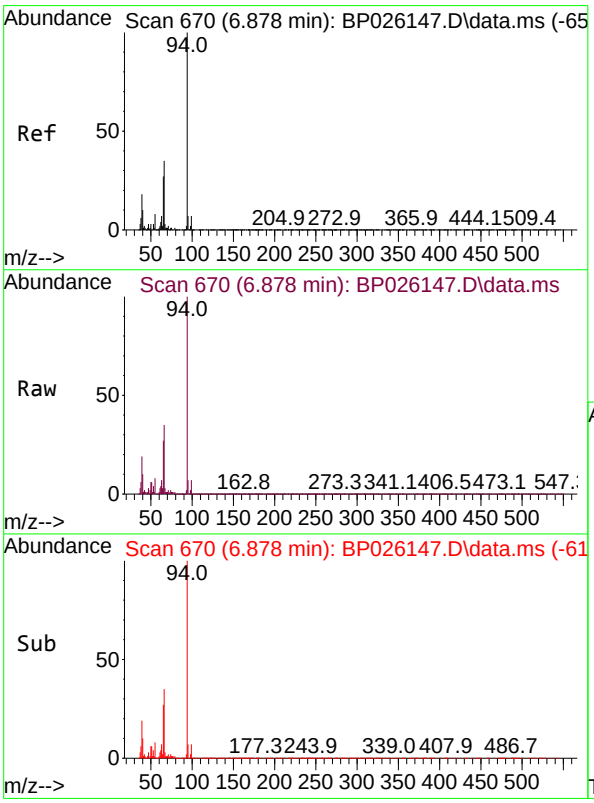
Ion	Ratio	Lower	Upper
77	100		
105	103.6	82.9	122.9
106	98.6	77.8	117.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

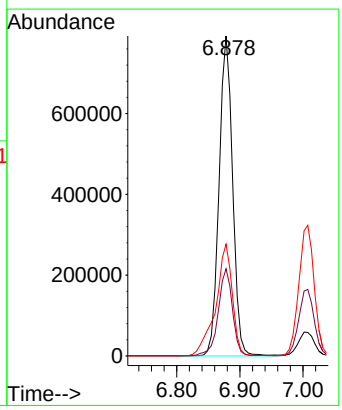
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

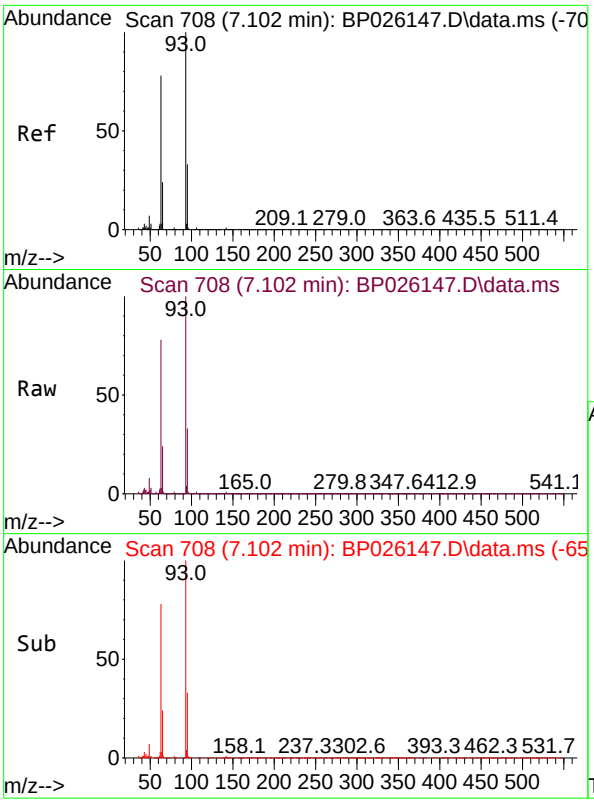


#10
Phenol
Concen: 40.869 ng
RT: 6.878 min Scan# 670
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 94 Resp: 1177853

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.0	47.0
66	34.9	14.5	54.5

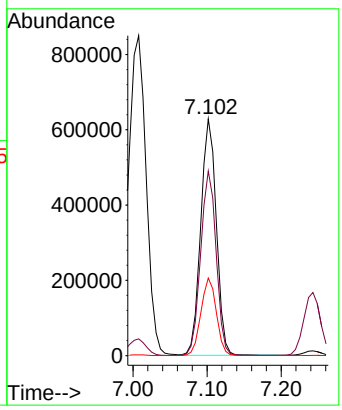




#11
bis(2-Chloroethyl)ether
Concen: 40.811 ng
RT: 7.102 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 93 Resp: 91777

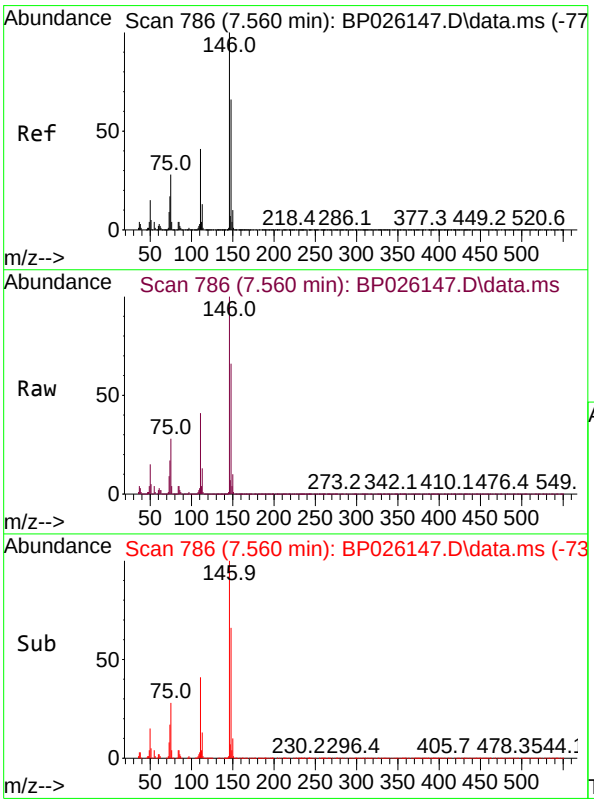
Ion	Ratio	Lower	Upper
93	100		
63	78.0	58.8	98.8
95	32.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

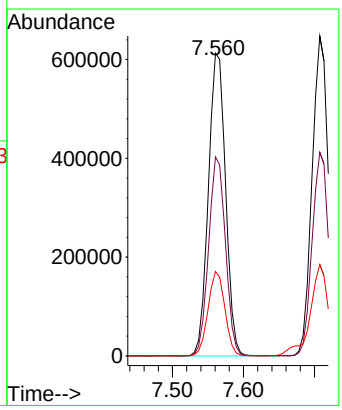
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

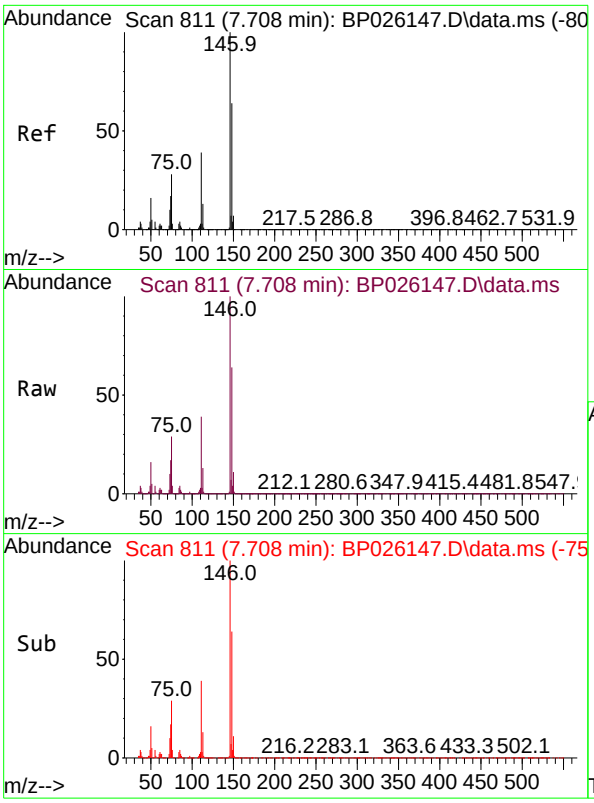


#12
1,3-Dichlorobenzene
Concen: 39.968 ng
RT: 7.560 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:146 Resp: 1028799

Ion	Ratio	Lower	Upper
146	100		
148	65.7	51.8	77.8
75	27.9	22.2	33.2





#13
1,4-Dichlorobenzene
Concen: 40.071 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

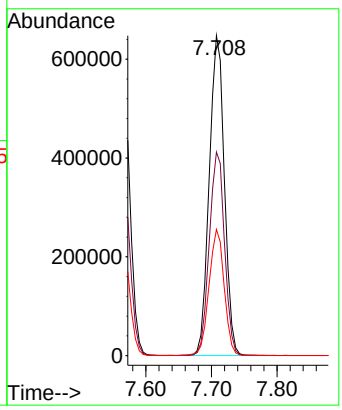
Tgt Ion:146 Resp: 103875

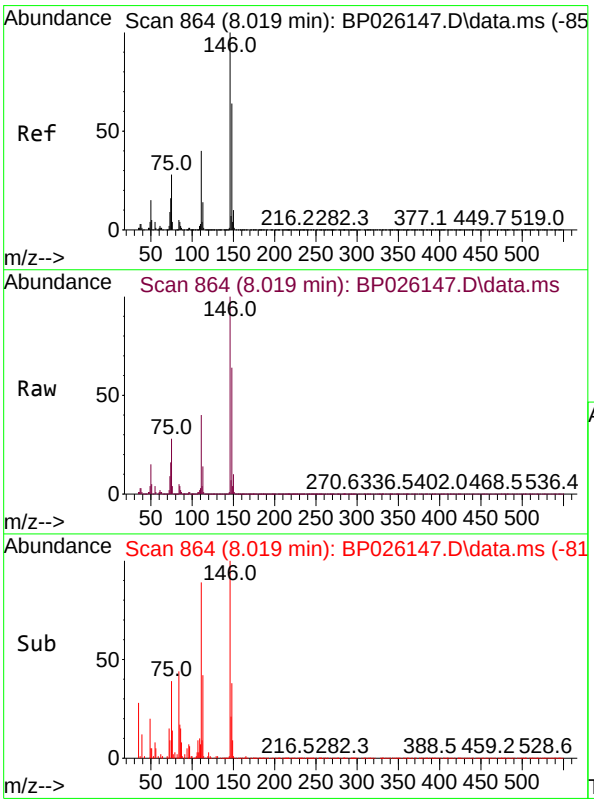
Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	39.4	31.7	47.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

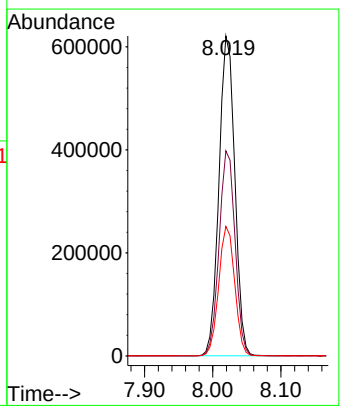


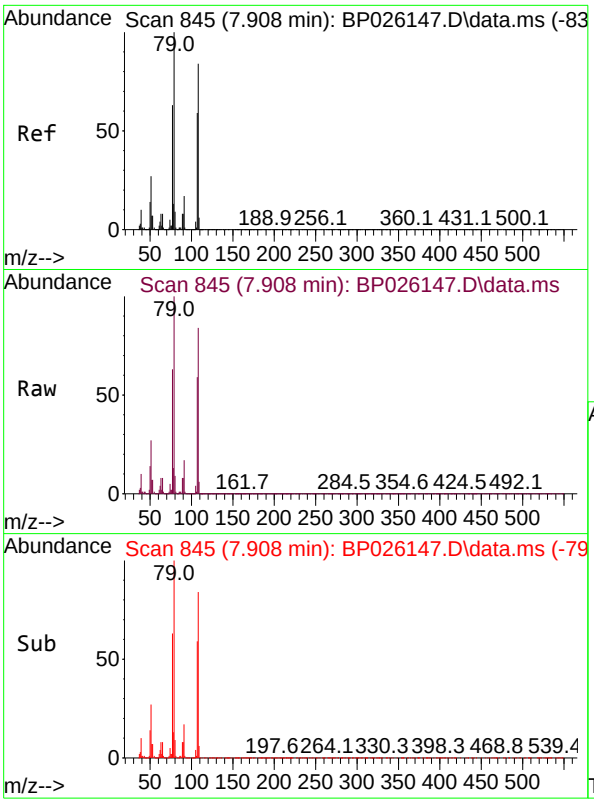


#14
1,2-Dichlorobenzene
Concen: 39.996 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:146 Resp: 997382

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	40.5	33.0	49.4





#15
Benzyl Alcohol
Concen: 40.874 ng
RT: 7.908 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

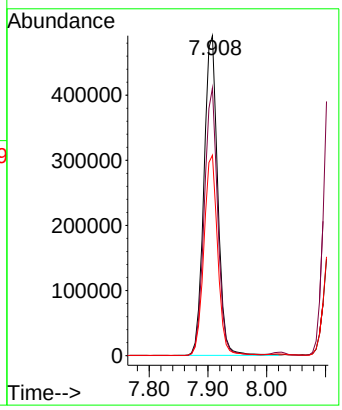
Tgt Ion: 79 Resp: 80097

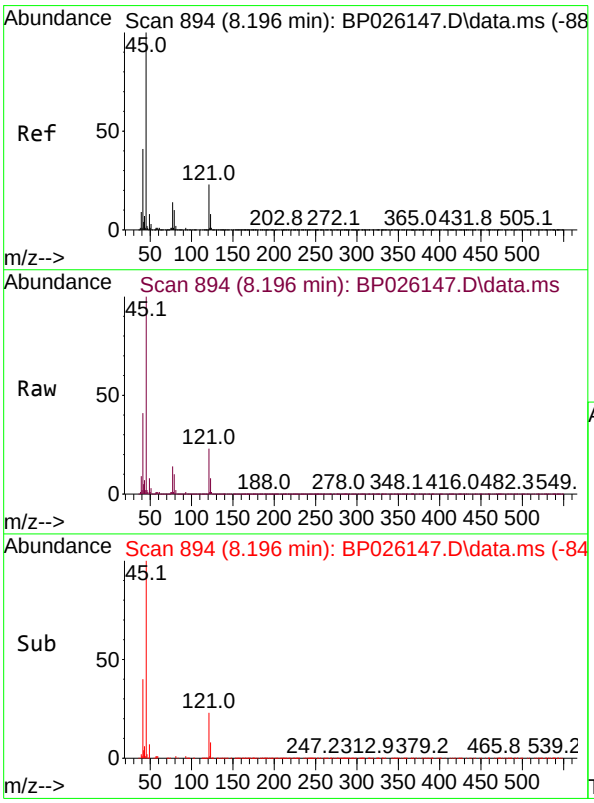
Ion	Ratio	Lower	Upper
79	100		
108	83.6	66.2	99.4
77	62.6	50.0	75.0

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

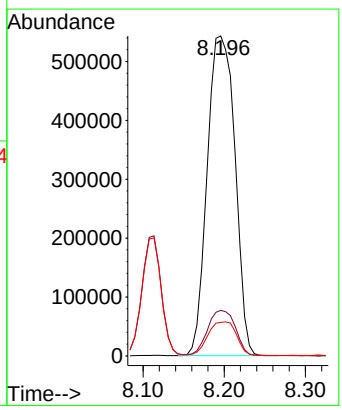


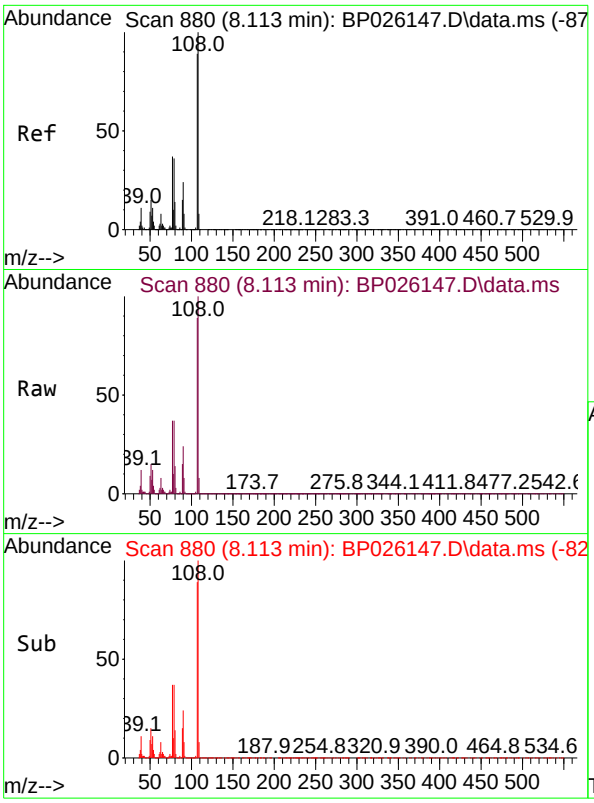


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.615 ng
RT: 8.196 min Scan# 894
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 45 Resp: 1291371

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.9
79	10.5	0.0	30.4

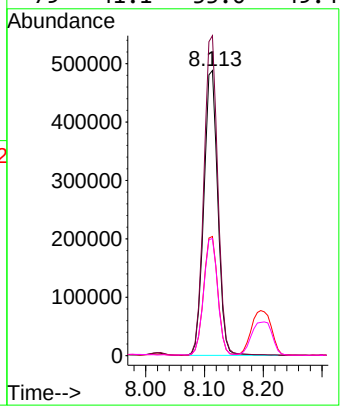




#17
2-Methylphenol
Concen: 41.076 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:107 Resp: 80624

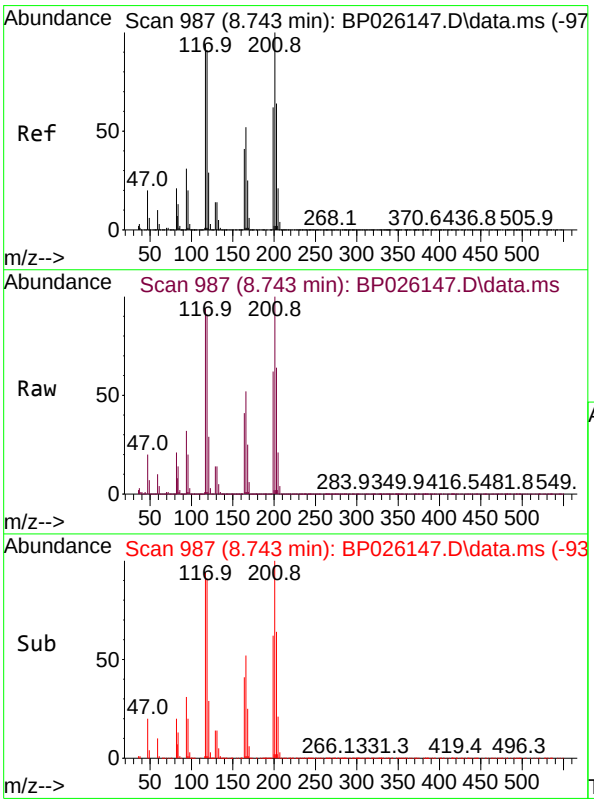
Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.7	134.5
77	41.8	33.9	50.9
79	41.1	33.0	49.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

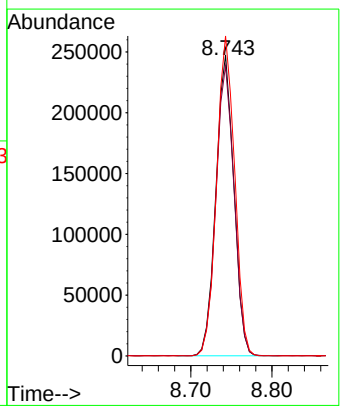
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

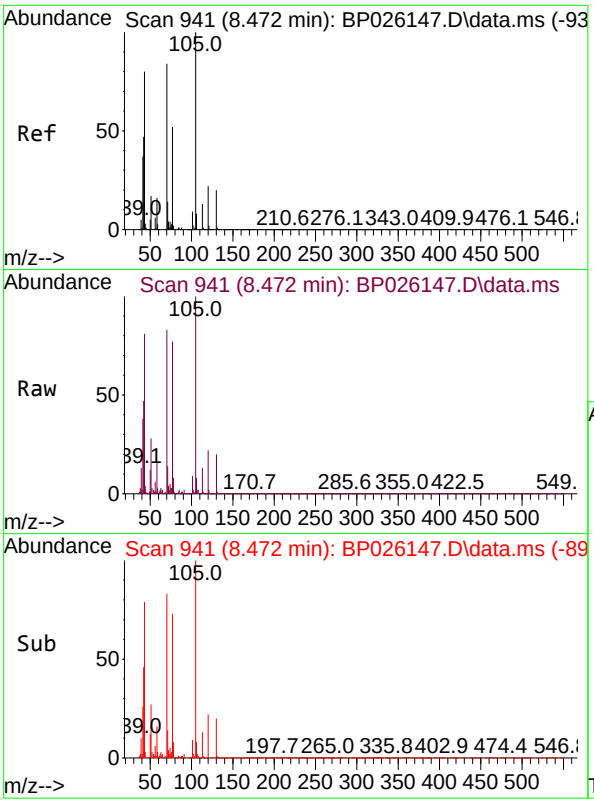


#18
Hexachloroethane
Concen: 40.305 ng
RT: 8.743 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:117 Resp: 380794

Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.7	118.1
201	106.4	85.1	127.7

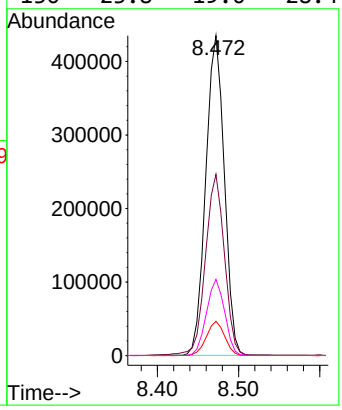




#19
n-Nitroso-di-n-propylamine
Concen: 41.414 ng
RT: 8.472 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 70 Resp: 690711

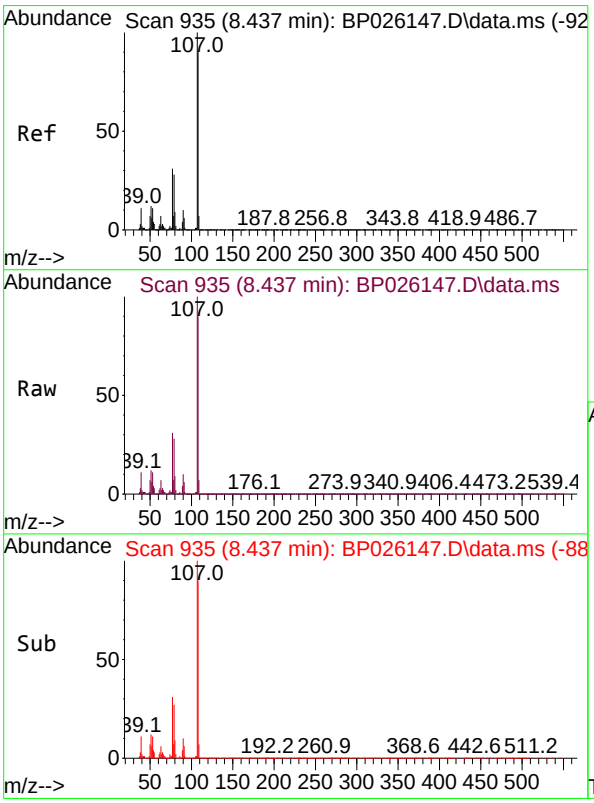
Ion	Ratio	Lower	Upper
70	100		
42	56.6	44.1	66.1
101	10.8	8.2	12.4
130	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

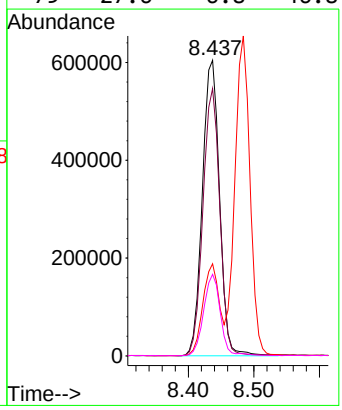
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

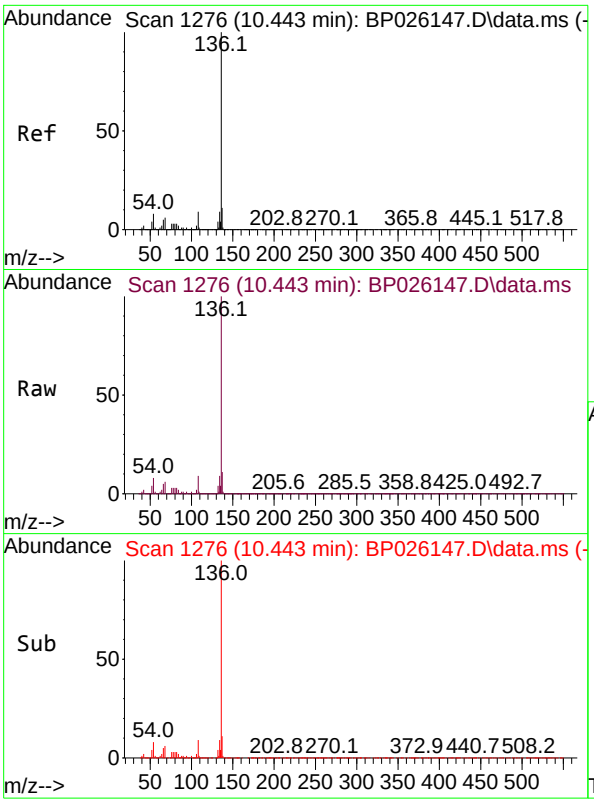


#20
3+4-Methylphenols
Concen: 40.127 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:107 Resp: 1095272

Ion	Ratio	Lower	Upper
107	100		
108	90.4	68.9	108.9
77	31.1	10.4	50.4
79	27.6	6.8	46.8

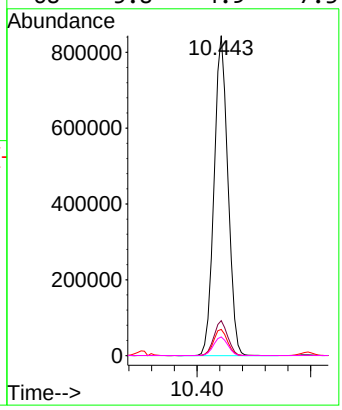




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:136 Resp: 142093

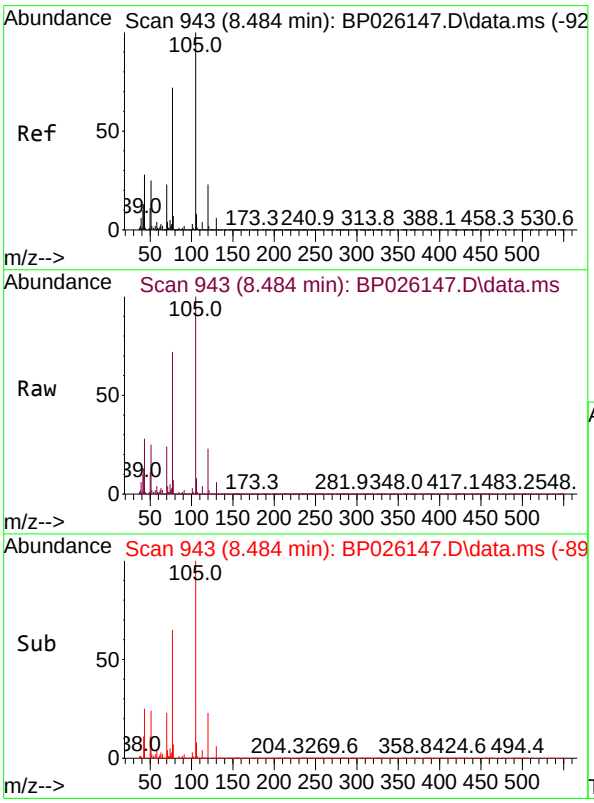
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.2	6.4	9.6
68	5.8	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

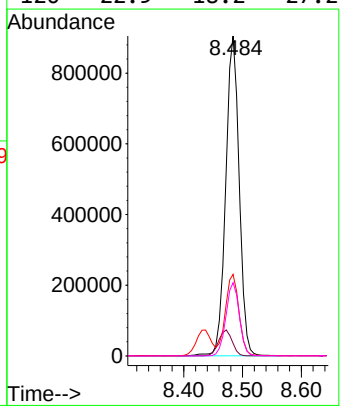
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

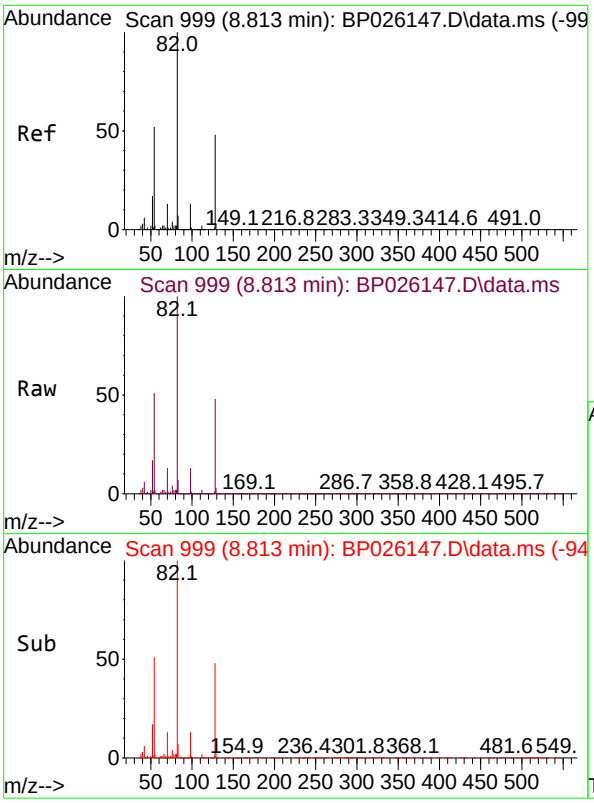


#22
Acetophenone
Concen: 39.828 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:105 Resp: 1439776

Ion	Ratio	Lower	Upper
105	100		
71	3.9	3.0	4.4
51	25.5	20.5	30.7
120	22.9	18.2	27.2

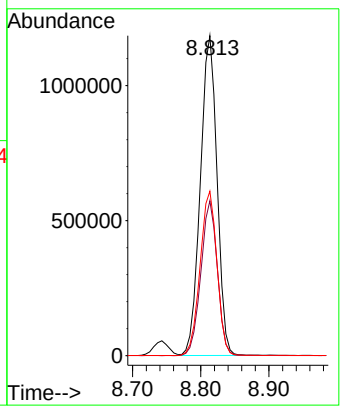




#23
Nitrobenzene-d5
Concen: 80.578 ng
RT: 8.813 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 82 Resp: 201889

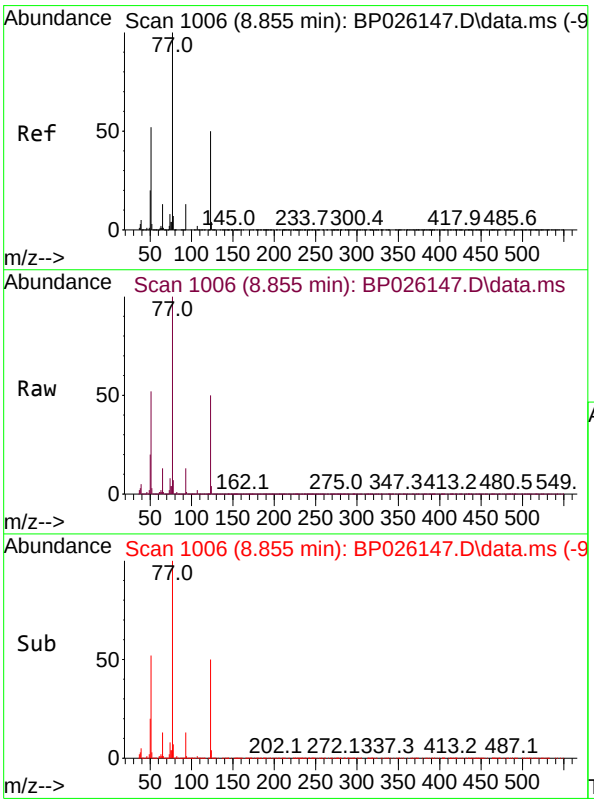
Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.0
54	51.4	41.6	62.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

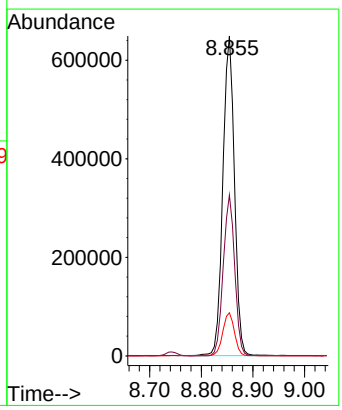
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

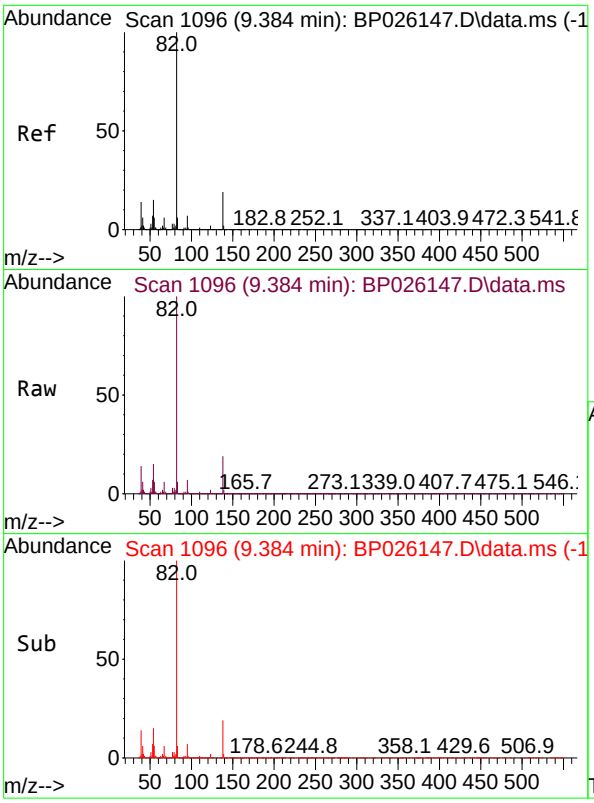


#24
Nitrobenzene
Concen: 40.240 ng
RT: 8.855 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 77 Resp: 1020382

Ion	Ratio	Lower	Upper
77	100		
123	50.3	39.8	59.8
65	13.5	11.2	16.8

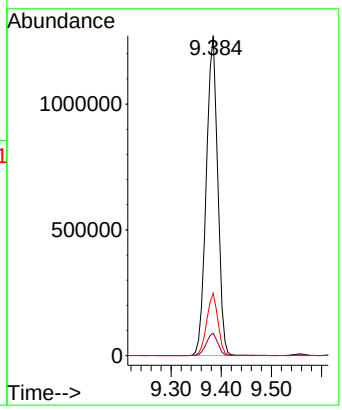




#25
Isophorone
Concen: 40.551 ng
RT: 9.384 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 82 Resp: 201732

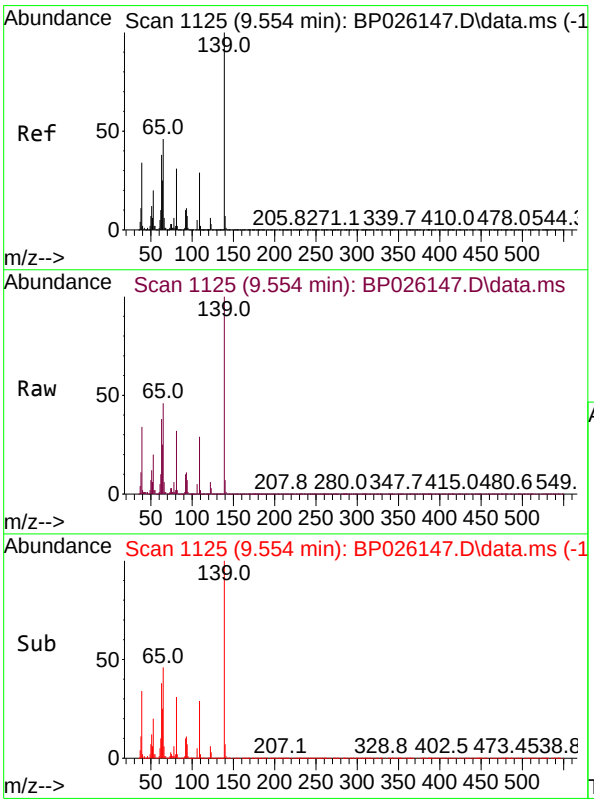
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.0
138	19.4	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

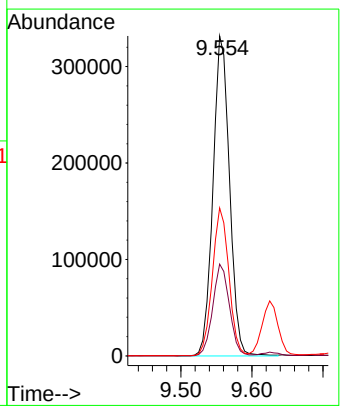
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

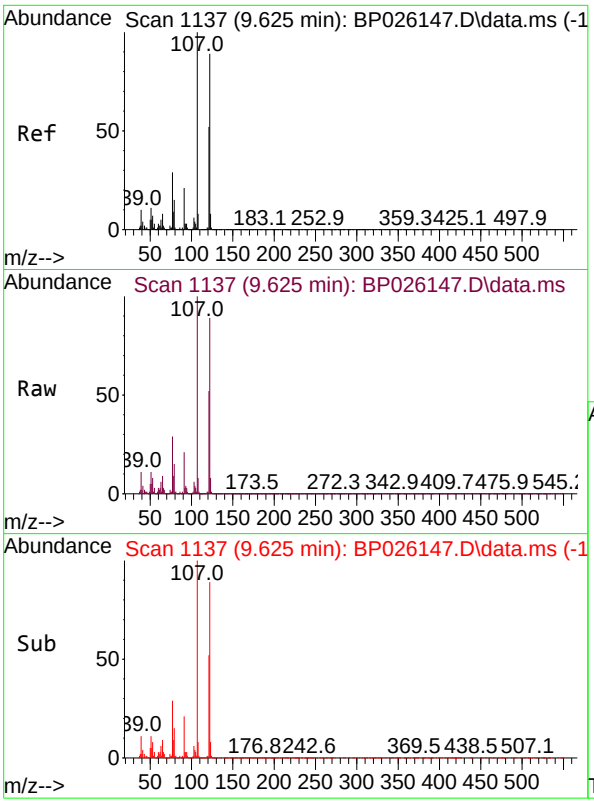


#26
2-Nitrophenol
Concen: 42.012 ng
RT: 9.554 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:139 Resp: 537109

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.3	33.5
65	46.2	37.2	55.8





#27
2,4-Dimethylphenol
Concen: 40.271 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

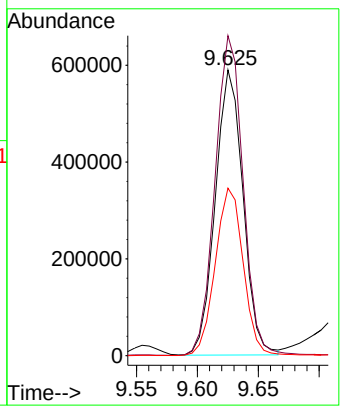
Tgt Ion:122 Resp: 93272

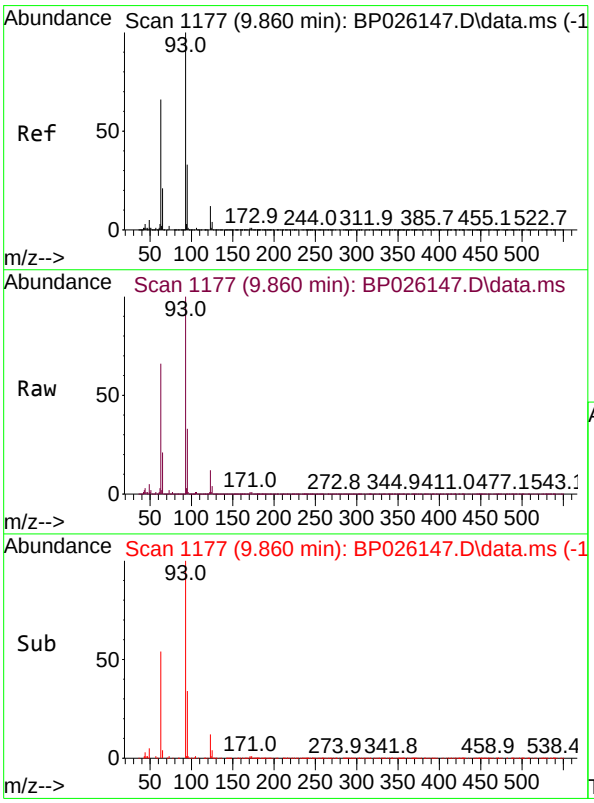
Ion	Ratio	Lower	Upper
122	100		
107	112.0	91.0	136.6
121	58.6	47.0	70.6

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

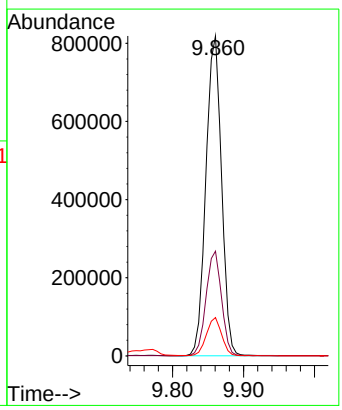


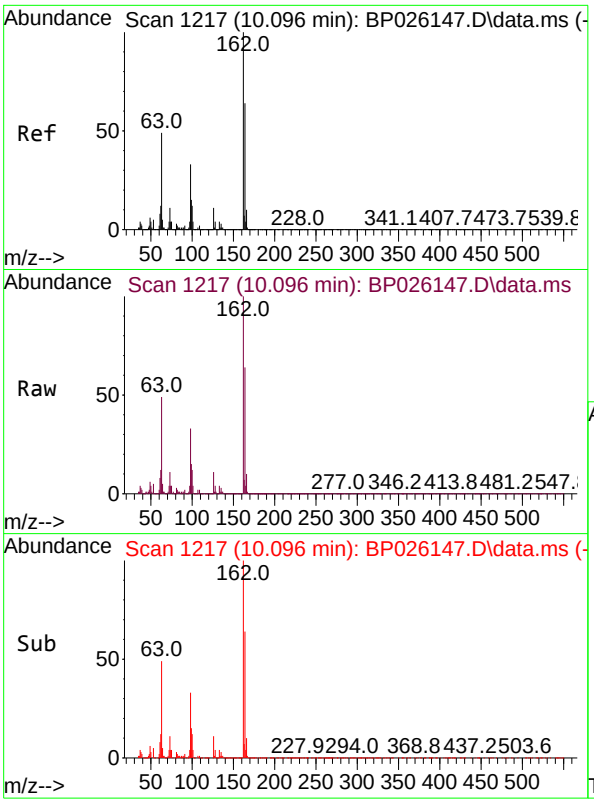


#28
bis(2-Chloroethoxy)methane
Concen: 40.045 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 93 Resp: 1247327

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	12.0	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 40.740 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

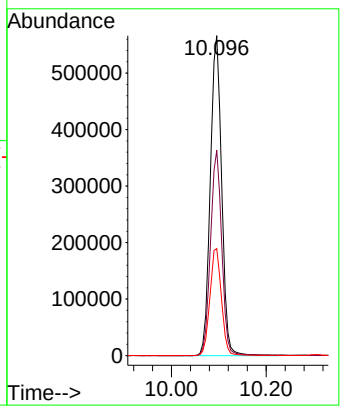
Tgt Ion:162 Resp: 94012

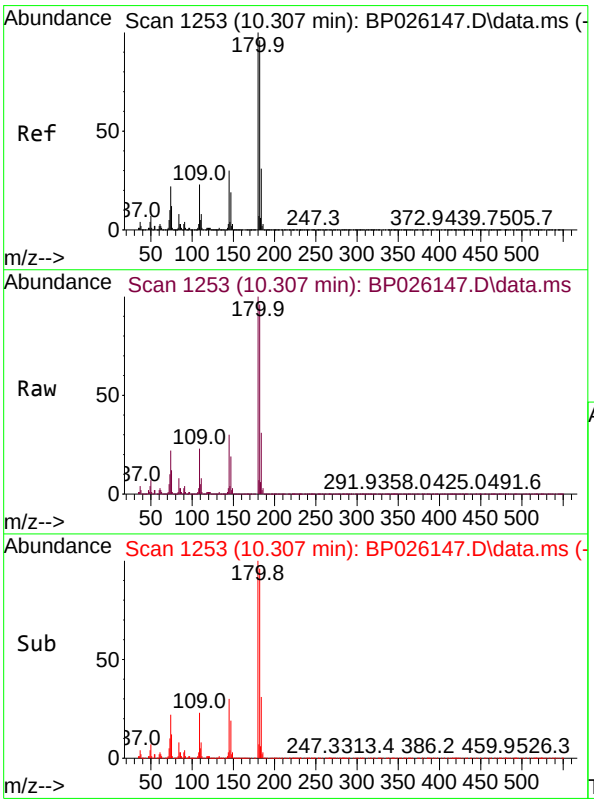
Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.8	83.8
98	33.4	14.1	54.1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

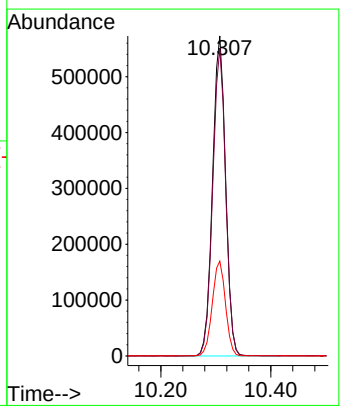


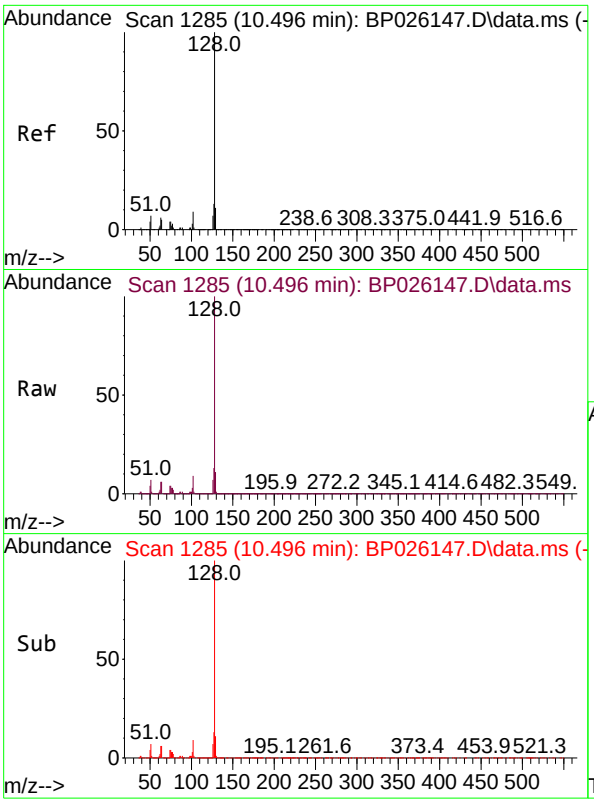


#30
1,2,4-Trichlorobenzene
Concen: 39.912 ng
RT: 10.307 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:180 Resp: 938571

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.1	117.1
145	29.6	24.2	36.4

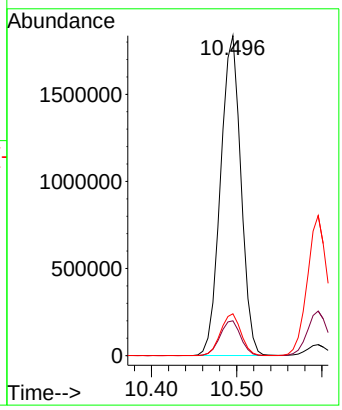




#31
Naphthalene
Concen: 39.513 ng
RT: 10.496 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:128 Resp: 304867

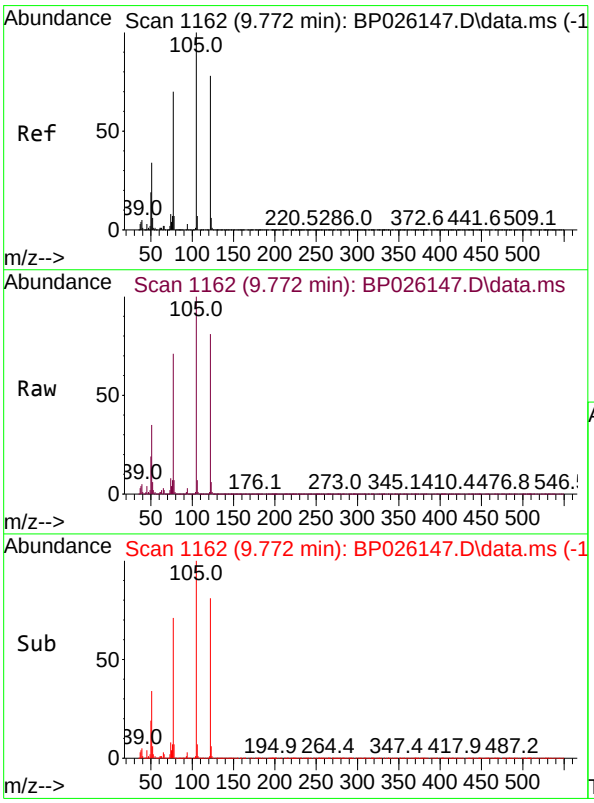
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

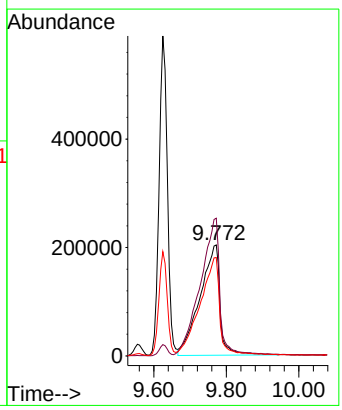
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

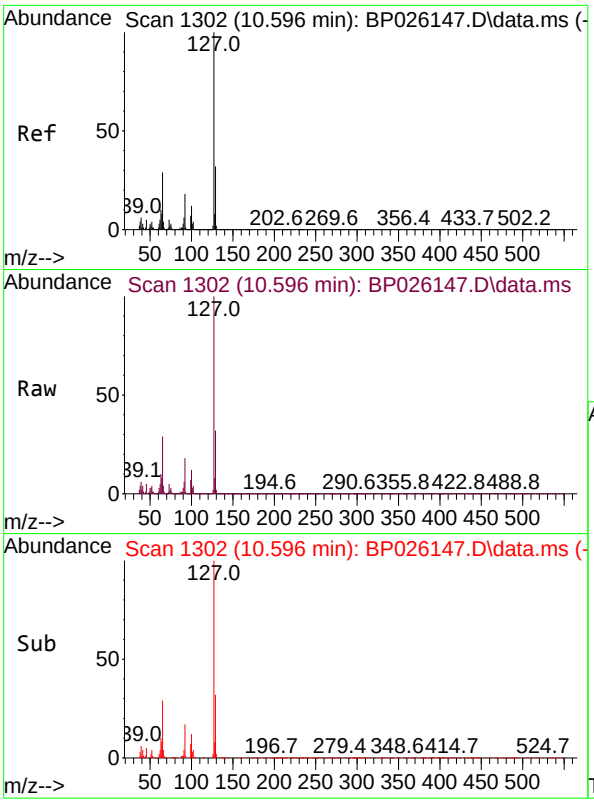


#32
Benzoic acid
Concen: 42.116 ng
RT: 9.772 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:122 Resp: 784823

Ion	Ratio	Lower	Upper
122	100		
105	124.0	100.1	140.1
77	88.5	66.7	106.7

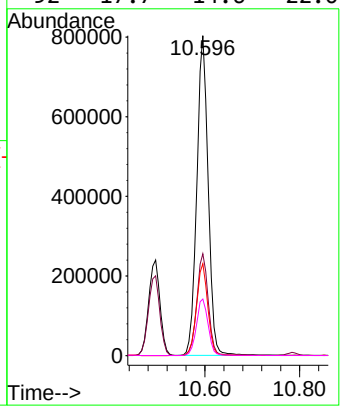




#33
4-Chloroaniline
Concen: 40.923 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:127 Resp: 134027

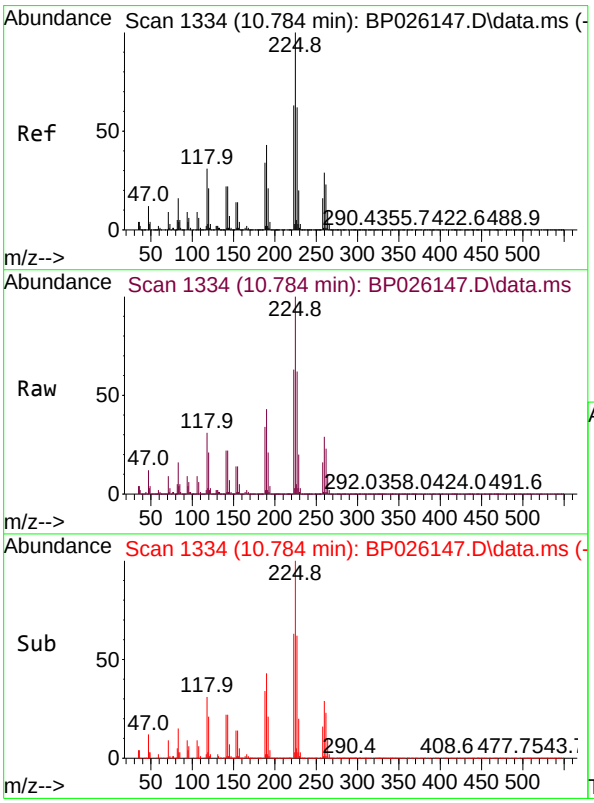
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	28.7	22.7	34.1
92	17.7	14.6	22.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

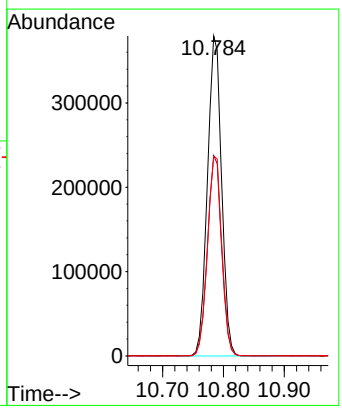
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

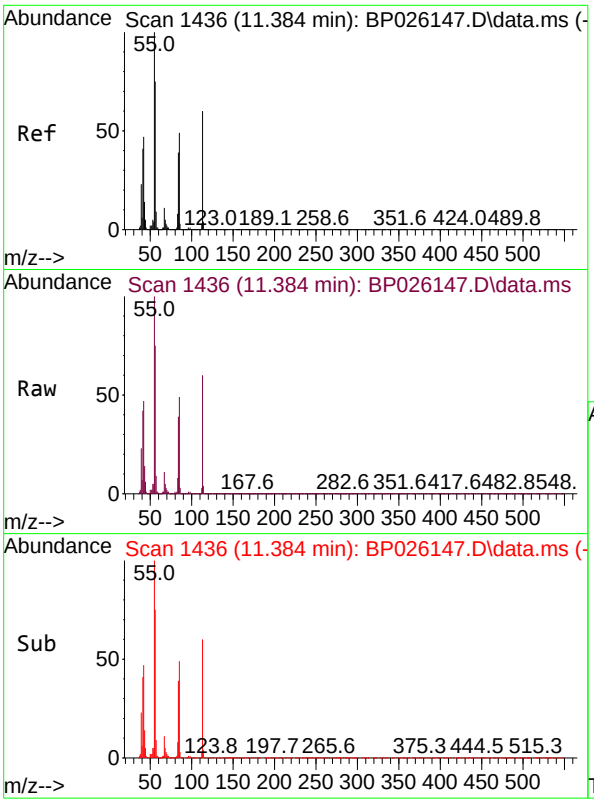


#34
Hexachlorobutadiene
Concen: 39.893 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:225 Resp: 610384

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.6	74.4
227	62.4	51.2	76.8





#35
Caprolactam
Concen: 40.168 ng
RT: 11.384 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

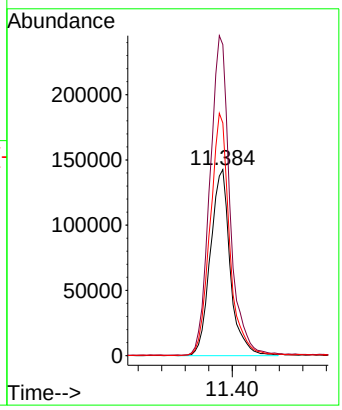
Tgt Ion:113 Resp: 33378

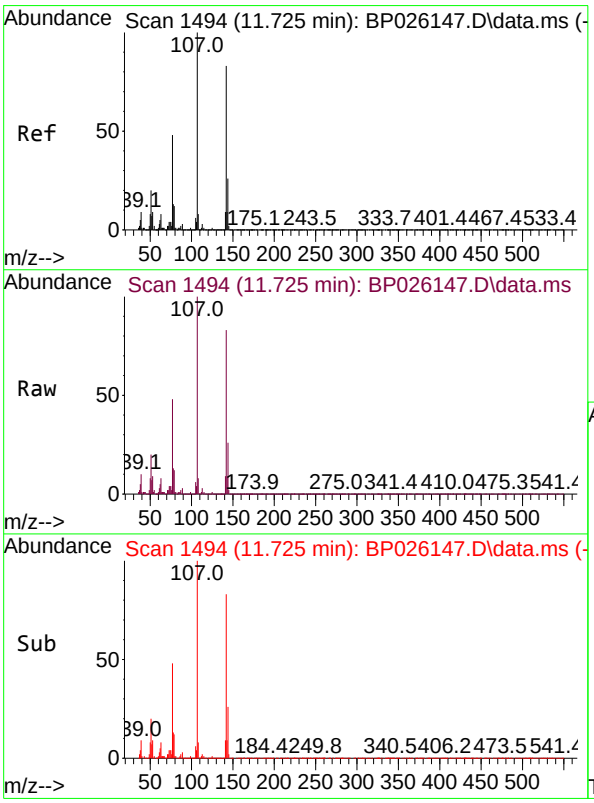
Ion	Ratio	Lower	Upper
113	100		
55	167.2	153.0	193.0
56	125.0	106.4	146.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

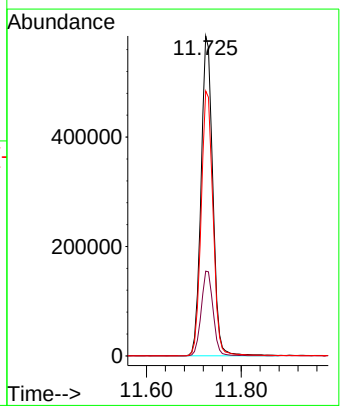


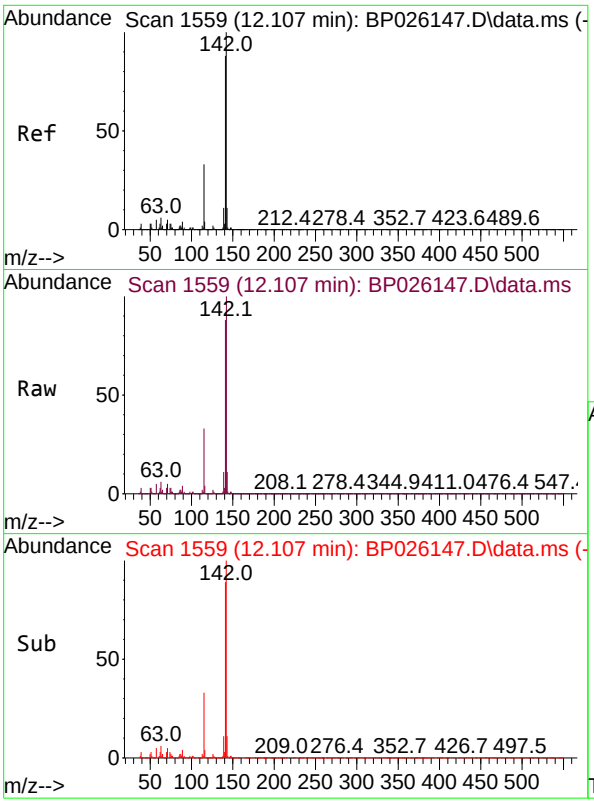


#36
4-Chloro-3-methylphenol
Concen: 40.975 ng
RT: 11.725 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:107 Resp: 1006010

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.6	32.4
142	82.8	65.6	98.4





#37
2-Methylnaphthalene
Concen: 40.223 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

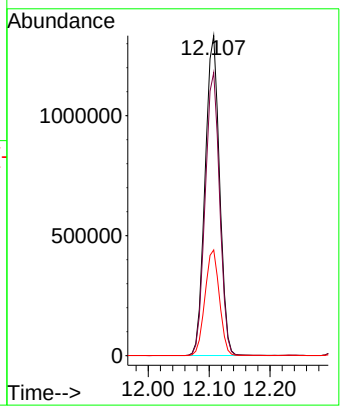
Tgt Ion:142 Resp: 219665

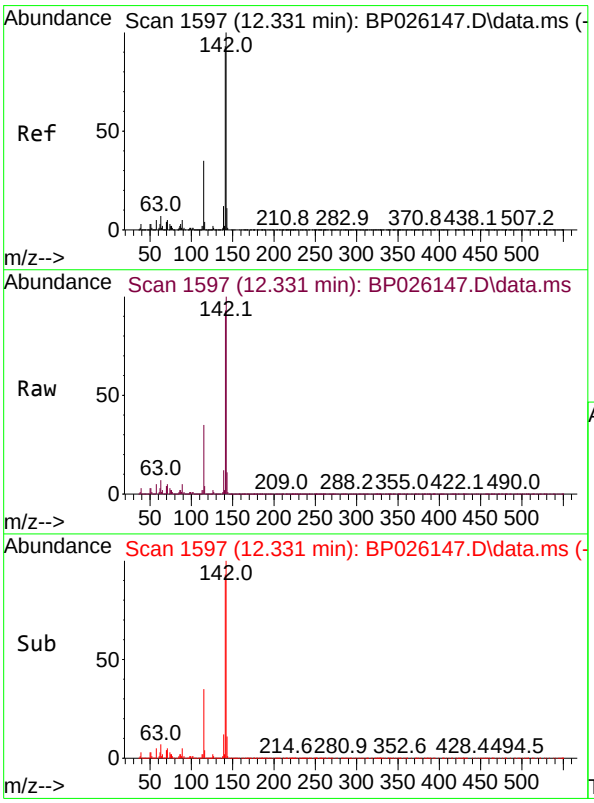
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	33.0	26.6	39.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

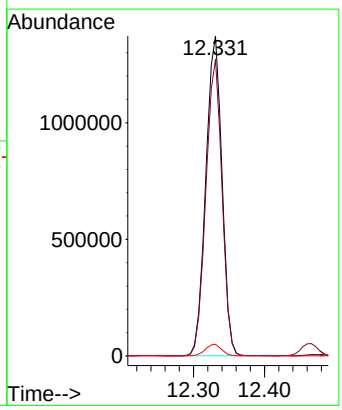


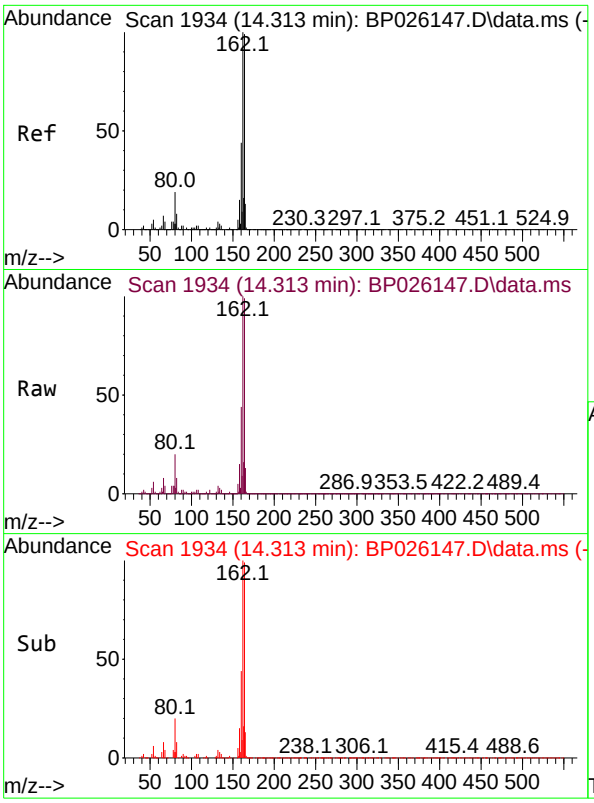


#38
1-Methylnaphthalene
Concen: 40.554 ng
RT: 12.331 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:142 Resp: 2167022

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.5	110.3
116	3.6	3.0	4.4

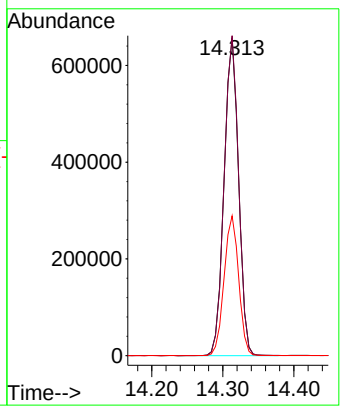




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:164 Resp: 933300

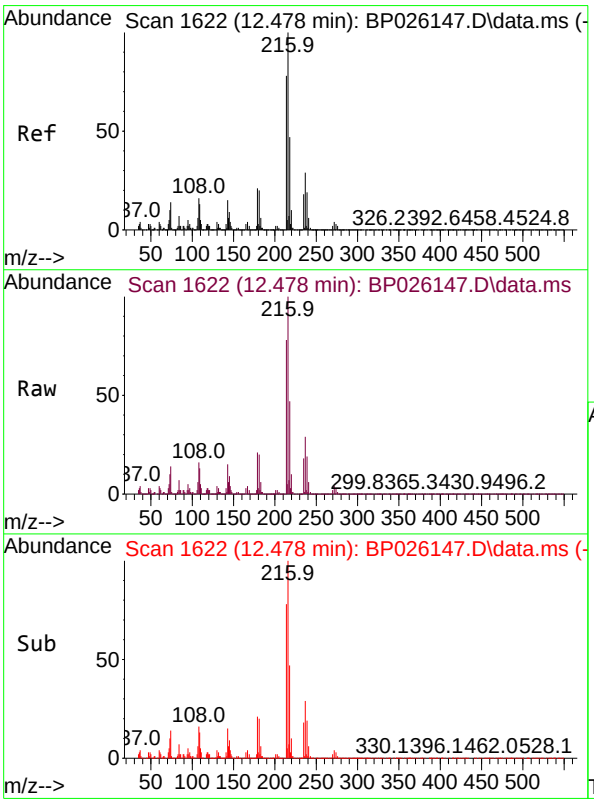
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.3	120.5
160	43.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

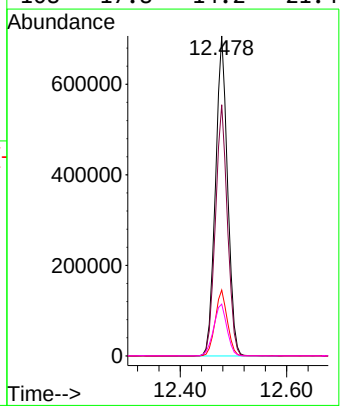
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

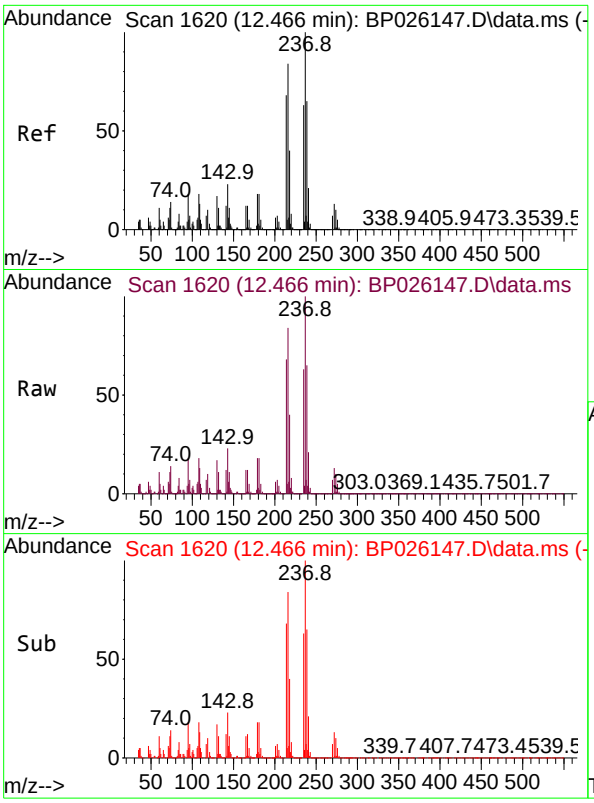


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.601 ng
RT: 12.478 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:216 Resp: 1113781

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	94.0
179	20.6	16.6	25.0
108	17.8	14.2	21.4

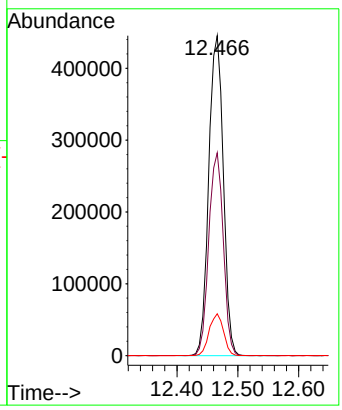




#41
Hexachlorocyclopentadiene
Concen: 40.264 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:237 Resp: 73912

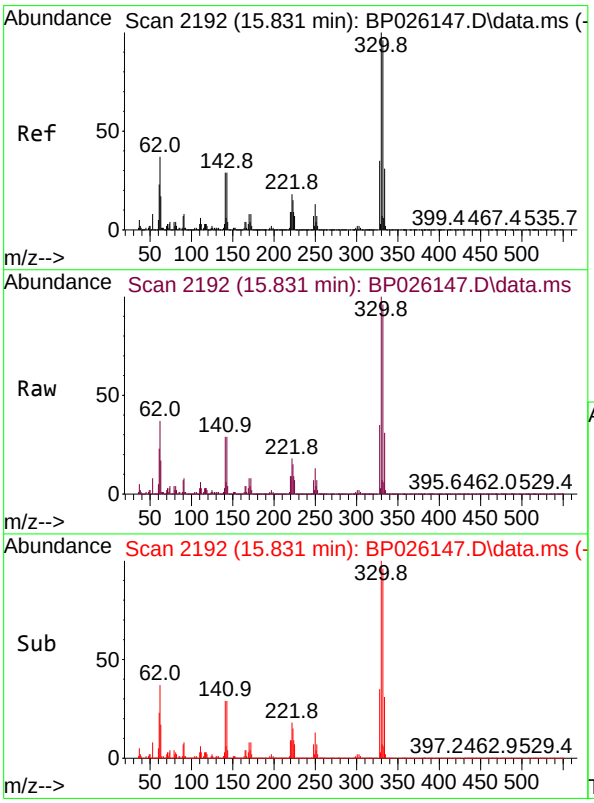
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	13.1	0.0	32.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

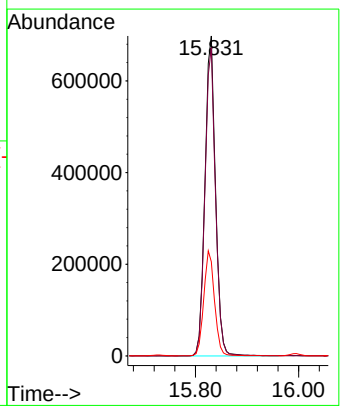
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

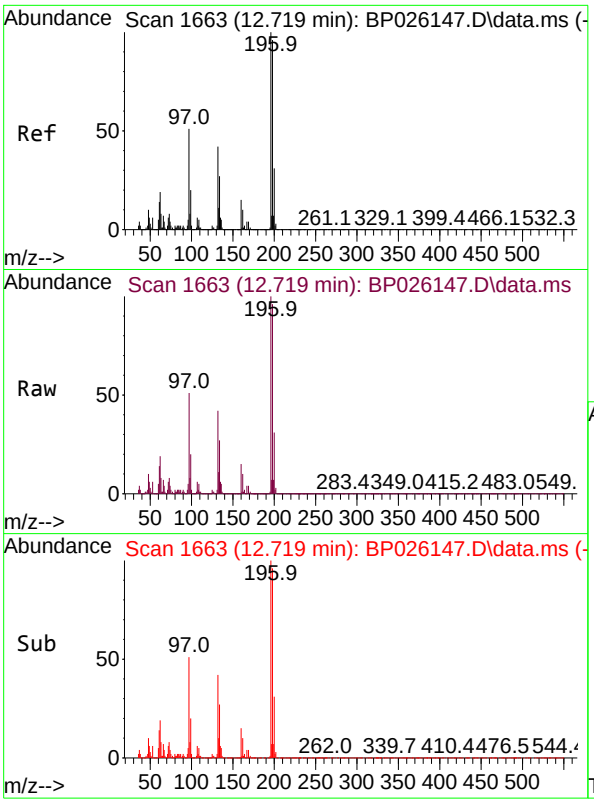


#42
2,4,6-Tribromophenol
Concen: 81.498 ng
RT: 15.831 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:330 Resp: 985641

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	33.5	26.8	40.2

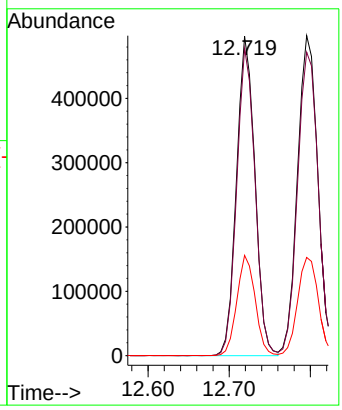




#43
2,4,6-Trichlorophenol
Concen: 40.484 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:196 Resp: 78354

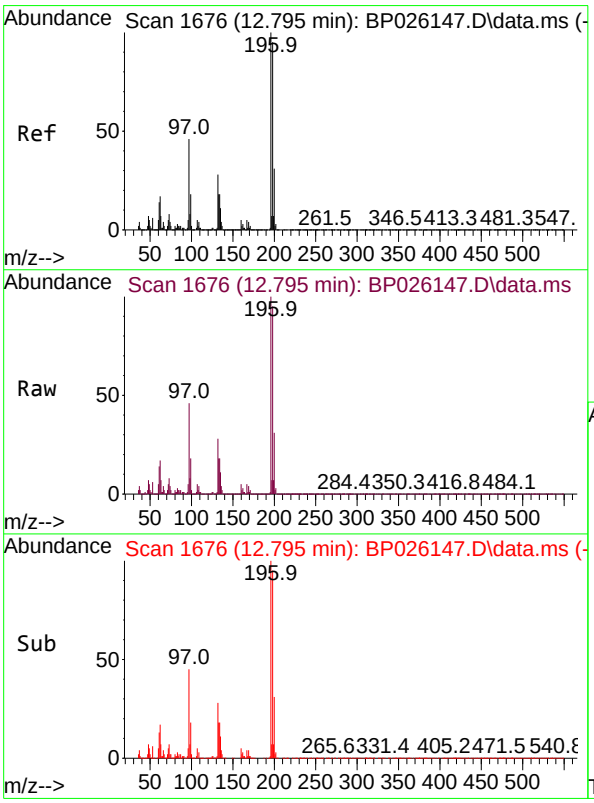
Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.9	115.3
200	31.4	24.6	37.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

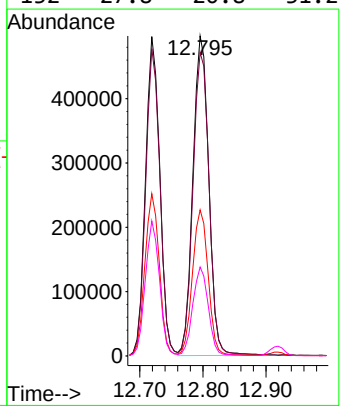
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

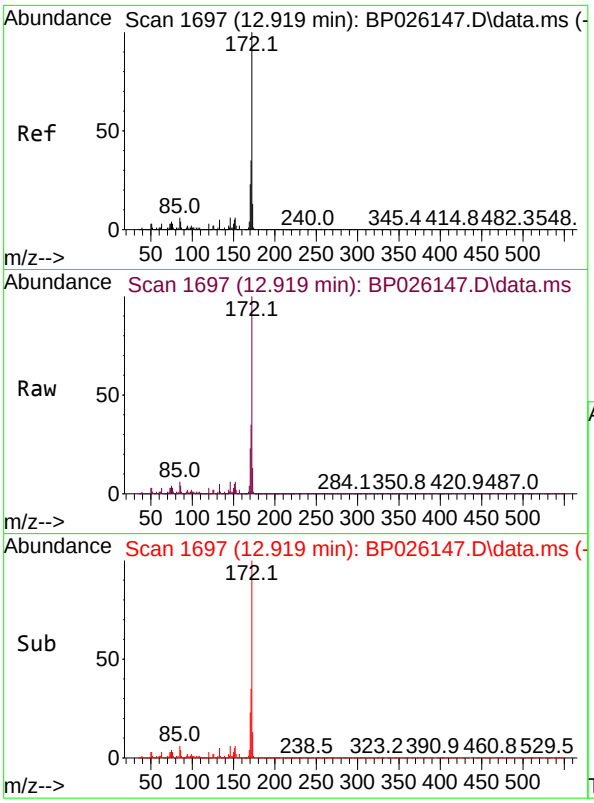


#44
2,4,5-Trichlorophenol
Concen: 40.362 ng
RT: 12.795 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:196 Resp: 871078

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.4	114.6
97	45.6	35.7	53.5
132	27.8	20.8	31.2

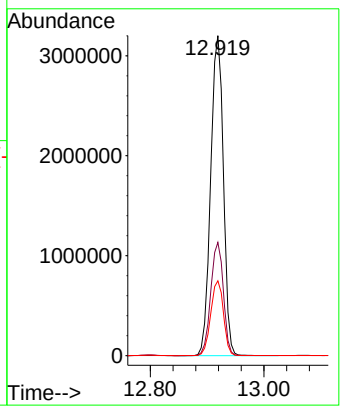




#45
2-Fluorobiphenyl
Concen: 78.020 ng
RT: 12.919 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:172 Resp: 499115

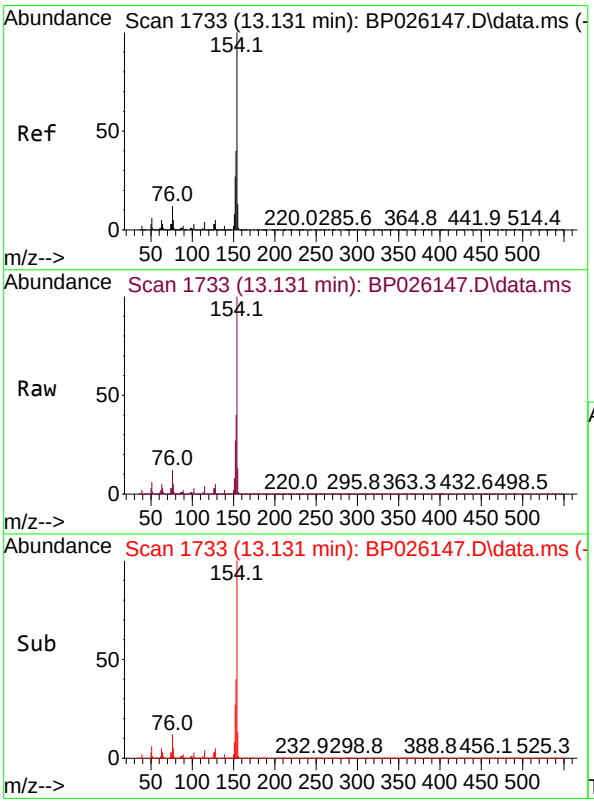
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.4	18.7	28.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

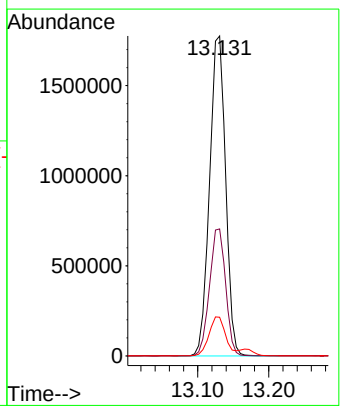
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

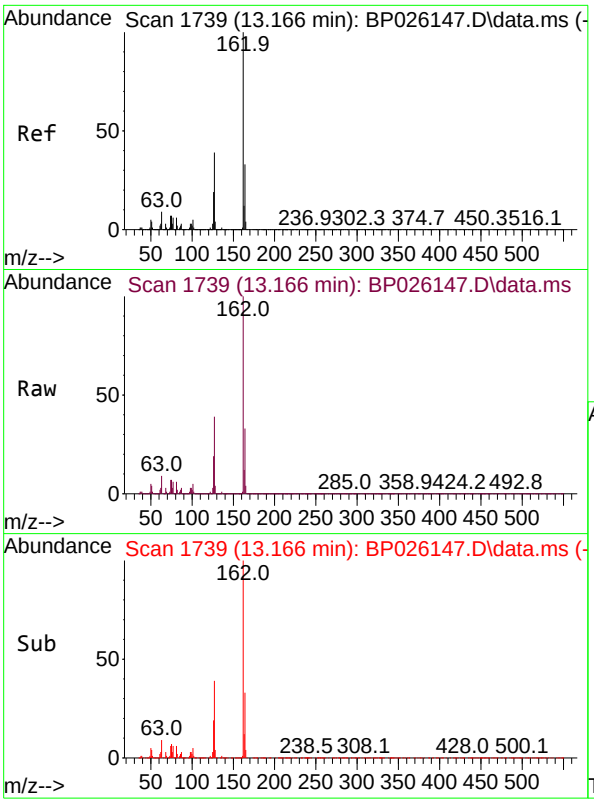


#46
1,1'-Biphenyl
Concen: 39.689 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:154 Resp: 2780286

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.3	60.3
76	12.1	0.0	32.3

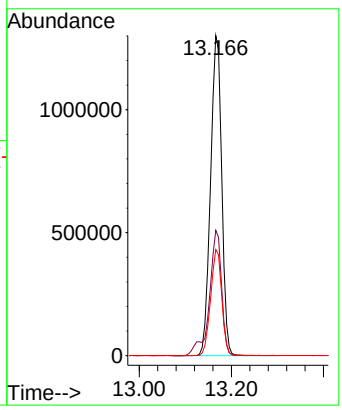




#47
2-Chloronaphthalene
Concen: 39.633 ng
RT: 13.166 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:162 Resp: 218273

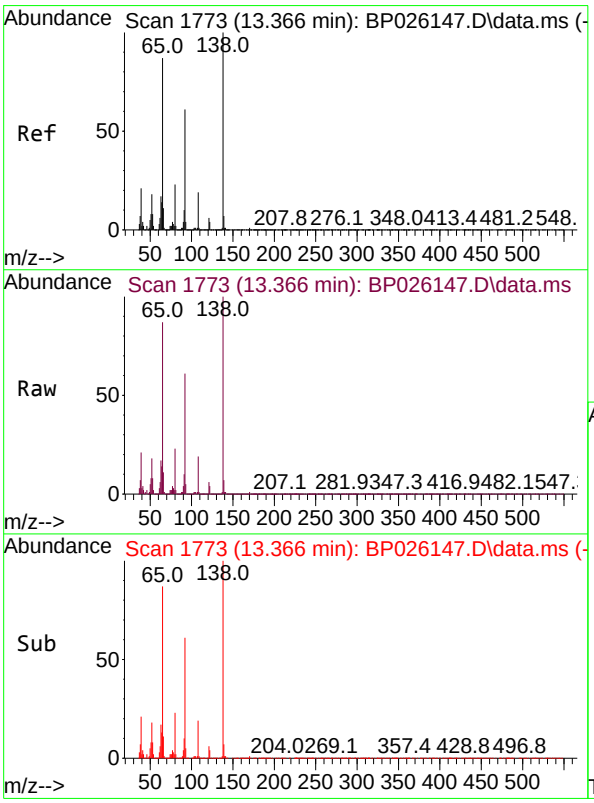
Ion	Ratio	Lower	Upper
162	100		
127	39.1	30.9	46.3
164	33.1	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

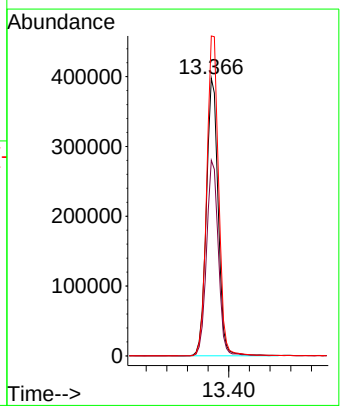
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

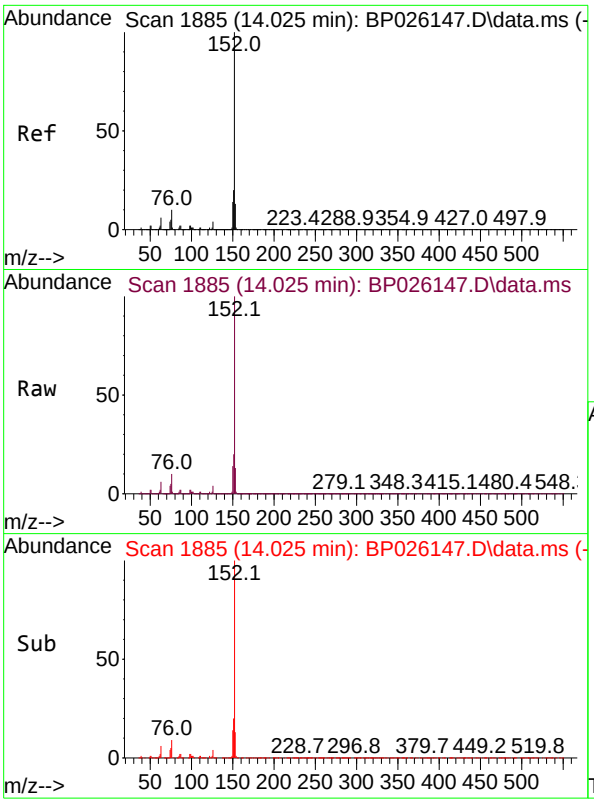


#48
2-Nitroaniline
Concen: 41.000 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 65 Resp: 630592

Ion	Ratio	Lower	Upper
65	100		
92	70.5	59.1	88.7
138	115.3	96.6	145.0

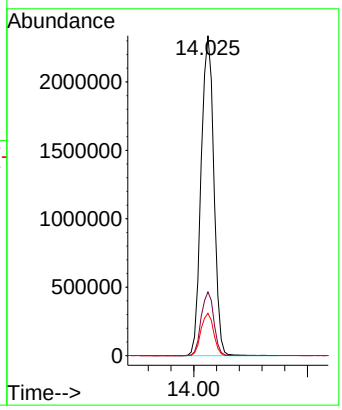




#49
Acenaphthylene
Concen: 39.879 ng
RT: 14.025 min Scan# 18
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:152 Resp: 363384

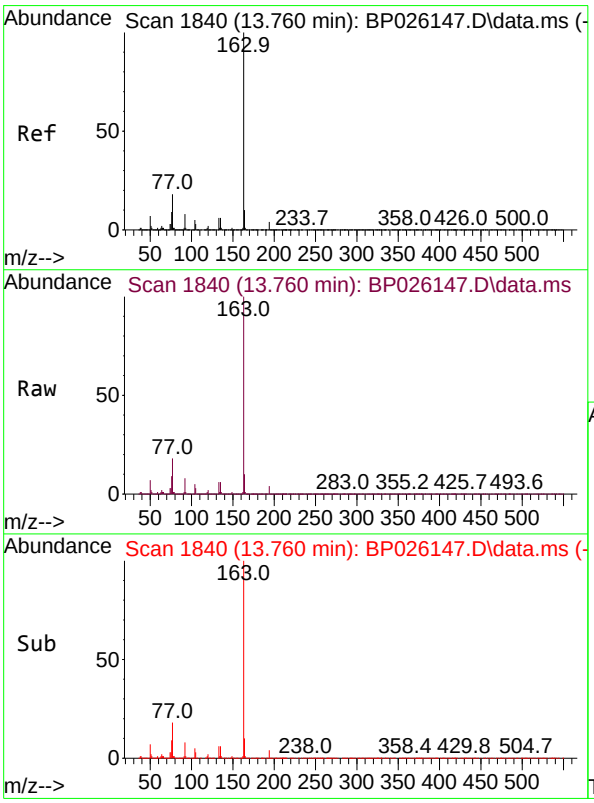
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

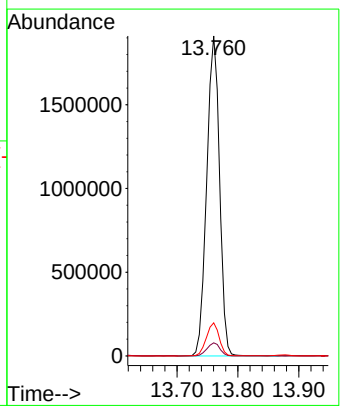
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

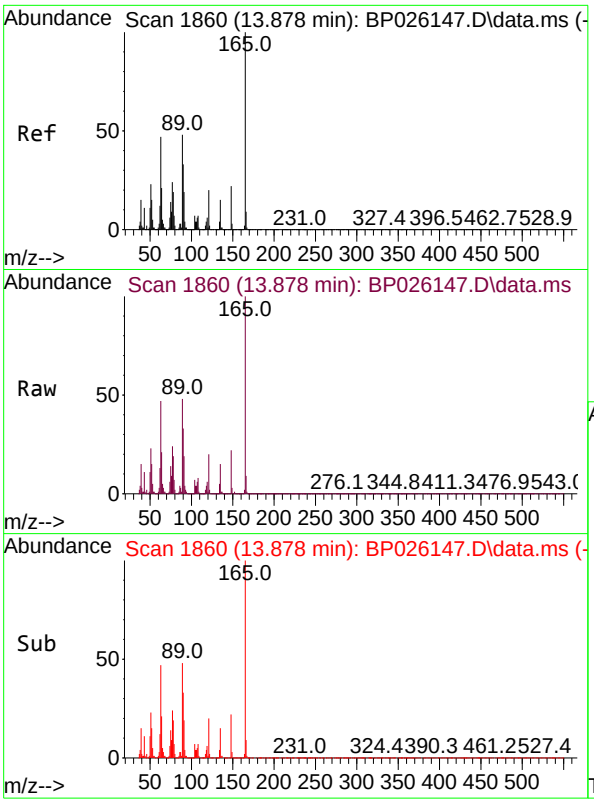


#50
Dimethylphthalate
Concen: 40.098 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:163 Resp: 2788637

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 42.806 ng
RT: 13.878 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

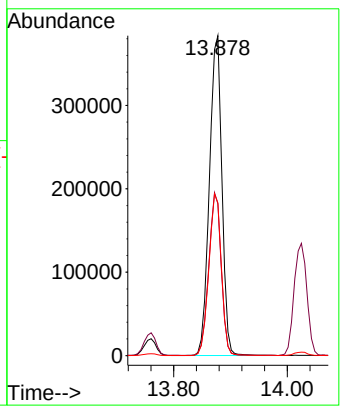
Tgt Ion:165 Resp: 58873(

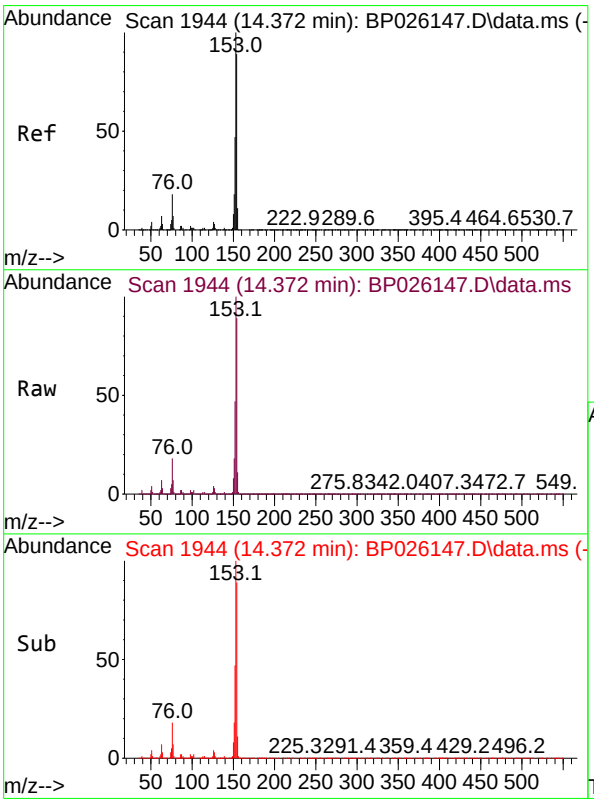
Ion	Ratio	Lower	Upper
165	100		
63	47.4	40.5	60.7
89	47.7	41.3	61.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

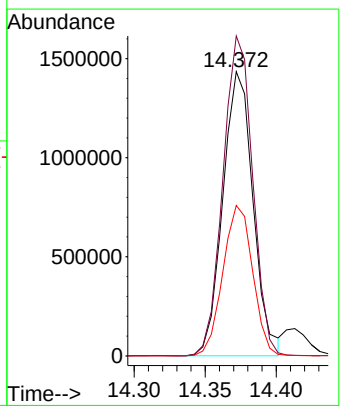


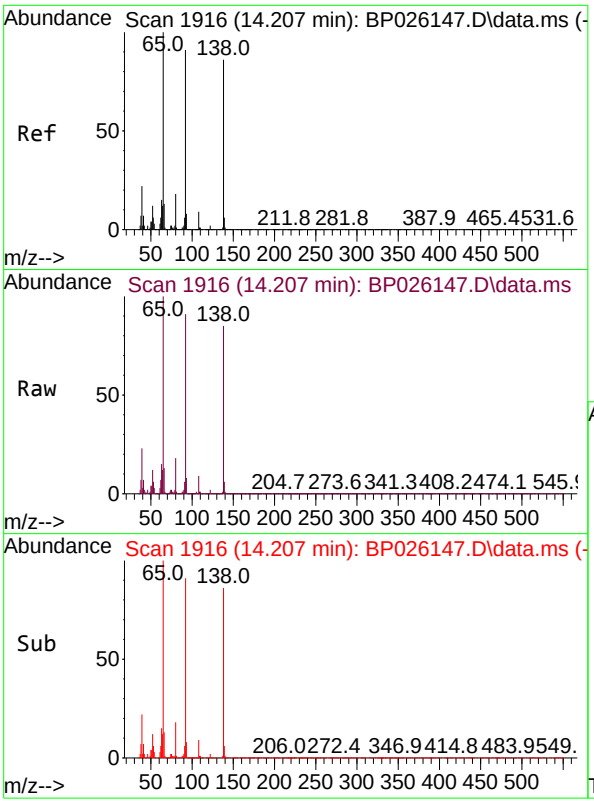


#52
Acenaphthene
Concen: 39.859 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:154 Resp: 2124219

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.7	136.1
152	52.9	42.8	64.2





#53
3-Nitroaniline
Concen: 41.586 ng
RT: 14.207 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

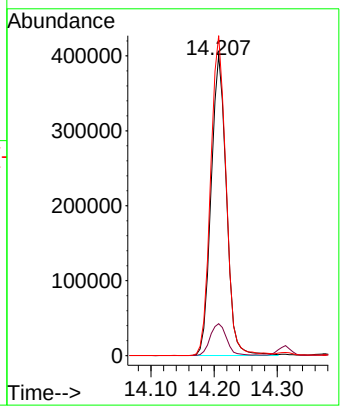
Tgt Ion:138 Resp: 67566

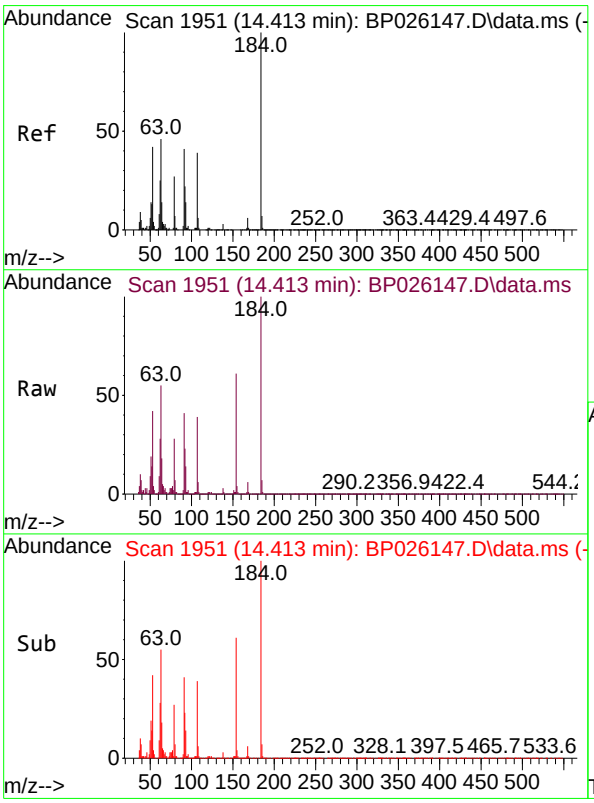
Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.9	13.3
92	106.5	86.3	129.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

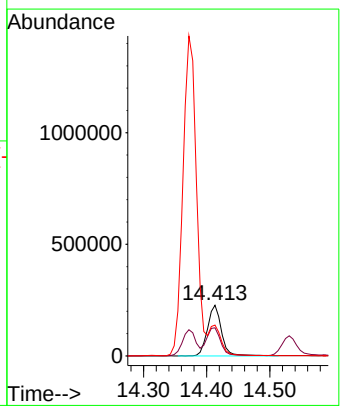


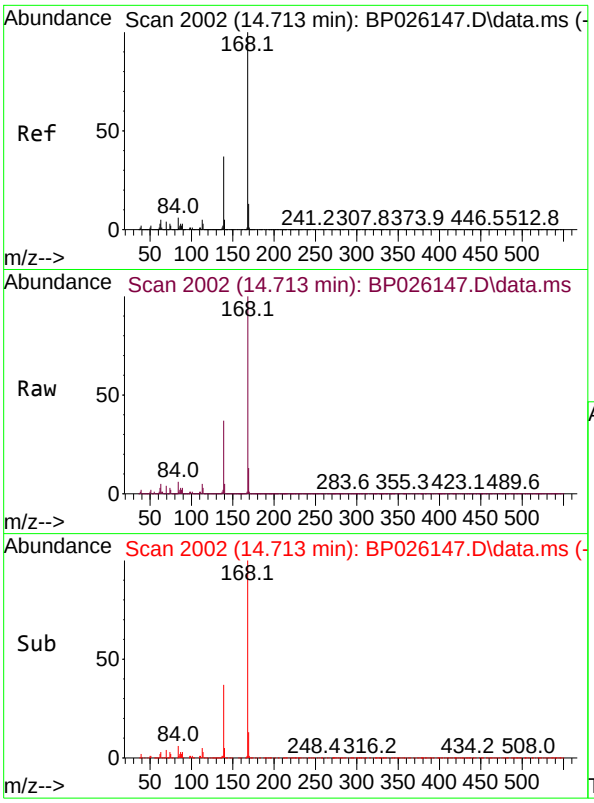


#54
2,4-Dinitrophenol
Concen: 42.038 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.018 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:184 Resp: 346832

Ion	Ratio	Lower	Upper
184	100		
63	55.4	43.1	64.7
154	60.8	49.5	74.3

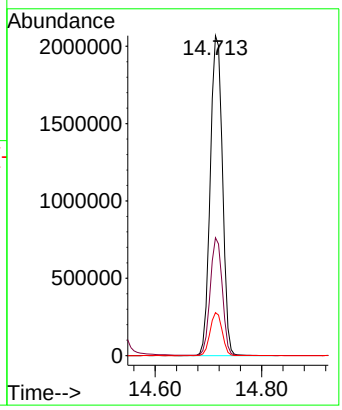




#55
Dibenzofuran
Concen: 39.554 ng
RT: 14.713 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:168 Resp: 329410

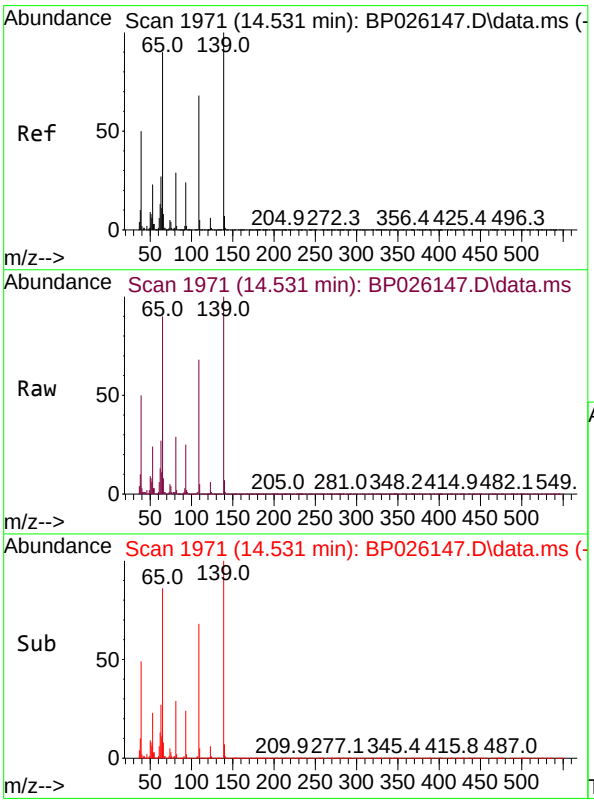
Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.8	44.6
169	13.4	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

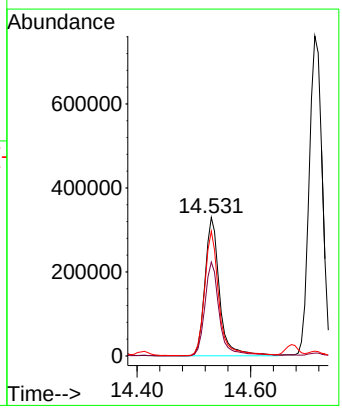
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

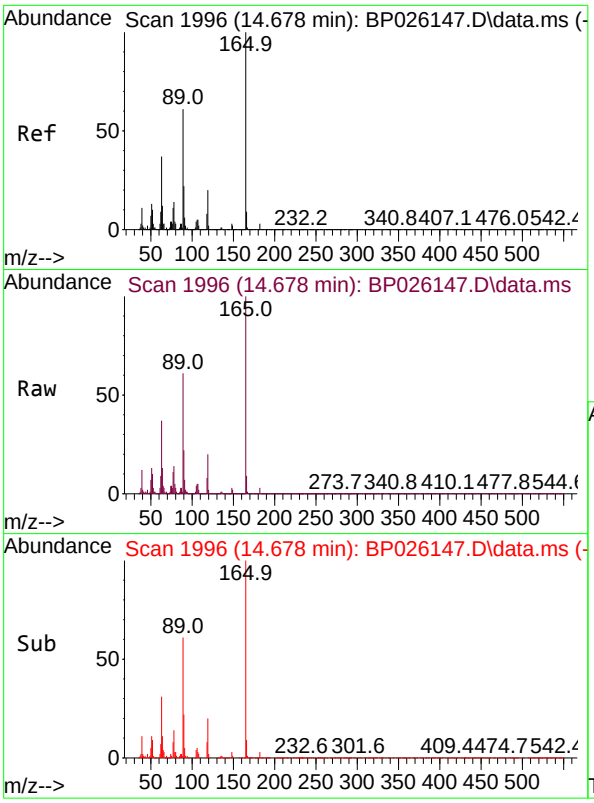


#56
4-Nitrophenol
Concen: 39.974 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:139 Resp: 589592

Ion	Ratio	Lower	Upper
139	100		
109	67.7	46.8	86.8
65	90.0	69.3	109.3

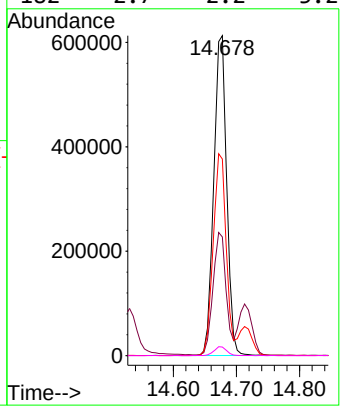




#57
2,4-Dinitrotoluene
Concen: 42.152 ng
RT: 14.678 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:165 Resp: 87153

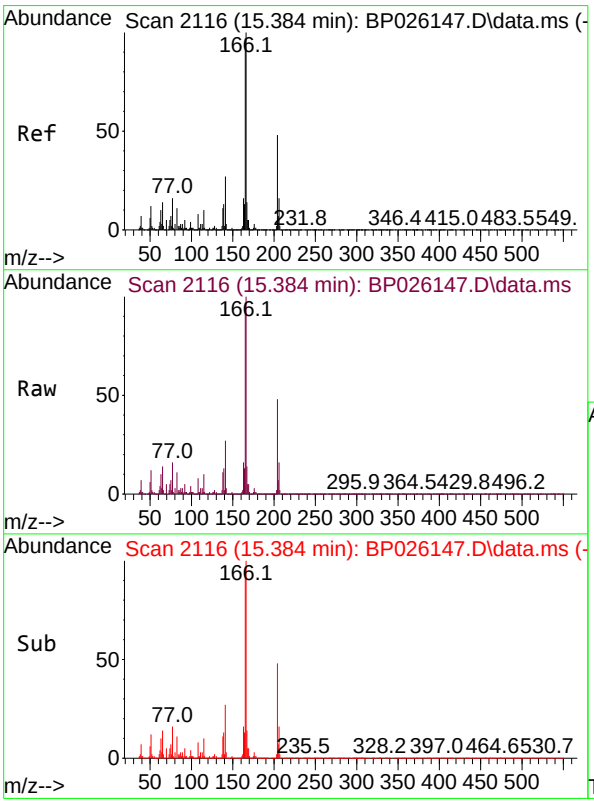
Ion	Ratio	Lower	Upper
165	100		
63	37.1	31.0	46.6
89	61.4	51.7	77.5
182	2.7	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

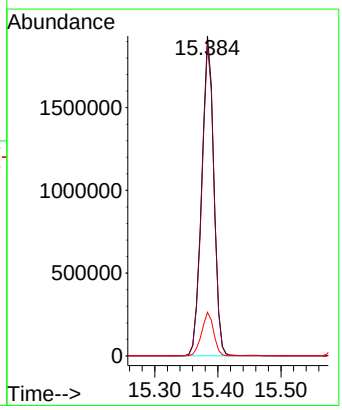
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

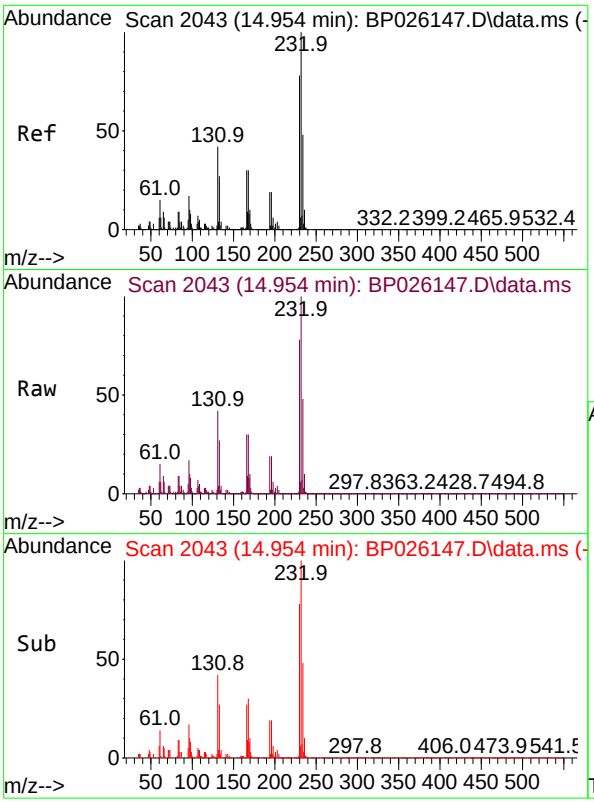


#58
Fluorene
Concen: 39.135 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:166 Resp: 2576477

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.9	116.9
167	13.6	11.0	16.4

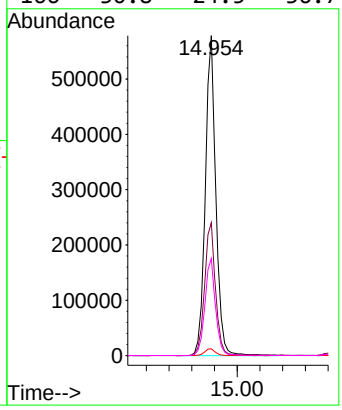




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.827 ng
RT: 14.954 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:232 Resp: 74629

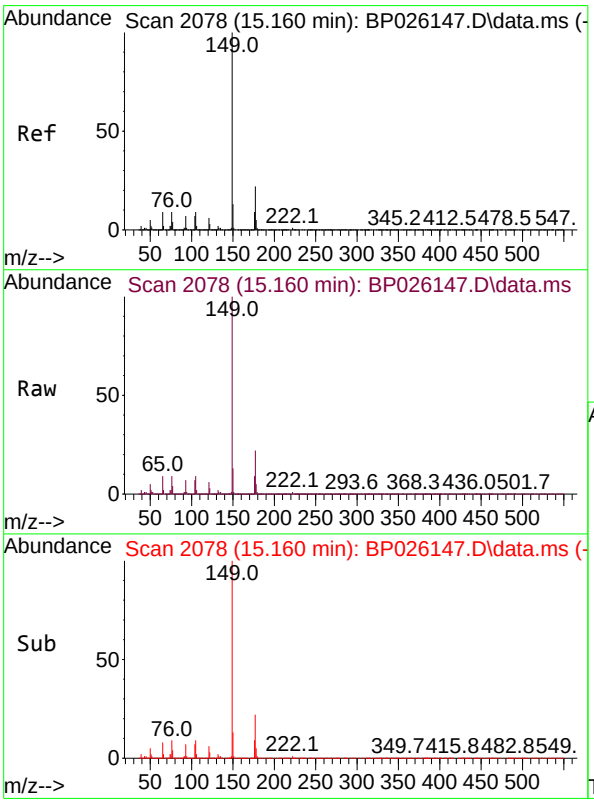
Ion	Ratio	Lower	Upper
232	100		
131	43.2	34.8	52.2
130	2.2	1.8	2.8
166	30.8	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

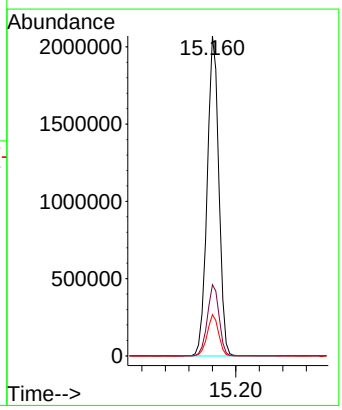
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

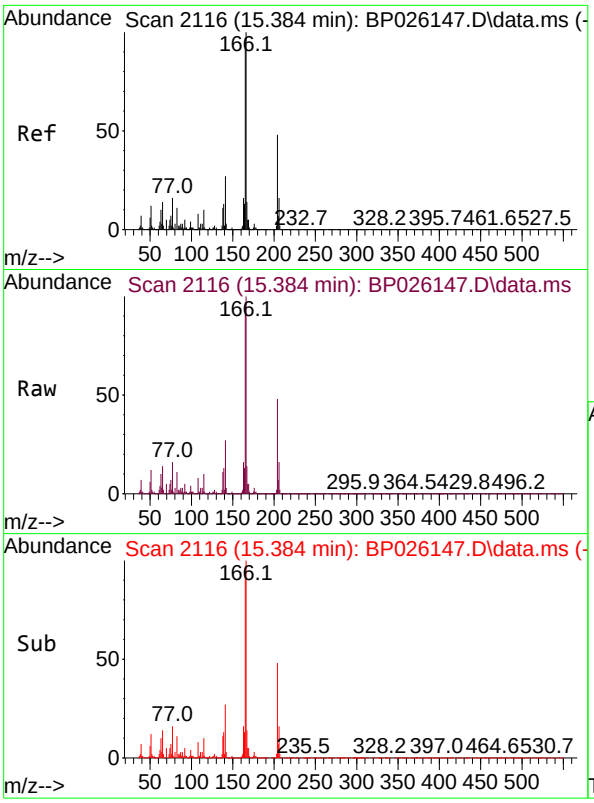


#60
Diethylphthalate
Concen: 40.313 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:149 Resp: 2841743

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.9	9.9	14.9

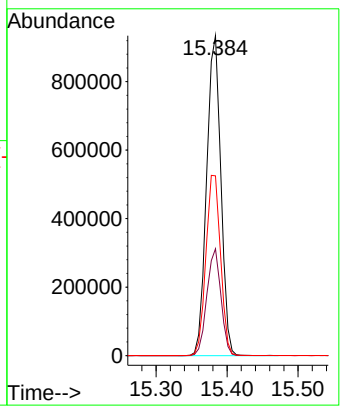




#61
4-Chlorophenyl-phenylether
Concen: 39.576 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:204 Resp: 129332

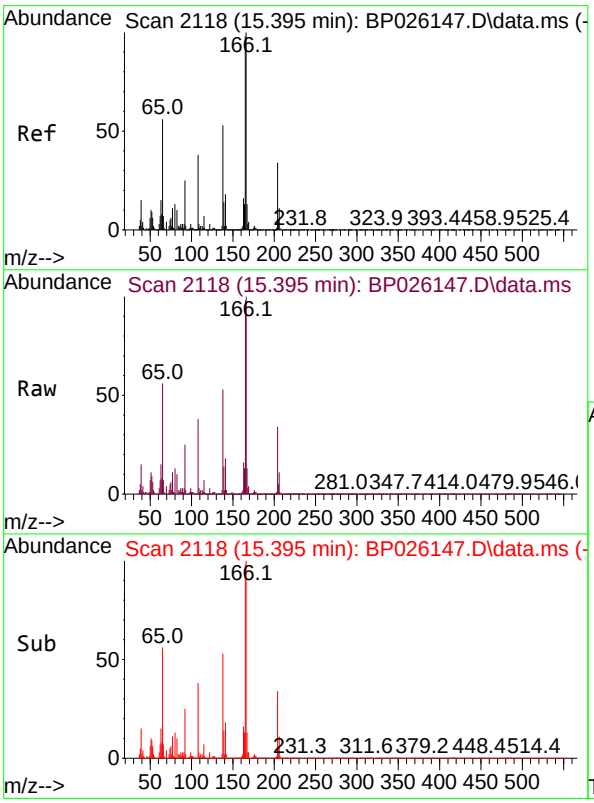
Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.2
141	56.2	48.1	72.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

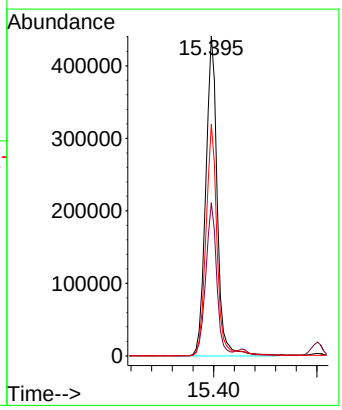
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

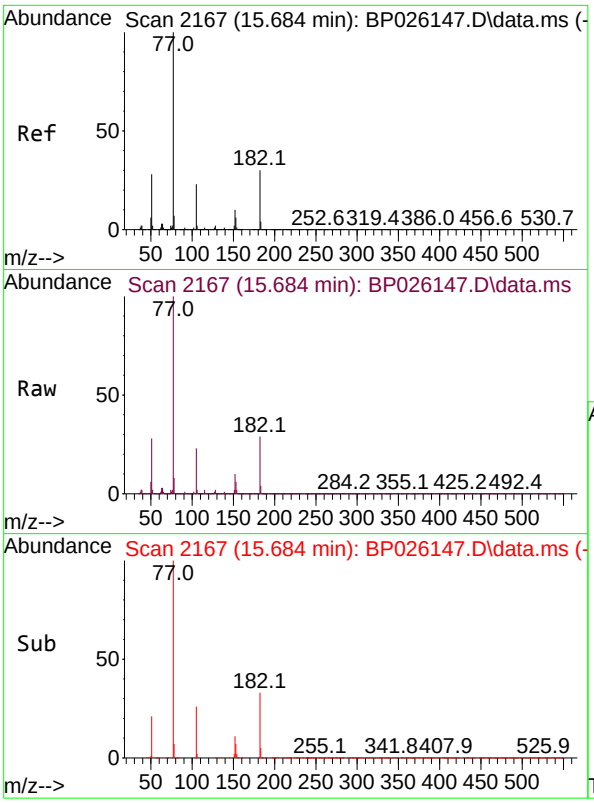


#62
4-Nitroaniline
Concen: 40.085 ng
RT: 15.395 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:138 Resp: 681705

Ion	Ratio	Lower	Upper
138	100		
92	47.9	27.5	67.5
108	72.4	51.1	91.1

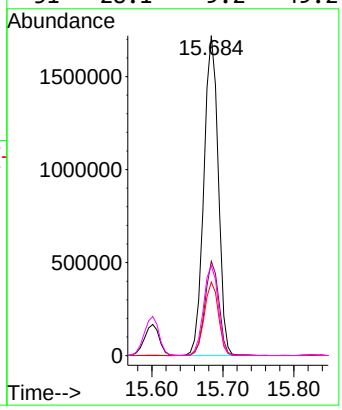




#63
Azobenzene
Concen: 40.665 ng
RT: 15.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion: 77 Resp: 240836

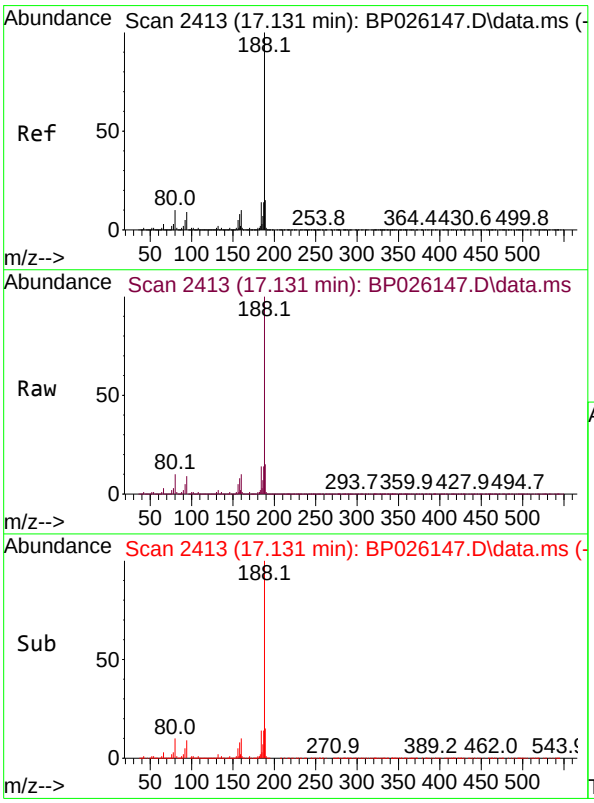
Ion	Ratio	Lower	Upper
77	100		
182	29.5	8.8	48.8
105	23.0	2.6	42.6
51	28.1	9.2	49.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

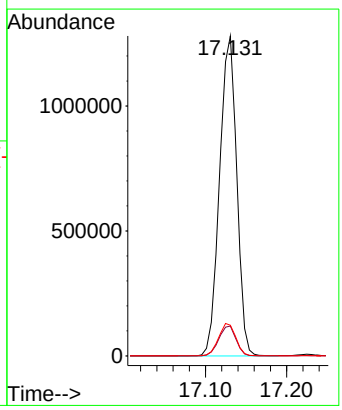
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

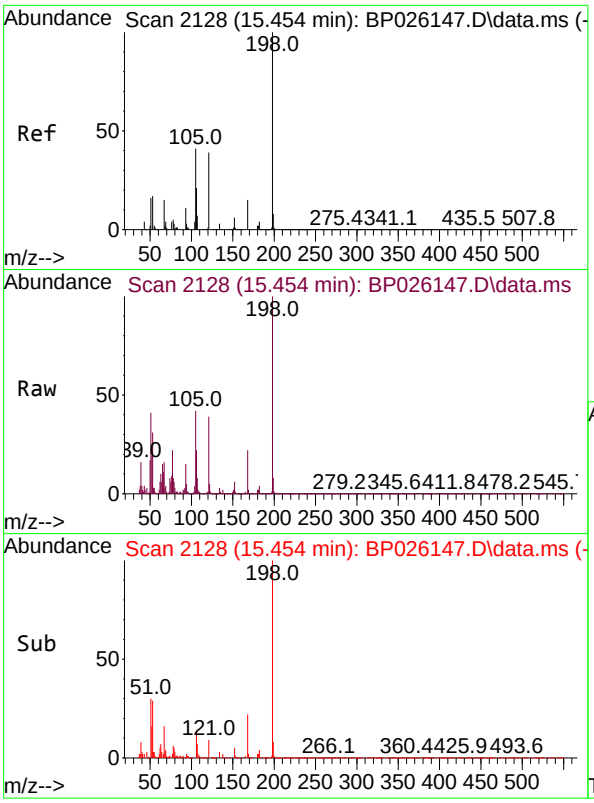


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:188 Resp: 1878028

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.8	11.6
80	9.6	8.2	12.2

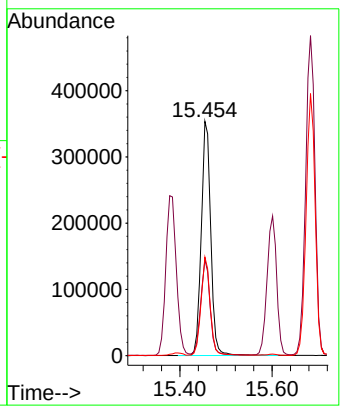




#65
4,6-Dinitro-2-methylphenol
Concen: 42.621 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:198 Resp: 50371

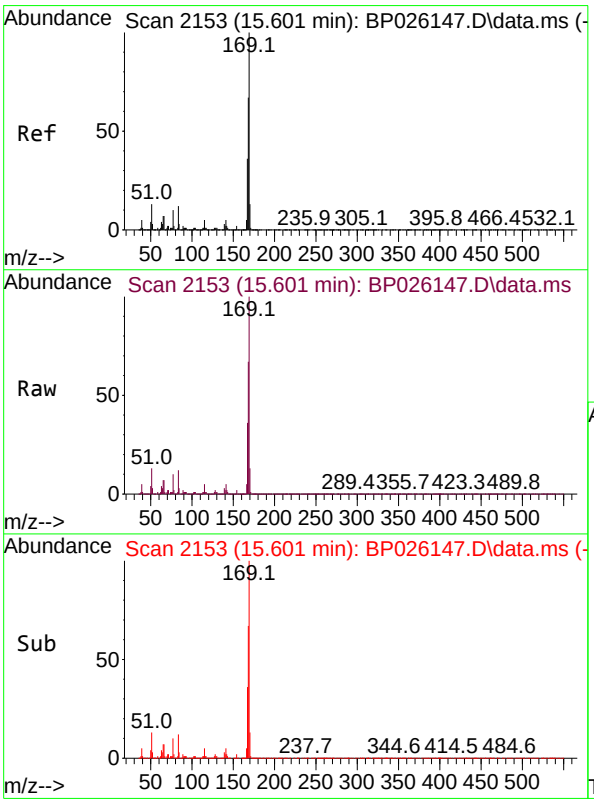
Ion	Ratio	Lower	Upper
198	100		
51	40.9	18.4	58.4
105	42.0	18.5	58.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

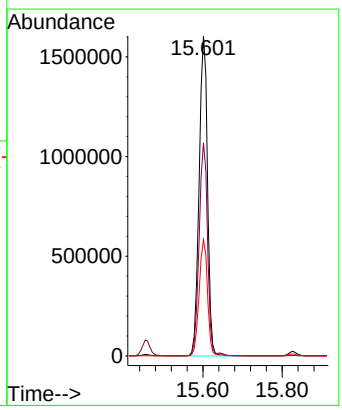
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

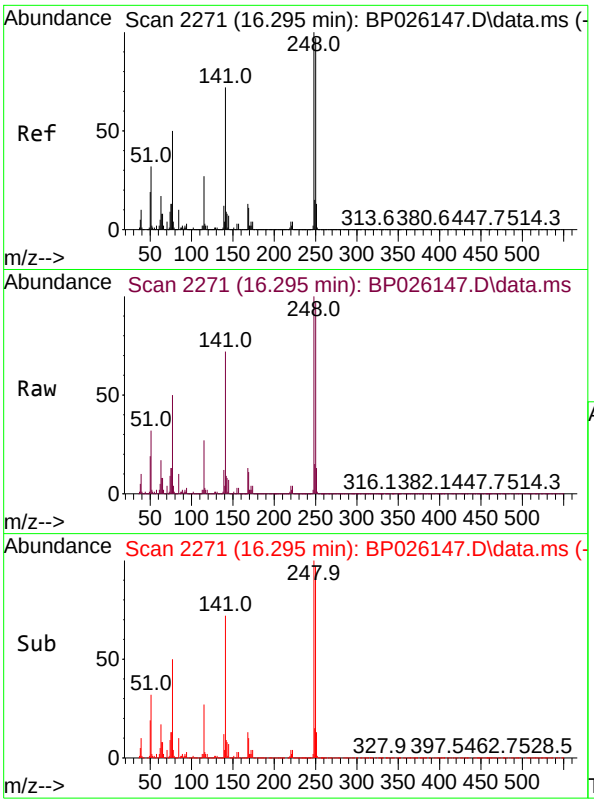


#66
n-Nitrosodiphenylamine
Concen: 40.344 ng
RT: 15.601 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:169 Resp: 2344222

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.1	79.7
167	36.3	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 41.519 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

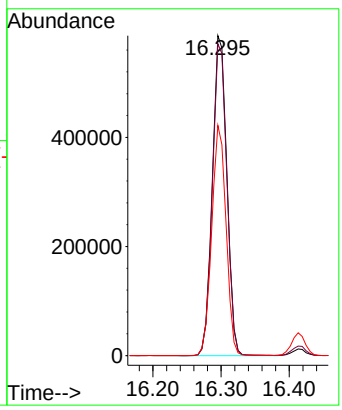
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

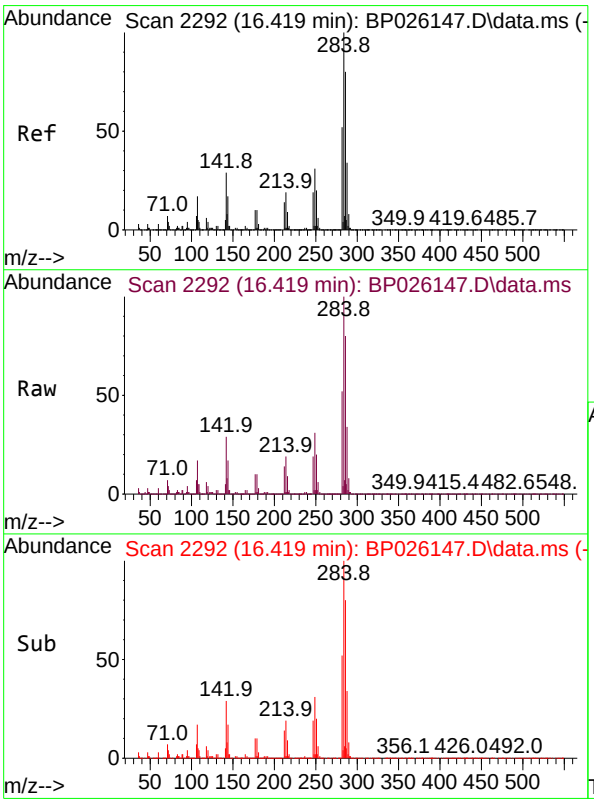
Tgt Ion:248 Resp: 86169

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.8	116.6
141	71.9	55.4	83.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

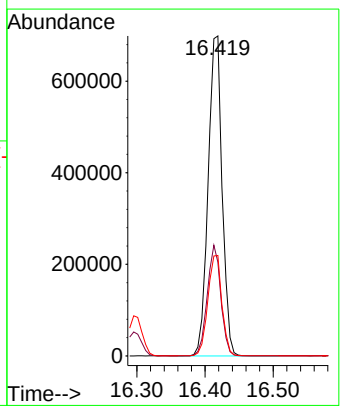


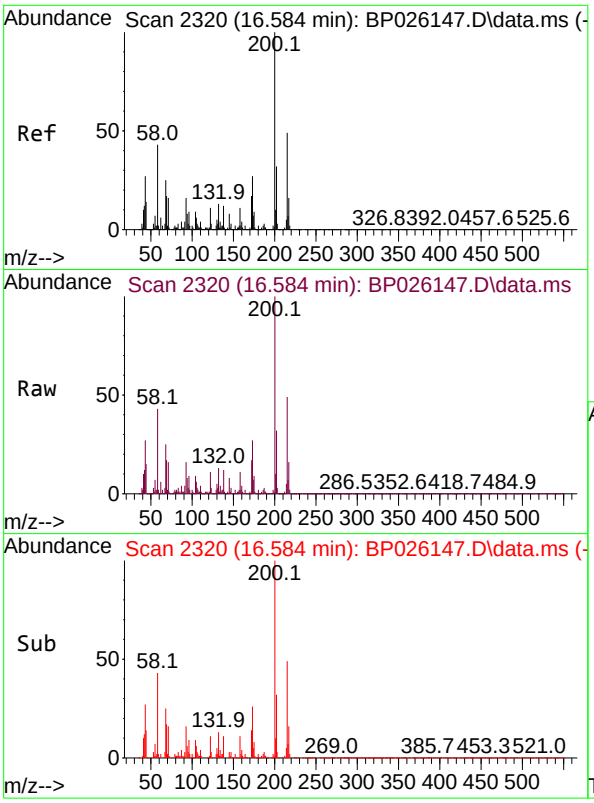


#68
Hexachlorobenzene
Concen: 41.466 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:284 Resp: 994319

Ion	Ratio	Lower	Upper
284	100		
142	29.3	28.0	42.0
249	31.4	25.0	37.4





#69
Atrazine
Concen: 40.815 ng
RT: 16.584 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

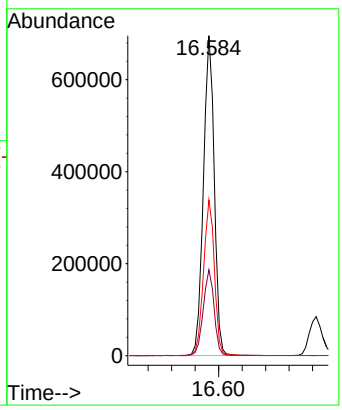
Tgt Ion:200 Resp: 89306

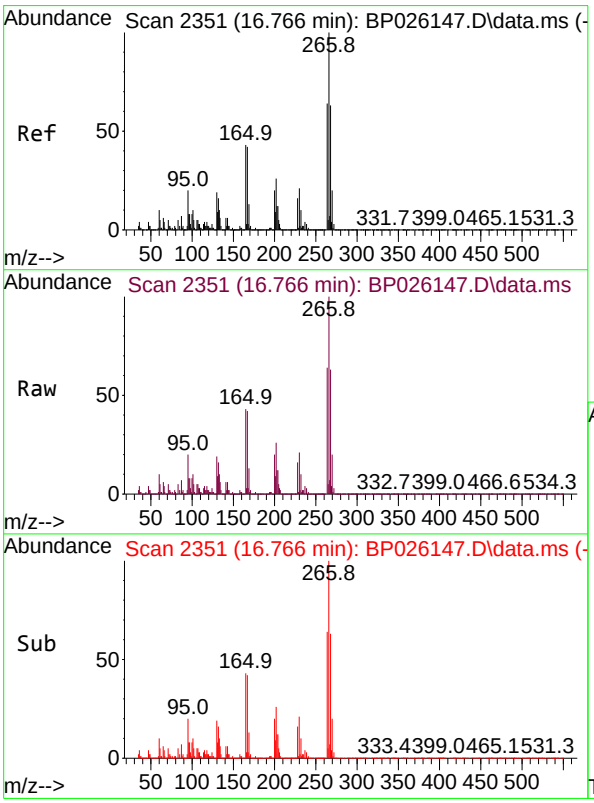
Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.7	46.7
215	48.7	27.4	67.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

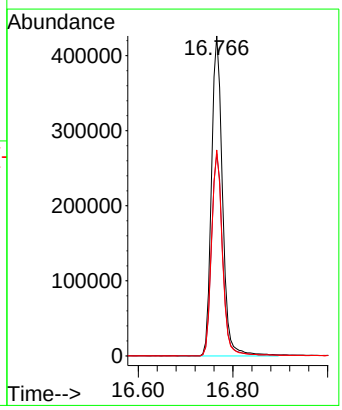


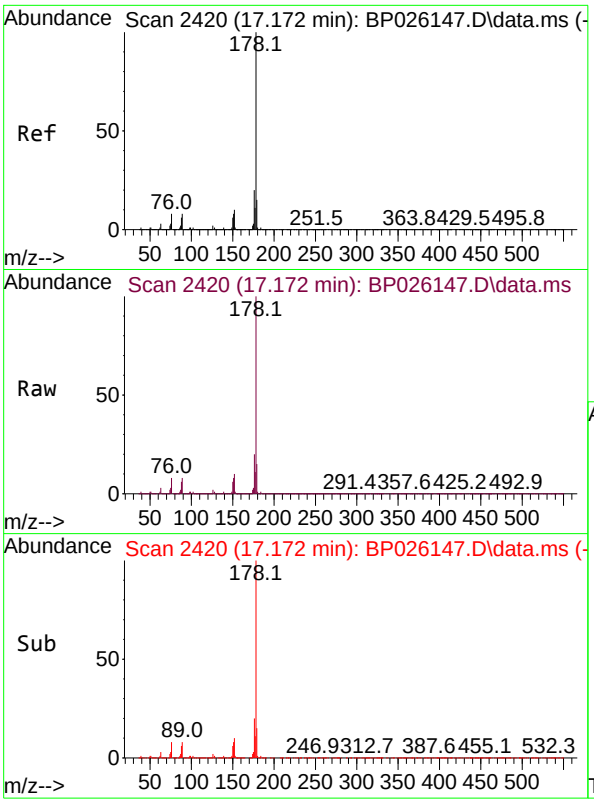


#70
Pentachlorophenol
Concen: 40.947 ng
RT: 16.766 min Scan# 2351
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:266 Resp: 688877

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.0	76.4
264	64.3	50.2	75.2

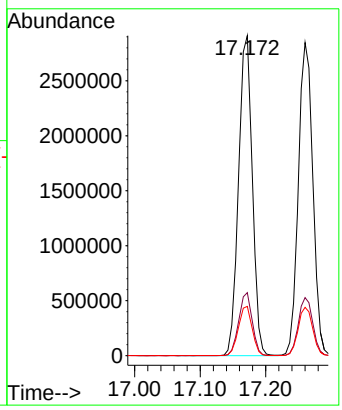




#71
Phenanthrene
Concen: 39.682 ng
RT: 17.172 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:178 Resp: 421615

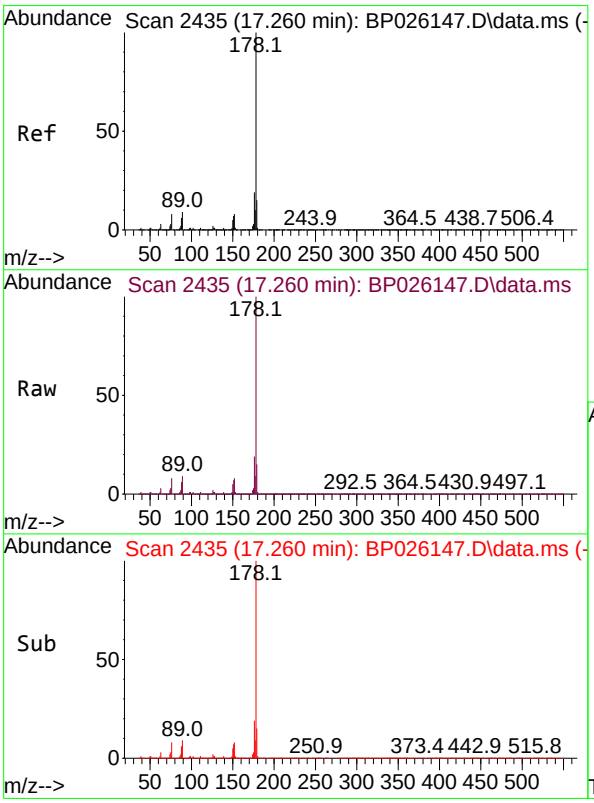
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

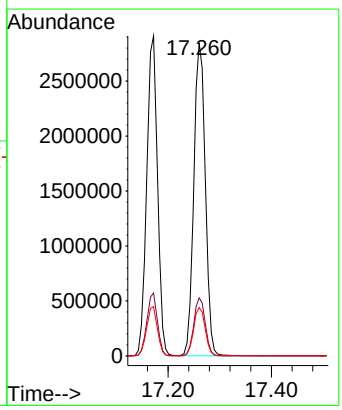
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

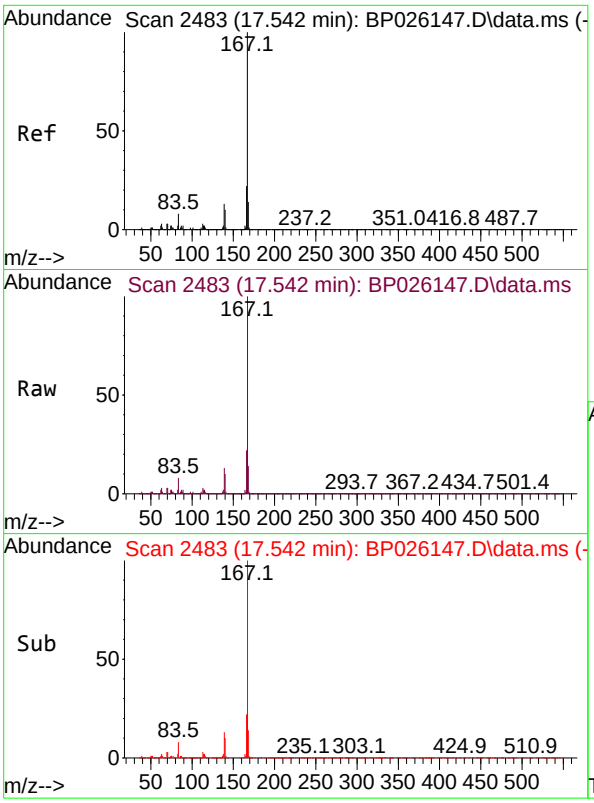


#72
Anthracene
Concen: 40.544 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:178 Resp: 4399641

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.2	18.4

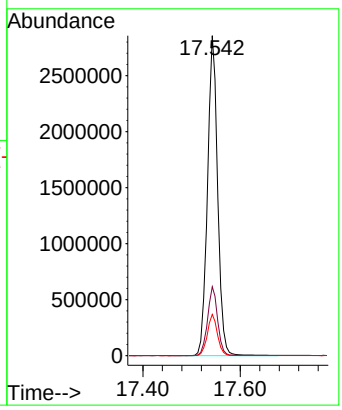




#73
Carbazole
Concen: 40.424 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:167 Resp: 414984

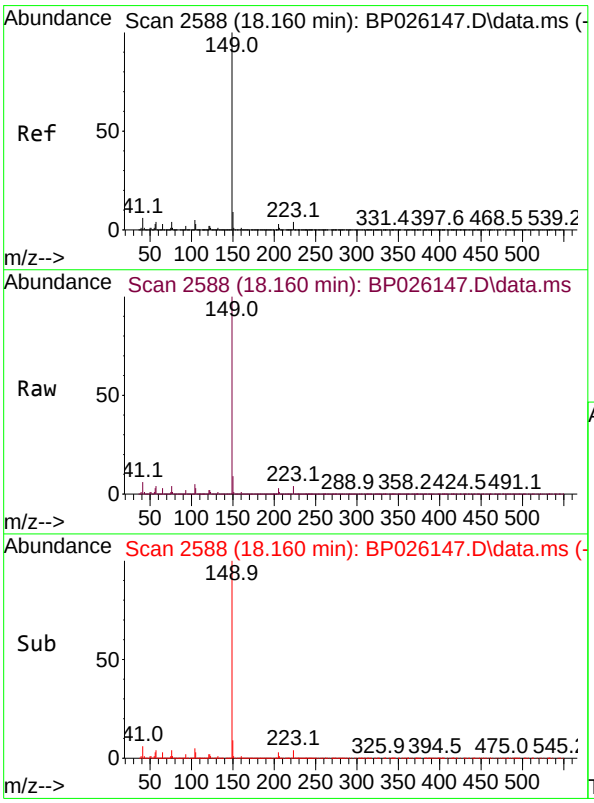
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.9	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

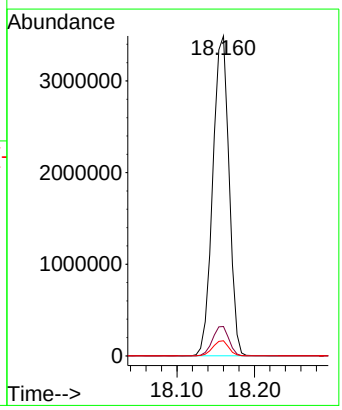
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

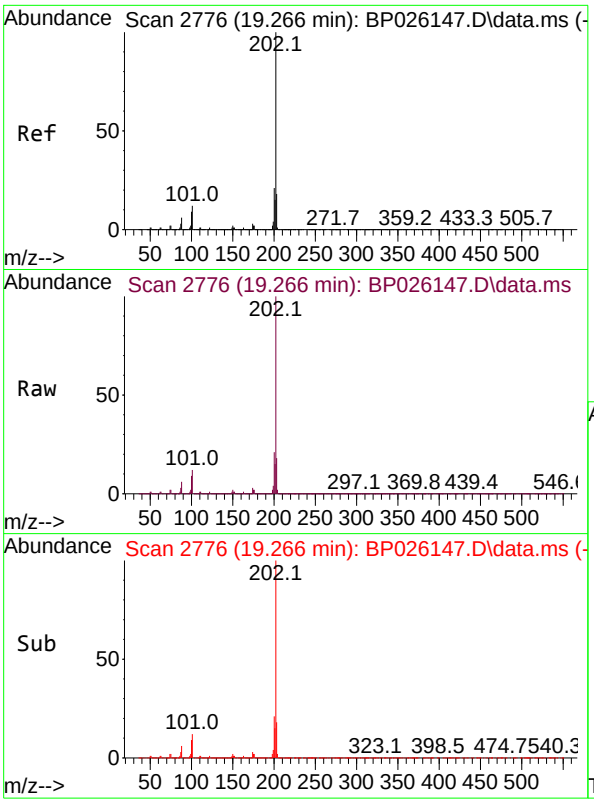


#74
Di-n-butylphthalate
Concen: 41.877 ng
RT: 18.160 min Scan# 2588
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:149 Resp: 5102416

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.7	3.6	5.4





#75
Fluoranthene
Concen: 39.601 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

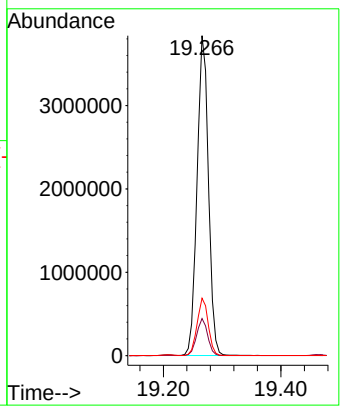
Tgt Ion:202 Resp: 514258

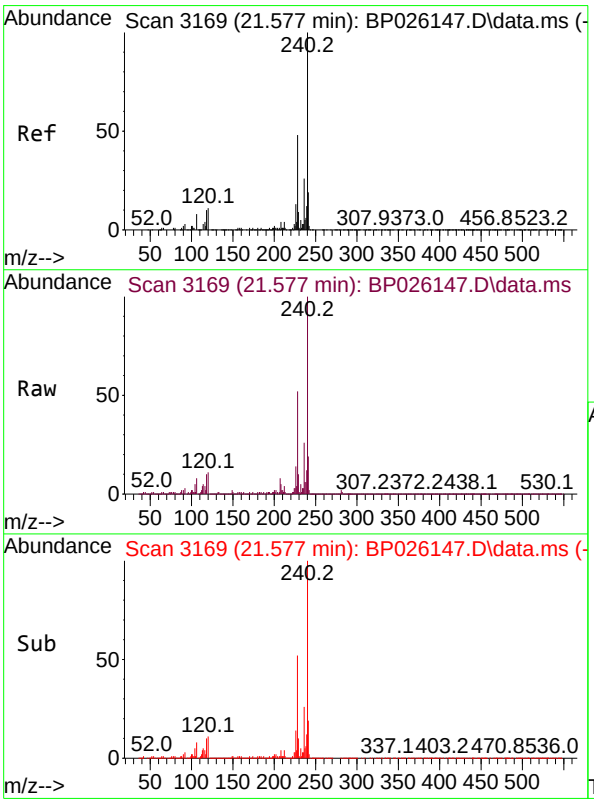
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
203	17.9	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

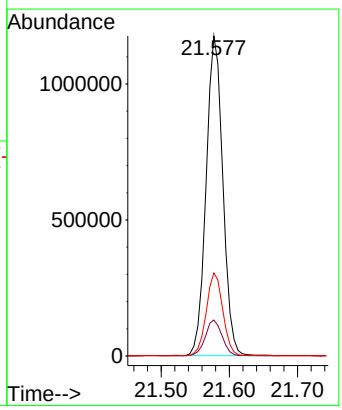


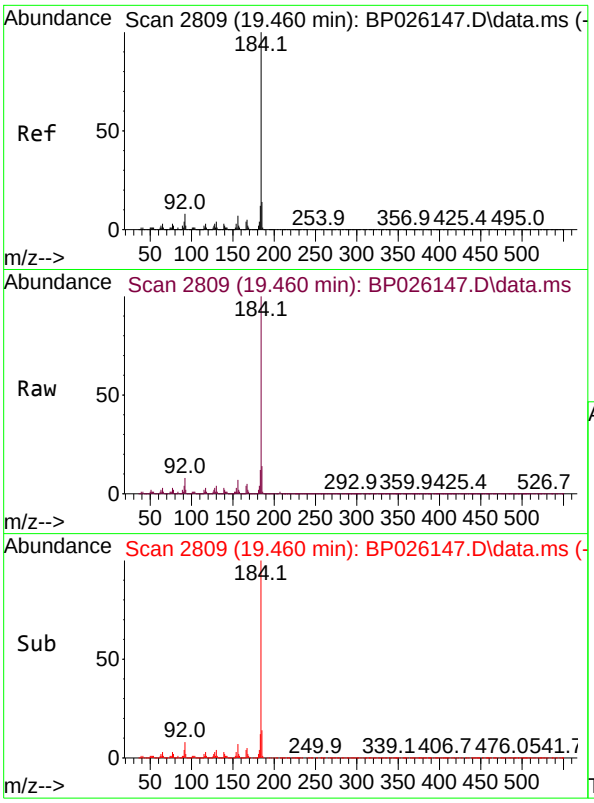


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:240 Resp: 1999579

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.9	20.4	30.6

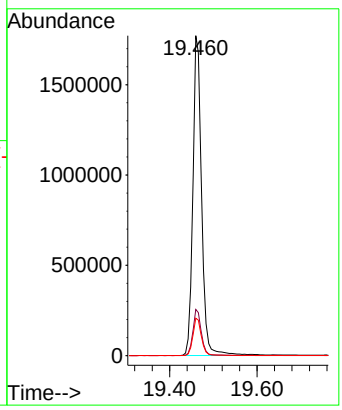




#77
Benzidine
Concen: 40.014 ng
RT: 19.460 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:184 Resp: 246280

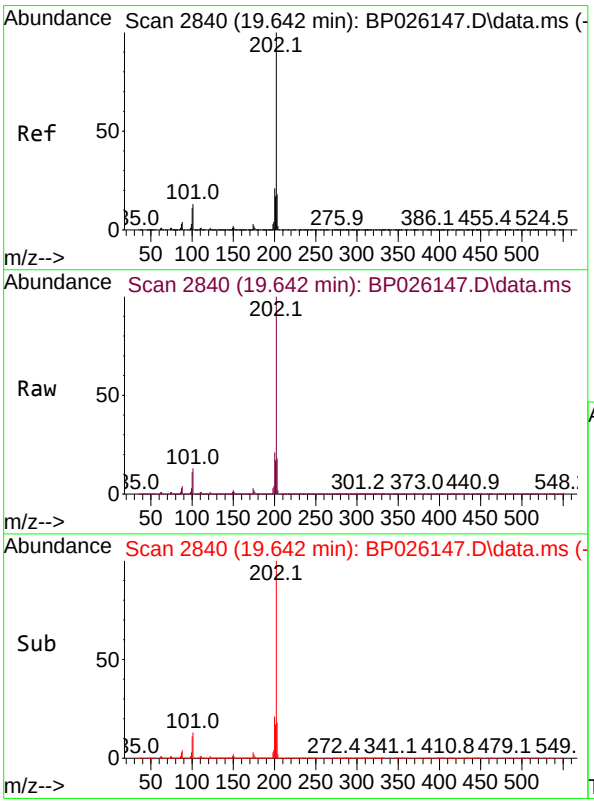
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	11.7	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

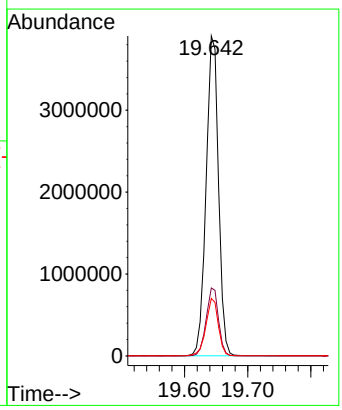
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

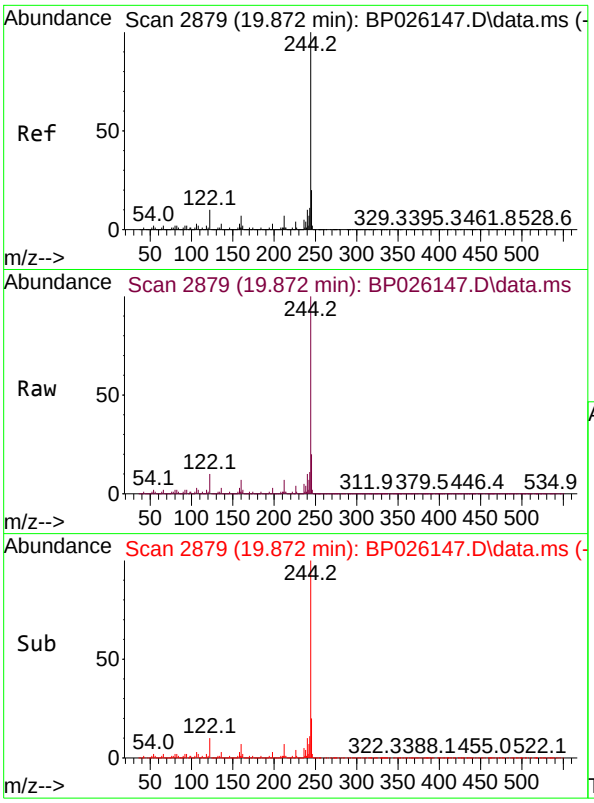


#78
Pyrene
Concen: 40.857 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:202 Resp: 5323064

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.0	13.8	20.8

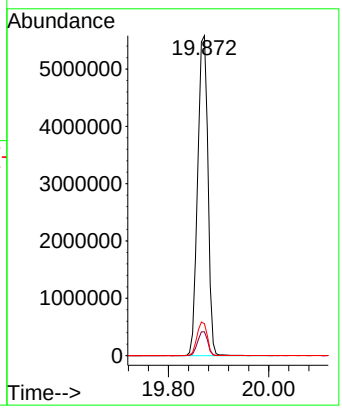




#79
Terphenyl-d14
Concen: 80.792 ng
RT: 19.872 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:244 Resp: 792201

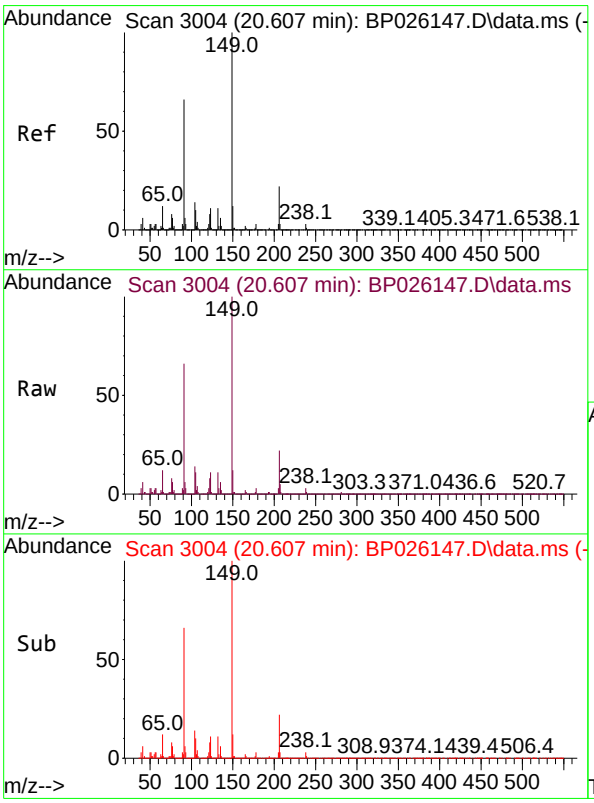
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.0	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

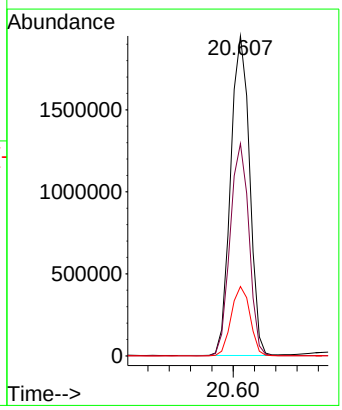
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

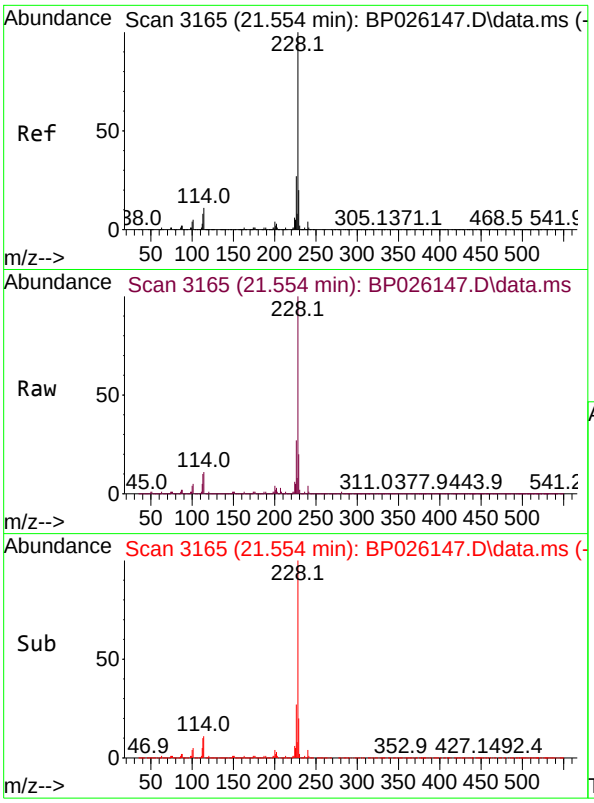


#80
Butylbenzylphthalate
Concen: 41.564 ng
RT: 20.607 min Scan# 3004
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:149 Resp: 2411743

Ion	Ratio	Lower	Upper
149	100		
91	66.4	52.6	79.0
206	21.7	16.9	25.3

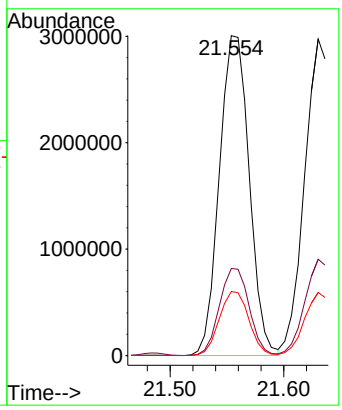




#81
Benzo(a)anthracene
Concen: 40.116 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:228 Resp: 550127

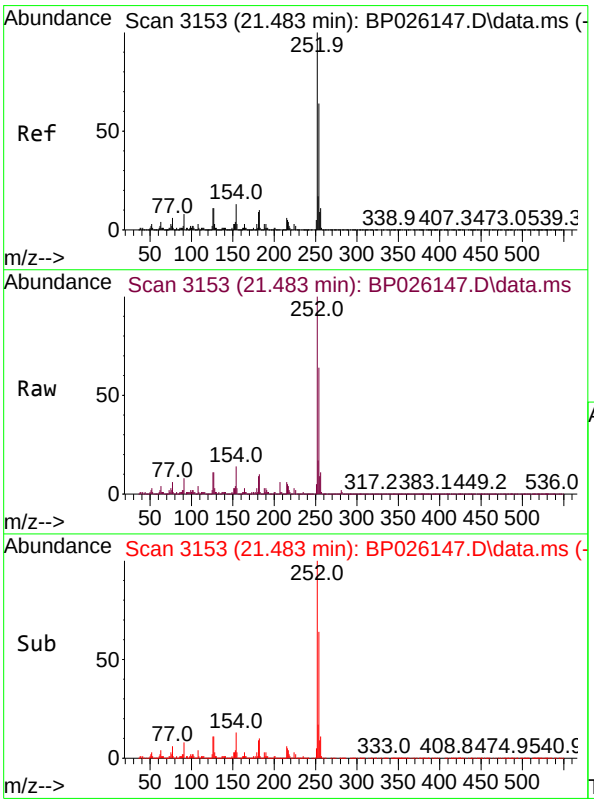
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

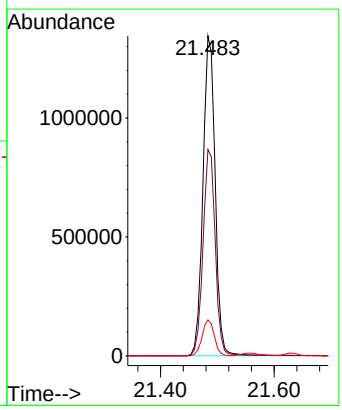
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

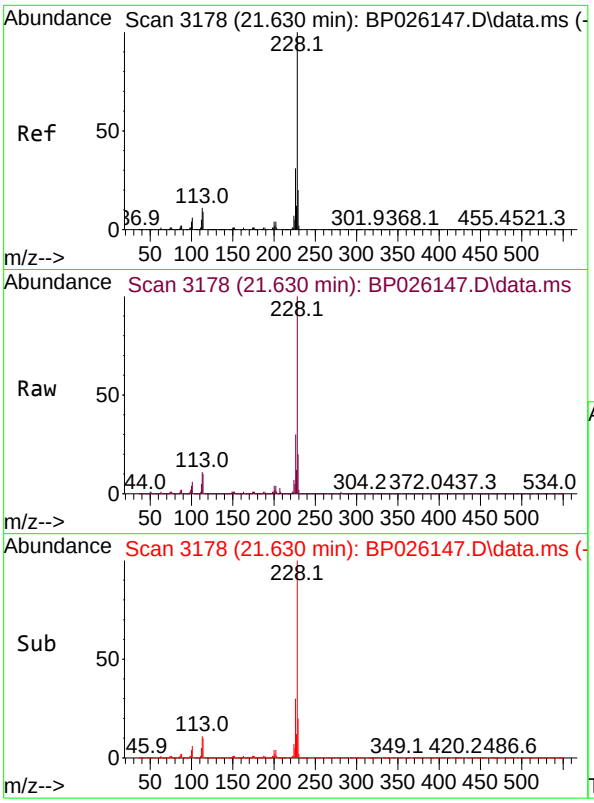


#82
3,3'-Dichlorobenzidine
Concen: 40.145 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:252 Resp: 2000641

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.2	76.8
126	11.3	8.2	12.4

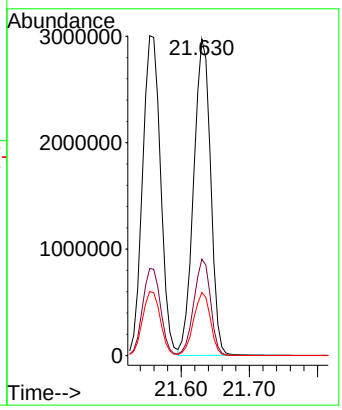




#83
Chrysene
Concen: 39.774 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:228 Resp: 513512

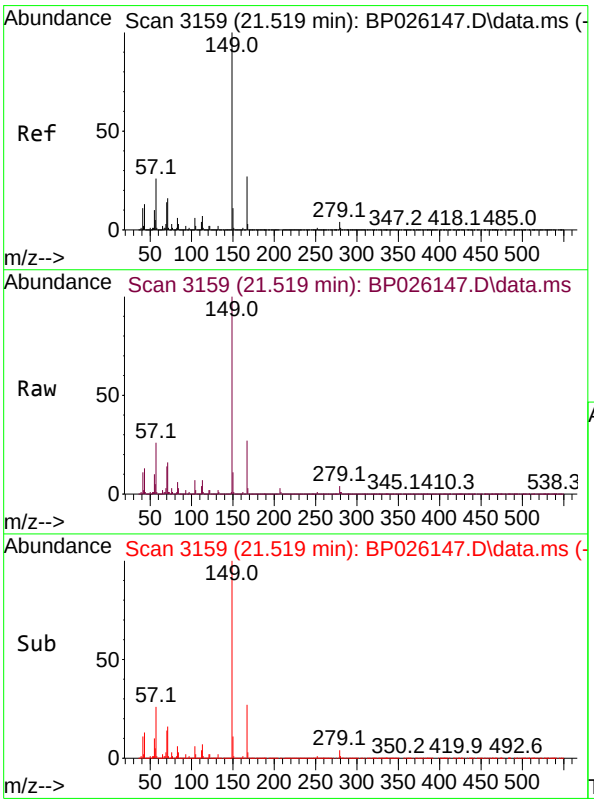
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

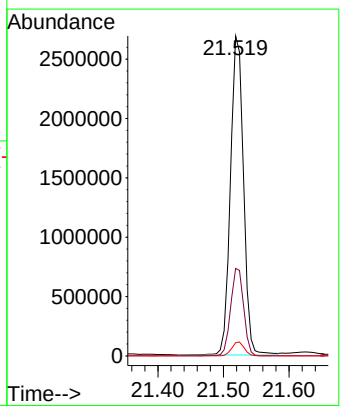
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

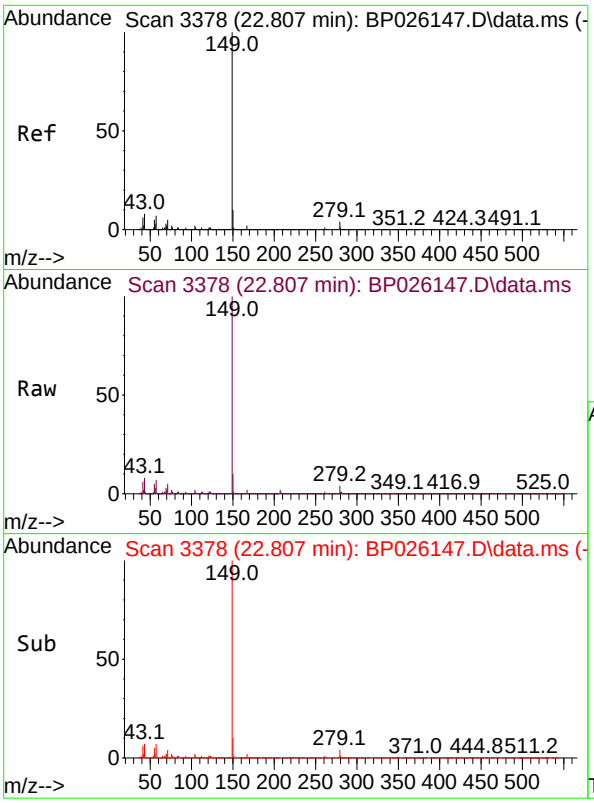


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.841 ng
RT: 21.519 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:149 Resp: 3731352

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.1	3.3	4.9

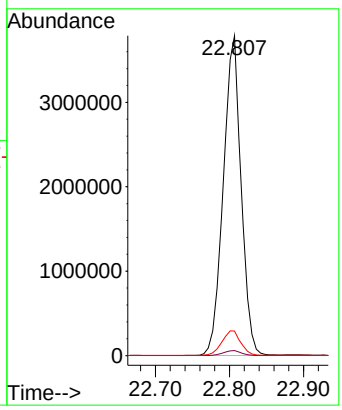




#85
Di-n-octyl phthalate
Concen: 41.246 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:149 Resp: 632217

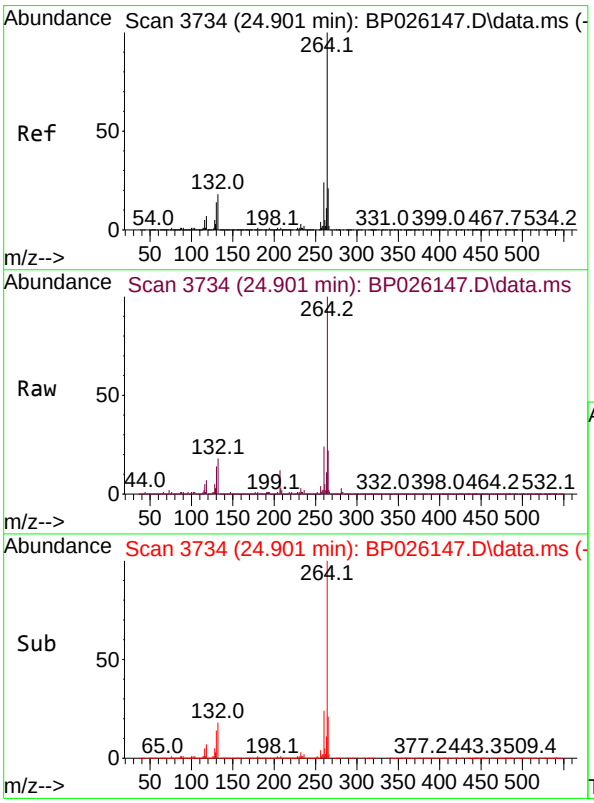
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.1	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

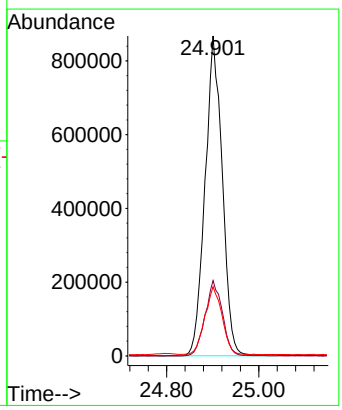
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

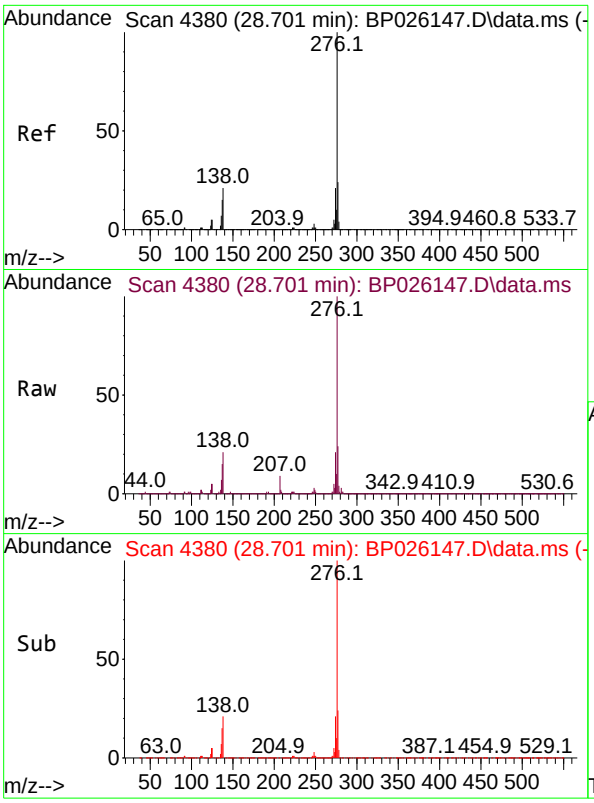


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.901 min Scan# 3734
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:264 Resp: 2243799

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.5	26.3

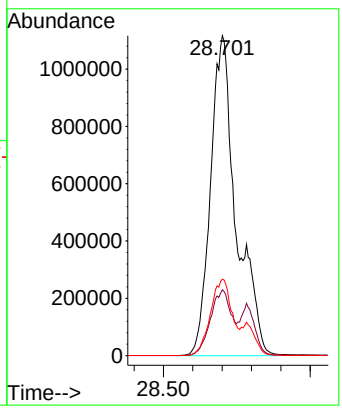




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.563 ng m
RT: 28.701 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:276 Resp: 678031

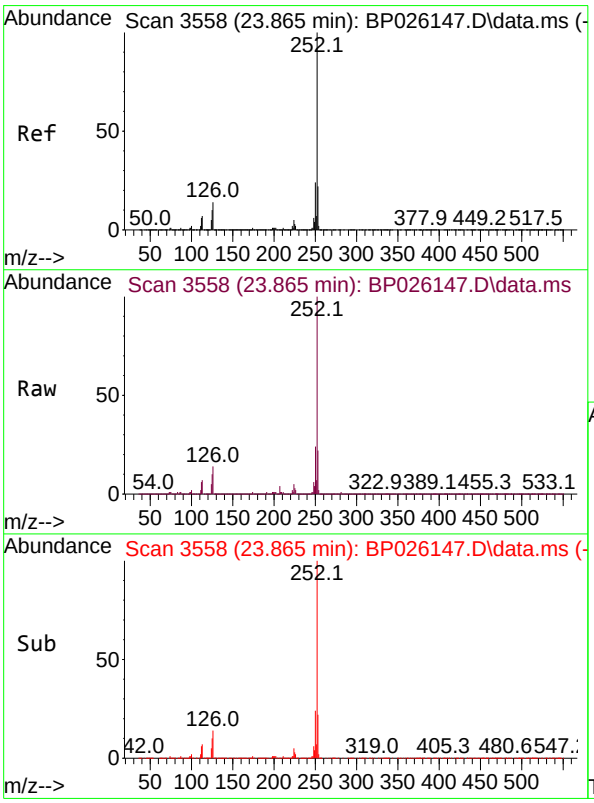
Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.8	20.8
277	20.1	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

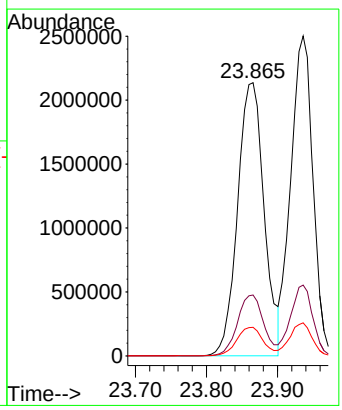
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

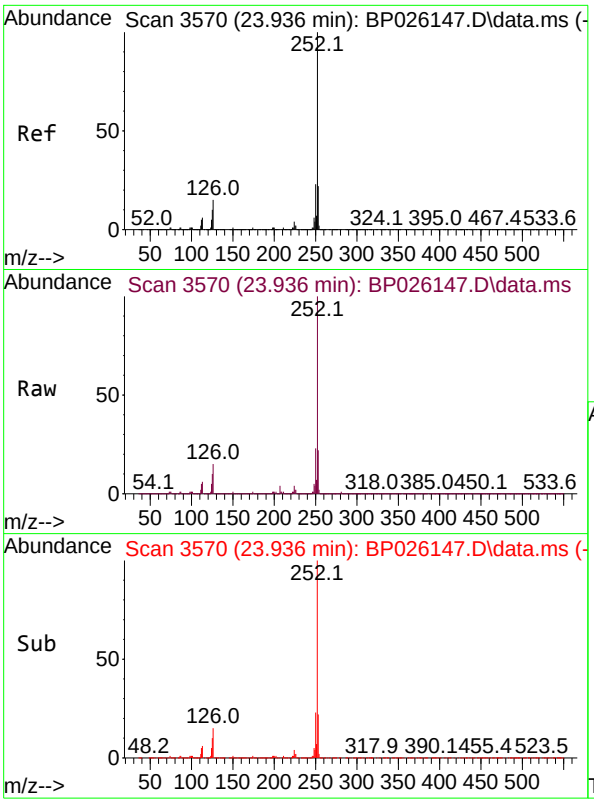


#88
Benzo(b)fluoranthene
Concen: 40.699 ng
RT: 23.865 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:252 Resp: 5552010

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.5	8.2	12.4

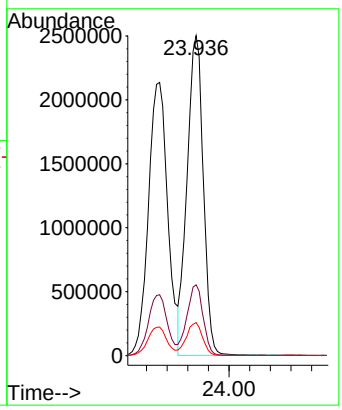




#89
Benzo(k)fluoranthene
Concen: 39.935 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:252 Resp: 544457

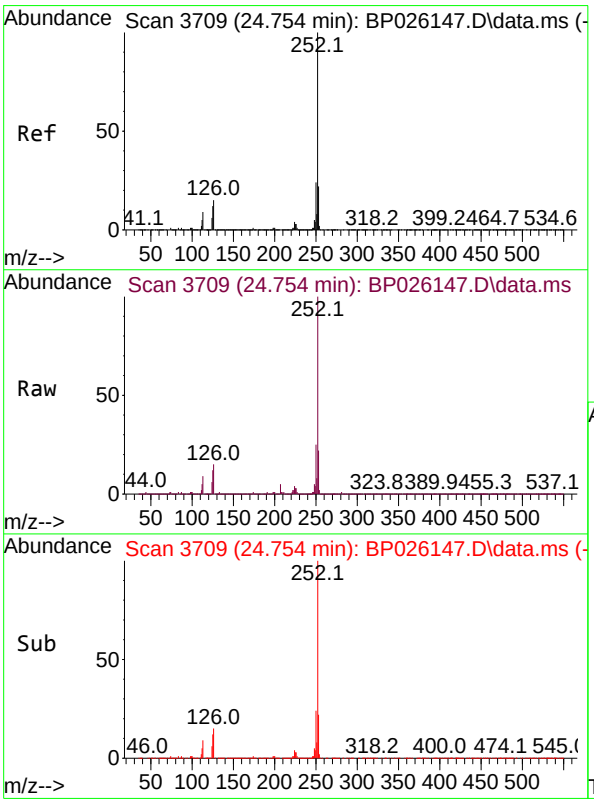
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.3	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

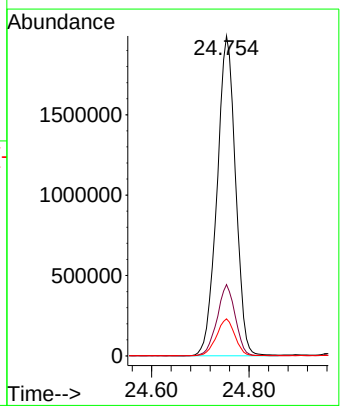
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

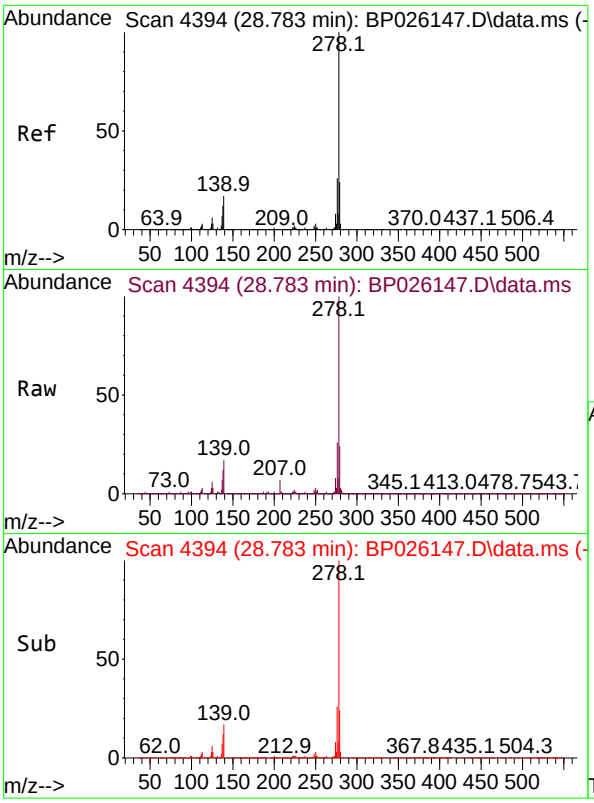


#90
Benzo(a)pyrene
Concen: 40.506 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:252 Resp: 5241553

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	11.6	9.0	13.6

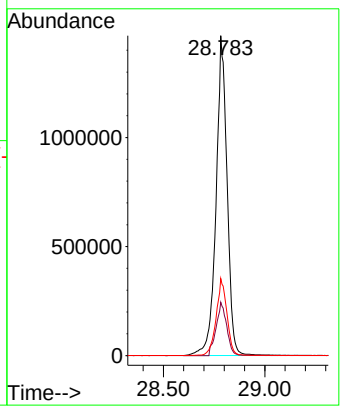




#91
Dibenzo(a,h)anthracene
Concen: 40.515 ng
RT: 28.783 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:278 Resp: 555050

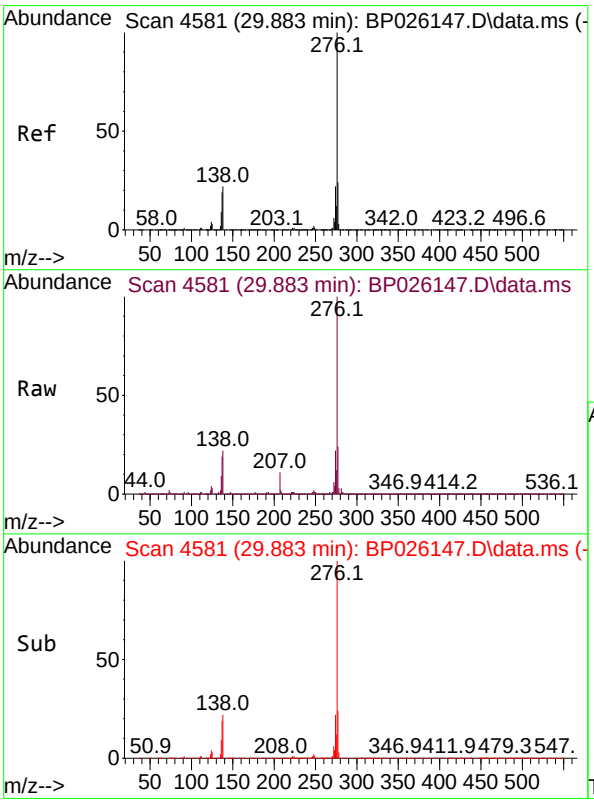
Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.2	19.8
279	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

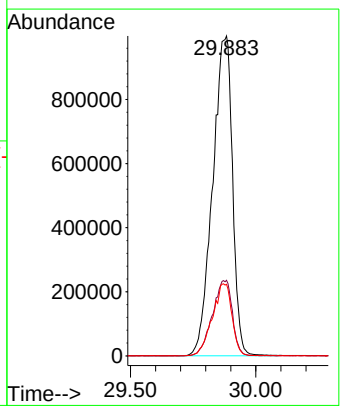
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 40.345 ng
RT: 29.883 min Scan# 4581
Delta R.T. 0.000 min
Lab File: BP026147.D
Acq: 18 Nov 2025 17:57

Tgt Ion:276 Resp: 5486208

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	22.4	17.8	26.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026148.D
Acq On : 18 Nov 2025 18:38
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Nov 19 00:41:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.666	152	284760	20.000	ng		0.00
21) Naphthalene-d8	10.443	136	1214236	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	797553	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1640808	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1705823	20.000	ng		0.01
86) Perylene-d12	24.912	264	1916962	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	1787355	103.554	ng		0.00
7) Phenol-d6	6.849	99	2324244	106.156	ng		0.00
23) Nitrobenzene-d5	8.813	82	2130648	108.572	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	1046471	119.774	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	5250598	94.988	ng		0.00
79) Terphenyl-d14	19.877	244	8280260	98.986	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.220	88	357043	49.304	ng		100
3) Pyridine	3.614	79	1057361	51.355	ng		99
4) n-Nitrosodimethylamine	3.525	42	393135	48.177	ng		95
6) Aniline	7.002	93	1522371	52.159	ng		99
8) 2-Chlorophenol	7.243	128	1033720	54.061	ng		100
9) Benzaldehyde	6.819	77	511940	46.418	ng		97
10) Phenol	6.878	94	1252505	51.731	ng		99
11) bis(2-Chloroethyl)ether	7.102	93	970673	50.634	ng		98
12) 1,3-Dichlorobenzene	7.560	146	1088080	49.825	ng		100
13) 1,4-Dichlorobenzene	7.708	146	1100252	49.770	ng		99
14) 1,2-Dichlorobenzene	8.019	146	1053763	49.909	ng		99
15) Benzyl Alcohol	7.907	79	849842	53.672	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.196	45	1369615	47.705	ng		99
17) 2-Methylphenol	8.107	107	855650	53.750	ng		100
18) Hexachloroethane	8.743	117	401949	52.632	ng		97
19) n-Nitroso-di-n-propyla...	8.472	70	739380	54.488	ng		99
20) 3+4-Methylphenols	8.437	107	1173430	53.045	ng		99
22) Acetophenone	8.484	105	1530333	49.988	ng	#	99
24) Nitrobenzene	8.855	77	1083333	52.708	ng		99
25) Isophorone	9.384	82	2155778	51.899	ng		100
26) 2-Nitrophenol	9.560	139	575059	81.975	ng		99
27) 2,4-Dimethylphenol	9.625	122	996274	56.199	ng		99
28) bis(2-Chloroethoxy)met...	9.860	93	1340577	51.133	ng		99
29) 2,4-Dichlorophenol	10.096	162	1002063	54.165	ng		99
30) 1,2,4-Trichlorobenzene	10.307	180	986319	49.160	ng		99
31) Naphthalene	10.496	128	3258341	49.431	ng		99
32) Benzoic acid	9.766	122	836318	78.248	ng		100
33) 4-Chloroaniline	10.596	127	1404875	54.856	ng		99
34) Hexachlorobutadiene	10.784	225	639671	49.818	ng		99
35) Caprolactam	11.384	113	356958	55.200	ng		98
36) 4-Chloro-3-methylphenol	11.731	107	1079361	55.785	ng		98
37) 2-Methylnaphthalene	12.107	142	2347741	50.940	ng		100
38) 1-Methylnaphthalene	12.325	142	2264098	50.528	ng		100
40) 1,2,4,5-Tetrachloroben...	12.484	216	1184632	47.999	ng		100
41) Hexachlorocyclopentadiene	12.472	237	789794	76.949	ng		99
43) 2,4,6-Trichlorophenol	12.719	196	837942	56.757	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026148.D
Acq On : 18 Nov 2025 18:38
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Nov 19 00:41:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	934561	55.717	ng		99
46) 1,1'-Biphenyl	13.131	154	2928877	48.177	ng		99
47) 2-Chloronaphthalene	13.172	162	2321684	48.576	ng		99
48) 2-Nitroaniline	13.372	65	669977	60.939	ng		96
49) Acenaphthylene	14.031	152	3873345	54.828	ng		100
50) Dimethylphthalate	13.766	163	2930655	50.746	ng		100
51) 2,6-Dinitrotoluene	13.878	165	622671	64.134	ng		98
52) Acenaphthene	14.384	154	2275322	48.135	ng		99
53) 3-Nitroaniline	14.213	138	725831	61.795	ng		97
54) 2,4-Dinitrophenol	14.419	184	372594	83.625	ng		95
55) Dibenzofuran	14.725	168	3514504	48.822	ng		99
56) 4-Nitrophenol	14.537	139	626548	53.593	ng		98
57) 2,4-Dinitrotoluene	14.684	165	925879	65.348	ng		99
58) Fluorene	15.389	166	2739619	48.440	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	791779	59.606	ng		100
60) Diethylphthalate	15.166	149	2976494	51.232	ng		100
61) 4-Chlorophenyl-phenyle...	15.389	204	1378247	48.888	ng		97
62) 4-Nitroaniline	15.401	138	734482	58.965	ng		100
63) Azobenzene	15.689	77	2549241	48.803	ng		99
65) 4,6-Dinitro-2-methylph...	15.460	198	539726	77.066	ng		98
66) n-Nitrosodiphenylamine	15.601	169	2501945	48.943	ng		100
67) 4-Bromophenyl-phenylether	16.295	248	906367	49.759	ng		98
68) Hexachlorobenzene	16.419	284	1044994	50.429	ng		98
69) Atrazine	16.584	200	954570	54.471	ng		98
70) Pentachlorophenol	16.772	266	733498	56.819	ng		99
71) Phenanthrene	17.172	178	4521516	47.698	ng		100
72) Anthracene	17.260	178	4603902	48.679	ng		100
73) Carbazole	17.542	167	4285462	48.149	ng		99
74) Di-n-butylphthalate	18.160	149	5349681	53.150	ng		100
75) Fluoranthene	19.266	202	5367252	48.317	ng		100
77) Benzidine	19.466	184	2691261	60.082	ng		99
78) Pyrene	19.648	202	5584319	49.020	ng		99
80) Butylbenzylphthalate	20.613	149	2508473	65.680	ng		98
81) Benzo(a)anthracene	21.560	228	5754455	49.402	ng		100
82) 3,3'-Dichlorobenzidine	21.483	252	2099346	54.722	ng		99
83) Chrysene	21.630	228	5399638	48.904	ng		99
84) Bis(2-ethylhexyl)phtha...	21.524	149	3735211	59.805	ng		99
85) Di-n-octyl phthalate	22.813	149	6624425	62.248	ng		100
87) Indeno(1,2,3-cd)pyrene	28.706	276	7108078	50.540	ng	#	95
88) Benzo(b)fluoranthene	23.871	252	5855690	49.795	ng		99
89) Benzo(k)fluoranthene	23.942	252	5812408	48.345	ng		99
90) Benzo(a)pyrene	24.771	252	5498511	50.567	ng		99
91) Dibenzo(a,h)anthracene	28.777	278	5794869	50.535	ng		99
92) Benzo(g,h,i)perylene	29.865	276	5679489	51.276	ng		99

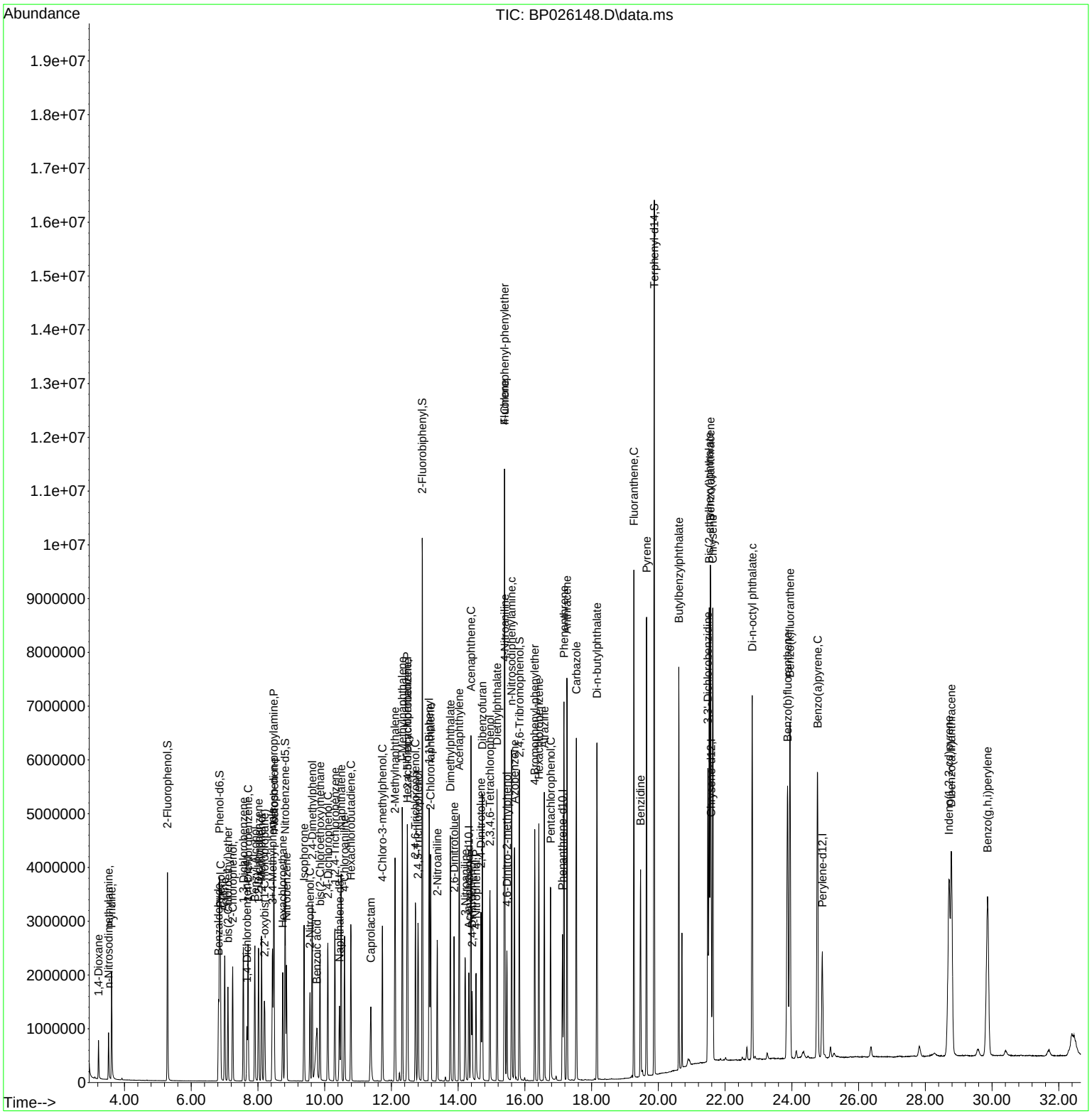
(#) = qualifier out of range (m) = manual integration (+) = signals summed

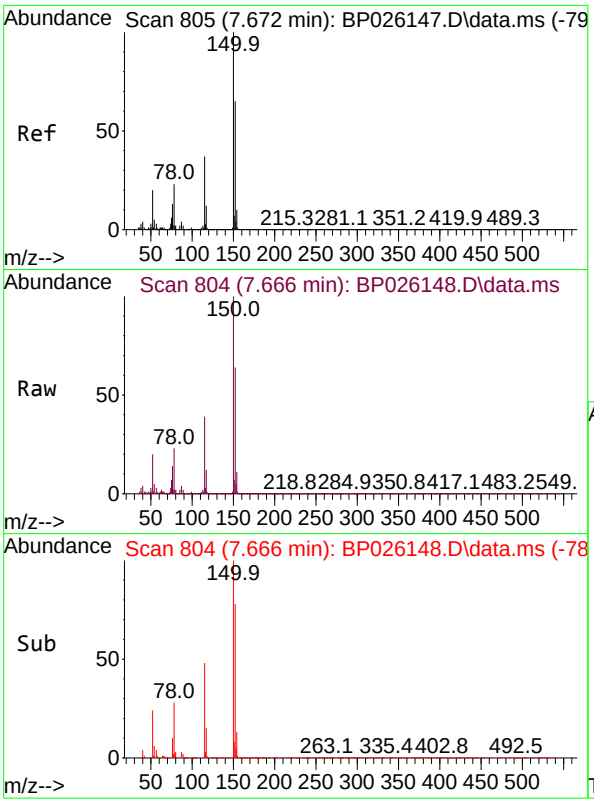
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026148.D
Acq On : 18 Nov 2025 18:38
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Nov 19 00:41:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration



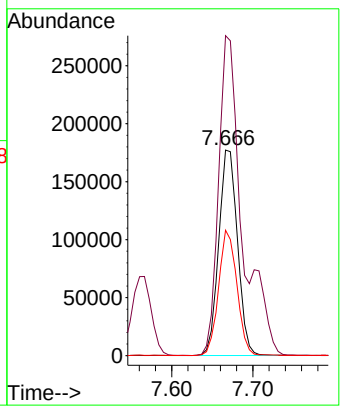


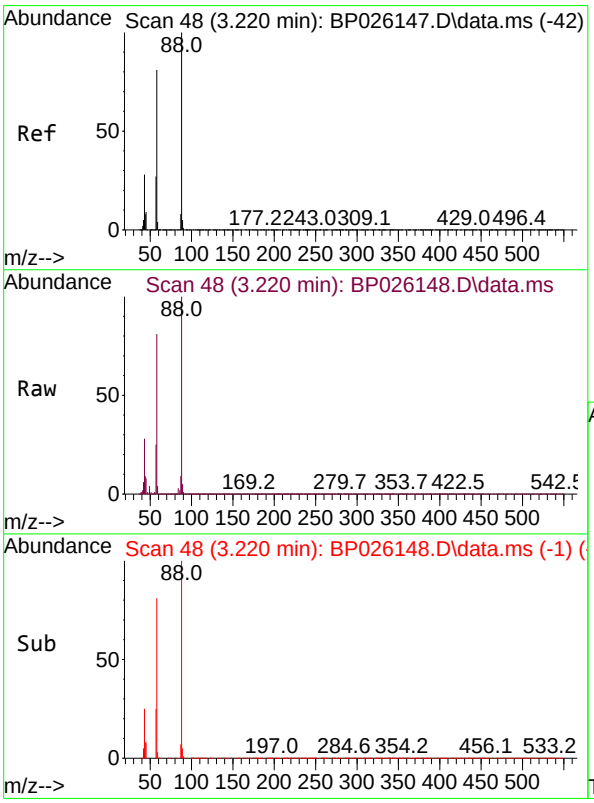
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.666 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 284760

Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	61.0	46.3	69.5

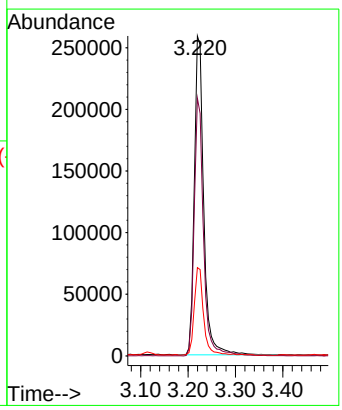


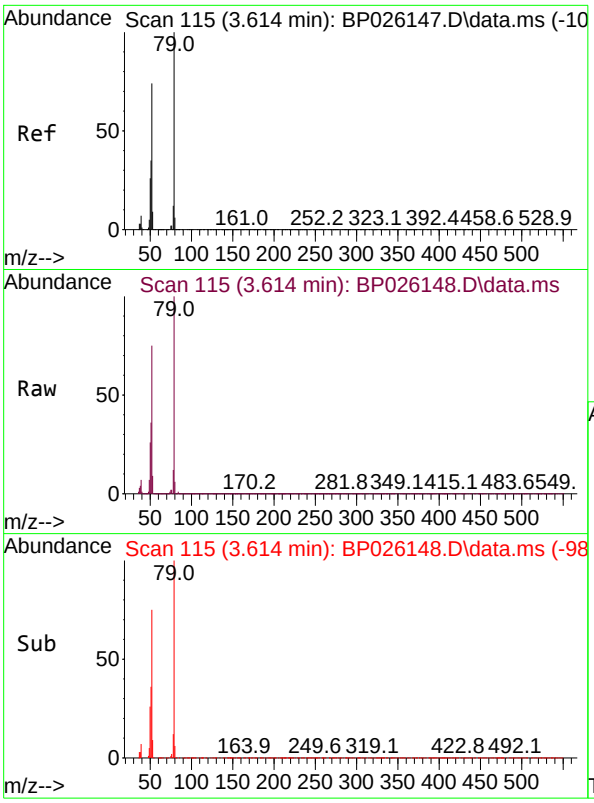


#2
1,4-Dioxane
Concen: 49.304 ng
RT: 3.220 min Scan# 48
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 88 Resp: 357043

Ion	Ratio	Lower	Upper
88	100		
58	80.2	64.2	96.4
43	27.0	21.5	32.3



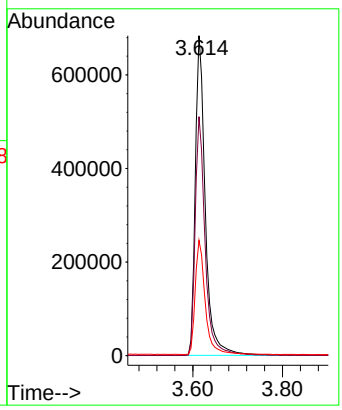


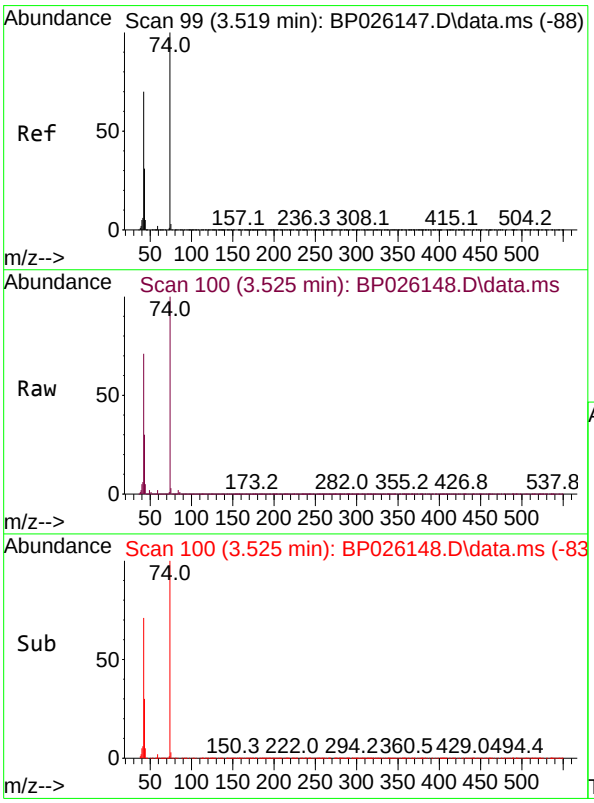
#3
Pyridine
Concen: 51.355 ng
RT: 3.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1057361

Ion	Ratio	Lower	Upper
79	100		
52	74.7	60.2	90.2
51	36.0	29.5	44.3

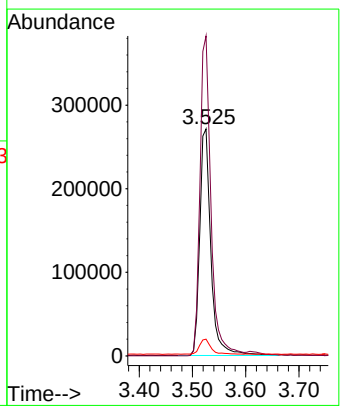


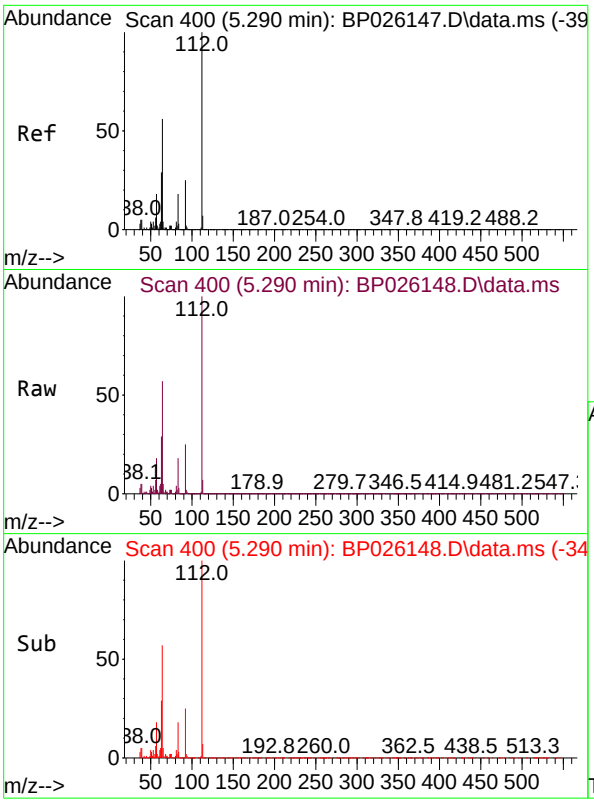


#4
n-Nitrosodimethylamine
Concen: 48.177 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 42 Resp: 393135

Ion	Ratio	Lower	Upper
42	100		
74	141.0	118.1	177.1
44	7.4	6.2	9.4



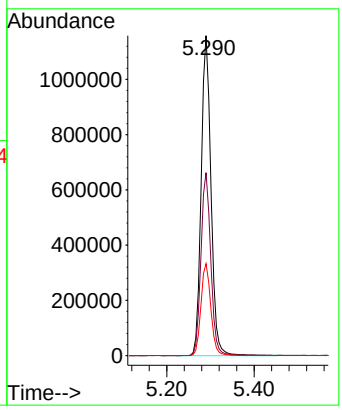


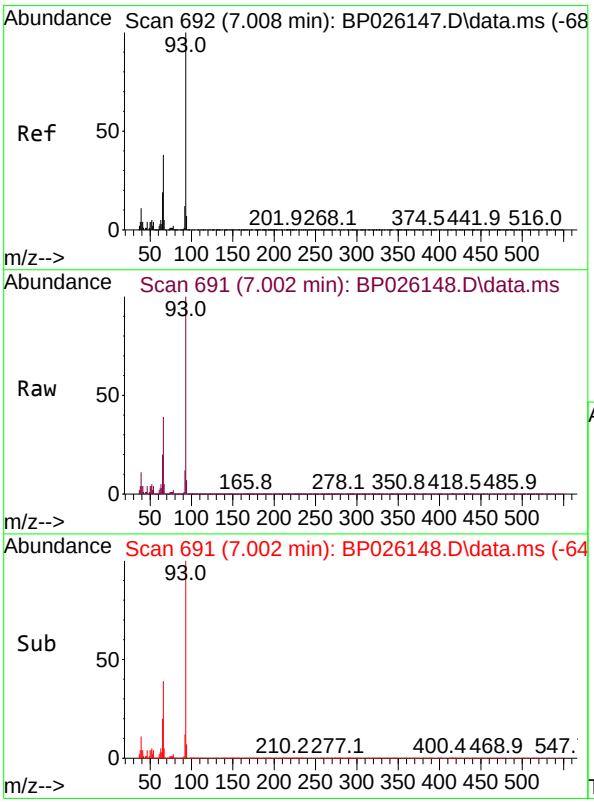
#5
2-Fluorophenol
Concen: 103.554 ng
RT: 5.290 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1787355

Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.8	68.6
63	28.8	23.5	35.3

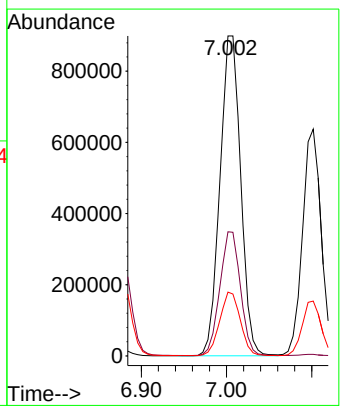


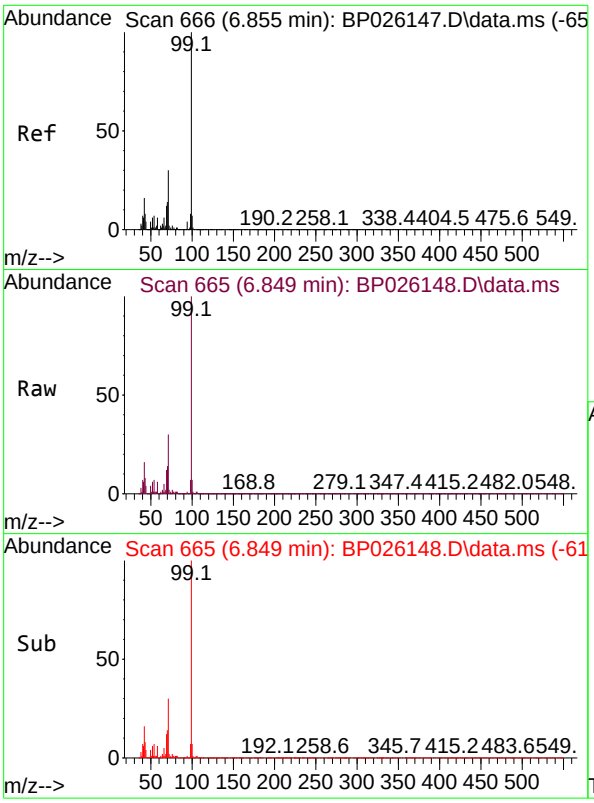


#6
Aniline
Concen: 52.159 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 93 Resp: 1522371

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.7	47.5
65	19.9	15.8	23.6



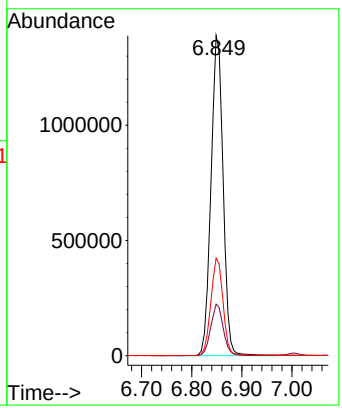


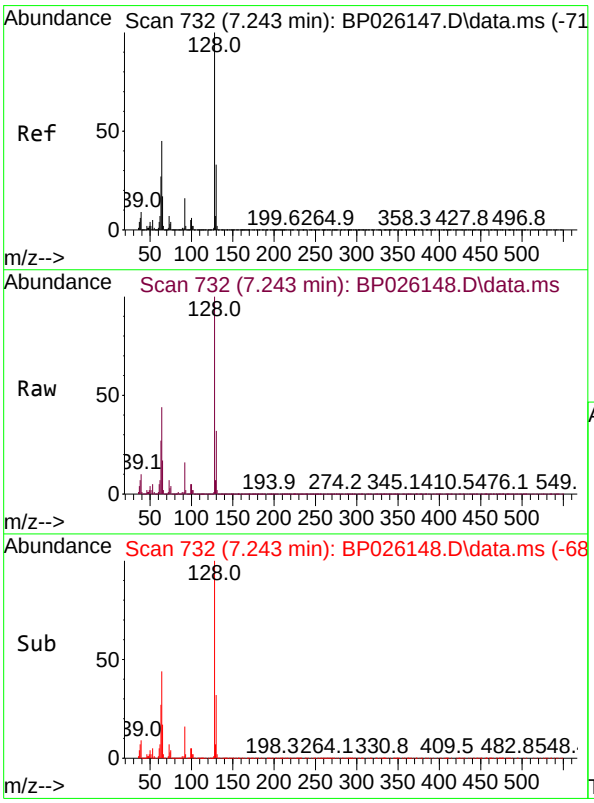
#7
Phenol-d6
Concen: 106.156 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2324244

Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.9	19.3
71	30.5	24.8	37.2

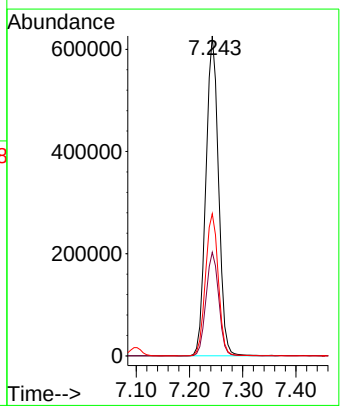


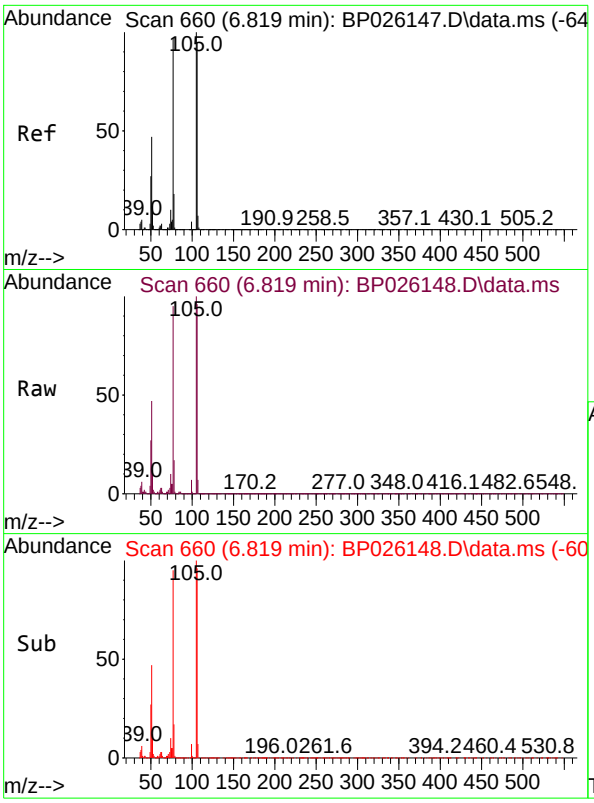


#8
2-Chlorophenol
Concen: 54.061 ng
RT: 7.243 min Scan# 732
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:128 Resp: 1033720

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.4	52.4
64	44.4	23.9	63.9



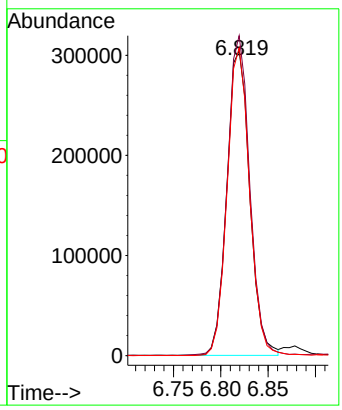


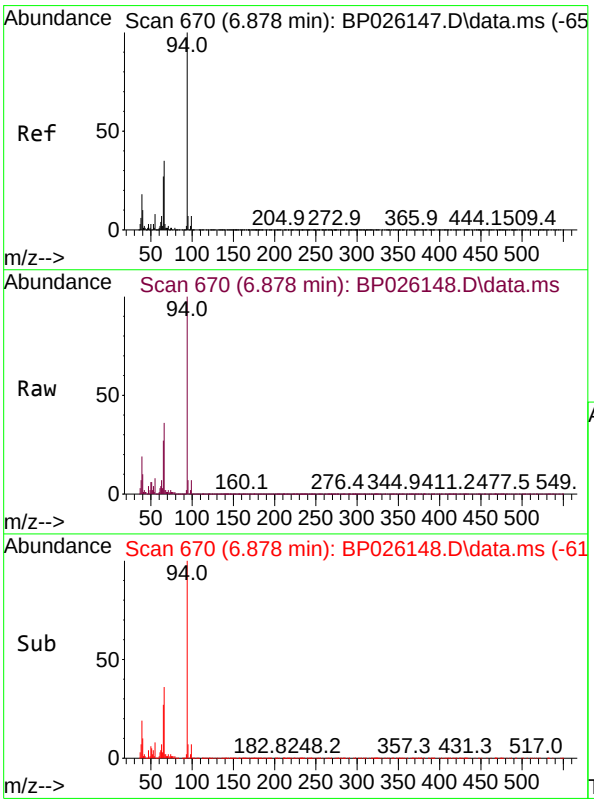
#9
Benzaldehyde
Concen: 46.418 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 511940

Ion	Ratio	Lower	Upper
77	100		
105	105.0	82.9	122.9
106	101.0	77.8	117.8

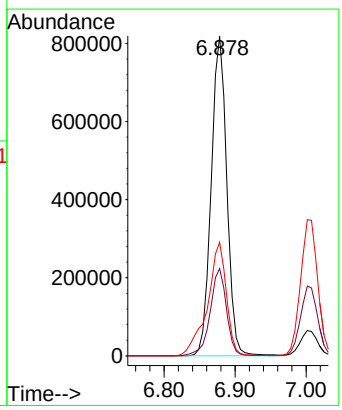


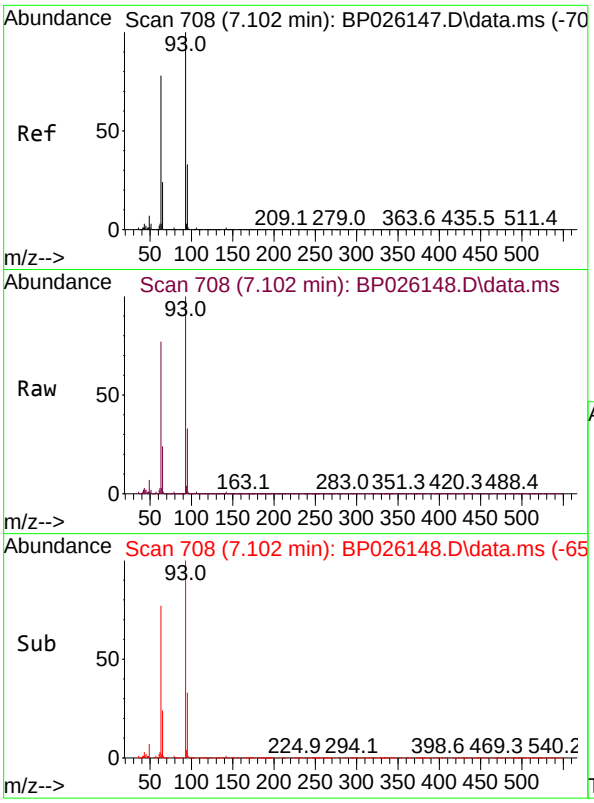


#10
Phenol
Concen: 51.731 ng
RT: 6.878 min Scan# 670
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 94 Resp: 1252505

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.0	47.0
66	35.5	14.5	54.5



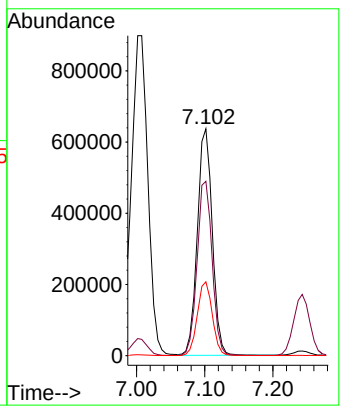


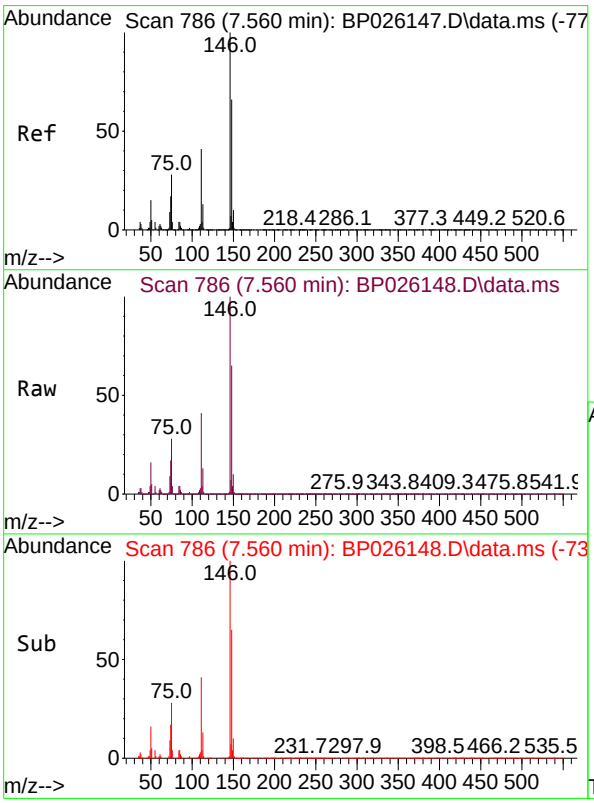
#11
bis(2-Chloroethyl)ether
Concen: 50.634 ng
RT: 7.102 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 970673

Ion	Ratio	Lower	Upper
93	100		
63	76.9	58.8	98.8
95	32.6	12.1	52.1

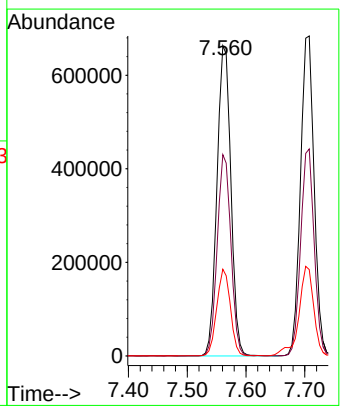


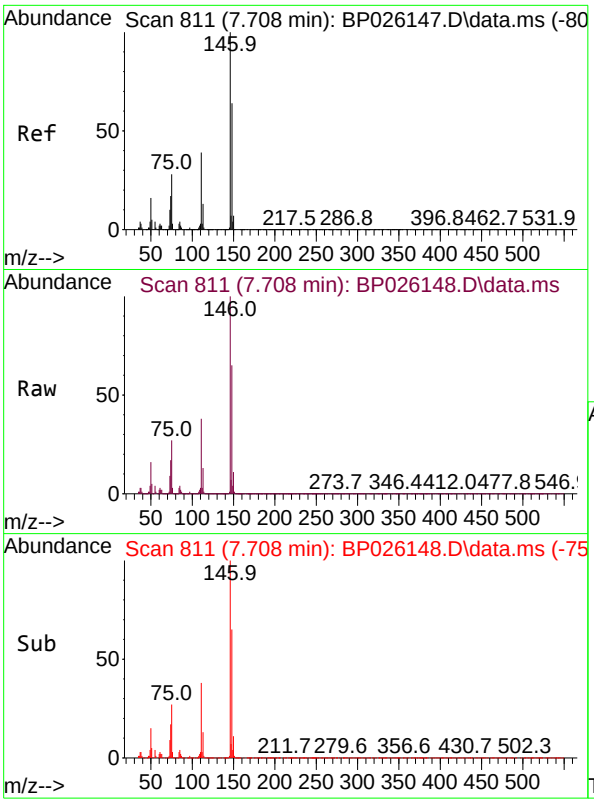


#12
1,3-Dichlorobenzene
Concen: 49.825 ng
RT: 7.560 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:146 Resp: 1088080

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	27.9	22.2	33.2



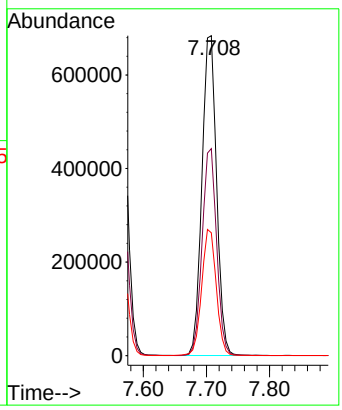


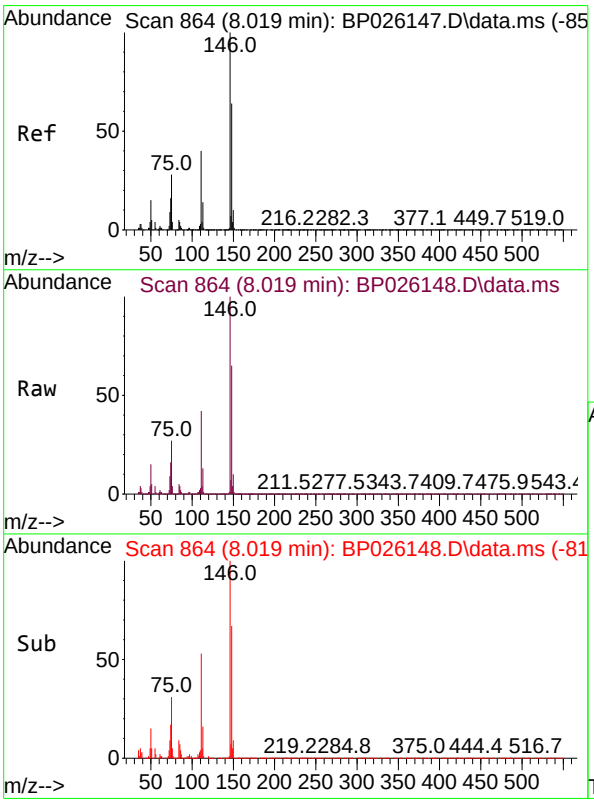
#13
1,4-Dichlorobenzene
Concen: 49.770 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1100252

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	38.4	31.7	47.5

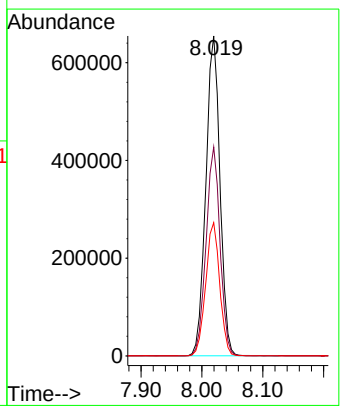


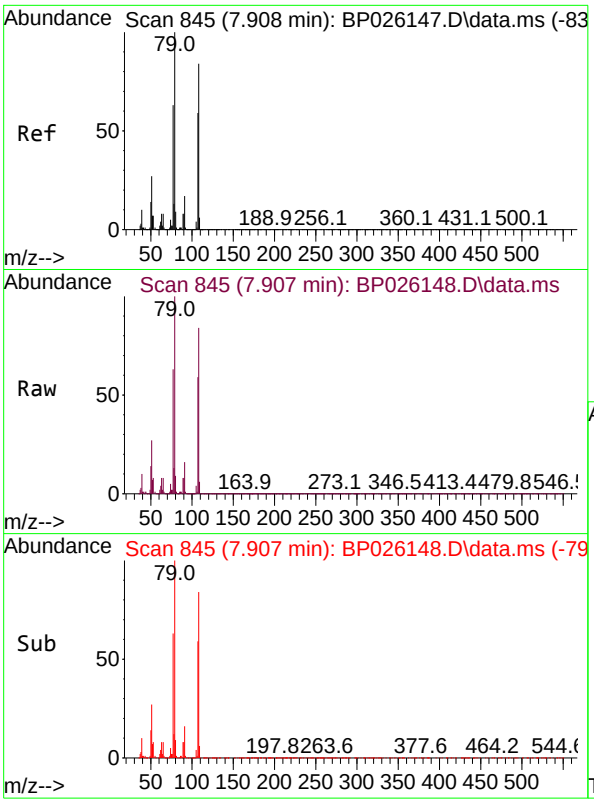


#14
1,2-Dichlorobenzene
Concen: 49.909 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:146 Resp: 1053763

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.0	76.6
111	41.6	33.0	49.4



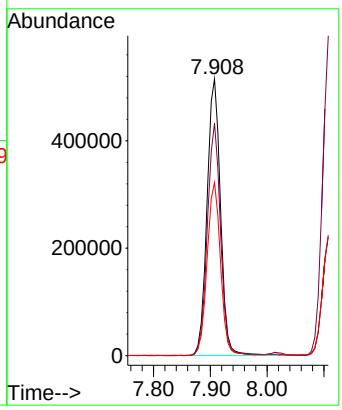


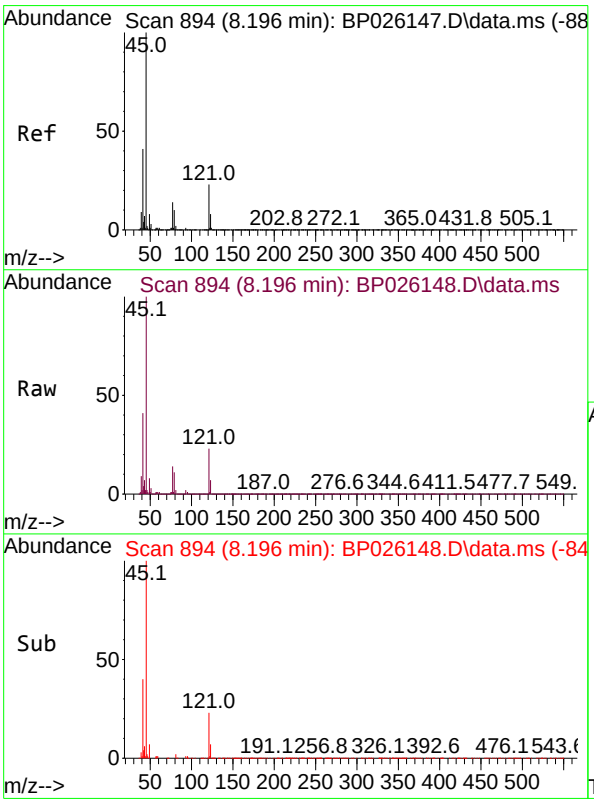
#15
Benzyl Alcohol
Concen: 53.672 ng
RT: 7.907 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 849842

Ion	Ratio	Lower	Upper
79	100		
108	84.1	66.2	99.4
77	62.6	50.0	75.0

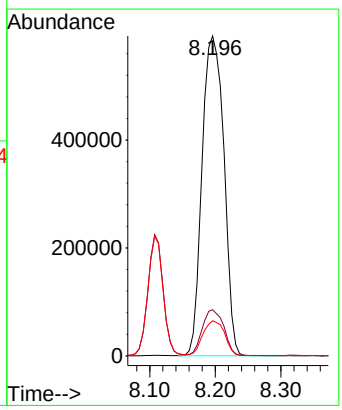


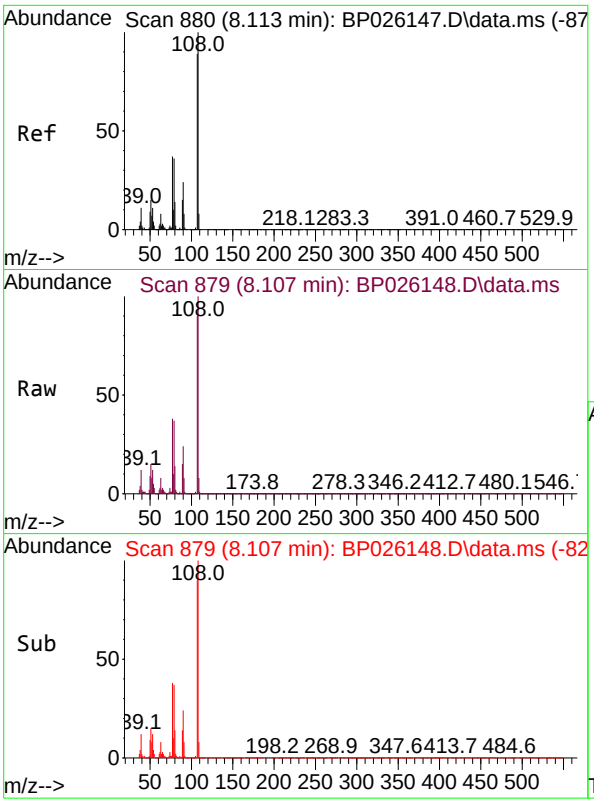


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.705 ng
RT: 8.196 min Scan# 894
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 45 Resp: 1369615

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.9
79	11.0	0.0	30.4



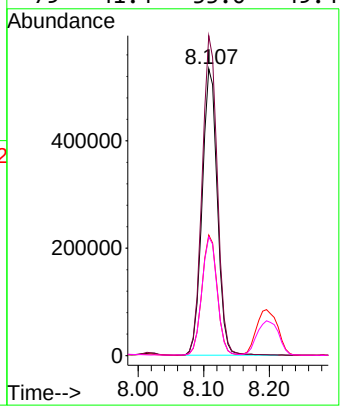


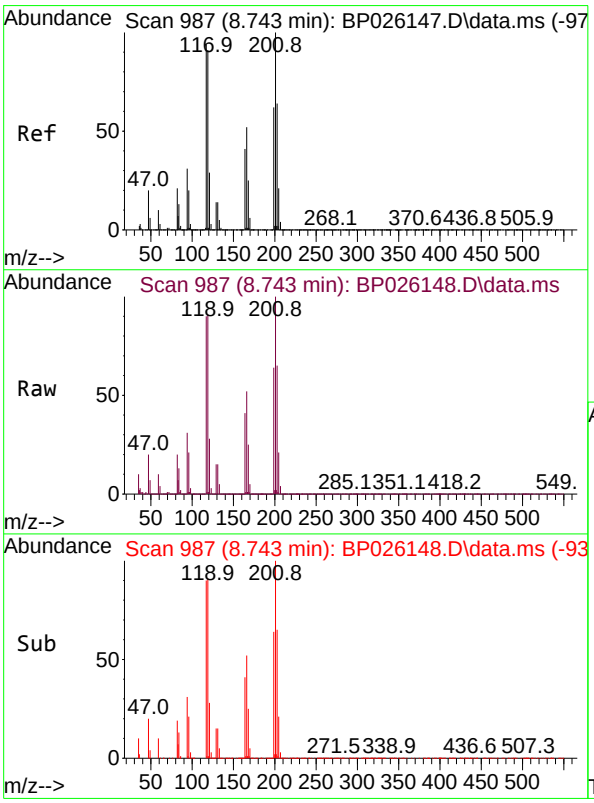
#17
2-Methylphenol
Concen: 53.750 ng
RT: 8.107 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 855650

Ion	Ratio	Lower	Upper
107	100		
108	111.6	89.7	134.5
77	42.1	33.9	50.9
79	41.4	33.0	49.4

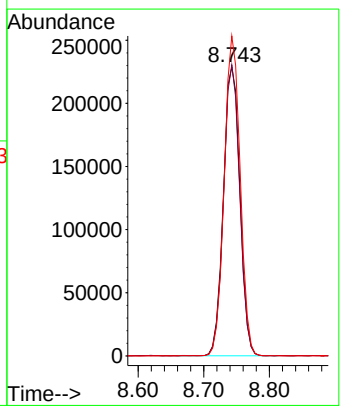


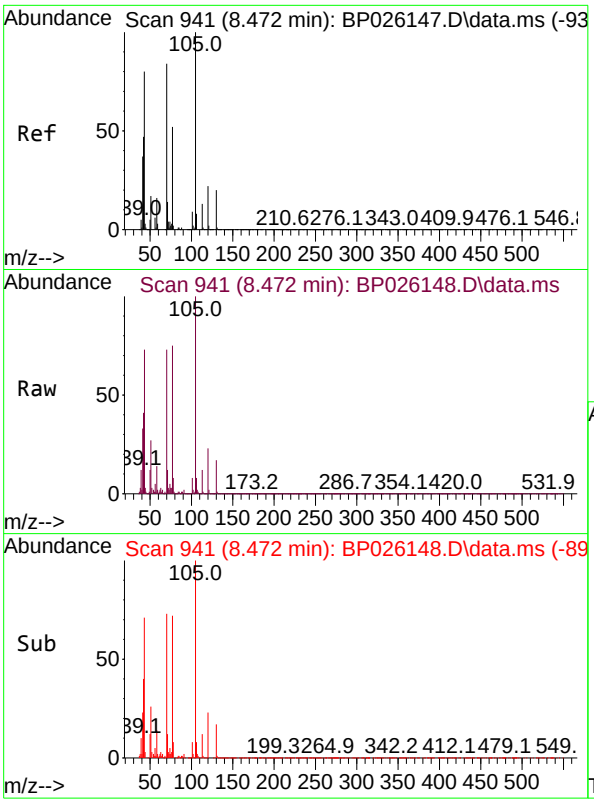


#18
Hexachloroethane
Concen: 52.632 ng
RT: 8.743 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:117 Resp: 401949

Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.7	118.1
201	110.7	85.1	127.7



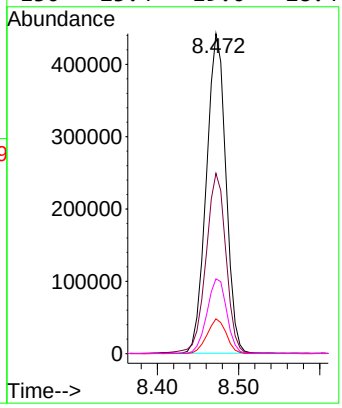


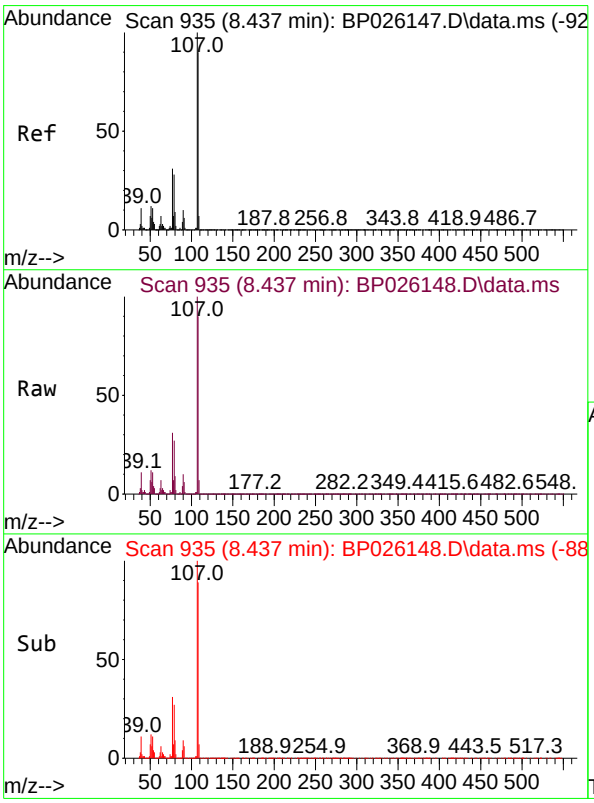
#19
n-Nitroso-di-n-propylamine
Concen: 54.488 ng
RT: 8.472 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 739380

Ion	Ratio	Lower	Upper
70	100		
42	56.3	44.1	66.1
101	10.9	8.2	12.4
130	23.4	19.0	28.4

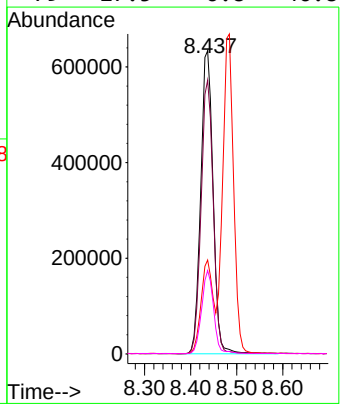


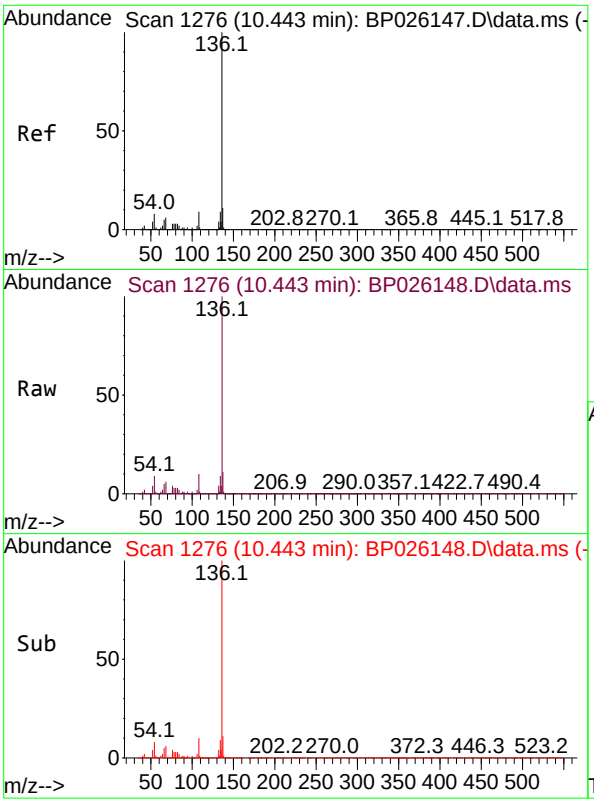


#20
3+4-Methylphenols
Concen: 53.045 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:107 Resp: 1173430

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.9	108.9
77	31.0	10.4	50.4
79	27.5	6.8	46.8



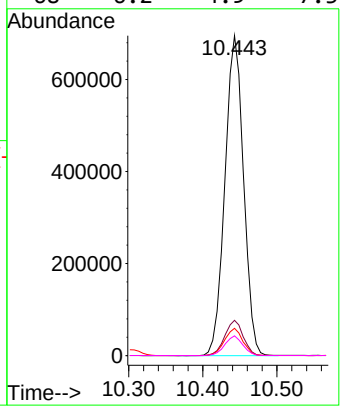


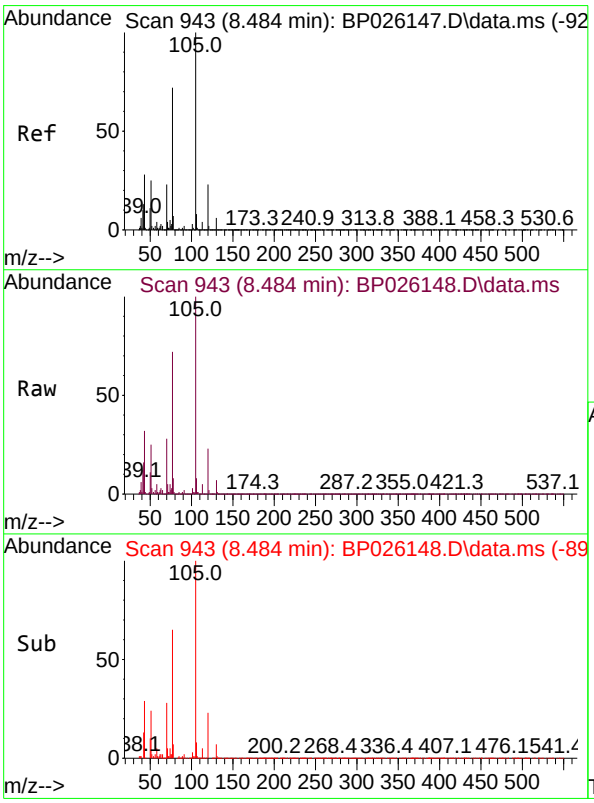
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1214236

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.5	6.4	9.6
68	6.2	4.9	7.3

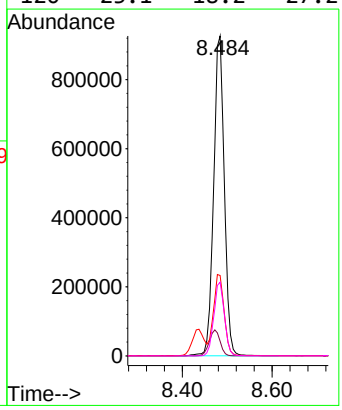


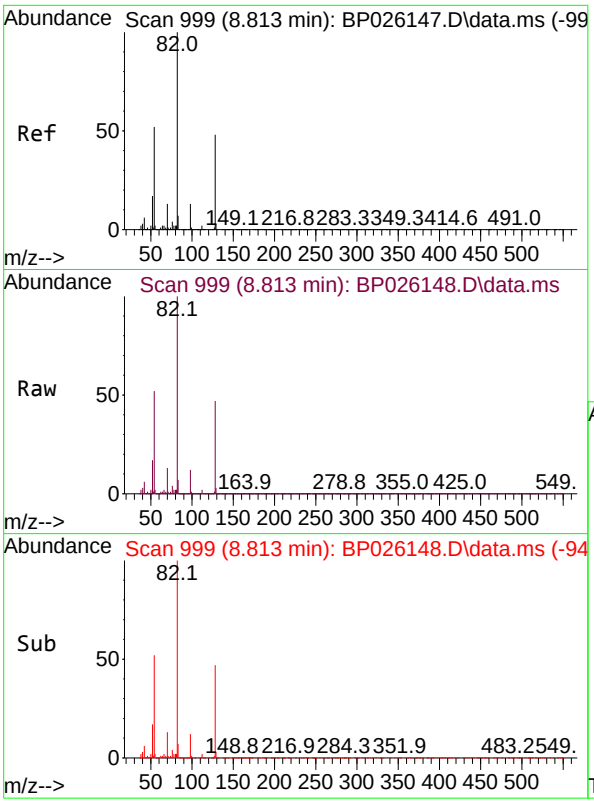


#22
Acetophenone
Concen: 49.988 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:105 Resp: 1530333

Ion	Ratio	Lower	Upper
105	100		
71	4.6	3.0	4.4#
51	25.1	20.5	30.7
120	23.1	18.2	27.2



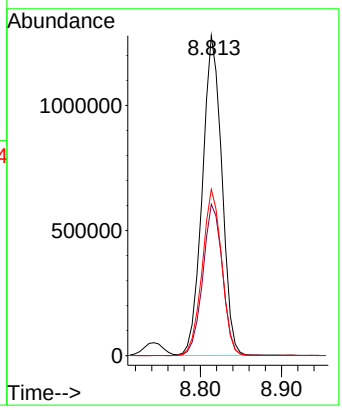


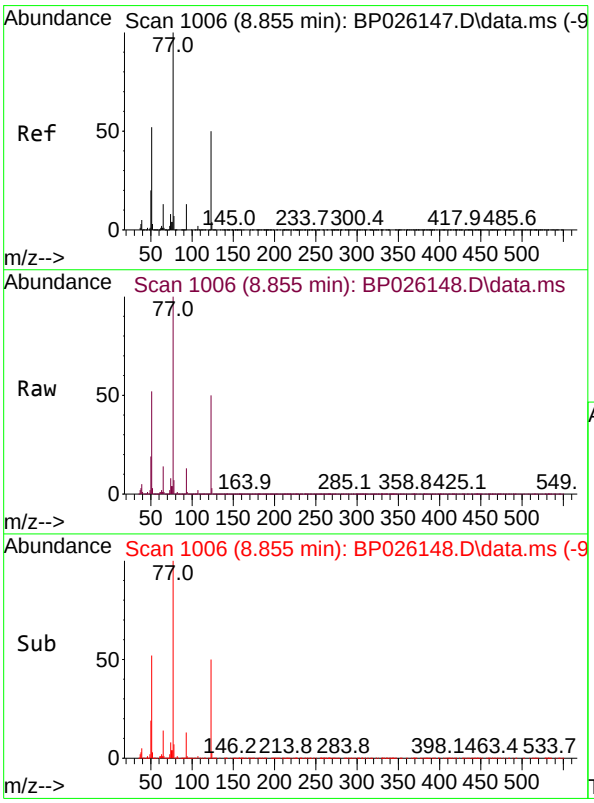
#23
Nitrobenzene-d5
Concen: 108.572 ng
RT: 8.813 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2130648

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.4	56.0
54	52.0	41.6	62.4

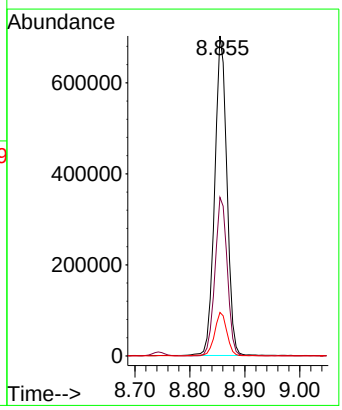


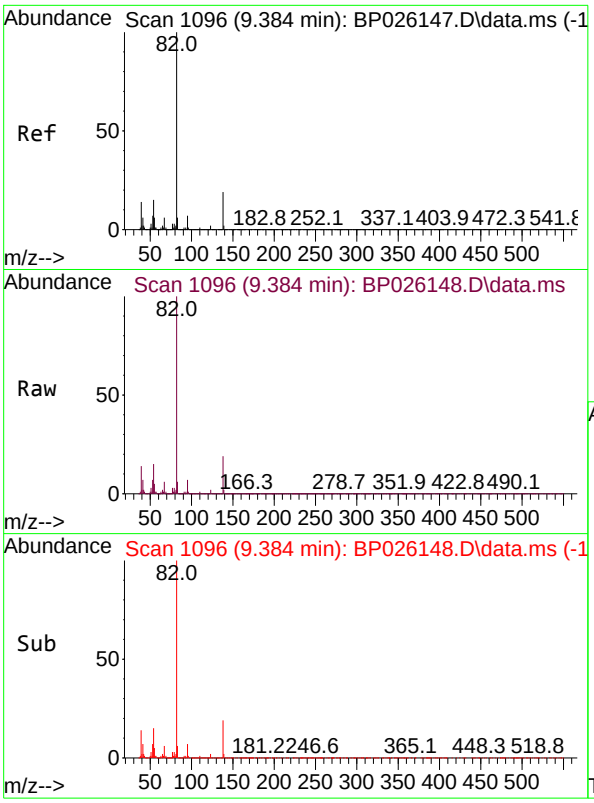


#24
Nitrobenzene
Concen: 52.708 ng
RT: 8.855 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 77 Resp: 1083333

Ion	Ratio	Lower	Upper
77	100		
123	49.5	39.8	59.8
65	13.6	11.2	16.8



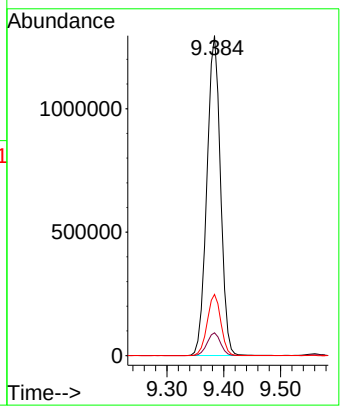


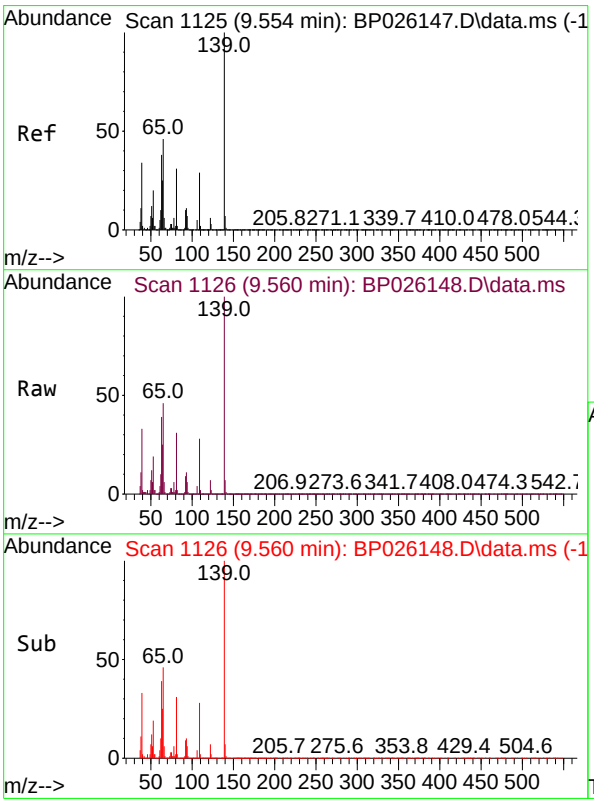
#25
Isophorone
Concen: 51.899 ng
RT: 9.384 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2155778

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	19.1	15.4	23.0

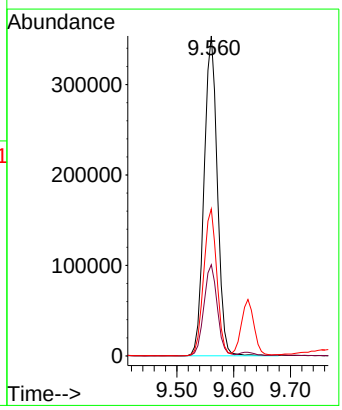


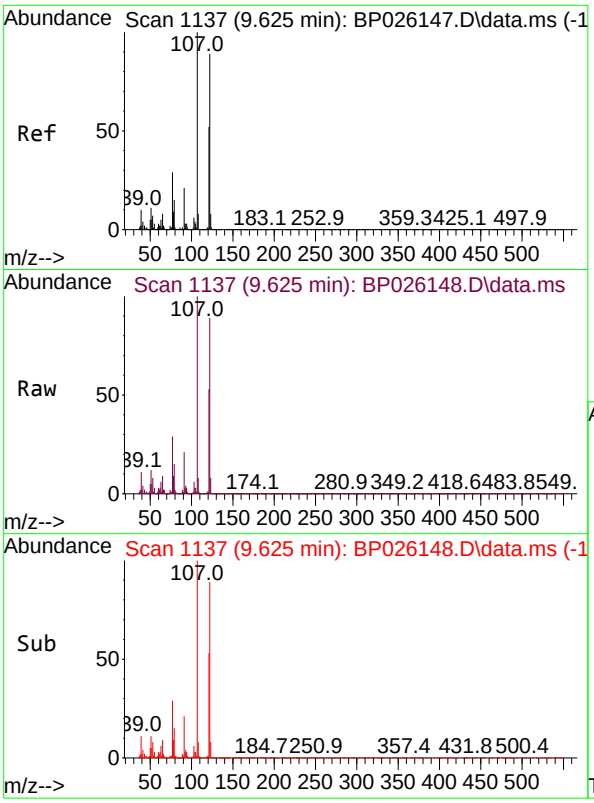


#26
2-Nitrophenol
Concen: 81.975 ng
RT: 9.560 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:139 Resp: 575059

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.3	33.5
65	45.9	37.2	55.8



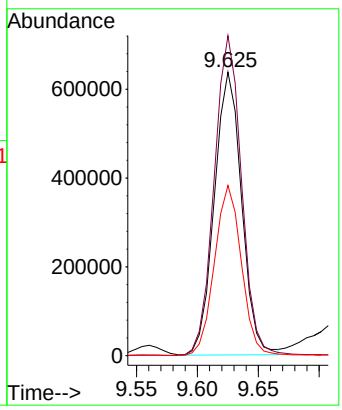


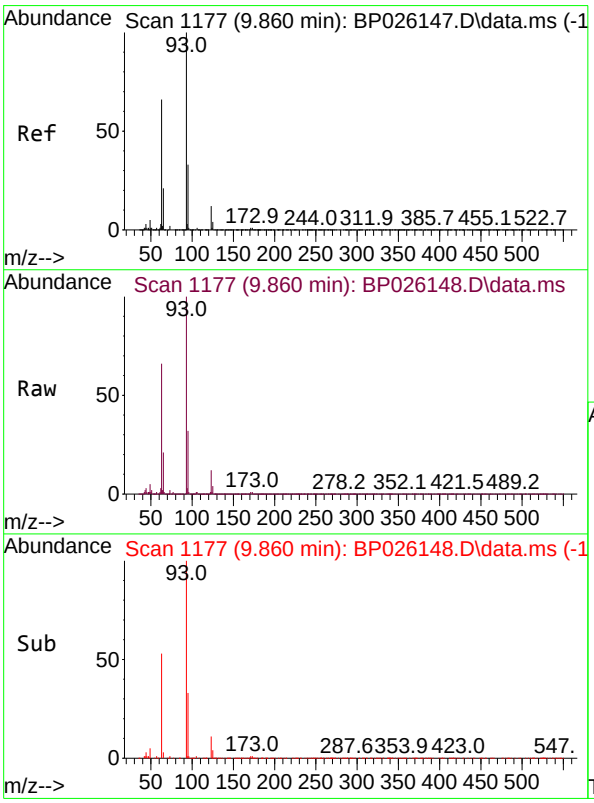
#27
2,4-Dimethylphenol
Concen: 56.199 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 996274

Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.0	136.6
121	60.1	47.0	70.6

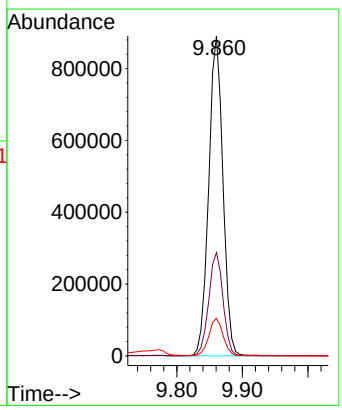


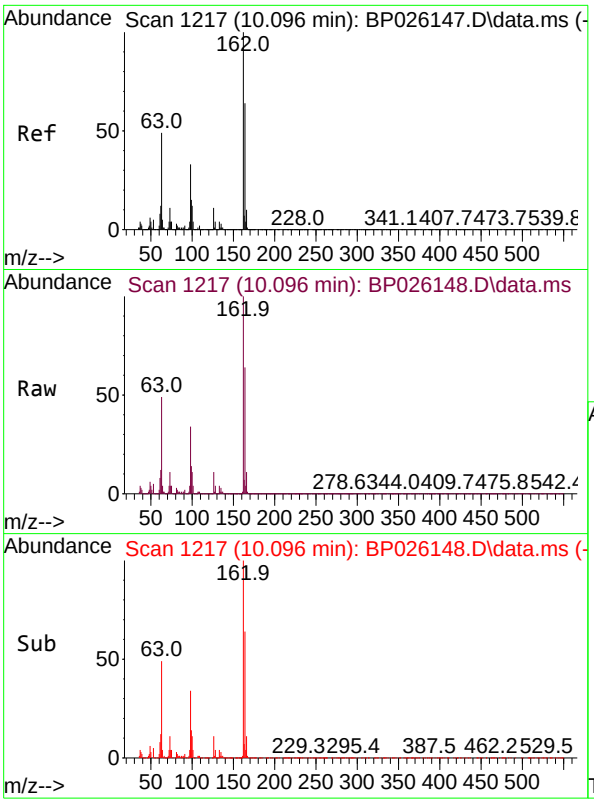


#28
bis(2-Chloroethoxy)methane
Concen: 51.133 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 93 Resp: 1340577

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	11.7	9.4	14.0



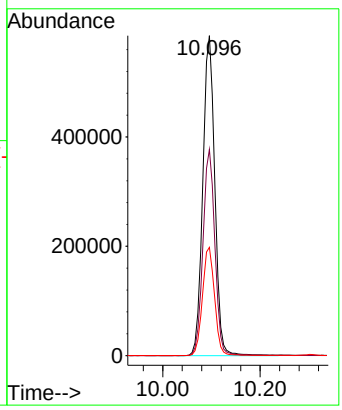


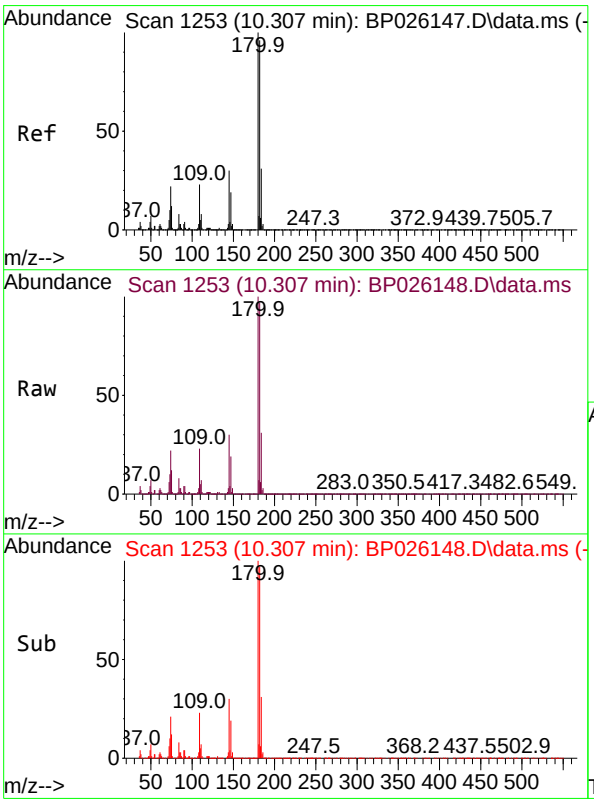
#29
2,4-Dichlorophenol
Concen: 54.165 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1002063

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	33.8	14.1	54.1

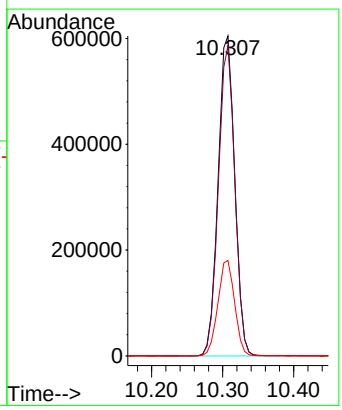


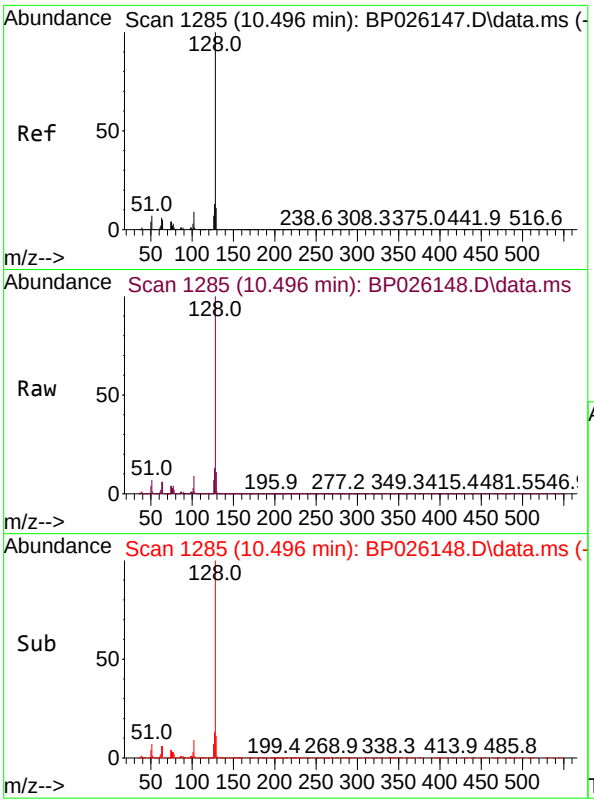


#30
1,2,4-Trichlorobenzene
Concen: 49.160 ng
RT: 10.307 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:180 Resp: 986319

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.1	117.1
145	29.8	24.2	36.4



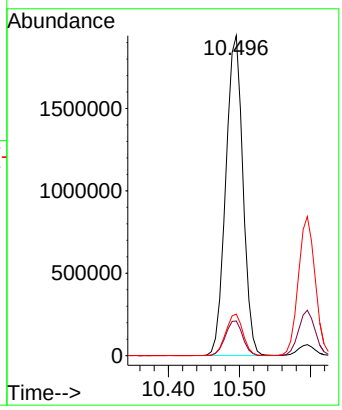


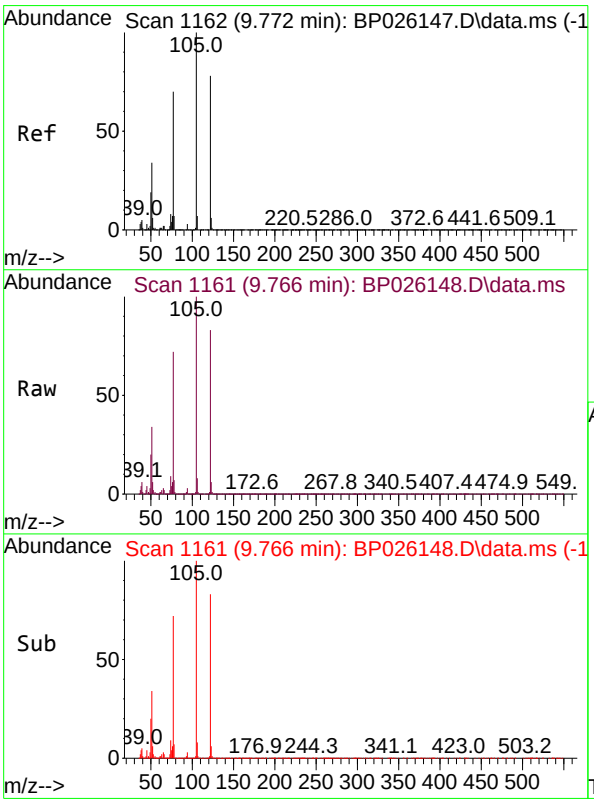
#31
Naphthalene
Concen: 49.431 ng
RT: 10.496 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3258341

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.0	10.2	15.4

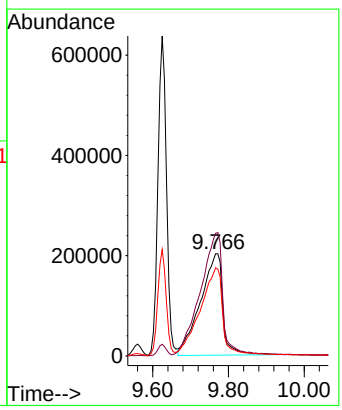


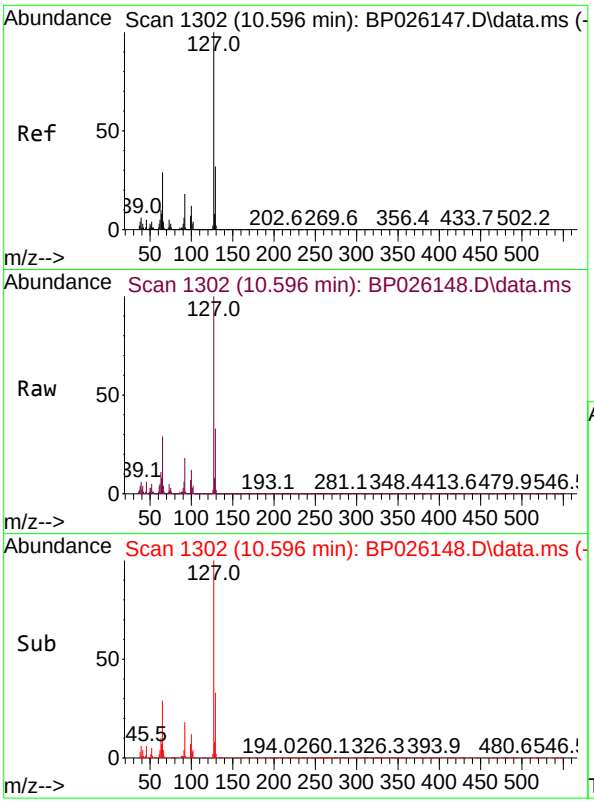


#32
Benzoic acid
Concen: 78.248 ng
RT: 9.766 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:122 Resp: 836318

Ion	Ratio	Lower	Upper
122	100		
105	120.1	100.1	140.1
77	86.2	66.7	106.7



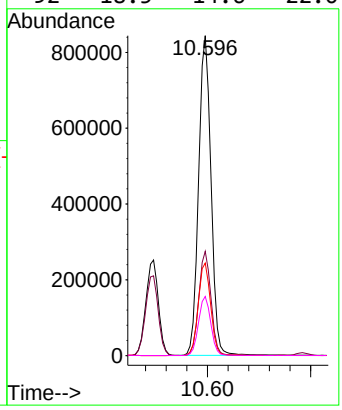


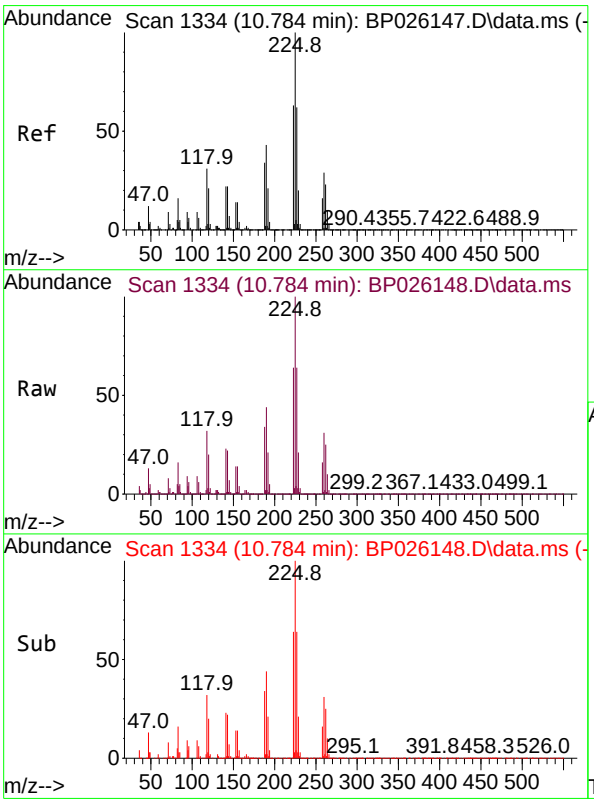
#33
4-Chloroaniline
Concen: 54.856 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1404875

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.8
65	28.9	22.7	34.1
92	18.5	14.6	22.0

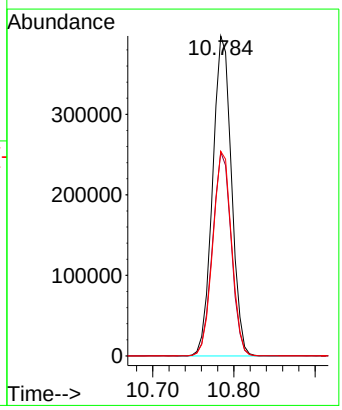


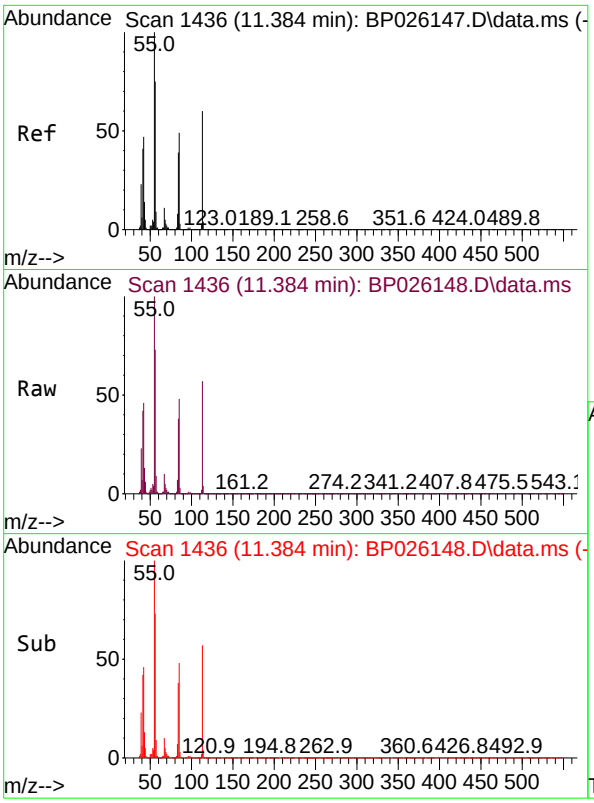


#34
Hexachlorobutadiene
Concen: 49.818 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:225 Resp: 639671

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.6	74.4
227	63.9	51.2	76.8



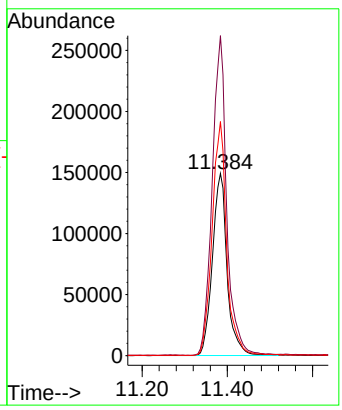


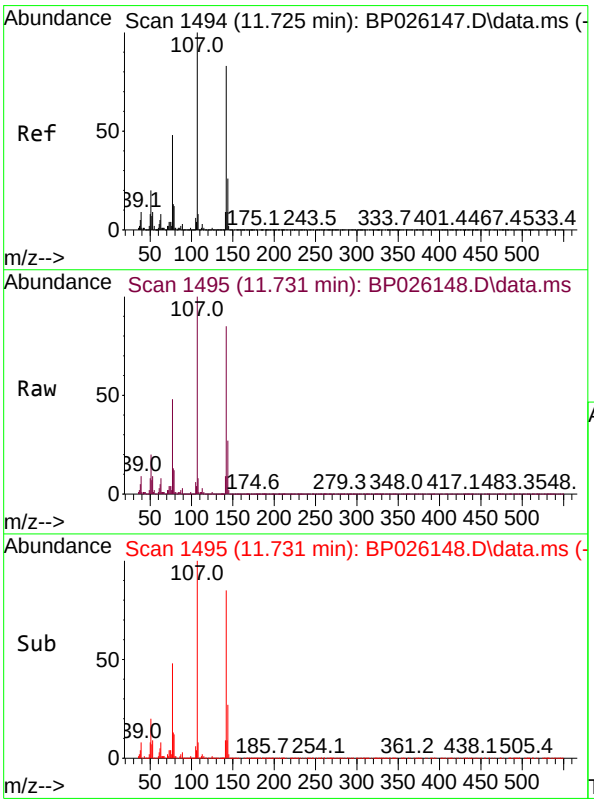
#35
Caprolactam
Concen: 55.200 ng
RT: 11.384 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 356958

Ion	Ratio	Lower	Upper
113	100		
55	175.7	153.0	193.0
56	128.5	106.4	146.4

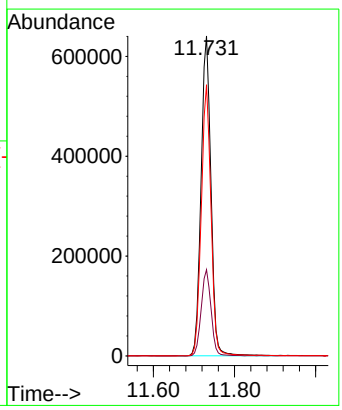


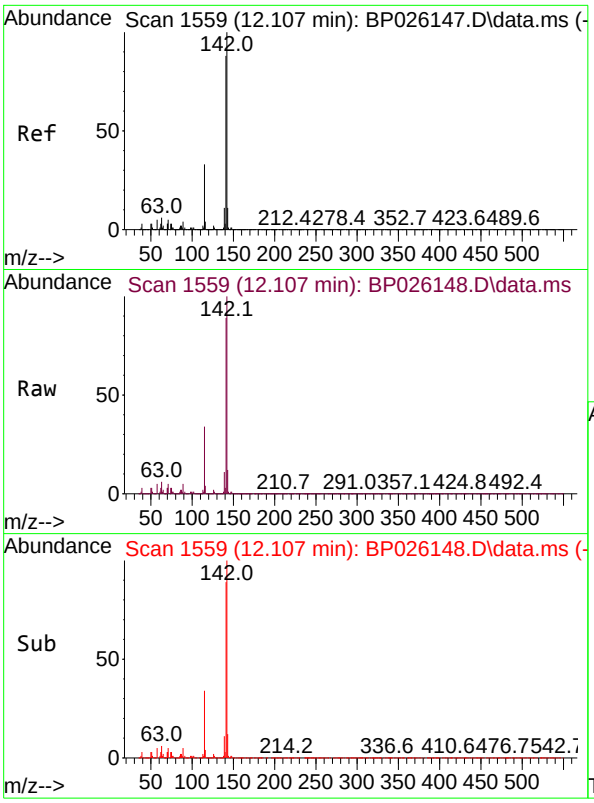


#36
4-Chloro-3-methylphenol
Concen: 55.785 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:107 Resp: 1079361

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.6	32.4
142	84.7	65.6	98.4



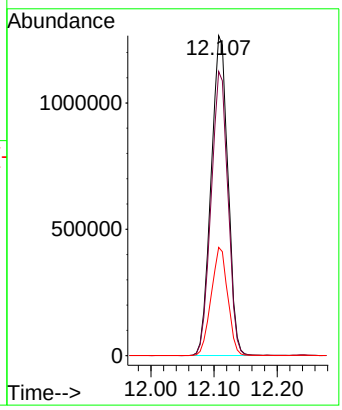


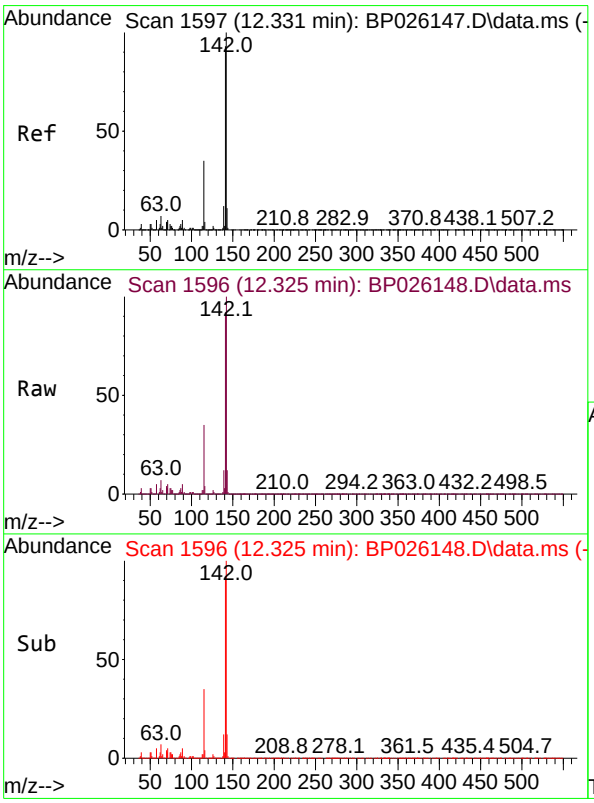
#37
2-Methylnaphthalene
Concen: 50.940 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2347741

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.0	106.6
115	33.8	26.6	39.8

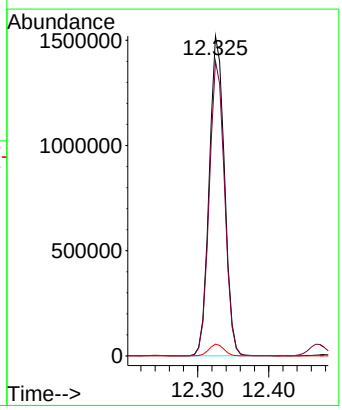


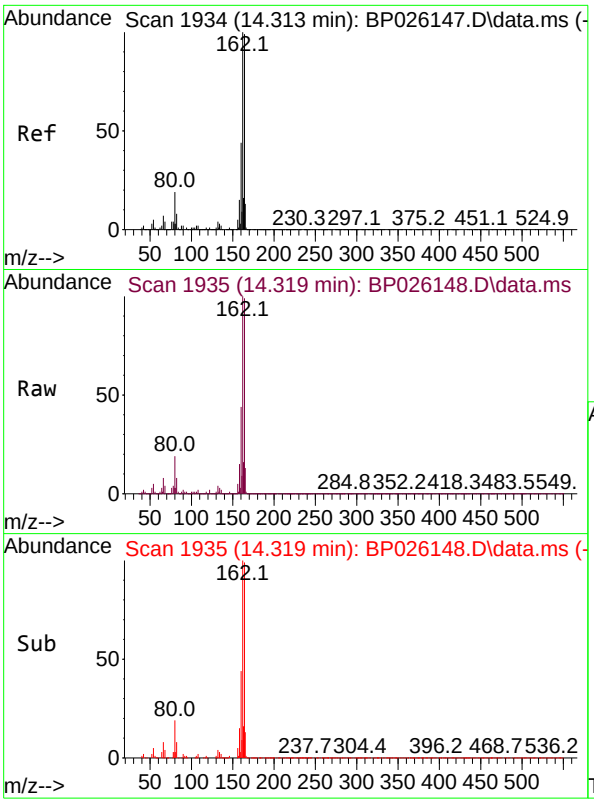


#38
1-Methylnaphthalene
Concen: 50.528 ng
RT: 12.325 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:142 Resp: 2264098

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.5	110.3
116	3.7	3.0	4.4



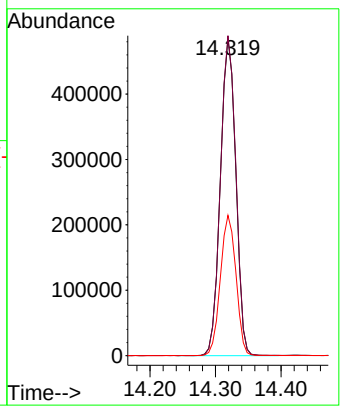


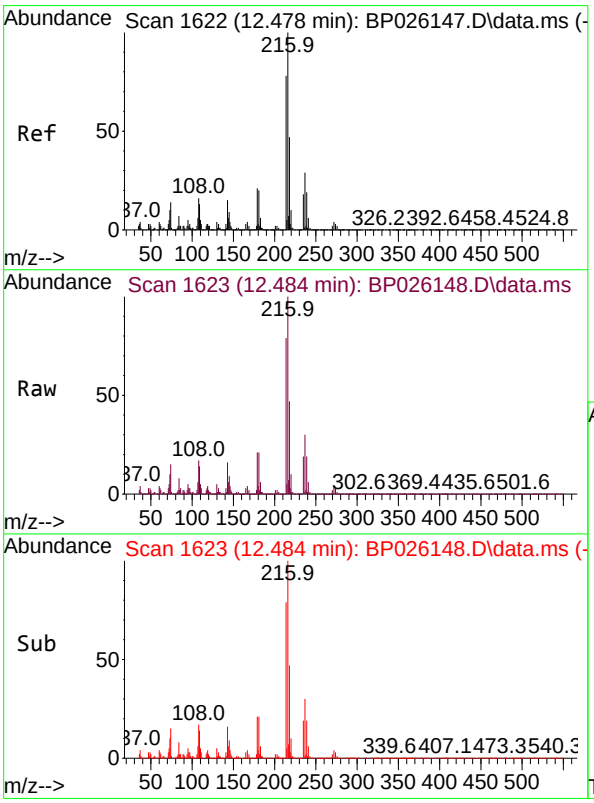
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 797553

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.3	120.5
160	44.3	35.2	52.8

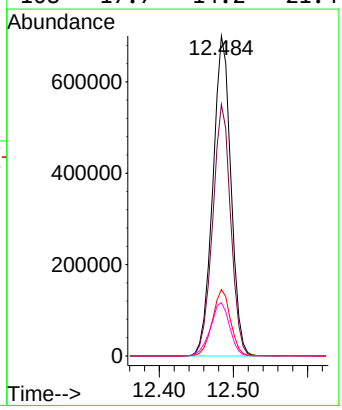


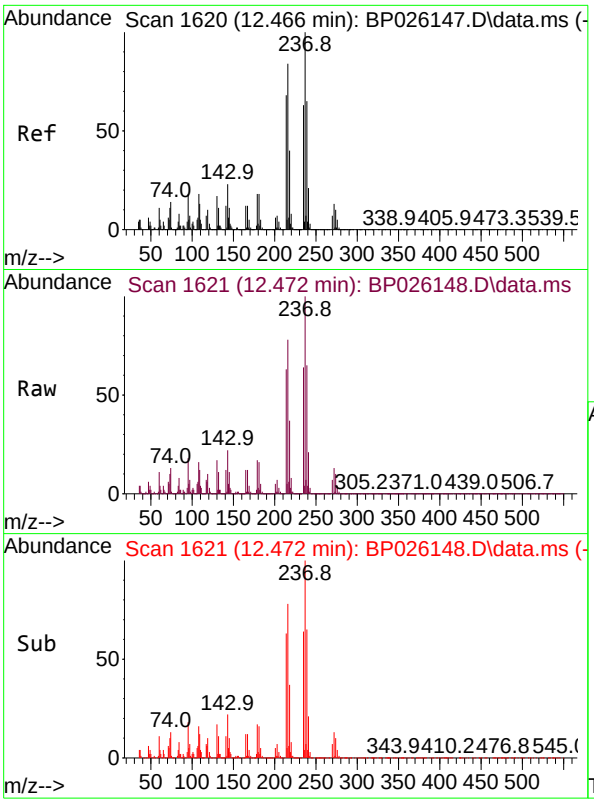


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.999 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:216 Resp: 1184632

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	94.0
179	20.7	16.6	25.0
108	17.7	14.2	21.4



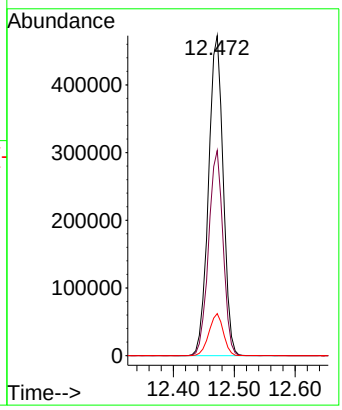


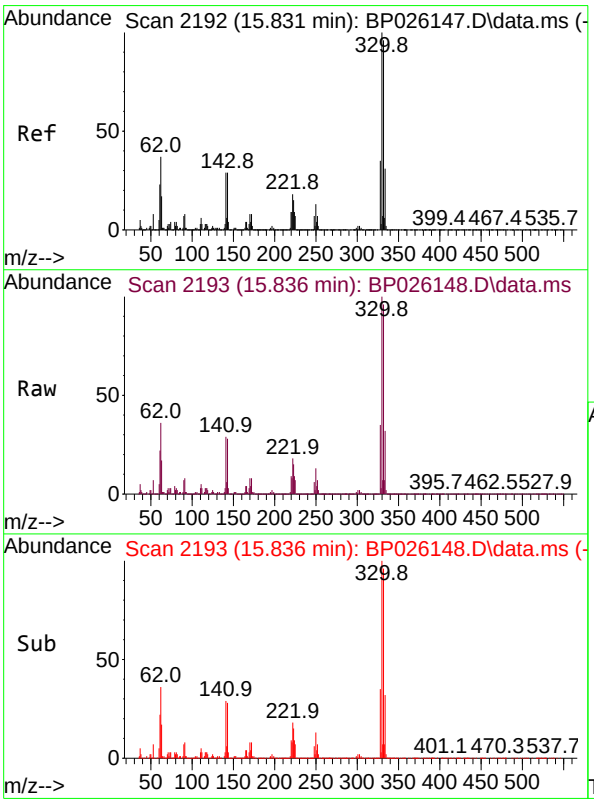
#41
Hexachlorocyclopentadiene
Concen: 76.949 ng
RT: 12.472 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 789794

Ion	Ratio	Lower	Upper
237	100		
235	64.1	43.3	83.3
272	13.1	0.0	32.9

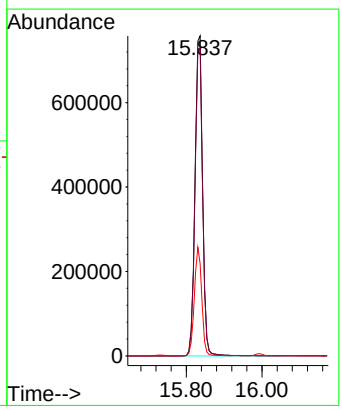


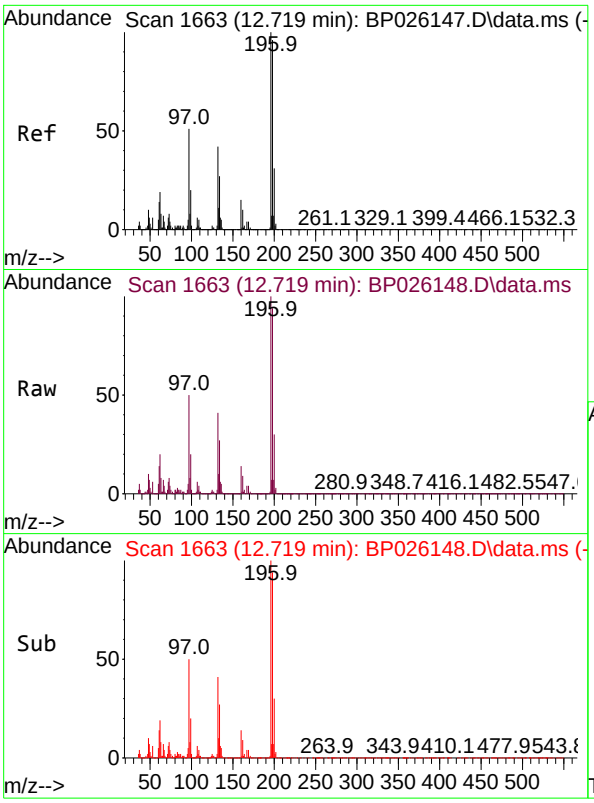


#42
2,4,6-Tribromophenol
Concen: 119.774 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:330 Resp: 1046471

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	33.1	26.8	40.2



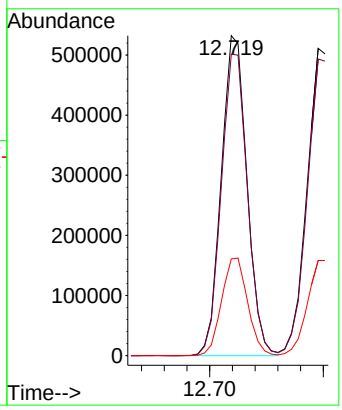


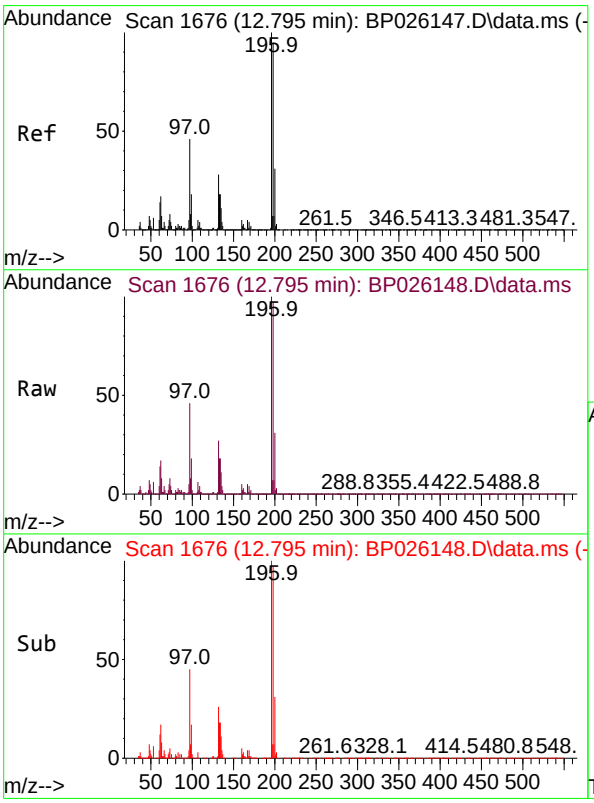
#43
2,4,6-Trichlorophenol
Concen: 56.757 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 837942

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.9	115.3
200	30.2	24.6	37.0

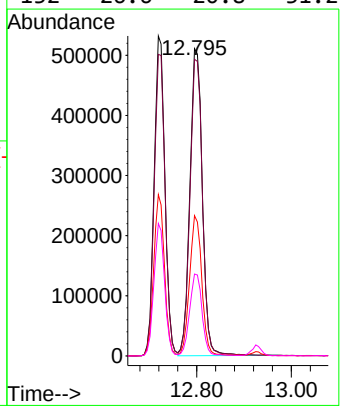


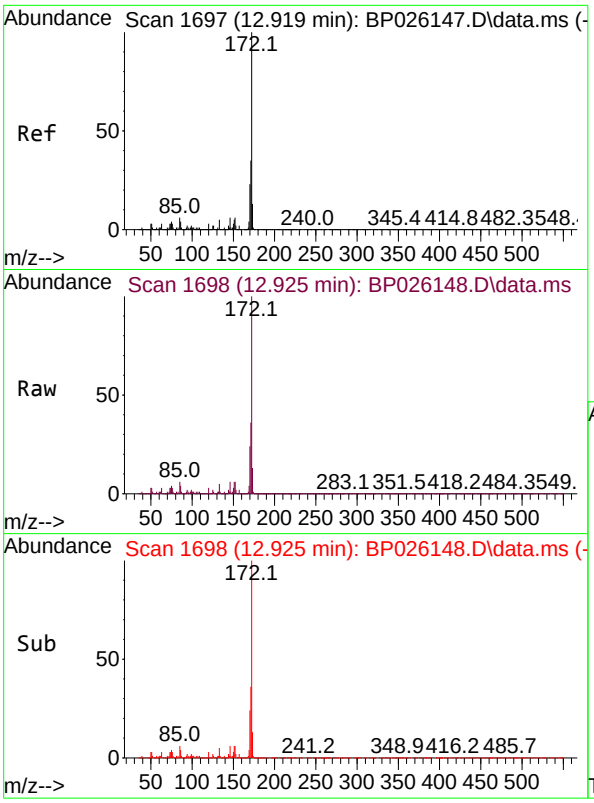


#44
2,4,5-Trichlorophenol
Concen: 55.717 ng
RT: 12.795 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:196 Resp: 934561

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.4	114.6
97	45.6	35.7	53.5
132	26.6	20.8	31.2



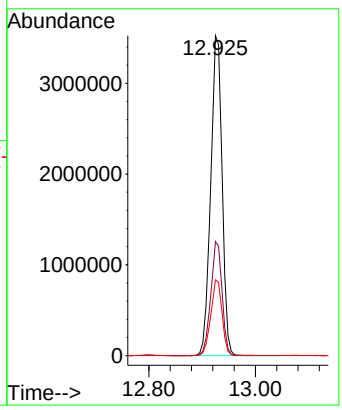


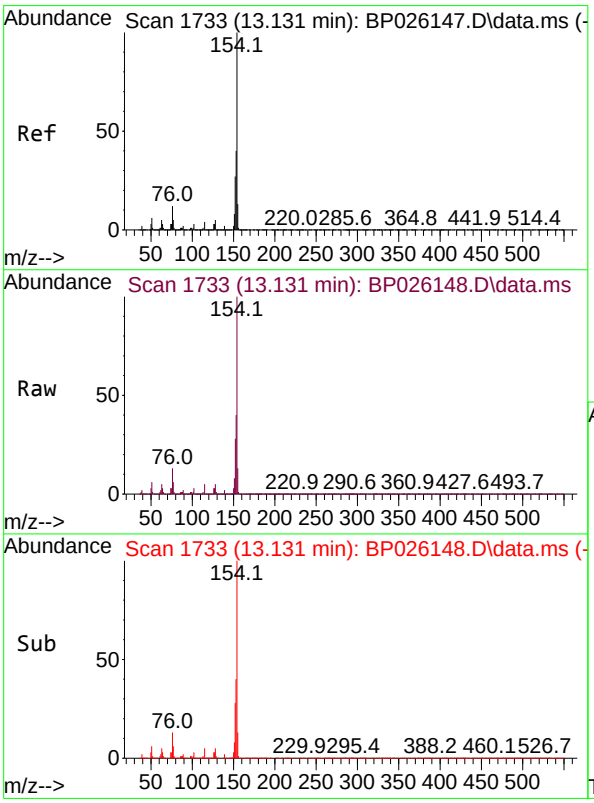
#45
2-Fluorobiphenyl
Concen: 94.988 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5250598

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.7	18.7	28.1

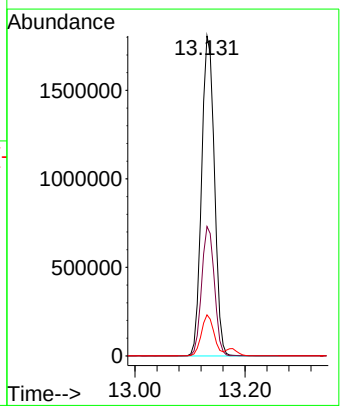


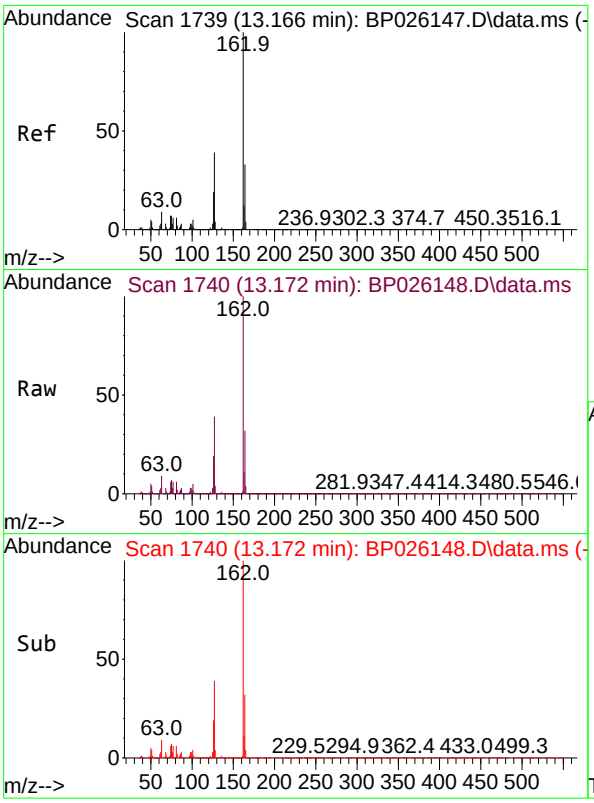


#46
1,1'-Biphenyl
Concen: 48.177 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:154 Resp: 2928877

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	12.8	0.0	32.3



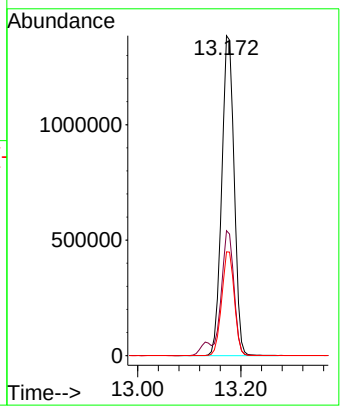


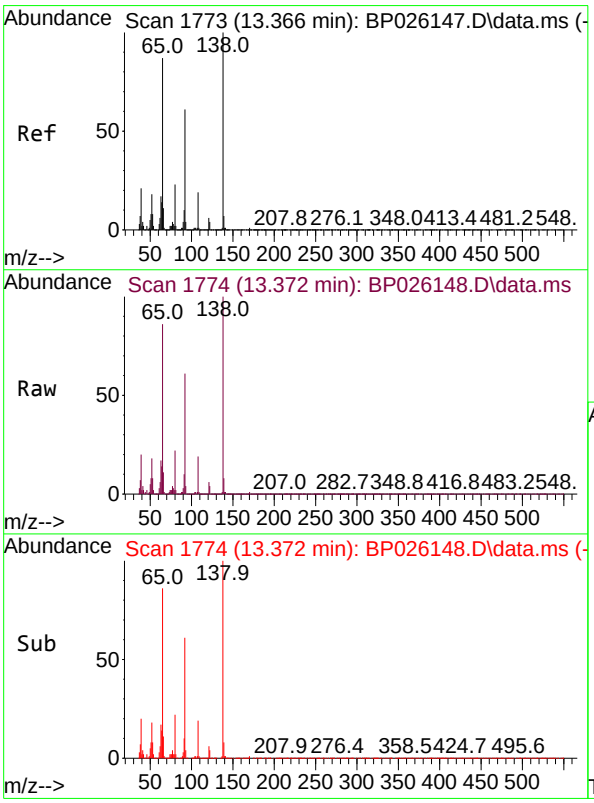
#47
2-Chloronaphthalene
Concen: 48.576 ng
RT: 13.172 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2321684

Ion	Ratio	Lower	Upper
162	100		
127	39.0	30.9	46.3
164	32.4	26.4	39.6

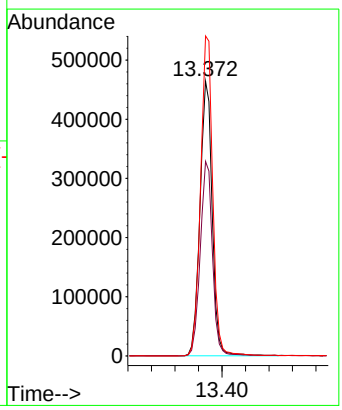


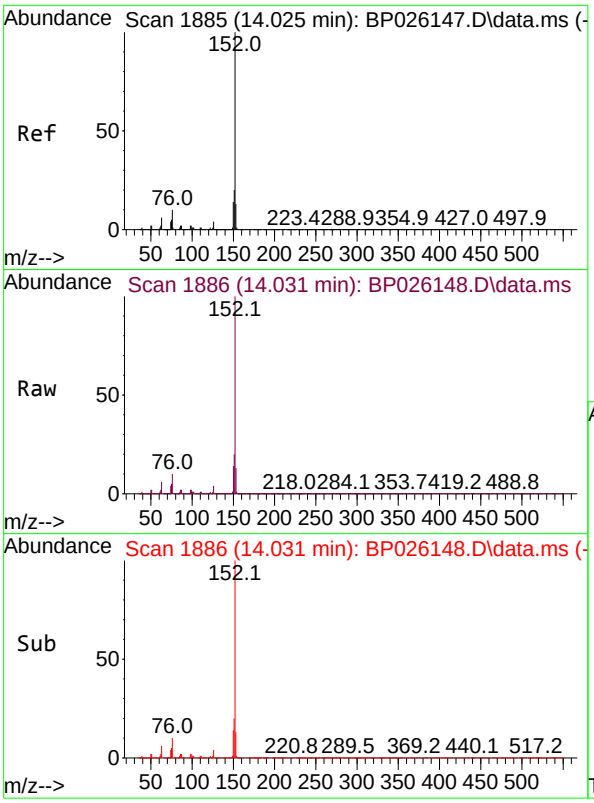


#48
2-Nitroaniline
Concen: 60.939 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion: 65 Resp: 669977

Ion	Ratio	Lower	Upper
65	100		
92	70.8	59.1	88.7
138	116.5	96.6	145.0



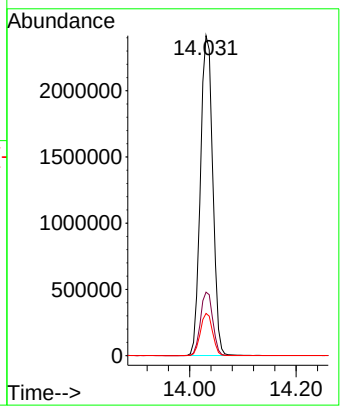


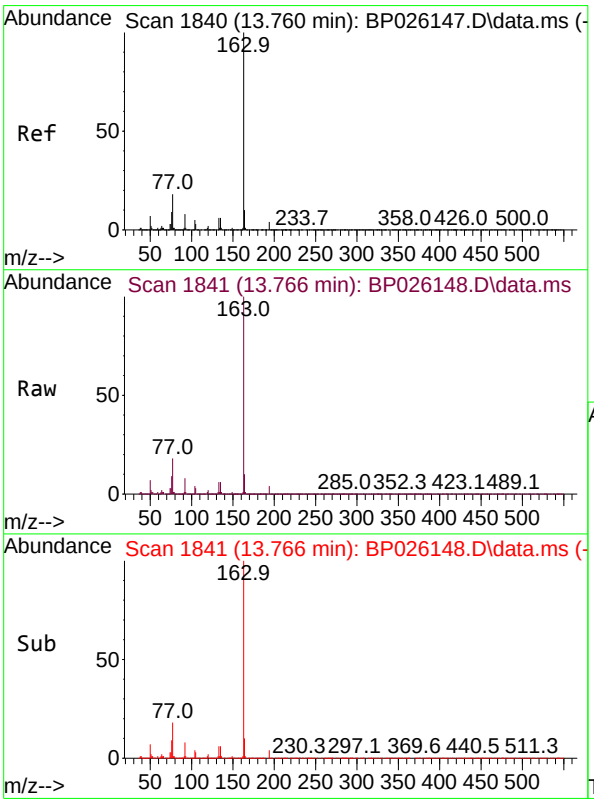
#49
Acenaphthylene
Concen: 54.828 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3873345

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	16.0

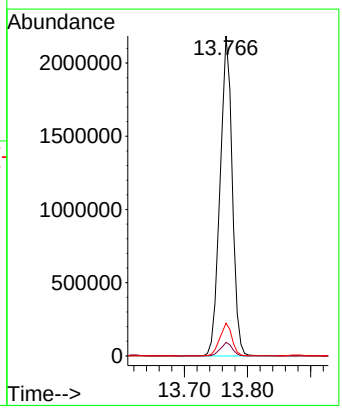


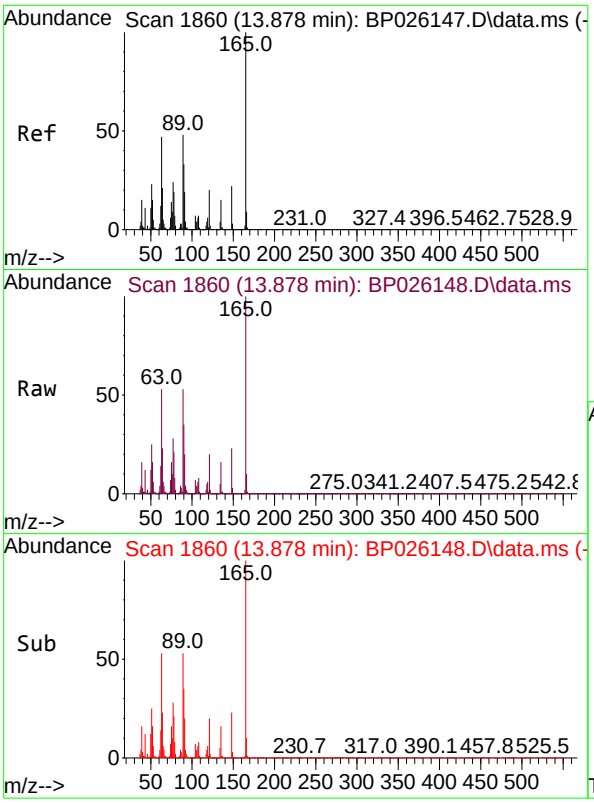


#50
Dimethylphthalate
Concen: 50.746 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:163 Resp: 2930655

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.2	12.2



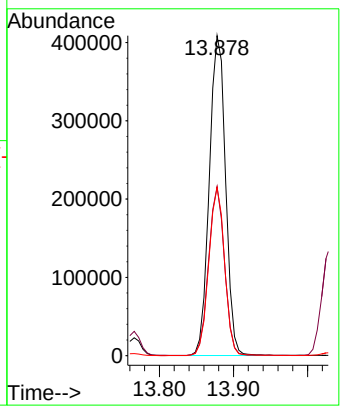


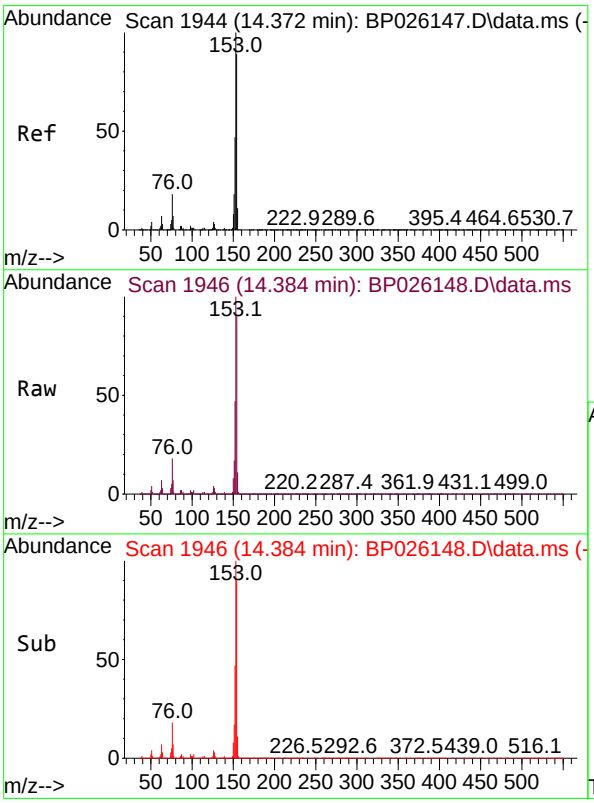
#51
2,6-Dinitrotoluene
Concen: 64.134 ng
RT: 13.878 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 622671

Ion	Ratio	Lower	Upper
165	100		
63	52.8	40.5	60.7
89	52.6	41.3	61.9

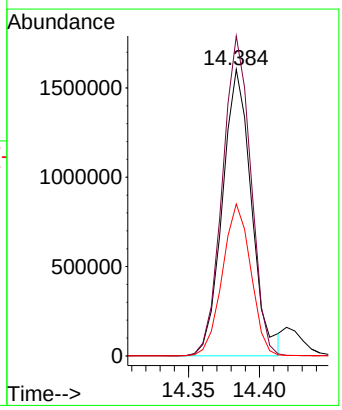


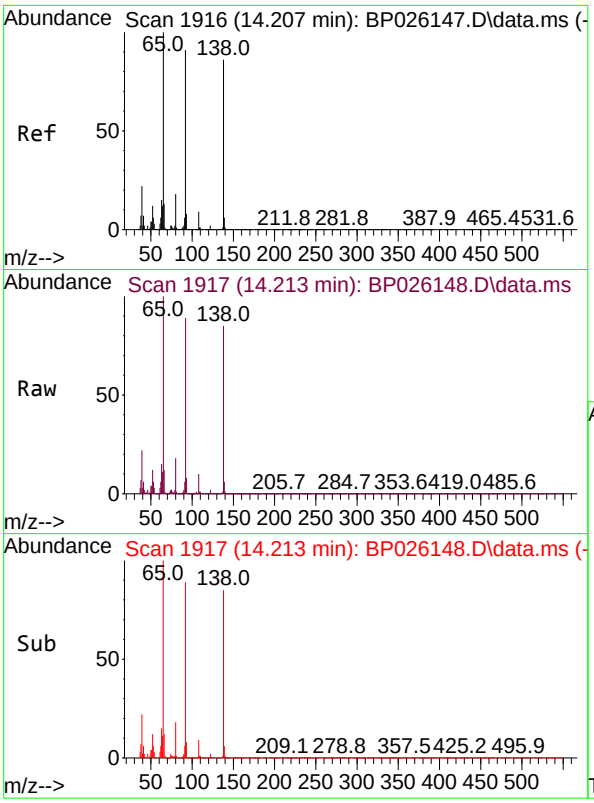


#52
Acenaphthene
Concen: 48.135 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:154 Resp: 2275322

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.7	136.1
152	53.0	42.8	64.2



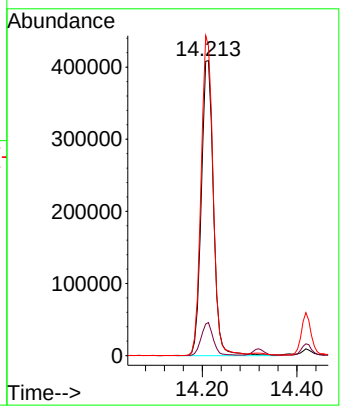


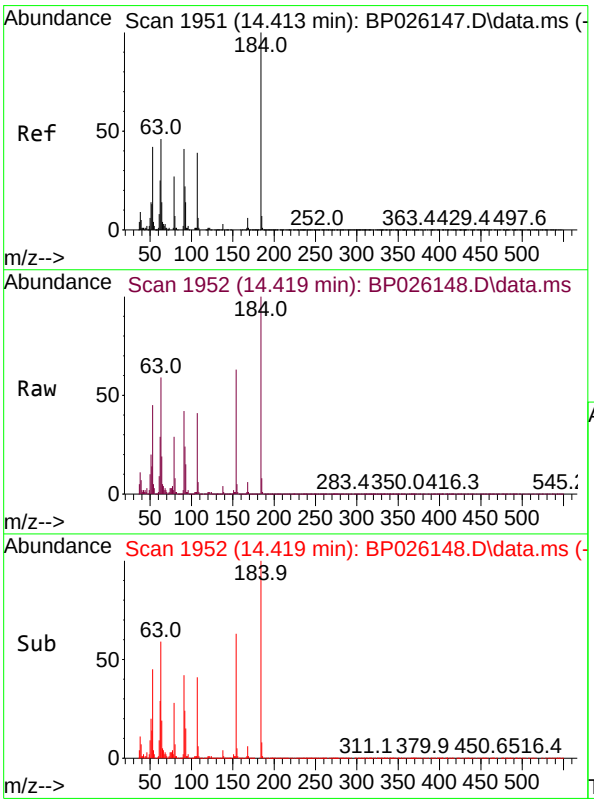
#53
3-Nitroaniline
Concen: 61.795 ng
RT: 14.213 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 725831

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.9	13.3
92	105.0	86.3	129.5

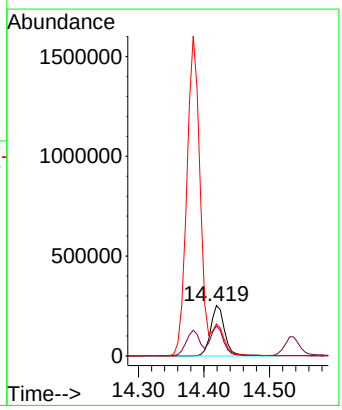


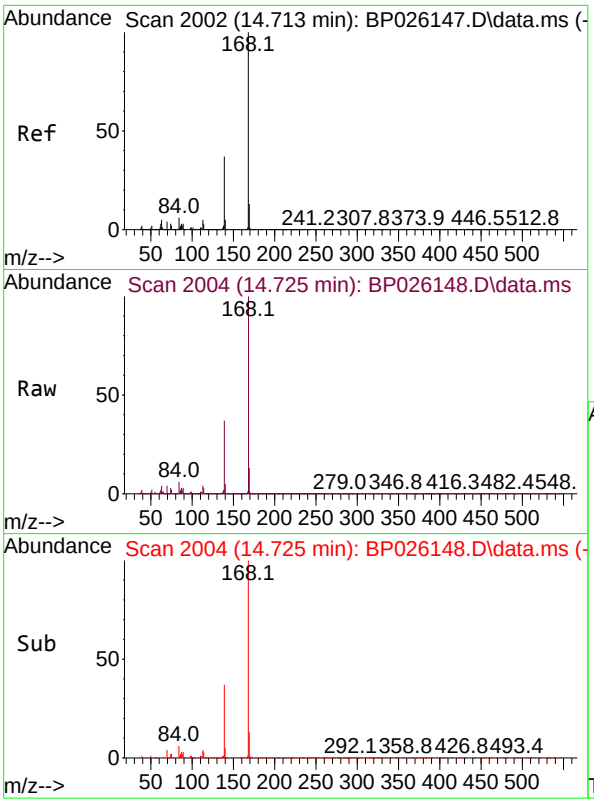


#54
2,4-Dinitrophenol
Concen: 83.625 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:184 Resp: 372594

Ion	Ratio	Lower	Upper
184	100		
63	59.3	43.1	64.7
154	63.4	49.5	74.3



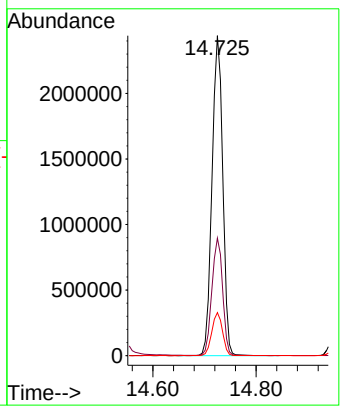


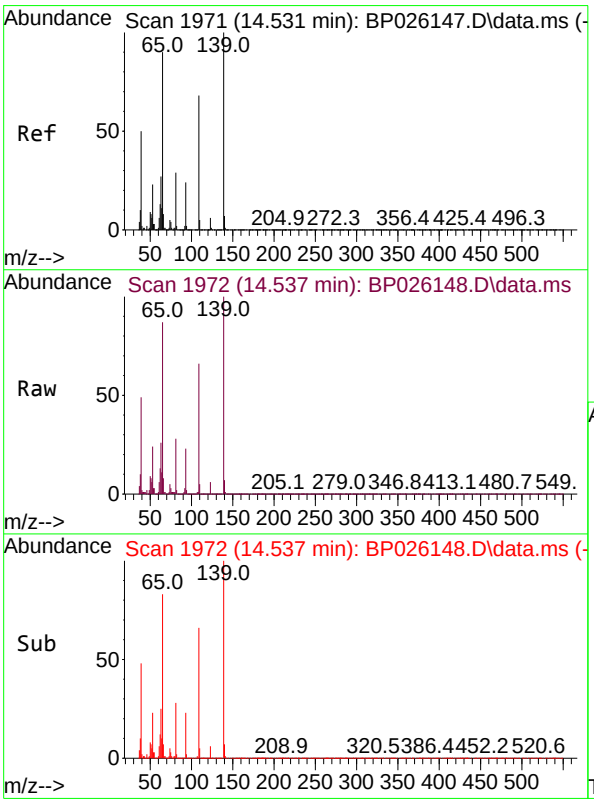
#55
Dibenzofuran
Concen: 48.822 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3514504

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.8	44.6
169	13.4	10.9	16.3

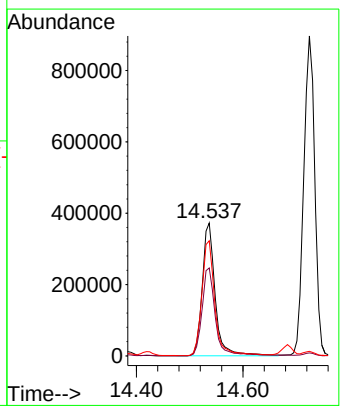


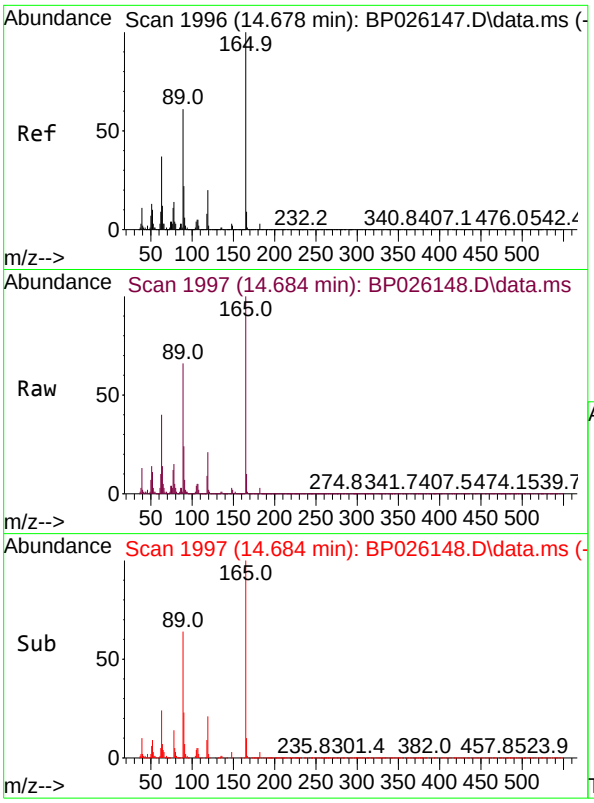


#56
4-Nitrophenol
Concen: 53.593 ng
RT: 14.537 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:139 Resp: 626548

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.8	86.8
65	86.7	69.3	109.3



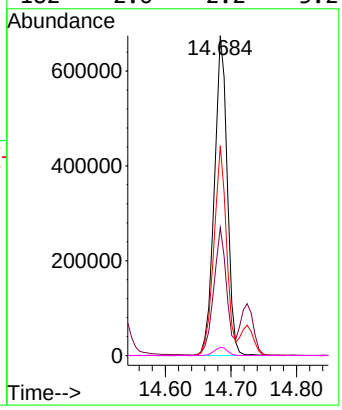


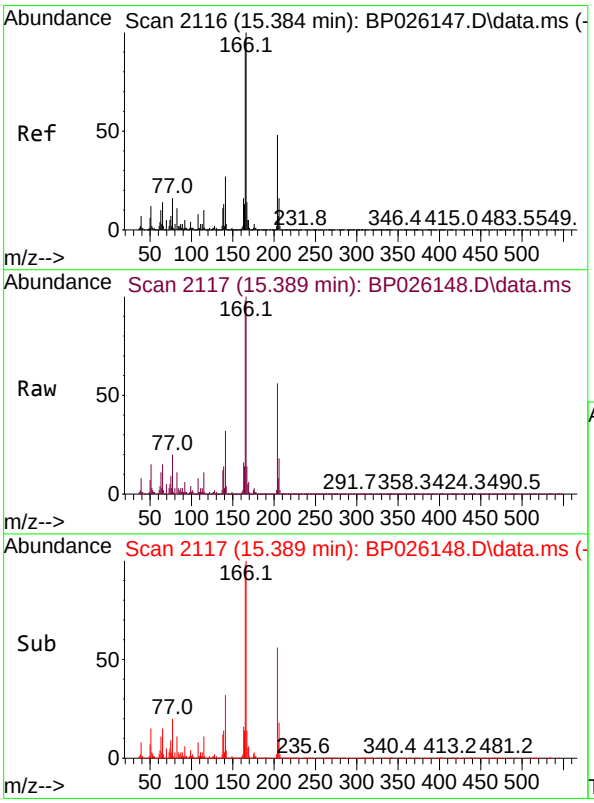
#57
2,4-Dinitrotoluene
Concen: 65.348 ng
RT: 14.684 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 925879

Ion	Ratio	Lower	Upper
165	100		
63	40.0	31.0	46.6
89	65.6	51.7	77.5
182	2.6	2.2	3.2

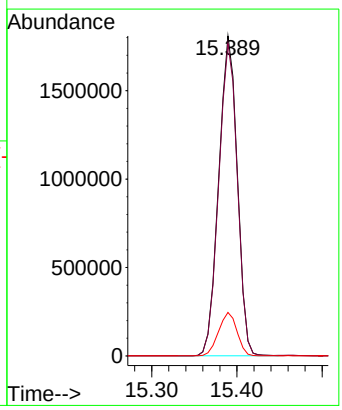


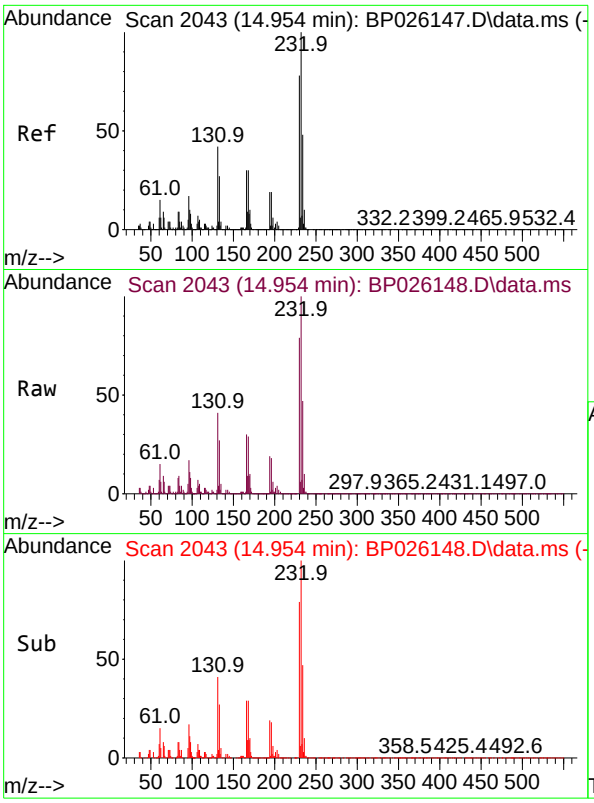


#58
Fluorene
Concen: 48.440 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:166 Resp: 2739619

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	13.6	11.0	16.4



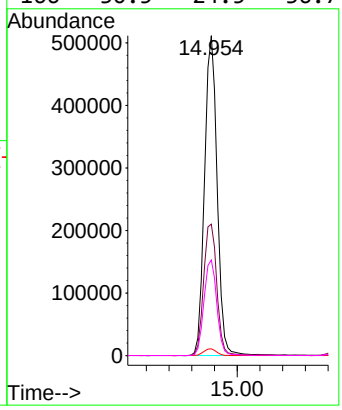


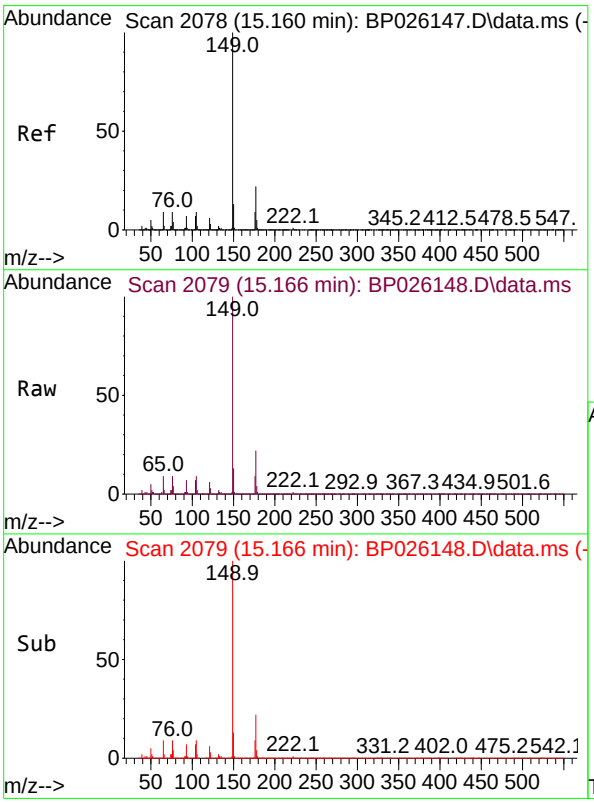
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.606 ng
RT: 14.954 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 791779

Ion	Ratio	Lower	Upper
232	100		
131	43.1	34.8	52.2
130	2.2	1.8	2.8
166	30.5	24.5	36.7

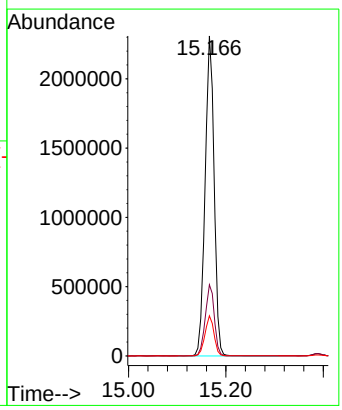


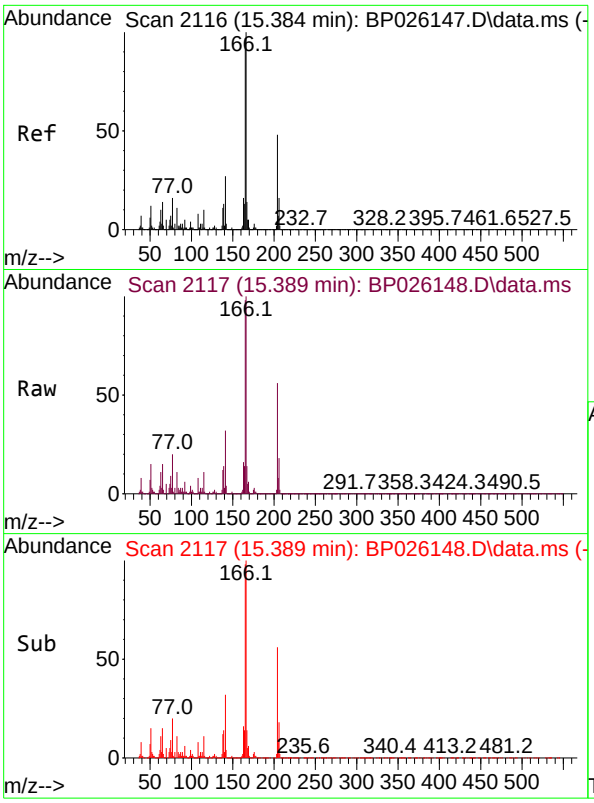


#60
Diethylphthalate
Concen: 51.232 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:149 Resp: 2976494

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.5	9.9	14.9



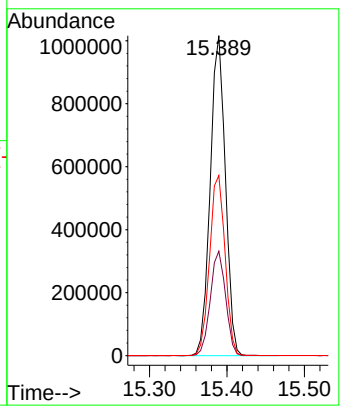


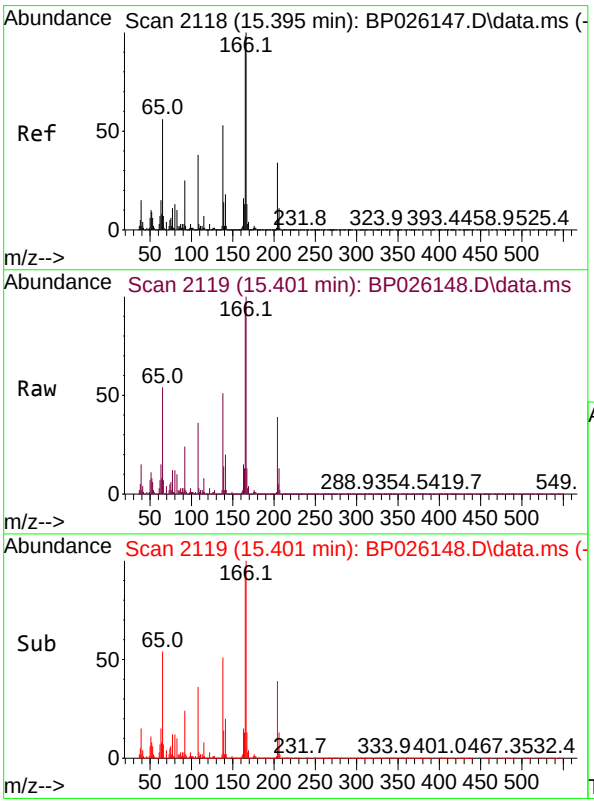
#61
4-Chlorophenyl-phenylether
Concen: 48.888 ng
RT: 15.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1378247

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	56.3	48.1	72.1

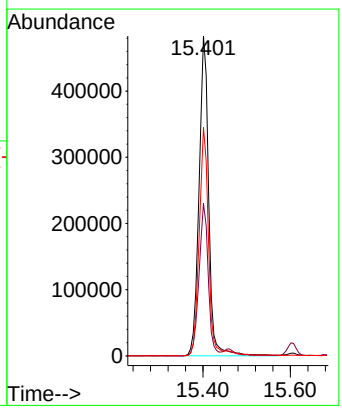


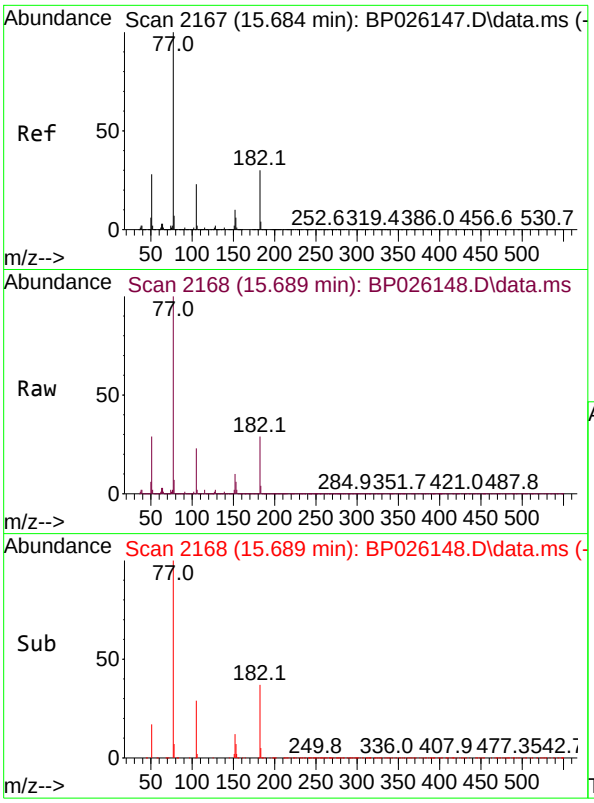


#62
4-Nitroaniline
Concen: 58.965 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:138 Resp: 734482

Ion	Ratio	Lower	Upper
138	100		
92	47.6	27.5	67.5
108	71.4	51.1	91.1



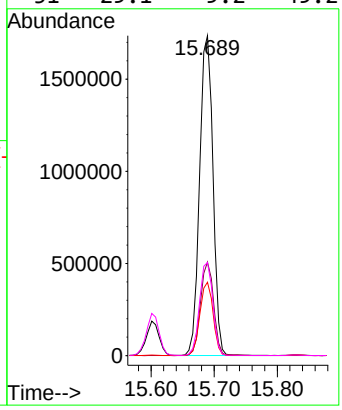


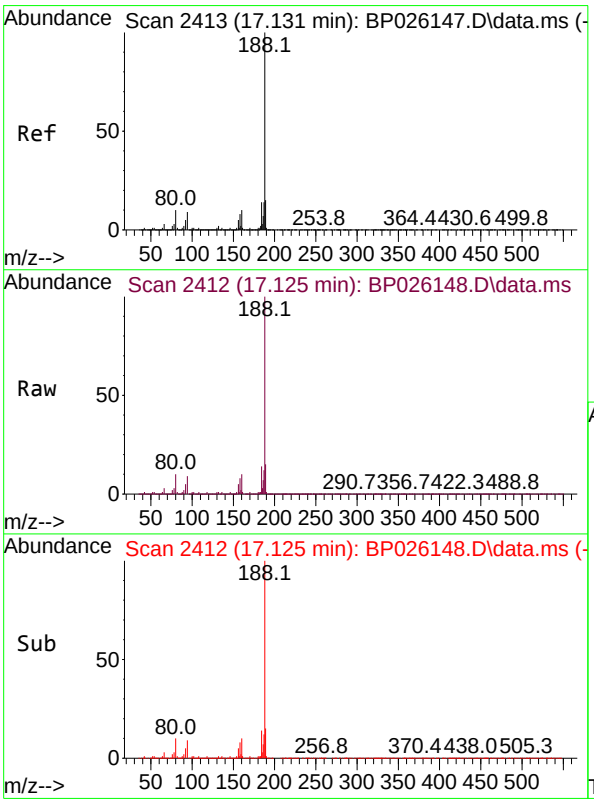
#63
Azobenzene
Concen: 48.803 ng
RT: 15.689 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2549241

Ion	Ratio	Lower	Upper
77	100		
182	29.2	8.8	48.8
105	22.9	2.6	42.6
51	29.1	9.2	49.2

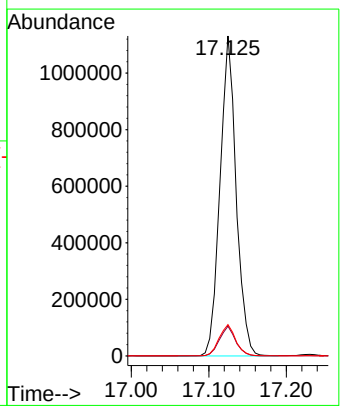


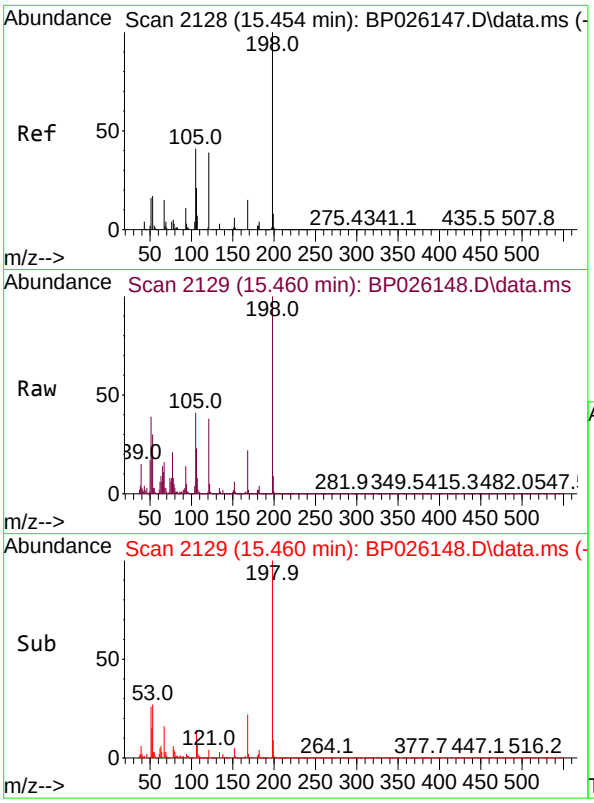


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:188 Resp: 1640808

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.6
80	9.8	8.2	12.2



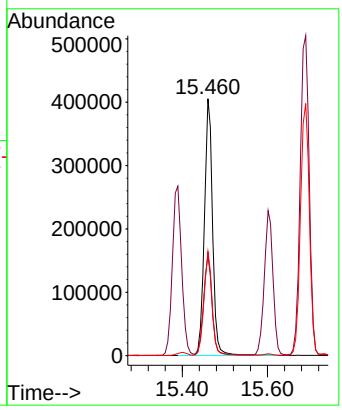


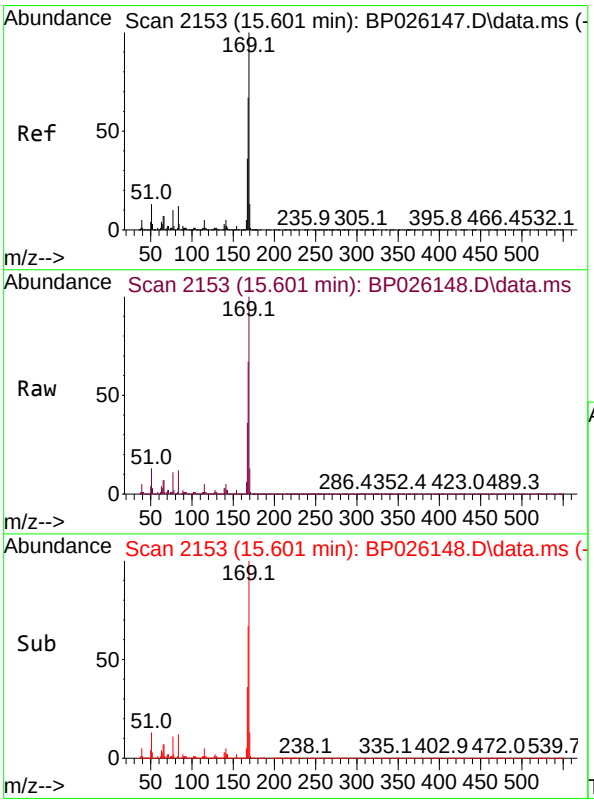
#65
4,6-Dinitro-2-methylphenol
Concen: 77.066 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 539726

Ion	Ratio	Lower	Upper
198	100		
51	38.9	18.4	58.4
105	40.5	18.5	58.5

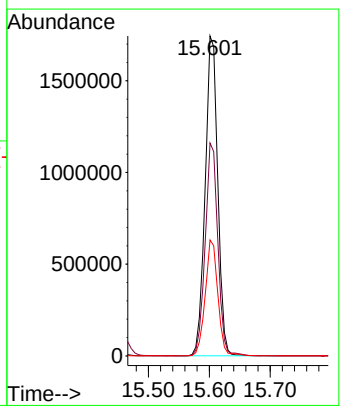


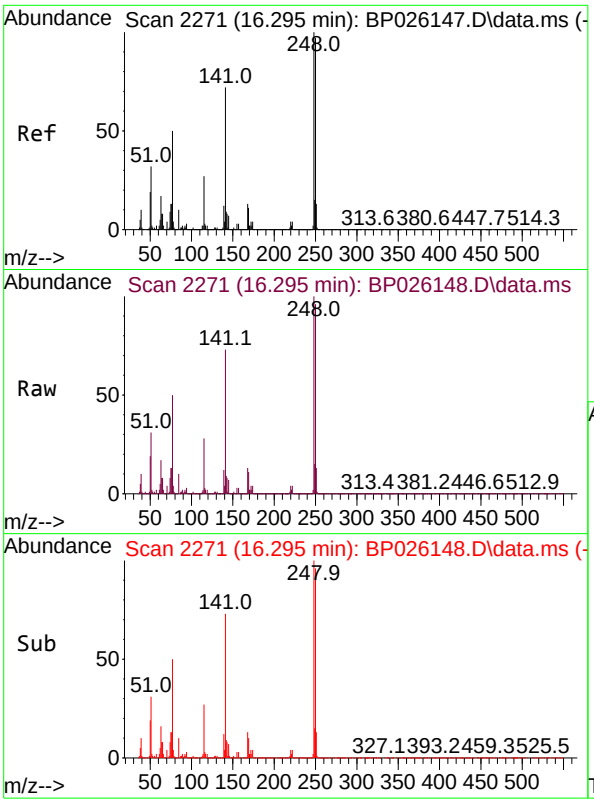


#66
n-Nitrosodiphenylamine
Concen: 48.943 ng
RT: 15.601 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:169 Resp: 2501945

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.1	79.7
167	36.3	28.9	43.3



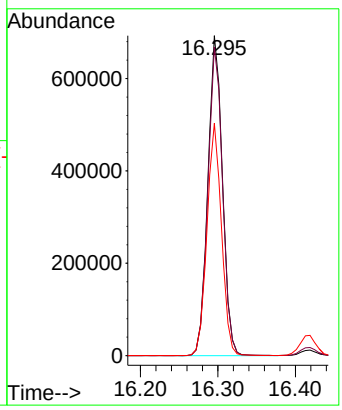


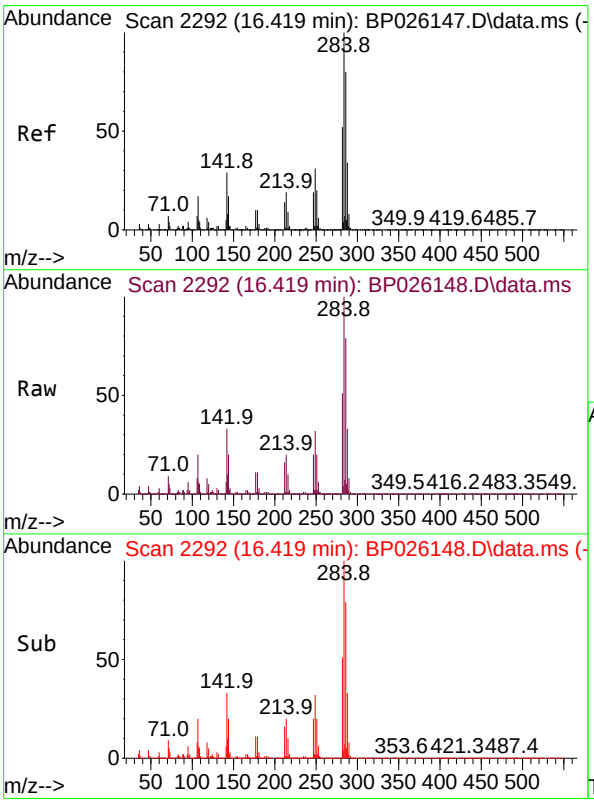
#67
4-Bromophenyl-phenylether
Concen: 49.759 ng
RT: 16.295 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 906367

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.8	116.6
141	72.6	55.4	83.0

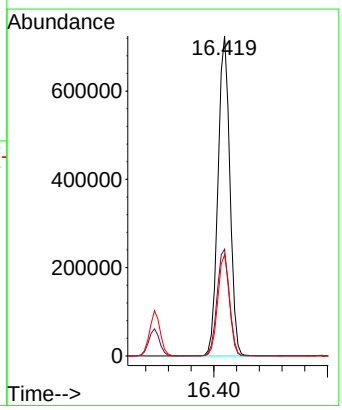


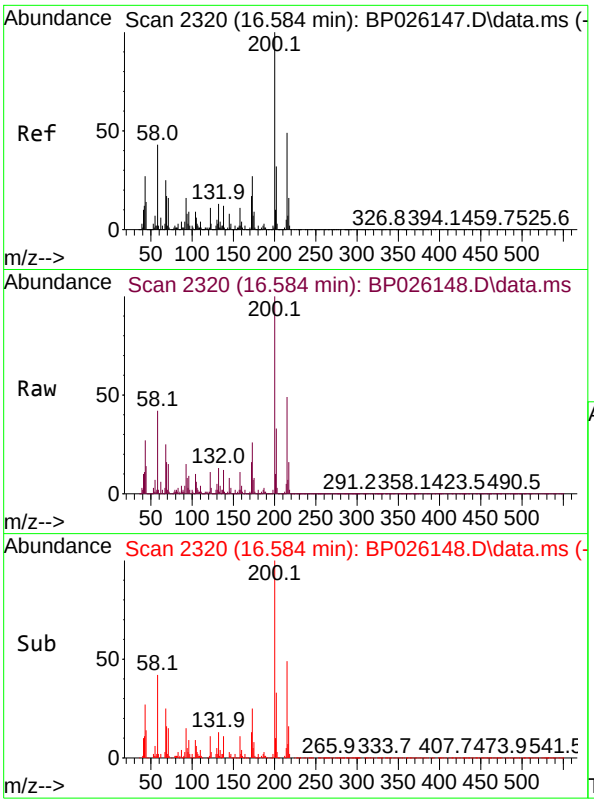


#68
Hexachlorobenzene
Concen: 50.429 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:284 Resp: 1044994

Ion	Ratio	Lower	Upper
284	100		
142	33.3	28.0	42.0
249	31.6	25.0	37.4



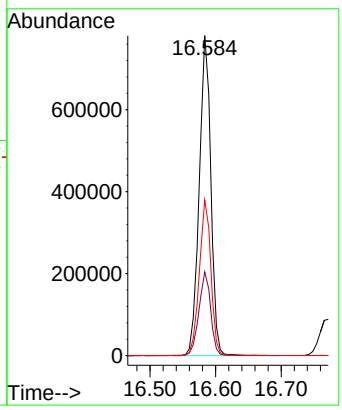


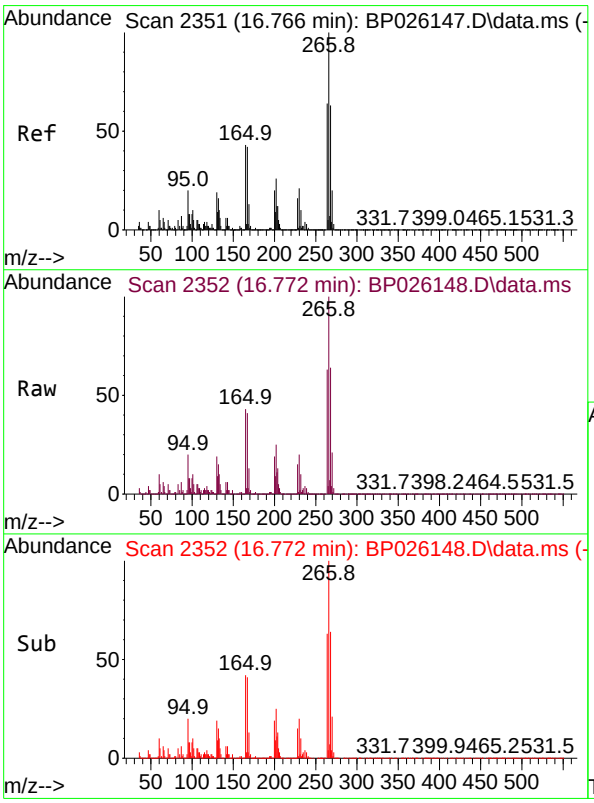
#69
Atrazine
Concen: 54.471 ng
RT: 16.584 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 954570

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	48.7	27.4	67.4

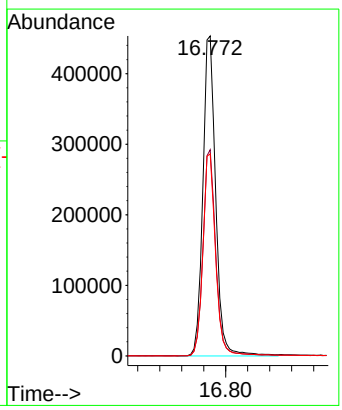


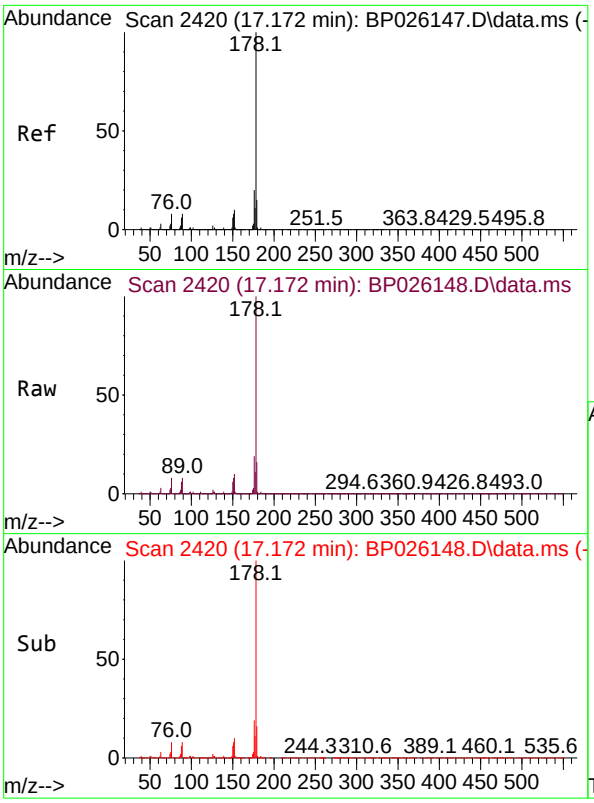


#70
Pentachlorophenol
Concen: 56.819 ng
RT: 16.772 min Scan# 2352
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:266 Resp: 733498

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.4
264	63.1	50.2	75.2



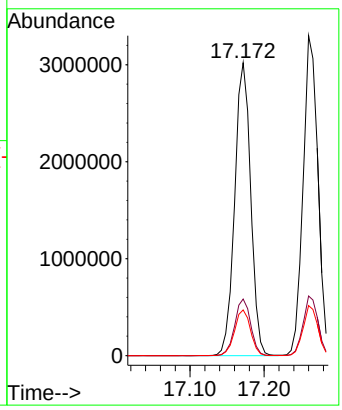


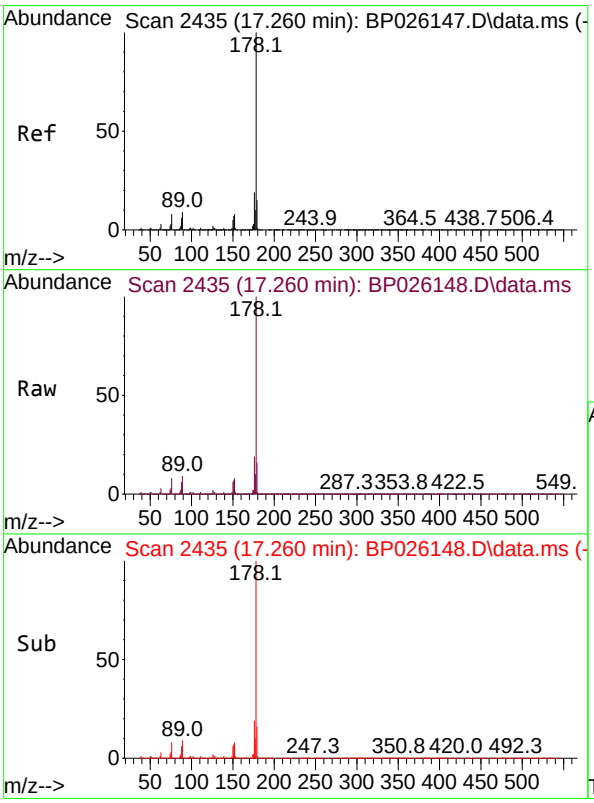
#71
Phenanthrene
Concen: 47.698 ng
RT: 17.172 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4521516

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.4	18.6

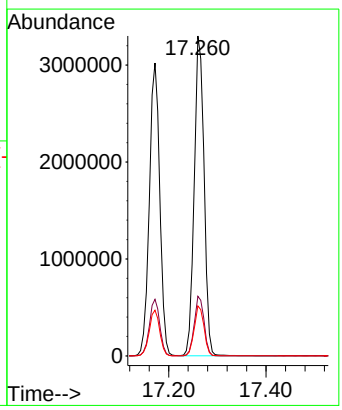


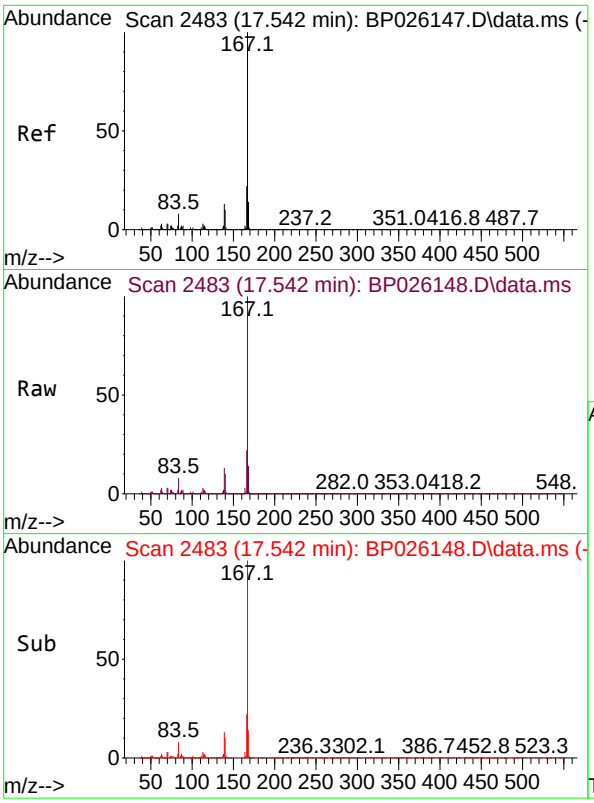


#72
Anthracene
Concen: 48.679 ng
RT: 17.260 min Scan# 2435
Delta R.T. -0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:178 Resp: 4603902

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	12.2	18.4



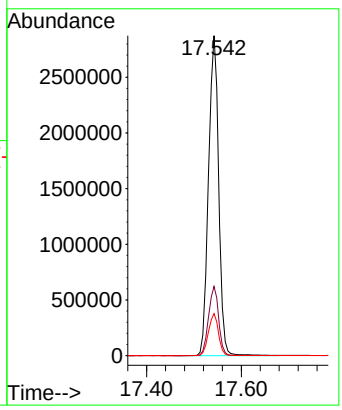


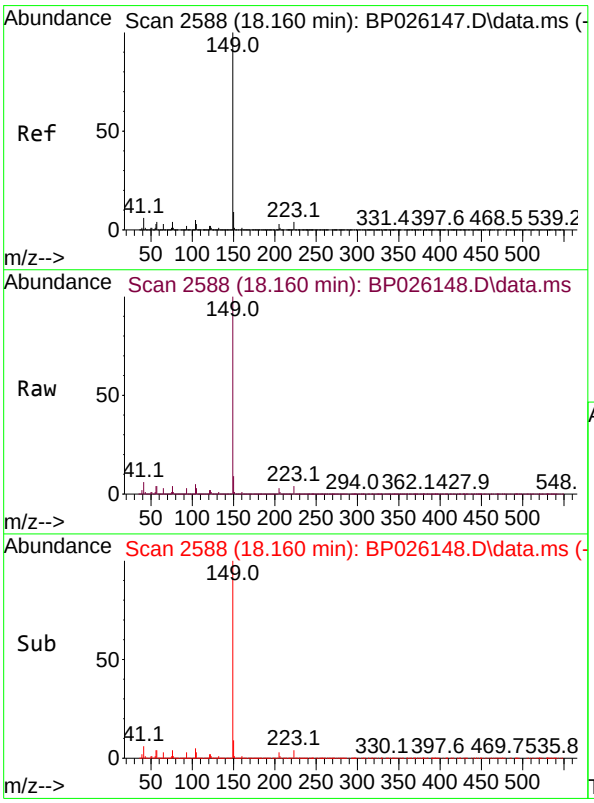
#73
Carbazole
Concen: 48.149 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4285462

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.1	10.2	15.4

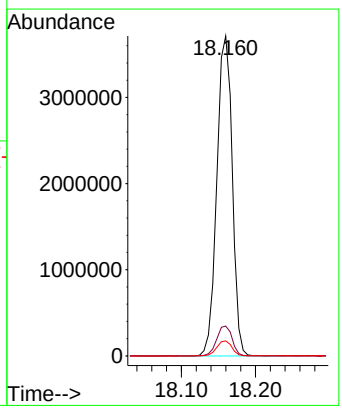


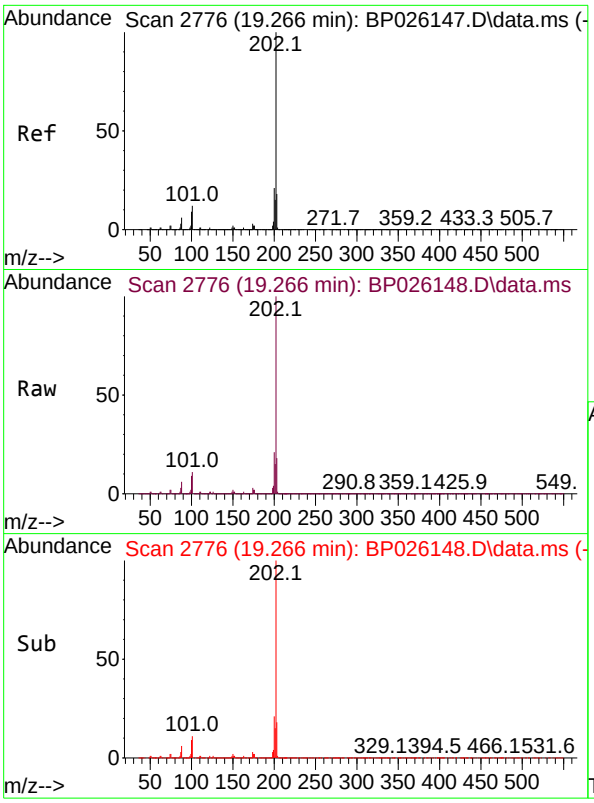


#74
Di-n-butylphthalate
Concen: 53.150 ng
RT: 18.160 min Scan# 2588
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:149 Resp: 5349681

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	3.6	5.4



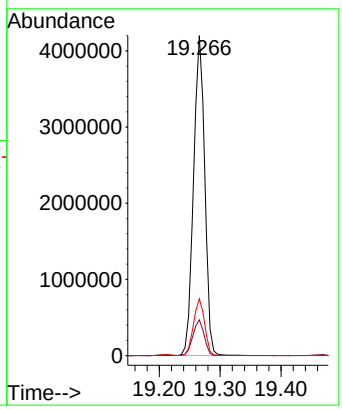


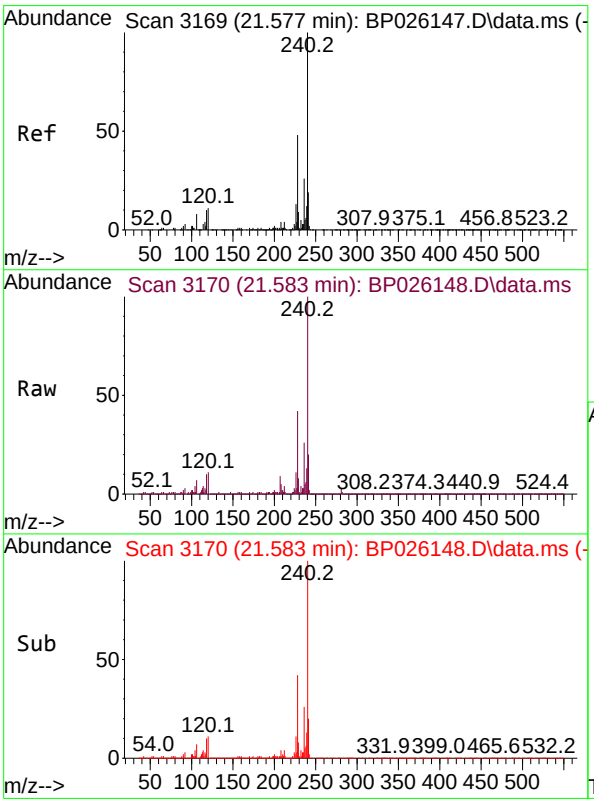
#75
Fluoranthene
Concen: 48.317 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5367252

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.8	0.0	37.7

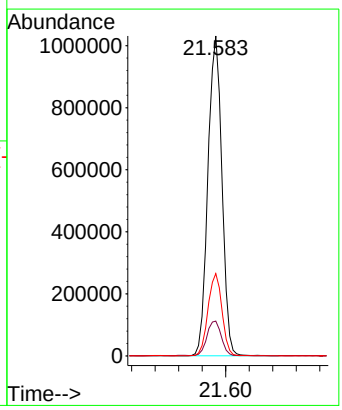


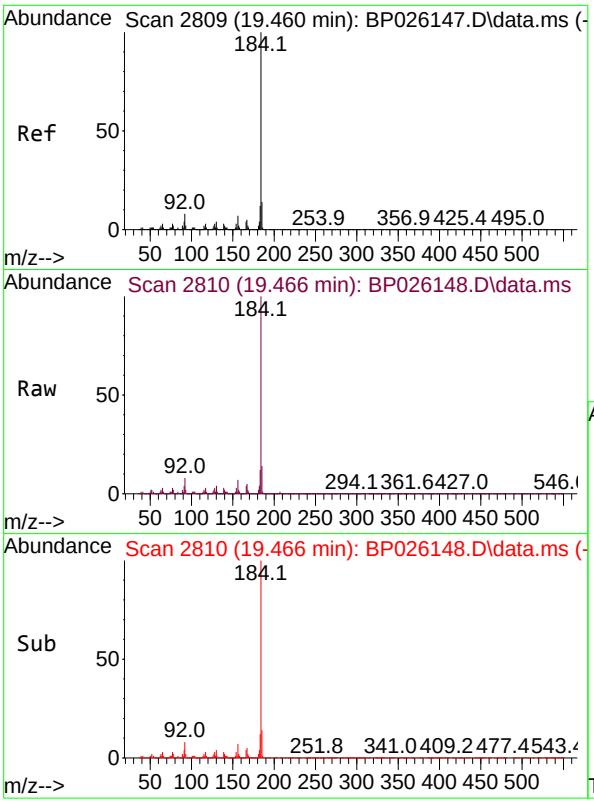


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:240 Resp: 1705823

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.7	20.4	30.6



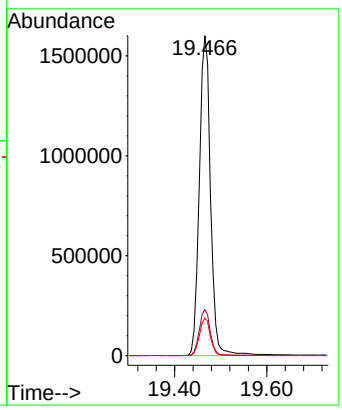


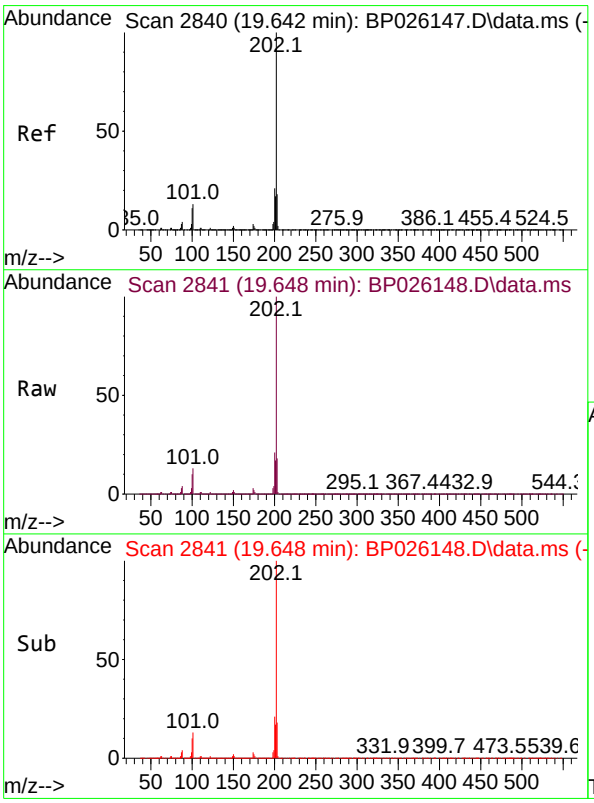
#77
Benzidine
Concen: 60.082 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2691261

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	11.7	9.0	13.6

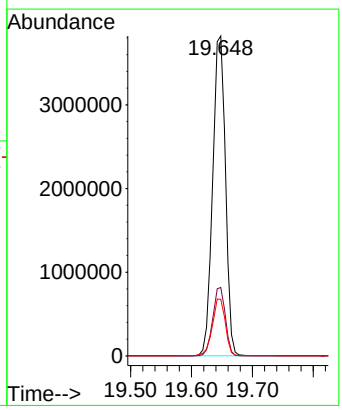


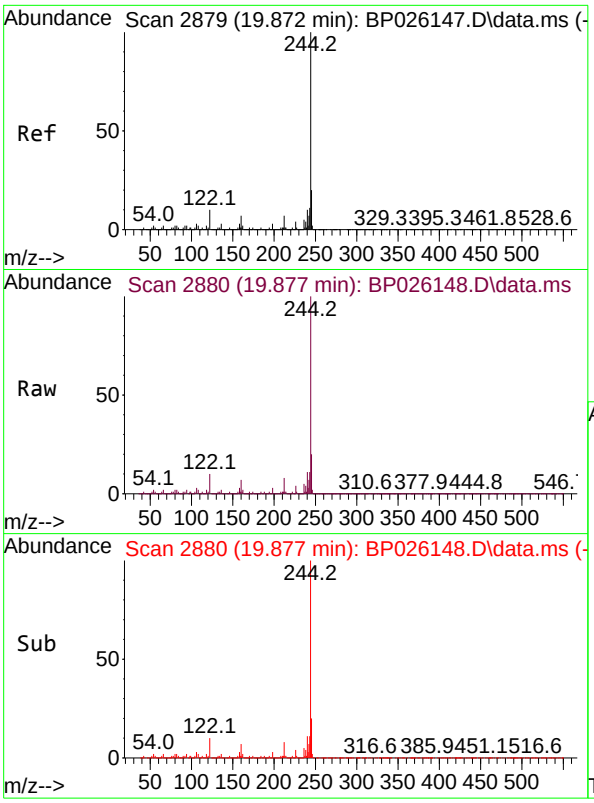


#78
Pyrene
Concen: 49.020 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:202 Resp: 5584319

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.7	13.8	20.8



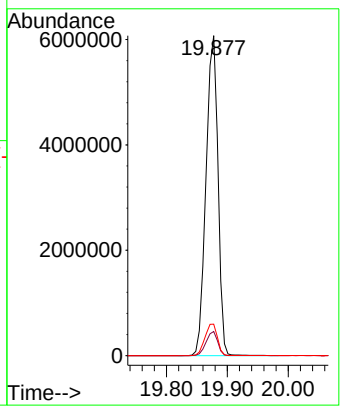


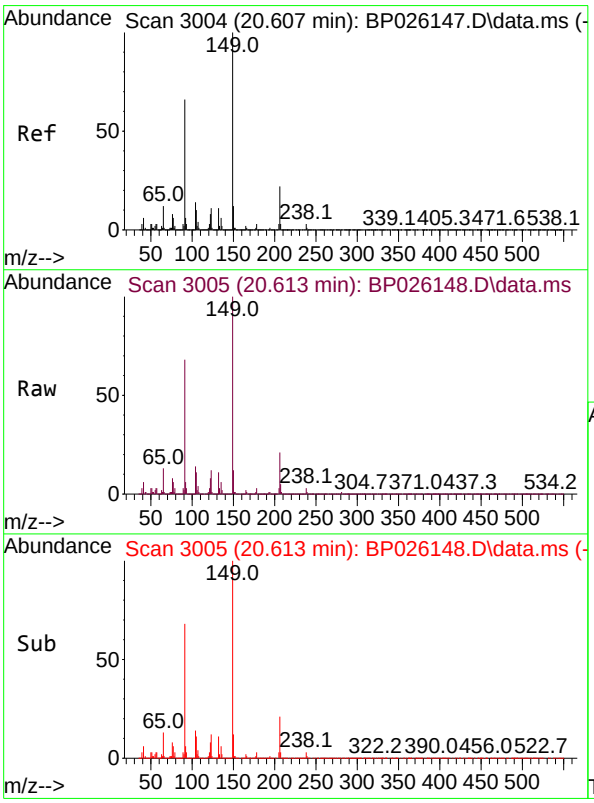
#79
Terphenyl-d14
Concen: 98.986 ng
RT: 19.877 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 8280260

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	9.8	8.2	12.2

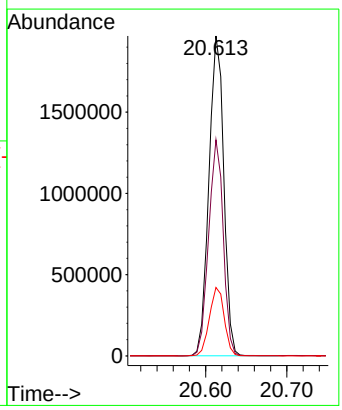


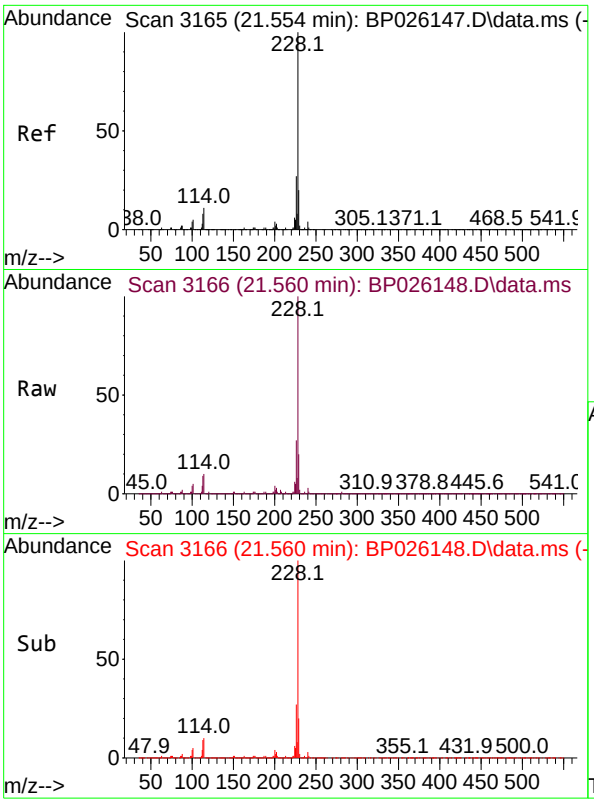


#80
Butylbenzylphthalate
Concen: 65.680 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:149 Resp: 2508473

Ion	Ratio	Lower	Upper
149	100		
91	67.5	52.6	79.0
206	21.4	16.9	25.3



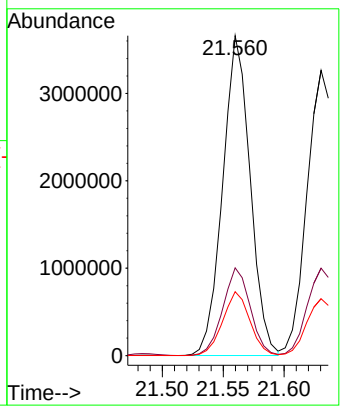


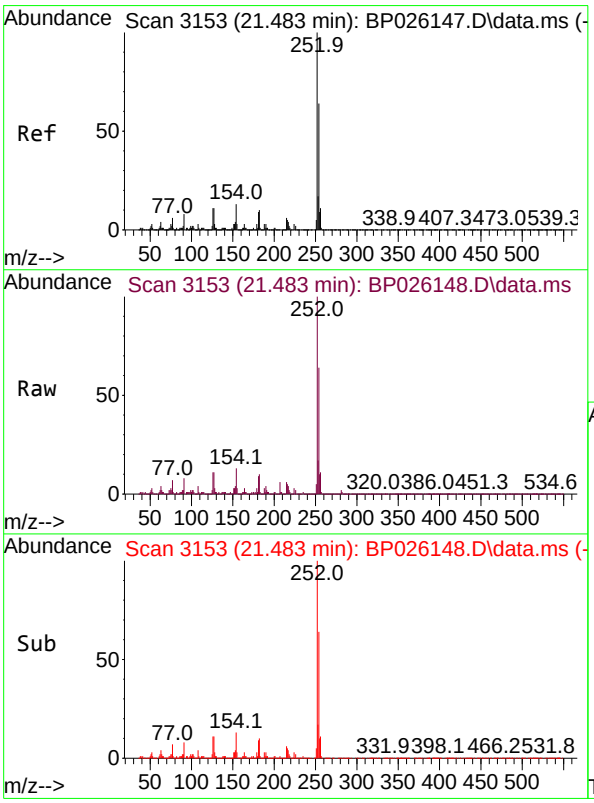
#81
Benzo(a)anthracene
Concen: 49.402 ng
RT: 21.560 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5754455

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.0	15.9	23.9

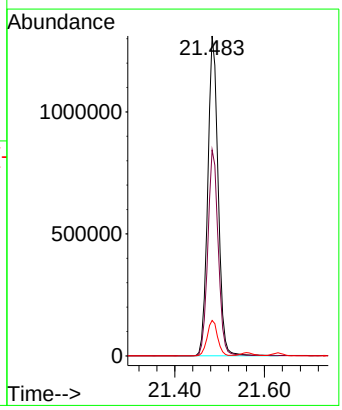


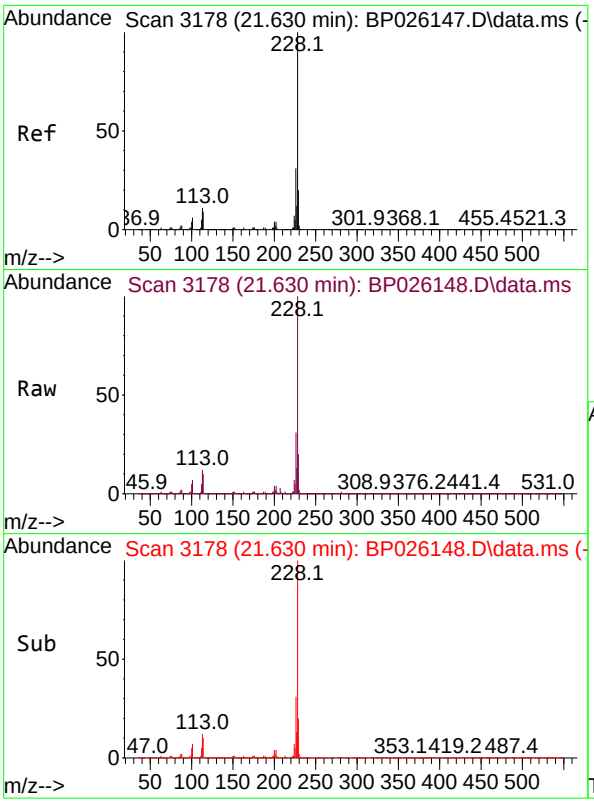


#82
3,3'-Dichlorobenzidine
Concen: 54.722 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:252 Resp: 2099346

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.2	76.8
126	11.1	8.2	12.4



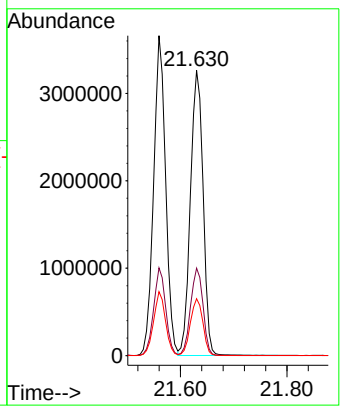


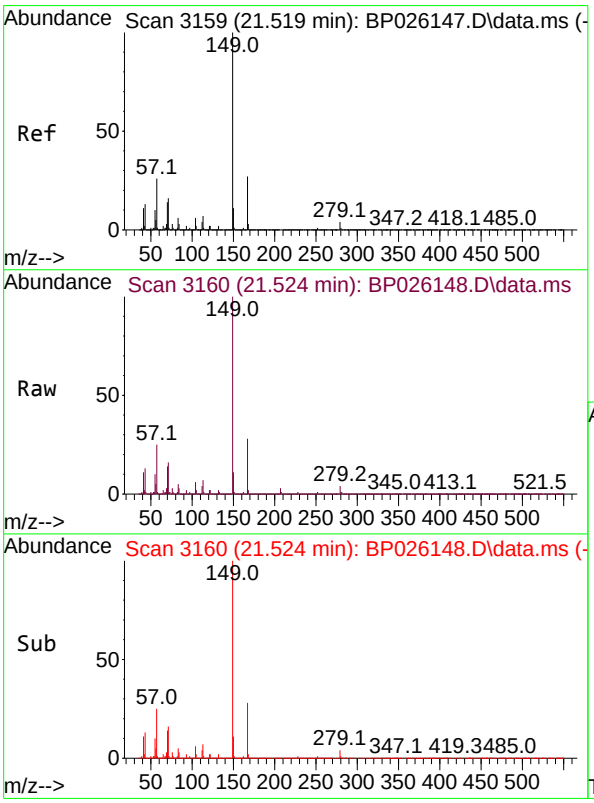
#83
Chrysene
Concen: 48.904 ng
RT: 21.630 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5399638

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	20.0	15.9	23.9

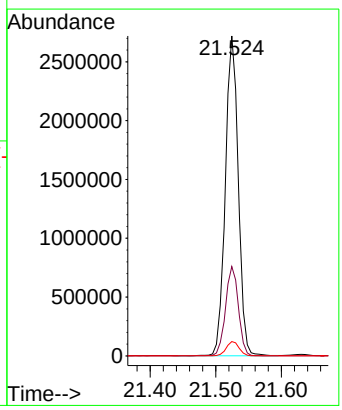


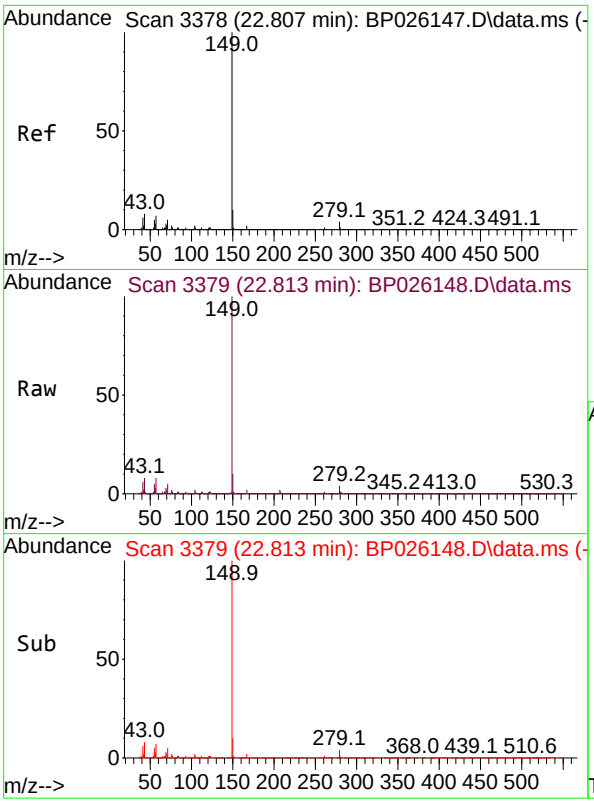


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.805 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:149 Resp: 3735211

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.5	3.3	4.9



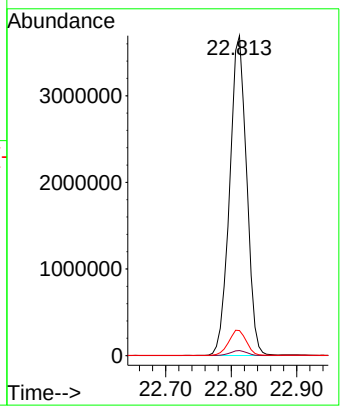


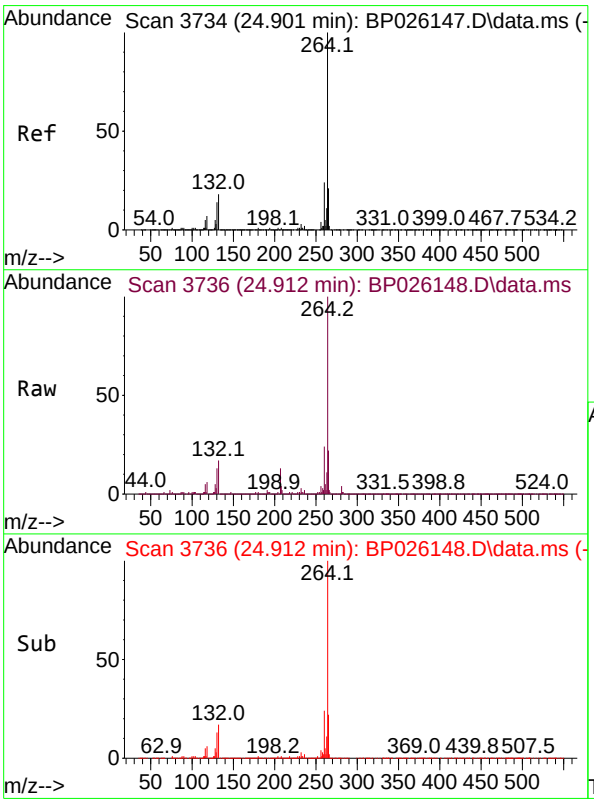
#85
Di-n-octyl phthalate
Concen: 62.248 ng
RT: 22.813 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 6624425

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.1	6.6	10.0

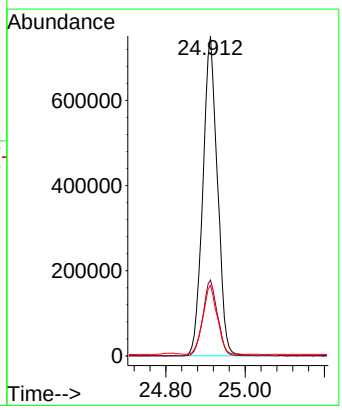


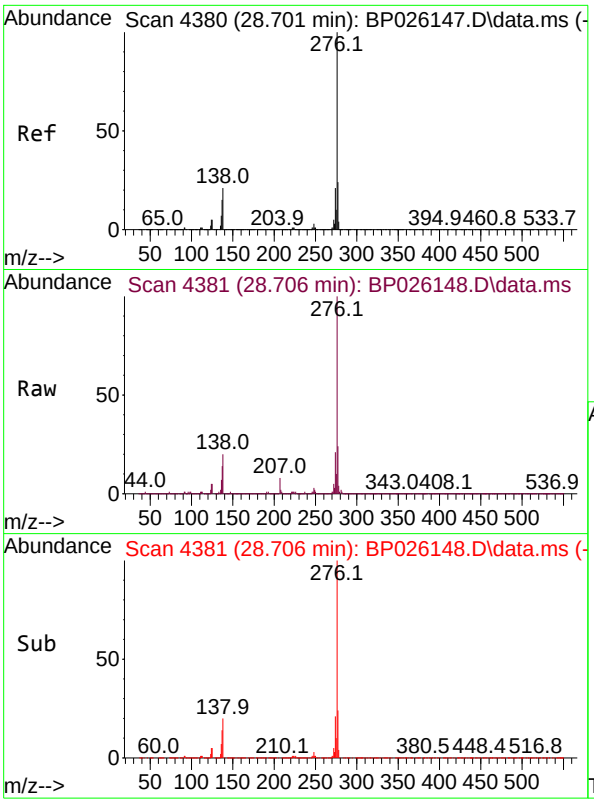


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.912 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:264 Resp: 1916962

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.0	17.5	26.3



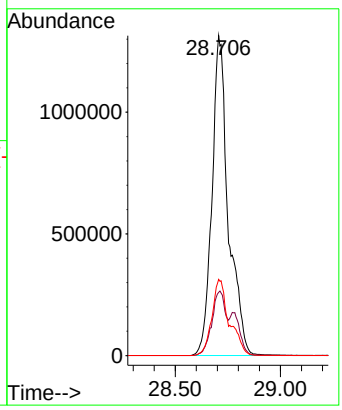


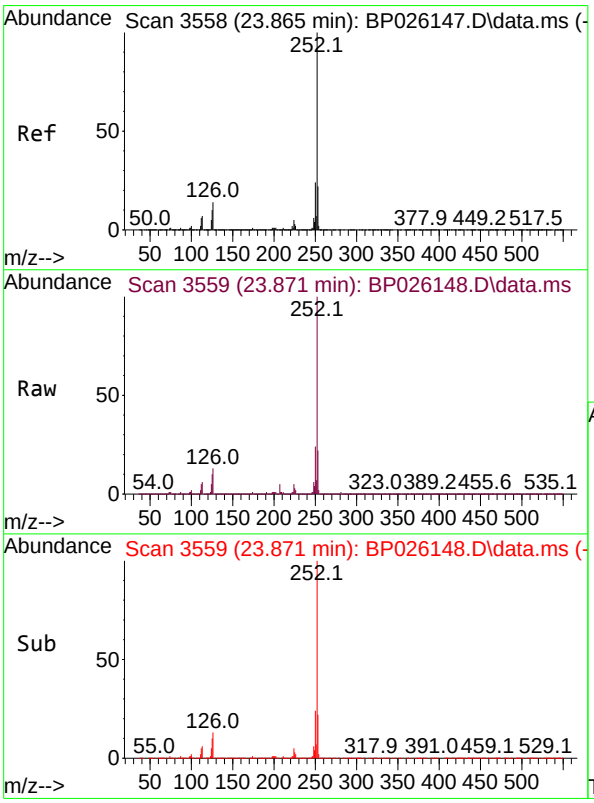
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.540 ng
RT: 28.706 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 7108078

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.8	20.8
277	25.3	16.7	25.1#

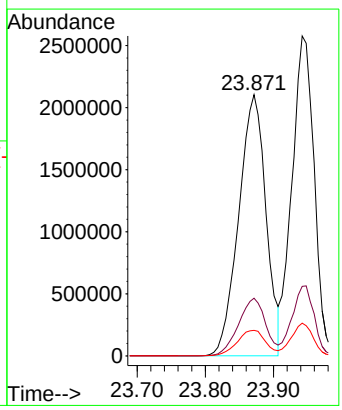


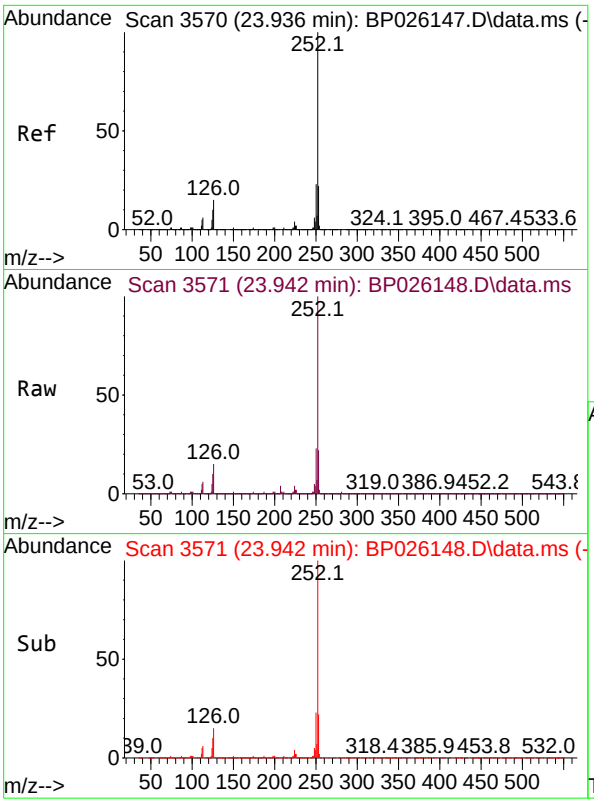


#88
Benzo(b)fluoranthene
Concen: 49.795 ng
RT: 23.871 min Scan# 3559
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:252 Resp: 5855690

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.8	8.2	12.4



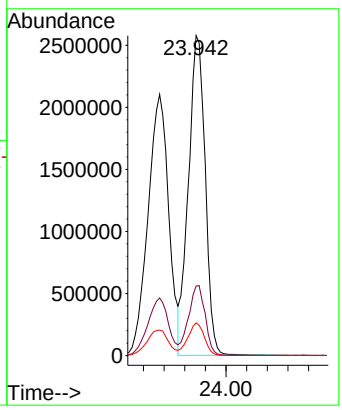


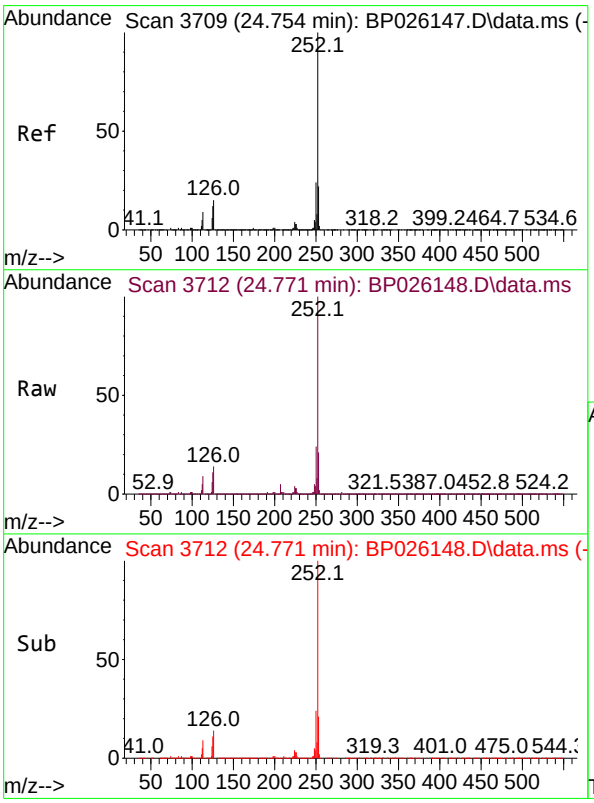
#89
Benzo(k)fluoranthene
Concen: 48.345 ng
RT: 23.942 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 5812408

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.2	7.5	11.3

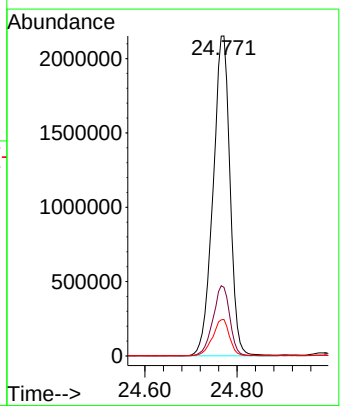


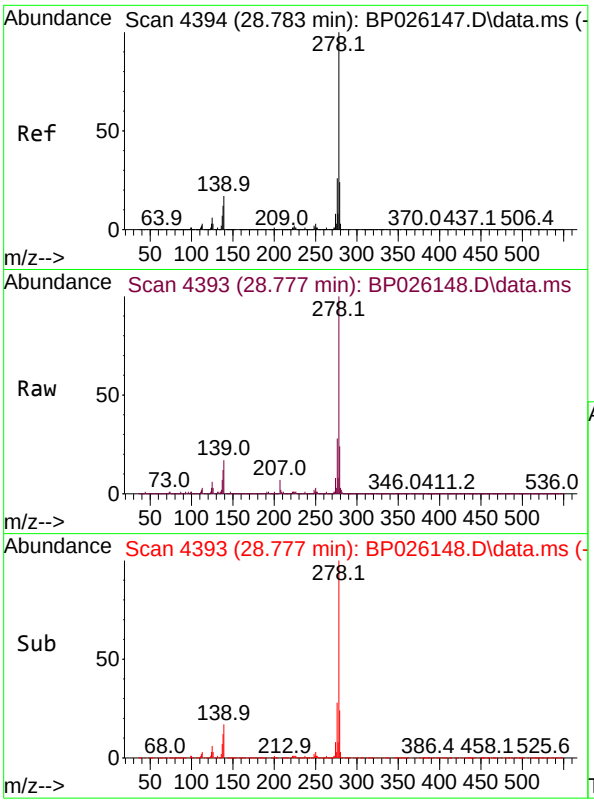


#90
Benzo(a)pyrene
Concen: 50.567 ng
RT: 24.771 min Scan# 3712
Delta R.T. 0.018 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:252 Resp: 5498511

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	11.4	9.0	13.6



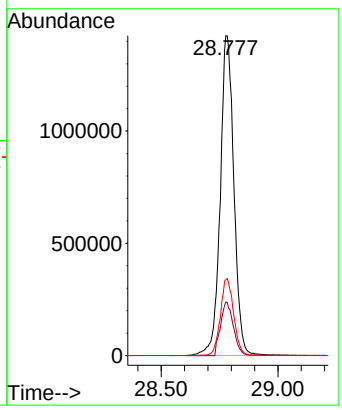


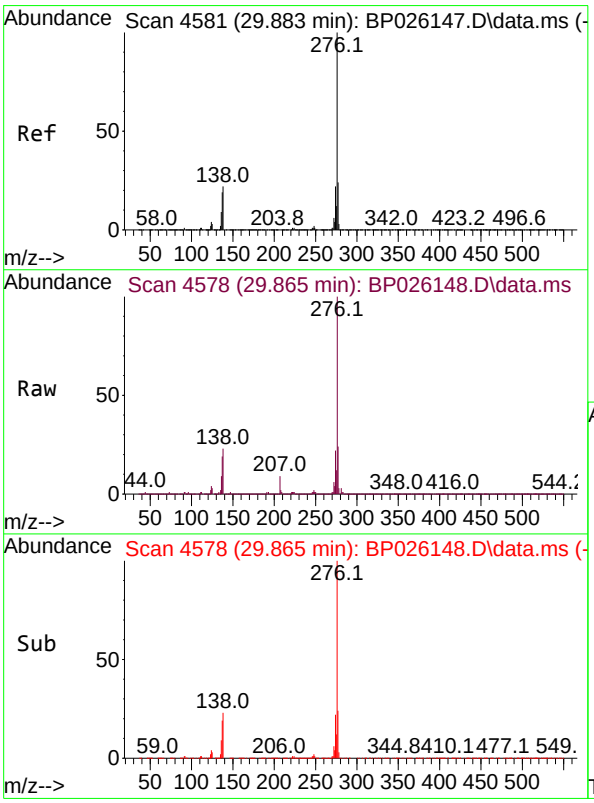
#91
Dibenzo(a,h)anthracene
Concen: 50.535 ng
RT: 28.777 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 5794869

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.2	19.8
279	23.8	19.2	28.8

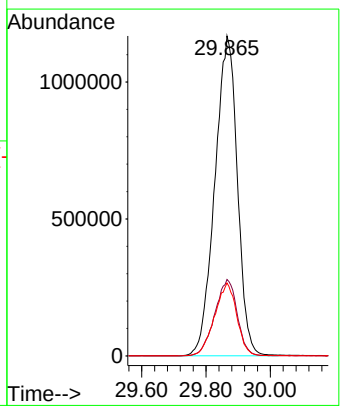




#92
Benzo(g,h,i)perylene
Concen: 51.276 ng
RT: 29.865 min Scan# 4578
Delta R.T. -0.018 min
Lab File: BP026148.D
Acq: 18 Nov 2025 18:38

Tgt Ion:276 Resp: 5679489

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.8	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026149.D
Acq On : 18 Nov 2025 20:00
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.672	152	314197	20.000	ng		0.00
21) Naphthalene-d8	10.443	136	1293043	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	796804	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	1609780	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1696557	20.000	ng		0.01
86) Perylene-d12	24.924	264	2032089	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	2372047	121.142	ng		0.00
7) Phenol-d6	6.855	99	3028199	121.372	ng		0.00
23) Nitrobenzene-d5	8.813	82	2754539	120.813	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	1244554	120.534	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	6333636	115.965	ng		0.00
79) Terphenyl-d14	19.872	244	9339644	112.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.220	88	476245	59.785	ng		99
3) Pyridine	3.614	79	1382108	60.186	ng		99
4) n-Nitrosodimethylamine	3.520	42	517563	60.473	ng		95
6) Aniline	7.008	93	2004653	60.994	ng		99
8) 2-Chlorophenol	7.243	128	1356198	60.900	ng		99
9) Benzaldehyde	6.819	77	765301	71.224	ng		99
10) Phenol	6.878	94	1642143	61.164	ng		99
11) bis(2-Chloroethyl)ether	7.102	93	1261123	60.197	ng		99
12) 1,3-Dichlorobenzene	7.561	146	1430521	59.655	ng		100
13) 1,4-Dichlorobenzene	7.708	146	1443827	59.788	ng		100
14) 1,2-Dichlorobenzene	8.019	146	1385870	59.657	ng		99
15) Benzyl Alcohol	7.908	79	1096741	60.077	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.196	45	1745357	58.925	ng		99
17) 2-Methylphenol	8.108	107	1112503	60.841	ng		99
18) Hexachloroethane	8.743	117	525228	59.675	ng		97
19) n-Nitroso-di-n-propyla...	8.472	70	919437	59.177	ng		99
20) 3+4-Methylphenols	8.437	107	1508814	59.338	ng		100
22) Acetophenone	8.484	105	1966749	59.787	ng	#	99
24) Nitrobenzene	8.855	77	1394959	60.453	ng		100
25) Isophorone	9.384	82	2661277	58.787	ng		99
26) 2-Nitrophenol	9.555	139	744625	64.005	ng		99
27) 2,4-Dimethylphenol	9.625	122	1267624	60.144	ng		99
28) bis(2-Chloroethoxy)met...	9.855	93	1650883	58.243	ng		99
29) 2,4-Dichlorophenol	10.090	162	1279059	60.911	ng		99
30) 1,2,4-Trichlorobenzene	10.307	180	1271878	59.435	ng		99
31) Naphthalene	10.496	128	4106445	58.487	ng		99
32) Benzoic acid	9.802	122	1274317	75.148	ng		98
33) 4-Chloroaniline	10.596	127	1774806	59.551	ng		99
34) Hexachlorobutadiene	10.784	225	820866	58.957	ng		99
35) Caprolactam	11.390	113	442308	58.493	ng		99
36) 4-Chloro-3-methylphenol	11.731	107	1333194	59.672	ng		99
37) 2-Methylnaphthalene	12.107	142	2892574	58.205	ng		100
38) 1-Methylnaphthalene	12.331	142	2826038	58.118	ng		99
40) 1,2,4,5-Tetrachloroben...	12.484	216	1458024	60.722	ng		100
41) Hexachlorocyclopentadiene	12.466	237	999826	63.796	ng		100
43) 2,4,6-Trichlorophenol	12.719	196	1019369	61.691	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026149.D
Acq On : 18 Nov 2025 20:00
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.796	196	1129527	61.302	ng	99
46) 1,1'-Biphenyl	13.131	154	3595006	60.111	ng	100
47) 2-Chloronaphthalene	13.172	162	2855986	60.741	ng	100
48) 2-Nitroaniline	13.372	65	833079	63.445	ng	97
49) Acenaphthylene	14.031	152	4662622	59.935	ng	100
50) Dimethylphthalate	13.766	163	3514882	59.198	ng	100
51) 2,6-Dinitrotoluene	13.884	165	748865	63.777	ng	98
52) Acenaphthene	14.384	154	2756036	60.573	ng	100
53) 3-Nitroaniline	14.219	138	878733	63.349	ng	99
54) 2,4-Dinitrophenol	14.419	184	462858	65.711	ng	97
55) Dibenzofuran	14.725	168	4154597	58.432	ng	99
56) 4-Nitrophenol	14.543	139	775308	61.570	ng	99
57) 2,4-Dinitrotoluene	14.684	165	1112352	63.016	ng	99
58) Fluorene	15.390	166	3230615	57.477	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.960	232	945836	60.606	ng	100
60) Diethylphthalate	15.166	149	3494483	58.065	ng	99
61) 4-Chlorophenyl-phenyle...	15.390	204	1609638	57.693	ng	98
62) 4-Nitroaniline	15.407	138	898849	61.908	ng	99
63) Azobenzene	15.690	77	2992722	59.189	ng	99
65) 4,6-Dinitro-2-methylph...	15.466	198	645829	63.752	ng	97
66) n-Nitrosodiphenylamine	15.607	169	2939838	59.025	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	1064991	59.865	ng	98
68) Hexachlorobenzene	16.419	284	1225655	59.631	ng	98
69) Atrazine	16.589	200	1106977	59.021	ng	99
70) Pentachlorophenol	16.766	266	870320	60.353	ng	99
71) Phenanthrene	17.172	178	5259509	57.751	ng	100
72) Anthracene	17.266	178	5478029	58.894	ng	99
73) Carbazole	17.548	167	5069471	57.610	ng	99
74) Di-n-butylphthalate	18.154	149	5907343	56.562	ng	100
75) Fluoranthene	19.266	202	6367611	57.206	ng	100
77) Benzidine	19.466	184	3022349	57.876	ng	100
78) Pyrene	19.642	202	6627085	59.952	ng	99
80) Butylbenzylphthalate	20.607	149	2824354	57.369	ng	99
81) Benzo(a)anthracene	21.566	228	6873070	59.071	ng	99
82) 3,3'-Dichlorobenzidine	21.489	252	2496806	59.050	ng	99
83) Chrysene	21.630	228	6511651	59.444	ng	99
84) Bis(2-ethylhexyl)phtha...	21.525	149	4143037	56.063	ng	99
85) Di-n-octyl phthalate	22.813	149	7466824	57.415	ng	99
87) Indeno(1,2,3-cd)pyrene	28.724	276	9332480m	61.647	ng	
88) Benzo(b)fluoranthene	23.877	252	7316006	59.218	ng	99
89) Benzo(k)fluoranthene	23.954	252	7264550	58.835	ng	99
90) Benzo(a)pyrene	24.765	252	6987741	59.626	ng	99
91) Dibenzo(a,h)anthracene	28.795	278	7590692	61.180	ng	99
92) Benzo(g,h,i)perylene	29.883	276	7581255	61.561	ng	99

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

ICAL Form

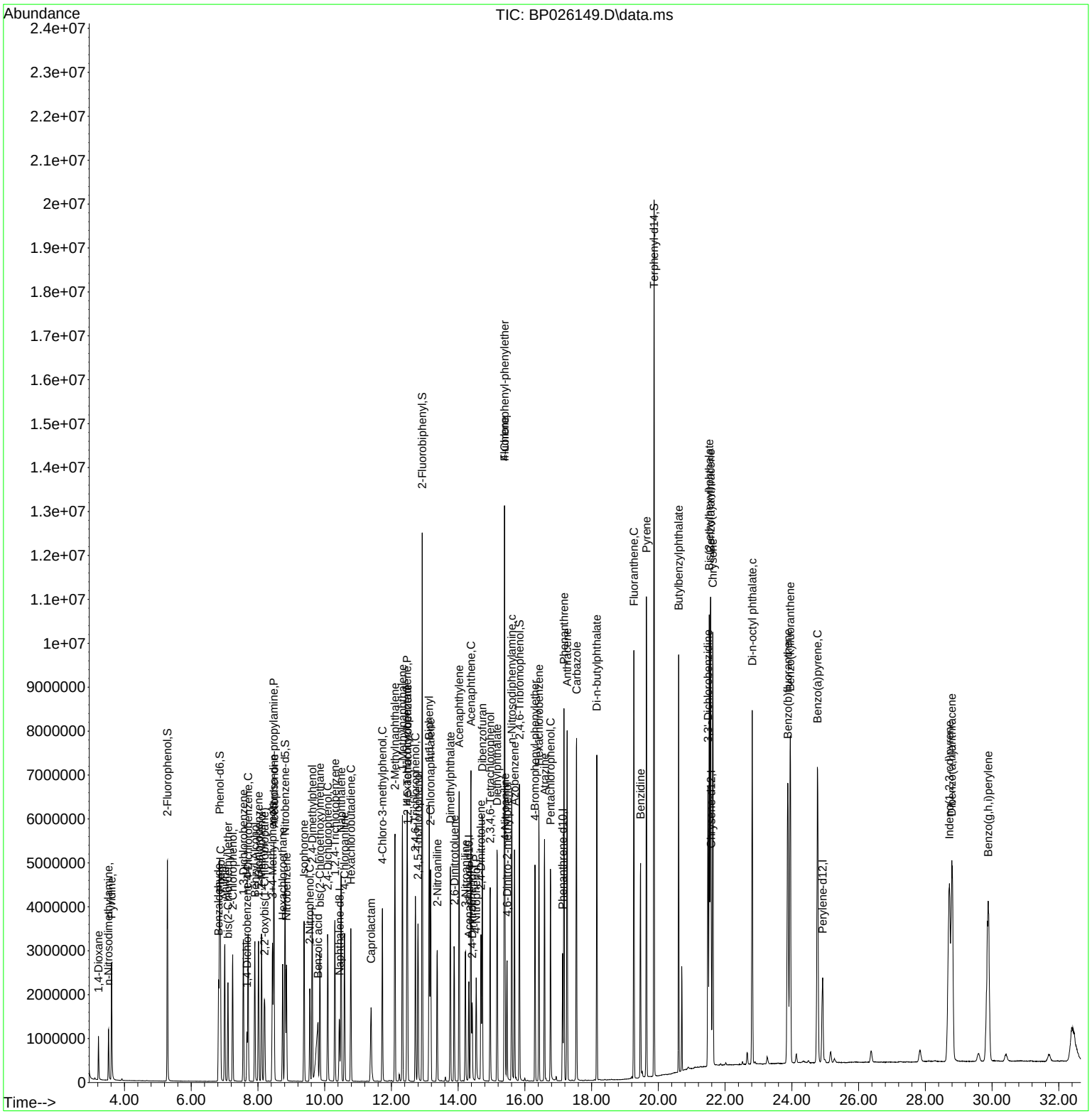
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026149.D
Acq On : 18 Nov 2025 20:00
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

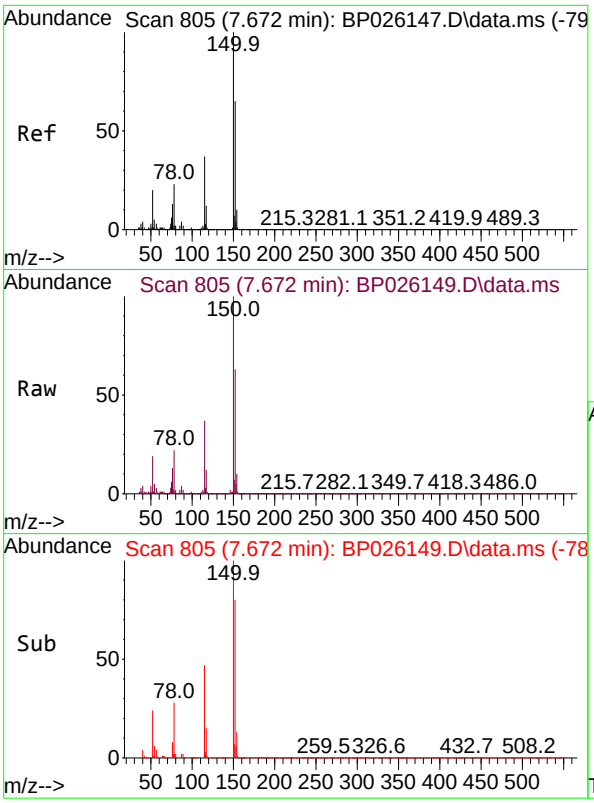
Quant Time: Nov 19 01:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

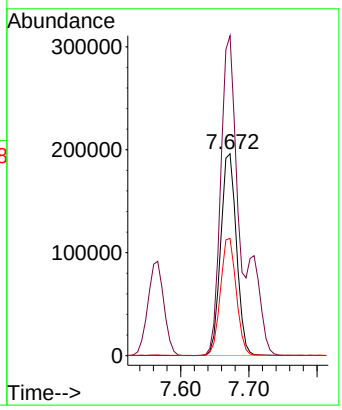




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:152 Resp: 31419

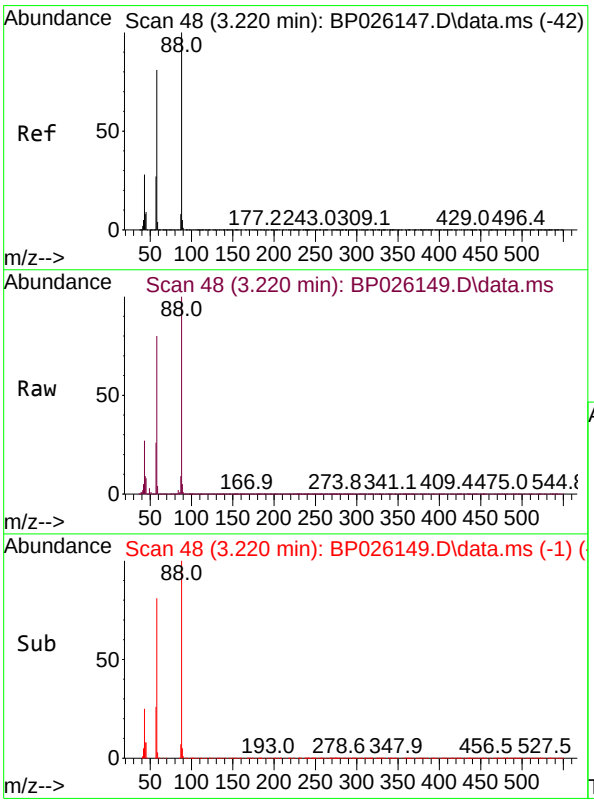
Ion	Ratio	Lower	Upper
152	100		
150	158.6	123.0	184.6
115	58.1	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

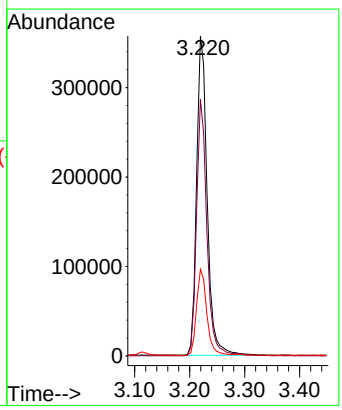
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

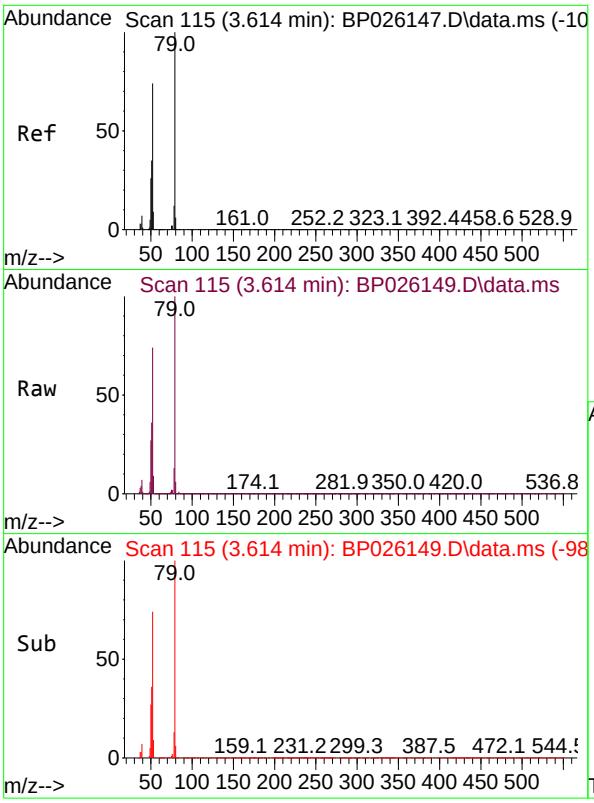


#2
1,4-Dioxane
Concen: 59.785 ng
RT: 3.220 min Scan# 48
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 88 Resp: 476245

Ion	Ratio	Lower	Upper
88	100		
58	79.0	64.2	96.4
43	26.7	21.5	32.3

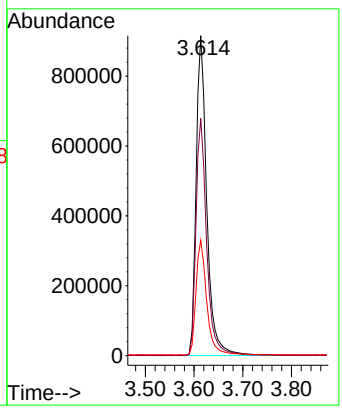




#3
Pyridine
Concen: 60.186 ng
RT: 3.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 79 Resp: 138210

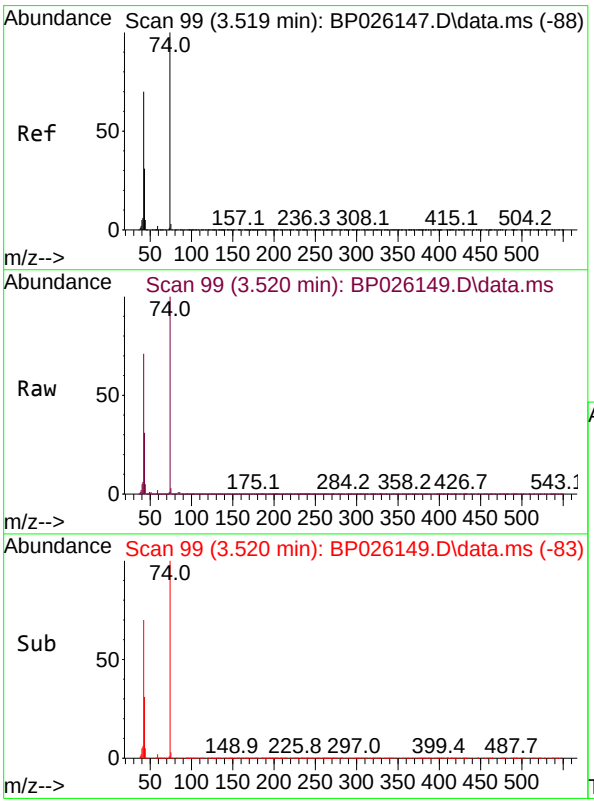
Ion	Ratio	Lower	Upper
79	100		
52	74.1	60.2	90.2
51	36.1	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

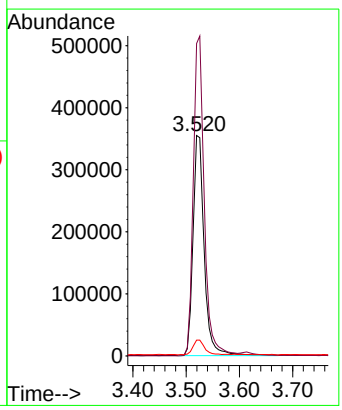
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

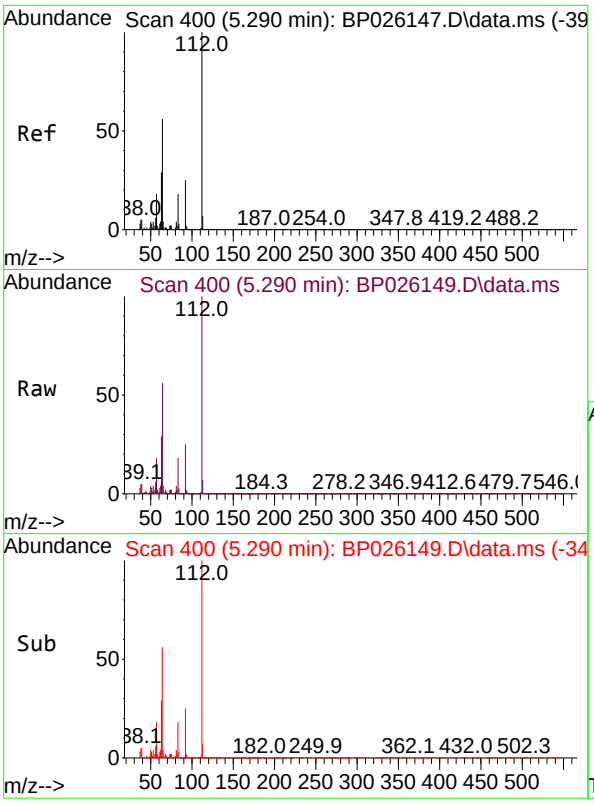


#4
n-Nitrosodimethylamine
Concen: 60.473 ng
RT: 3.520 min Scan# 99
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 42 Resp: 517563

Ion	Ratio	Lower	Upper
42	100		
74	141.8	118.1	177.1
44	7.2	6.2	9.4

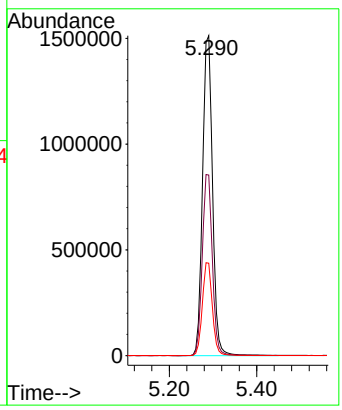




#5
2-Fluorophenol
Concen: 121.142 ng
RT: 5.290 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:112 Resp: 237204

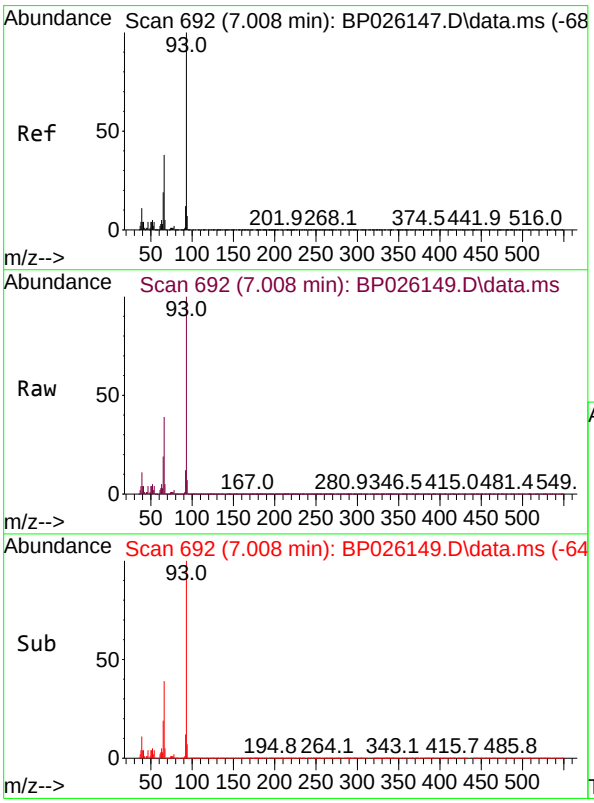
Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.8	68.6
63	28.9	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

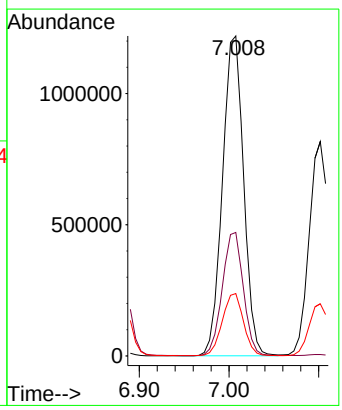
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

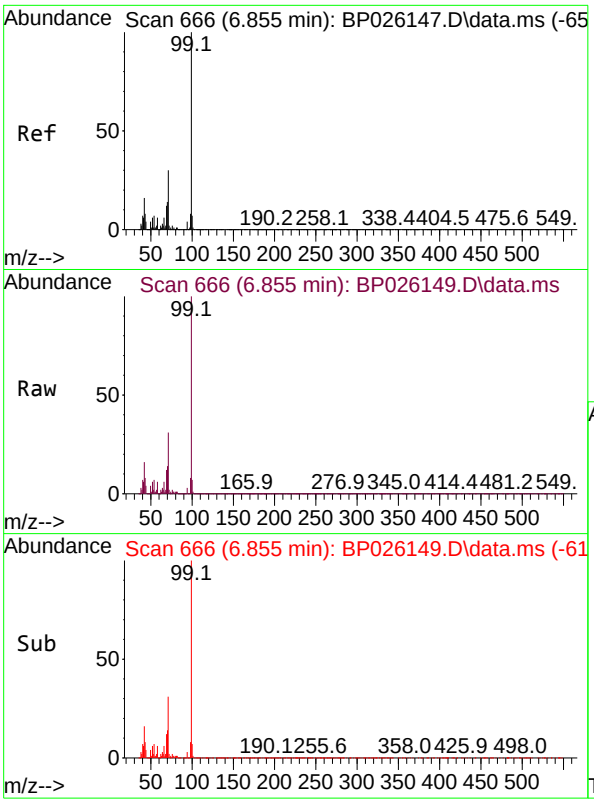


#6
Aniline
Concen: 60.994 ng
RT: 7.008 min Scan# 692
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 93 Resp: 2004653

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.7	47.5
65	19.5	15.8	23.6

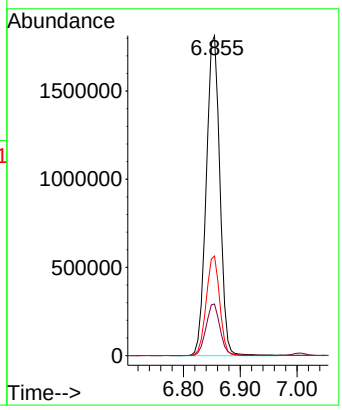




#7
Phenol-d6
Concen: 121.372 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 99 Resp: 3028199

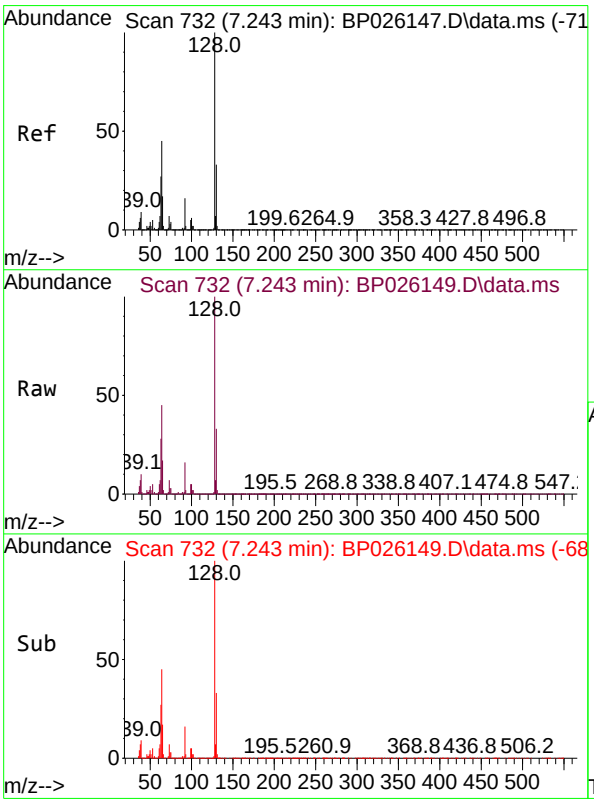
Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.9	19.3
71	31.1	24.8	37.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

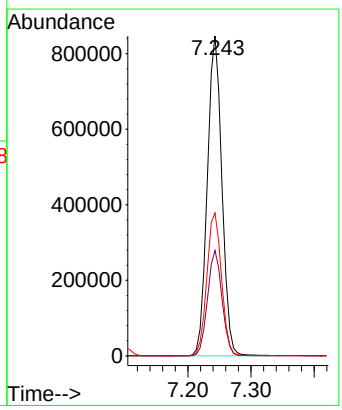
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

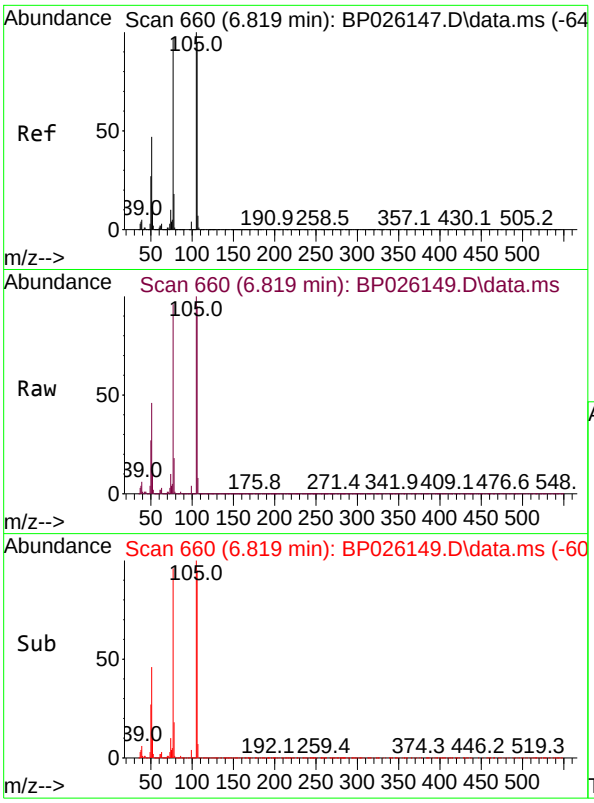


#8
2-Chlorophenol
Concen: 60.900 ng
RT: 7.243 min Scan# 732
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:128 Resp: 1356198

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.4	52.4
64	44.7	23.9	63.9

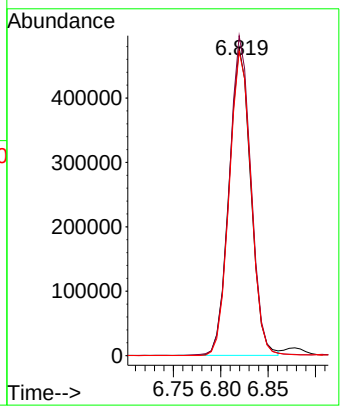




#9
Benzaldehyde
Concen: 71.224 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 77 Resp: 765301

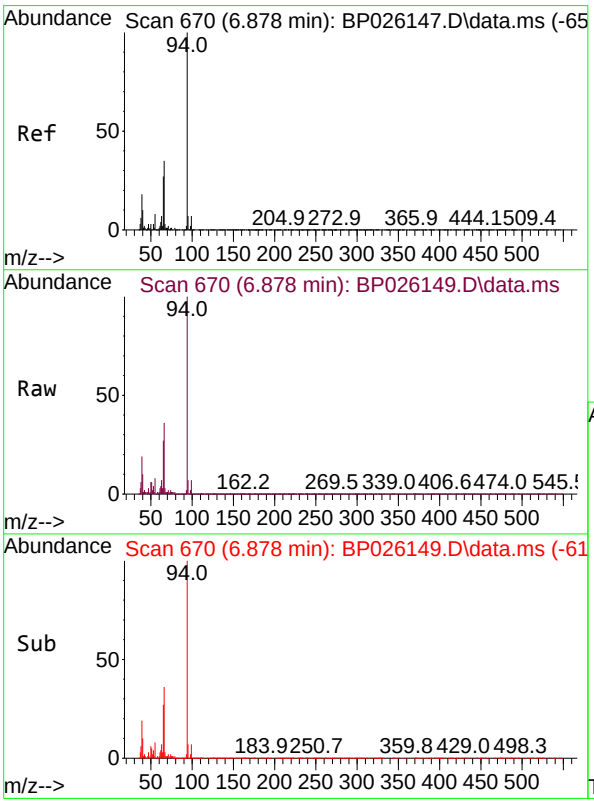
Ion	Ratio	Lower	Upper
77	100		
105	104.0	82.9	122.9
106	98.9	77.8	117.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

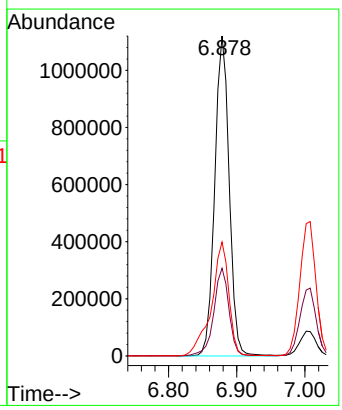
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

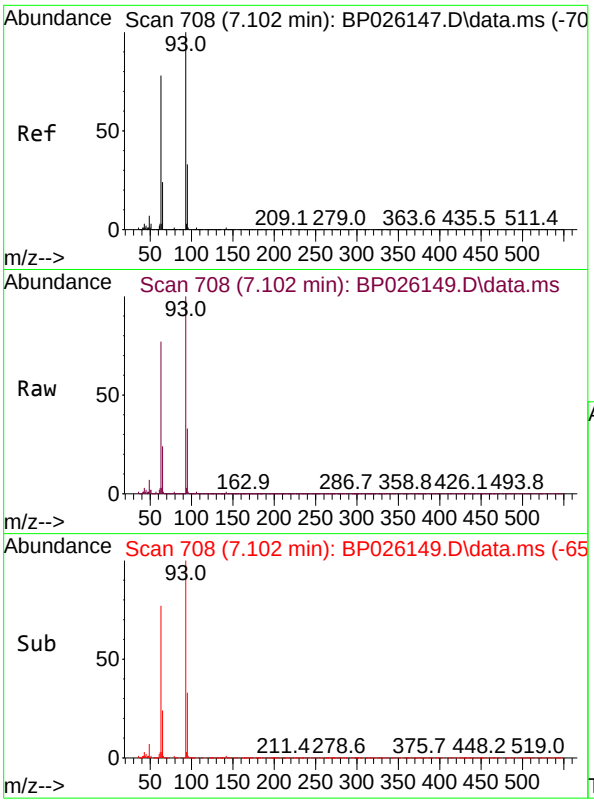


#10
Phenol
Concen: 61.164 ng
RT: 6.878 min Scan# 670
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 94 Resp: 1642143

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.0	47.0
66	35.6	14.5	54.5

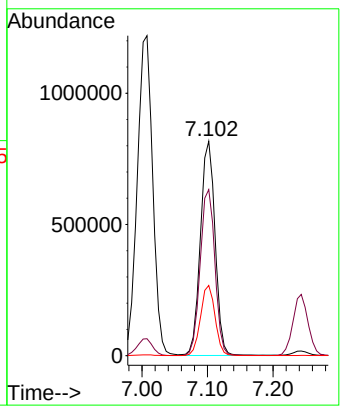




#11
bis(2-Chloroethyl)ether
Concen: 60.197 ng
RT: 7.102 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 93 Resp: 126112

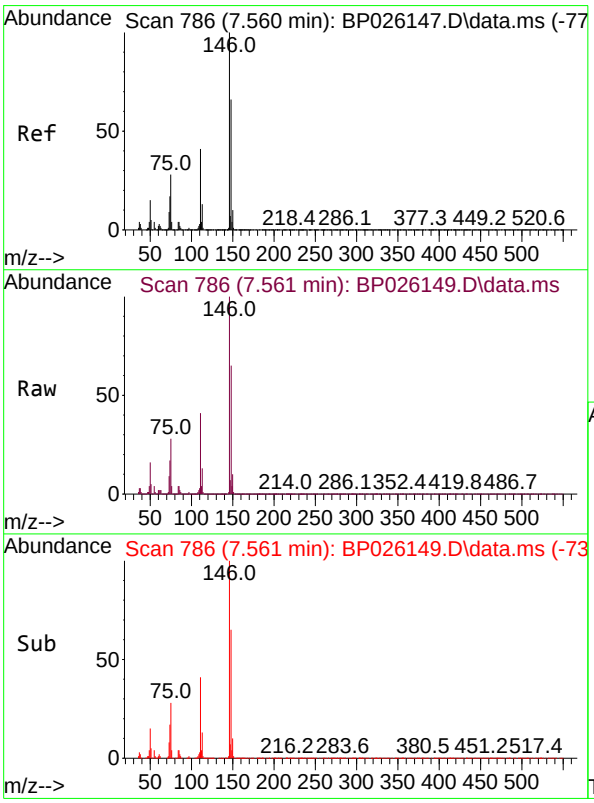
Ion	Ratio	Lower	Upper
93	100		
63	77.5	58.8	98.8
95	32.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

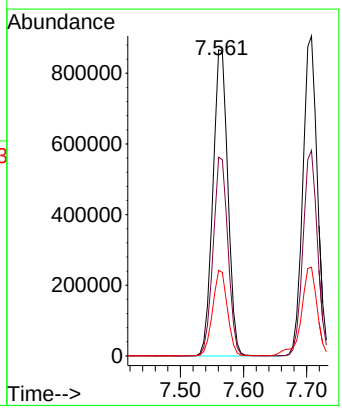
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

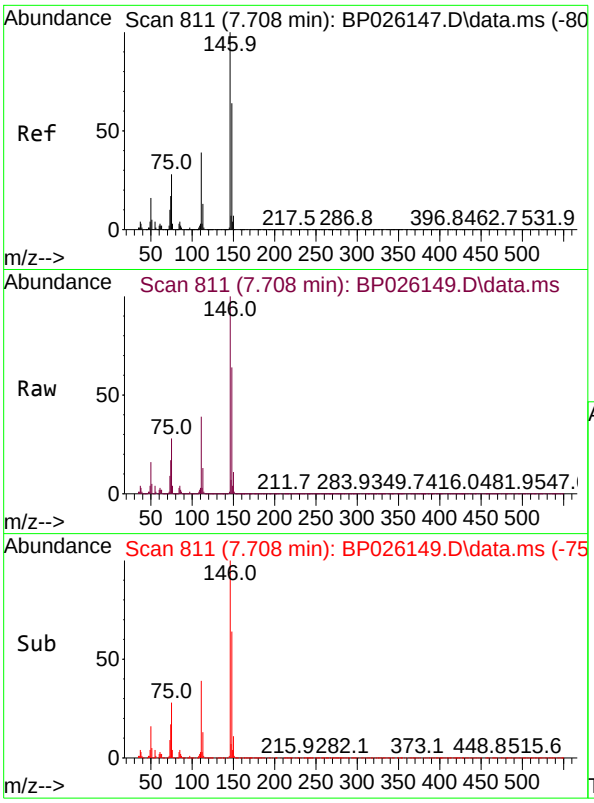


#12
1,3-Dichlorobenzene
Concen: 59.655 ng
RT: 7.561 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:146 Resp: 1430521

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
75	28.0	22.2	33.2





#13
1,4-Dichlorobenzene
Concen: 59.788 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

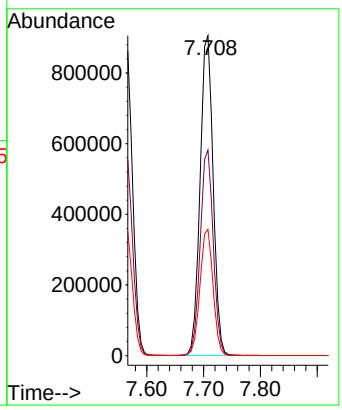
Tgt Ion:146 Resp: 144382

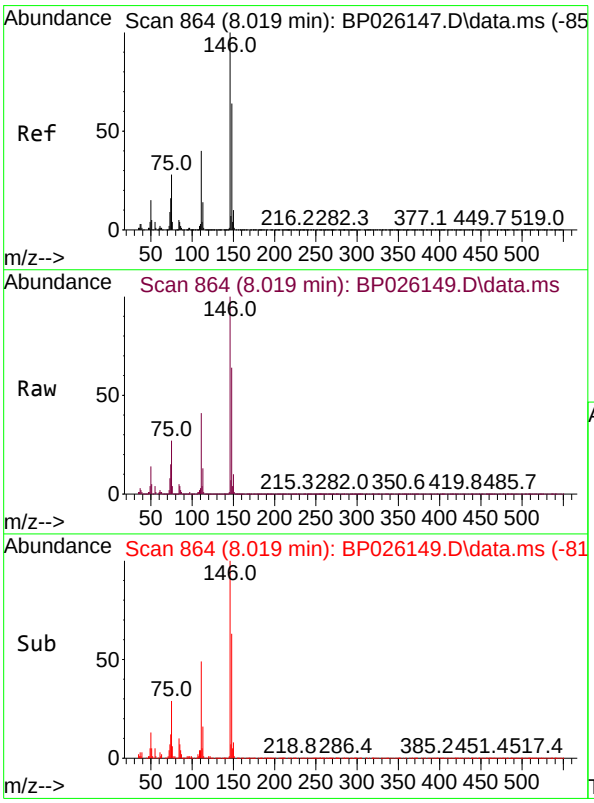
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	39.4	31.7	47.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

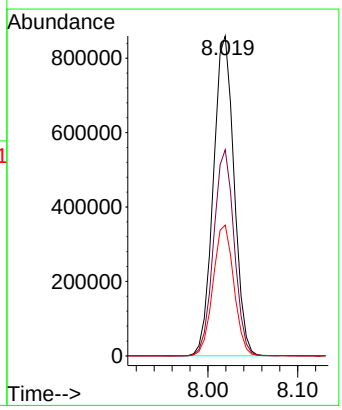


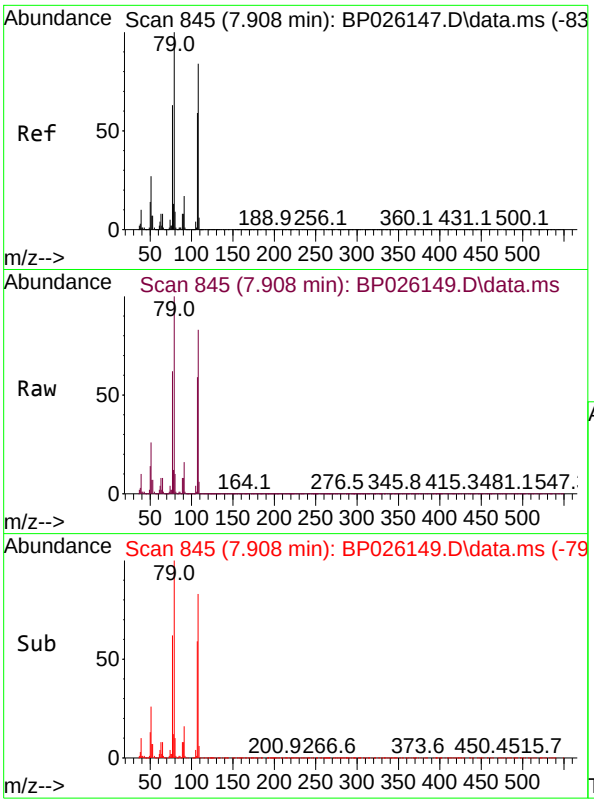


#14
1,2-Dichlorobenzene
Concen: 59.657 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:146 Resp: 1385870

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	40.9	33.0	49.4





#15
Benzyl Alcohol
Concen: 60.077 ng
RT: 7.908 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

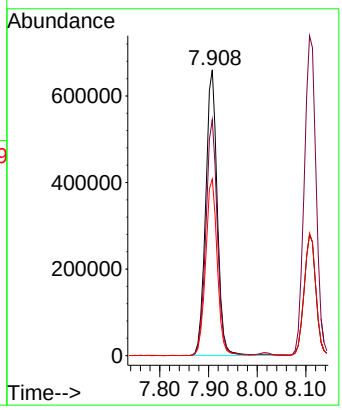
Tgt Ion: 79 Resp: 109674

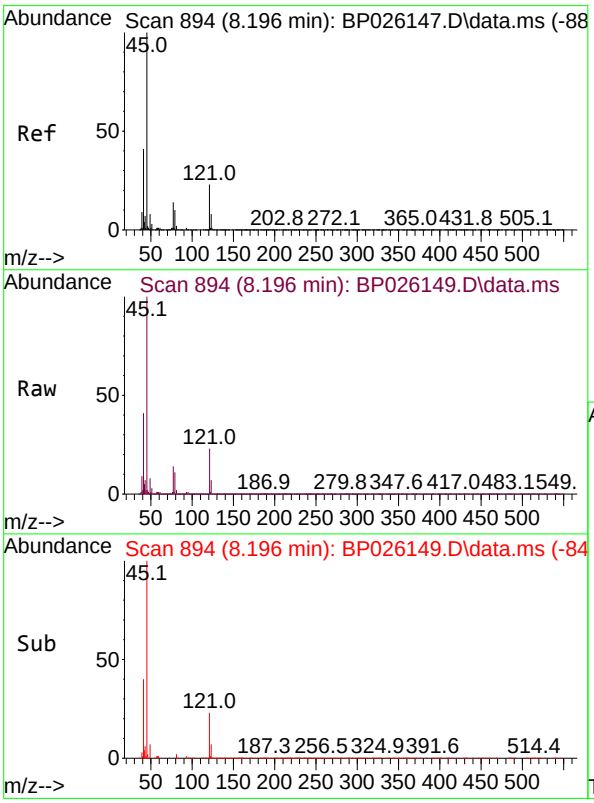
Ion	Ratio	Lower	Upper
79	100		
108	82.6	66.2	99.4
77	61.8	50.0	75.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

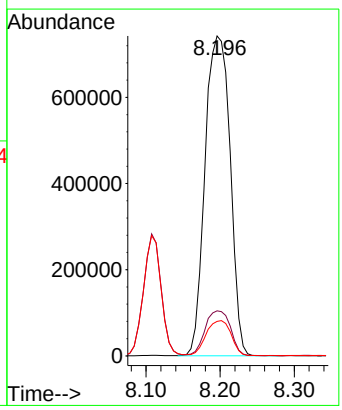


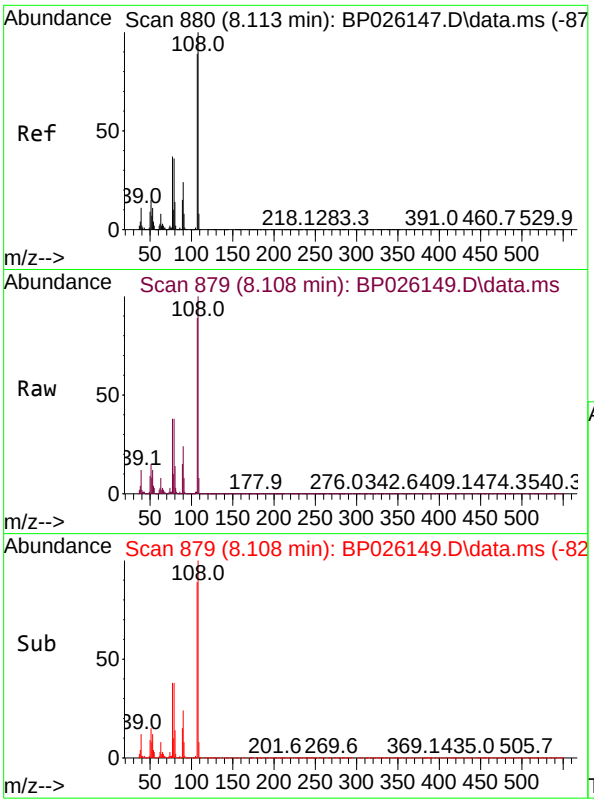


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.925 ng
RT: 8.196 min Scan# 894
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 45 Resp: 1745357

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.9
79	10.8	0.0	30.4

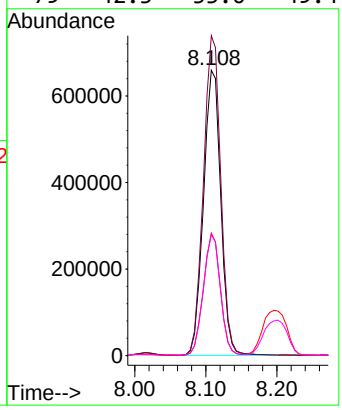




#17
2-Methylphenol
Concen: 60.841 ng
RT: 8.108 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:107 Resp: 111250

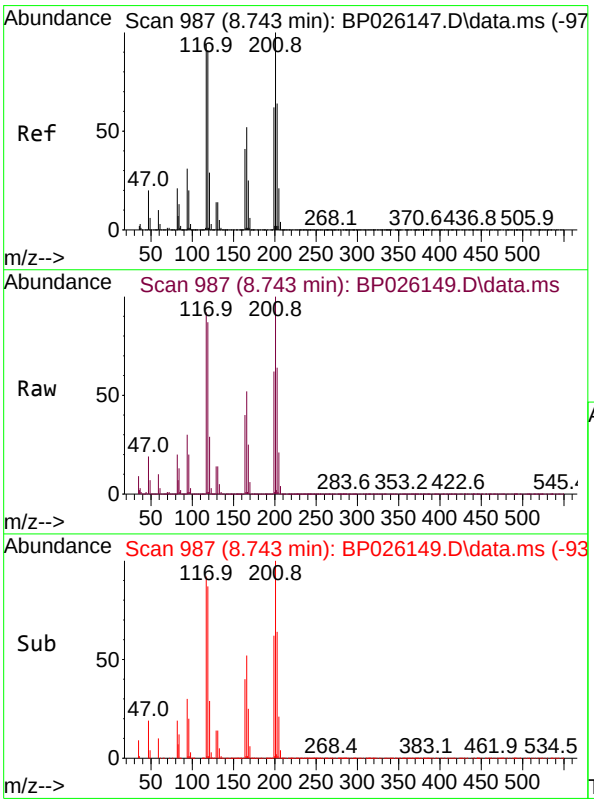
Ion	Ratio	Lower	Upper
107	100		
108	112.1	89.7	134.5
77	42.9	33.9	50.9
79	42.3	33.0	49.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

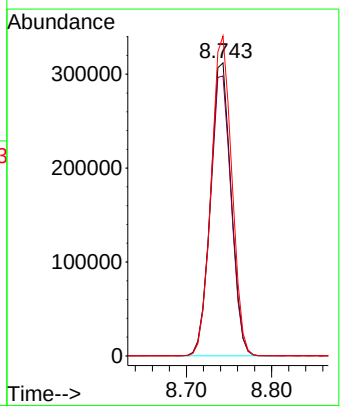
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

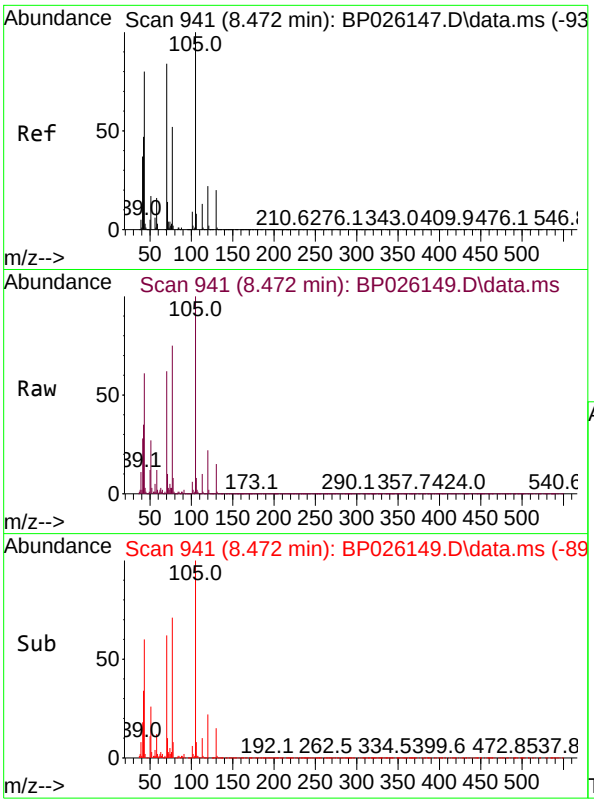


#18
Hexachloroethane
Concen: 59.675 ng
RT: 8.743 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:117 Resp: 525228

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.7	118.1
201	109.2	85.1	127.7

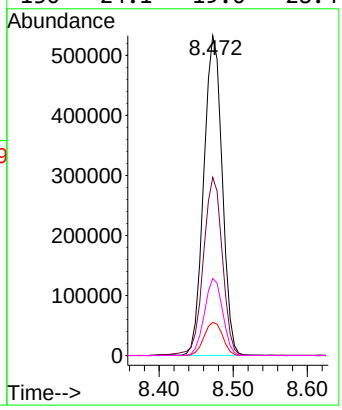




#19
n-Nitroso-di-n-propylamine
Concen: 59.177 ng
RT: 8.472 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 70 Resp: 91943

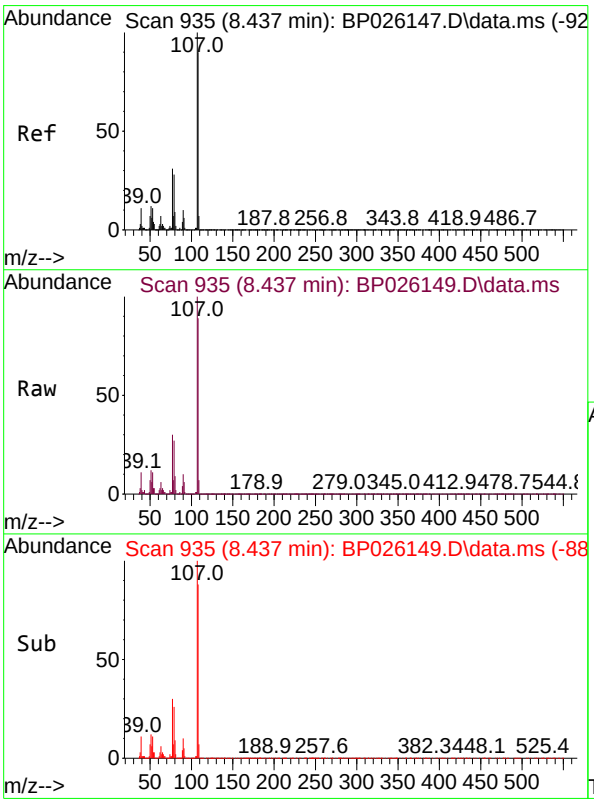
Ion	Ratio	Lower	Upper
70	100		
42	55.7	44.1	66.1
101	10.4	8.2	12.4
130	24.1	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

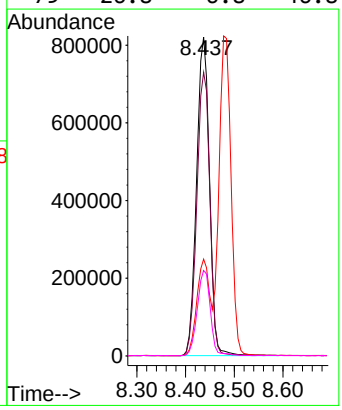
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

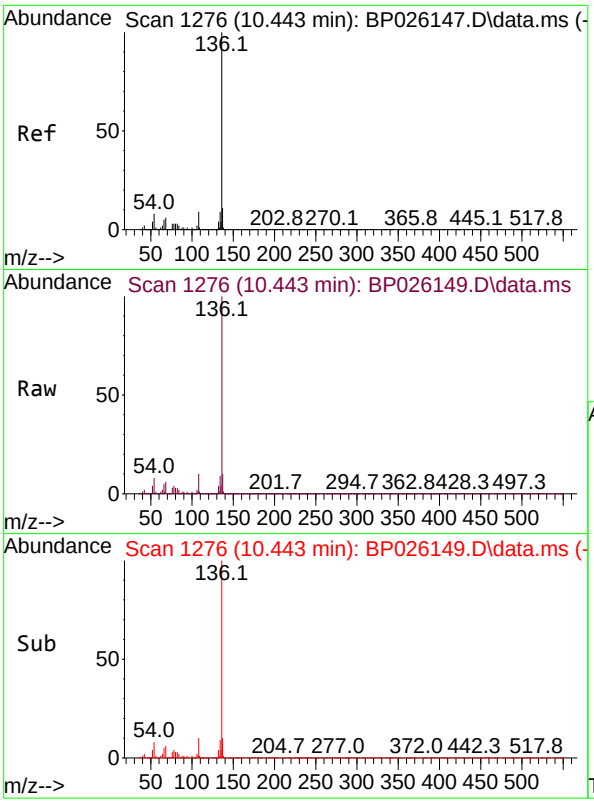


#20
3+4-Methylphenols
Concen: 59.338 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:107 Resp: 1508814

Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.9	108.9
77	30.4	10.4	50.4
79	26.8	6.8	46.8

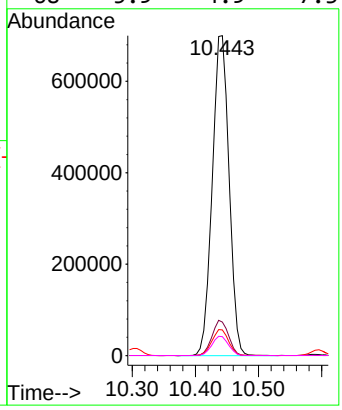




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:136 Resp: 129304

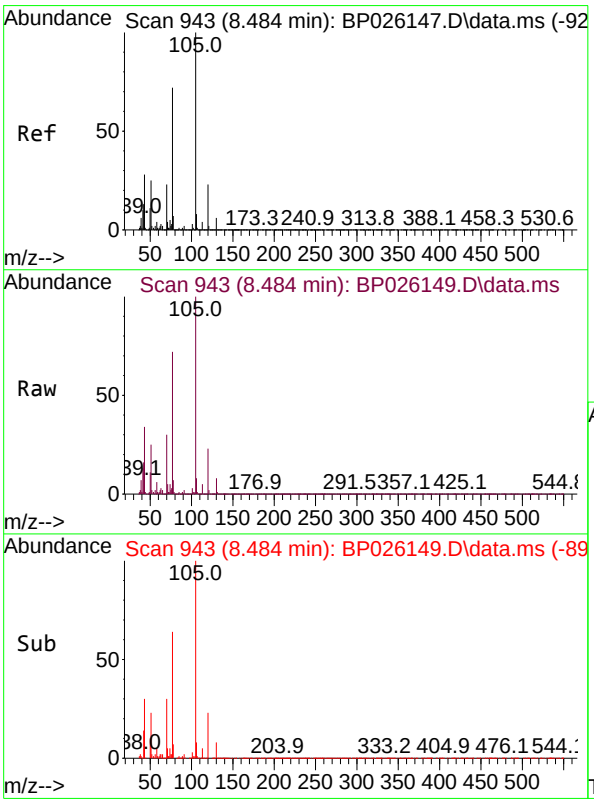
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	8.0	6.4	9.6
68	5.9	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

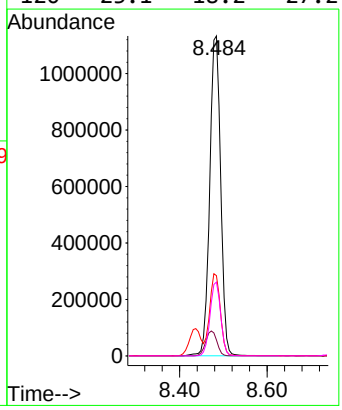
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

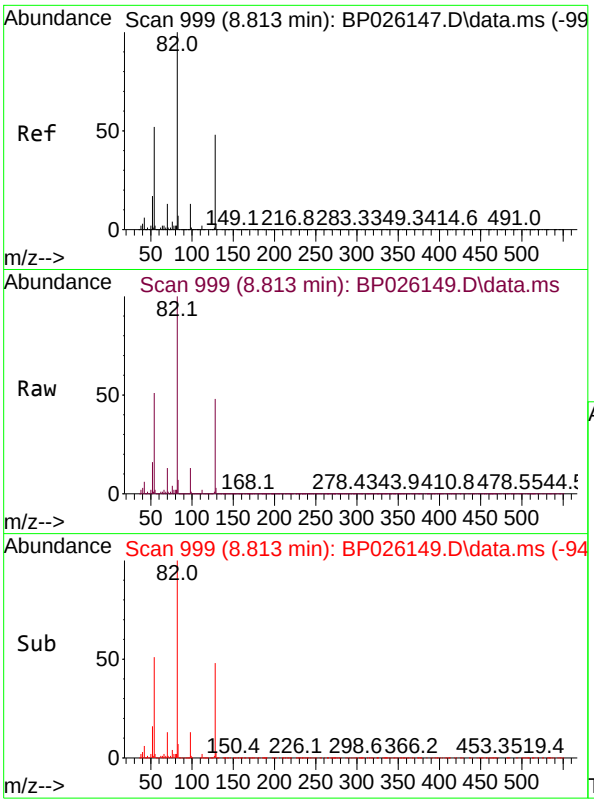


#22
Acetophenone
Concen: 59.787 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:105 Resp: 1966749

Ion	Ratio	Lower	Upper
105	100		
71	5.0	3.0	4.4#
51	25.1	20.5	30.7
120	23.1	18.2	27.2

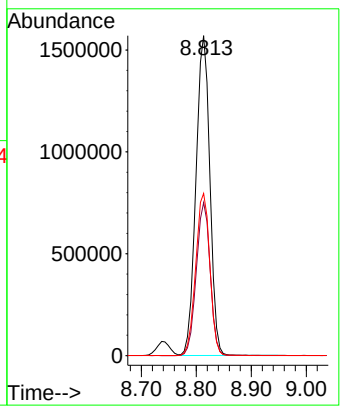




#23
Nitrobenzene-d5
Concen: 120.813 ng
RT: 8.813 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 82 Resp: 275453

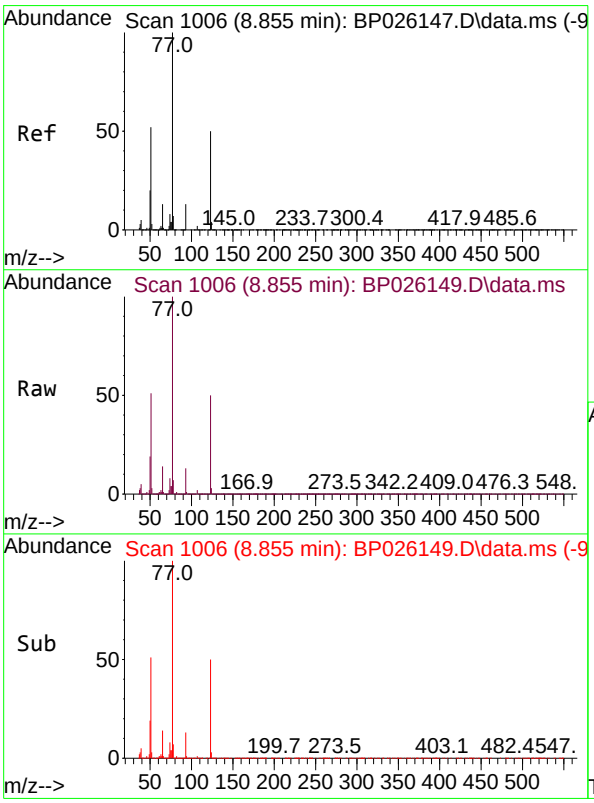
Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.4	56.0
54	50.7	41.6	62.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

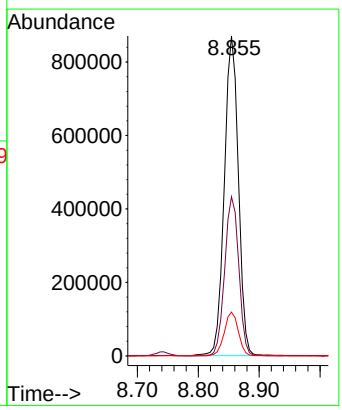
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

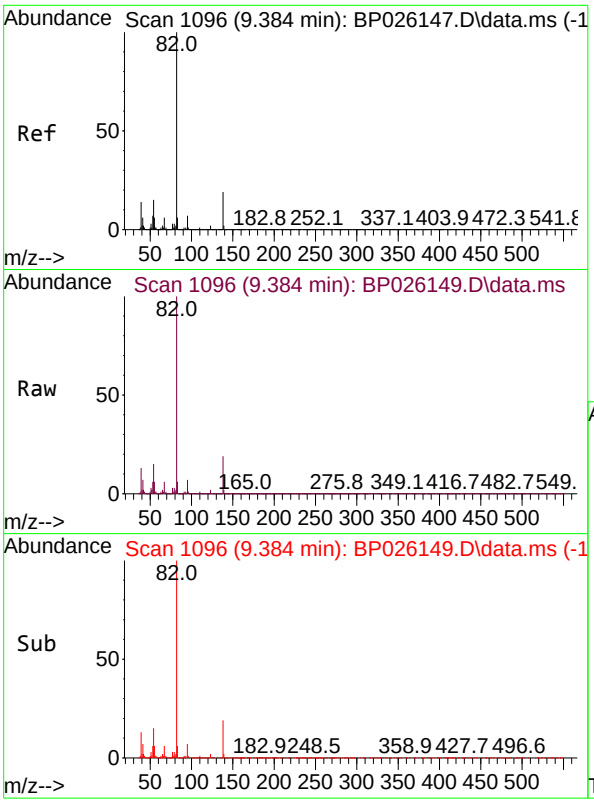


#24
Nitrobenzene
Concen: 60.453 ng
RT: 8.855 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 77 Resp: 1394959

Ion	Ratio	Lower	Upper
77	100		
123	49.7	39.8	59.8
65	13.7	11.2	16.8

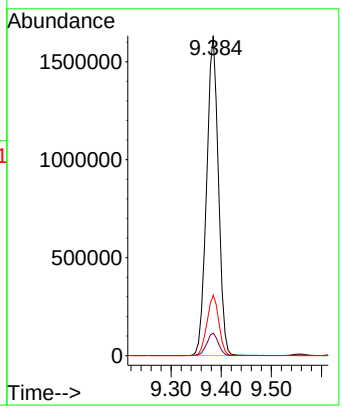




#25
Isophorone
Concen: 58.787 ng
RT: 9.384 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 82 Resp: 266127

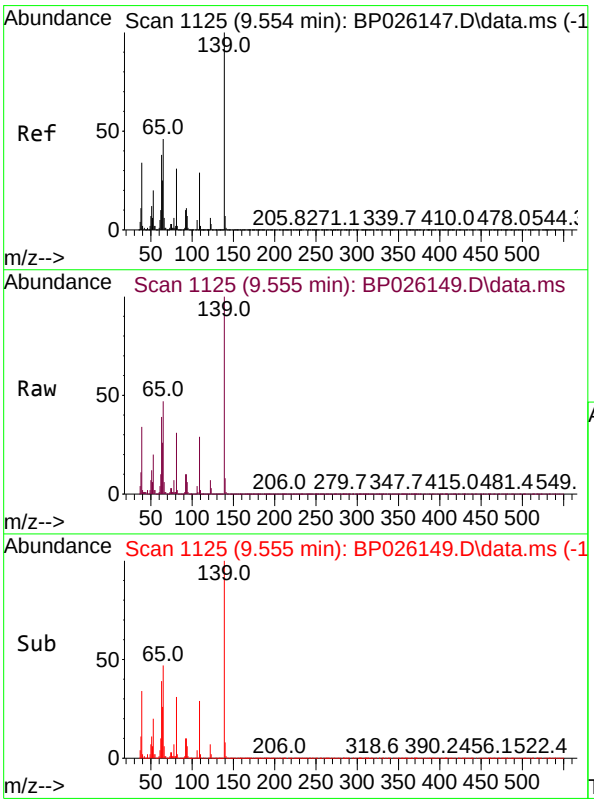
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	18.9	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

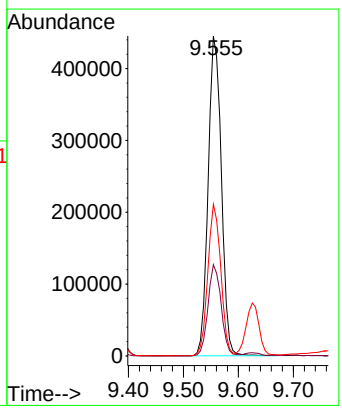
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

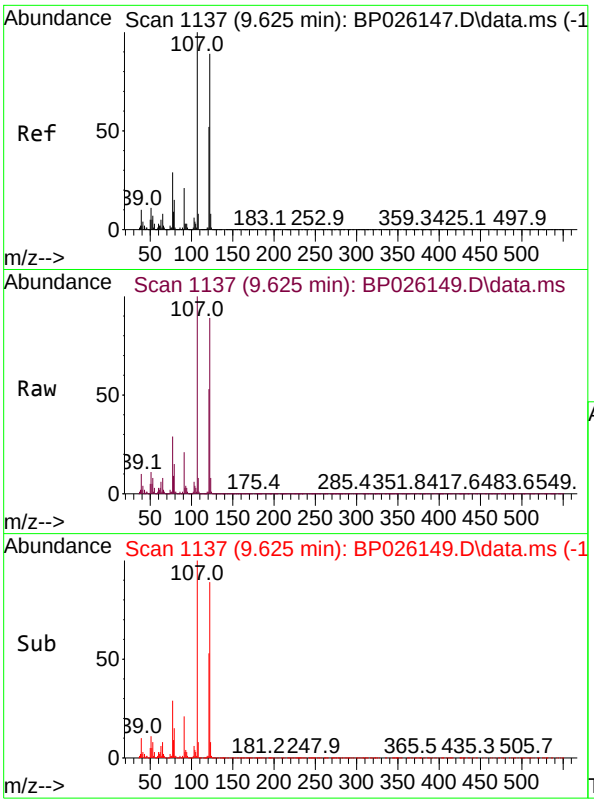


#26
2-Nitrophenol
Concen: 64.005 ng
RT: 9.555 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:139 Resp: 744625

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.3	33.5
65	47.4	37.2	55.8





#27
2,4-Dimethylphenol
Concen: 60.144 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

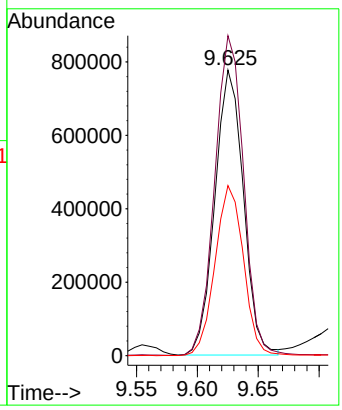
Tgt Ion:122 Resp: 126762

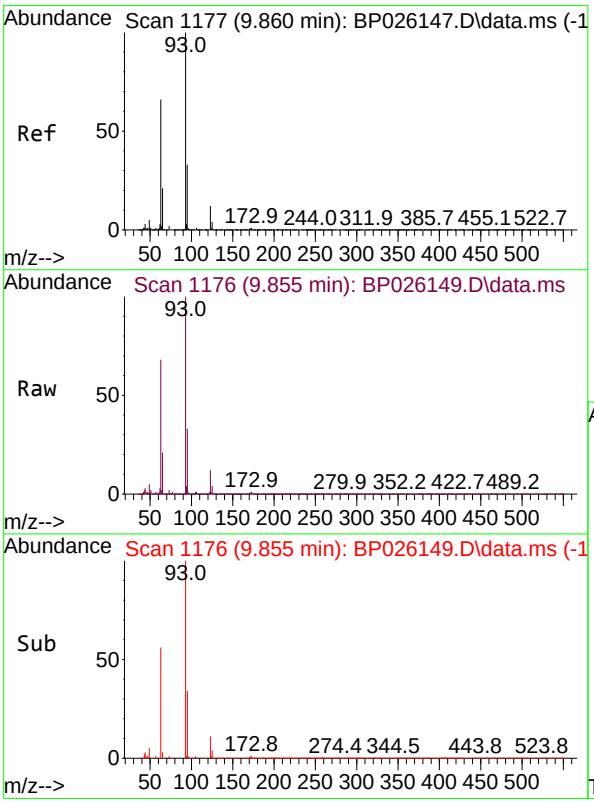
Ion	Ratio	Lower	Upper
122	100		
107	112.1	91.0	136.6
121	59.5	47.0	70.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

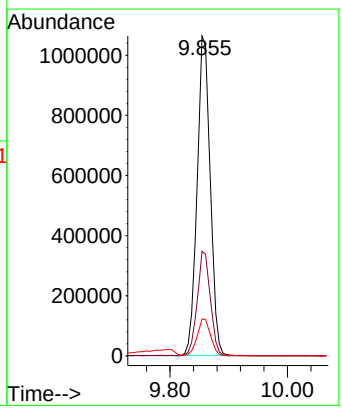


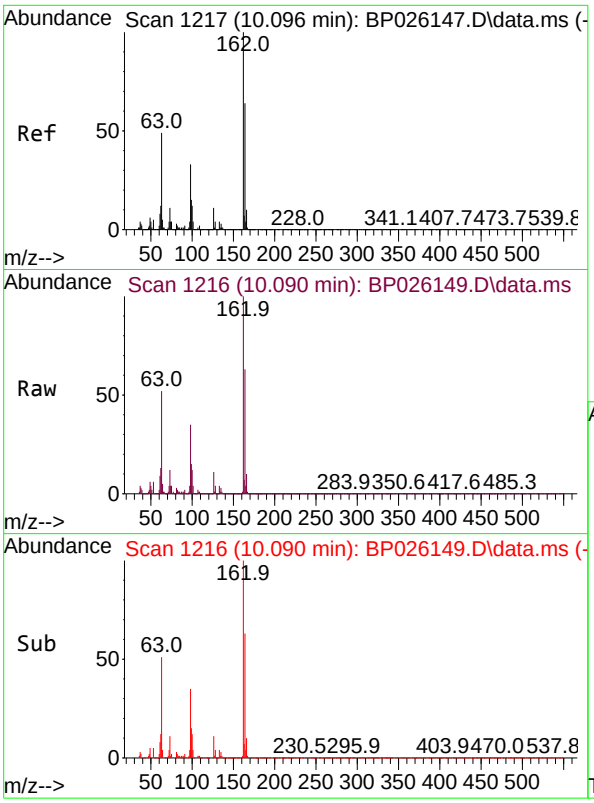


#28
bis(2-Chloroethoxy)methane
Concen: 58.243 ng
RT: 9.855 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 93 Resp: 1650883

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	11.5	9.4	14.0

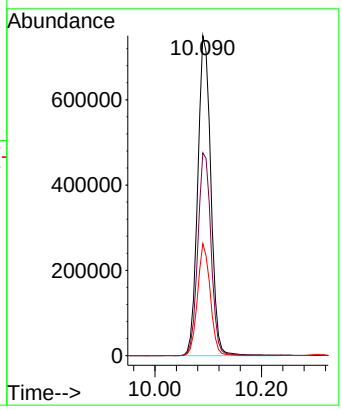




#29
2,4-Dichlorophenol
Concen: 60.911 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:162 Resp: 127905

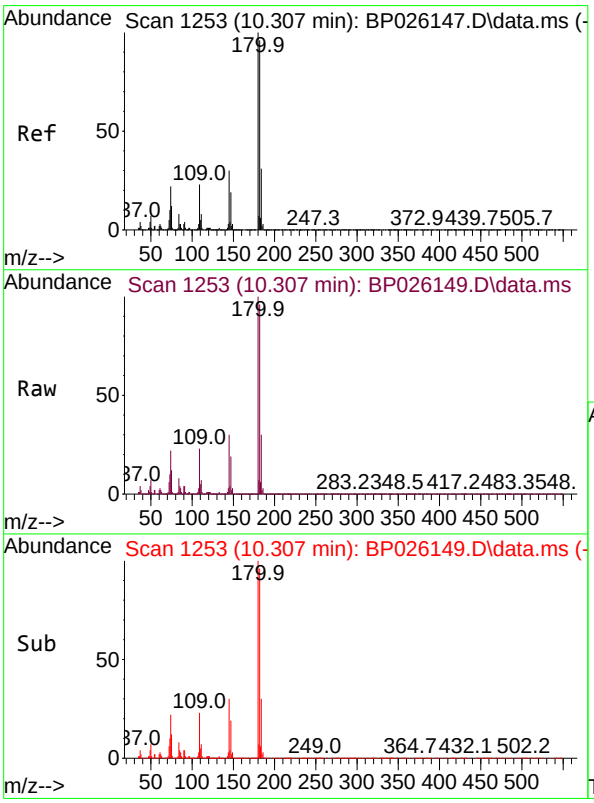
Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.8	83.8
98	35.0	14.1	54.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

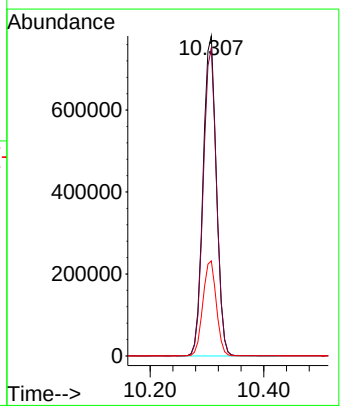
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

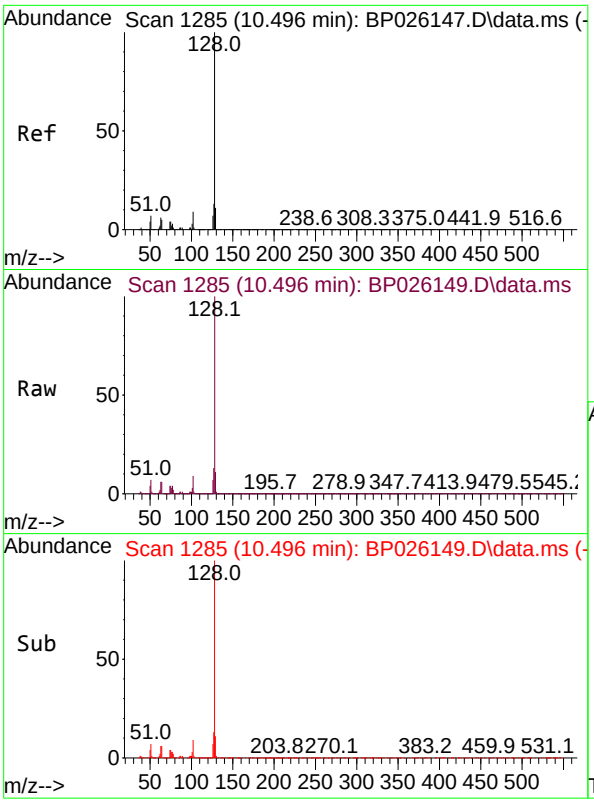


#30
1,2,4-Trichlorobenzene
Concen: 59.435 ng
RT: 10.307 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:180 Resp: 1271878

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.1	117.1
145	29.7	24.2	36.4

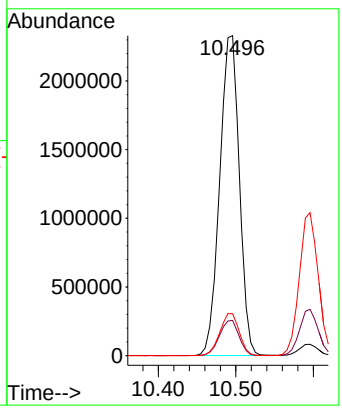




#31
Naphthalene
Concen: 58.487 ng
RT: 10.496 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:128 Resp: 410644

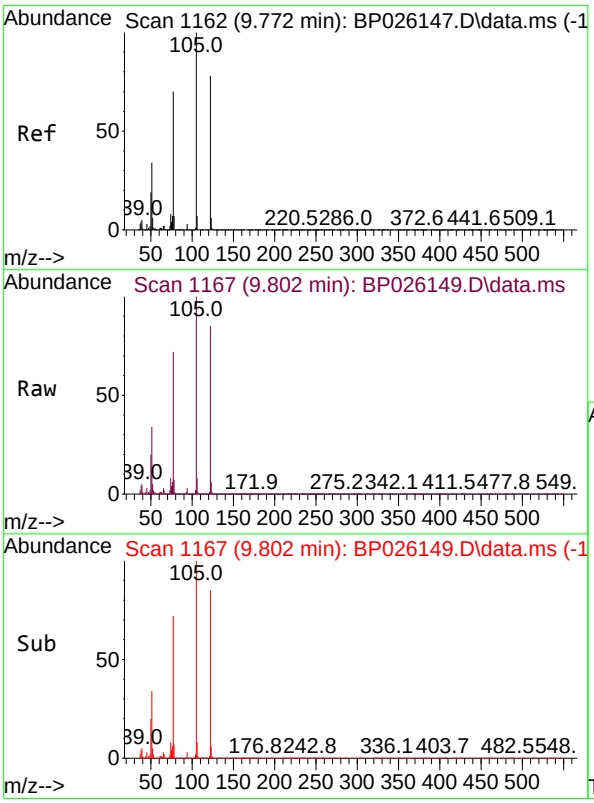
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

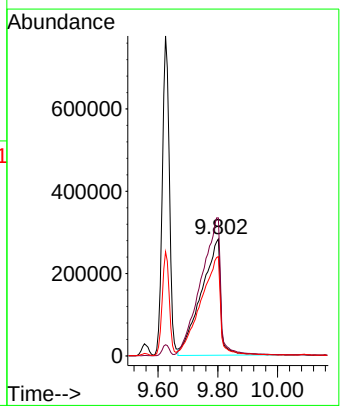
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

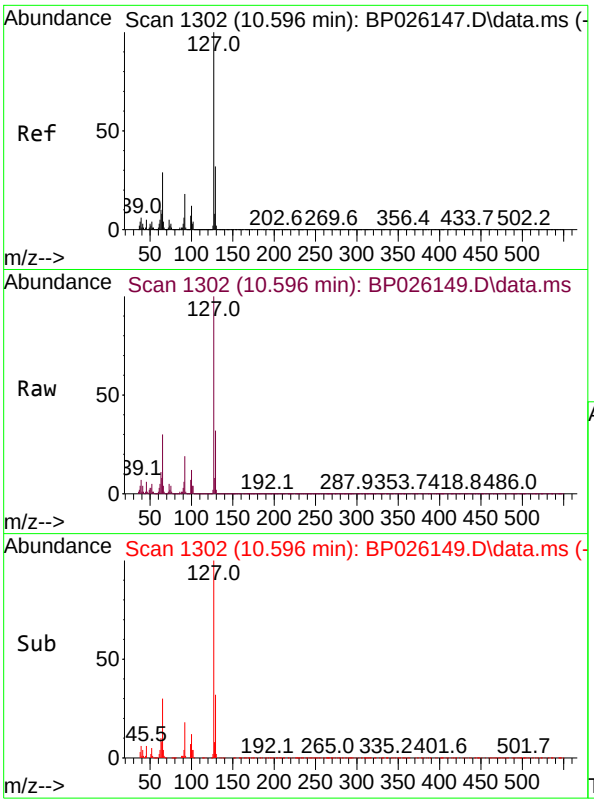


#32
Benzoic acid
Concen: 75.148 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.036 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:122 Resp: 1274317

Ion	Ratio	Lower	Upper
122	100		
105	118.1	100.1	140.1
77	84.9	66.7	106.7

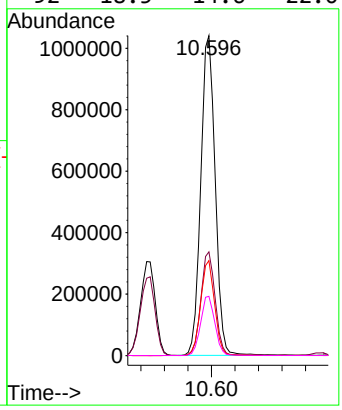




#33
4-Chloroaniline
Concen: 59.551 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:127 Resp: 177480

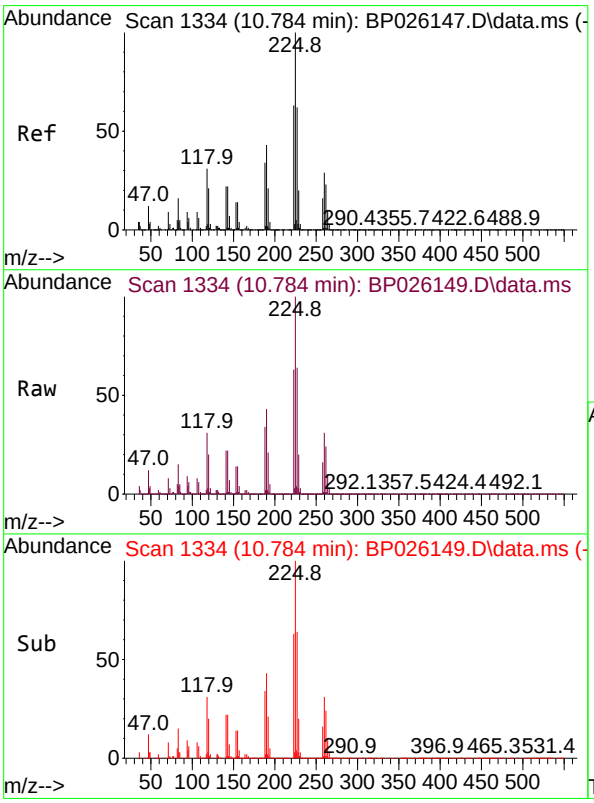
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	29.7	22.7	34.1
92	18.5	14.6	22.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

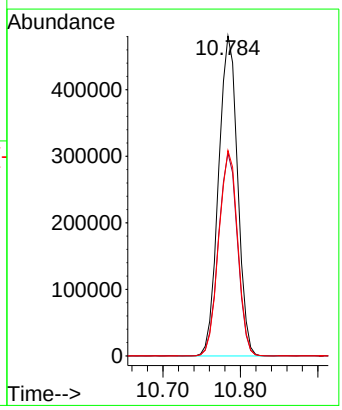
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

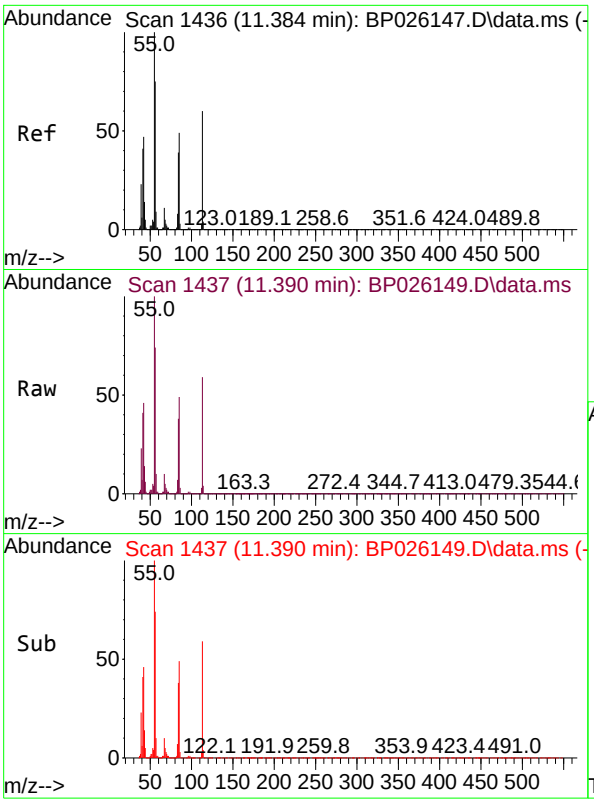


#34
Hexachlorobutadiene
Concen: 58.957 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:225 Resp: 820866

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.6	74.4
227	64.2	51.2	76.8





#35
Caprolactam
Concen: 58.493 ng
RT: 11.390 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

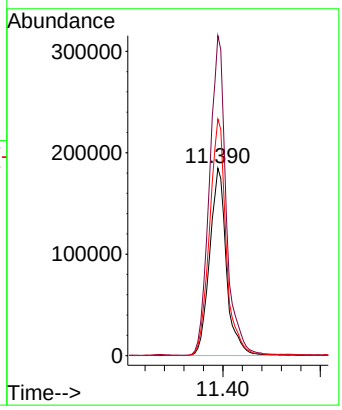
Tgt Ion:113 Resp: 44230

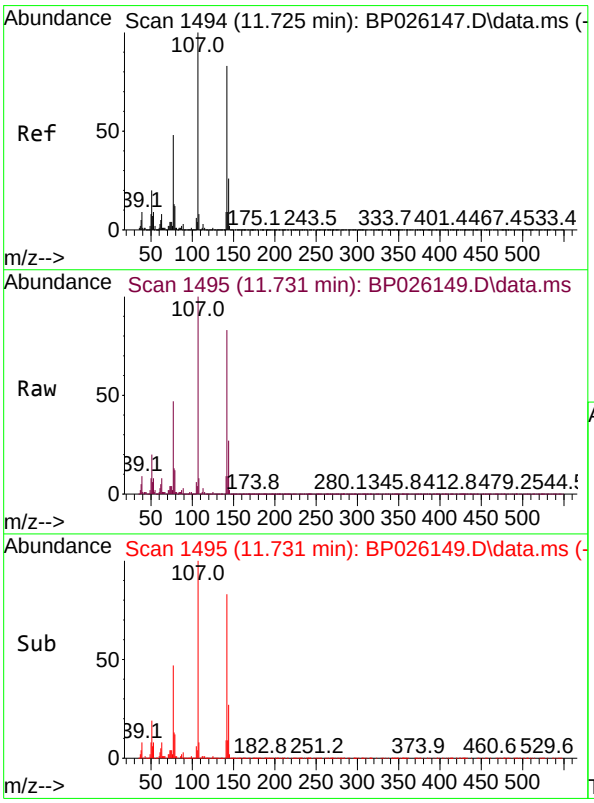
Ion	Ratio	Lower	Upper
113	100		
55	170.8	153.0	193.0
56	126.2	106.4	146.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

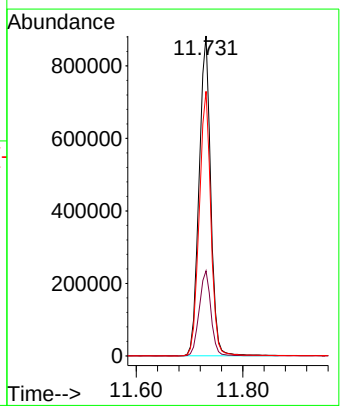


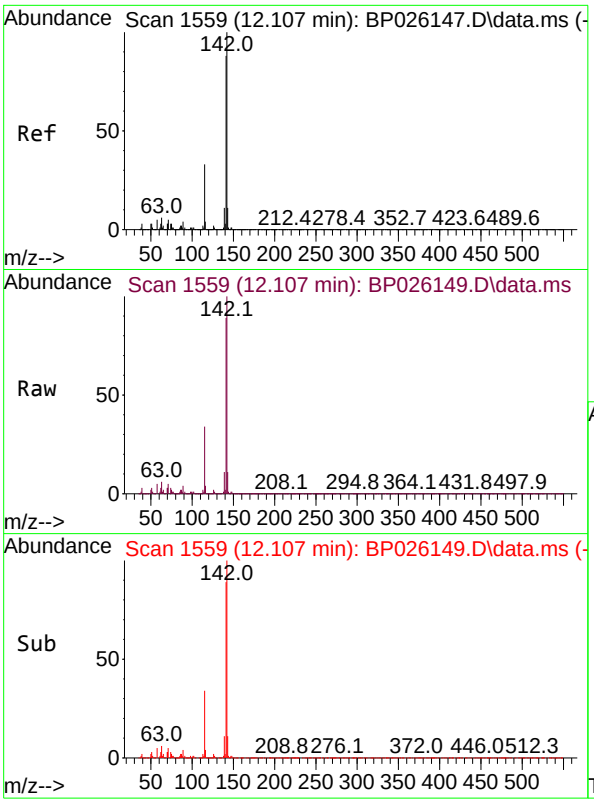


#36
4-Chloro-3-methylphenol
Concen: 59.672 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:107 Resp: 1333194

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.6	32.4
142	82.7	65.6	98.4

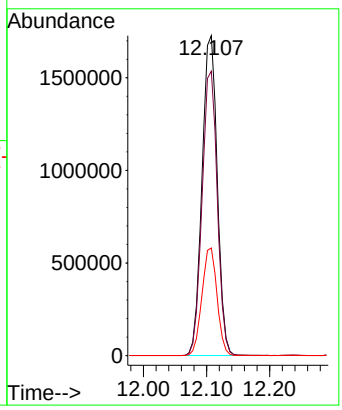




#37
2-Methylnaphthalene
Concen: 58.205 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:142 Resp: 289257

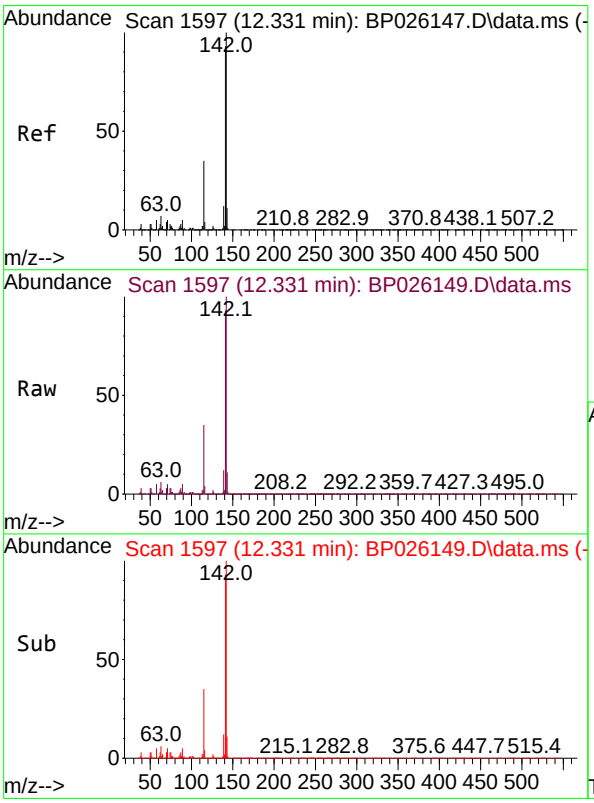
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	33.6	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

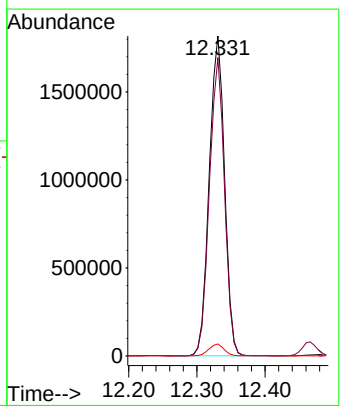
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

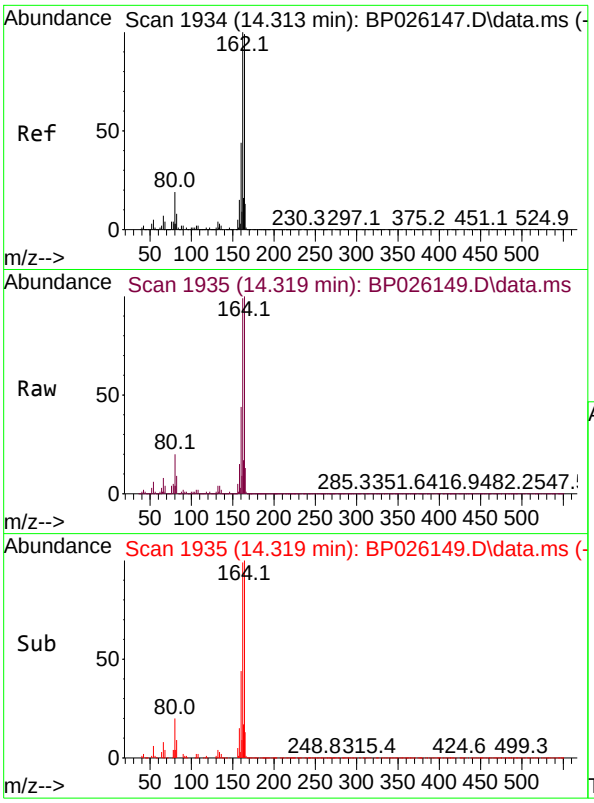


#38
1-Methylnaphthalene
Concen: 58.118 ng
RT: 12.331 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:142 Resp: 2826038

Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.5	110.3
116	3.7	3.0	4.4

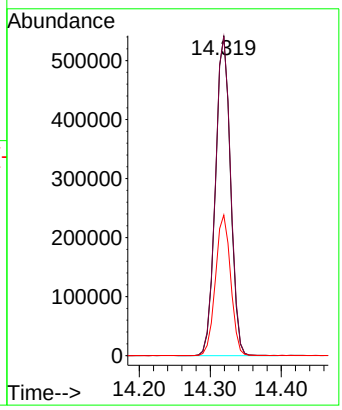




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:164 Resp: 79680

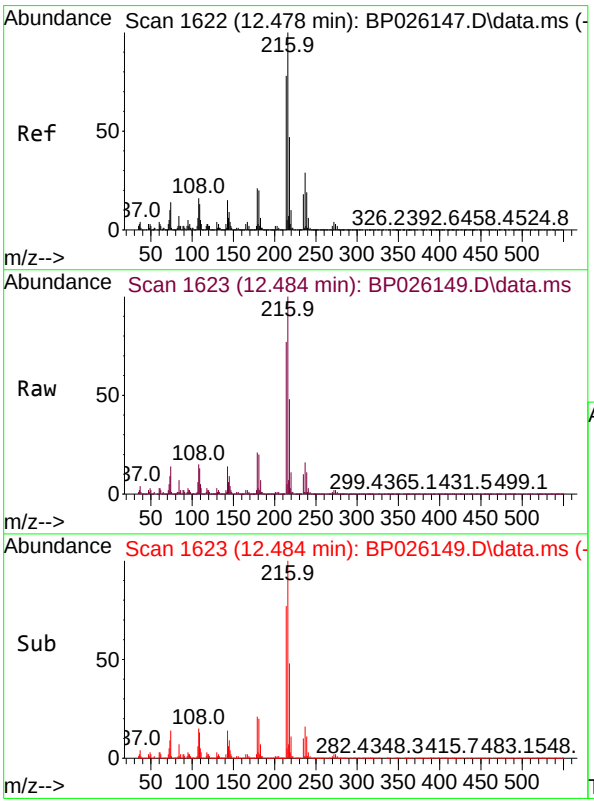
Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.3	120.5
160	43.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

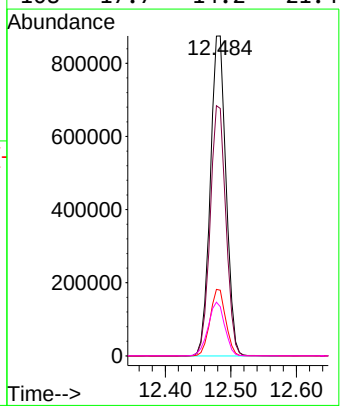
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

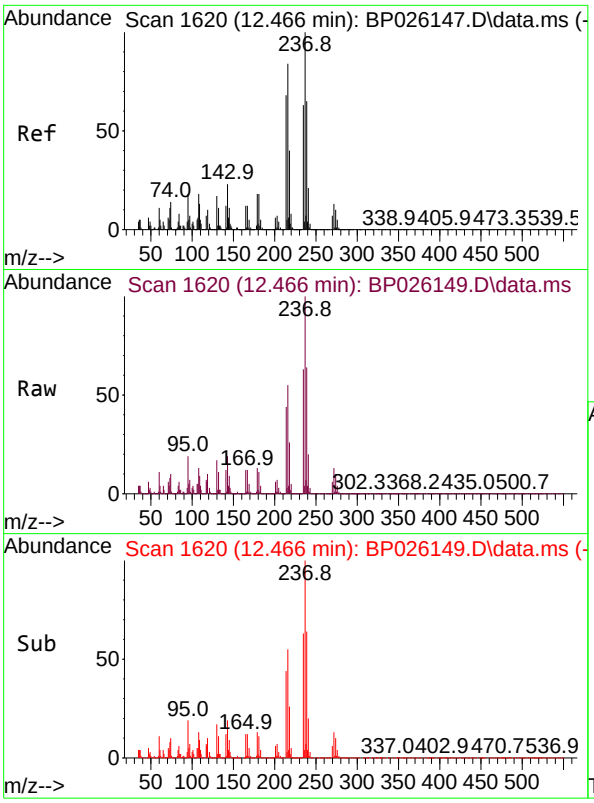


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.722 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:216 Resp: 1458024

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.7	16.6	25.0
108	17.7	14.2	21.4

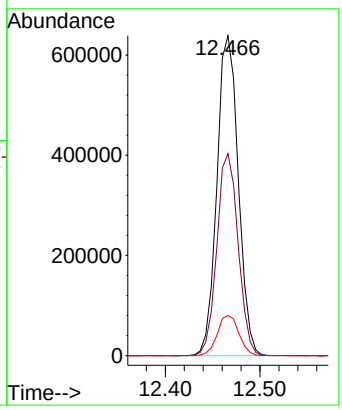




#41
Hexachlorocyclopentadiene
Concen: 63.796 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:237 Resp: 99982

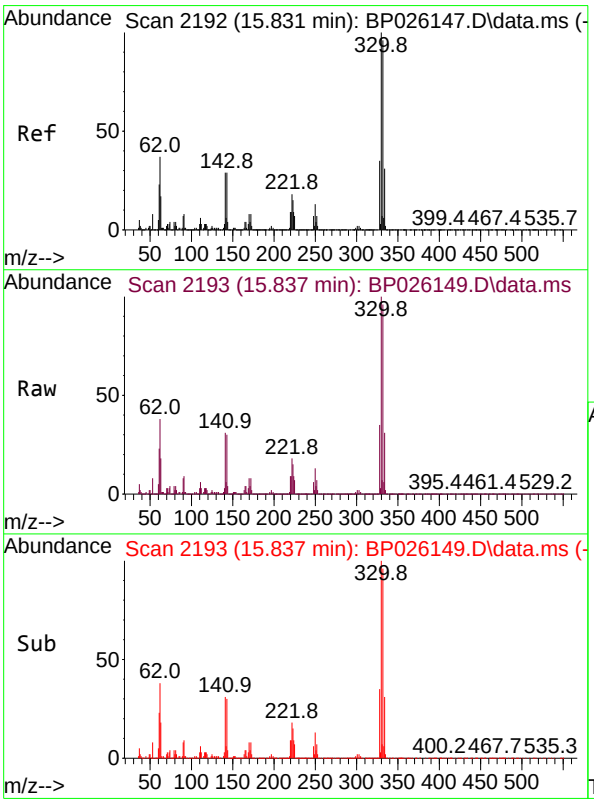
Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.3	83.3
272	12.6	0.0	32.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

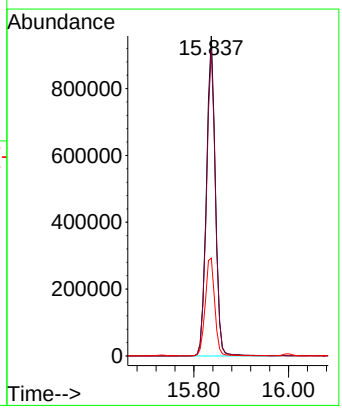
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

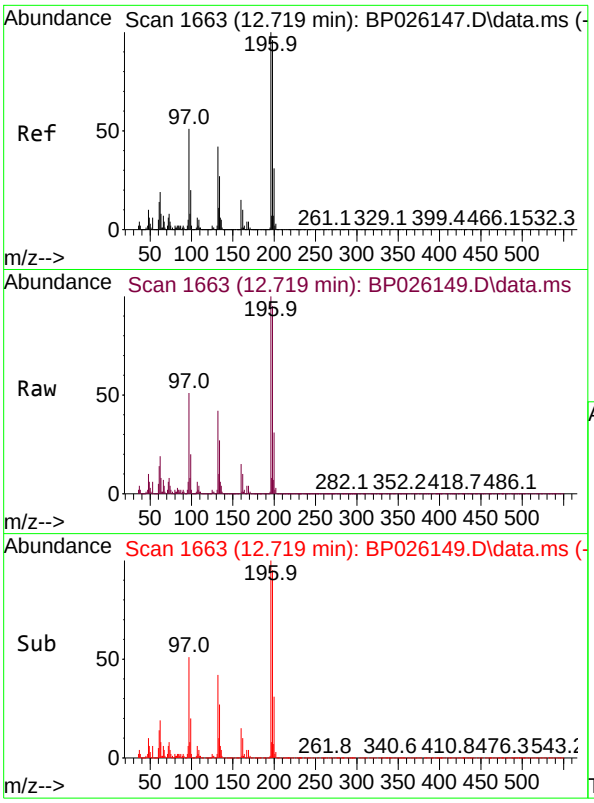


#42
2,4,6-Tribromophenol
Concen: 120.534 ng
RT: 15.837 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:330 Resp: 1244554

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	32.7	26.8	40.2

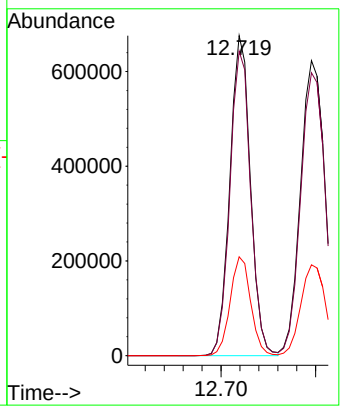




#43
2,4,6-Trichlorophenol
Concen: 61.691 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:196 Resp: 101936

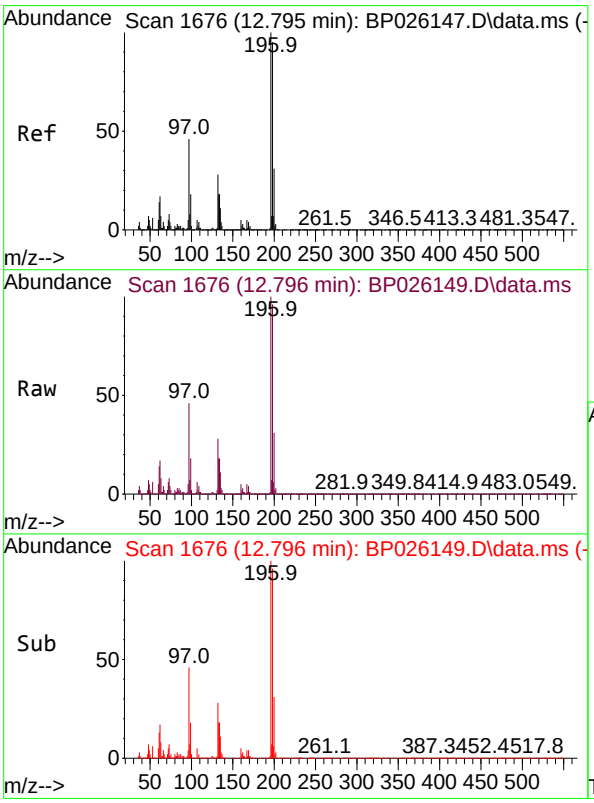
Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.9	115.3
200	30.9	24.6	37.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

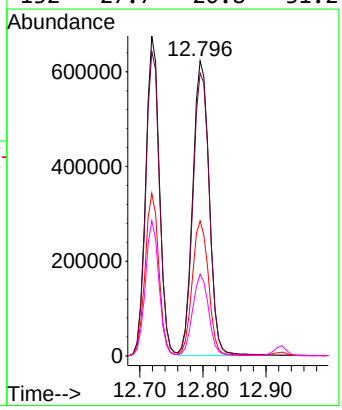
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

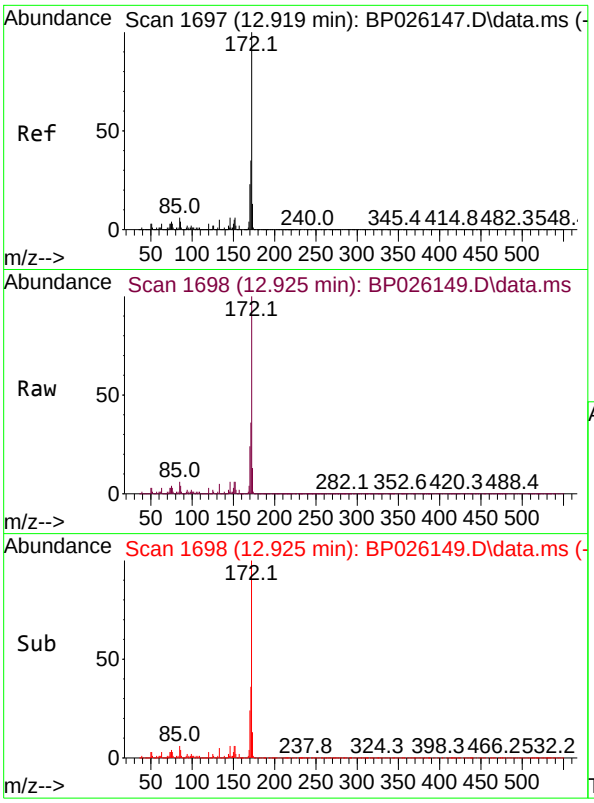


#44
2,4,5-Trichlorophenol
Concen: 61.302 ng
RT: 12.796 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:196 Resp: 1129527

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.4	114.6
97	45.8	35.7	53.5
132	27.7	20.8	31.2

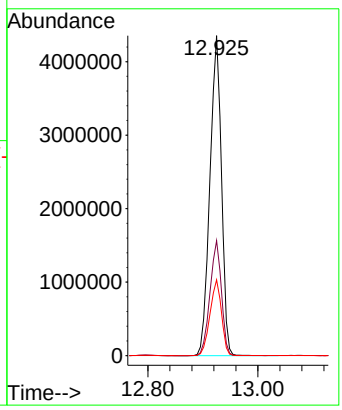




#45
2-Fluorobiphenyl
Concen: 115.965 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:172 Resp: 633363

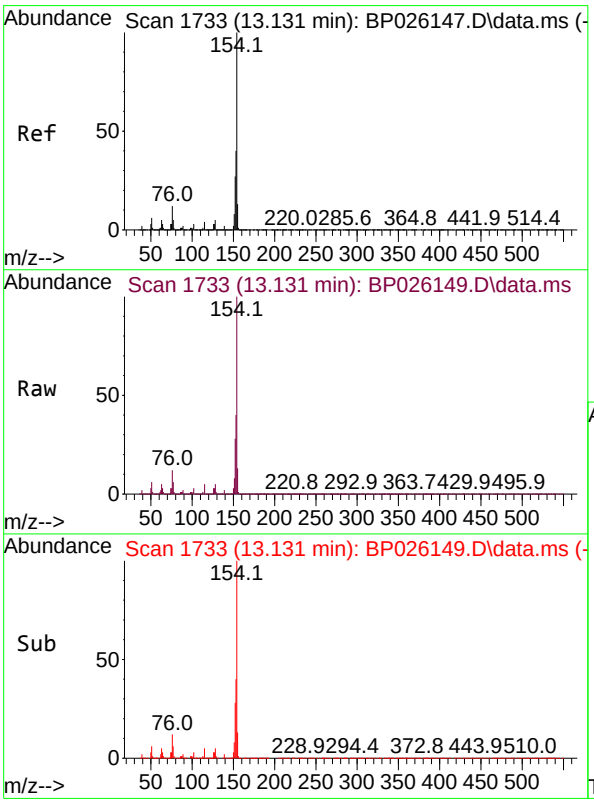
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.4
170	23.7	18.7	28.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

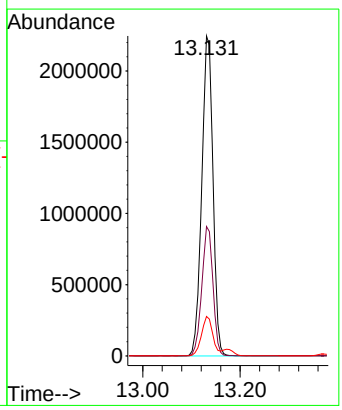
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

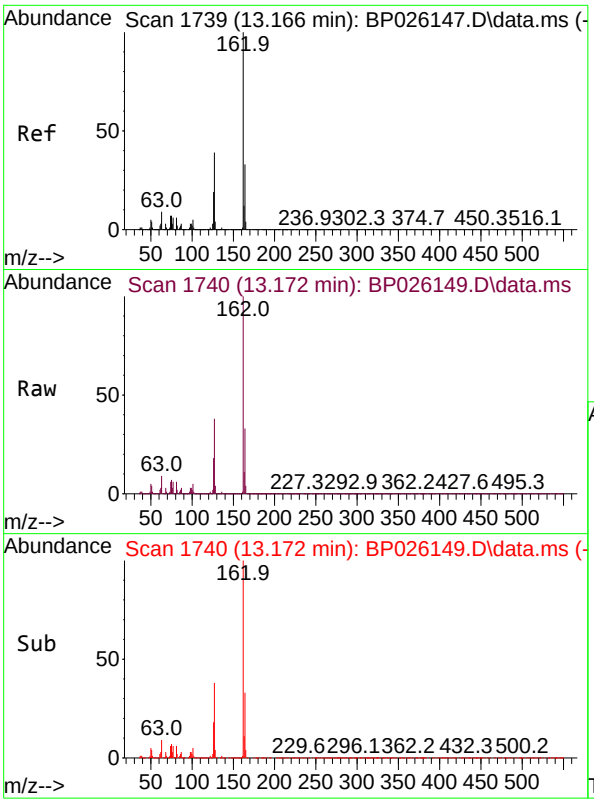


#46
1,1'-Biphenyl
Concen: 60.111 ng
RT: 13.131 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:154 Resp: 3595006

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	12.3	0.0	32.3

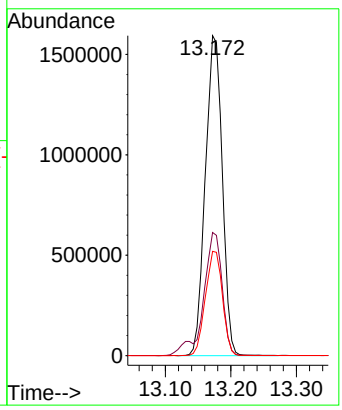




#47
2-Chloronaphthalene
Concen: 60.741 ng
RT: 13.172 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:162 Resp: 285598

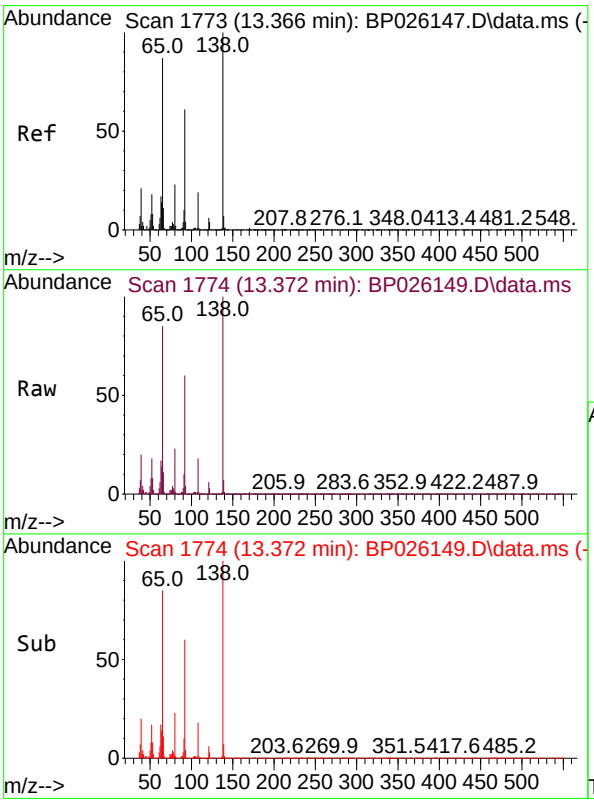
Ion	Ratio	Lower	Upper
162	100		
127	38.5	30.9	46.3
164	32.6	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

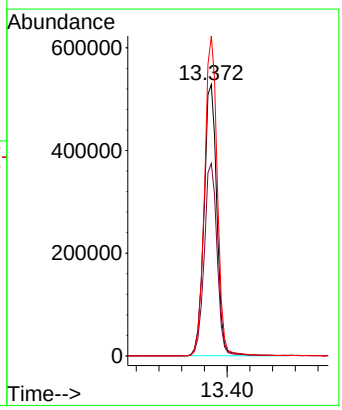
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

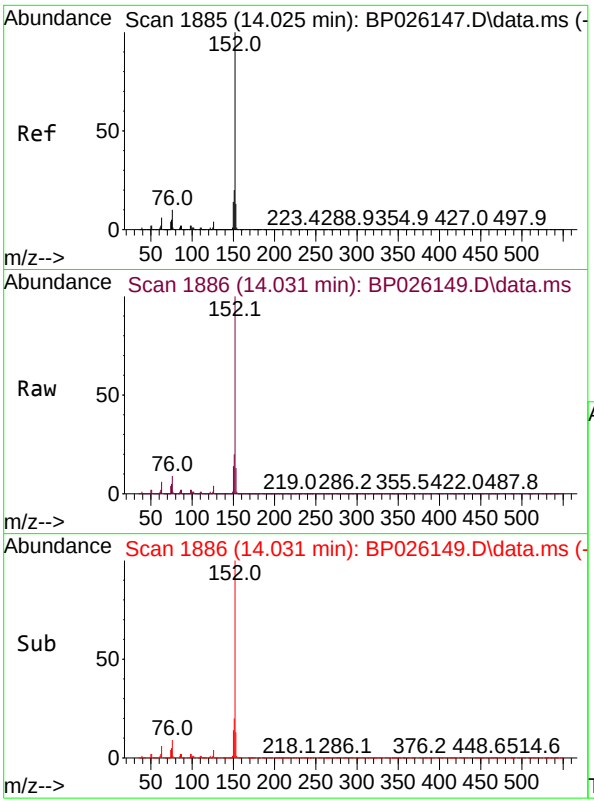


#48
2-Nitroaniline
Concen: 63.445 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 65 Resp: 833079

Ion	Ratio	Lower	Upper
65	100		
92	70.9	59.1	88.7
138	117.9	96.6	145.0

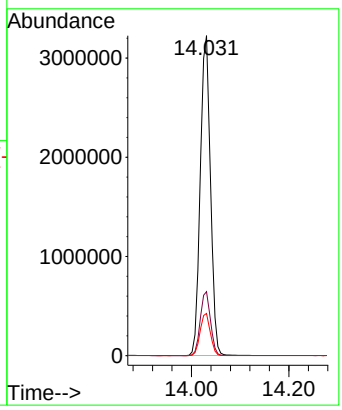




#49
Acenaphthylene
Concen: 59.935 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:152 Resp: 466262

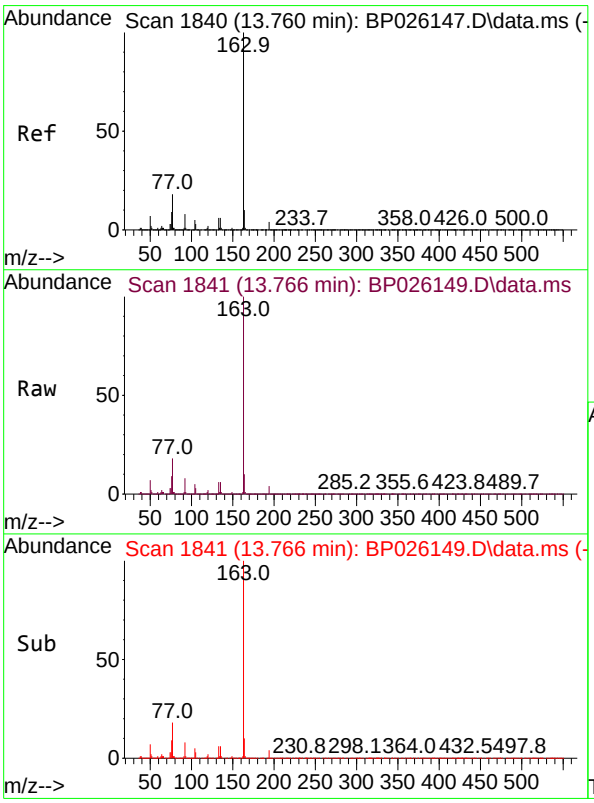
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

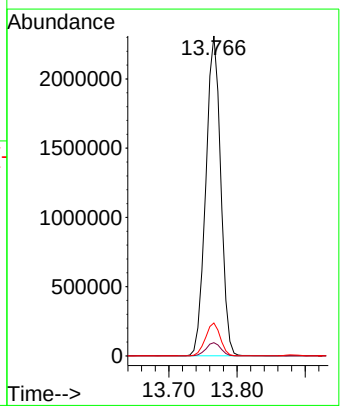
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

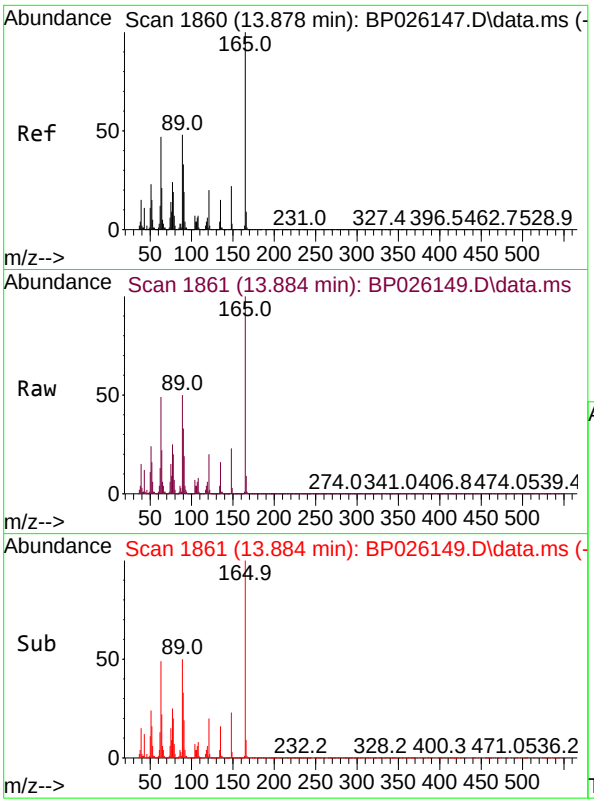


#50
Dimethylphthalate
Concen: 59.198 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:163 Resp: 3514882

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.2

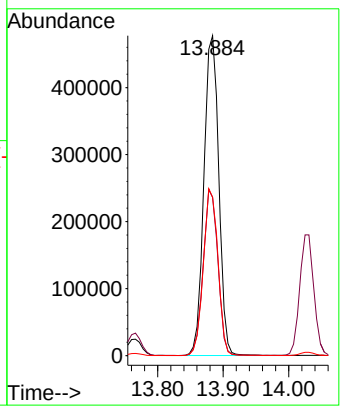




#51
2,6-Dinitrotoluene
Concen: 63.777 ng
RT: 13.884 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:165 Resp: 748865

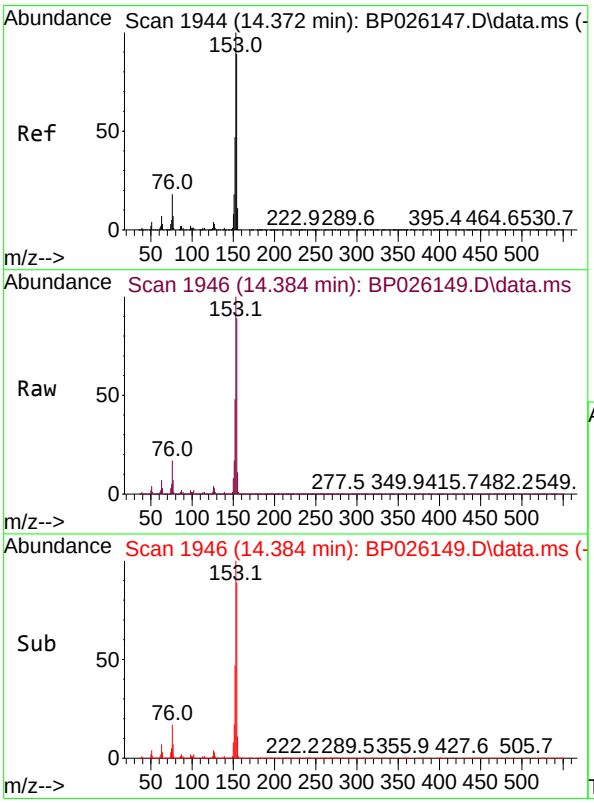
Ion	Ratio	Lower	Upper
165	100		
63	49.4	40.5	60.7
89	49.5	41.3	61.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

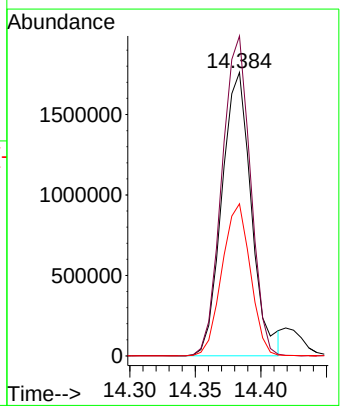
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

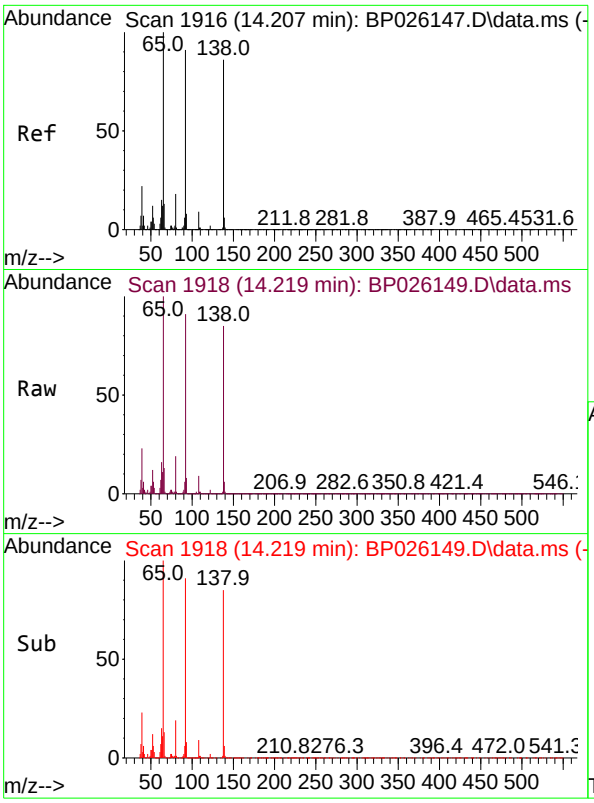


#52
Acenaphthene
Concen: 60.573 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:154 Resp: 2756036

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.7	136.1
152	53.6	42.8	64.2

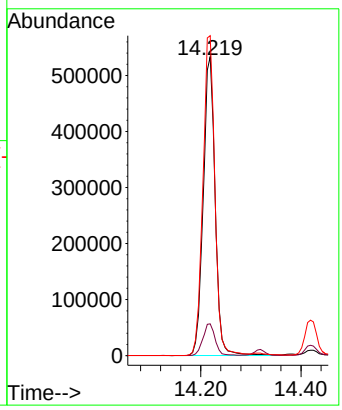




#53
3-Nitroaniline
Concen: 63.349 ng
RT: 14.219 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:138 Resp: 87873

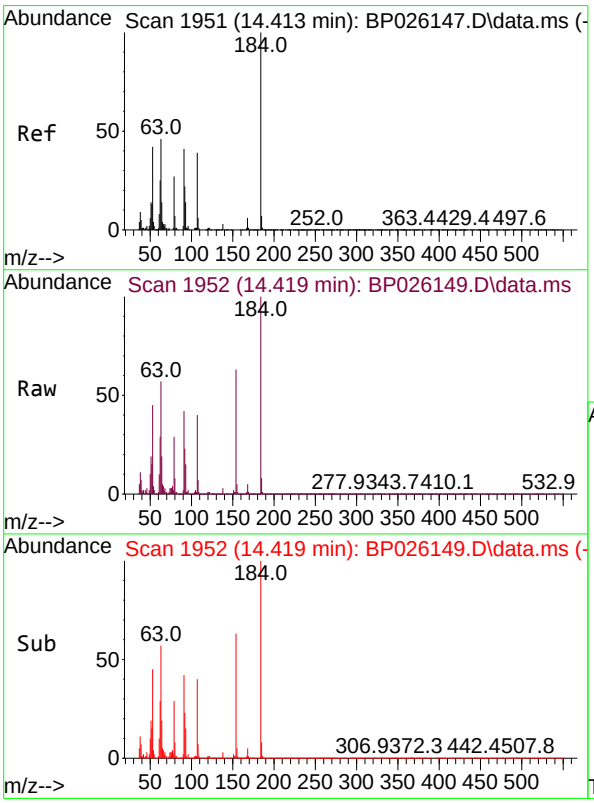
Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.9	13.3
92	107.1	86.3	129.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

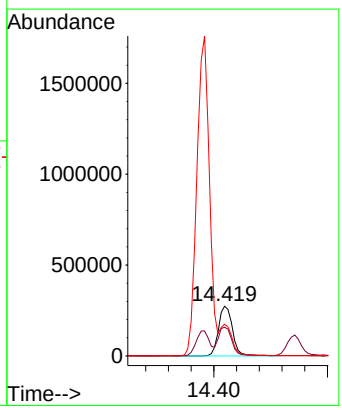
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

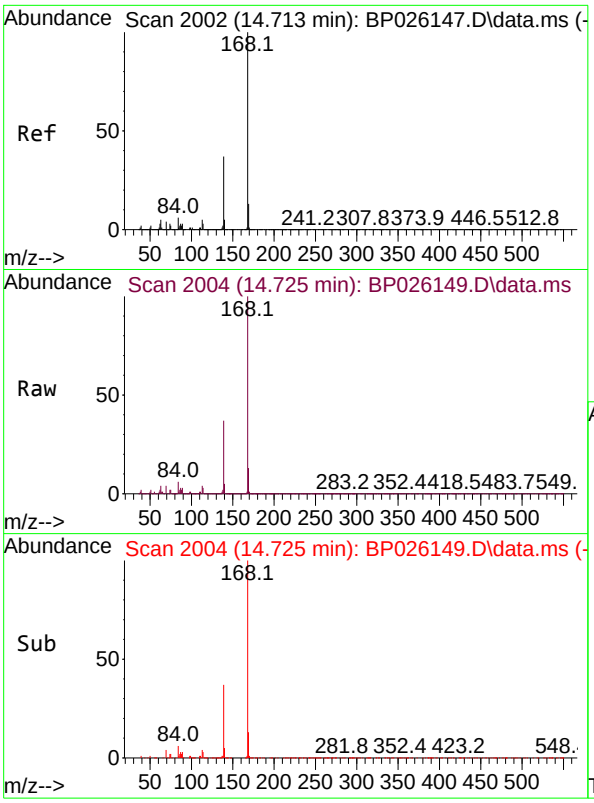


#54
2,4-Dinitrophenol
Concen: 65.711 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:184 Resp: 462858

Ion	Ratio	Lower	Upper
184	100		
63	57.5	43.1	64.7
154	63.5	49.5	74.3

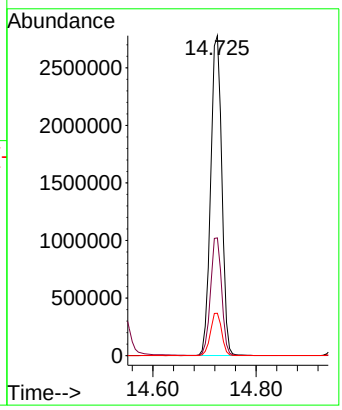




#55
Dibenzofuran
Concen: 58.432 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:168 Resp: 415459

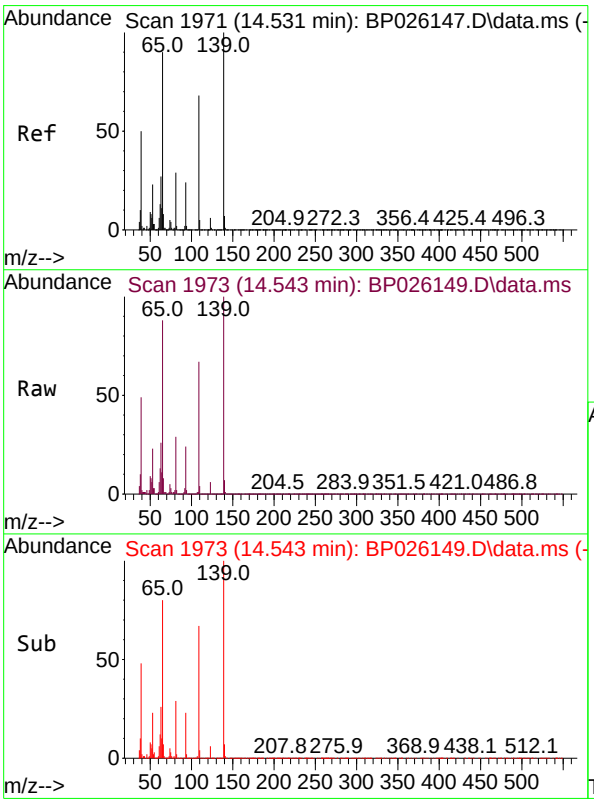
Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.8	44.6
169	13.2	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

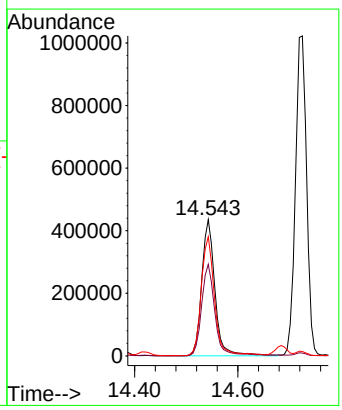
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

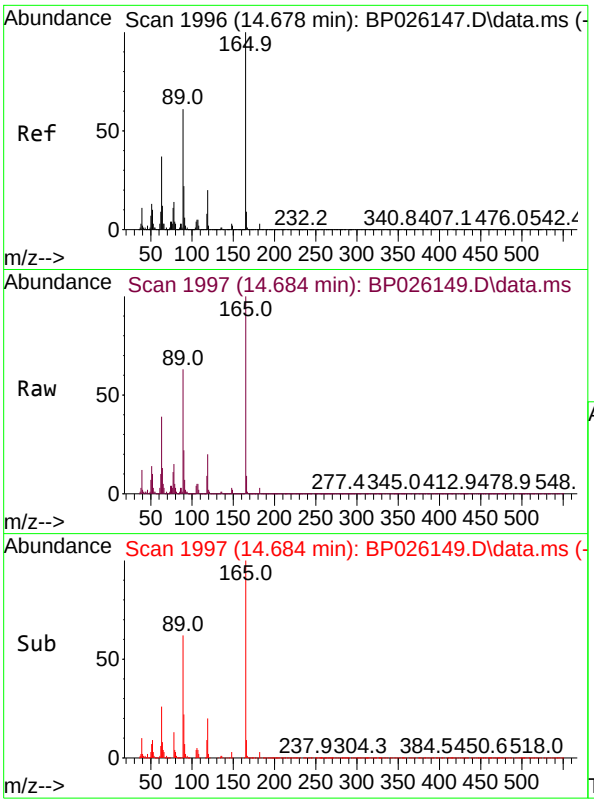


#56
4-Nitrophenol
Concen: 61.570 ng
RT: 14.543 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:139 Resp: 775308

Ion	Ratio	Lower	Upper
139	100		
109	67.2	46.8	86.8
65	87.5	69.3	109.3

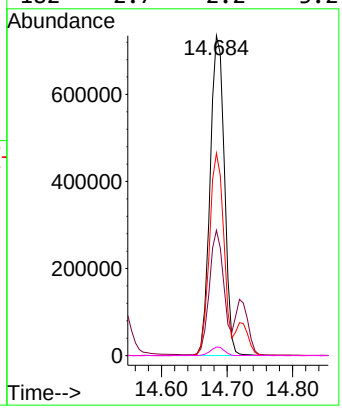




#57
2,4-Dinitrotoluene
Concen: 63.016 ng
RT: 14.684 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:165 Resp: 111235

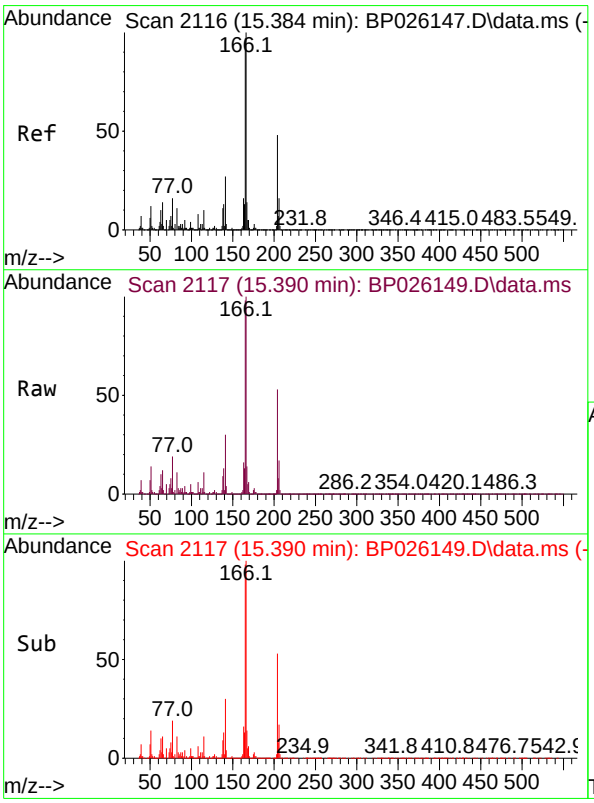
Ion	Ratio	Lower	Upper
165	100		
63	39.2	31.0	46.6
89	63.3	51.7	77.5
182	2.7	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

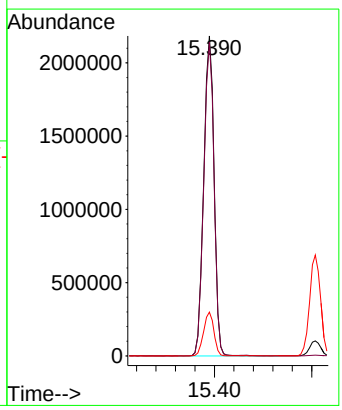
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

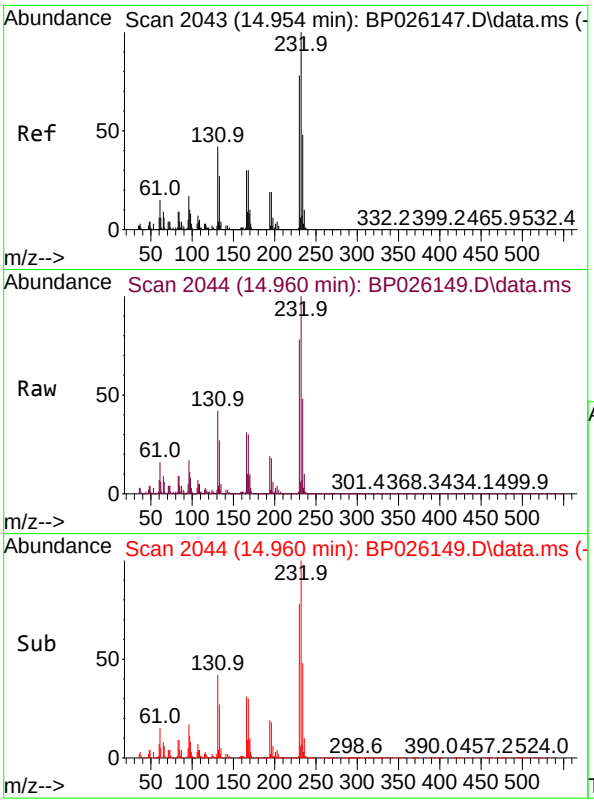


#58
Fluorene
Concen: 57.477 ng
RT: 15.390 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:166 Resp: 3230615

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.7	11.0	16.4

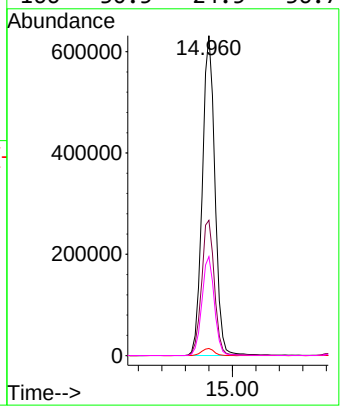




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.606 ng
RT: 14.960 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:232 Resp: 94583

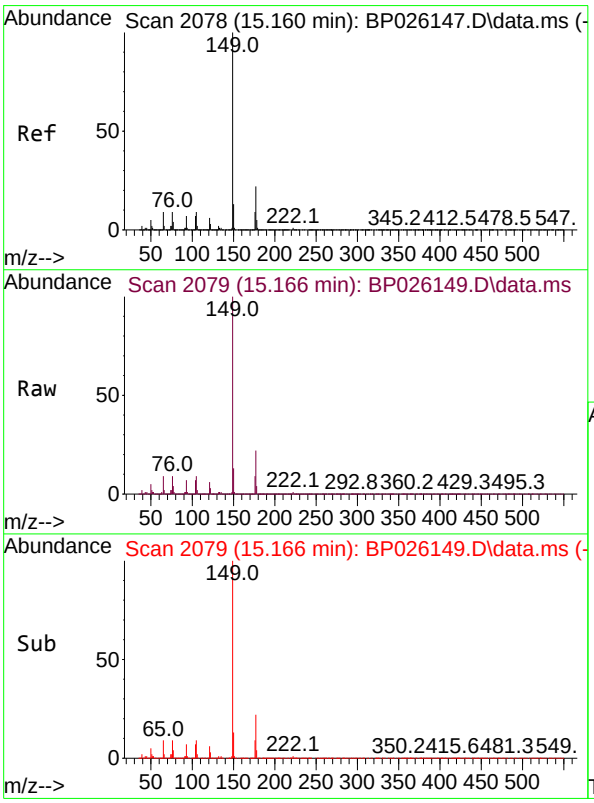
Ion	Ratio	Lower	Upper
232	100		
131	43.1	34.8	52.2
130	2.2	1.8	2.8
166	30.5	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

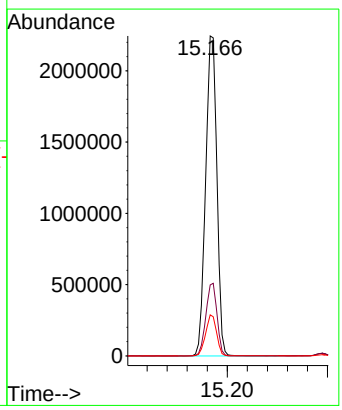
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

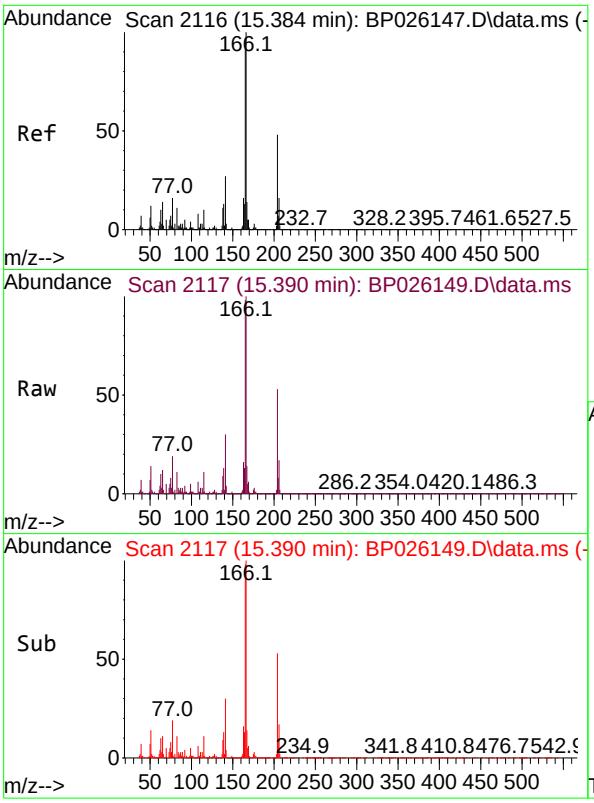


#60
Diethylphthalate
Concen: 58.065 ng
RT: 15.166 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:149 Resp: 3494483

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.8	9.9	14.9

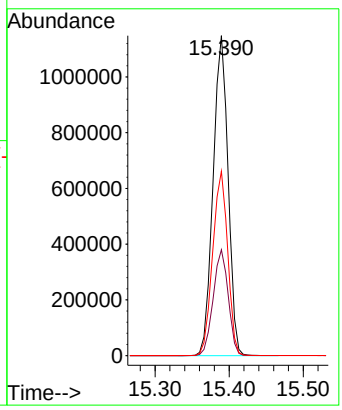




#61
4-Chlorophenyl-phenylether
Concen: 57.693 ng
RT: 15.390 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:204 Resp: 160963

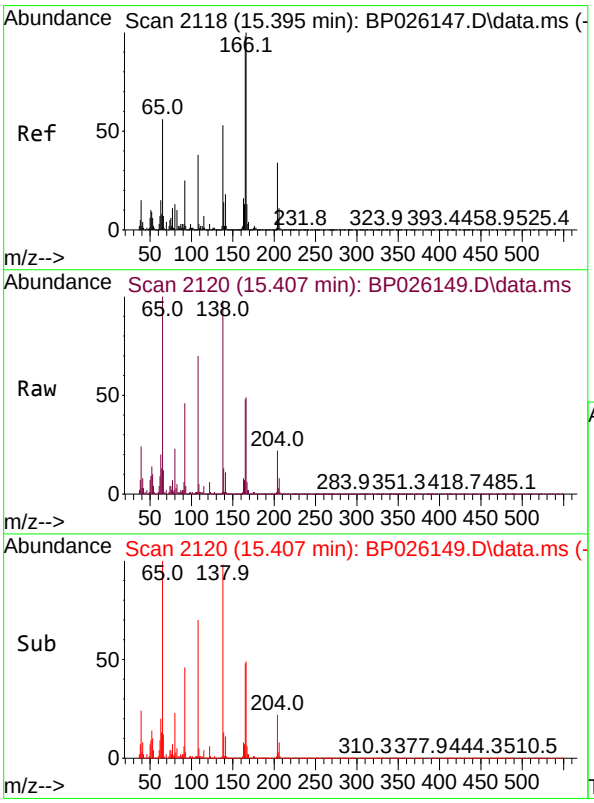
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	57.6	48.1	72.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

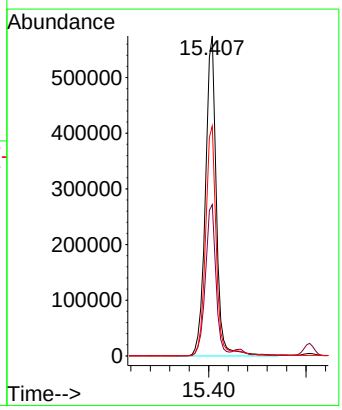
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

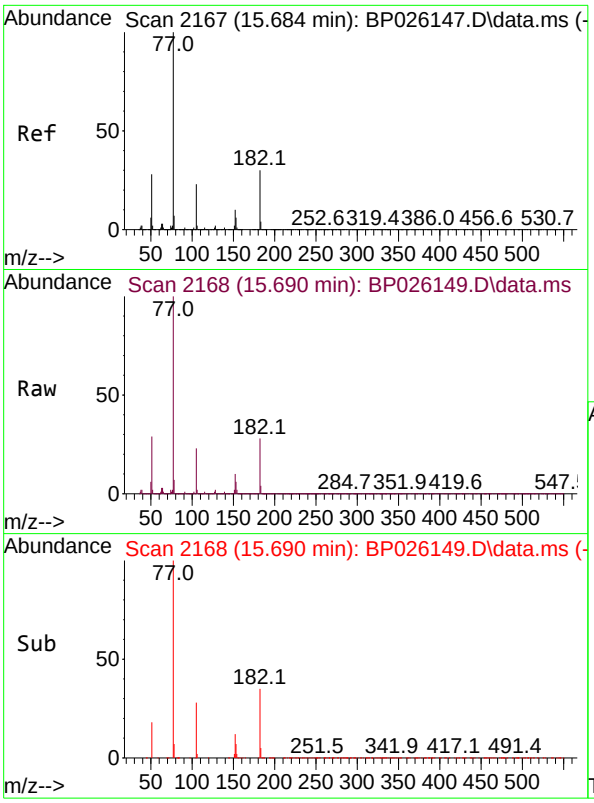


#62
4-Nitroaniline
Concen: 61.908 ng
RT: 15.407 min Scan# 2120
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:138 Resp: 898849

Ion	Ratio	Lower	Upper
138	100		
92	47.3	27.5	67.5
108	71.8	51.1	91.1

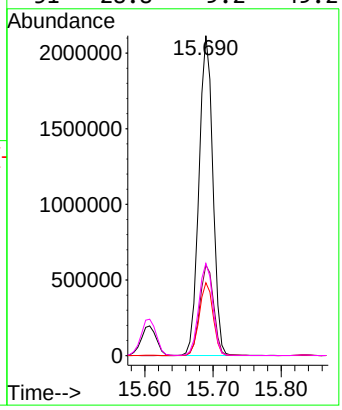




#63
Azobenzene
Concen: 59.189 ng
RT: 15.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion: 77 Resp: 299272

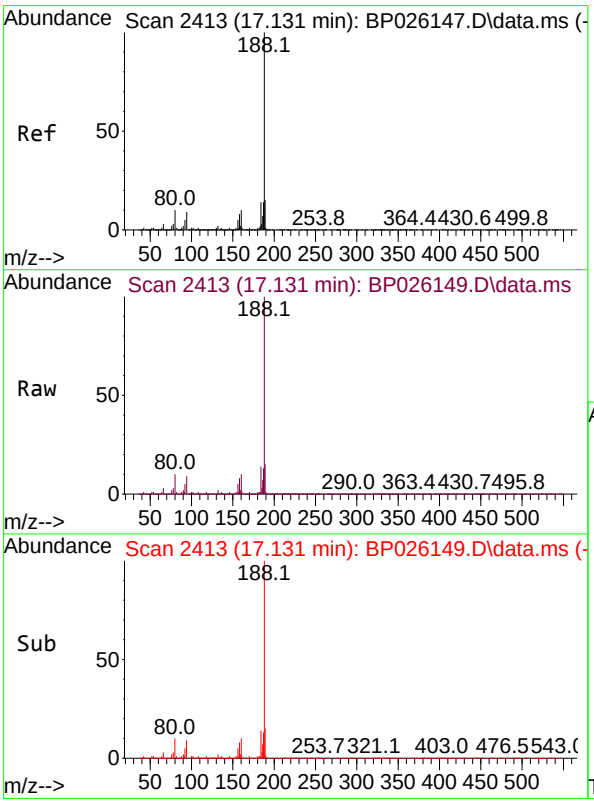
Ion	Ratio	Lower	Upper
77	100		
182	28.3	8.8	48.8
105	22.8	2.6	42.6
51	28.8	9.2	49.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

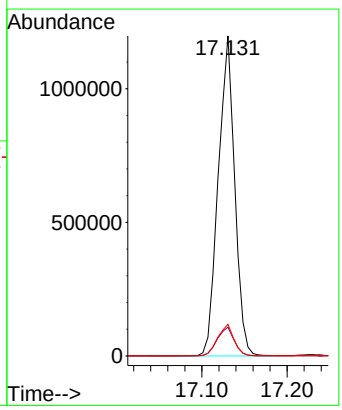
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

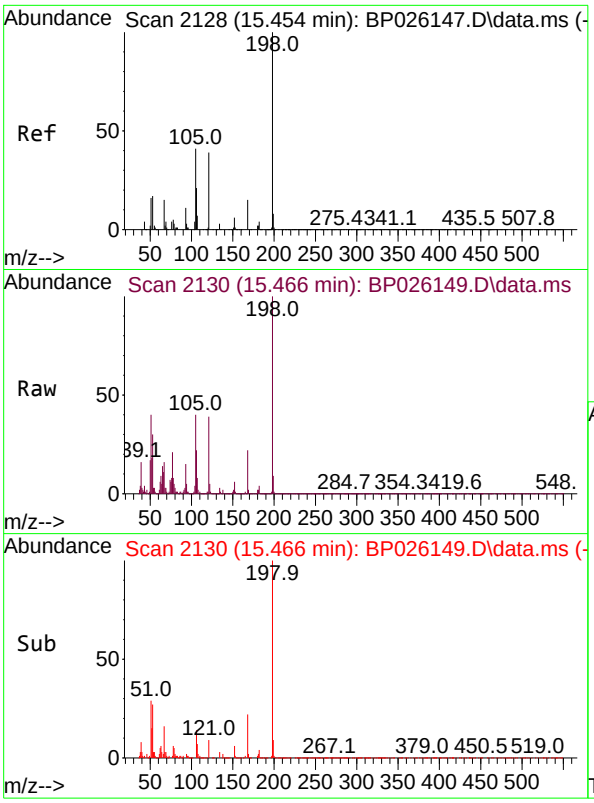


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:188 Resp: 1609780

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.8	11.6
80	9.9	8.2	12.2

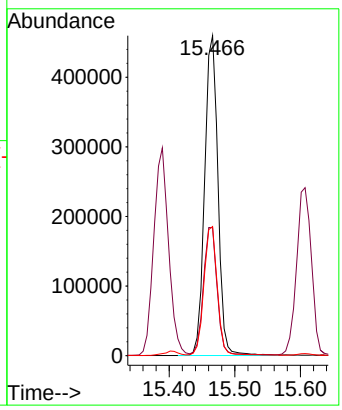




#65
4,6-Dinitro-2-methylphenol
Concen: 63.752 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:198 Resp: 64582

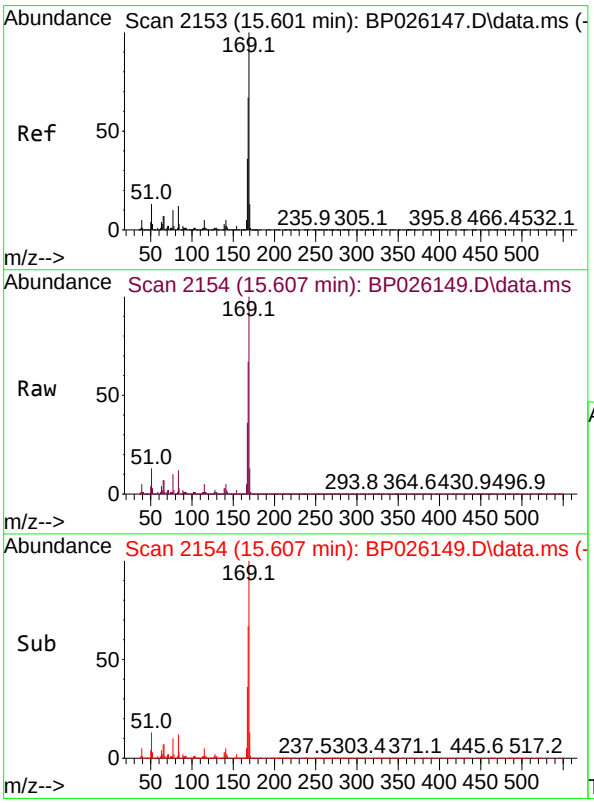
Ion	Ratio	Lower	Upper
198	100		
51	40.0	18.4	58.4
105	40.3	18.5	58.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

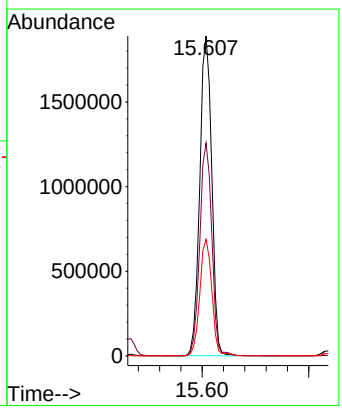
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

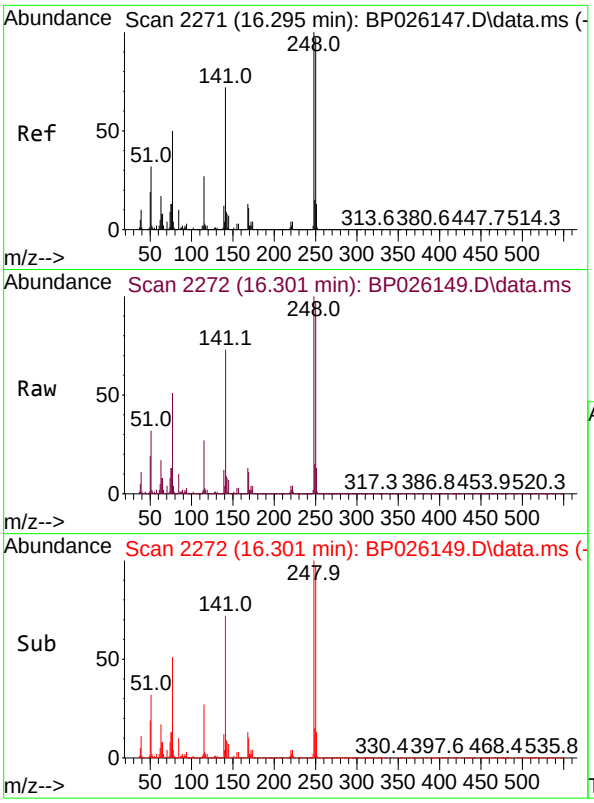


#66
n-Nitrosodiphenylamine
Concen: 59.025 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:169 Resp: 2939838

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.1	79.7
167	36.4	28.9	43.3

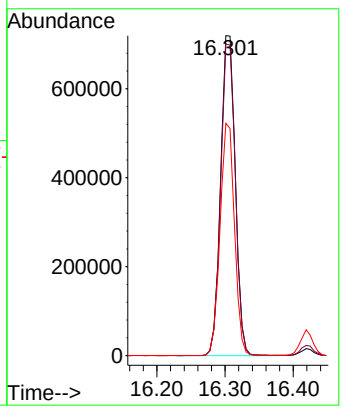




#67
4-Bromophenyl-phenylether
Concen: 59.865 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:248 Resp: 106499

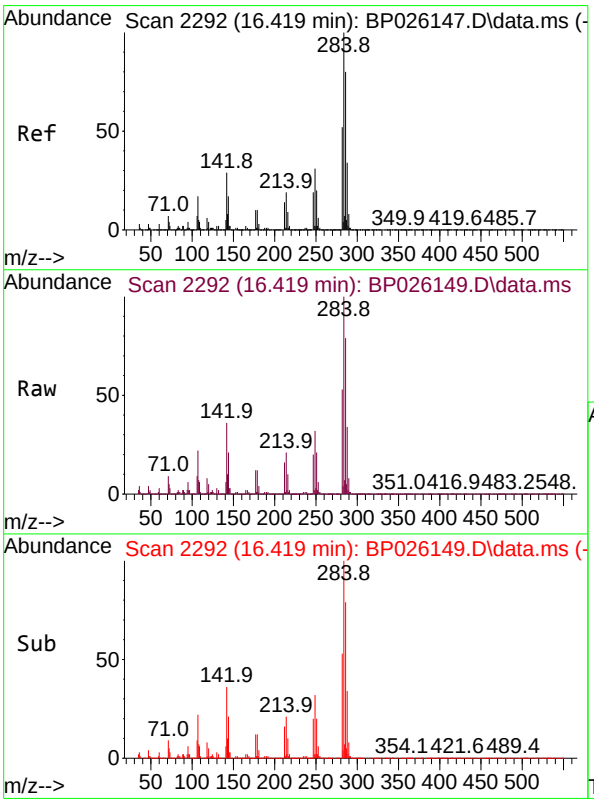
Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.8	116.6
141	72.6	55.4	83.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

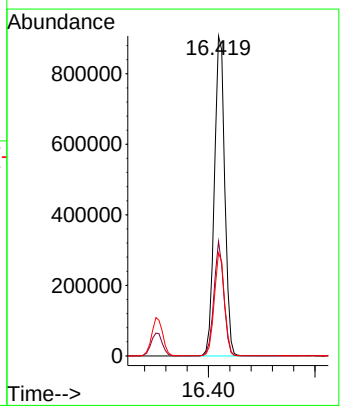
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

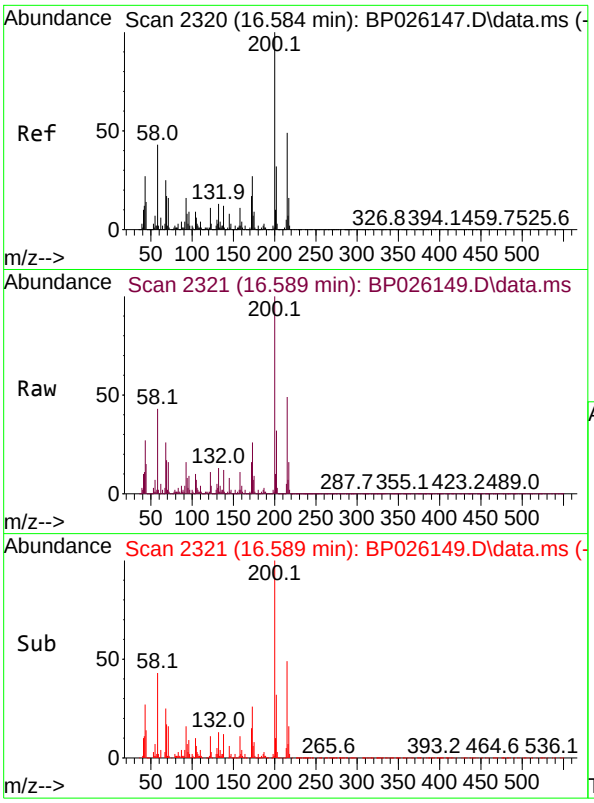


#68
Hexachlorobenzene
Concen: 59.631 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:284 Resp: 1225655

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.0	42.0
249	32.2	25.0	37.4

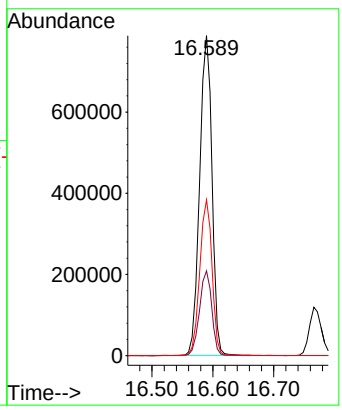




#69
Atrazine
Concen: 59.021 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:200 Resp: 110697

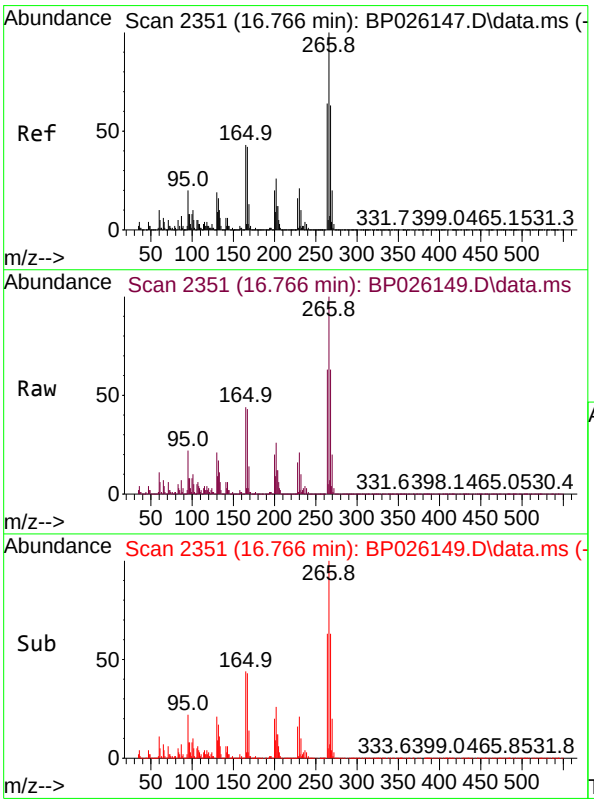
Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	48.7	27.4	67.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

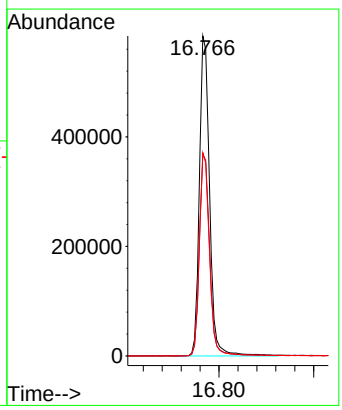
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

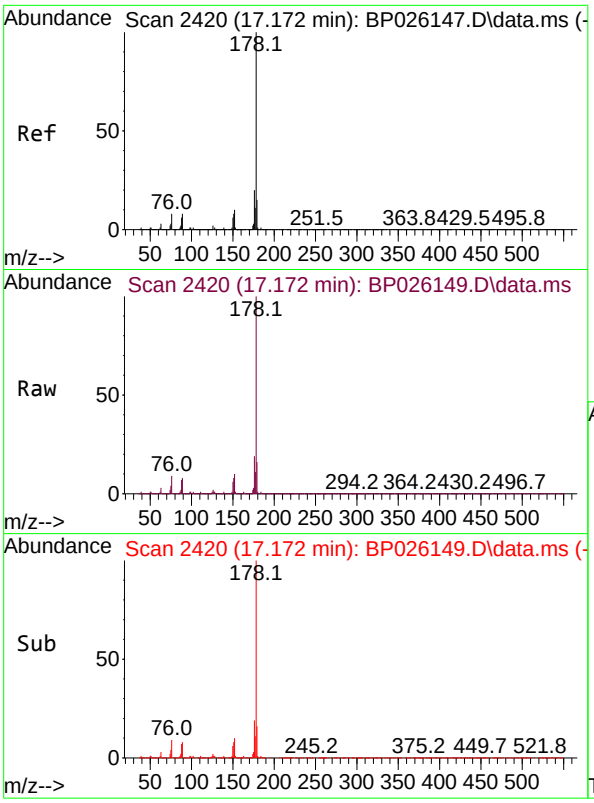


#70
Pentachlorophenol
Concen: 60.353 ng
RT: 16.766 min Scan# 2351
Delta R.T. -0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:266 Resp: 870320

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.0	76.4
264	63.5	50.2	75.2

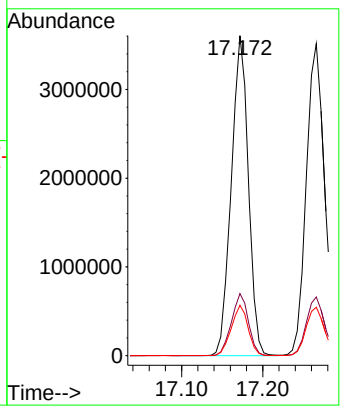




#71
Phenanthrene
Concen: 57.751 ng
RT: 17.172 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:178 Resp: 525950

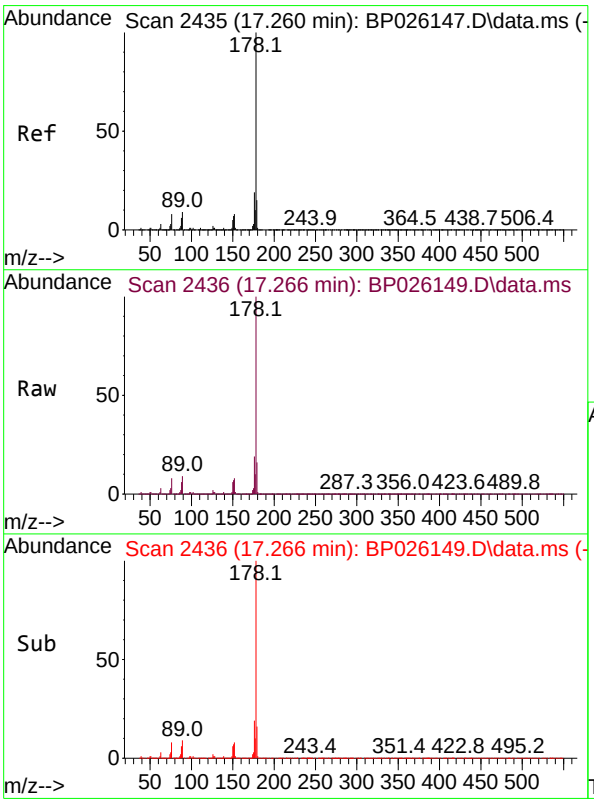
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

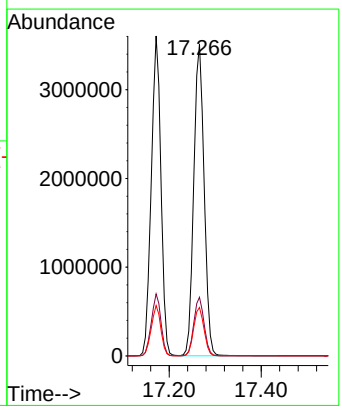
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

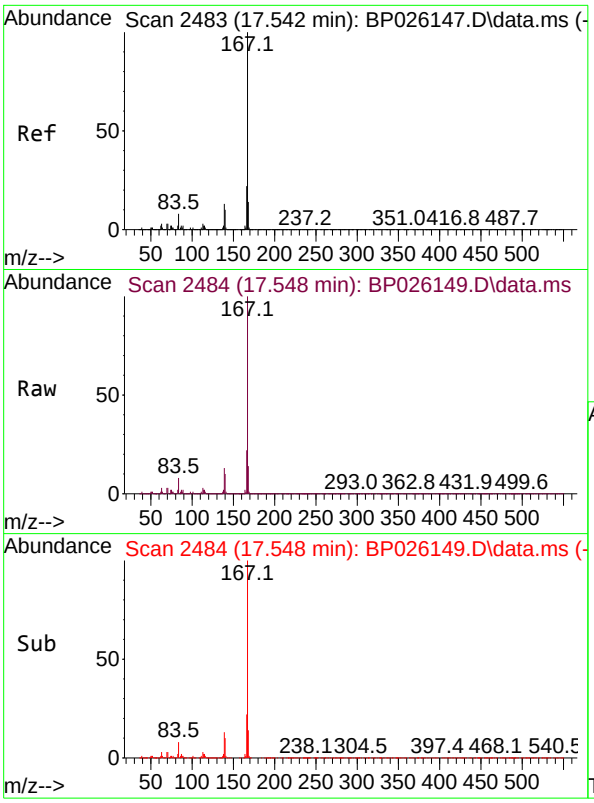


#72
Anthracene
Concen: 58.894 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:178 Resp: 5478029

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.2	18.4

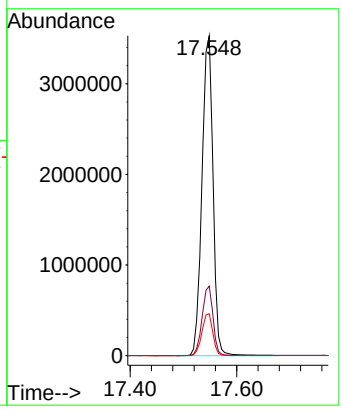




#73
Carbazole
Concen: 57.610 ng
RT: 17.548 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:167 Resp: 506947

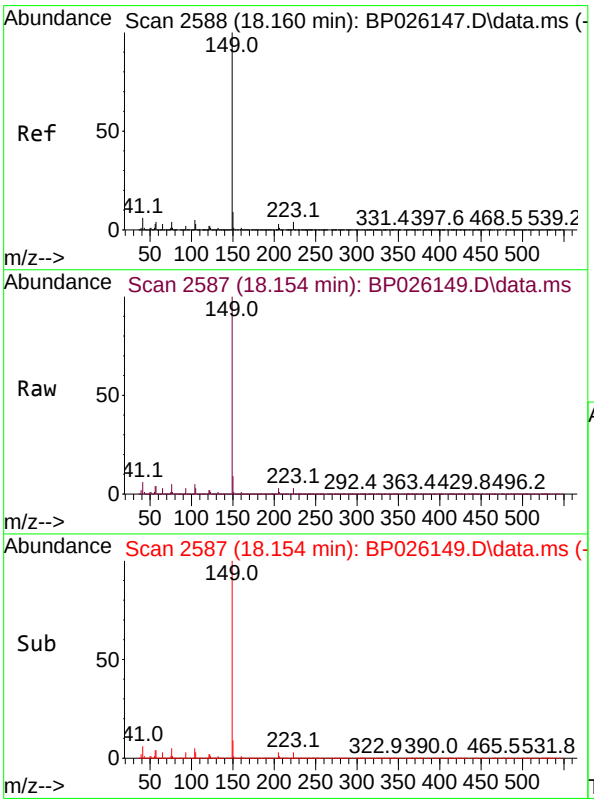
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

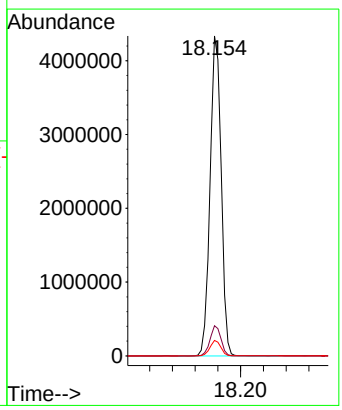
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

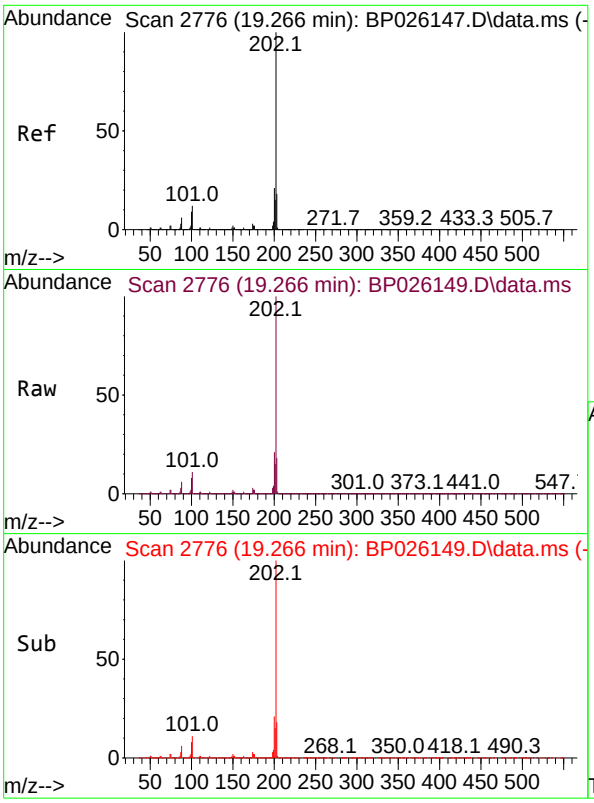


#74
Di-n-butylphthalate
Concen: 56.562 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:149 Resp: 5907343

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	3.6	5.4

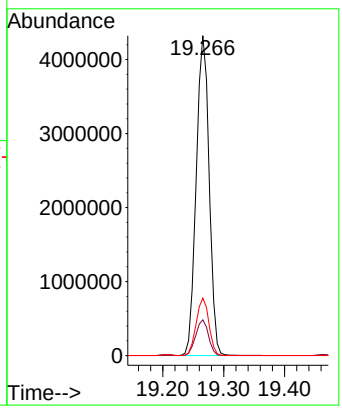




#75
Fluoranthene
Concen: 57.206 ng
RT: 19.266 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:202 Resp: 636761

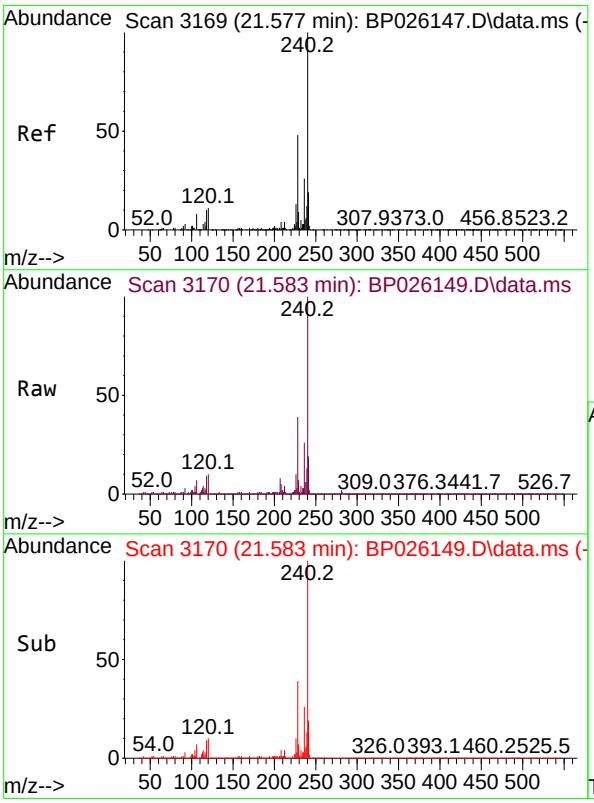
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	18.0	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

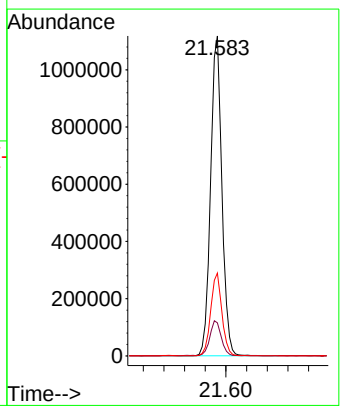
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

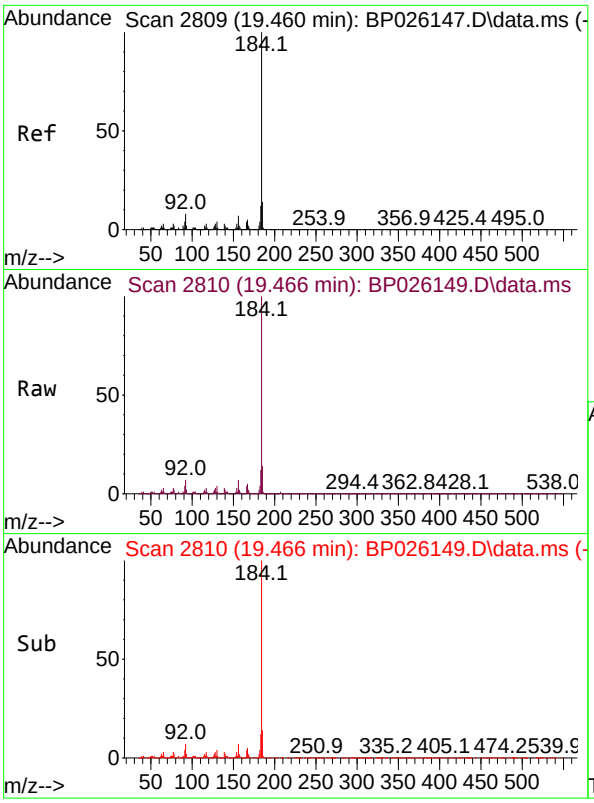


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:240 Resp: 1696557

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.0	13.4
236	25.9	20.4	30.6

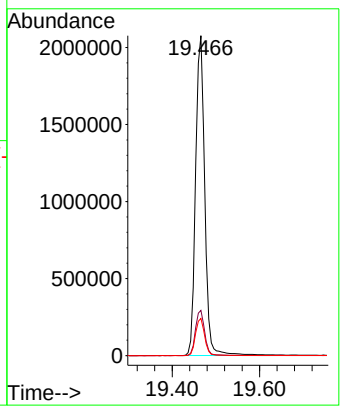




#77
Benzidine
Concen: 57.876 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:184 Resp: 3022349

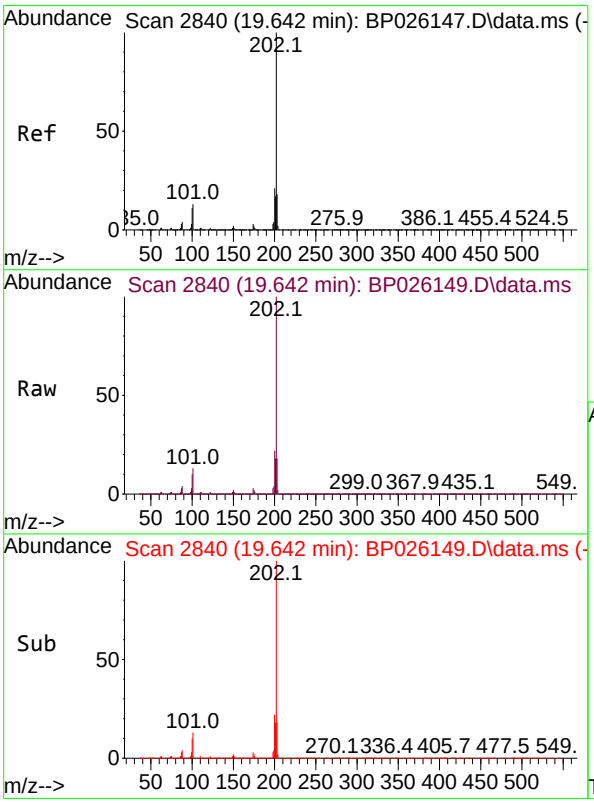
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.6	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

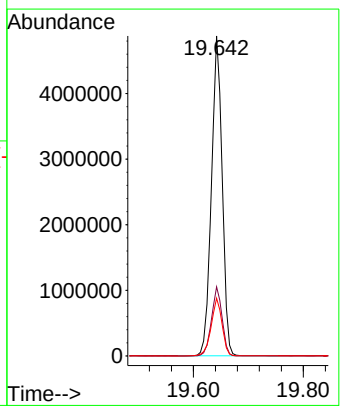
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

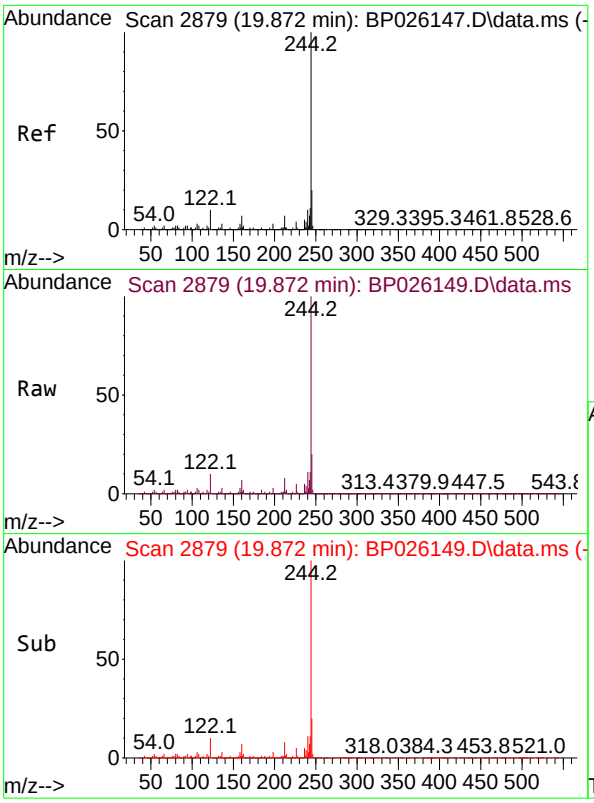


#78
Pyrene
Concen: 59.952 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:202 Resp: 6627085

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.0	13.8	20.8

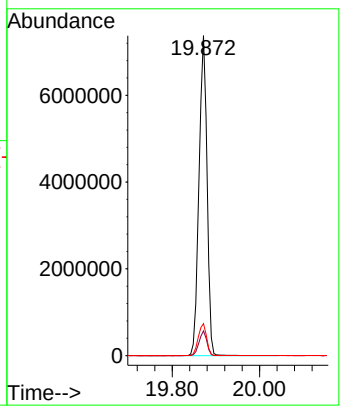




#79
Terphenyl-d14
Concen: 112.262 ng
RT: 19.872 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:244 Resp: 933964

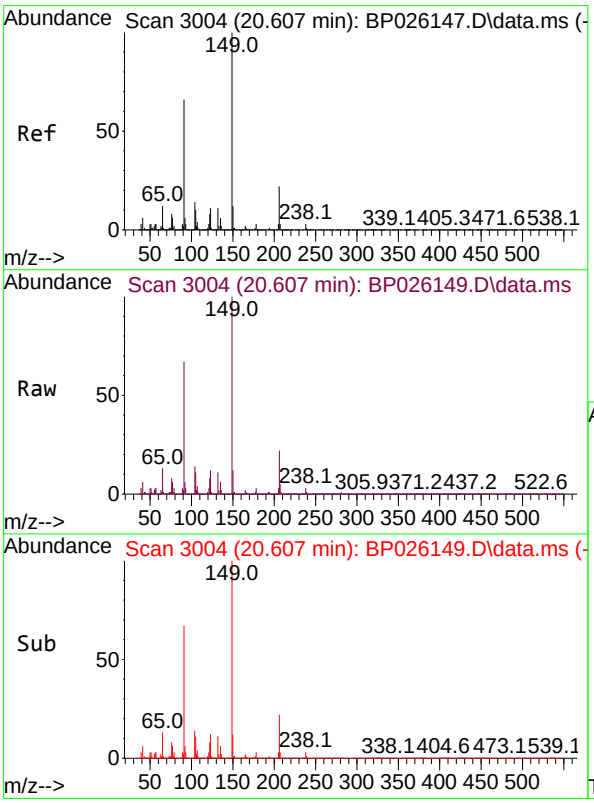
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	10.0	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

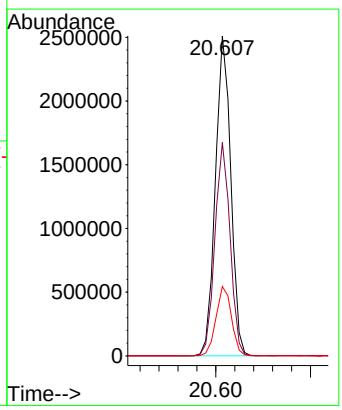
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

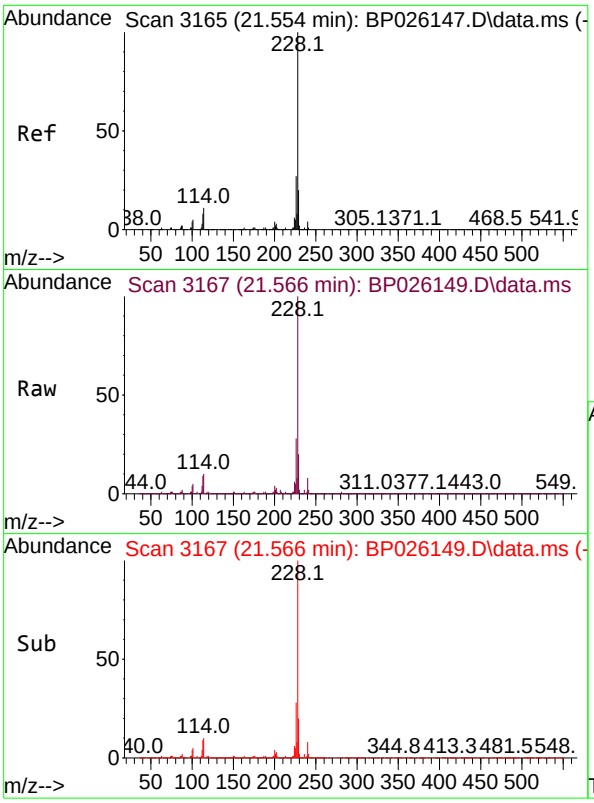


#80
Butylbenzylphthalate
Concen: 57.369 ng
RT: 20.607 min Scan# 3004
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:149 Resp: 2824354

Ion	Ratio	Lower	Upper
149	100		
91	66.7	52.6	79.0
206	21.7	16.9	25.3

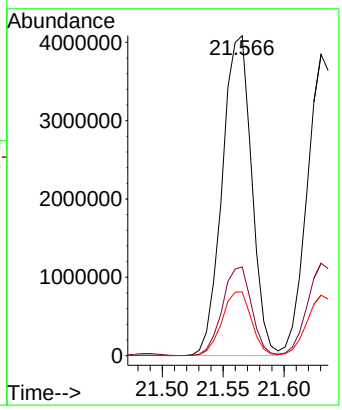




#81
Benzo(a)anthracene
Concen: 59.071 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:228 Resp: 687307

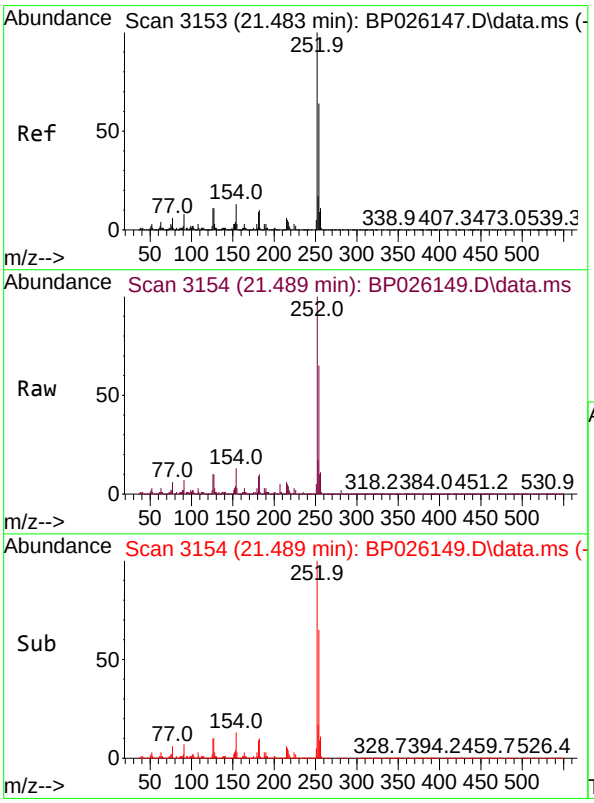
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

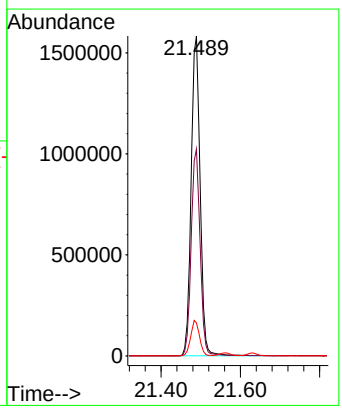
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

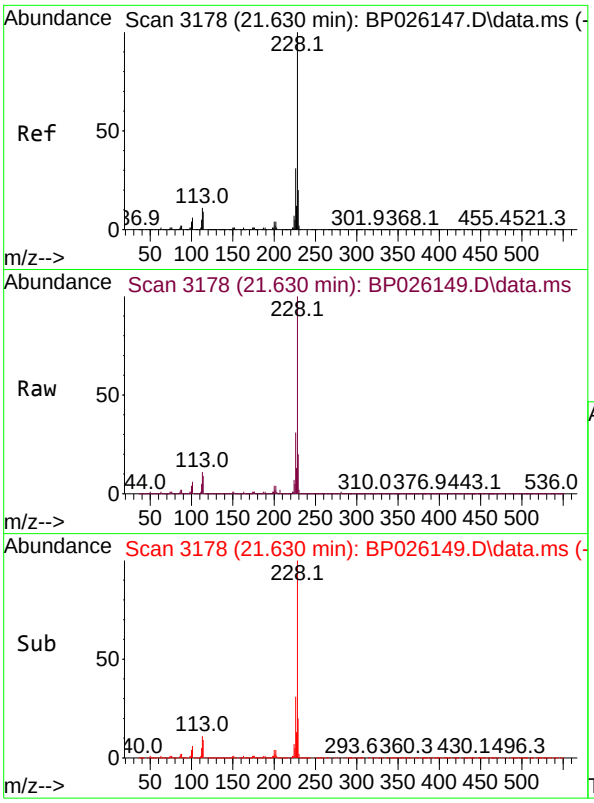


#82
3,3'-Dichlorobenzidine
Concen: 59.050 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:252 Resp: 2496806

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	10.3	8.2	12.4

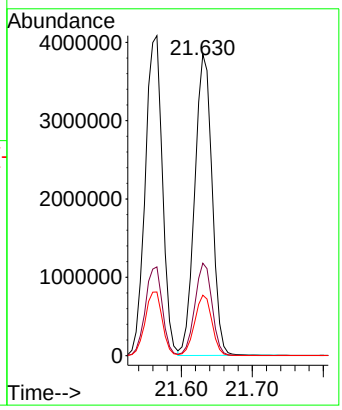




#83
Chrysene
Concen: 59.444 ng
RT: 21.630 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:228 Resp: 651165

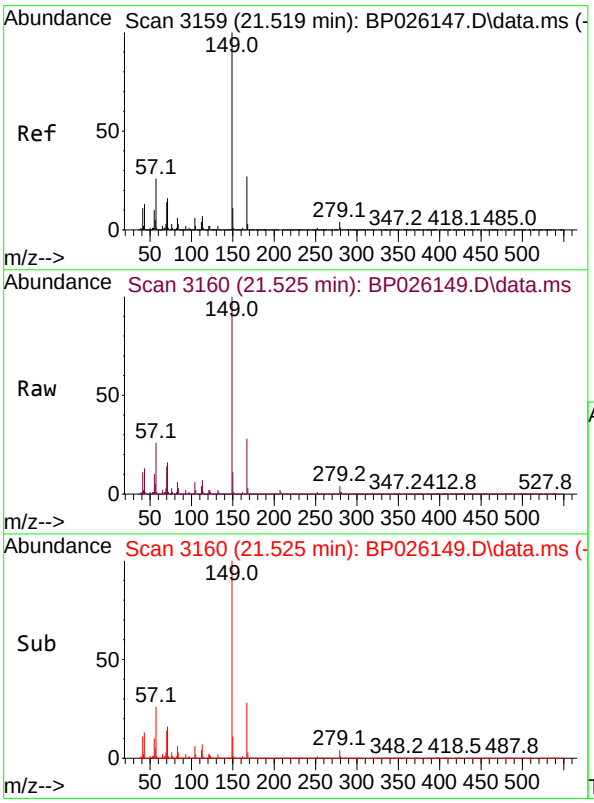
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	20.1	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

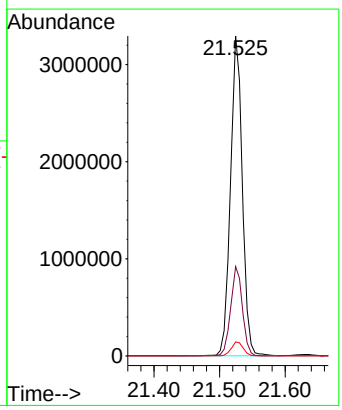
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

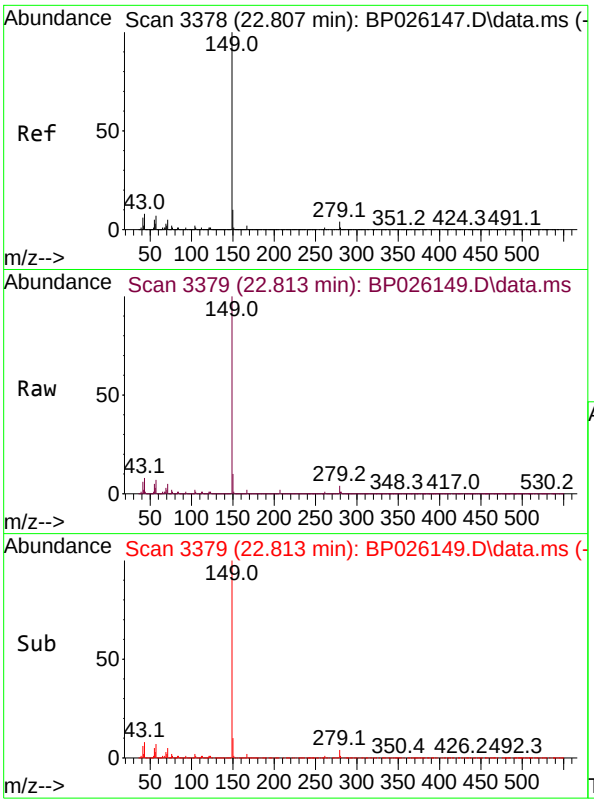


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.063 ng
RT: 21.525 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:149 Resp: 4143037

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.4	3.3	4.9

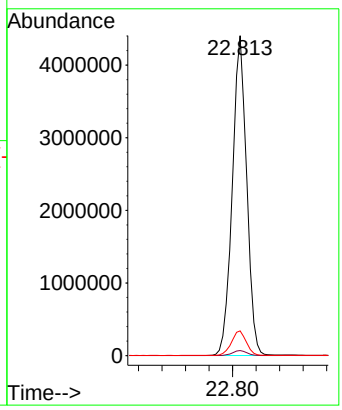




#85
Di-n-octyl phthalate
Concen: 57.415 ng
RT: 22.813 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:149 Resp: 746682

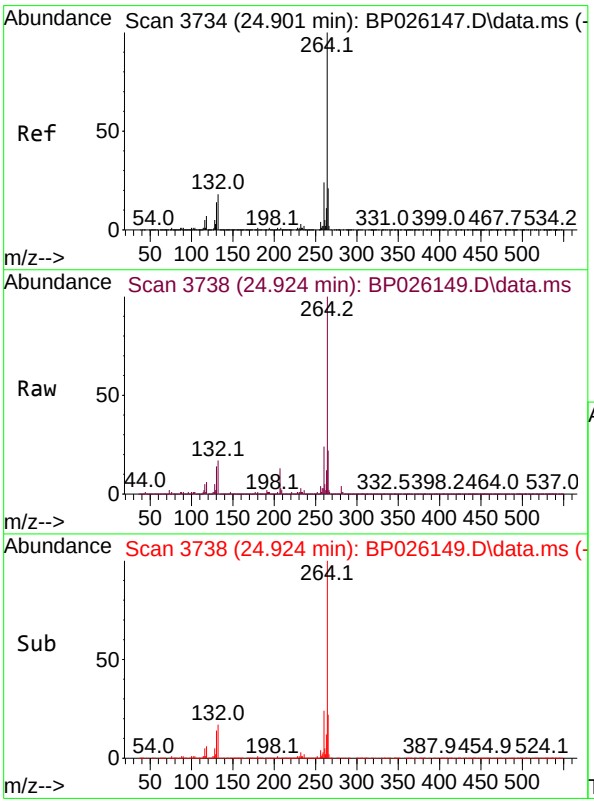
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

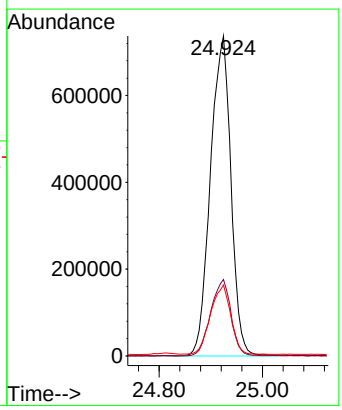
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

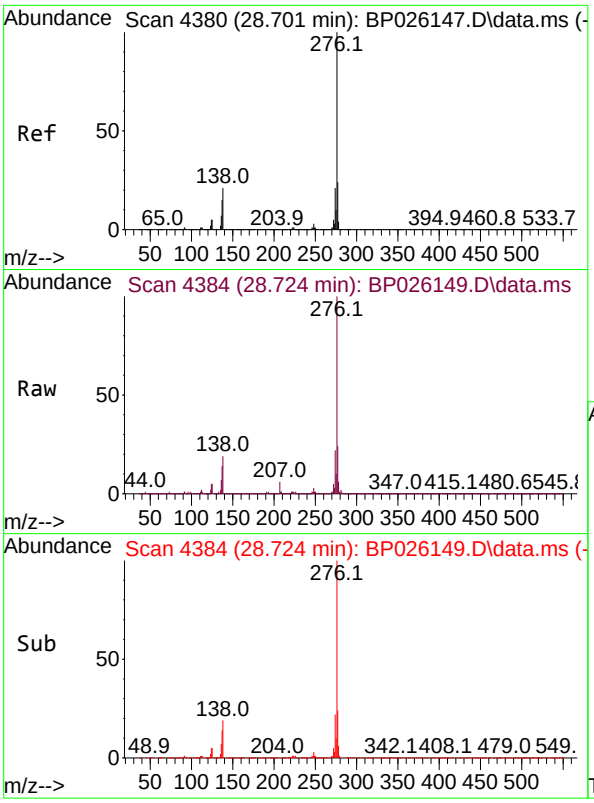


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.924 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:264 Resp: 2032089

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.2	17.5	26.3

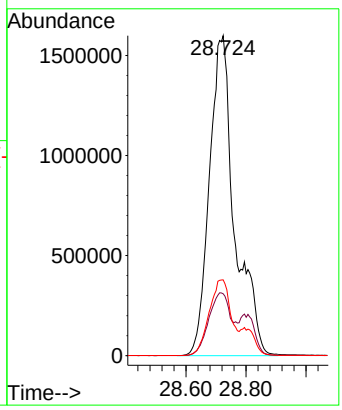




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.647 ng m
RT: 28.724 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:276 Resp: 933248

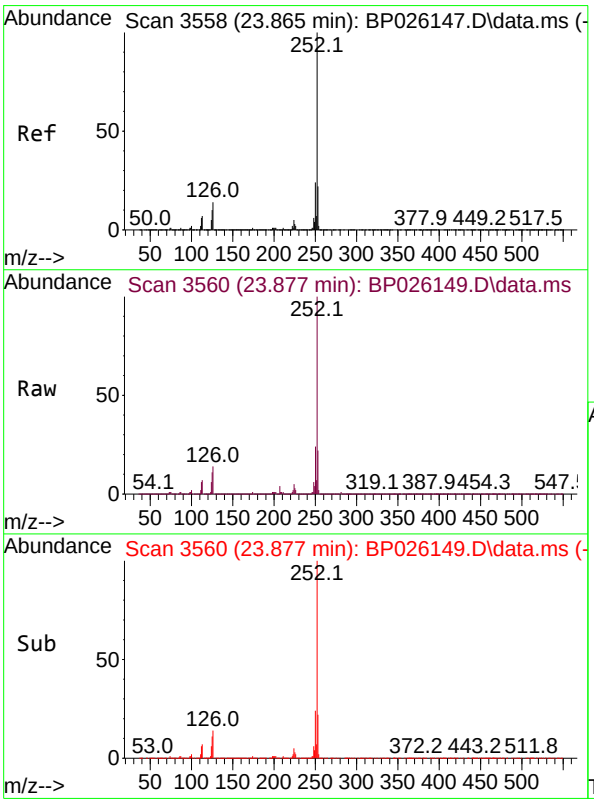
Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.8	20.8
277	20.5	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

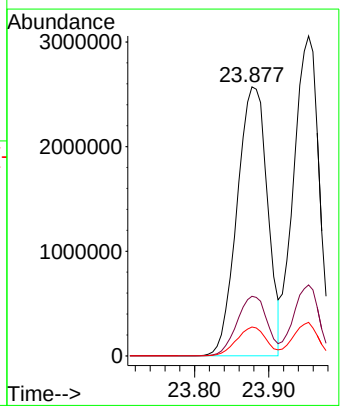
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

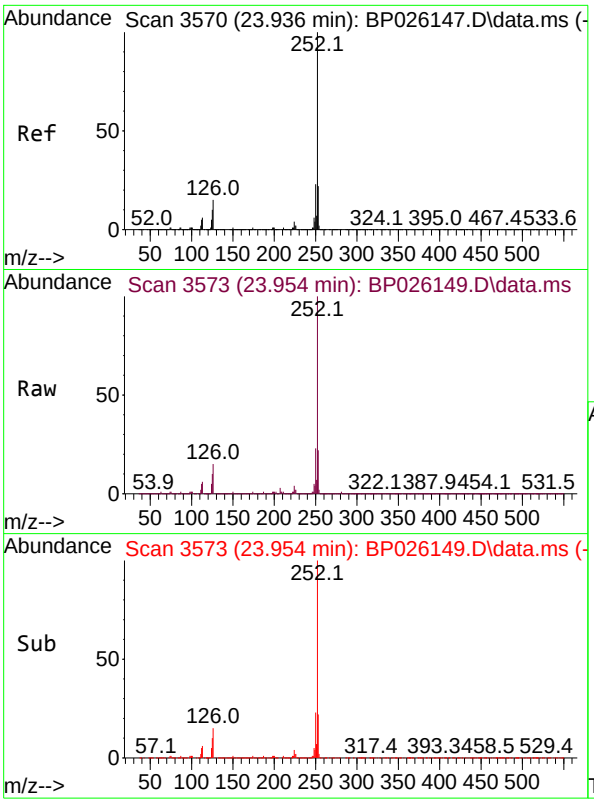


#88
Benzo(b)fluoranthene
Concen: 59.218 ng
RT: 23.877 min Scan# 3560
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:252 Resp: 7316006

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.7	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 58.835 ng
RT: 23.954 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

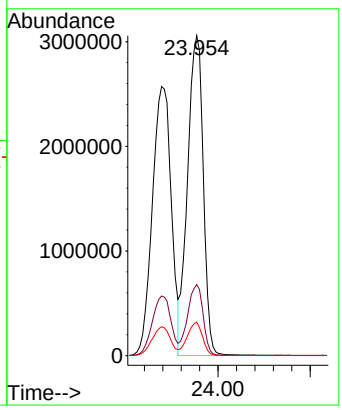
Tgt Ion:252 Resp: 726455

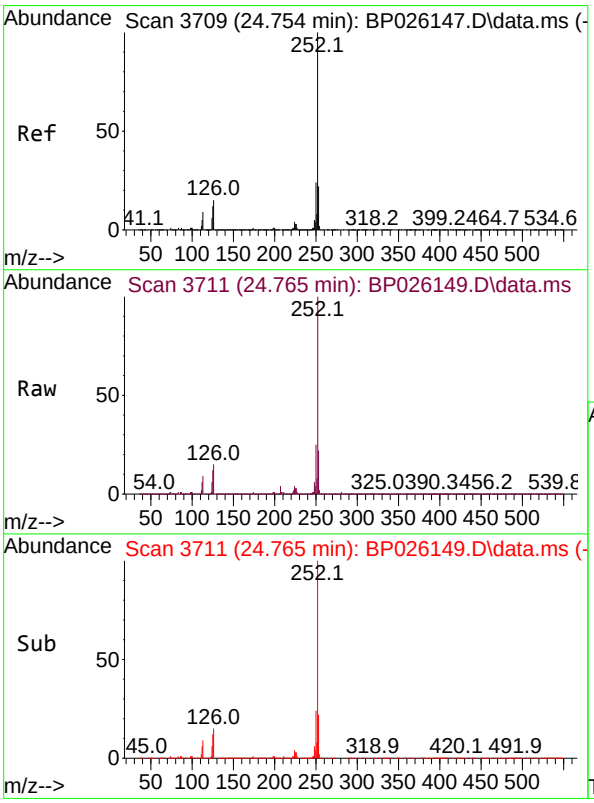
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.5	7.5	11.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

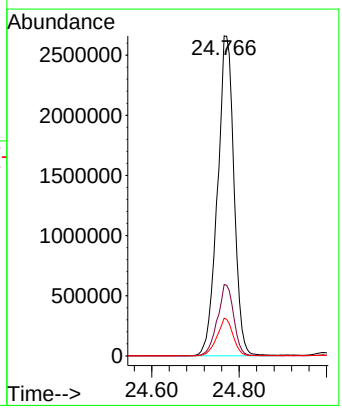


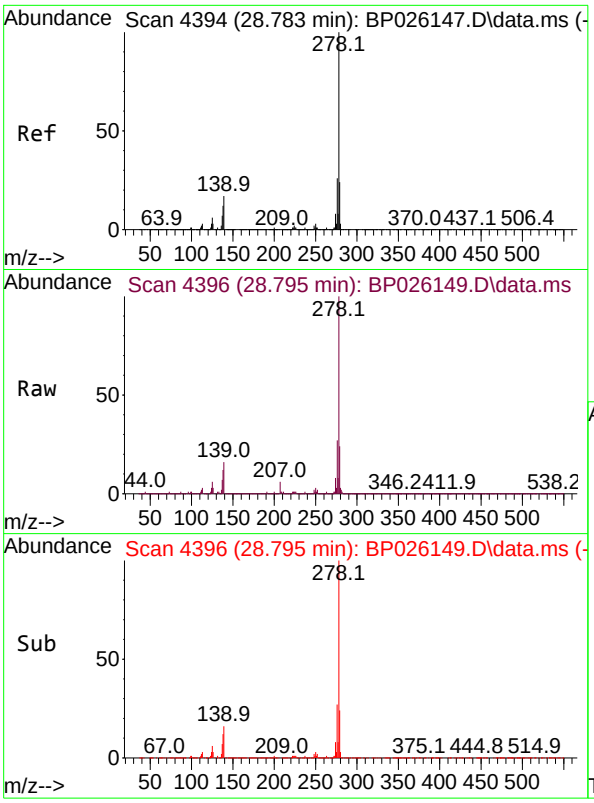


#90
Benzo(a)pyrene
Concen: 59.626 ng
RT: 24.765 min Scan# 3711
Delta R.T. 0.012 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:252 Resp: 6987741

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	11.8	9.0	13.6

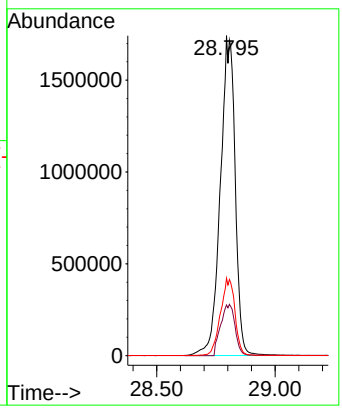




#91
Dibenzo(a,h)anthracene
Concen: 61.180 ng
RT: 28.795 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:278 Resp: 759069

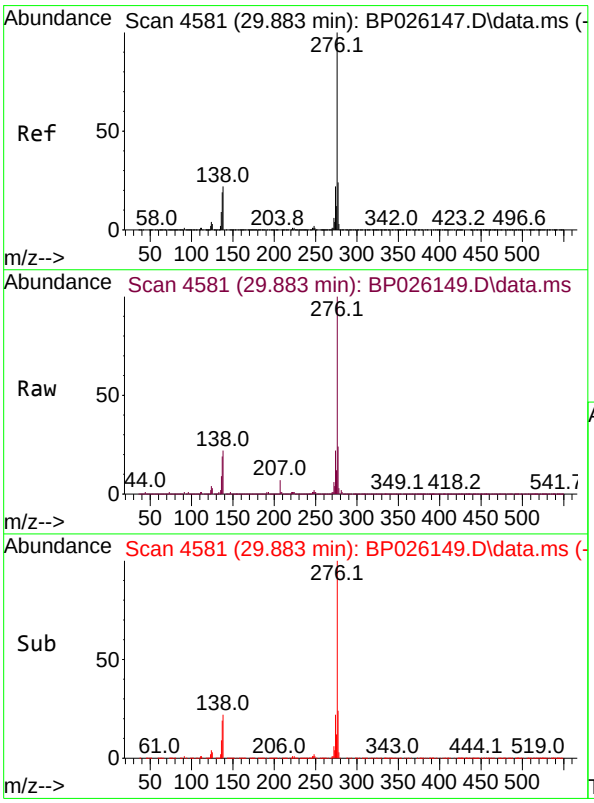
Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.2	19.8
279	24.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

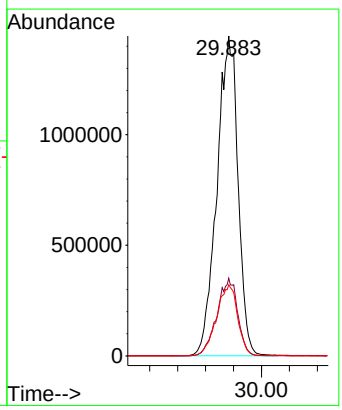
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 61.561 ng
RT: 29.883 min Scan# 4581
Delta R.T. 0.000 min
Lab File: BP026149.D
Acq: 18 Nov 2025 20:00

Tgt Ion:276 Resp: 7581255

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	22.2	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026150.D
Acq On : 18 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:15:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.672	152	345750	20.000	ng		0.00
21) Naphthalene-d8	10.437	136	1443668	20.000	ng		-0.01
39) Acenaphthene-d10	14.319	164	916253	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1816815	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1872355	20.000	ng		0.01
86) Perylene-d12	24.907	264	2234365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	3442714	159.776	ng		0.00
7) Phenol-d6	6.855	99	4415130	160.812	ng		0.00
23) Nitrobenzene-d5	8.819	82	4033252	158.440	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	1917042	161.460	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	9156268	145.791	ng		0.00
79) Terphenyl-d14	19.866	244	12964447	141.200	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.225	88	682656	77.877	ng		99
3) Pyridine	3.619	79	2016163	79.785	ng		98
4) n-Nitrosodimethylamine	3.525	42	746299	79.241	ng		97
6) Aniline	7.008	93	2927759	80.951	ng		99
8) 2-Chlorophenol	7.249	128	2009119	81.986	ng		99
9) Benzaldehyde	6.819	77	930739	78.716	ng		99
10) Phenol	6.884	94	2391614	80.950	ng		99
11) bis(2-Chloroethyl)ether	7.108	93	1867638	81.013	ng		99
12) 1,3-Dichlorobenzene	7.566	146	2099884	79.578	ng		100
13) 1,4-Dichlorobenzene	7.708	146	2115552	79.609	ng		99
14) 1,2-Dichlorobenzene	8.019	146	2024908	79.210	ng		99
15) Benzyl Alcohol	7.907	79	1621861	80.734	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.196	45	2616851	80.284	ng		99
17) 2-Methylphenol	8.113	107	1634861	81.249	ng		100
18) Hexachloroethane	8.737	117	803419	82.952	ng		97
19) n-Nitroso-di-n-propyla...	8.478	70	1364163	79.788	ng		100
20) 3+4-Methylphenols	8.437	107	2230760	79.724	ng		99
22) Acetophenone	8.484	105	2844696	77.453	ng	#	99
24) Nitrobenzene	8.855	77	2043562	79.321	ng		99
25) Isophorone	9.384	82	4022278	79.581	ng		99
26) 2-Nitrophenol	9.560	139	1116252	85.938	ng		98
27) 2,4-Dimethylphenol	9.625	122	1863595	79.196	ng		100
28) bis(2-Chloroethoxy)met...	9.860	93	2515997	79.503	ng		99
29) 2,4-Dichlorophenol	10.090	162	1895607	80.853	ng		99
30) 1,2,4-Trichlorobenzene	10.302	180	1895013	79.315	ng		99
31) Naphthalene	10.490	128	6074938	77.497	ng		99
32) Benzoic acid	9.813	122	1646676	86.975	ng		99
33) 4-Chloroaniline	10.596	127	2640734	79.361	ng		99
34) Hexachlorobutadiene	10.784	225	1266129	81.448	ng		99
35) Caprolactam	11.401	113	653660	77.424	ng		98
36) 4-Chloro-3-methylphenol	11.731	107	1972354	79.070	ng		99
37) 2-Methylnaphthalene	12.107	142	4297114	77.446	ng		99
38) 1-Methylnaphthalene	12.331	142	4151377	76.467	ng		99
40) 1,2,4,5-Tetrachloroben...	12.484	216	2208451	79.984	ng		100
41) Hexachlorocyclopentadiene	12.466	237	1597193	88.626	ng		99
43) 2,4,6-Trichlorophenol	12.719	196	1541092	81.106	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026150.D
Acq On : 18 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:15:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	1713807	80.887	ng	99
46) 1,1'-Biphenyl	13.137	154	5350939	77.807	ng	100
47) 2-Chloronaphthalene	13.178	162	4259277	78.776	ng	100
48) 2-Nitroaniline	13.372	65	1240952	82.186	ng	99
49) Acenaphthylene	14.031	152	6984601	78.077	ng	99
50) Dimethylphthalate	13.772	163	5358389	78.482	ng	100
51) 2,6-Dinitrotoluene	13.890	165	1168229	86.521	ng	98
52) Acenaphthene	14.384	154	3961645	75.720	ng	99
53) 3-Nitroaniline	14.225	138	1328194	83.269	ng	97
54) 2,4-Dinitrophenol	14.419	184	762088	94.087	ng	96
55) Dibenzofuran	14.725	168	6063394	74.160	ng	99
56) 4-Nitrophenol	14.542	139	1160755	80.163	ng	98
57) 2,4-Dinitrotoluene	14.684	165	1681172	82.824	ng	99
58) Fluorene	15.389	166	4642250	71.825	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	1442428	80.377	ng	99
60) Diethylphthalate	15.172	149	5369309	77.587	ng	99
61) 4-Chlorophenyl-phenyle...	15.389	204	2373384	73.978	ng	97
62) 4-Nitroaniline	15.413	138	1312938	78.639	ng	99
63) Azobenzene	15.689	77	4543203	78.140	ng	100
65) 4,6-Dinitro-2-methylph...	15.466	198	1027969	89.911	ng	95
66) n-Nitrosodiphenylamine	15.613	169	4431692	78.838	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	1665615	82.958	ng	99
68) Hexachlorobenzene	16.419	284	1914891	82.547	ng	97
69) Atrazine	16.589	200	1724863	81.486	ng	99
70) Pentachlorophenol	16.772	266	1361754	83.671	ng	100
71) Phenanthrene	17.166	178	7901401	76.873	ng	99
72) Anthracene	17.266	178	8010628	76.308	ng	98
73) Carbazole	17.542	167	7481751	75.335	ng	98
74) Di-n-butylphthalate	18.154	149	9375432	79.539	ng	99
75) Fluoranthene	19.260	202	9351568	74.439	ng	99
77) Benzidine	19.466	184	3802265	65.974	ng	99
78) Pyrene	19.636	202	9565086	78.406	ng	98
80) Butylbenzylphthalate	20.607	149	4393302	80.859	ng	99
81) Benzo(a)anthracene	21.560	228	9949146	77.479	ng	99
82) 3,3'-Dichlorobenzidine	21.483	252	3556791	76.221	ng	99
83) Chrysene	21.630	228	9412347	77.856	ng	98
84) Bis(2-ethylhexyl)phtha...	21.519	149	6825162	83.686	ng	99
85) Di-n-octyl phthalate	22.807	149	11864727	82.666	ng	99
87) Indeno(1,2,3-cd)pyrene	28.712	276	13504257m	81.129	ng	
88) Benzo(b)fluoranthene	23.871	252	10544016	77.620	ng	99
89) Benzo(k)fluoranthene	23.942	252	10628665	78.288	ng	100
90) Benzo(a)pyrene	24.765	252	10207772	79.216	ng	99
91) Dibenzo(a,h)anthracene	28.801	278	11012037	80.721	ng	100
92) Benzo(g,h,i)perylene	29.906	276	11030115	81.458	ng	99

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

ICAL Form

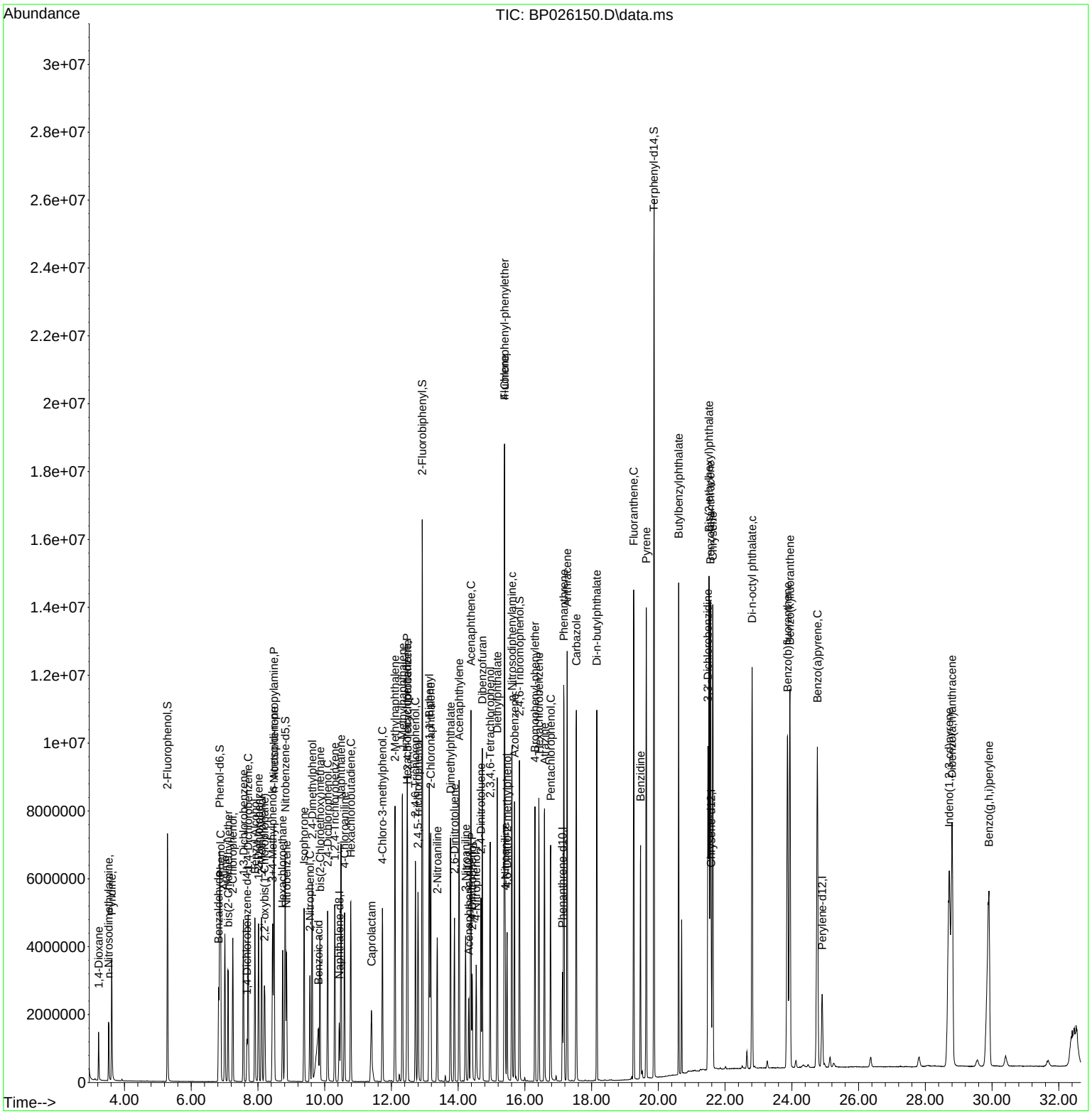
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026150.D
Acq On : 18 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

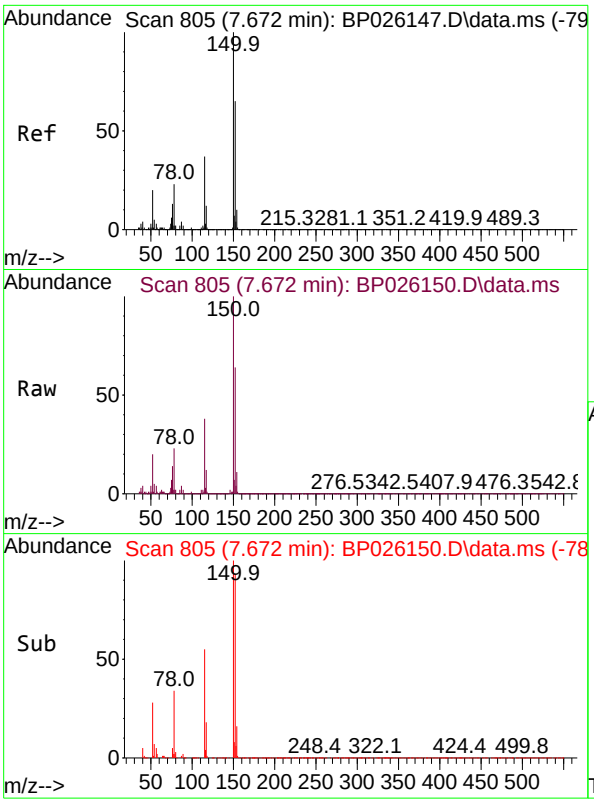
Quant Time: Nov 19 01:15:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:06:38 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

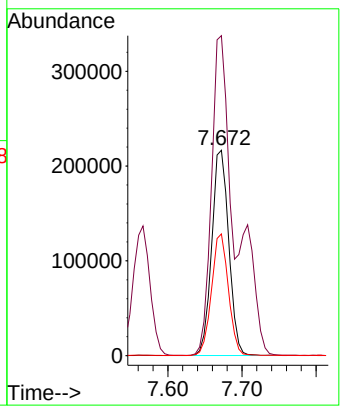




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:152 Resp: 34575

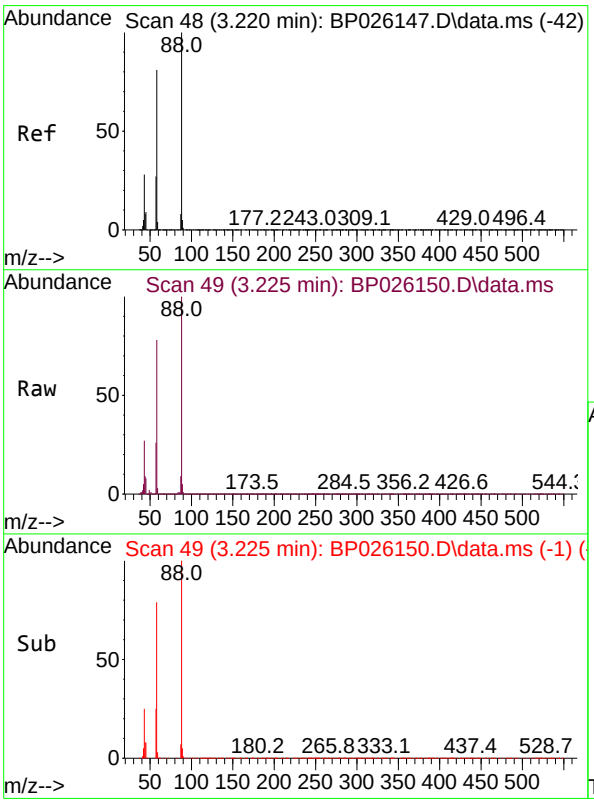
Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.0	184.6
115	59.3	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

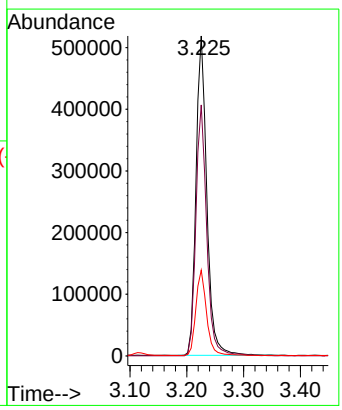
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

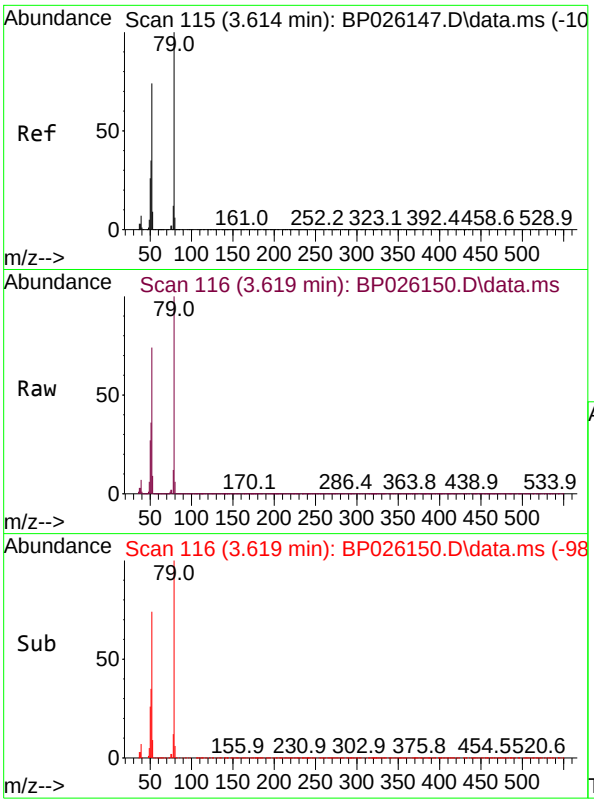


#2
1,4-Dioxane
Concen: 77.877 ng
RT: 3.225 min Scan# 49
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 88 Resp: 682656

Ion	Ratio	Lower	Upper
88	100		
58	78.9	64.2	96.4
43	26.6	21.5	32.3

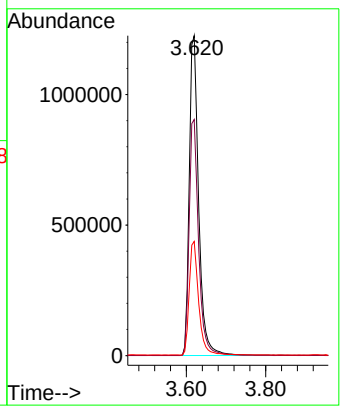




#3
Pyridine
Concen: 79.785 ng
RT: 3.619 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 79 Resp: 201616

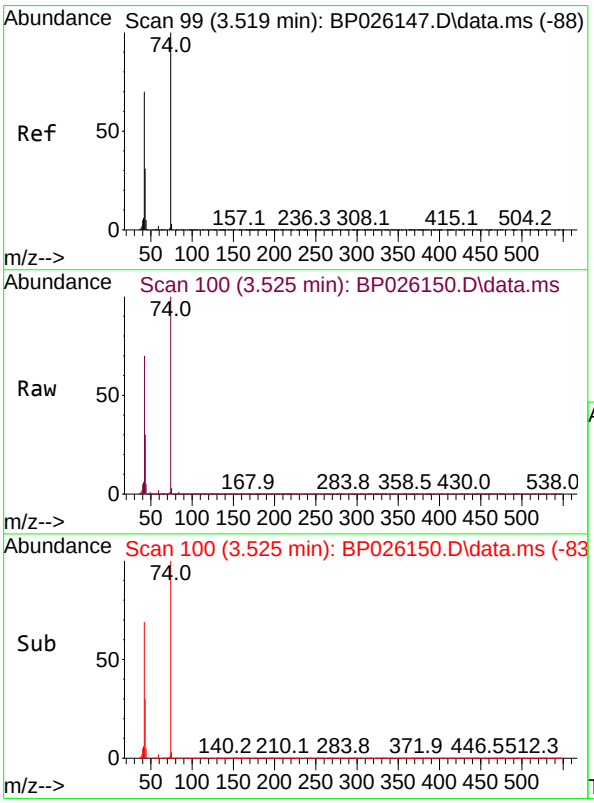
Ion	Ratio	Lower	Upper
79	100		
52	73.8	60.2	90.2
51	35.7	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

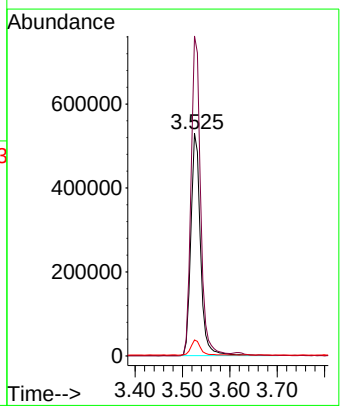
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

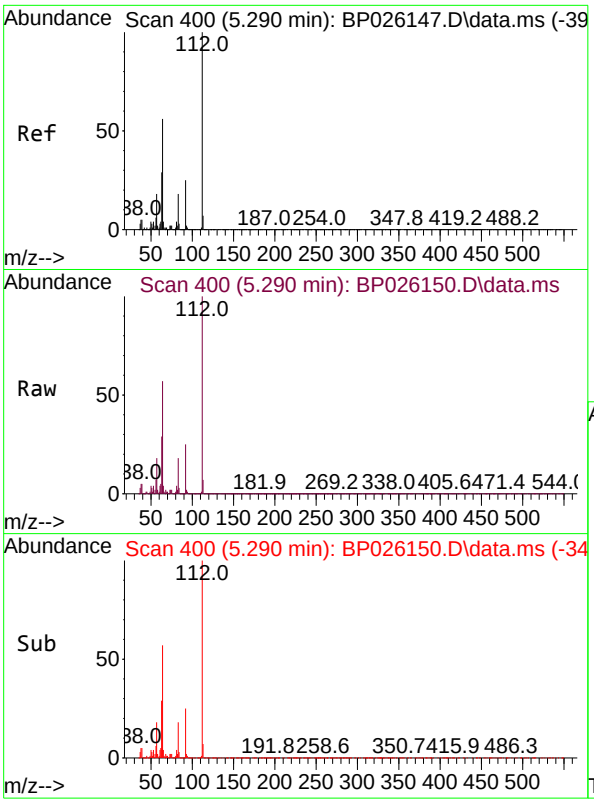


#4
n-Nitrosodimethylamine
Concen: 79.241 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 42 Resp: 746299

Ion	Ratio	Lower	Upper
42	100		
74	143.8	118.1	177.1
44	7.1	6.2	9.4

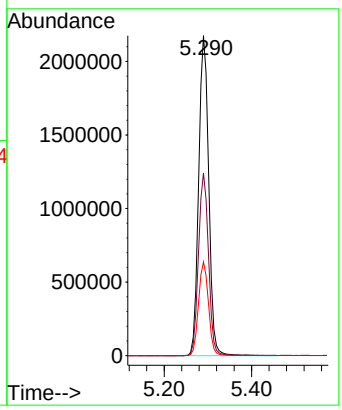




#5
2-Fluorophenol
Concen: 159.776 ng
RT: 5.290 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:112 Resp: 344271

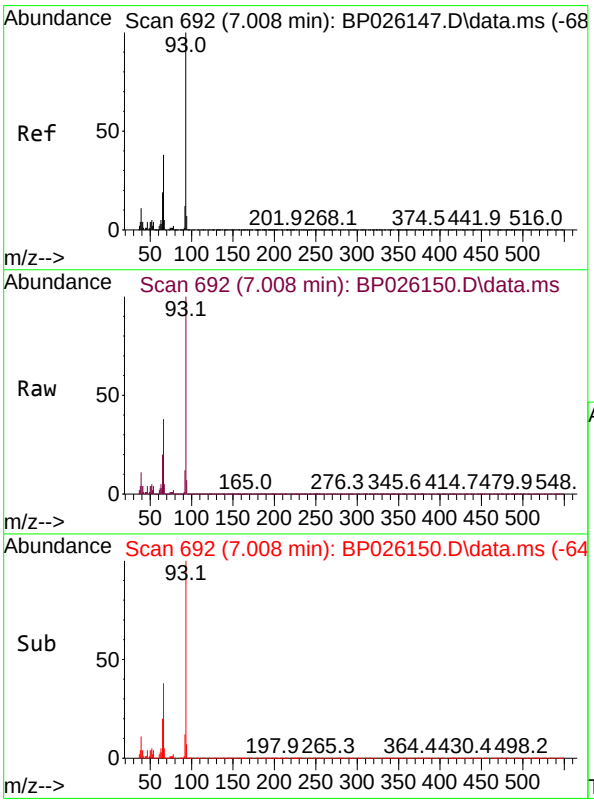
Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.8	68.6
63	29.3	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

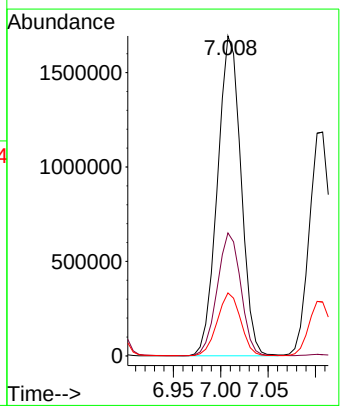
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

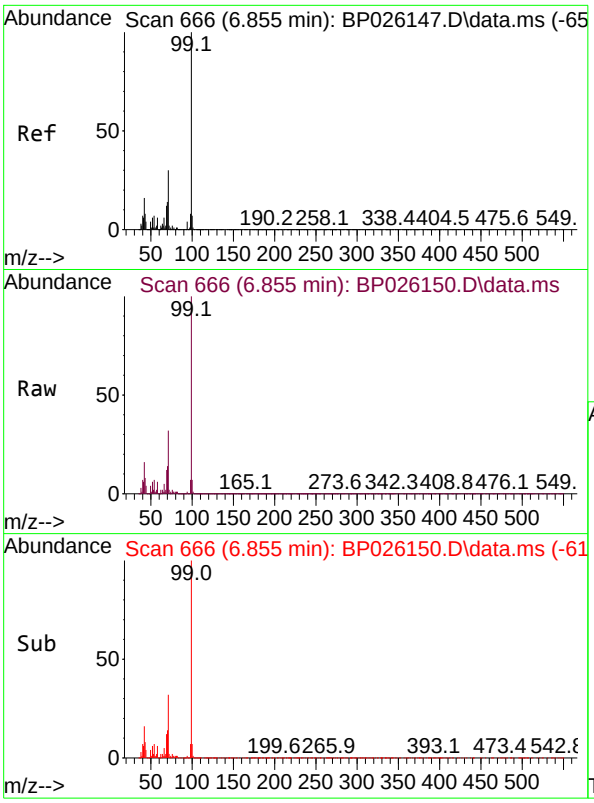


#6
Aniline
Concen: 80.951 ng
RT: 7.008 min Scan# 692
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 93 Resp: 2927759

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.7	47.5
65	19.7	15.8	23.6

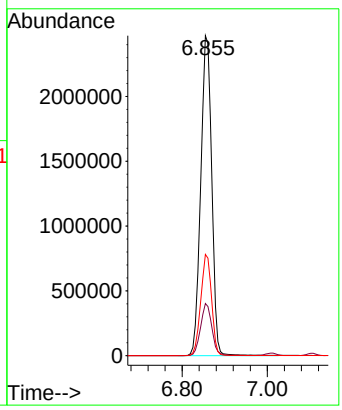




#7
Phenol-d6
Concen: 160.812 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 99 Resp: 441513

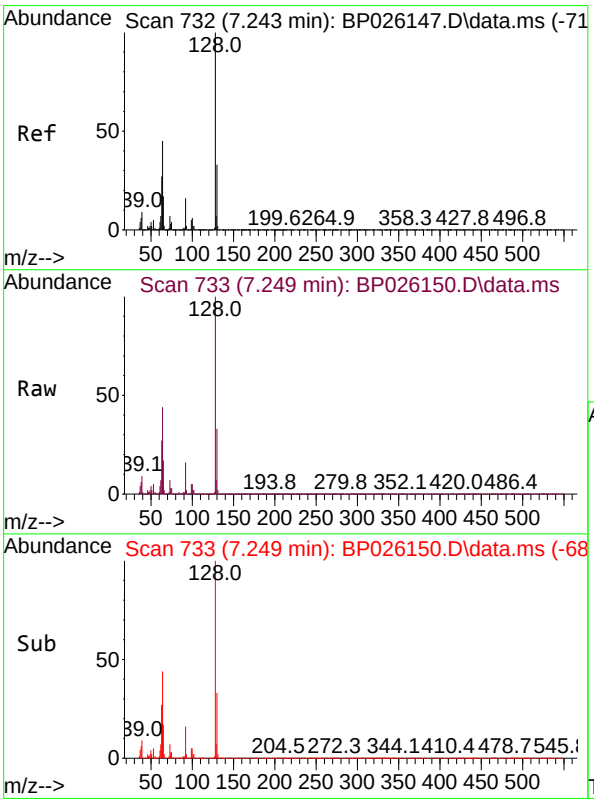
Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.9	19.3
71	31.6	24.8	37.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

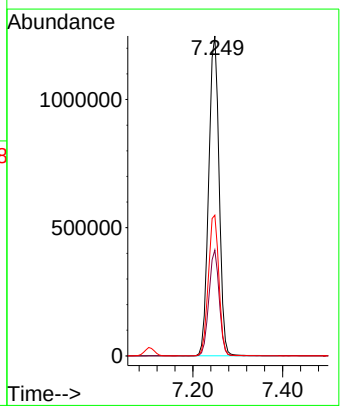
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

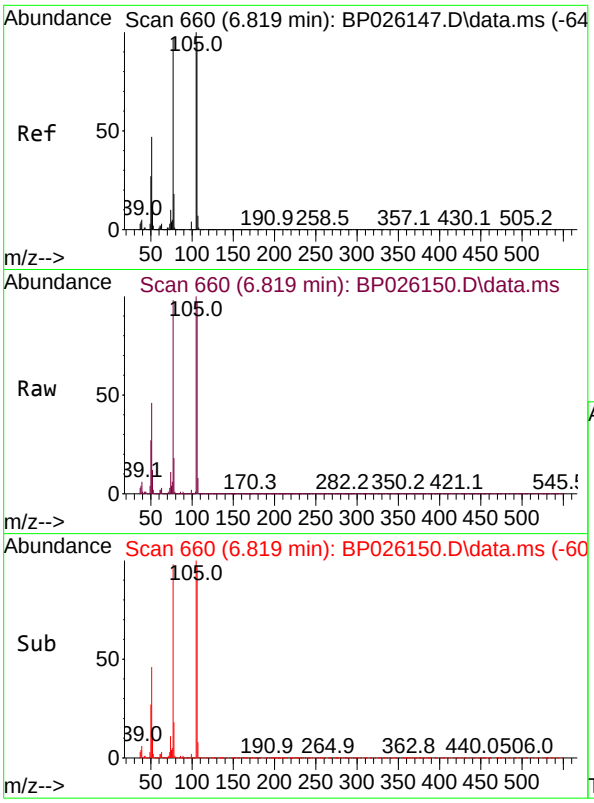


#8
2-Chlorophenol
Concen: 81.986 ng
RT: 7.249 min Scan# 733
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:128 Resp: 2009119

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.4	52.4
64	44.0	23.9	63.9

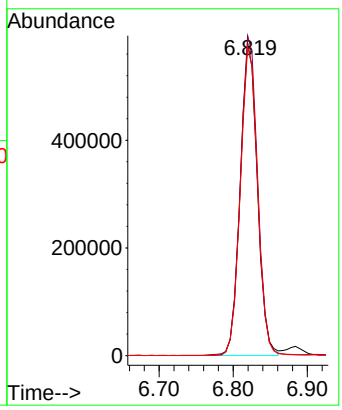




#9
Benzaldehyde
Concen: 78.716 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 77 Resp: 93073

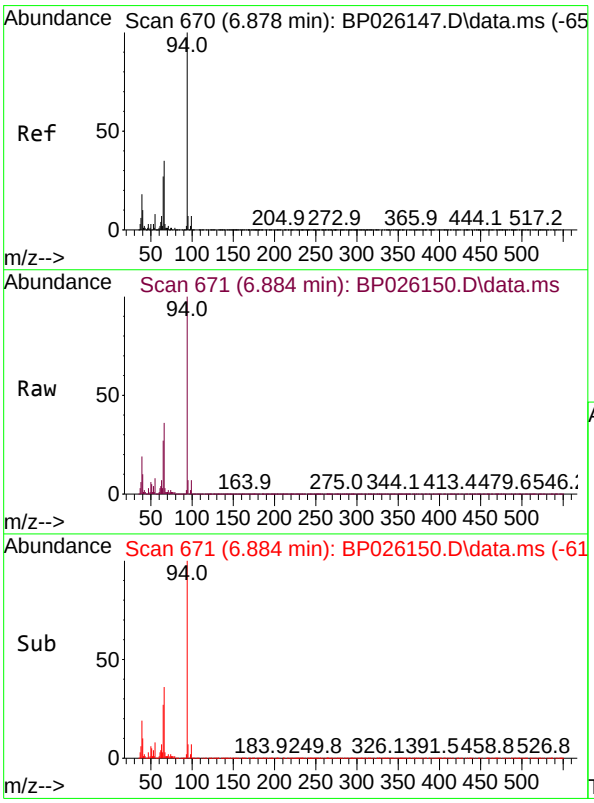
Ion	Ratio	Lower	Upper
77	100		
105	102.4	82.9	122.9
106	98.9	77.8	117.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

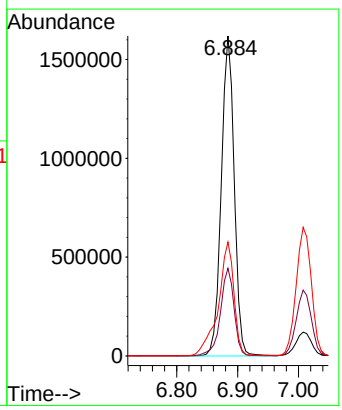
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

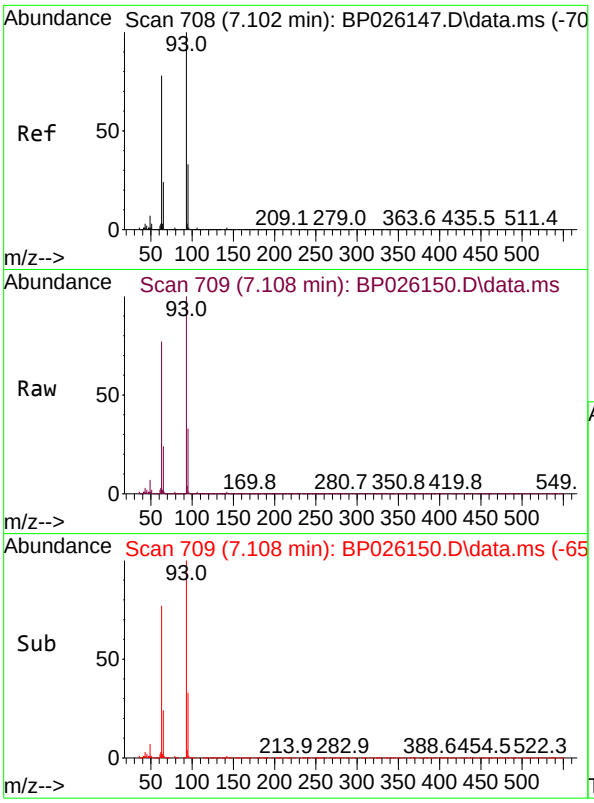


#10
Phenol
Concen: 80.950 ng
RT: 6.884 min Scan# 671
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 94 Resp: 2391614

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.0	47.0
66	35.6	14.5	54.5

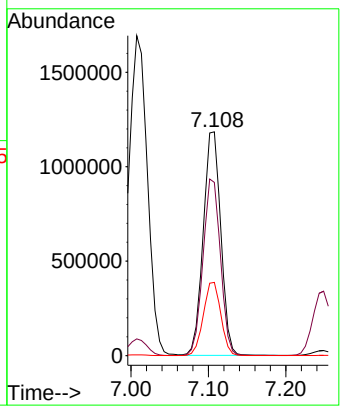




#11
bis(2-Chloroethyl)ether
Concen: 81.013 ng
RT: 7.108 min Scan# 7
Delta R.T. 0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 93 Resp: 186763

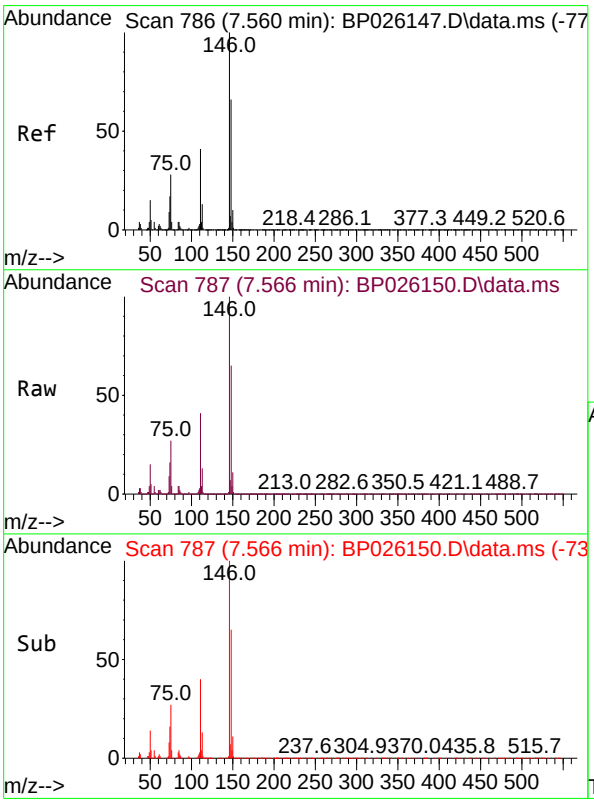
Ion	Ratio	Lower	Upper
93	100		
63	77.4	58.8	98.8
95	32.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

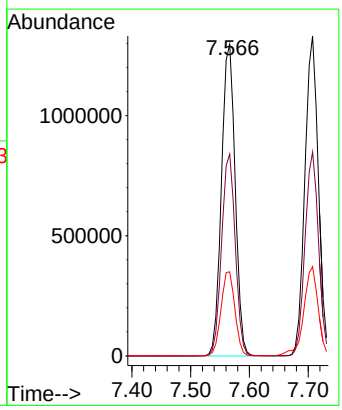
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

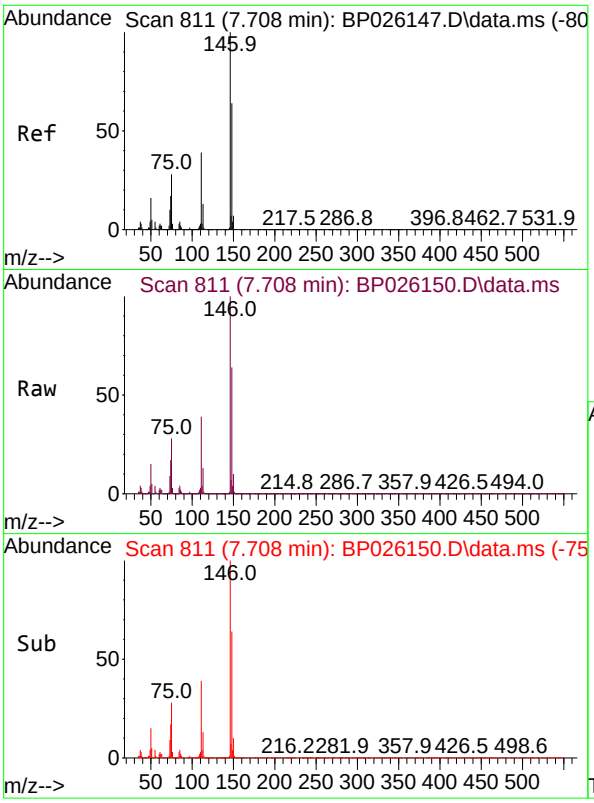


#12
1,3-Dichlorobenzene
Concen: 79.578 ng
RT: 7.566 min Scan# 787
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:146 Resp: 2099884

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	27.0	22.2	33.2





#13
1,4-Dichlorobenzene
Concen: 79.609 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

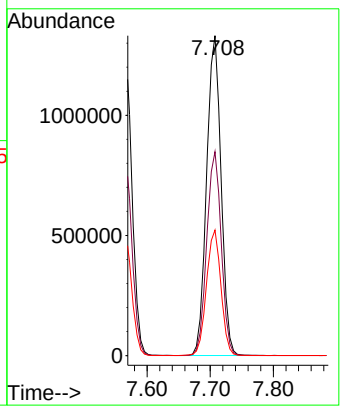
Tgt Ion:146 Resp: 211555

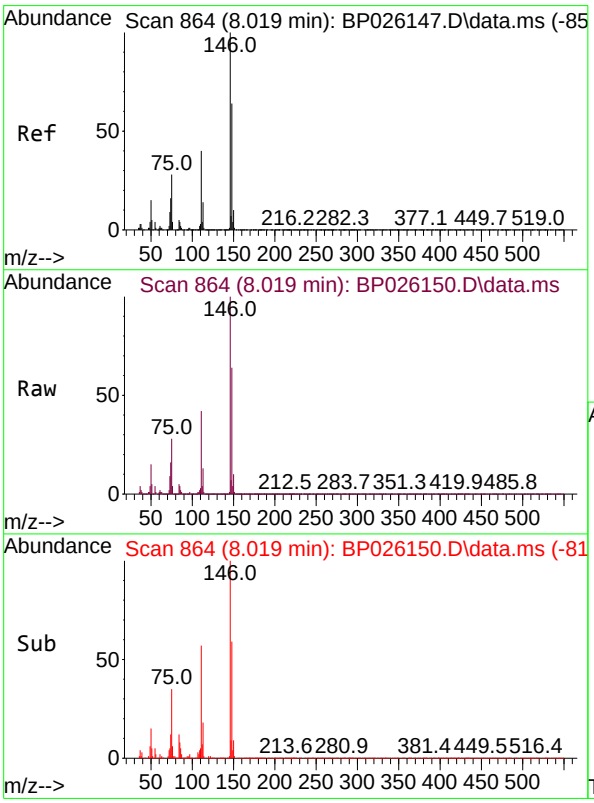
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	39.2	31.7	47.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

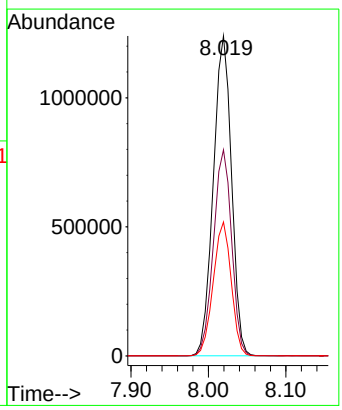


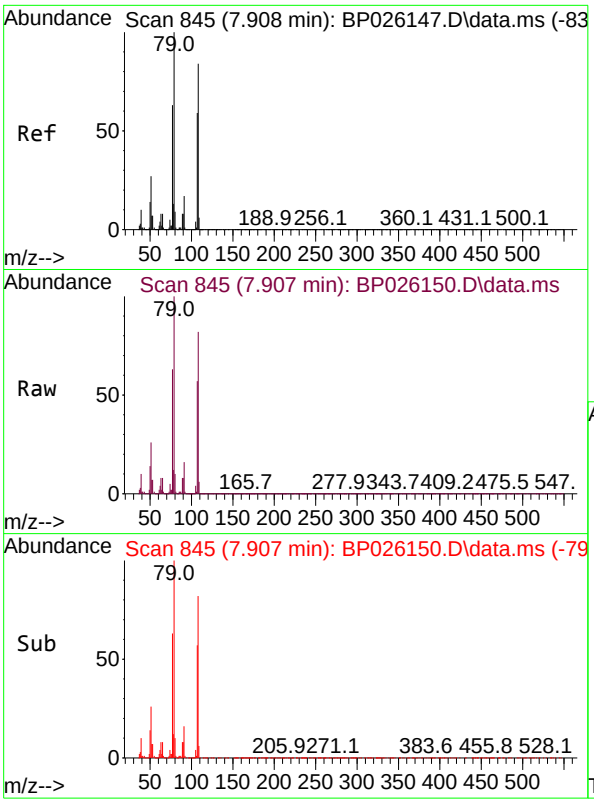


#14
1,2-Dichlorobenzene
Concen: 79.210 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:146 Resp: 2024908

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	41.8	33.0	49.4

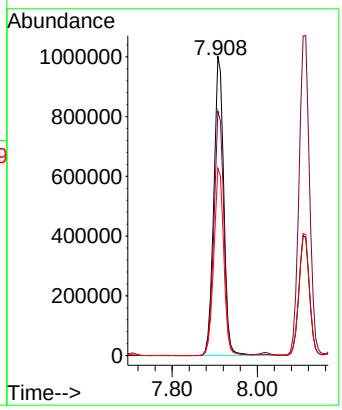




#15
Benzyl Alcohol
Concen: 80.734 ng
RT: 7.907 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 79 Resp: 162186

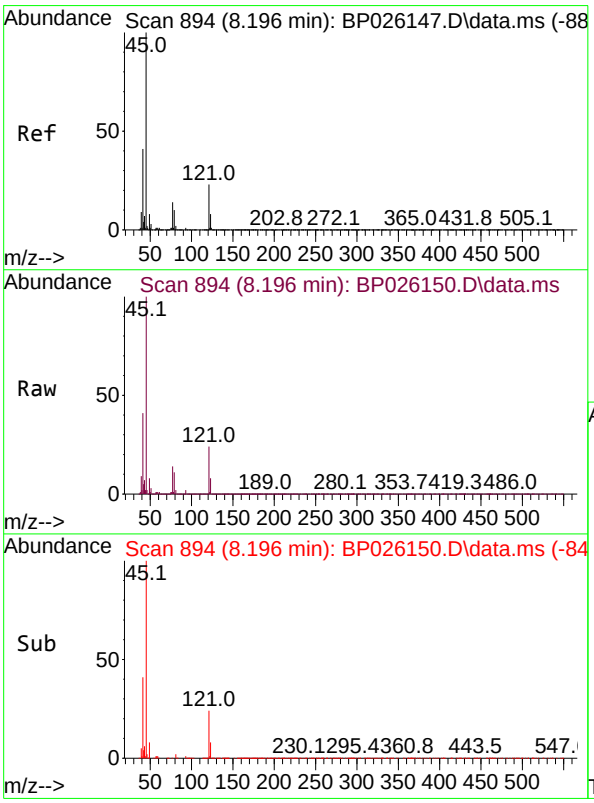
Ion	Ratio	Lower	Upper
79	100		
108	81.6	66.2	99.4
77	62.5	50.0	75.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

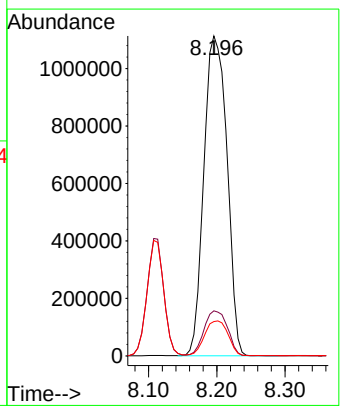
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

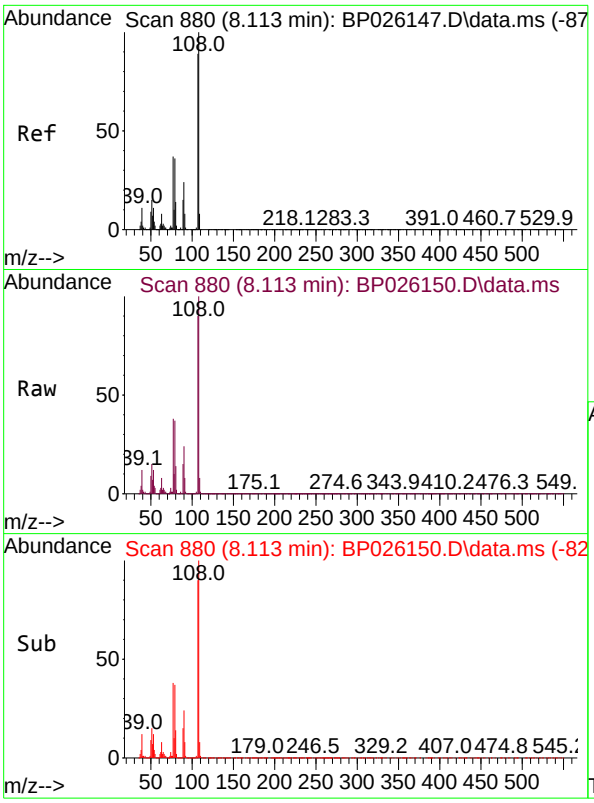


#16
2,2'-oxybis(1-Chloropropane)
Concen: 80.284 ng
RT: 8.196 min Scan# 894
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 45 Resp: 2616851

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.9
79	10.7	0.0	30.4

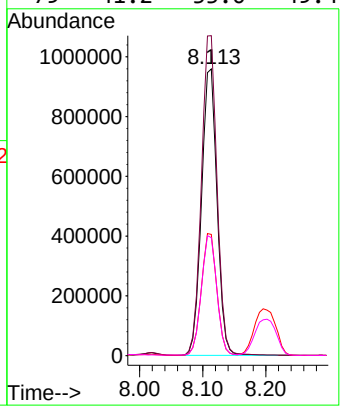




#17
2-Methylphenol
Concen: 81.249 ng
RT: 8.113 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:107 Resp: 163486

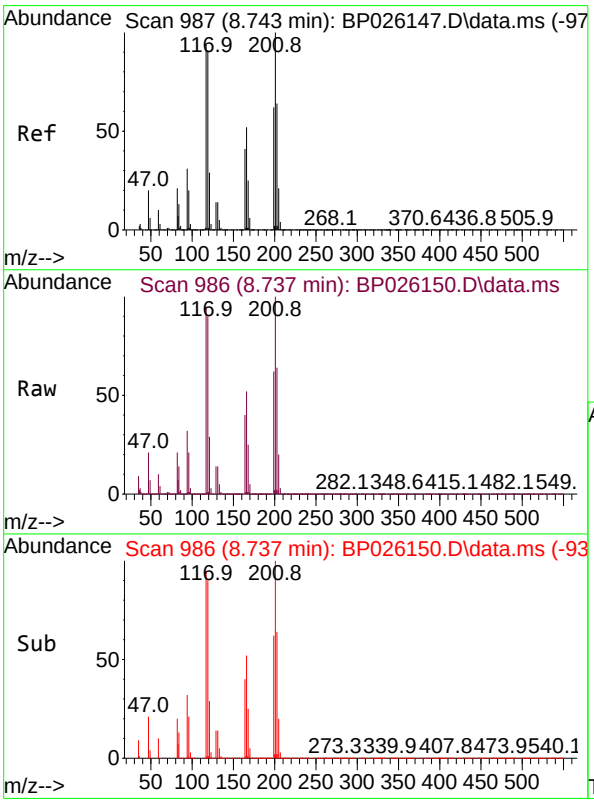
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.7	134.5
77	42.3	33.9	50.9
79	41.2	33.0	49.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

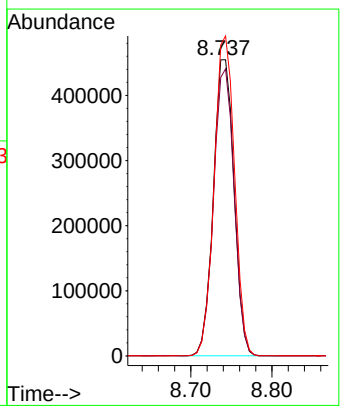
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

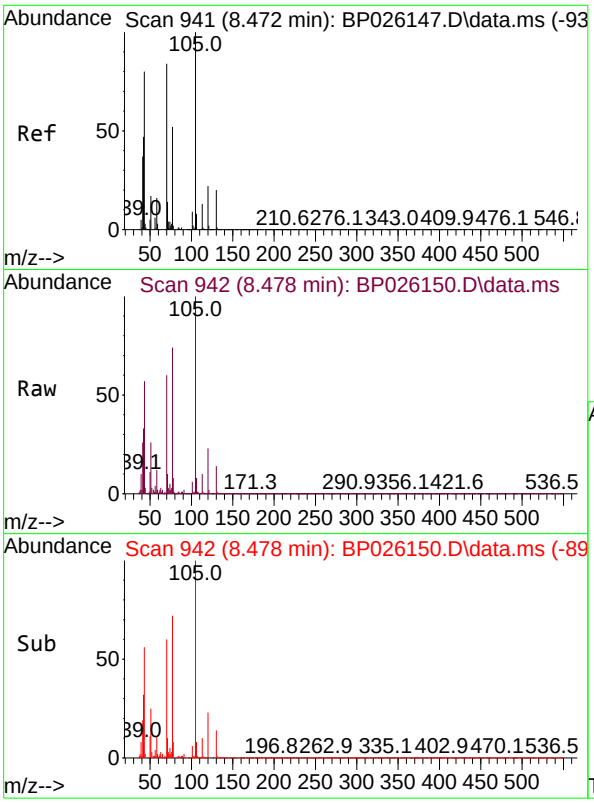


#18
Hexachloroethane
Concen: 82.952 ng
RT: 8.737 min Scan# 986
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:117 Resp: 803419

Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.7	118.1
201	105.0	85.1	127.7

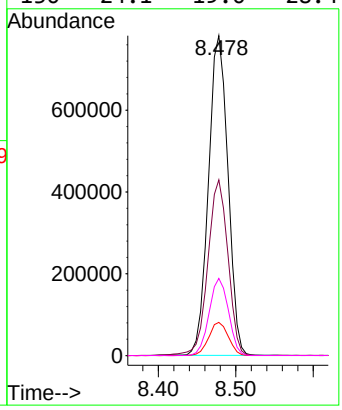




#19
n-Nitroso-di-n-propylamine
Concen: 79.788 ng
RT: 8.478 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 70 Resp: 136416

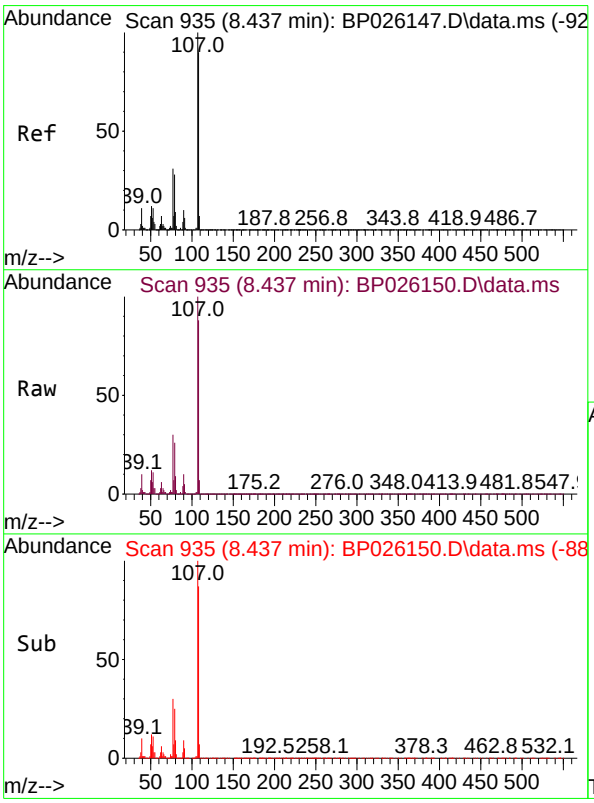
Ion	Ratio	Lower	Upper
70	100		
42	54.9	44.1	66.1
101	10.4	8.2	12.4
130	24.1	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

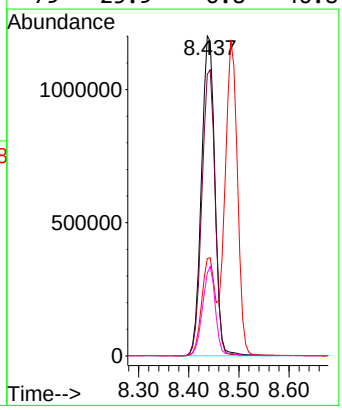
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

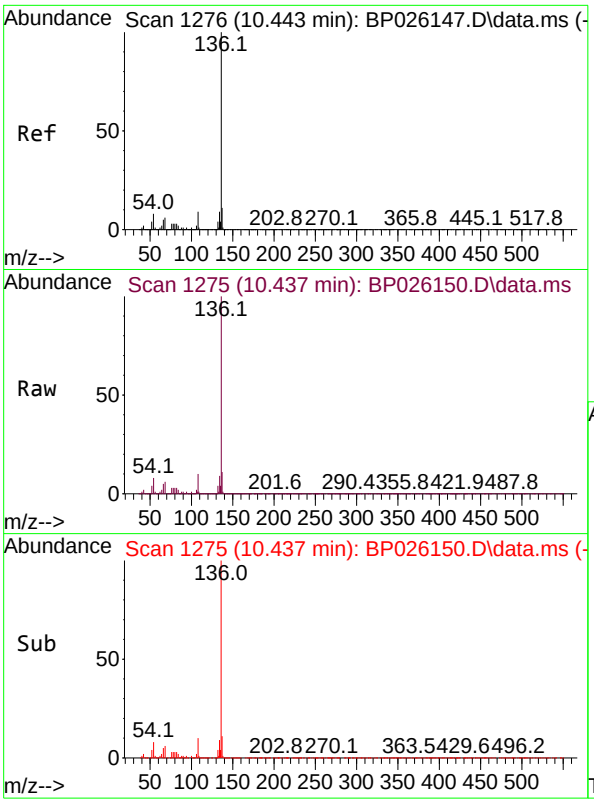


#20
3+4-Methylphenols
Concen: 79.724 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:107 Resp: 2230760

Ion	Ratio	Lower	Upper
107	100		
108	88.0	68.9	108.9
77	30.4	10.4	50.4
79	25.9	6.8	46.8

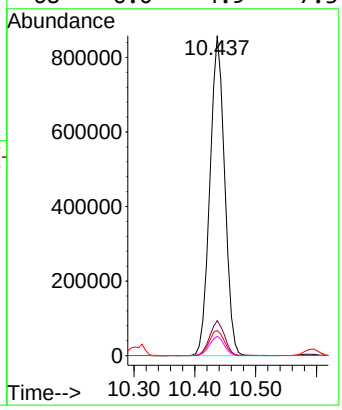




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.437 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:136 Resp: 144366

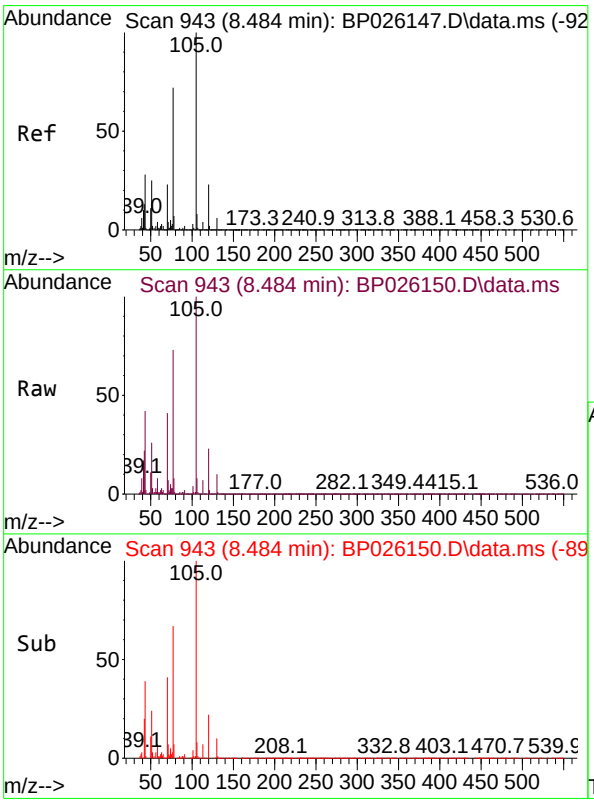
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.8	6.4	9.6
68	6.0	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

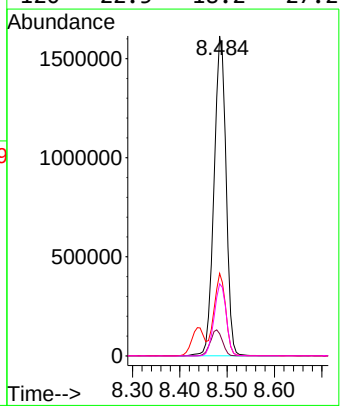
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

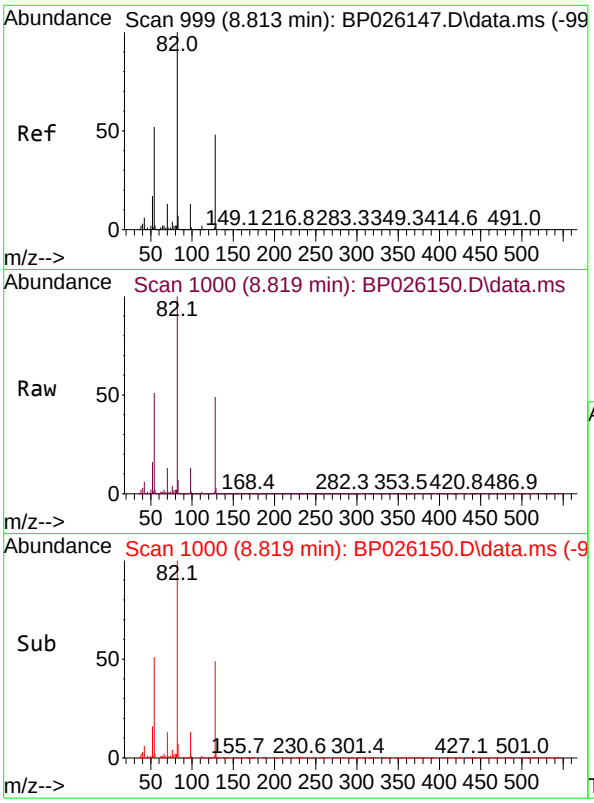


#22
Acetophenone
Concen: 77.453 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:105 Resp: 2844696

Ion	Ratio	Lower	Upper
105	100		
71	7.0	3.0	4.4#
51	25.8	20.5	30.7
120	22.5	18.2	27.2

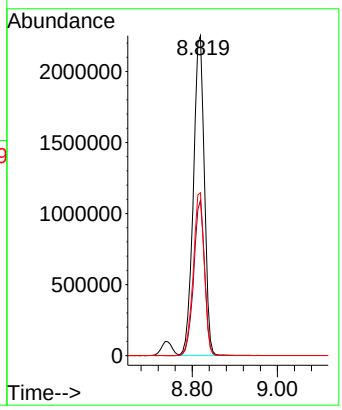




#23
Nitrobenzene-d5
Concen: 158.440 ng
RT: 8.819 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 82 Resp: 403325

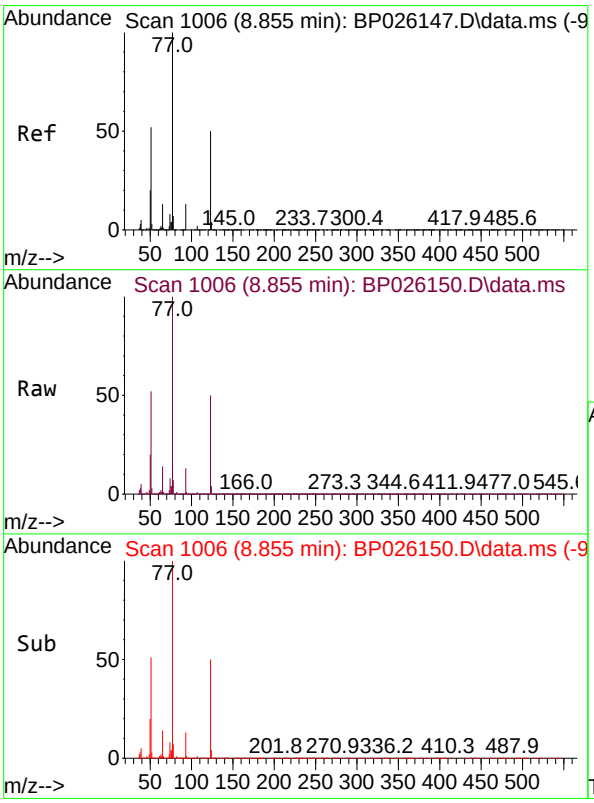
Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.4	56.0
54	50.9	41.6	62.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

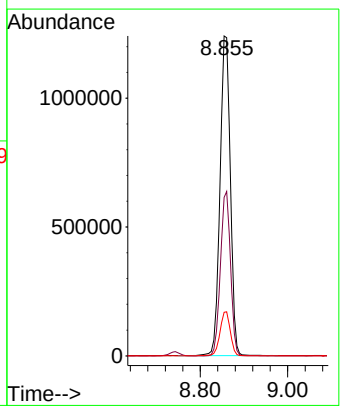
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

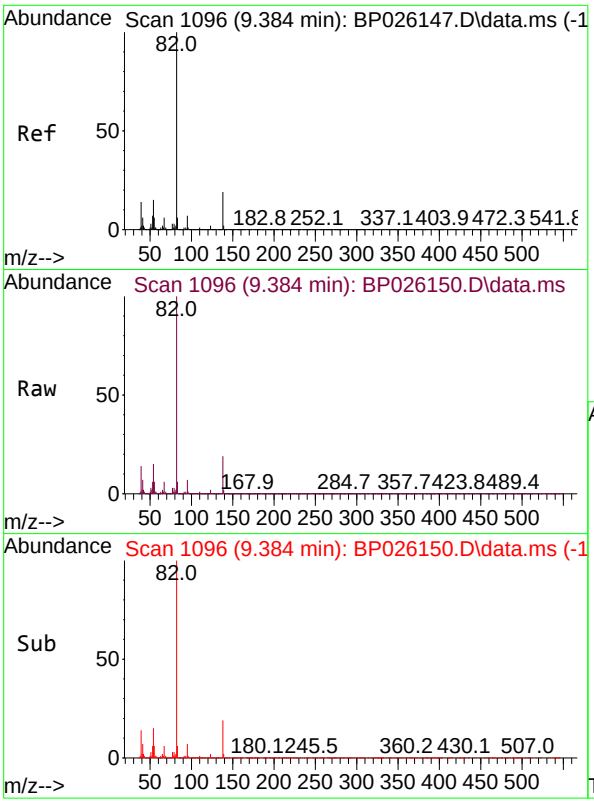


#24
Nitrobenzene
Concen: 79.321 ng
RT: 8.855 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 77 Resp: 2043562

Ion	Ratio	Lower	Upper
77	100		
123	49.5	39.8	59.8
65	13.6	11.2	16.8

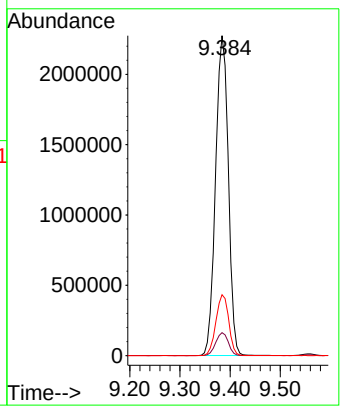




#25
Isophorone
Concen: 79.581 ng
RT: 9.384 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 82 Resp: 402227

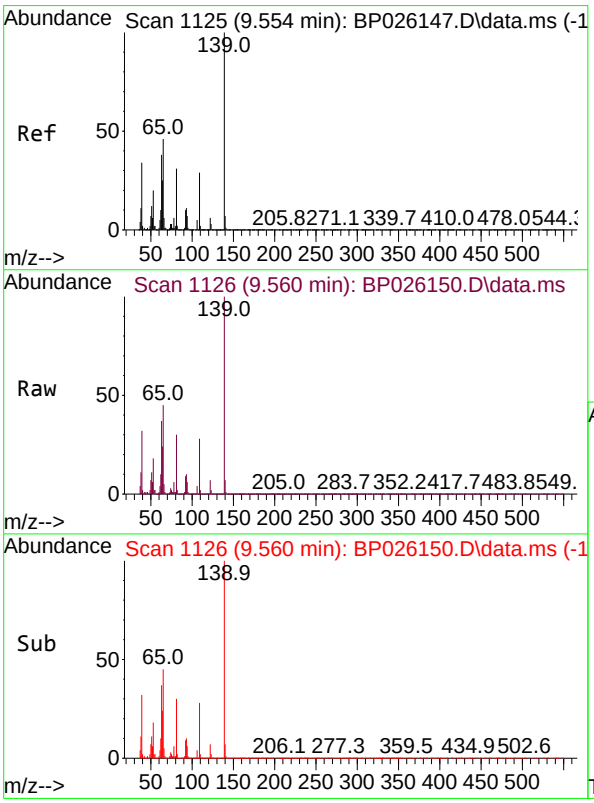
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.4	8.0
138	19.0	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

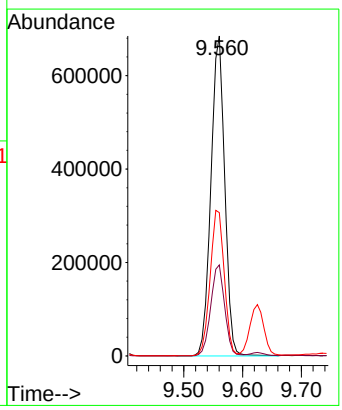
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

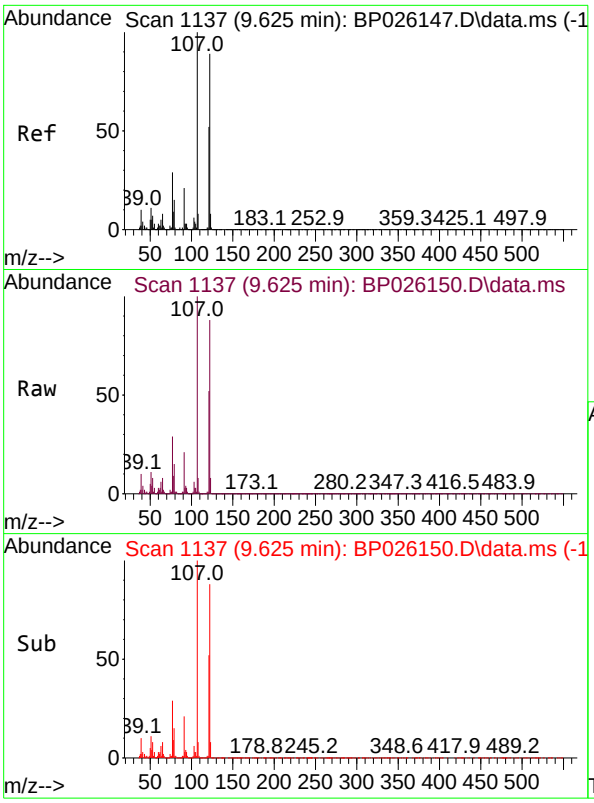


#26
2-Nitrophenol
Concen: 85.938 ng
RT: 9.560 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:139 Resp: 1116252

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.3	33.5
65	44.8	37.2	55.8





#27
2,4-Dimethylphenol
Concen: 79.196 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

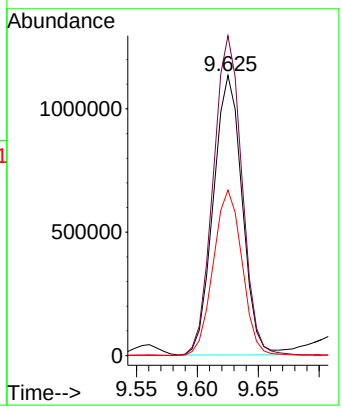
Tgt Ion:122 Resp: 186359

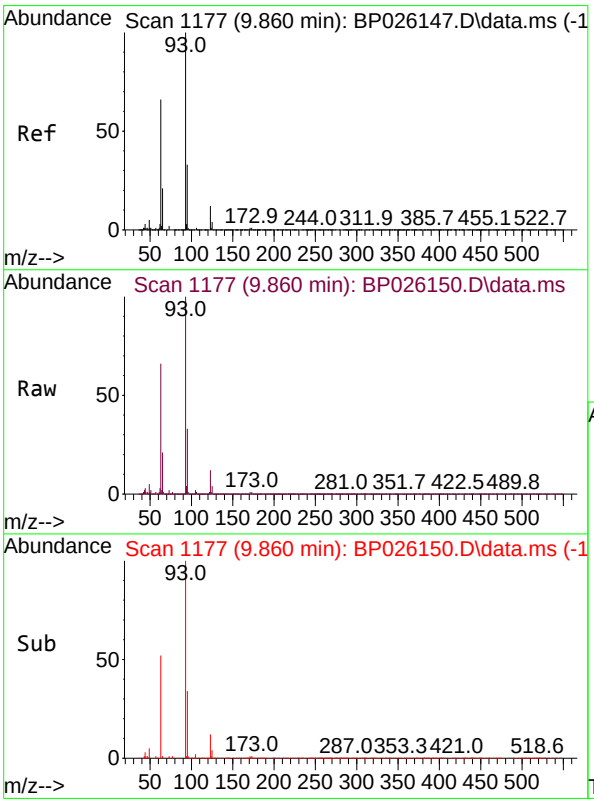
Ion	Ratio	Lower	Upper
122	100		
107	114.2	91.0	136.6
121	59.1	47.0	70.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

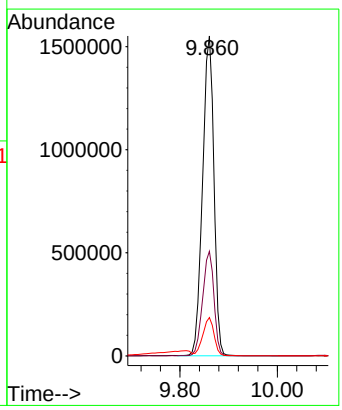


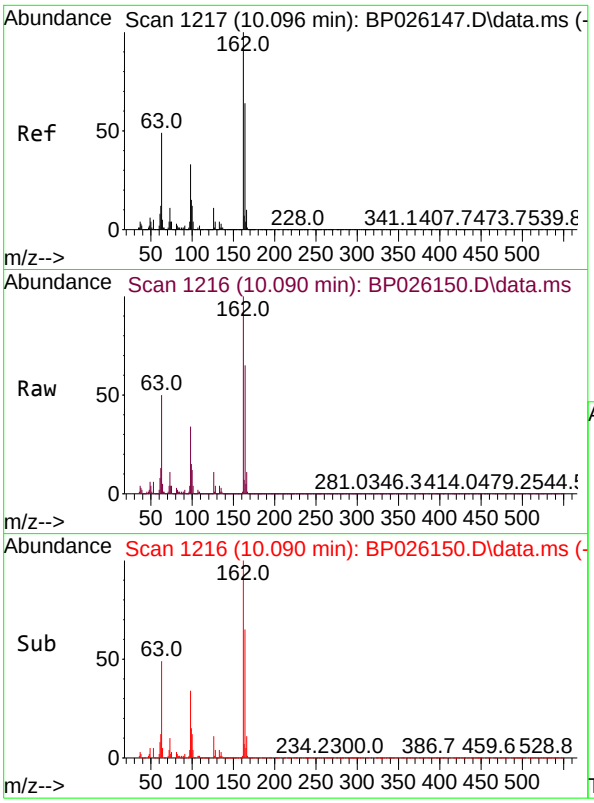


#28
bis(2-Chloroethoxy)methane
Concen: 79.503 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 93 Resp: 2515997

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	12.0	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 80.853 ng
RT: 10.090 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

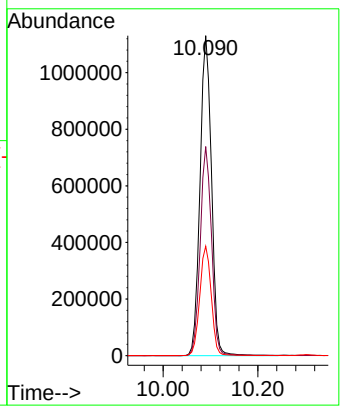
Tgt Ion:162 Resp: 189560

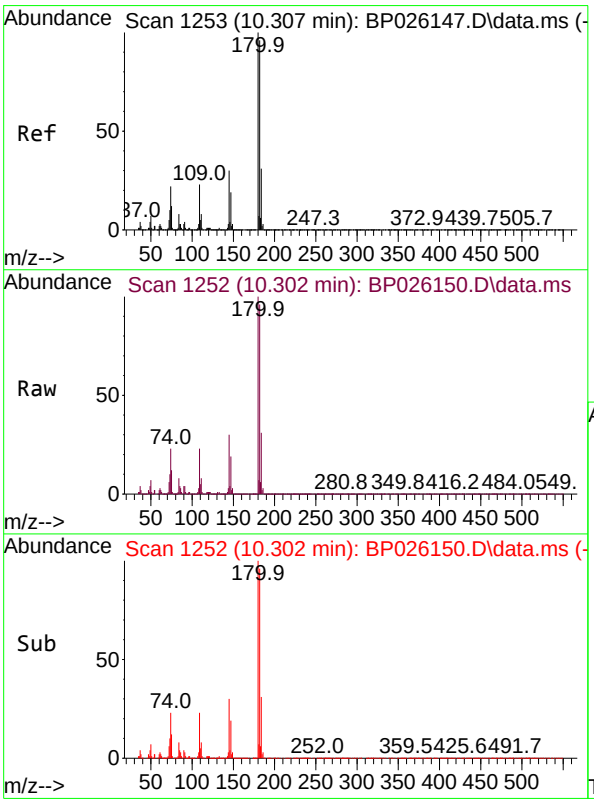
Ion	Ratio	Lower	Upper
162	100		
164	65.3	43.8	83.8
98	34.2	14.1	54.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

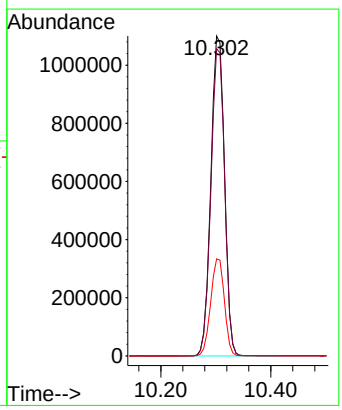


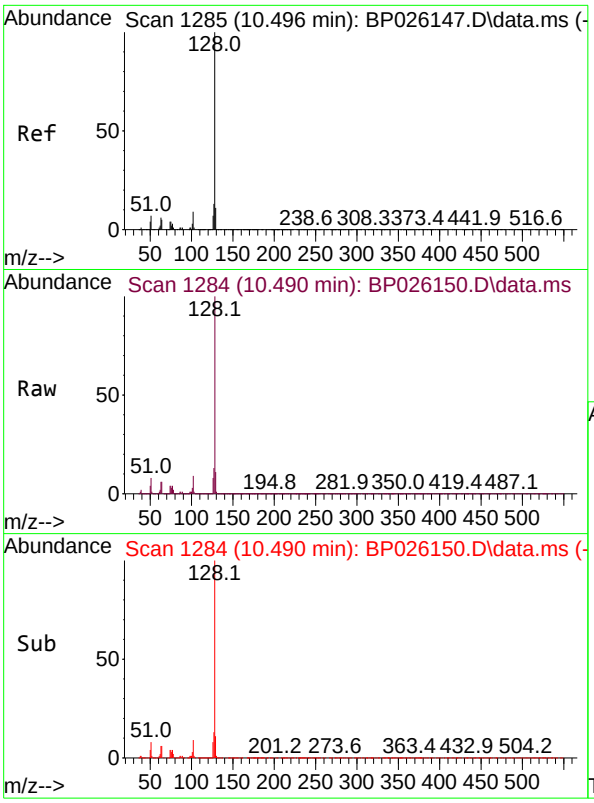


#30
1,2,4-Trichlorobenzene
Concen: 79.315 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:180 Resp: 1895013

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.1	117.1
145	30.3	24.2	36.4

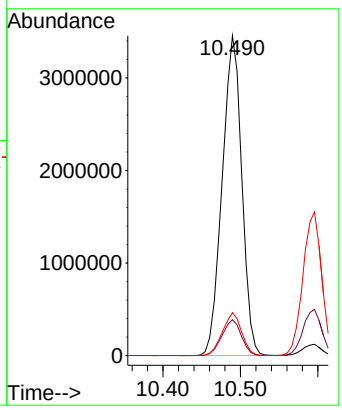




#31
Naphthalene
Concen: 77.497 ng
RT: 10.490 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:128 Resp: 607493

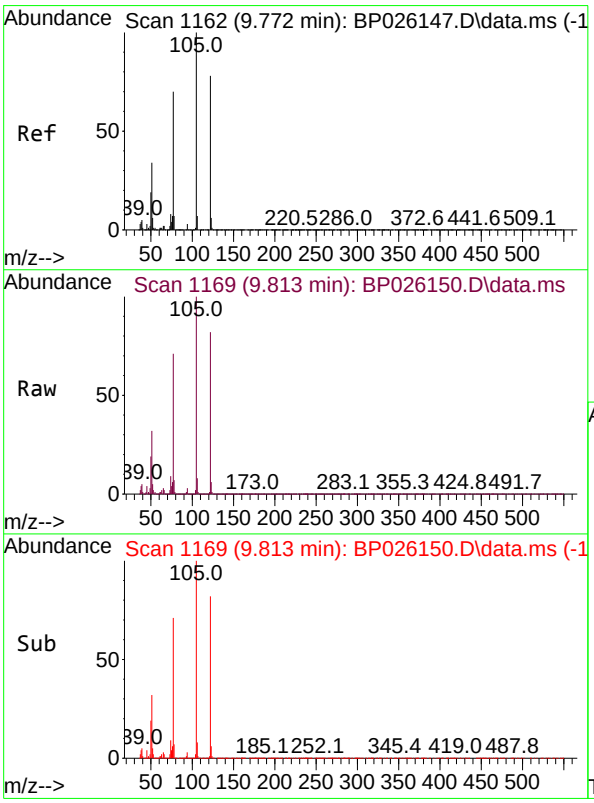
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.4	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

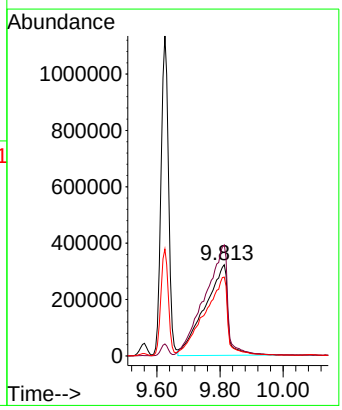
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

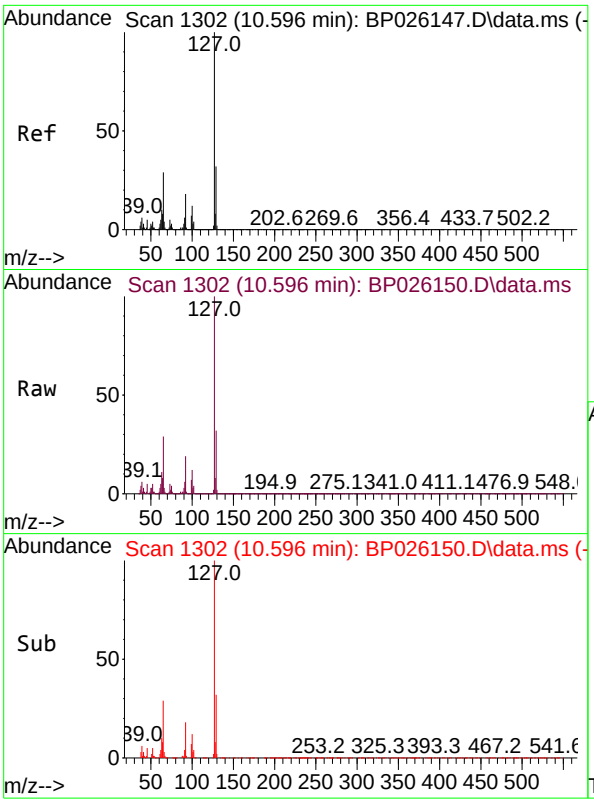


#32
Benzoic acid
Concen: 86.975 ng
RT: 9.813 min Scan# 1169
Delta R.T. 0.047 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:122 Resp: 1646676

Ion	Ratio	Lower	Upper
122	100		
105	121.8	100.1	140.1
77	86.5	66.7	106.7

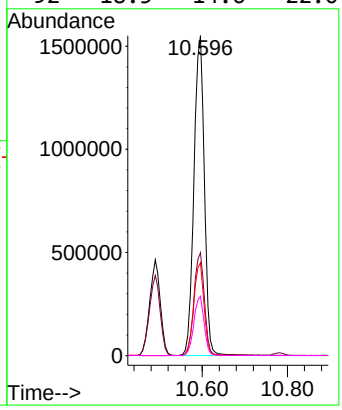




#33
4-Chloroaniline
Concen: 79.361 ng
RT: 10.596 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:127 Resp: 264073

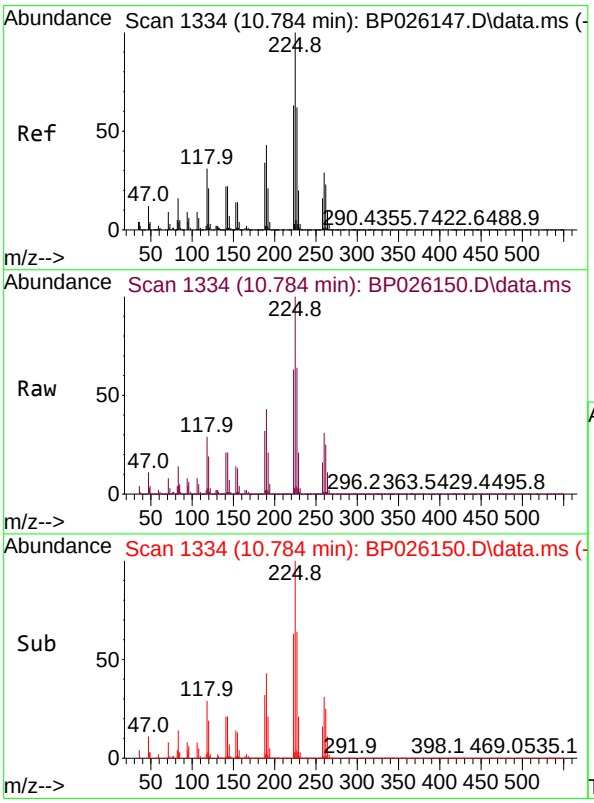
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	29.0	22.7	34.1
92	18.5	14.6	22.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

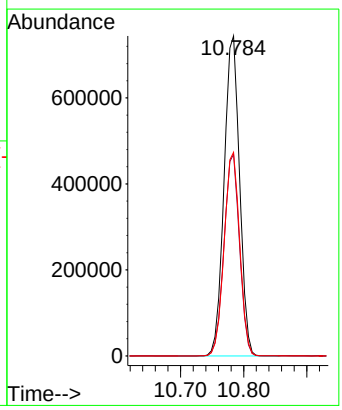
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

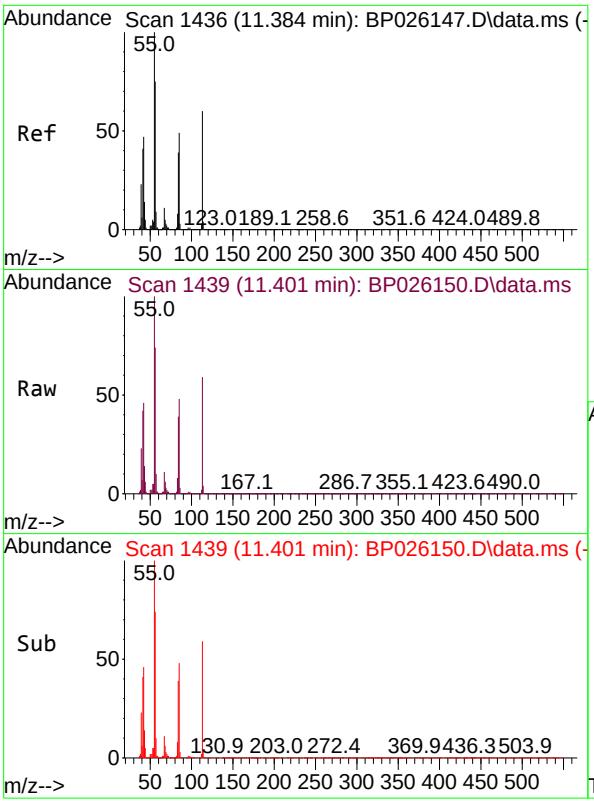


#34
Hexachlorobutadiene
Concen: 81.448 ng
RT: 10.784 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:225 Resp: 1266129

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	63.6	51.2	76.8





#35
Caprolactam
Concen: 77.424 ng
RT: 11.401 min Scan# 14
Delta R.T. 0.024 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

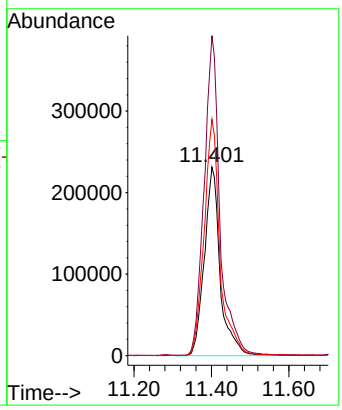
Tgt Ion:113 Resp: 65366

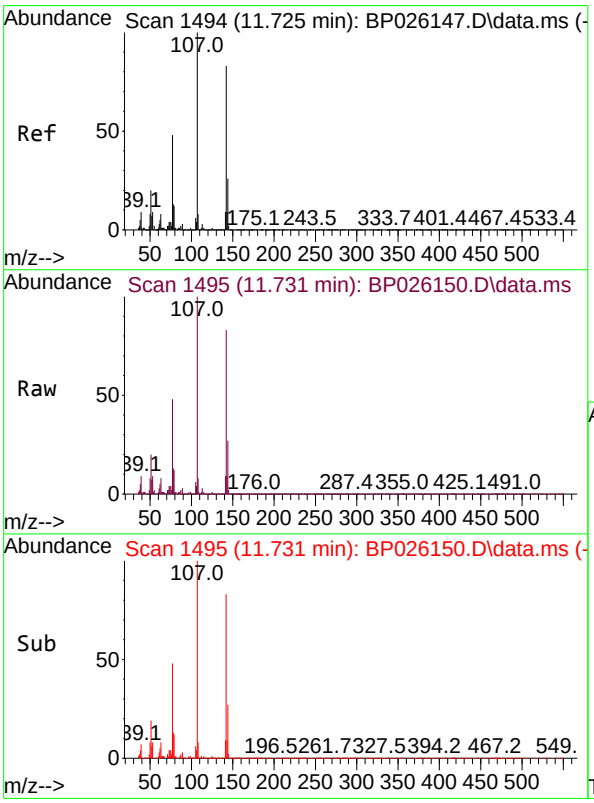
Ion	Ratio	Lower	Upper
113	100		
55	169.9	153.0	193.0
56	125.4	106.4	146.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

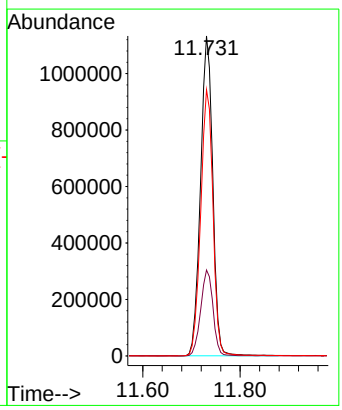


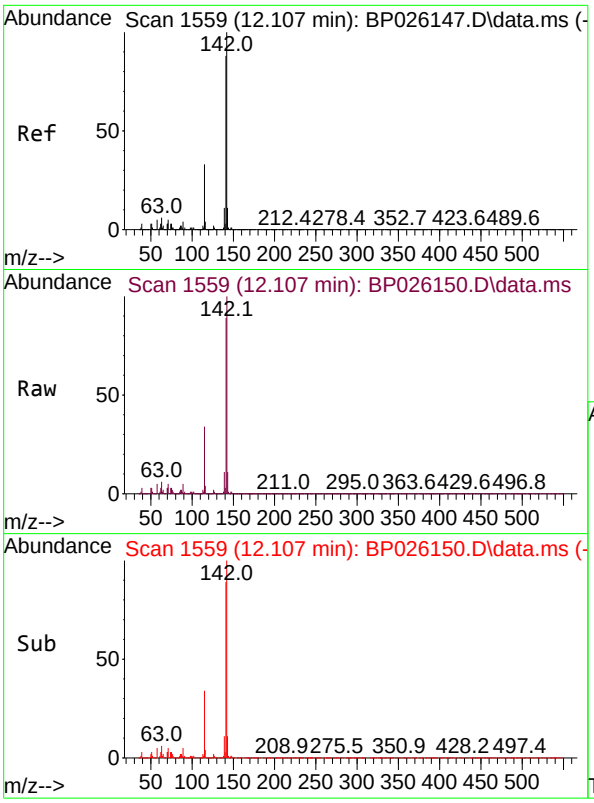


#36
4-Chloro-3-methylphenol
Concen: 79.070 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:107 Resp: 1972354

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.6	32.4
142	83.2	65.6	98.4

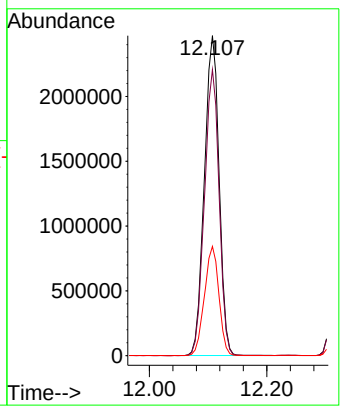




#37
2-Methylnaphthalene
Concen: 77.446 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:142 Resp: 429711

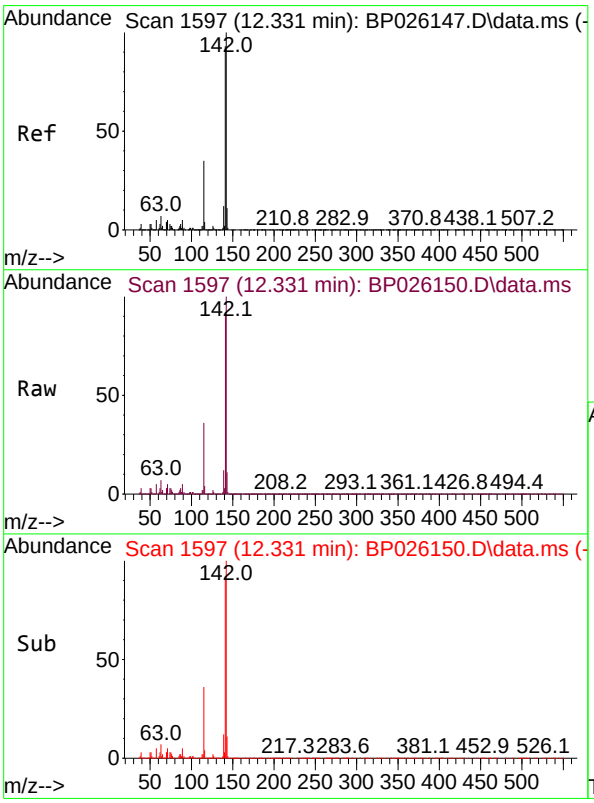
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.0	106.6
115	34.1	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

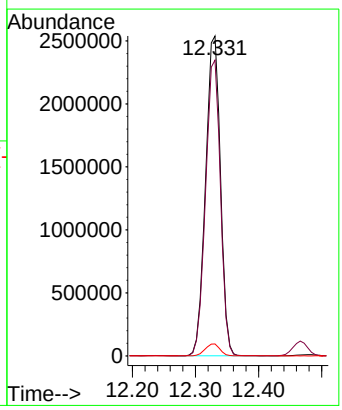
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

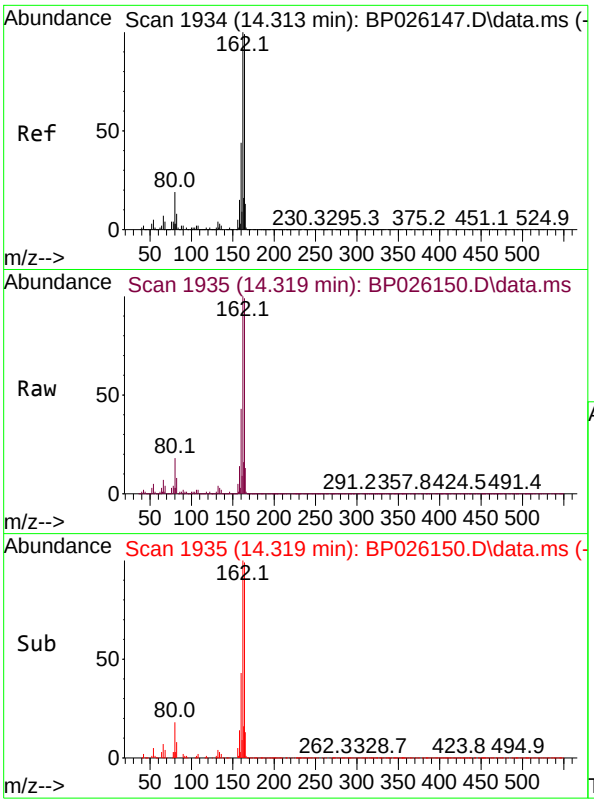


#38
1-Methylnaphthalene
Concen: 76.467 ng
RT: 12.331 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:142 Resp: 4151377

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.5	110.3
116	3.7	3.0	4.4

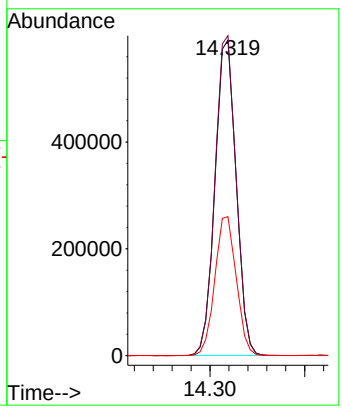




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:164 Resp: 91625

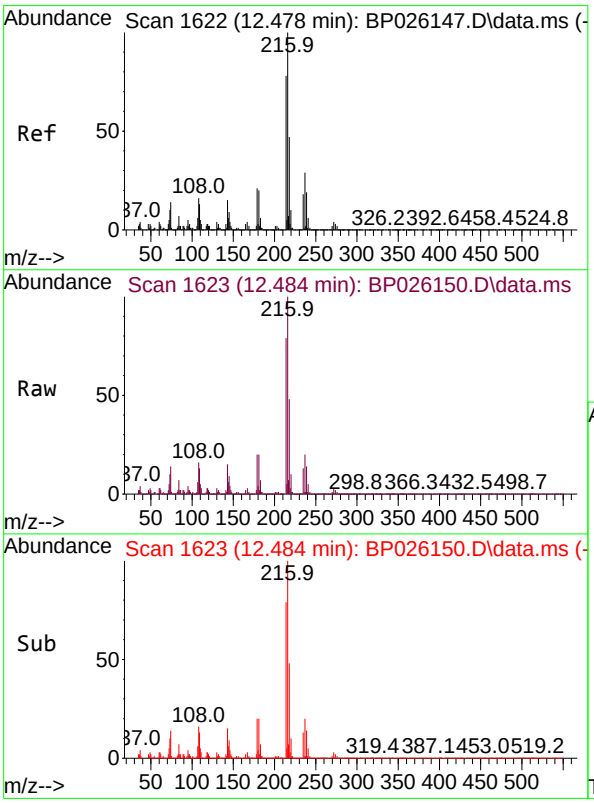
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.3	120.5
160	44.1	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

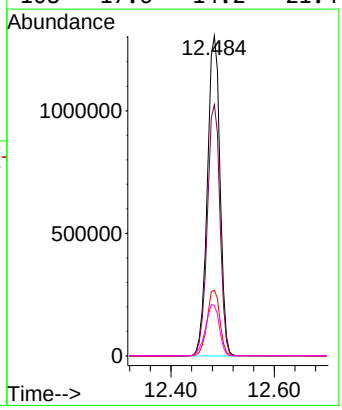
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

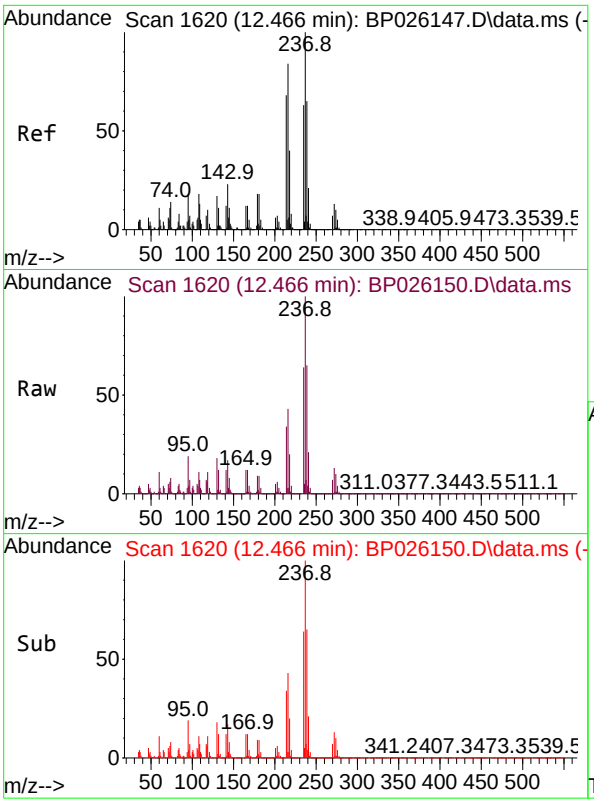


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.984 ng
RT: 12.484 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:216 Resp: 2208451

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	94.0
179	20.7	16.6	25.0
108	17.6	14.2	21.4

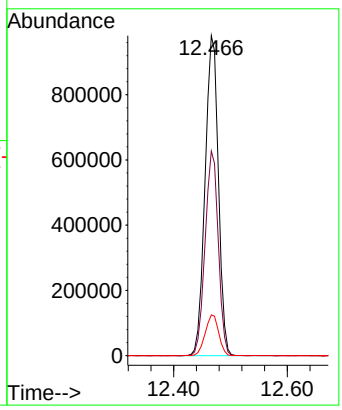




#41
Hexachlorocyclopentadiene
Concen: 88.626 ng
RT: 12.466 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:237 Resp: 159719

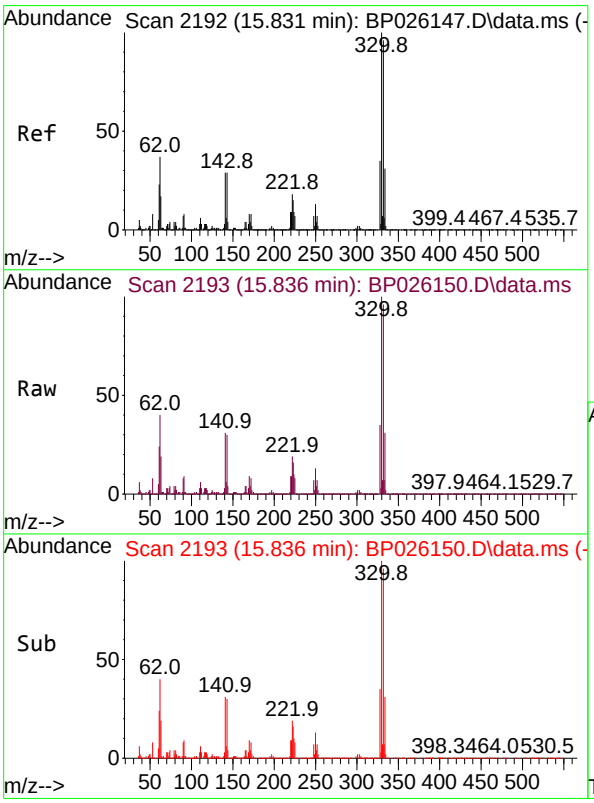
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.3	83.3
272	12.7	0.0	32.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

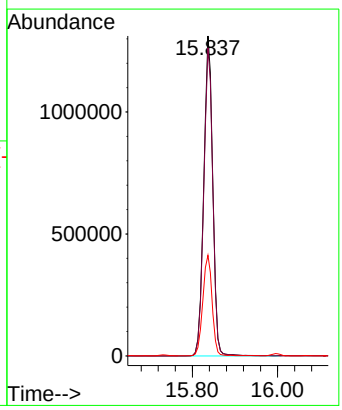
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

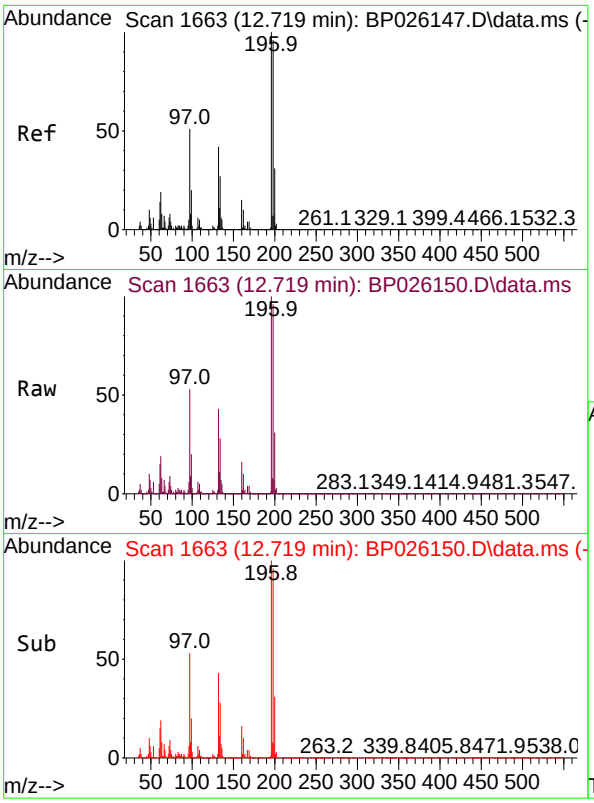


#42
2,4,6-Tribromophenol
Concen: 161.460 ng
RT: 15.836 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:330 Resp: 1917042

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	32.5	26.8	40.2

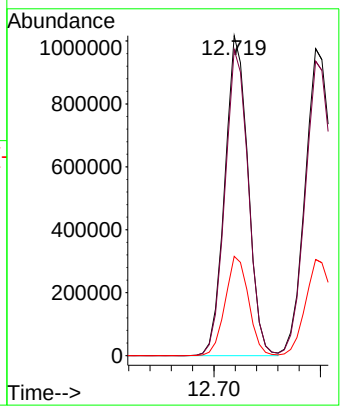




#43
2,4,6-Trichlorophenol
Concen: 81.106 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:196 Resp: 154109

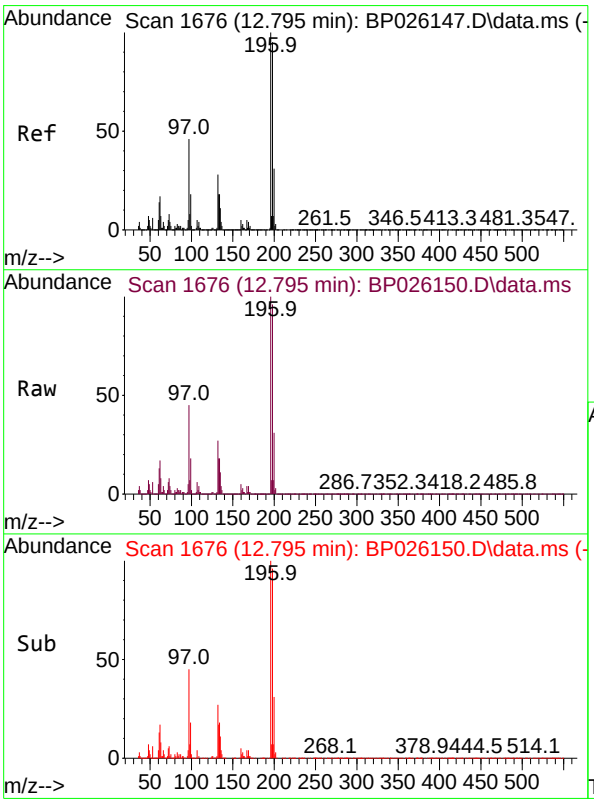
Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.9	115.3
200	31.0	24.6	37.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

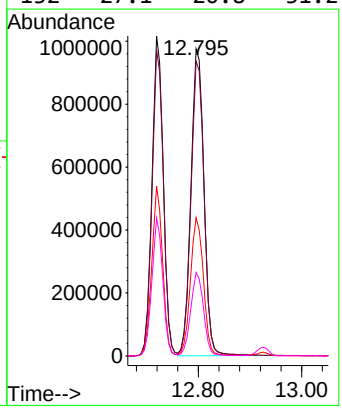
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

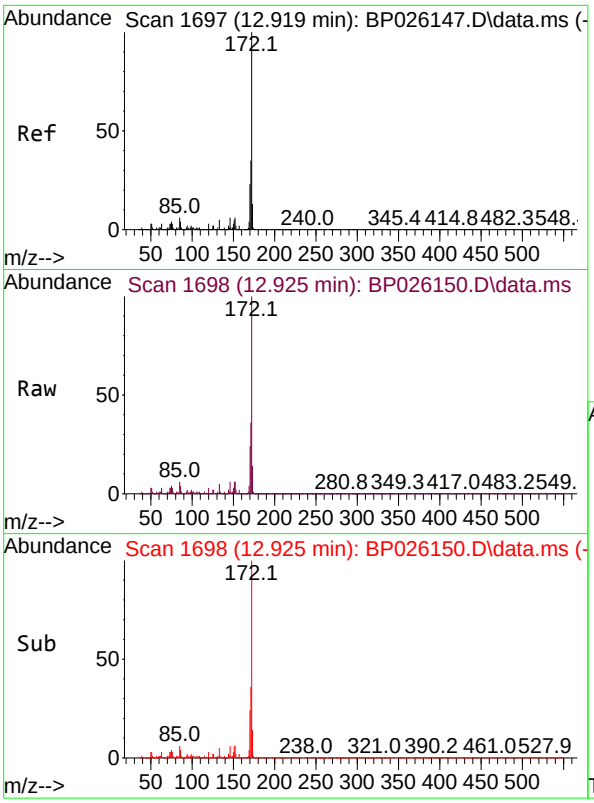


#44
2,4,5-Trichlorophenol
Concen: 80.887 ng
RT: 12.795 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:196 Resp: 1713807

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.4	114.6
97	45.0	35.7	53.5
132	27.1	20.8	31.2

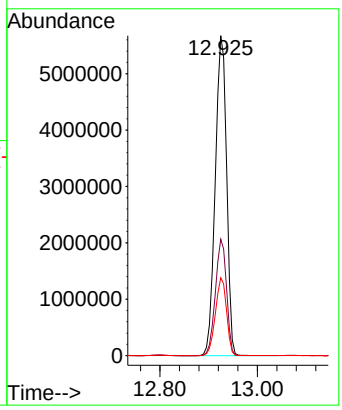




#45
2-Fluorobiphenyl
Concen: 145.791 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:172 Resp: 915626

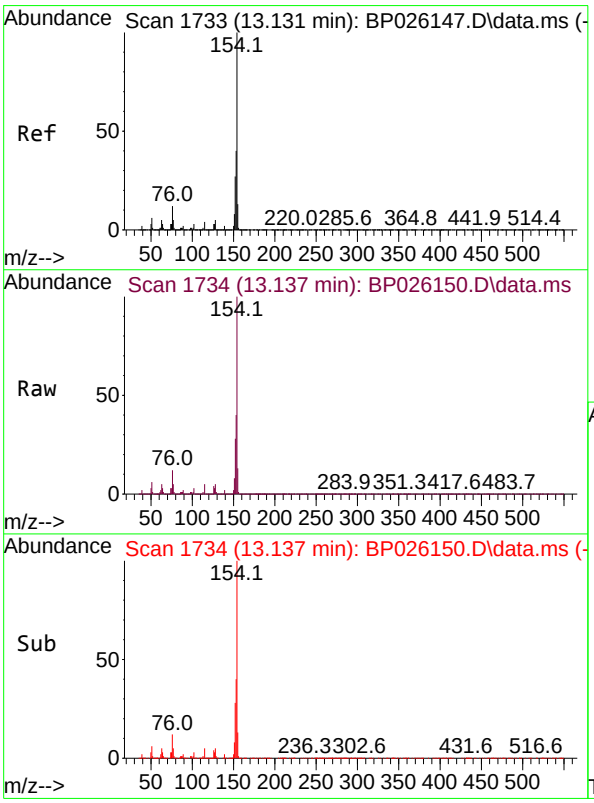
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	24.3	18.7	28.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

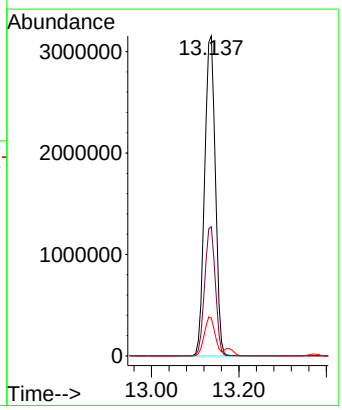
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

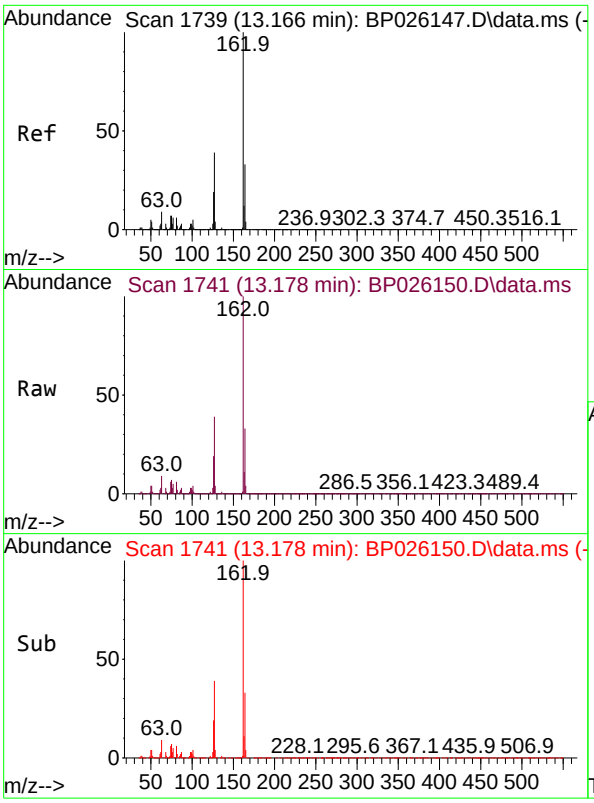


#46
1,1'-Biphenyl
Concen: 77.807 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:154 Resp: 5350939

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	11.8	0.0	32.3

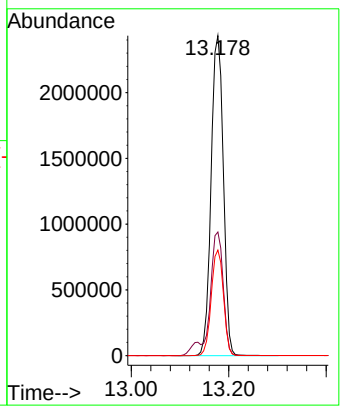




#47
2-Chloronaphthalene
Concen: 78.776 ng
RT: 13.178 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:162 Resp: 425927

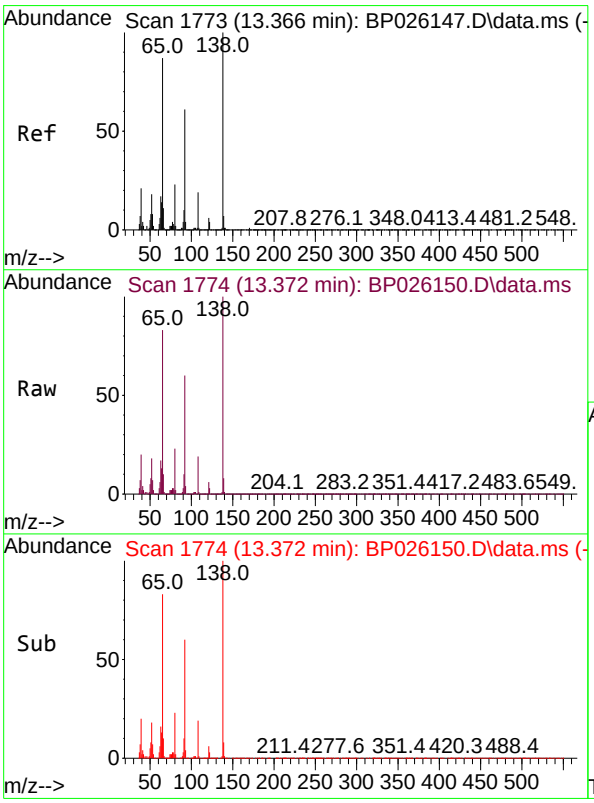
Ion	Ratio	Lower	Upper
162	100		
127	38.6	30.9	46.3
164	33.0	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

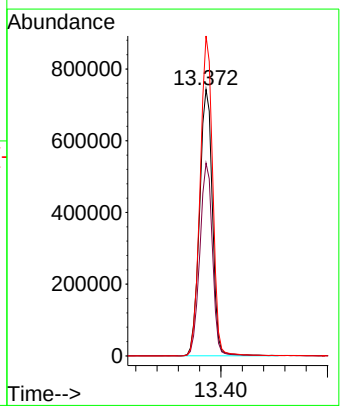
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

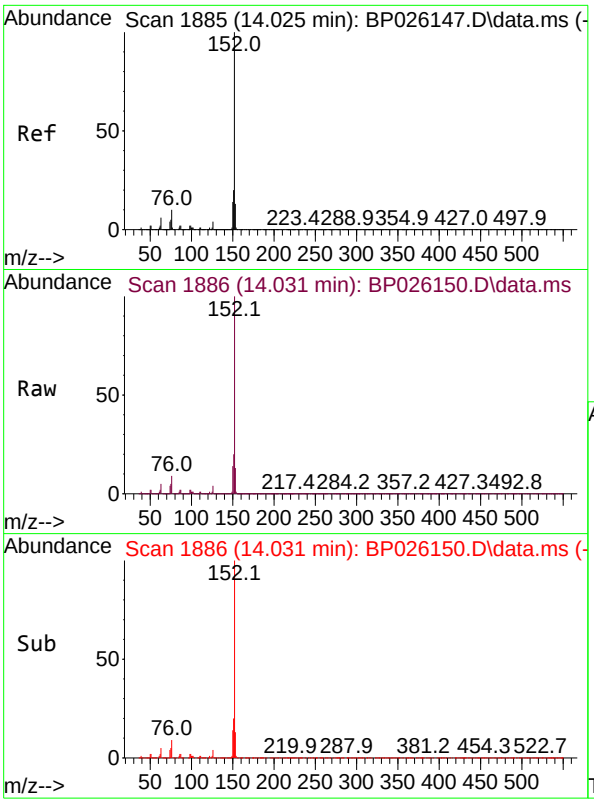


#48
2-Nitroaniline
Concen: 82.186 ng
RT: 13.372 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 65 Resp: 1240952

Ion	Ratio	Lower	Upper
65	100		
92	72.3	59.1	88.7
138	120.1	96.6	145.0

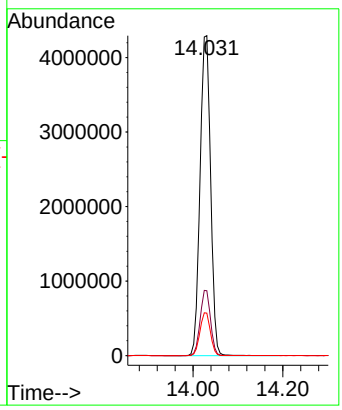




#49
Acenaphthylene
Concen: 78.077 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:152 Resp: 698460

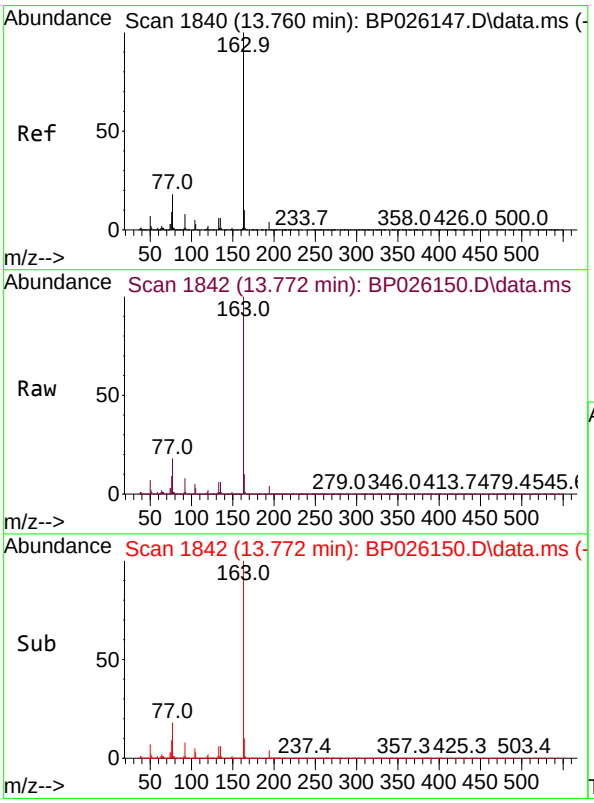
Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

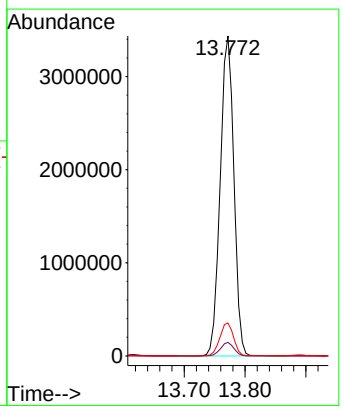
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

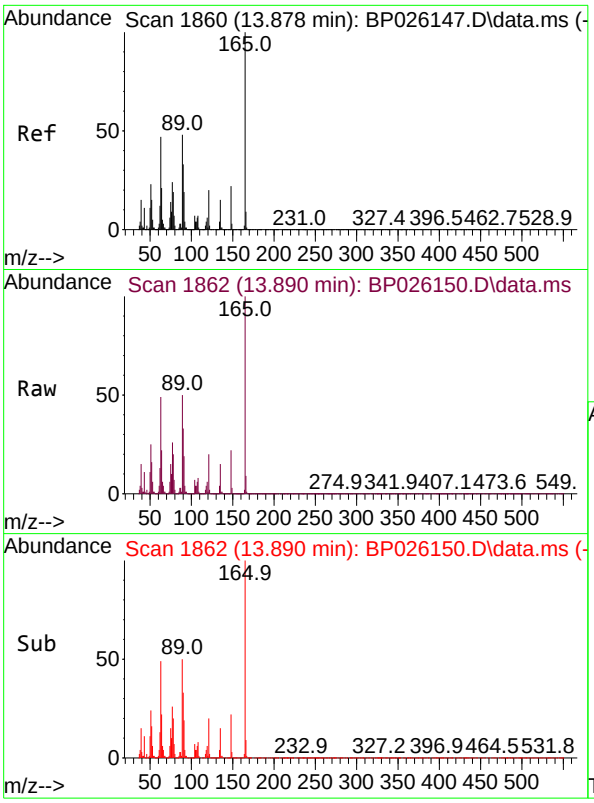


#50
Dimethylphthalate
Concen: 78.482 ng
RT: 13.772 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:163 Resp: 5358389

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.3	8.2	12.2

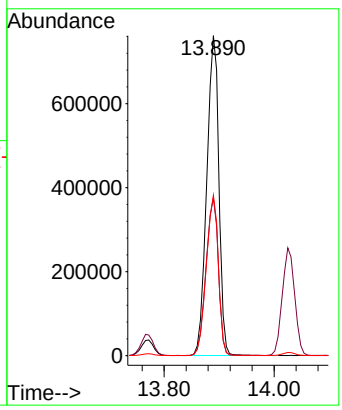




#51
2,6-Dinitrotoluene
Concen: 86.521 ng
RT: 13.890 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:165 Resp: 116822

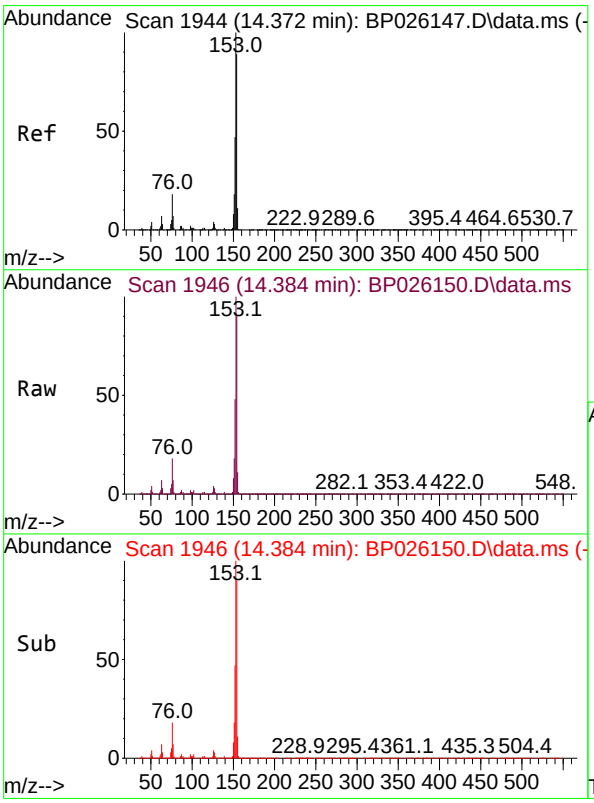
Ion	Ratio	Lower	Upper
165	100		
63	49.2	40.5	60.7
89	50.1	41.3	61.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

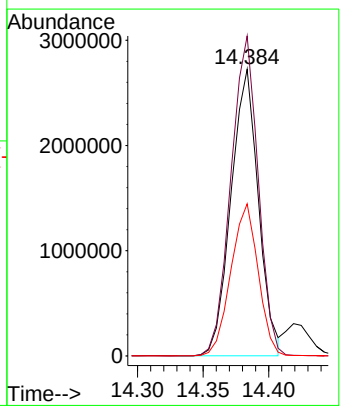
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

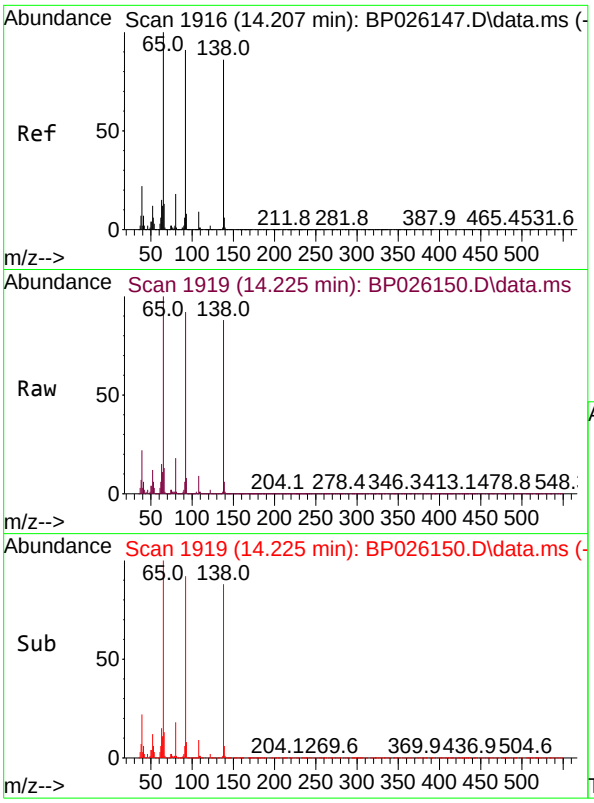


#52
Acenaphthene
Concen: 75.720 ng
RT: 14.384 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:154 Resp: 3961645

Ion	Ratio	Lower	Upper
154	100		
153	111.6	90.7	136.1
152	53.1	42.8	64.2





#53
3-Nitroaniline
Concen: 83.269 ng
RT: 14.225 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

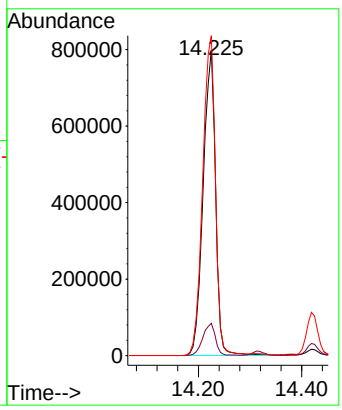
Tgt Ion:138 Resp: 132819

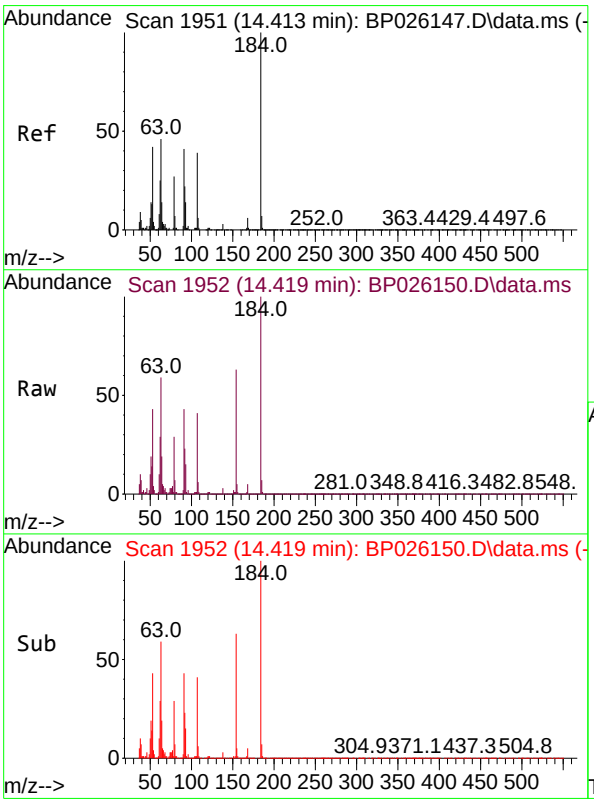
Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.9	13.3
92	104.8	86.3	129.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

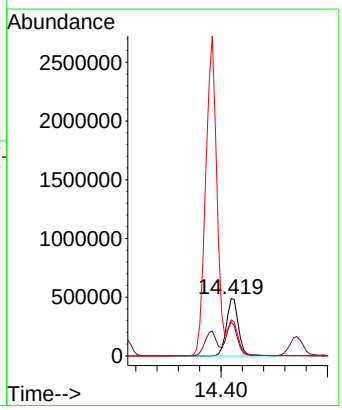


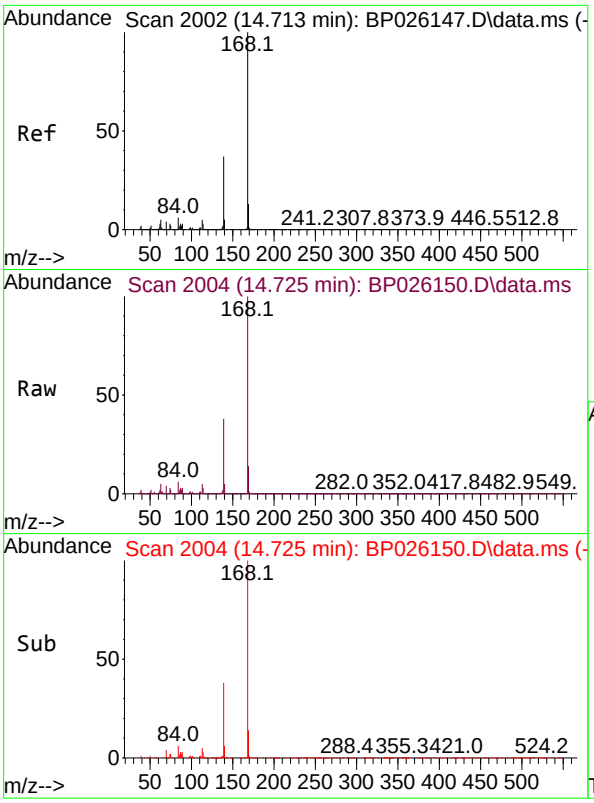


#54
2,4-Dinitrophenol
Concen: 94.087 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:184 Resp: 762088

Ion	Ratio	Lower	Upper
184	100		
63	59.3	43.1	64.7
154	62.7	49.5	74.3

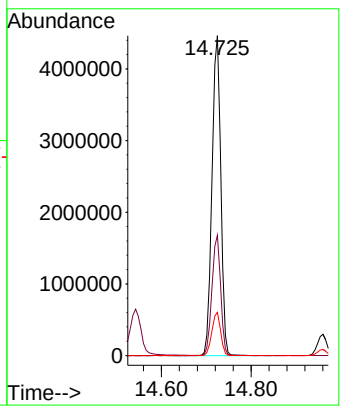




#55
Dibenzofuran
Concen: 74.160 ng
RT: 14.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:168 Resp: 606339

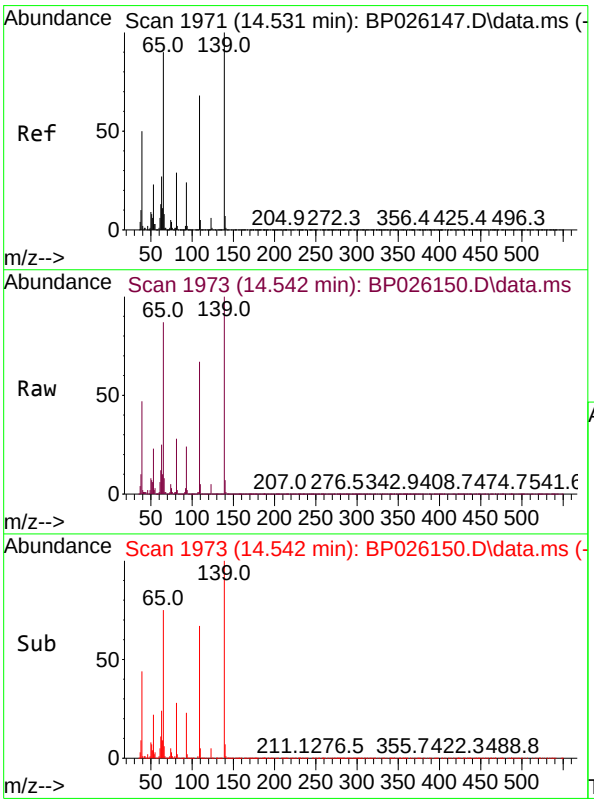
Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.8	44.6
169	13.6	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

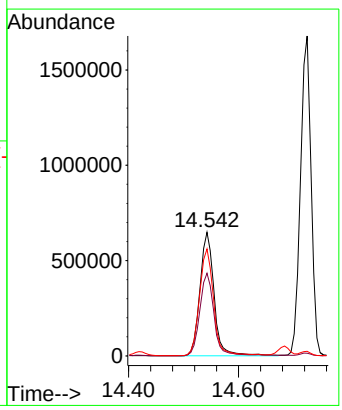
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

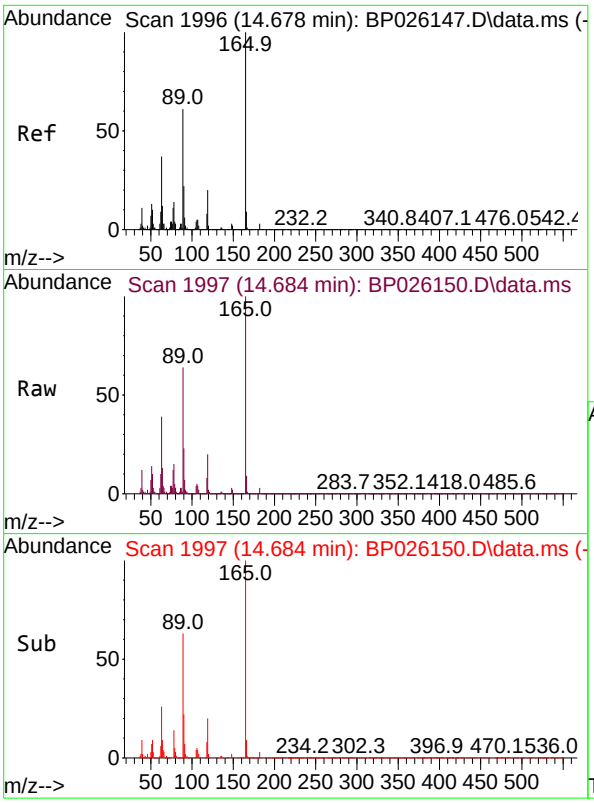


#56
4-Nitrophenol
Concen: 80.163 ng
RT: 14.542 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:139 Resp: 1160755

Ion	Ratio	Lower	Upper
139	100		
109	66.8	46.8	86.8
65	86.6	69.3	109.3

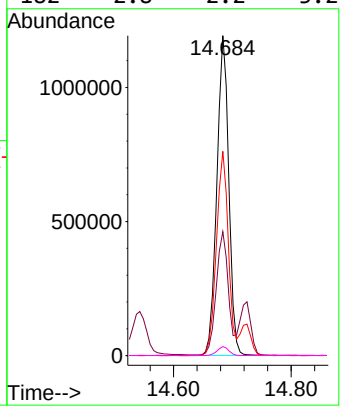




#57
2,4-Dinitrotoluene
Concen: 82.824 ng
RT: 14.684 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:165 Resp: 168117

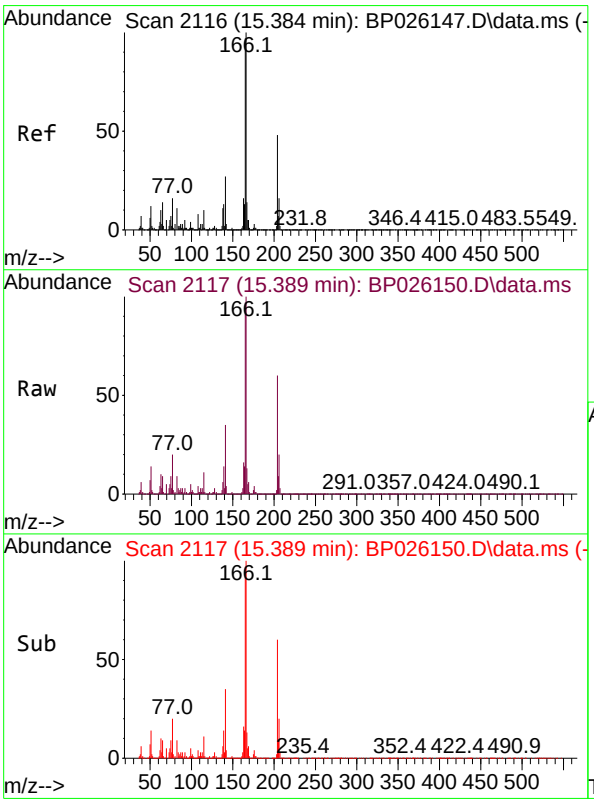
Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.0	46.6
89	63.8	51.7	77.5
182	2.8	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

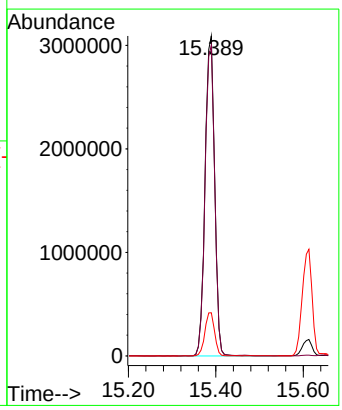
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

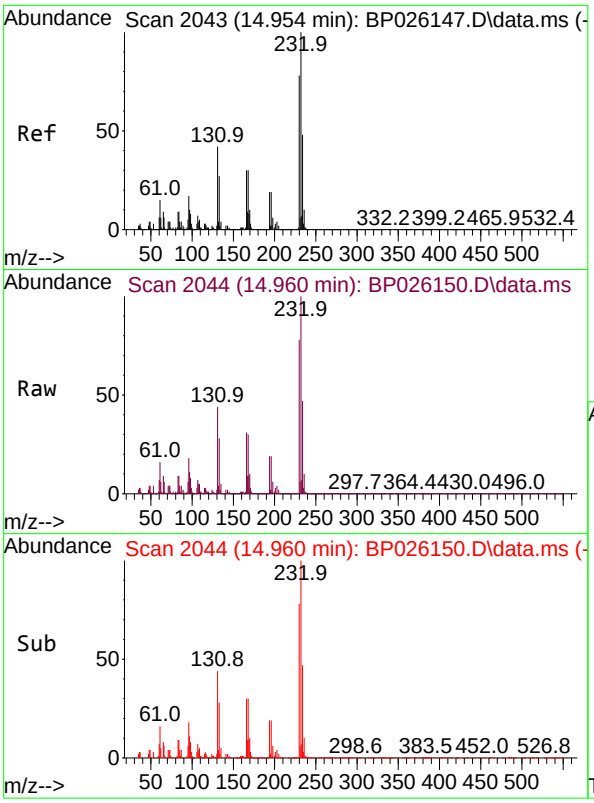


#58
Fluorene
Concen: 71.825 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:166 Resp: 4642250

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.9	116.9
167	13.5	11.0	16.4

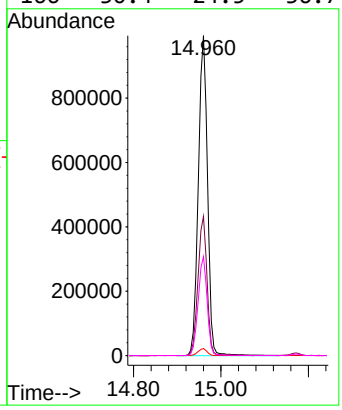




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.377 ng
RT: 14.960 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:232 Resp: 144242

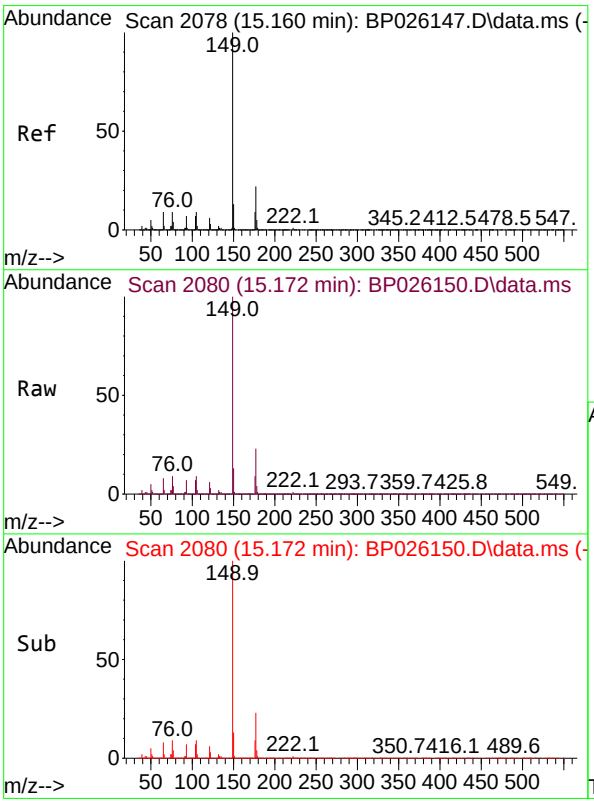
Ion	Ratio	Lower	Upper
232	100		
131	43.0	34.8	52.2
130	2.2	1.8	2.8
166	30.4	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

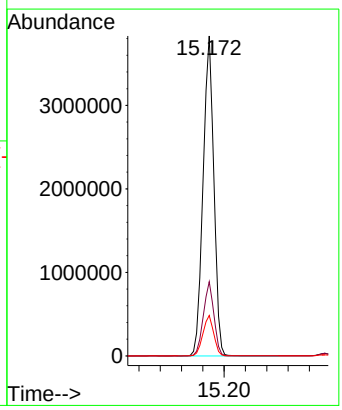
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

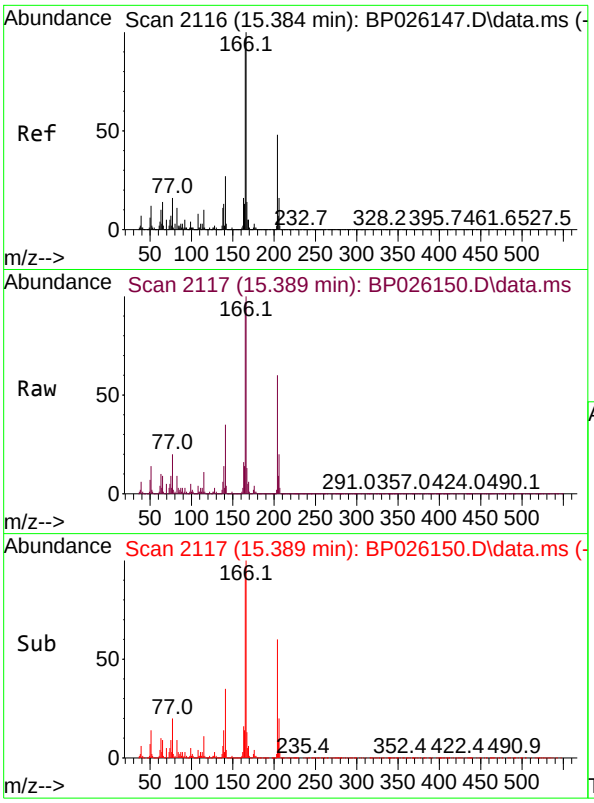


#60
Diethylphthalate
Concen: 77.587 ng
RT: 15.172 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:149 Resp: 5369309

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.7	9.9	14.9

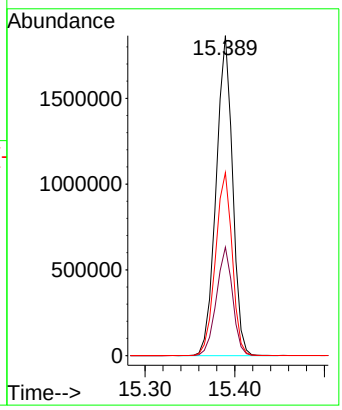




#61
4-Chlorophenyl-phenylether
Concen: 73.978 ng
RT: 15.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:204 Resp: 237338

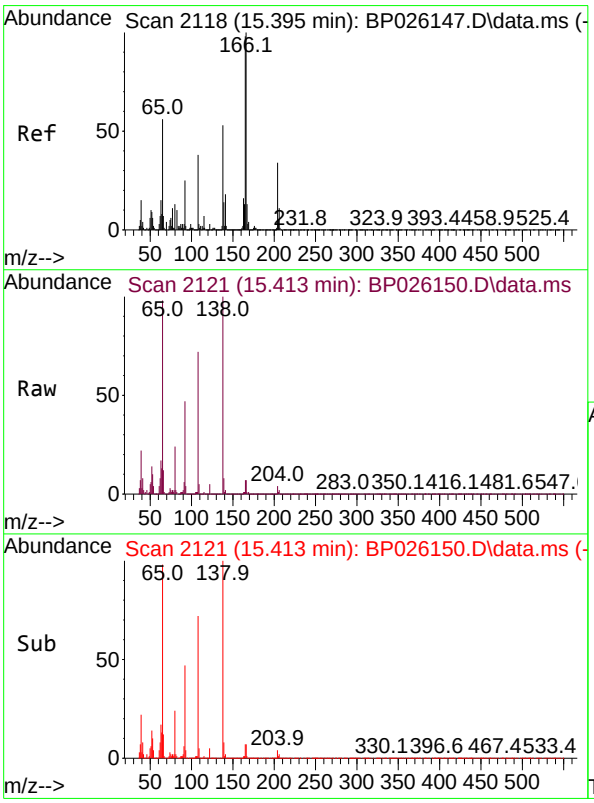
Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.2	39.2
141	57.2	48.1	72.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

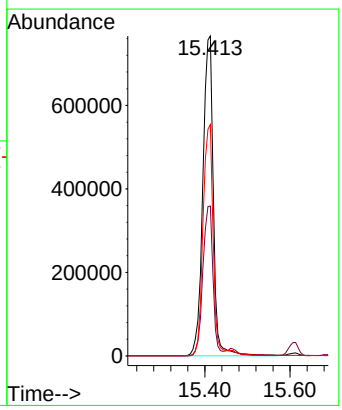
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

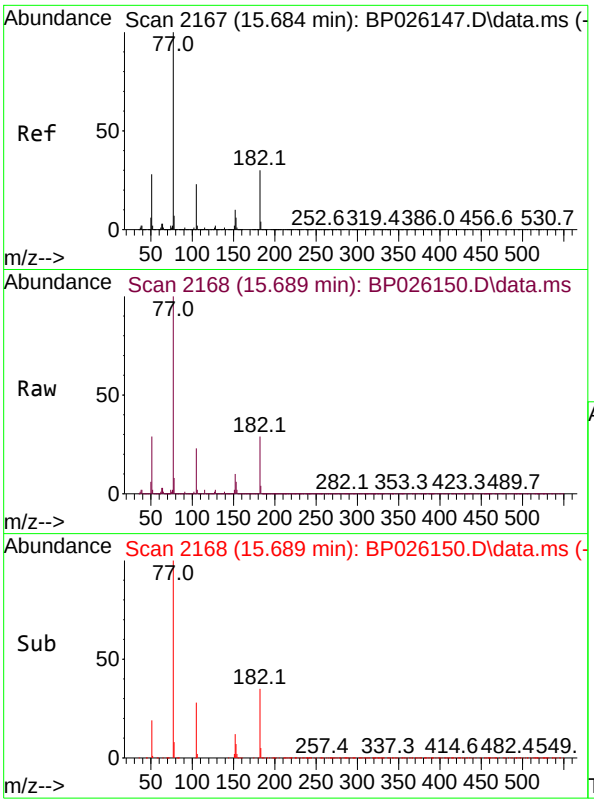


#62
4-Nitroaniline
Concen: 78.639 ng
RT: 15.413 min Scan# 2121
Delta R.T. 0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:138 Resp: 1312938

Ion	Ratio	Lower	Upper
138	100		
92	46.8	27.5	67.5
108	72.3	51.1	91.1

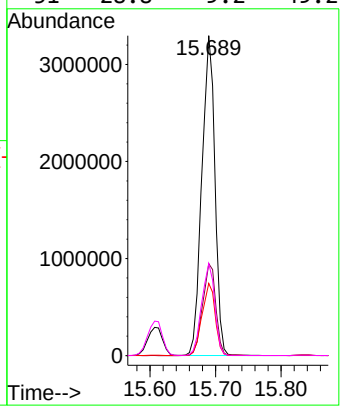




#63
Azobenzene
Concen: 78.140 ng
RT: 15.689 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion: 77 Resp: 454320

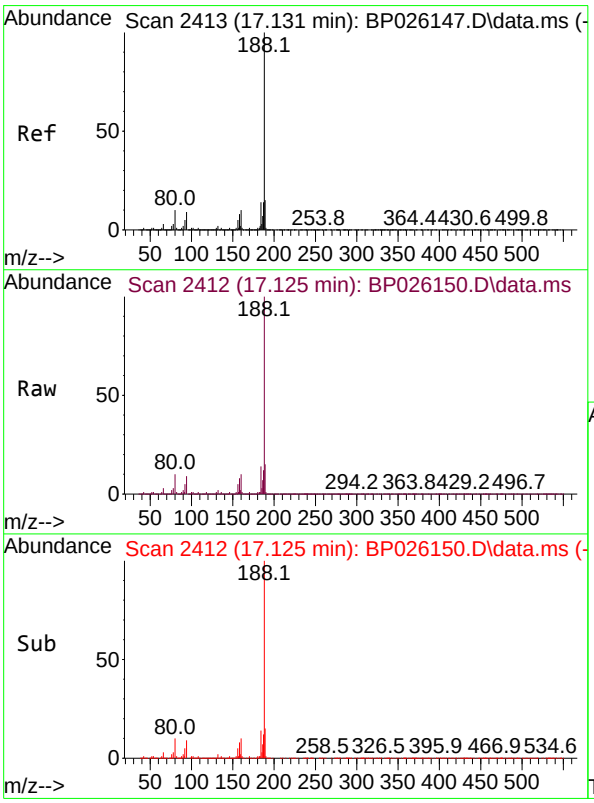
Ion	Ratio	Lower	Upper
77	100		
182	28.7	8.8	48.8
105	22.6	2.6	42.6
51	28.8	9.2	49.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

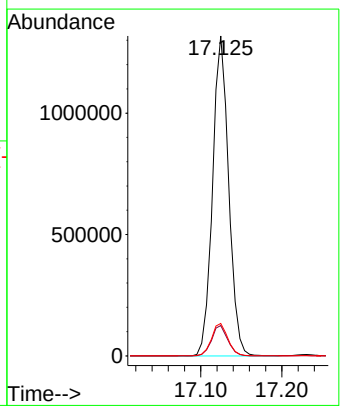
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

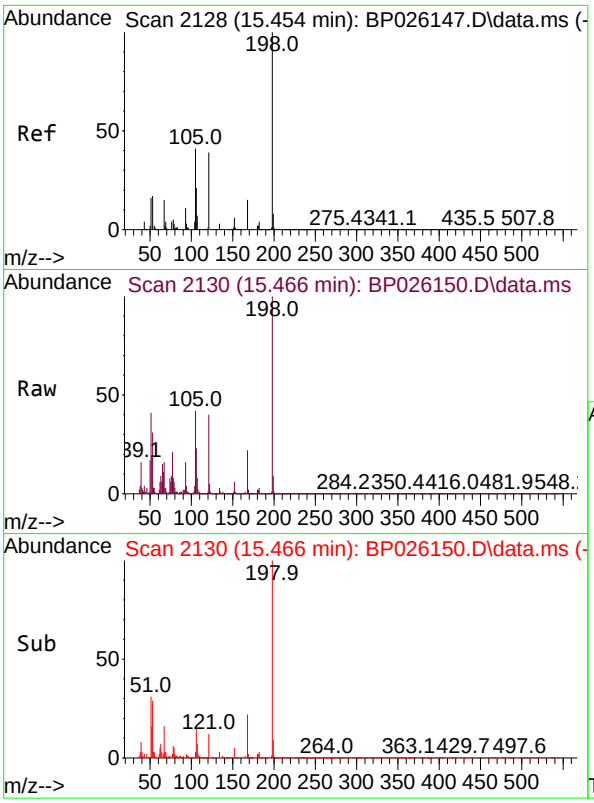


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:188 Resp: 1816815

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	10.1	8.2	12.2

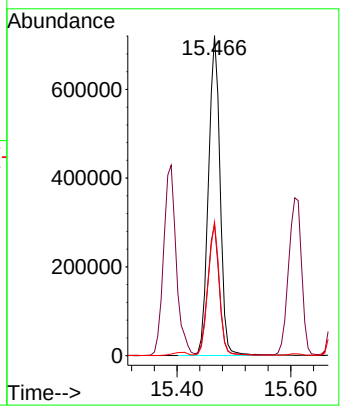




#65
4,6-Dinitro-2-methylphenol
Concen: 89.911 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:198 Resp: 102796

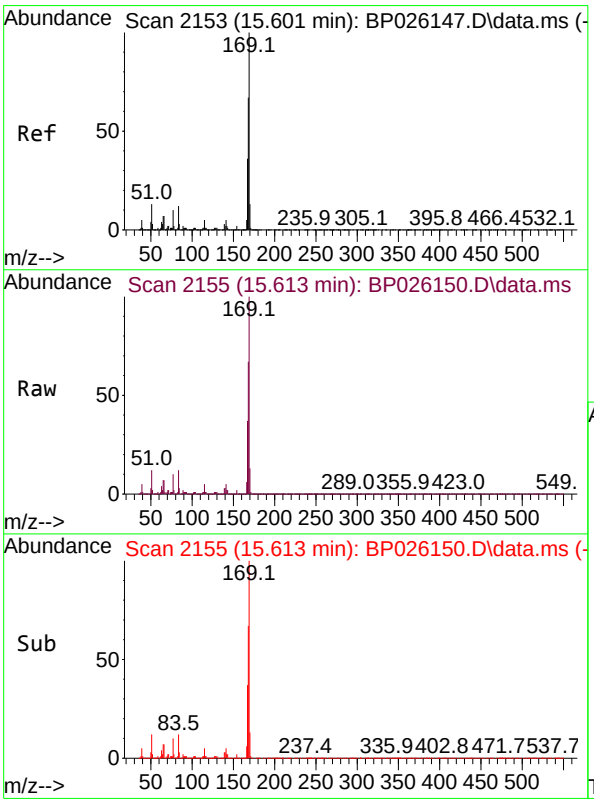
Ion	Ratio	Lower	Upper
198	100		
51	40.9	18.4	58.4
105	41.8	18.5	58.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

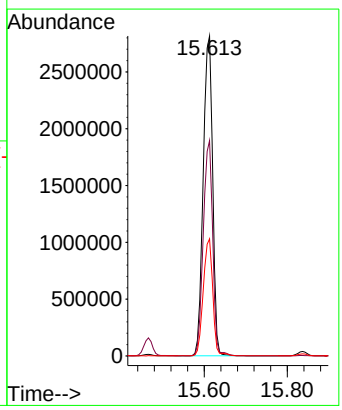
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

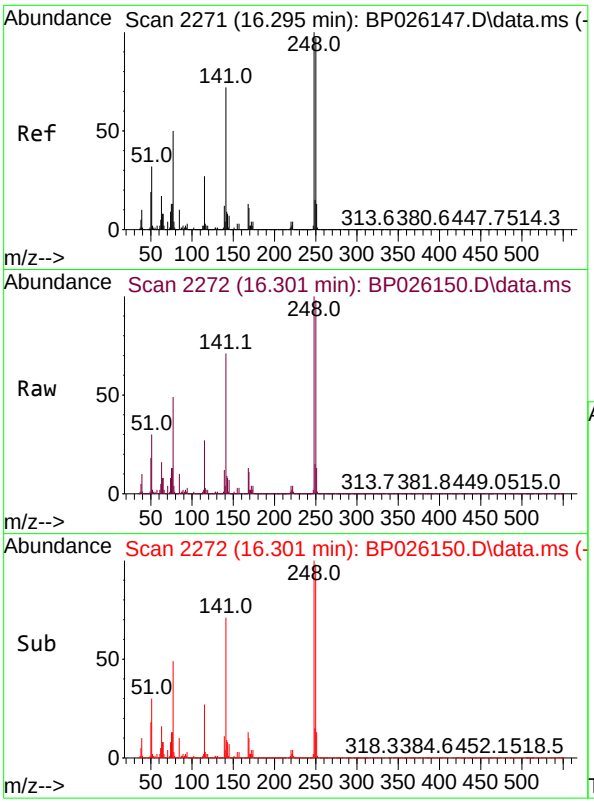


#66
n-Nitrosodiphenylamine
Concen: 78.838 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:169 Resp: 4431692

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.1	79.7
167	36.6	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 82.958 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

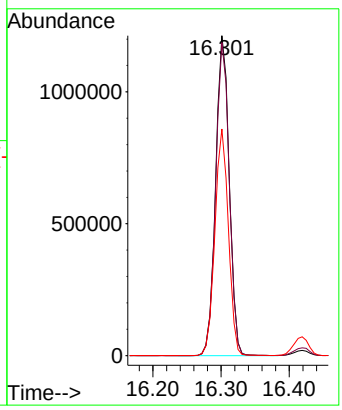
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

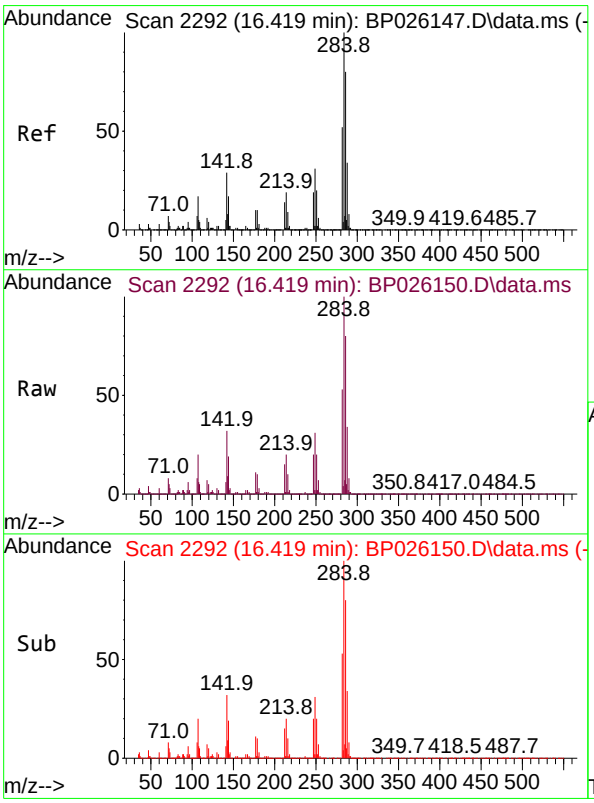
Tgt Ion:248 Resp: 166561

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.8	116.6
141	70.8	55.4	83.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

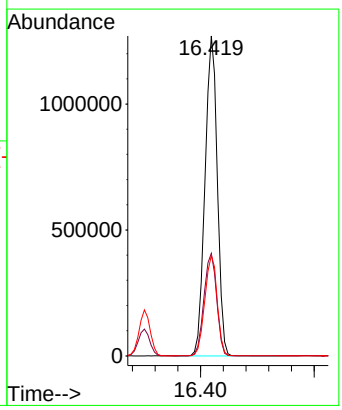


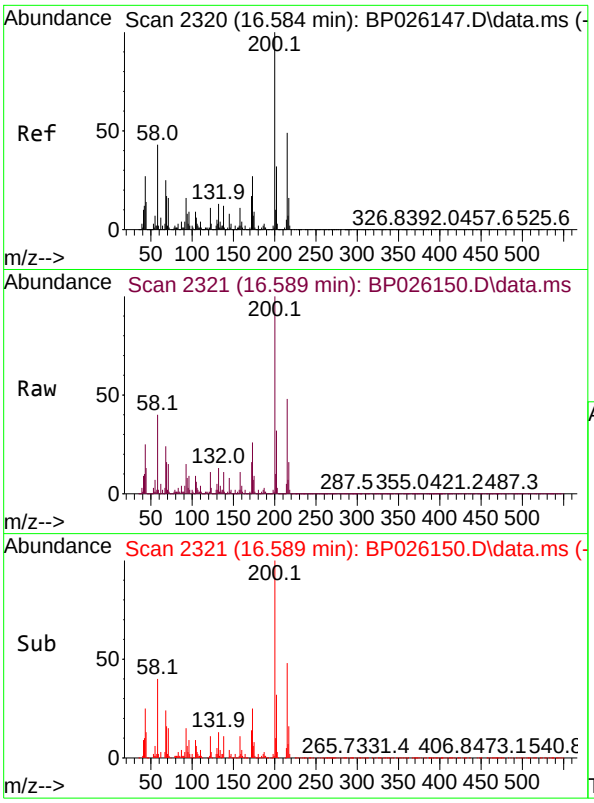


#68
Hexachlorobenzene
Concen: 82.547 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:284 Resp: 1914891

Ion	Ratio	Lower	Upper
284	100		
142	32.0	28.0	42.0
249	31.4	25.0	37.4

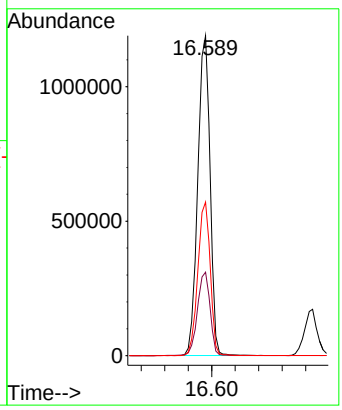




#69
Atrazine
Concen: 81.486 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:200 Resp: 172486

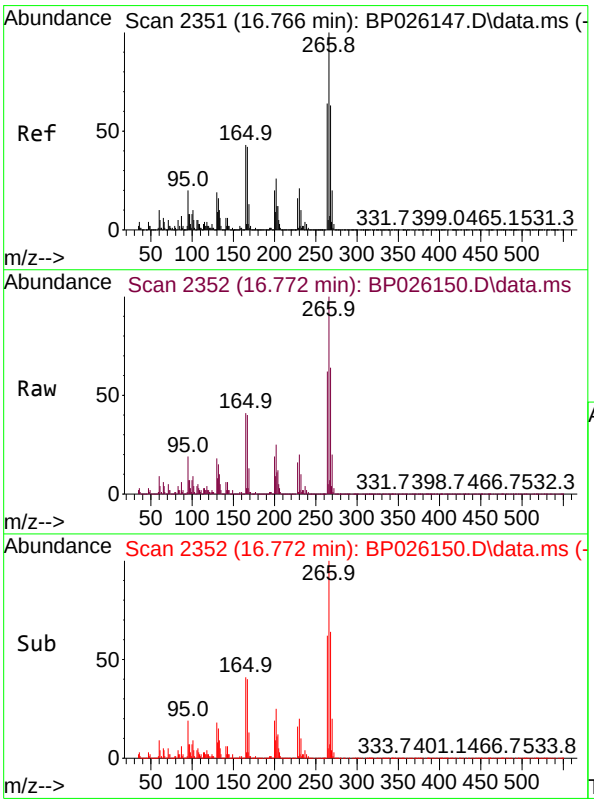
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	48.0	27.4	67.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

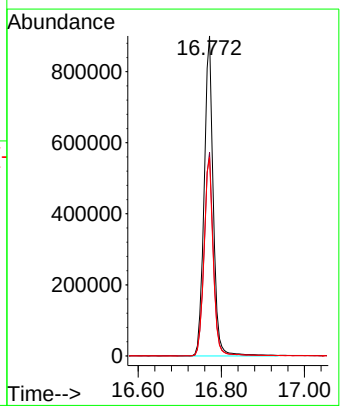
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

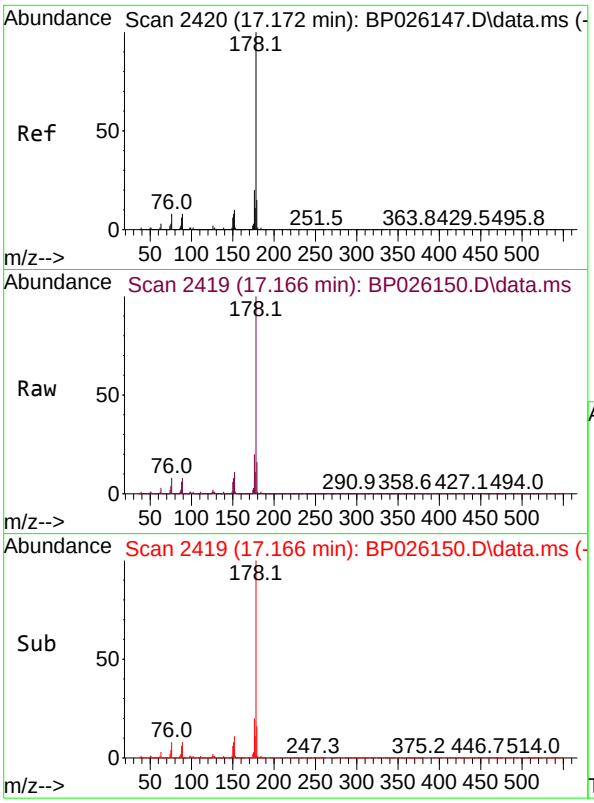


#70
Pentachlorophenol
Concen: 83.671 ng
RT: 16.772 min Scan# 2352
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:266 Resp: 1361754

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.0	76.4
264	62.1	50.2	75.2





#71
Phenanthrene
Concen: 76.873 ng
RT: 17.166 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

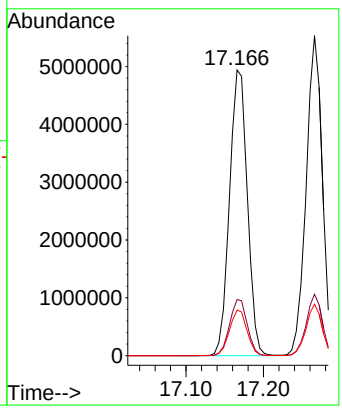
Tgt Ion:178 Resp: 790140

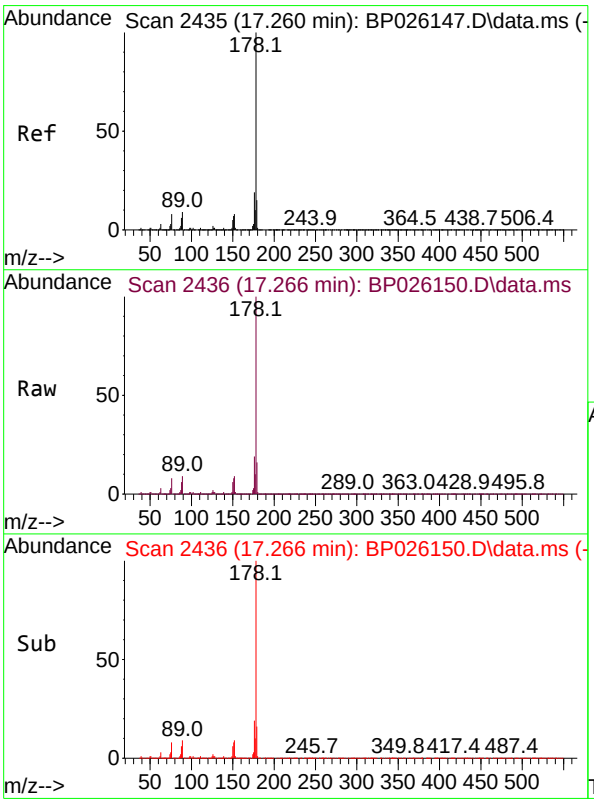
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.9	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

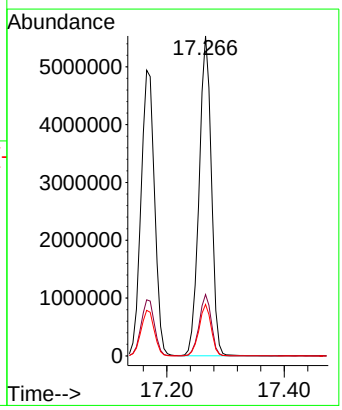


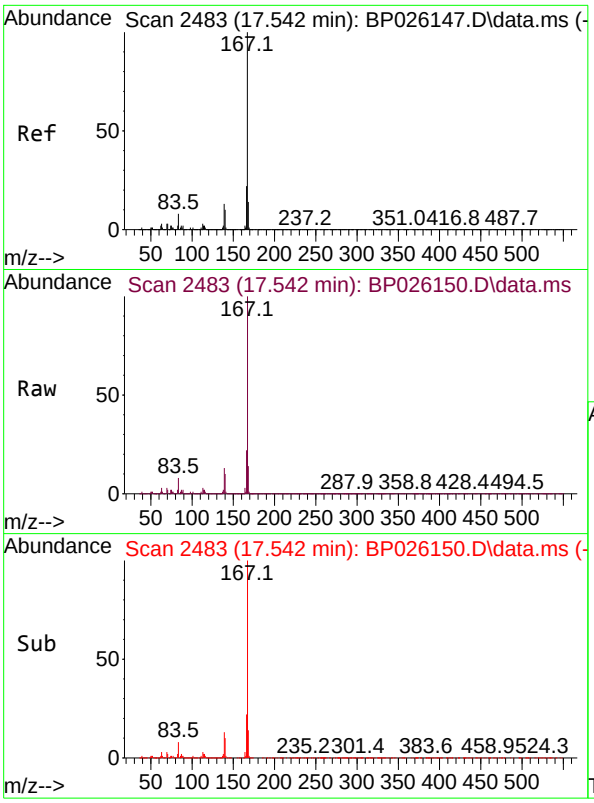


#72
Anthracene
Concen: 76.308 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:178 Resp: 8010628

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	16.1	12.2	18.4

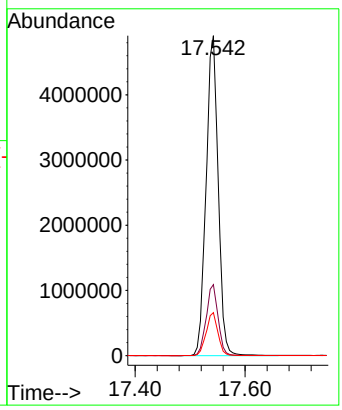




#73
Carbazole
Concen: 75.335 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:167 Resp: 748175

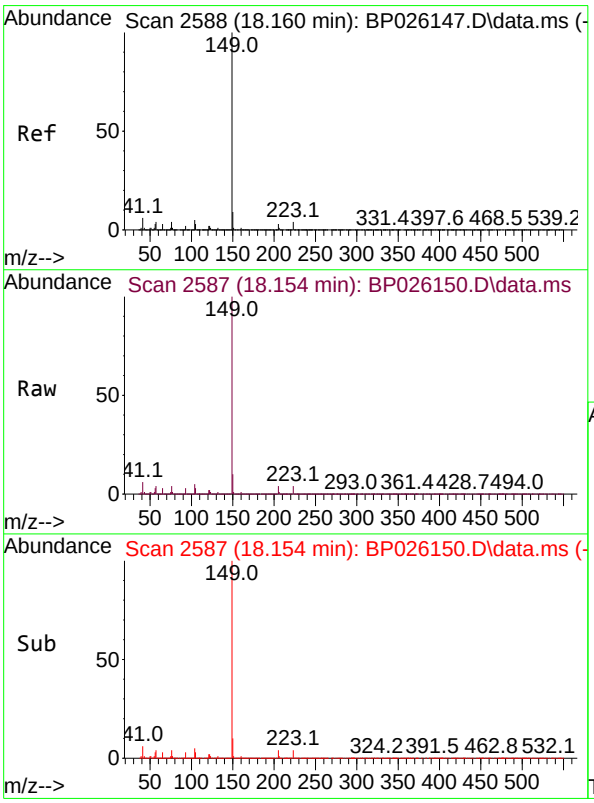
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	13.4	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

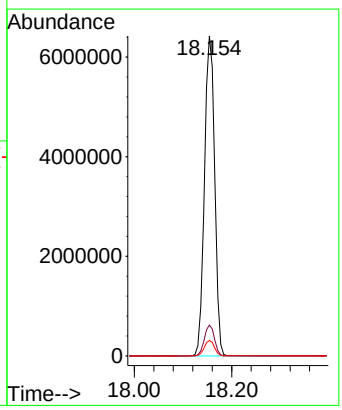
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

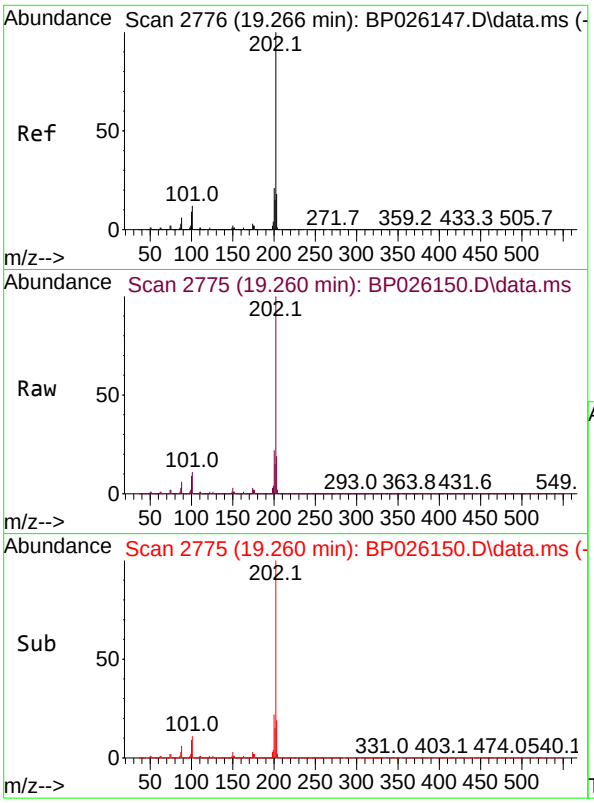


#74
Di-n-butylphthalate
Concen: 79.539 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:149 Resp: 9375432

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.8	3.6	5.4

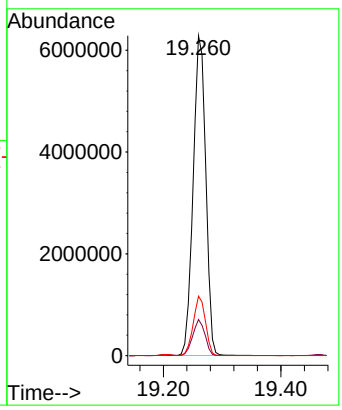




#75
Fluoranthene
Concen: 74.439 ng
RT: 19.260 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:202 Resp: 935156

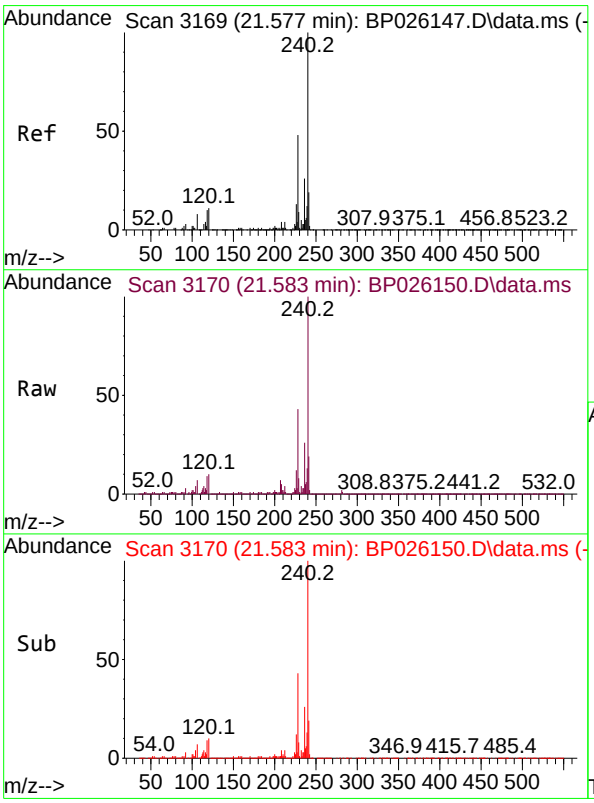
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.2
203	18.6	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

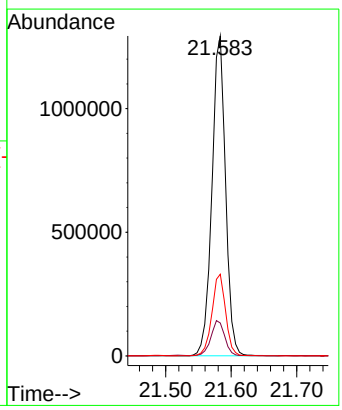
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

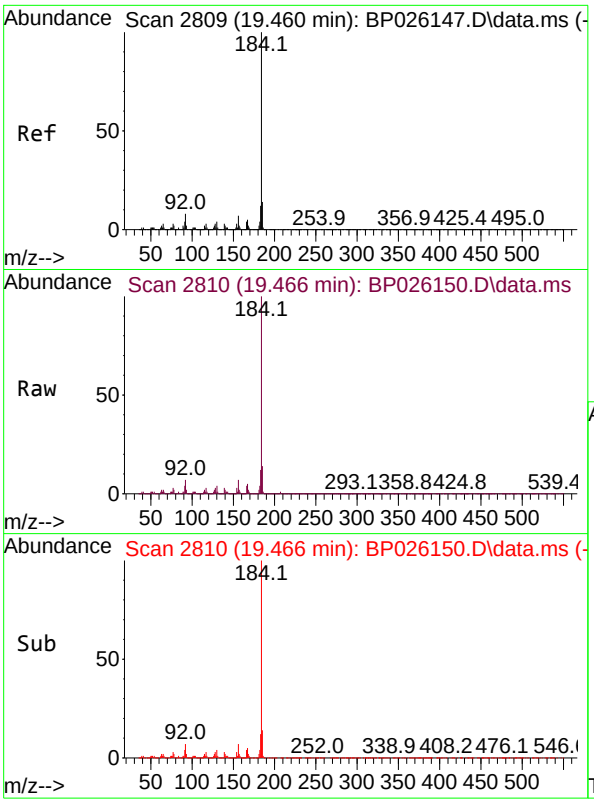


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:240 Resp: 1872355

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.0	13.4
236	25.5	20.4	30.6

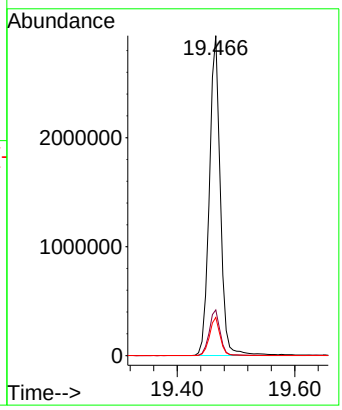




#77
Benzidine
Concen: 65.974 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:184 Resp: 380226

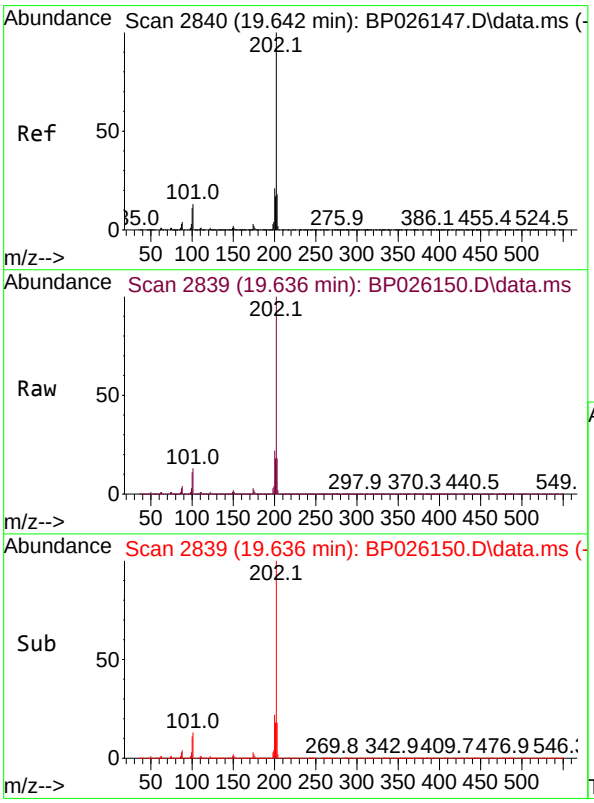
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	11.9	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

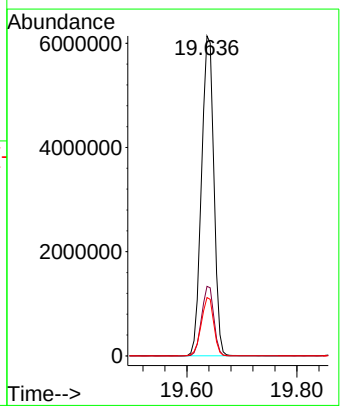
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

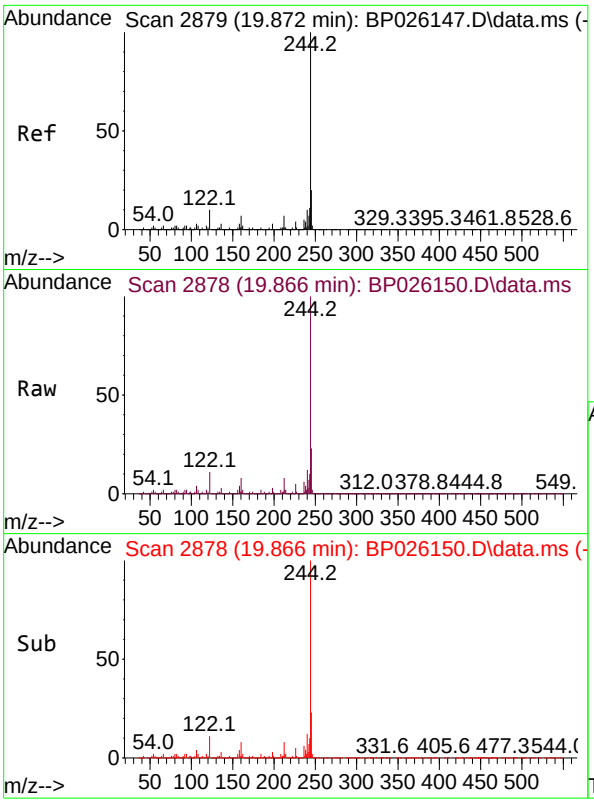


#78
Pyrene
Concen: 78.406 ng
RT: 19.636 min Scan# 2839
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:202 Resp: 9565086

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	18.2	13.8	20.8





#79
Terphenyl-d14
Concen: 141.200 ng
RT: 19.866 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

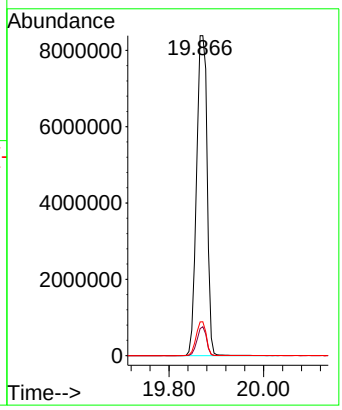
Tgt Ion:244 Resp:1296444

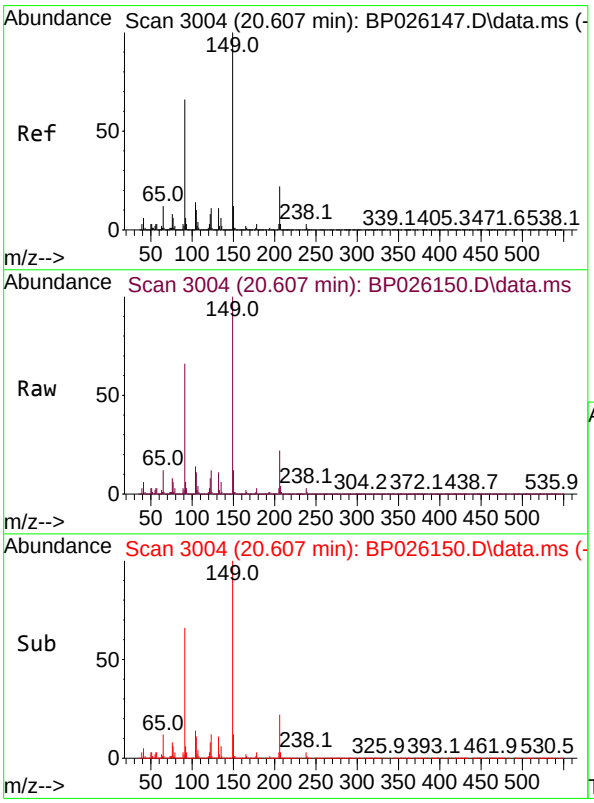
Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	10.5	8.2	12.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

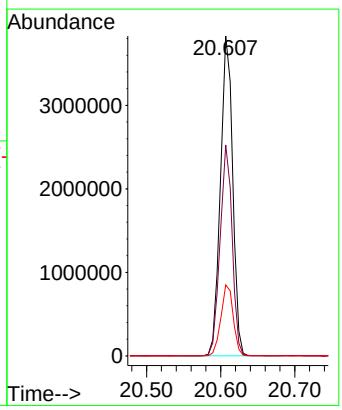


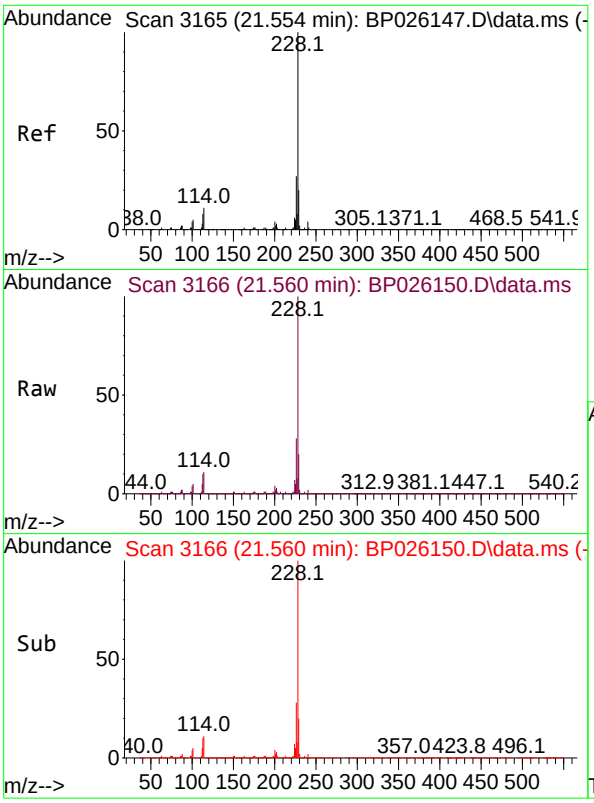


#80
Butylbenzylphthalate
Concen: 80.859 ng
RT: 20.607 min Scan# 3004
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:149 Resp: 4393302

Ion	Ratio	Lower	Upper
149	100		
91	65.9	52.6	79.0
206	22.2	16.9	25.3

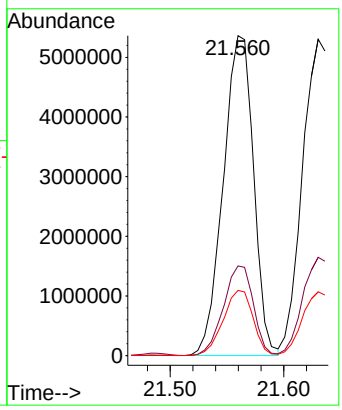




#81
Benzo(a)anthracene
Concen: 77.479 ng
RT: 21.560 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:228 Resp: 994914

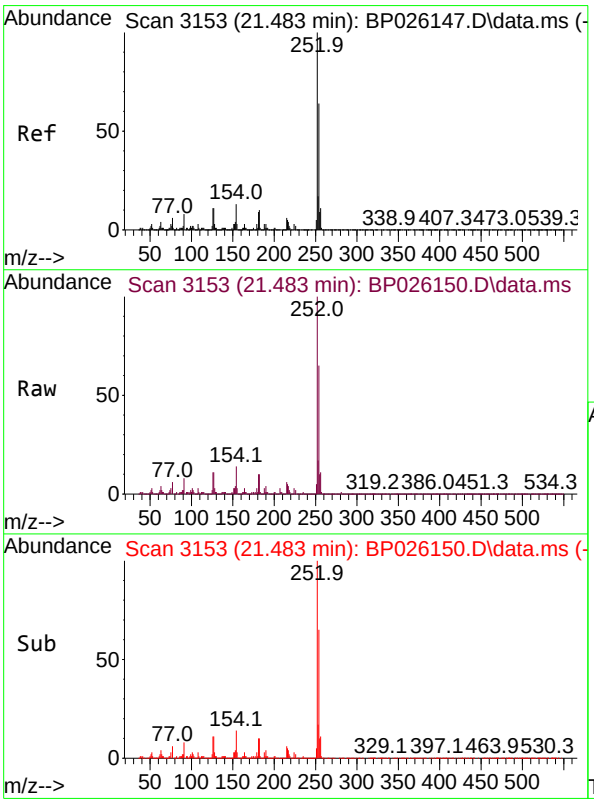
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.4	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

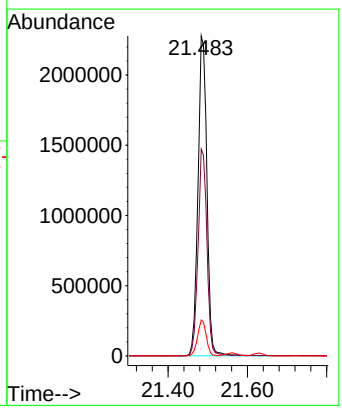
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

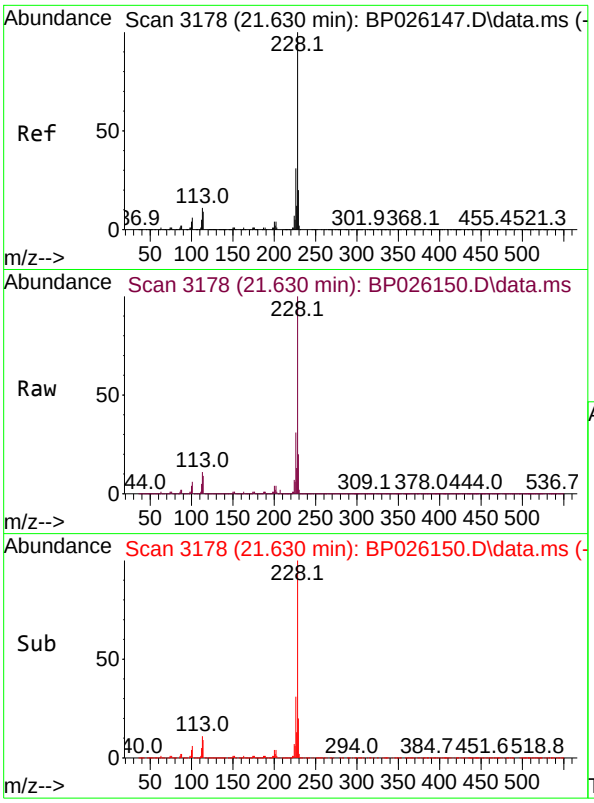


#82
3,3'-Dichlorobenzidine
Concen: 76.221 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:252 Resp: 3556791

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	11.2	8.2	12.4

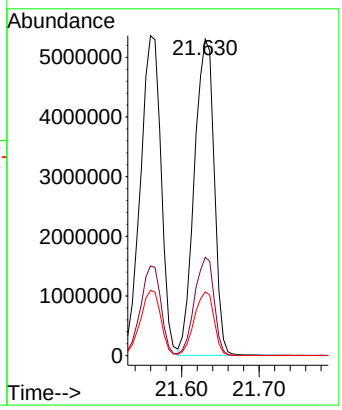




#83
Chrysene
Concen: 77.856 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:228 Resp: 941234

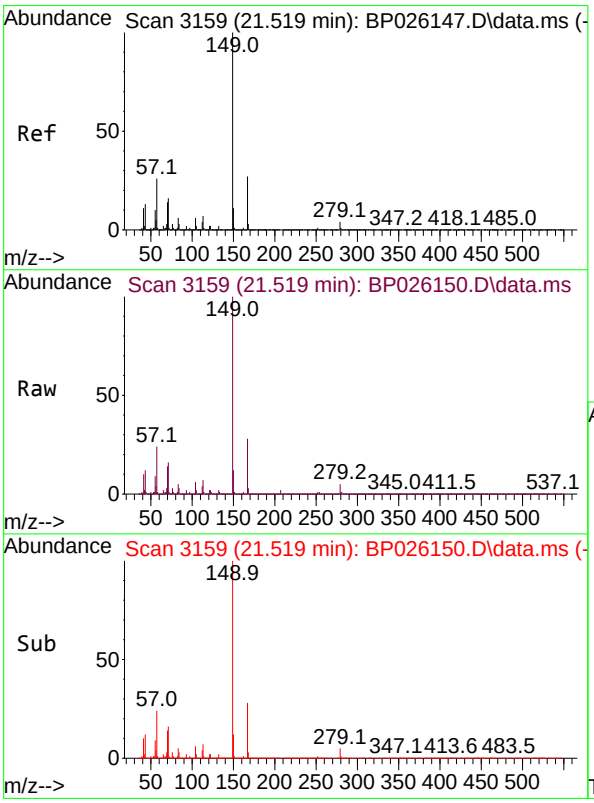
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	20.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

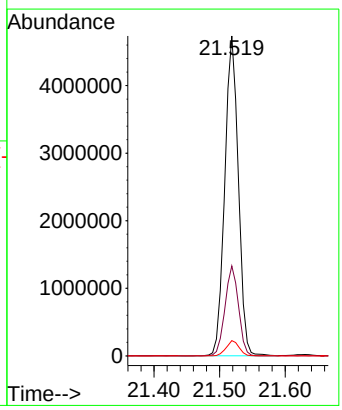
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

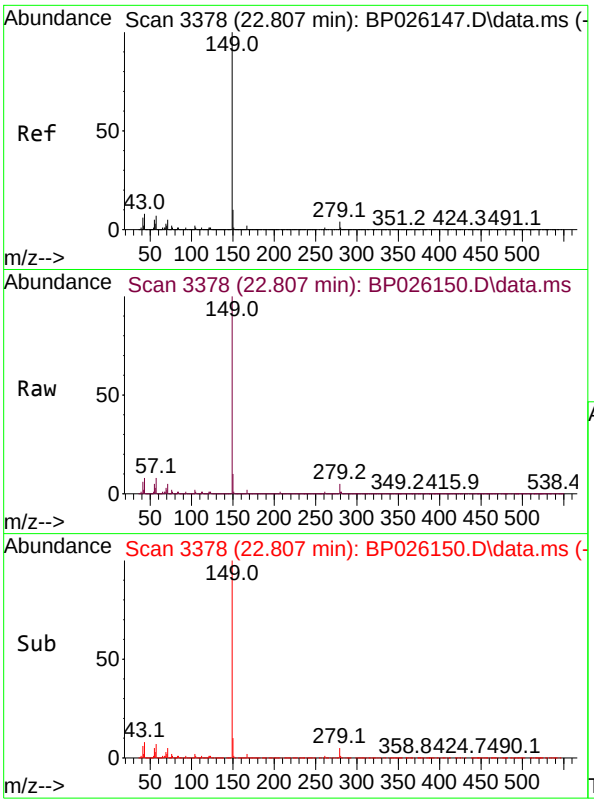


#84
Bis(2-ethylhexyl)phthalate
Concen: 83.686 ng
RT: 21.519 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:149 Resp: 6825162

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	4.8	3.3	4.9

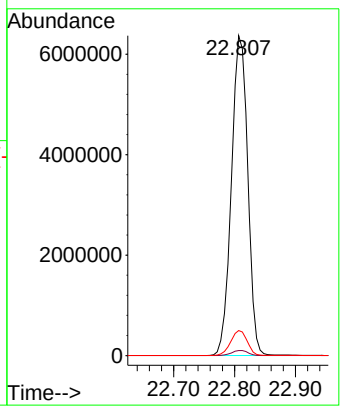




#85
Di-n-octyl phthalate
Concen: 82.666 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:149 Resp:1186472

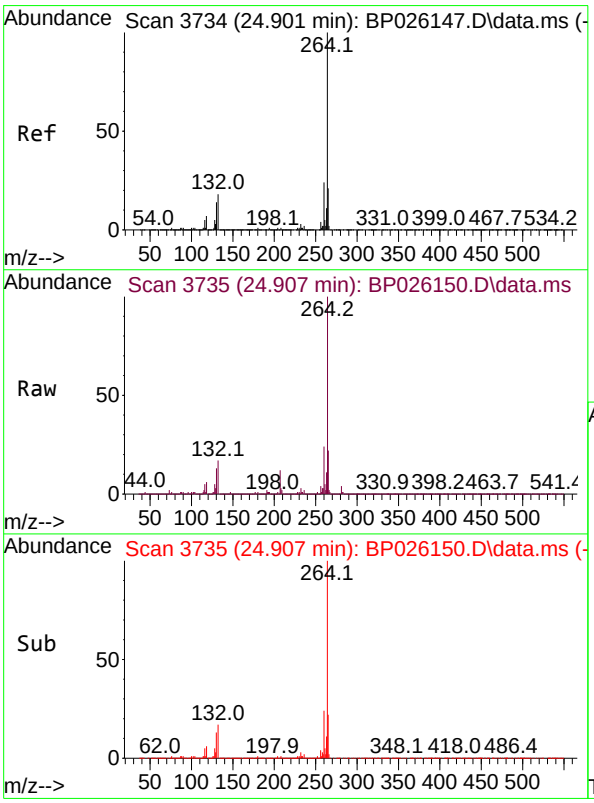
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

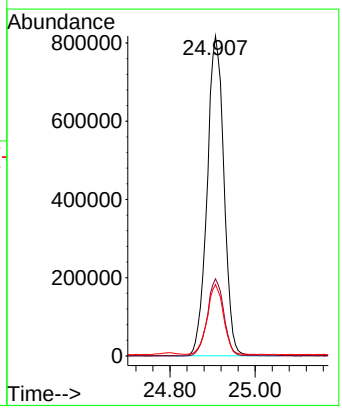
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

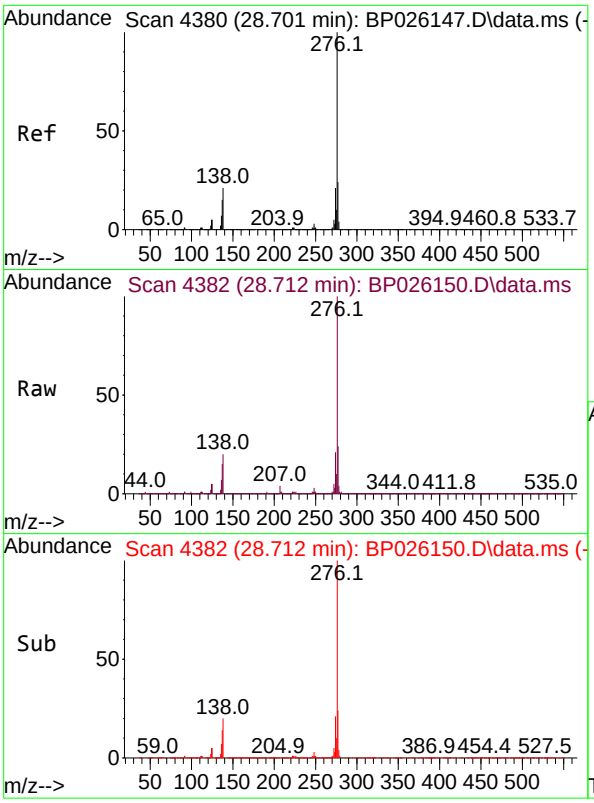


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:264 Resp: 2234365

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.3	17.5	26.3

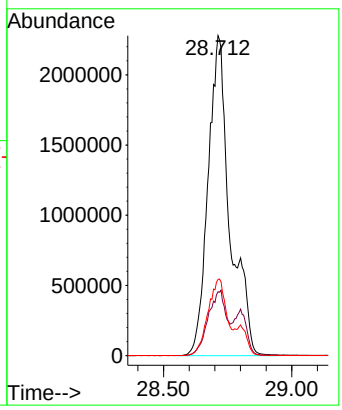




#87
Indeno(1,2,3-cd)pyrene
Concen: 81.129 ng m
RT: 28.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:276 Resp:1350425

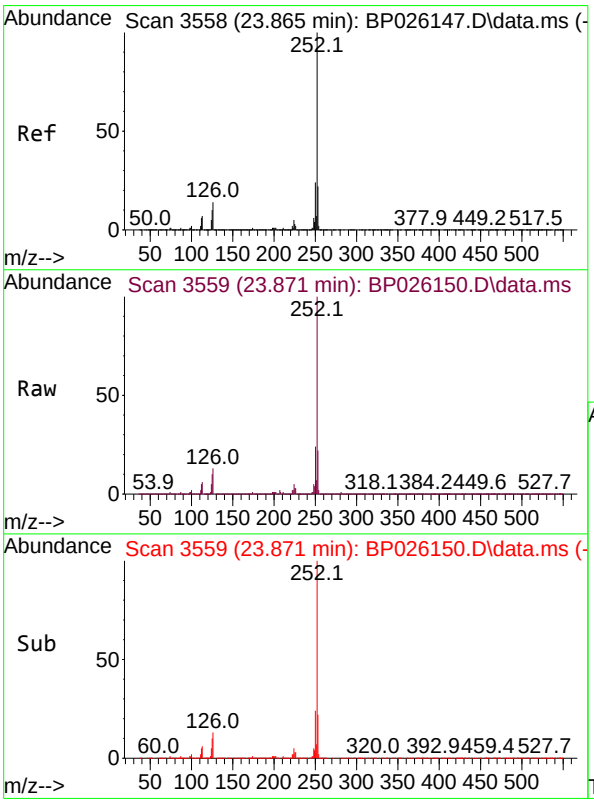
Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.8	20.8
277	20.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

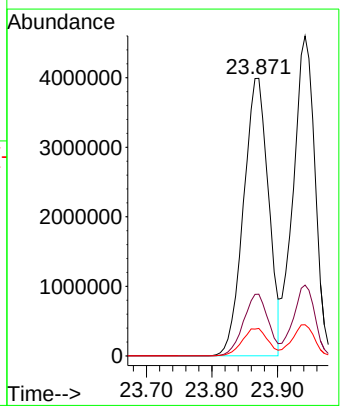
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

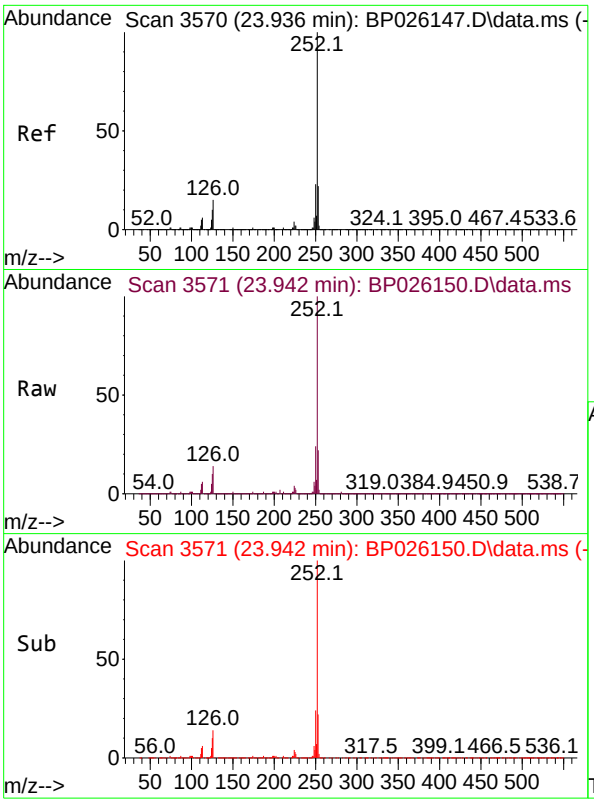


#88
Benzo(b)fluoranthene
Concen: 77.620 ng
RT: 23.871 min Scan# 3559
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:252 Resp:10544016

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.9	8.2	12.4

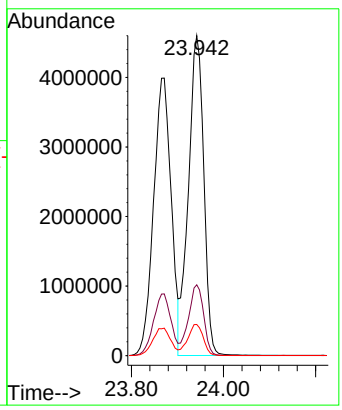




#89
Benzo(k)fluoranthene
Concen: 78.288 ng
RT: 23.942 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:252 Resp:1062866

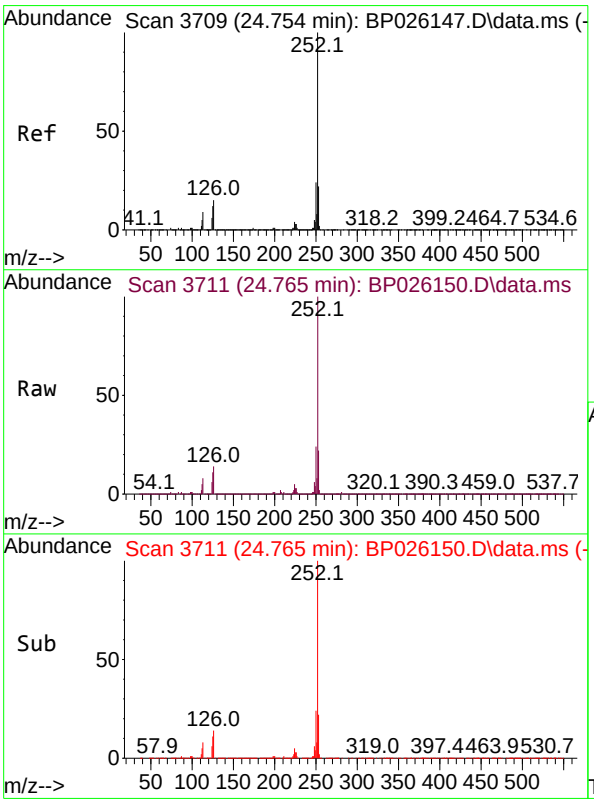
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.7	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

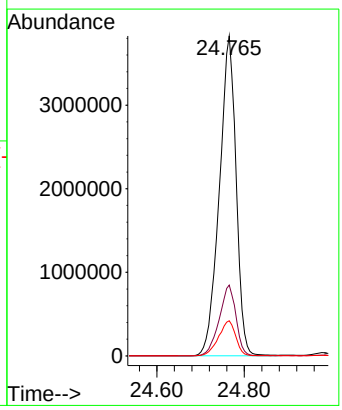
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

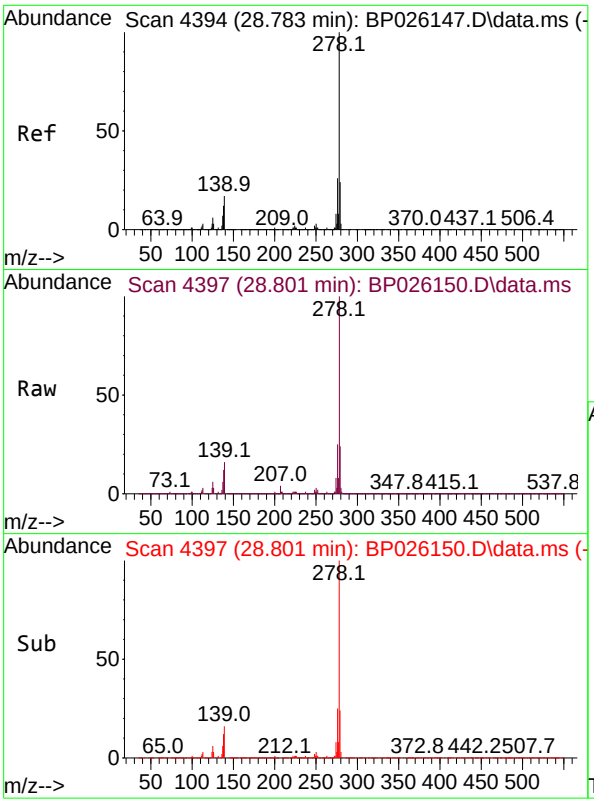


#90
Benzo(a)pyrene
Concen: 79.216 ng
RT: 24.765 min Scan# 3711
Delta R.T. 0.012 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:252 Resp:10207772

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.0	9.0	13.6

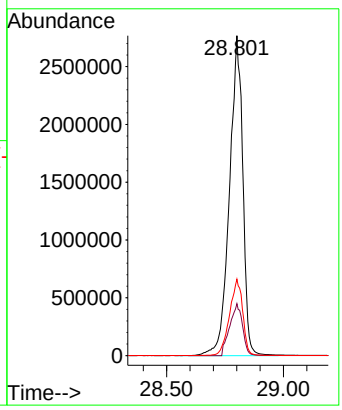




#91
Dibenzo(a,h)anthracene
Concen: 80.721 ng
RT: 28.801 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:278 Resp:1101203

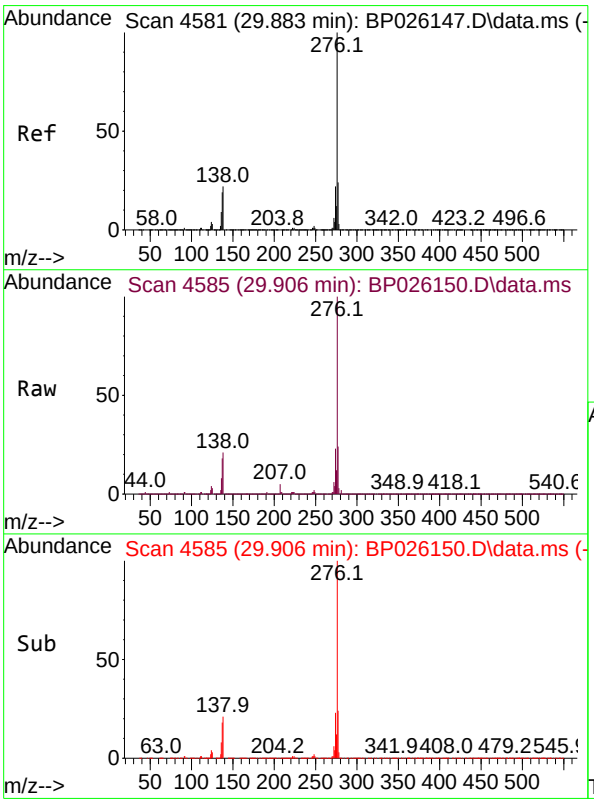
Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.2	19.8
279	23.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

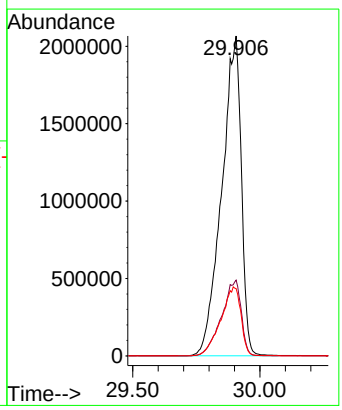
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 81.458 ng
RT: 29.906 min Scan# 4585
Delta R.T. 0.024 min
Lab File: BP026150.D
Acq: 18 Nov 2025 21:22

Tgt Ion:276 Resp:11030115

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	21.0	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.672	152	361595	20.000	ng		0.00
21) Naphthalene-d8	10.443	136	1582932	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	1060115	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	2119946	20.000	ng		0.00
76) Chrysene-d12	21.577	240	2196318	20.000	ng		0.00
86) Perylene-d12	24.907	264	2586780	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.290	112	1800651	79.929	ng		0.00
7) Phenol-d6	6.855	99	2411815	84.094	ng		0.00
23) Nitrobenzene-d5	8.813	82	2249363	80.717	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	1107358	80.522	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	5498471	76.016	ng		0.00
79) Terphenyl-d14	19.872	244	8445903	78.411	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.225	88	343507	37.593	ng		100
3) Pyridine	3.614	79	1054187	39.921	ng		100
4) n-Nitrosodimethylamine	3.525	42	394191	39.942	ng		97
6) Aniline	7.002	93	1580563	41.740	ng		98
8) 2-Chlorophenol	7.243	128	1055115	41.146	ng		99
9) Benzaldehyde	6.819	77	685617	45.618	ng		100
10) Phenol	6.878	94	1299478	42.060	ng		99
11) bis(2-Chloroethyl)ether	7.102	93	993460	41.067	ng		98
12) 1,3-Dichlorobenzene	7.566	146	1093655	39.587	ng		98
13) 1,4-Dichlorobenzene	7.708	146	1106341	39.742	ng		99
14) 1,2-Dichlorobenzene	8.019	146	1083058	40.516	ng		99
15) Benzyl Alcohol	7.908	79	891170	42.414	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1385943	40.794	ng		99
17) 2-Methylphenol	8.108	107	894546	42.532	ng		100
18) Hexachloroethane	8.743	117	409876	40.466	ng		98
19) n-Nitroso-di-n-propyla...	8.472	70	771683	43.311	ng		99
20) 3+4-Methylphenols	8.437	107	1238228	42.486	ng		100
22) Acetophenone	8.484	105	1599641	39.758	ng	#	99
24) Nitrobenzene	8.855	77	1132232	40.166	ng		98
25) Isophorone	9.384	82	2283034	41.325	ng		99
26) 2-Nitrophenol	9.555	139	600692	42.113	ng		99
27) 2,4-Dimethylphenol	9.625	122	1044113	40.595	ng		99
28) bis(2-Chloroethoxy)met...	9.854	93	1398232	40.412	ng		99
29) 2,4-Dichlorophenol	10.096	162	1058748	41.185	ng		100
30) 1,2,4-Trichlorobenzene	10.302	180	1034416	39.515	ng		98
31) Naphthalene	10.496	128	3382899	39.543	ng		99
32) Benzoic acid	9.778	122	916813	42.328	ng		100
33) 4-Chloroaniline	10.590	127	1497158	41.152	ng		99
34) Hexachlorobutadiene	10.790	225	663620	38.979	ng		99
35) Caprolactam	11.390	113	386416	41.978	ng		99
36) 4-Chloro-3-methylphenol	11.731	107	1169352	42.798	ng		99
37) 2-Methylnaphthalene	12.107	142	2480618	40.901	ng		100
38) 1-Methylnaphthalene	12.325	142	2436446	41.101	ng		100
40) 1,2,4,5-Tetrachloroben...	12.490	216	1239031	38.653	ng		99
41) Hexachlorocyclopentadiene	12.472	237	827636	39.451	ng		99
43) 2,4,6-Trichlorophenol	12.725	196	889628	40.482	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	986131	40.200	ng	98
46) 1,1'-Biphenyl	13.137	154	3104503	38.891	ng	100
47) 2-Chloronaphthalene	13.178	162	2436522	38.816	ng	100
48) 2-Nitroaniline	13.366	65	731047	41.880	ng	94
49) Acenaphthylene	14.031	152	4108111	39.676	ng	99
50) Dimethylphthalate	13.766	163	3116904	39.365	ng	100
51) 2,6-Dinitrotoluene	13.878	165	675339	43.045	ng	100
52) Acenaphthene	14.378	154	2361523	38.919	ng	99
53) 3-Nitroaniline	14.213	138	782672	42.369	ng	99
54) 2,4-Dinitrophenol	14.419	184	403157	42.569	ng	98
55) Dibenzofuran	14.719	168	3668770	39.037	ng	100
56) 4-Nitrophenol	14.531	139	673671	40.312	ng	98
57) 2,4-Dinitrotoluene	14.684	165	997423	42.577	ng	99
58) Fluorene	15.389	166	2894223	38.962	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	846319	40.668	ng	100
60) Diethylphthalate	15.160	149	3115428	39.059	ng	99
61) 4-Chlorophenyl-phenyle...	15.384	204	1437111	38.882	ng	100
62) 4-Nitroaniline	15.401	138	780732	40.700	ng	99
63) Azobenzene	15.684	77	2678923	39.832	ng	99
65) 4,6-Dinitro-2-methylph...	15.460	198	568324	42.199	ng	95
66) n-Nitrosodiphenylamine	15.607	169	2623713	40.009	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	960730	40.921	ng	99
68) Hexachlorobenzene	16.419	284	1097761	40.295	ng	96
69) Atrazine	16.589	200	985277	39.843	ng	99
70) Pentachlorophenol	16.772	266	775987	40.719	ng	99
71) Phenanthrene	17.178	178	4768475	39.930	ng	100
72) Anthracene	17.266	178	4875395	40.026	ng	99
73) Carbazole	17.536	167	4601692	39.777	ng	100
74) Di-n-butylphthalate	18.154	149	5331384	38.873	ng	100
75) Fluoranthene	19.260	202	5678696	39.137	ng	100
77) Benzidine	19.466	184	2769880	39.739	ng	99
78) Pyrene	19.636	202	5858930	40.685	ng	99
80) Butylbenzylphthalate	20.613	149	2485794	39.196	ng	99
81) Benzo(a)anthracene	21.560	228	5995605	39.748	ng	99
82) 3,3'-Dichlorobenzidine	21.483	252	2205669	40.210	ng	98
83) Chrysene	21.624	228	5679377	39.951	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3741593	38.974	ng	100
85) Di-n-octyl phthalate	22.807	149	6475670	38.576	ng	99
87) Indeno(1,2,3-cd)pyrene	28.701	276	7731323m	39.852	ng	
88) Benzo(b)fluoranthene	23.860	252	6338827	40.239	ng	100
89) Benzo(k)fluoranthene	23.936	252	6104845	38.799	ng	100
90) Benzo(a)pyrene	24.754	252	5947125	39.855	ng	100
91) Dibenzo(a,h)anthracene	28.783	278	6347656	39.970	ng	100
92) Benzo(g,h,i)perylene	29.859	276	6346496	40.207	ng	100

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

ICAL Form

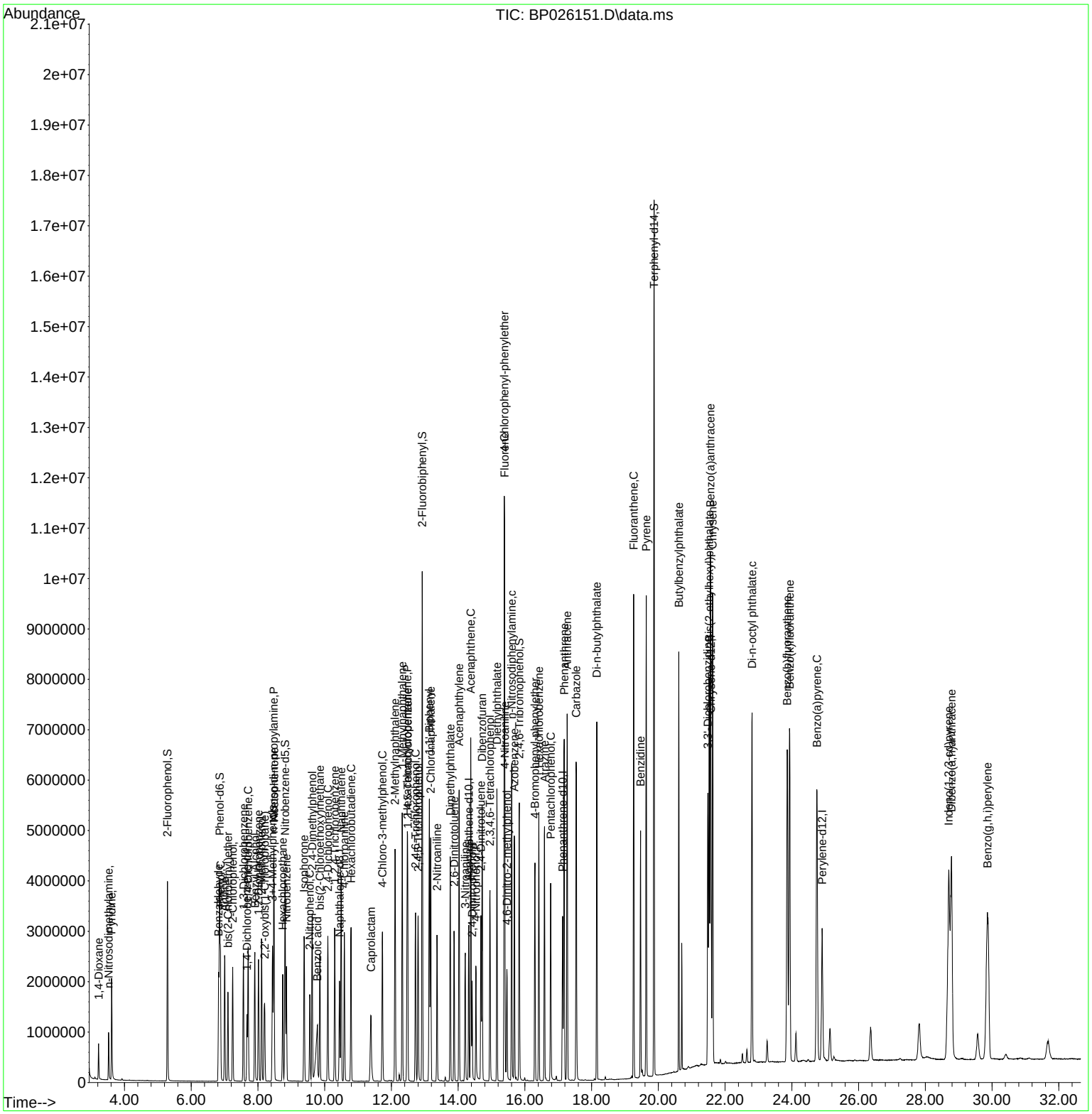
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

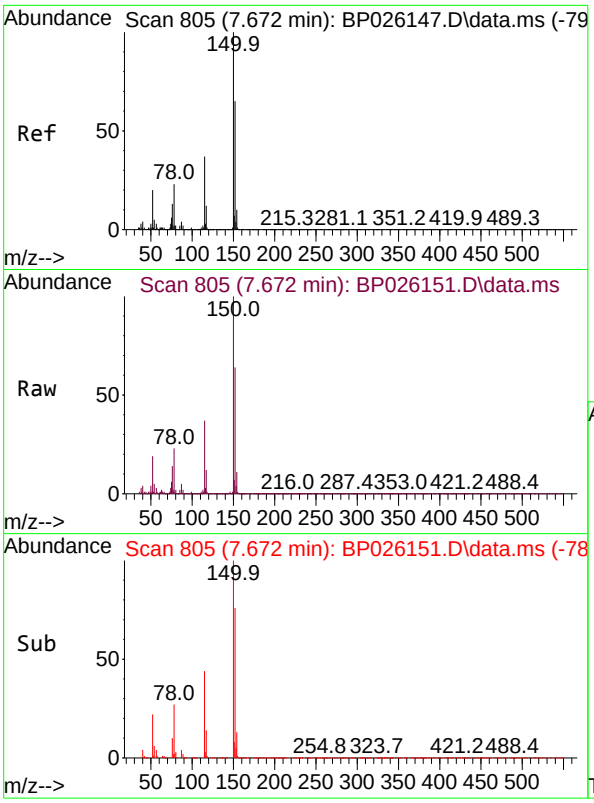
Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

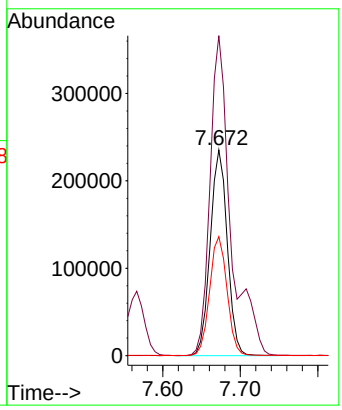




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:152 Resp: 36159

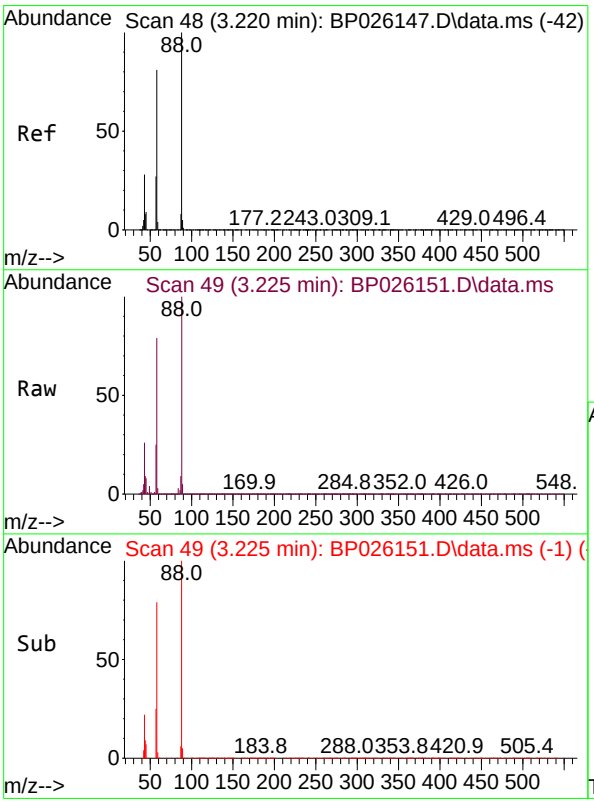
Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	57.9	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

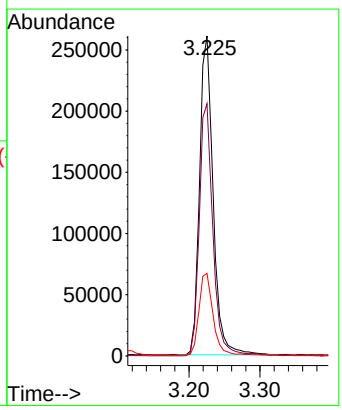
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

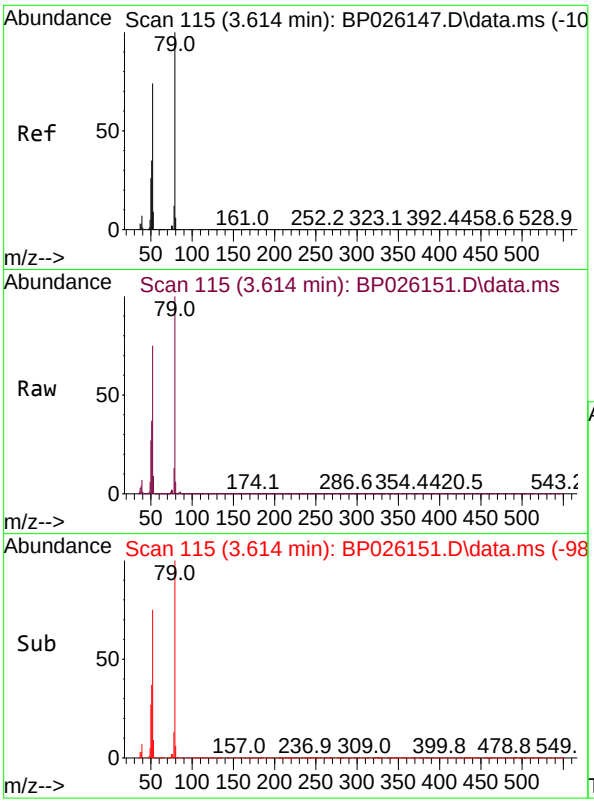


#2
1,4-Dioxane
Concen: 37.593 ng
RT: 3.225 min Scan# 49
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 88 Resp: 343507

Ion	Ratio	Lower	Upper
88	100		
58	80.0	64.2	96.4
43	26.8	21.5	32.3

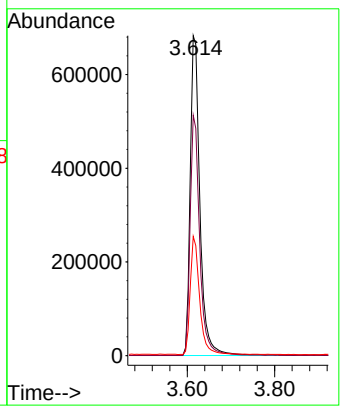




#3
Pyridine
Concen: 39.921 ng
RT: 3.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 79 Resp: 105418

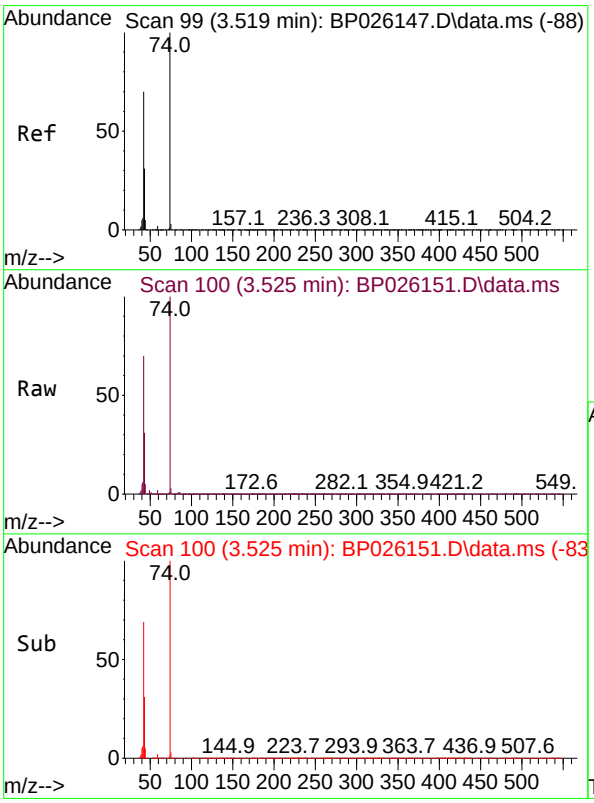
Ion	Ratio	Lower	Upper
79	100		
52	75.1	60.2	90.2
51	37.2	29.5	44.3



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

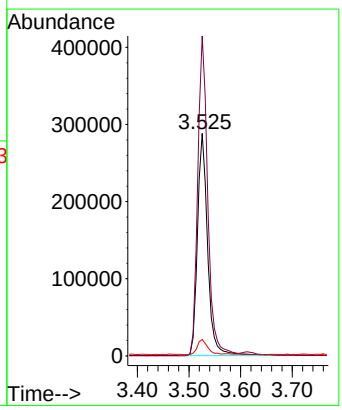
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

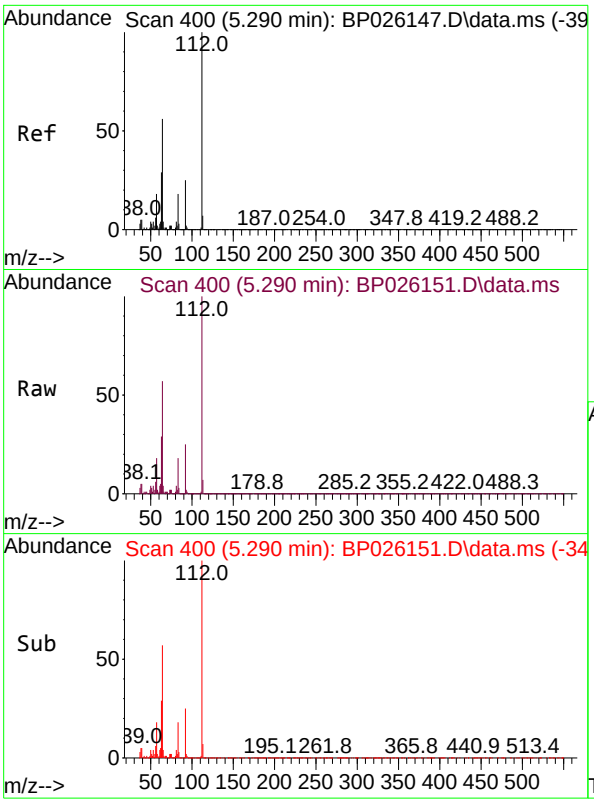


#4
n-Nitrosodimethylamine
Concen: 39.942 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 42 Resp: 394191

Ion	Ratio	Lower	Upper
42	100		
74	143.8	118.1	177.1
44	7.3	6.2	9.4

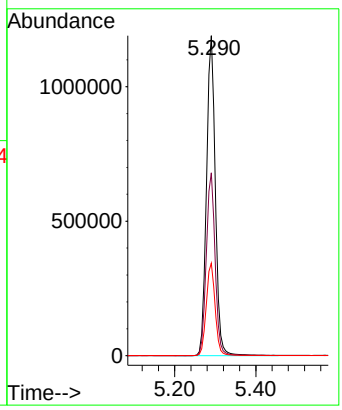




#5
2-Fluorophenol
Concen: 79.929 ng
RT: 5.290 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:112 Resp: 180065

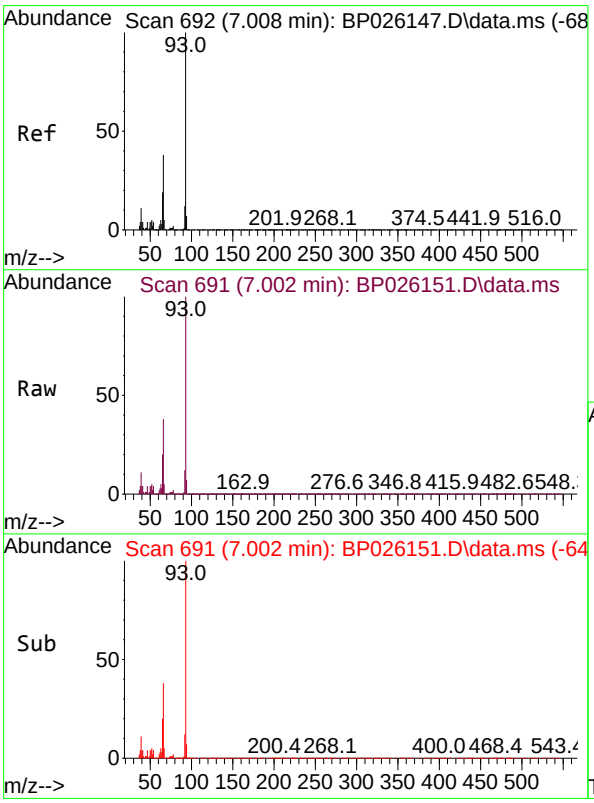
Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.8	68.6
63	28.9	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

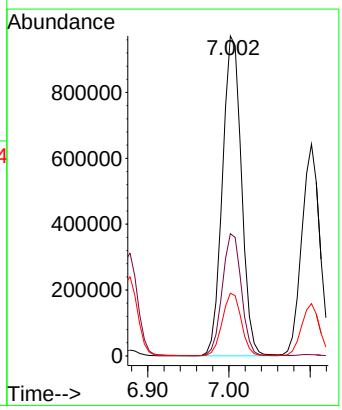
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

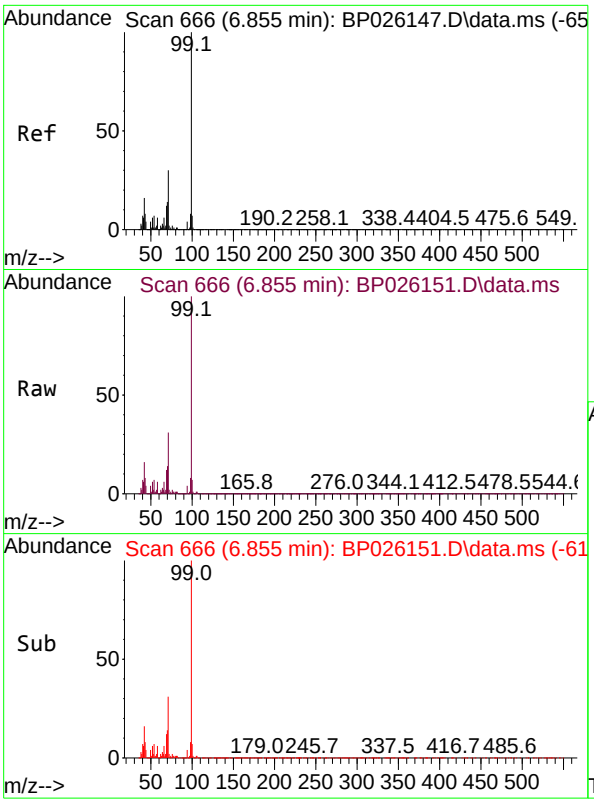


#6
Aniline
Concen: 41.740 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 93 Resp: 1580563

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.7	47.5
65	19.6	15.8	23.6

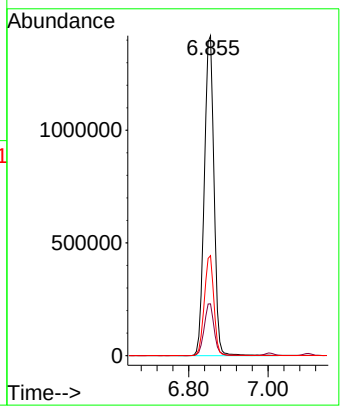




#7
Phenol-d6
Concen: 84.094 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 99 Resp: 241181

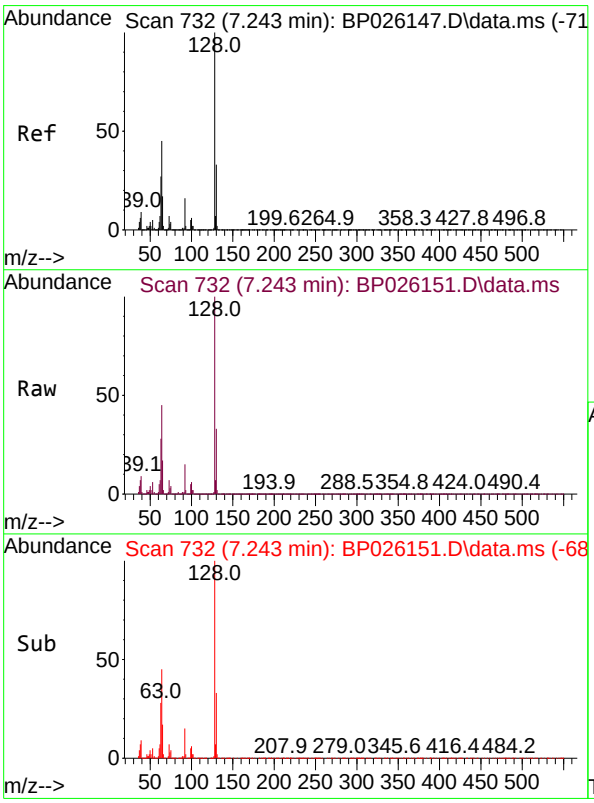
Ion	Ratio	Lower	Upper
99	100		
42	16.2	12.9	19.3
71	31.2	24.8	37.2



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

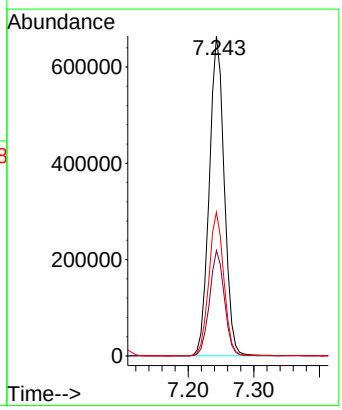
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

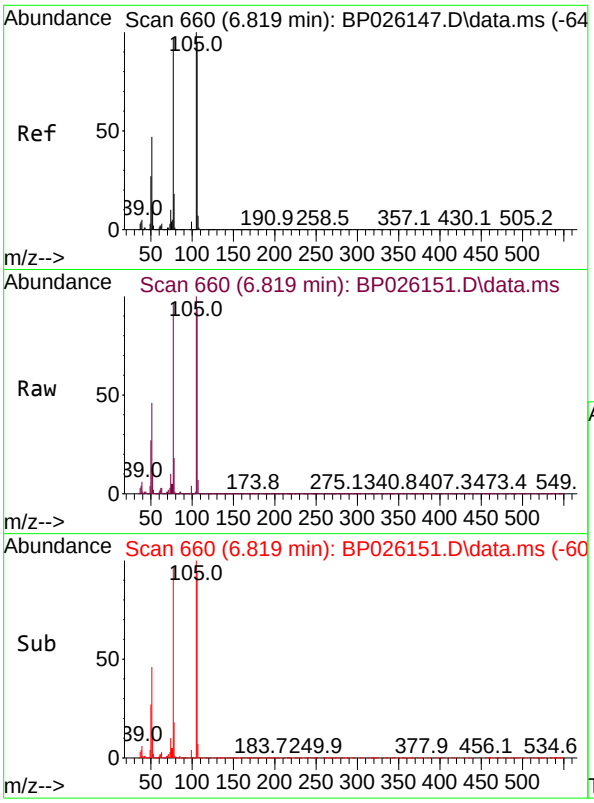


#8
2-Chlorophenol
Concen: 41.146 ng
RT: 7.243 min Scan# 732
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:128 Resp: 1055115

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.4	52.4
64	44.9	23.9	63.9

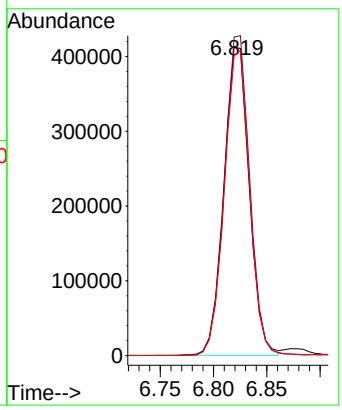




#9
Benzaldehyde
Concen: 45.618 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 77 Resp: 68561

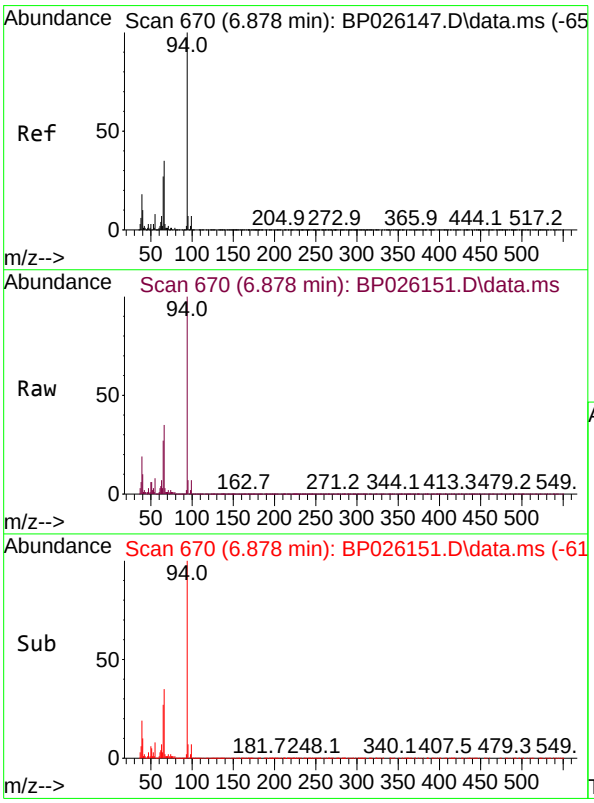
Ion	Ratio	Lower	Upper
77	100		
105	103.2	82.9	122.9
106	97.1	77.8	117.8



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

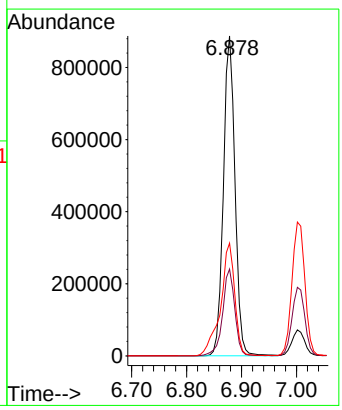
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

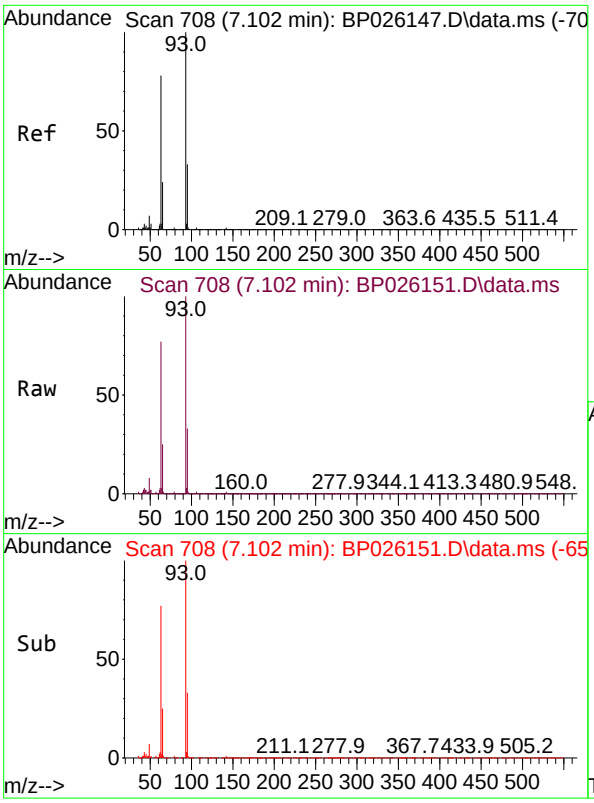


#10
Phenol
Concen: 42.060 ng
RT: 6.878 min Scan# 670
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 94 Resp: 1299478

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.0	47.0
66	35.2	14.5	54.5

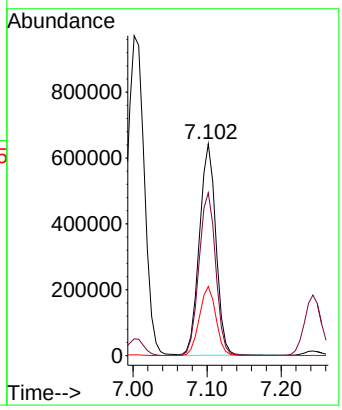




#11
bis(2-Chloroethyl)ether
Concen: 41.067 ng
RT: 7.102 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 93 Resp: 99346

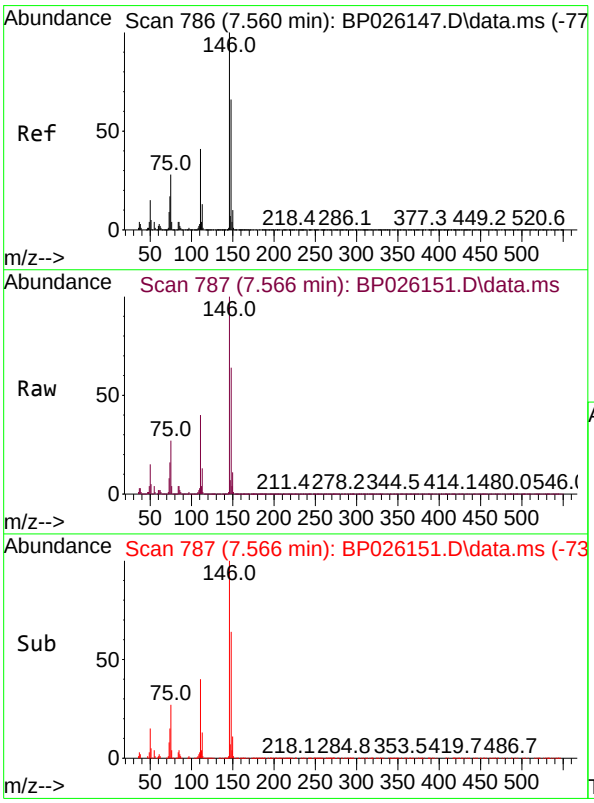
Ion	Ratio	Lower	Upper
93	100		
63	76.9	58.8	98.8
95	32.6	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

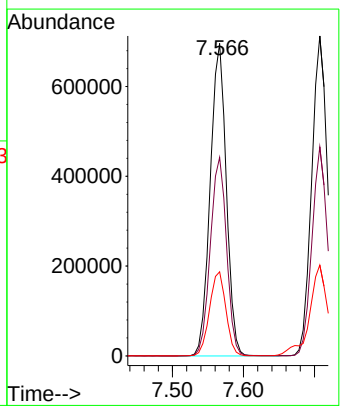
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

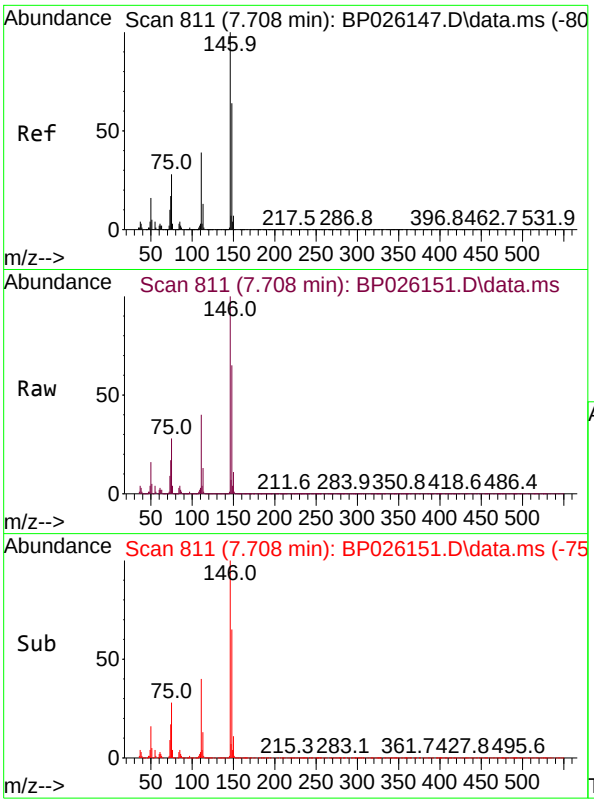


#12
1,3-Dichlorobenzene
Concen: 39.587 ng
RT: 7.566 min Scan# 787
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:146 Resp: 1093655

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
75	26.9	22.2	33.2





#13
1,4-Dichlorobenzene
Concen: 39.742 ng
RT: 7.708 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

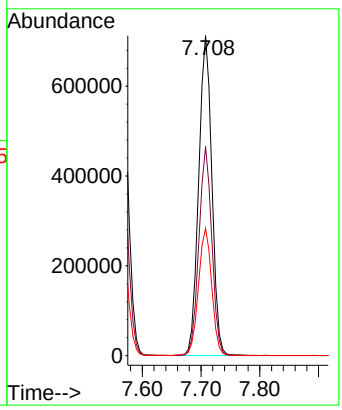
Tgt Ion:146 Resp: 110634

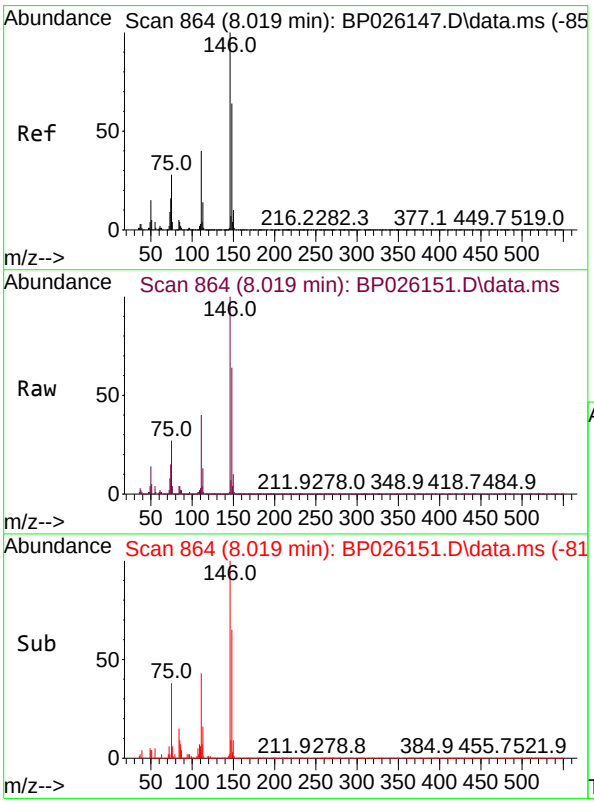
Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.2
111	39.7	31.7	47.5

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

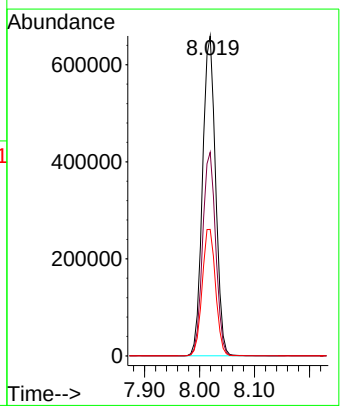


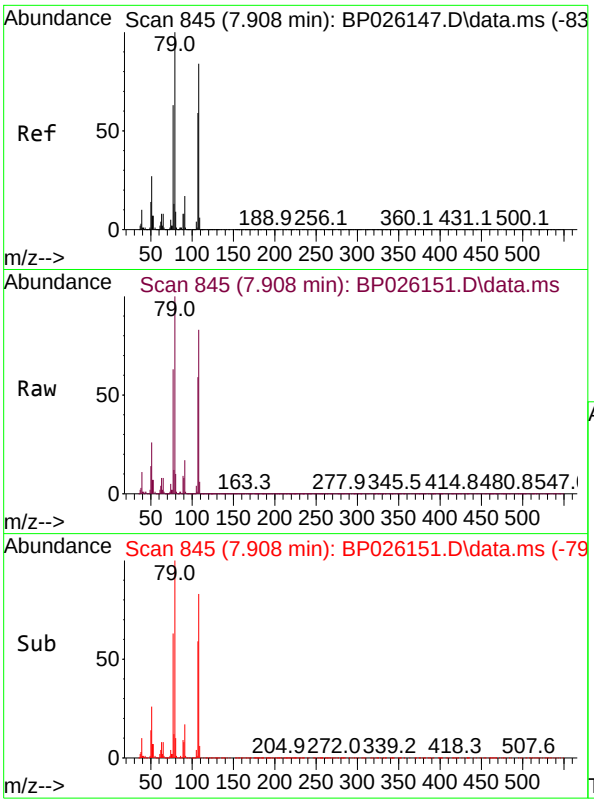


#14
1,2-Dichlorobenzene
Concen: 40.516 ng
RT: 8.019 min Scan# 864
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:146 Resp: 1083058

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
111	39.5	33.0	49.4

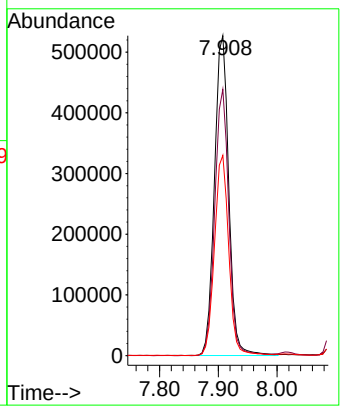




#15
Benzyl Alcohol
Concen: 42.414 ng
RT: 7.908 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 79 Resp: 89117

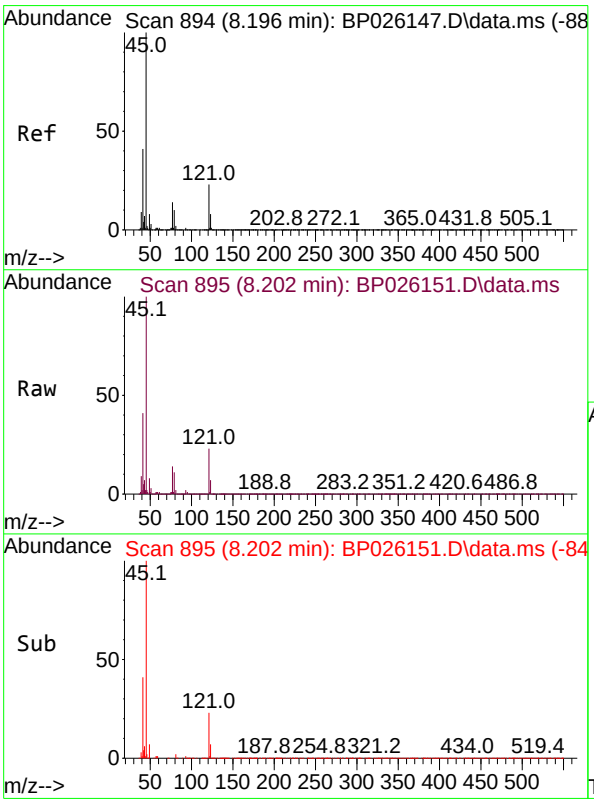
Ion	Ratio	Lower	Upper
79	100		
108	83.2	66.2	99.4
77	62.6	50.0	75.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

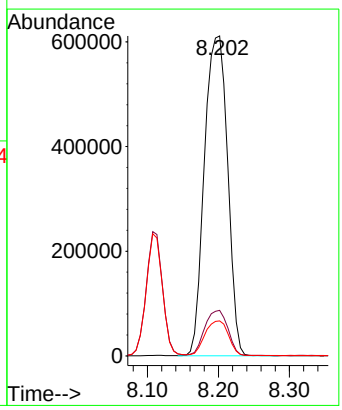
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

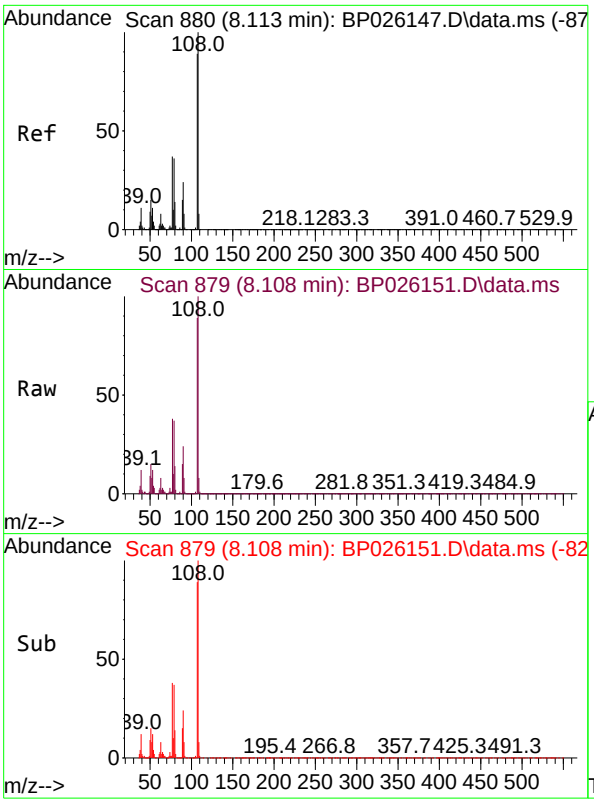


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.794 ng
RT: 8.202 min Scan# 895
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 45 Resp: 1385943

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.9
79	10.9	0.0	30.4

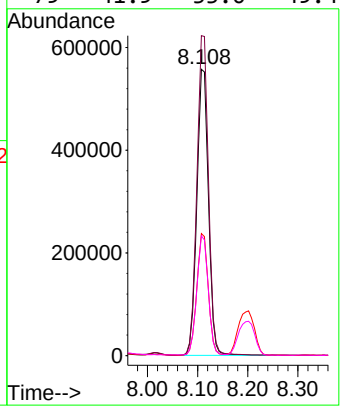




#17
2-Methylphenol
Concen: 42.532 ng
RT: 8.108 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:107 Resp: 89454

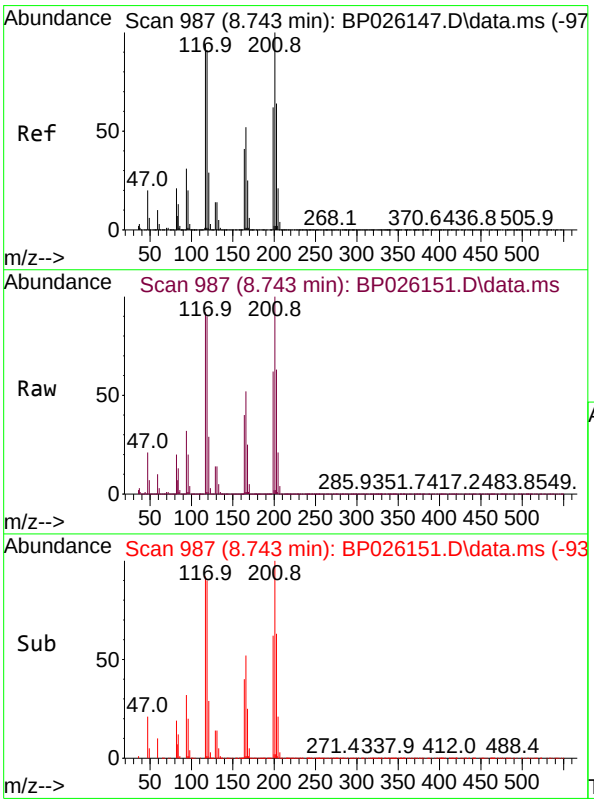
Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.7	134.5
77	42.6	33.9	50.9
79	41.9	33.0	49.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

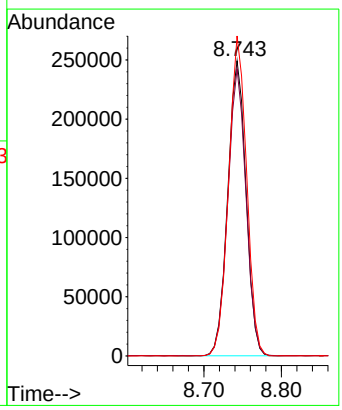
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

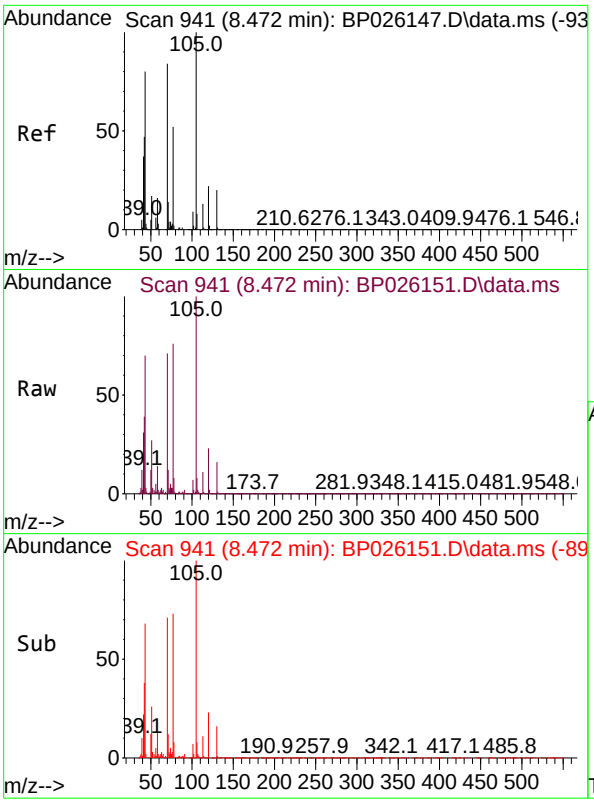


#18
Hexachloroethane
Concen: 40.466 ng
RT: 8.743 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:117 Resp: 409876

Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.7	118.1
201	108.4	85.1	127.7

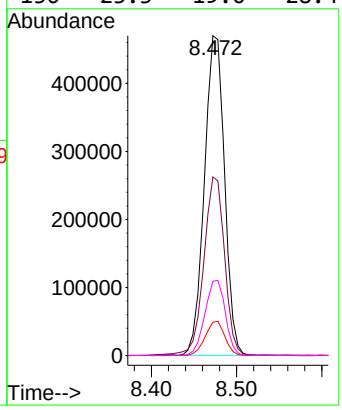




#19
n-Nitroso-di-n-propylamine
Concen: 43.311 ng
RT: 8.472 min Scan# 94
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 70 Resp: 77168

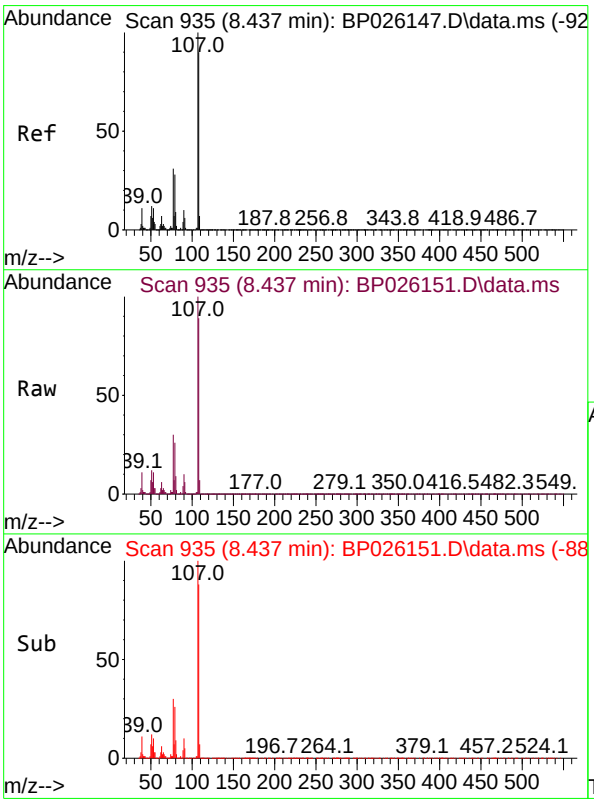
Ion	Ratio	Lower	Upper
70	100		
42	55.8	44.1	66.1
101	10.5	8.2	12.4
130	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

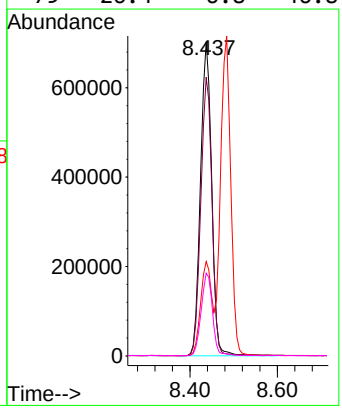
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

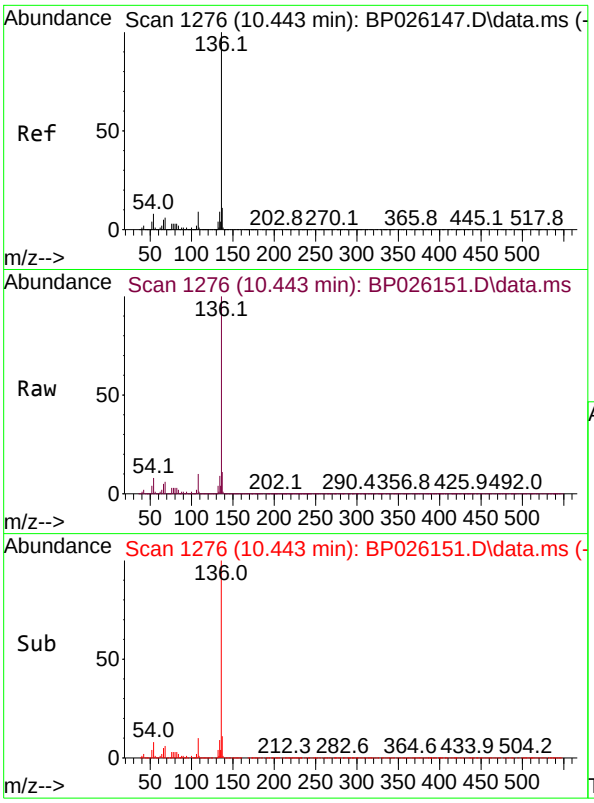


#20
3+4-Methylphenols
Concen: 42.486 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:107 Resp: 1238228

Ion	Ratio	Lower	Upper
107	100		
108	88.8	68.9	108.9
77	30.0	10.4	50.4
79	26.4	6.8	46.8

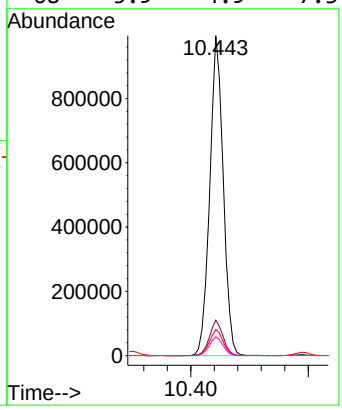




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:136 Resp: 158293

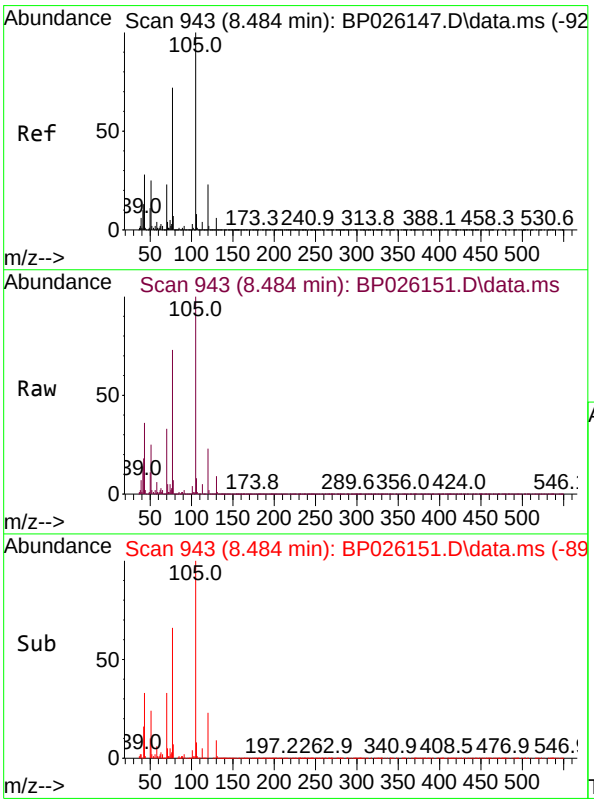
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.2	6.4	9.6
68	5.9	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

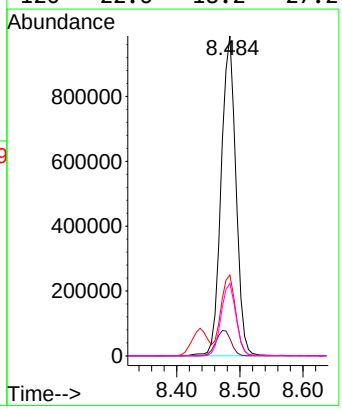
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

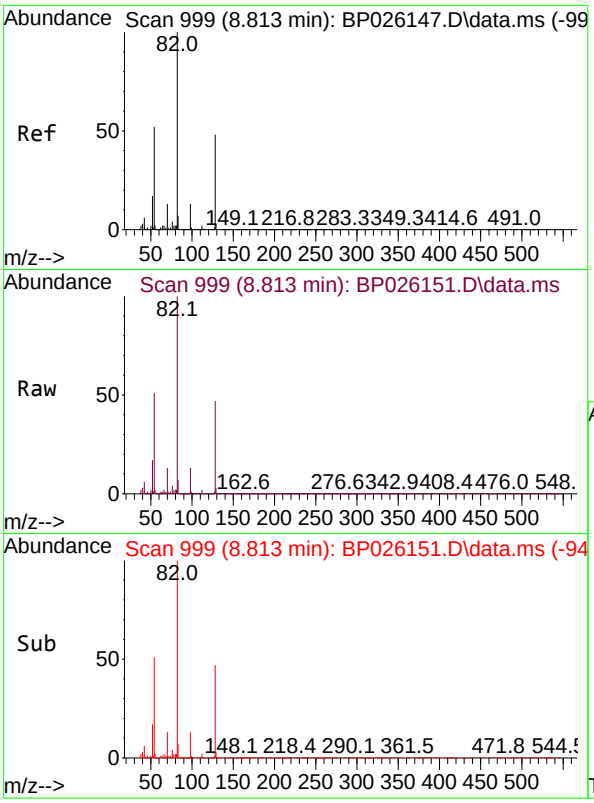


#22
Acetophenone
Concen: 39.758 ng
RT: 8.484 min Scan# 943
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:105 Resp: 1599641

Ion	Ratio	Lower	Upper
105	100		
71	5.4	3.0	4.4#
51	25.3	20.5	30.7
120	22.6	18.2	27.2

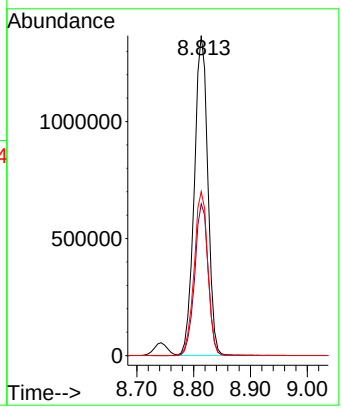




#23
Nitrobenzene-d5
Concen: 80.717 ng
RT: 8.813 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 82 Resp: 224936

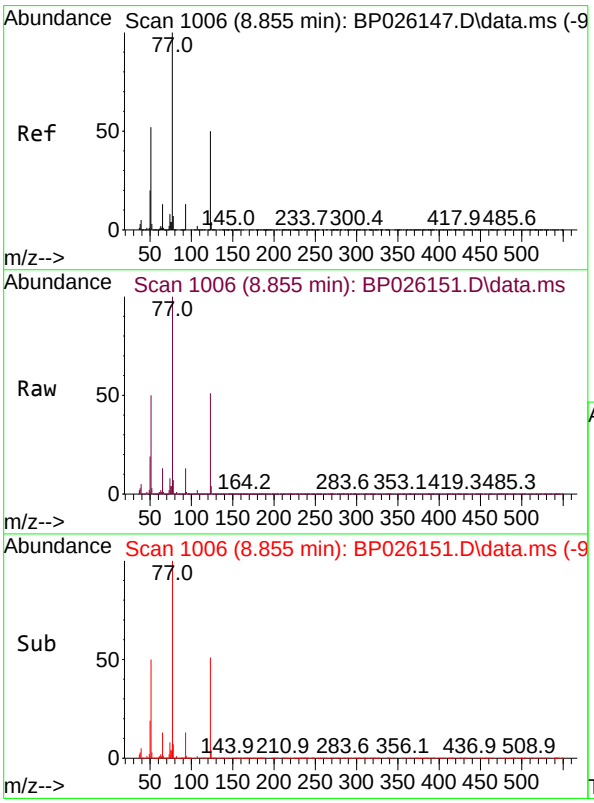
Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	51.2	41.6	62.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

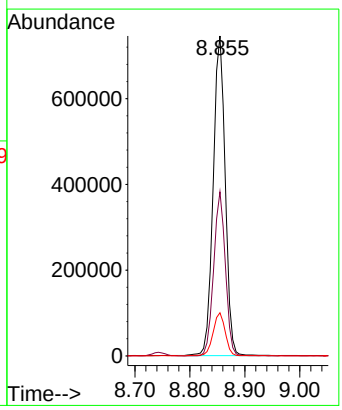
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

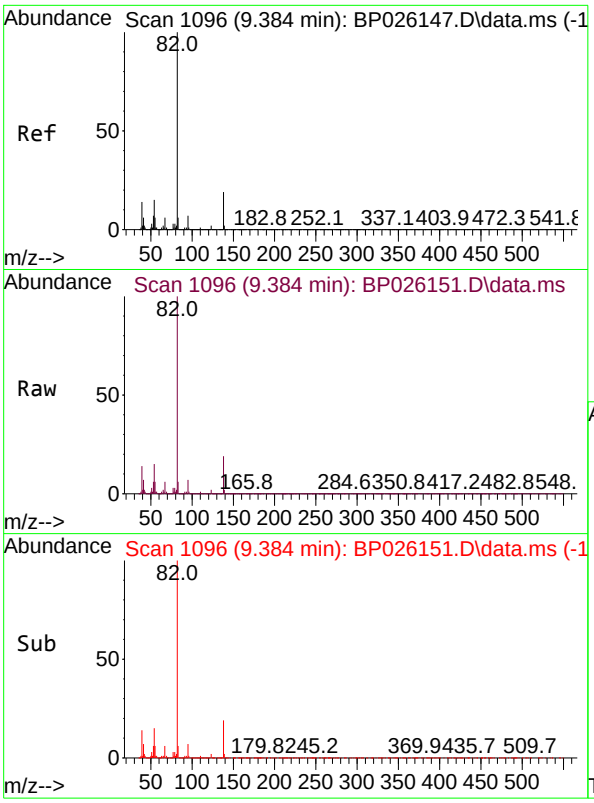


#24
Nitrobenzene
Concen: 40.166 ng
RT: 8.855 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 77 Resp: 1132232

Ion	Ratio	Lower	Upper
77	100		
123	51.3	39.8	59.8
65	13.5	11.2	16.8

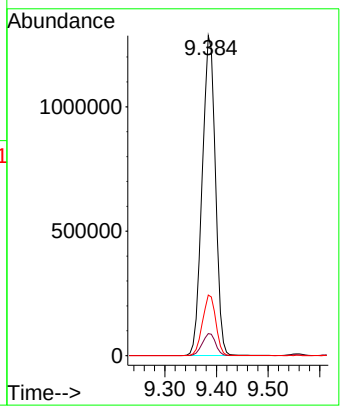




#25
Isophorone
Concen: 41.325 ng
RT: 9.384 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 82 Resp: 228303

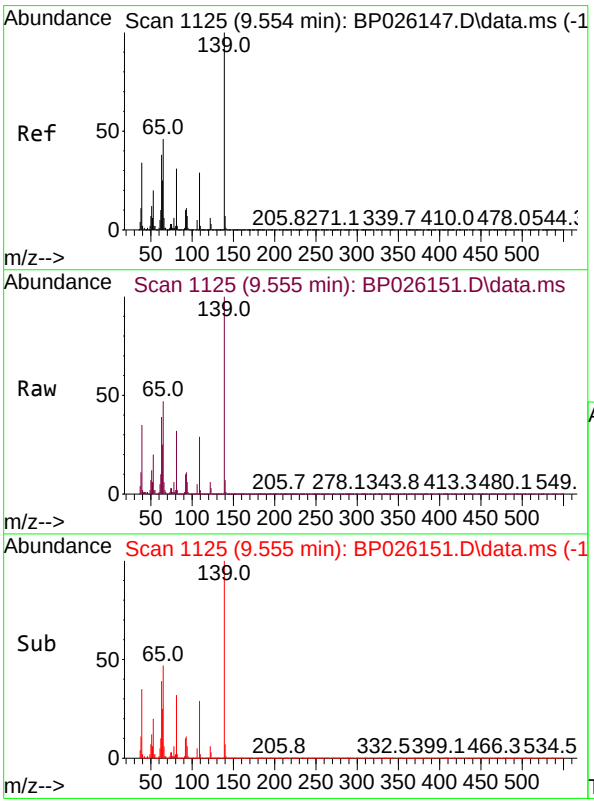
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	18.9	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

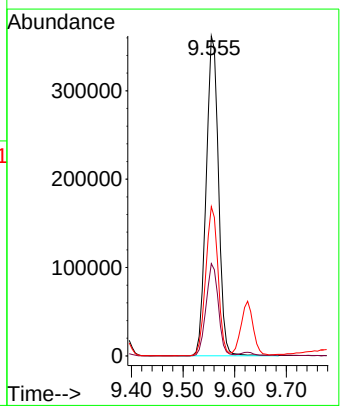
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

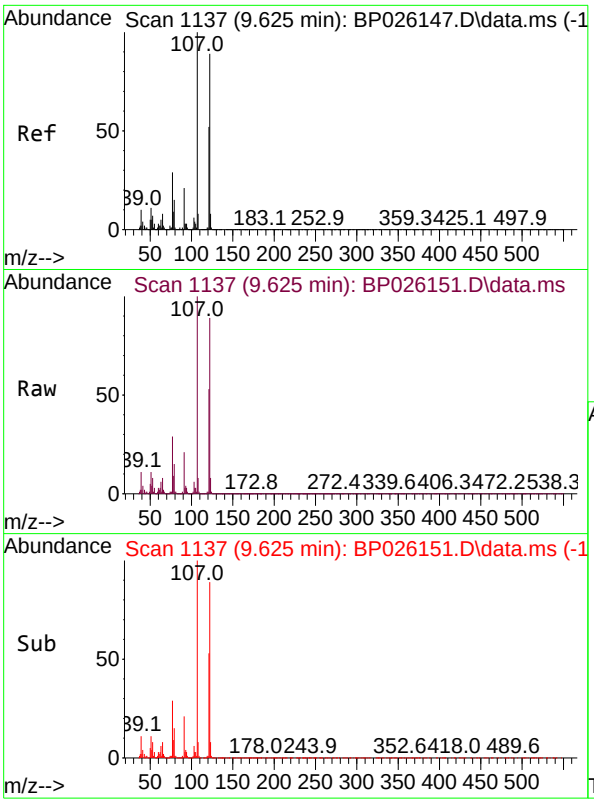


#26
2-Nitrophenol
Concen: 42.113 ng
RT: 9.555 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:139 Resp: 600692

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.3	33.5
65	46.7	37.2	55.8

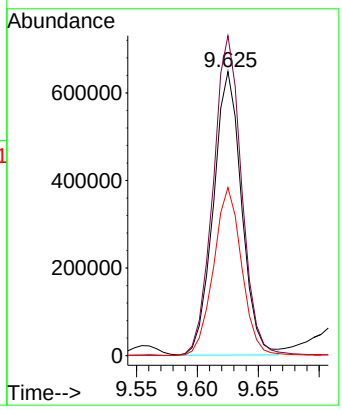




#27
2,4-Dimethylphenol
Concen: 40.595 ng
RT: 9.625 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:122 Resp: 104411

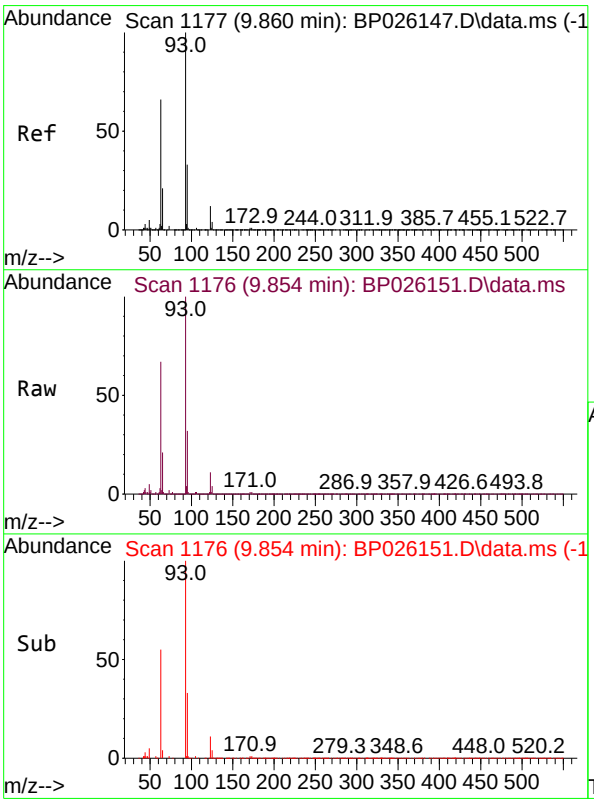
Ion	Ratio	Lower	Upper
122	100		
107	112.7	91.0	136.6
121	59.2	47.0	70.6



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

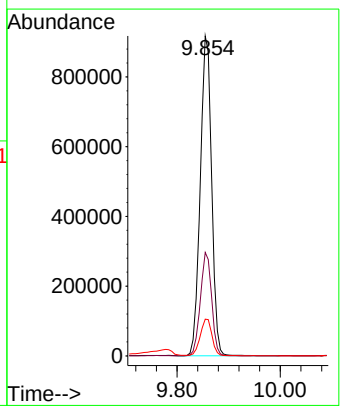
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

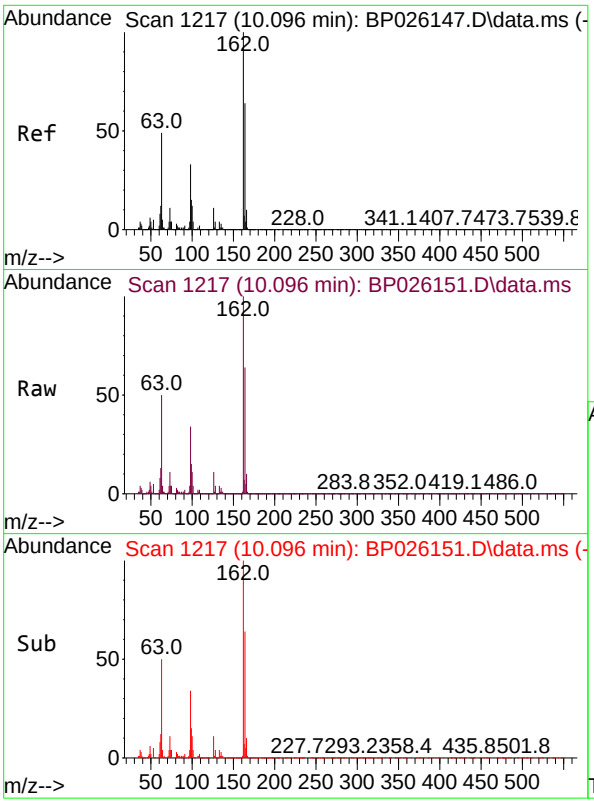


#28
bis(2-Chloroethoxy)methane
Concen: 40.412 ng
RT: 9.854 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 93 Resp: 1398232

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	11.5	9.4	14.0

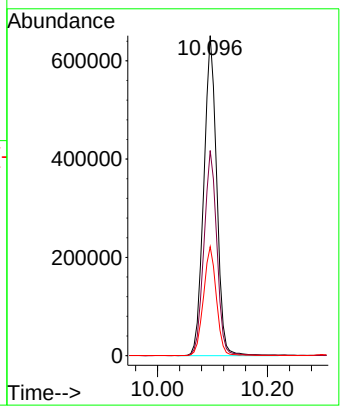




#29
2,4-Dichlorophenol
Concen: 41.185 ng
RT: 10.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:162 Resp: 105874

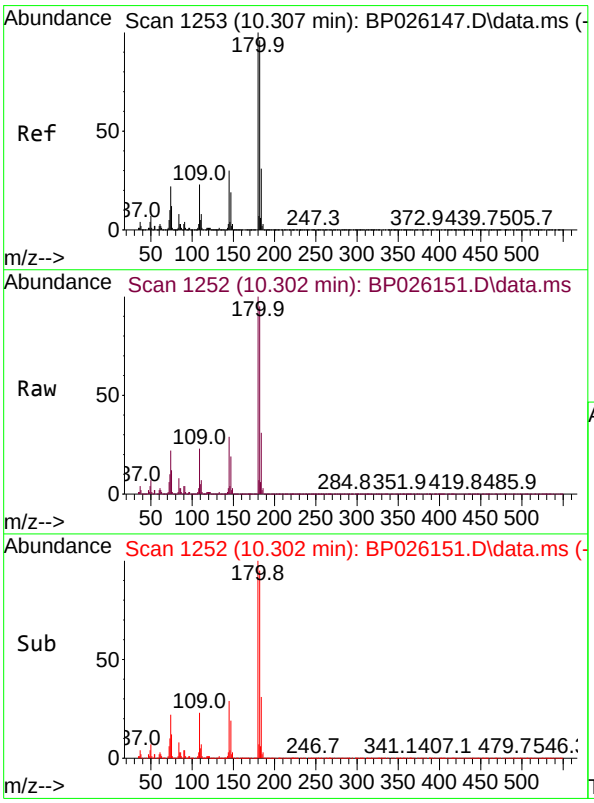
Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.8	83.8
98	34.0	14.1	54.1



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

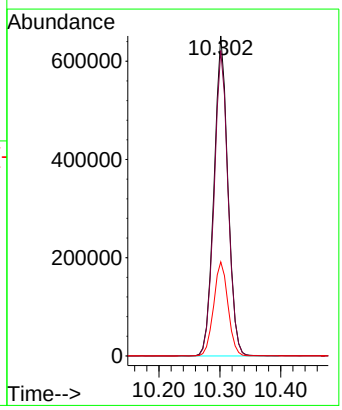
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

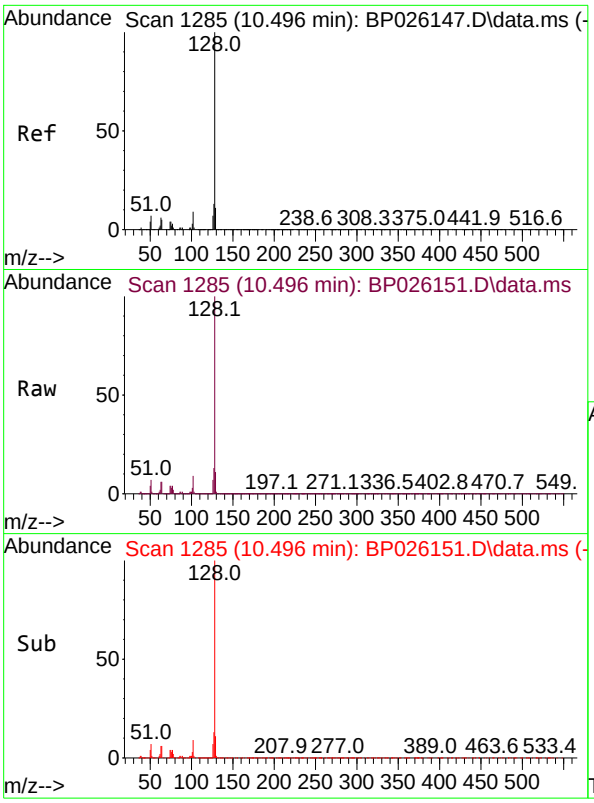


#30
1,2,4-Trichlorobenzene
Concen: 39.515 ng
RT: 10.302 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:180 Resp: 1034416

Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.1	117.1
145	29.4	24.2	36.4

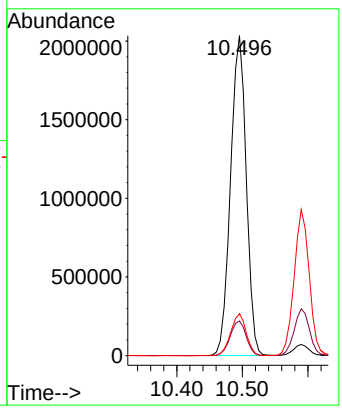




#31
Naphthalene
Concen: 39.543 ng
RT: 10.496 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:128 Resp: 3382899

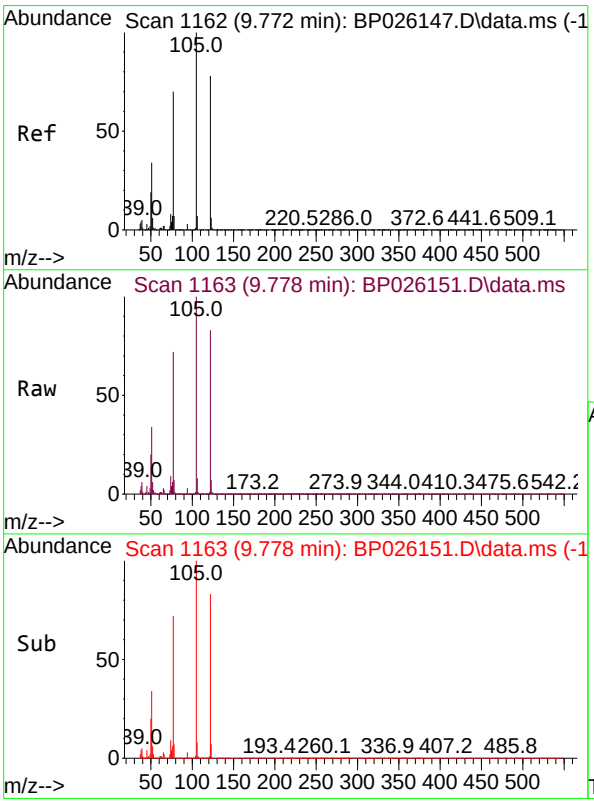
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

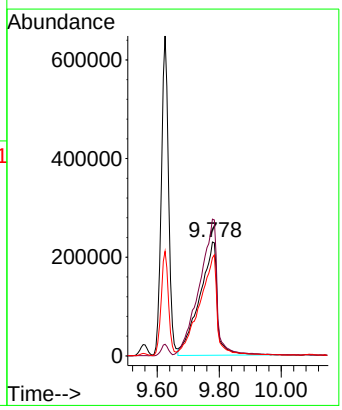
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

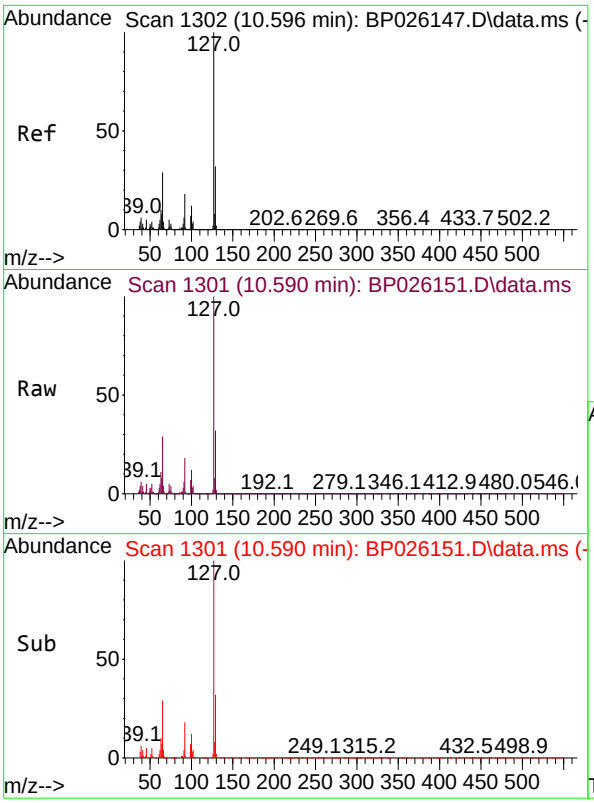


#32
Benzoic acid
Concen: 42.328 ng
RT: 9.778 min Scan# 1163
Delta R.T. 0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:122 Resp: 916813

Ion	Ratio	Lower	Upper
122	100		
105	120.1	100.1	140.1
77	86.2	66.7	106.7

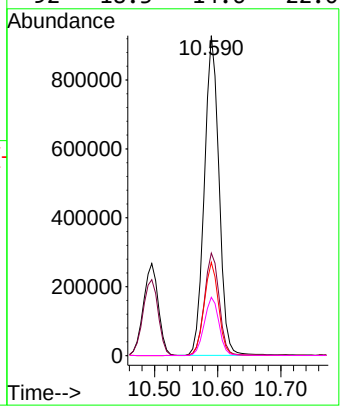




#33
4-Chloroaniline
Concen: 41.152 ng
RT: 10.590 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:127 Resp: 149715

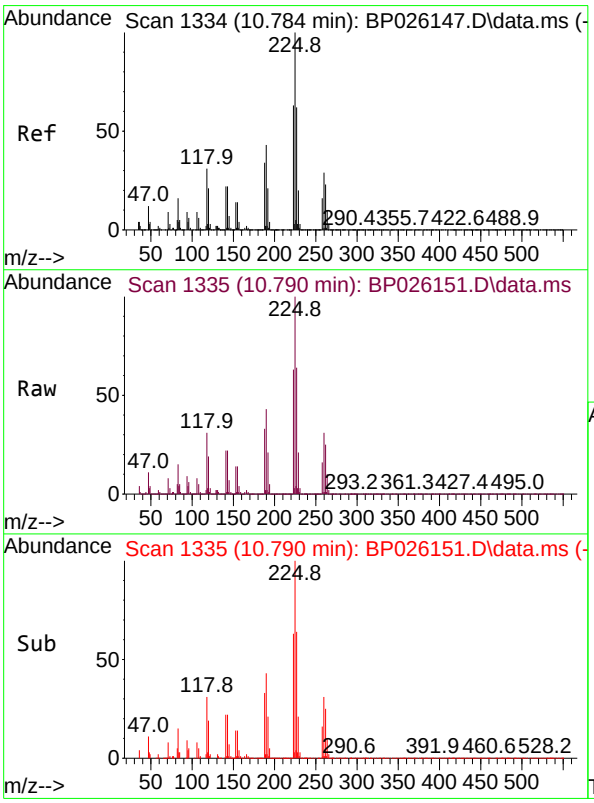
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	29.1	22.7	34.1
92	18.3	14.6	22.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

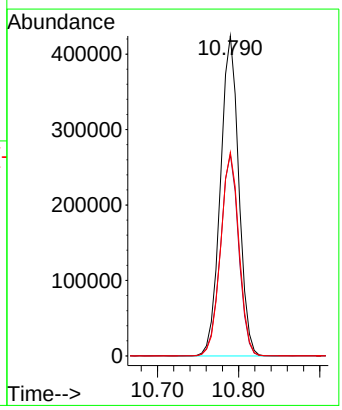
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

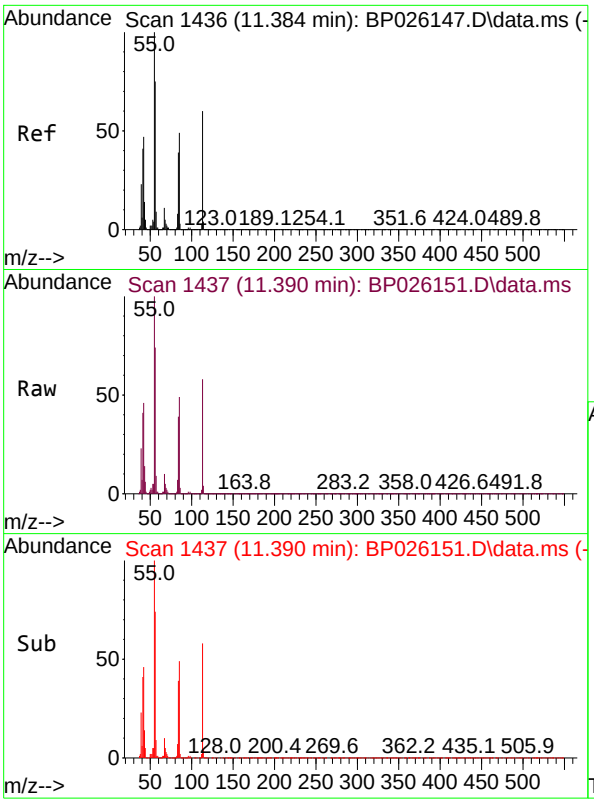


#34
Hexachlorobutadiene
Concen: 38.979 ng
RT: 10.790 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:225 Resp: 663620

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	63.6	51.2	76.8





#35
Caprolactam
Concen: 41.978 ng
RT: 11.390 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

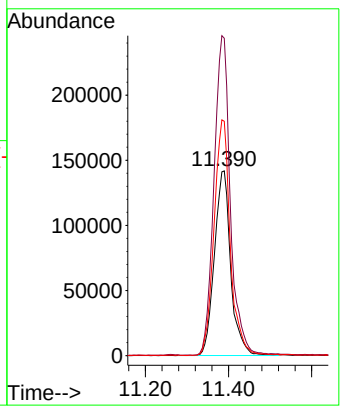
Tgt Ion:113 Resp: 38641

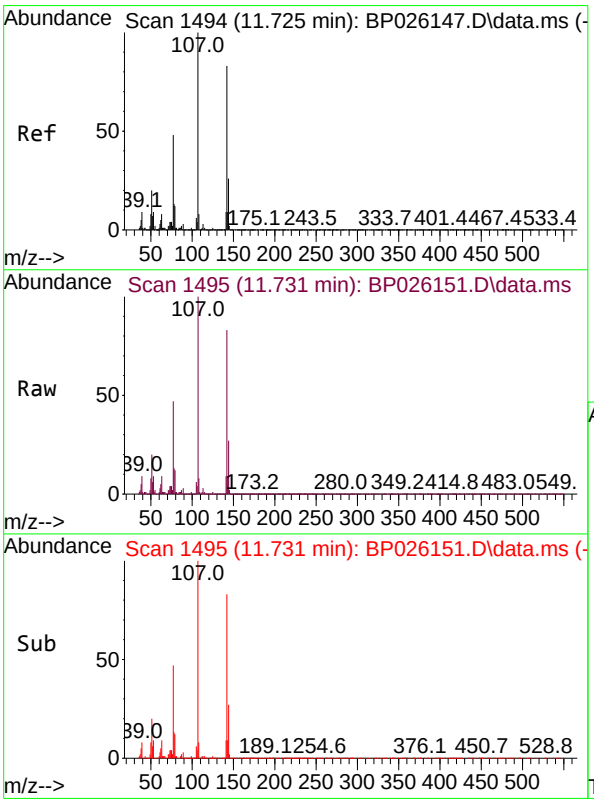
Ion	Ratio	Lower	Upper
113	100		
55	171.8	153.0	193.0
56	126.8	106.4	146.4

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

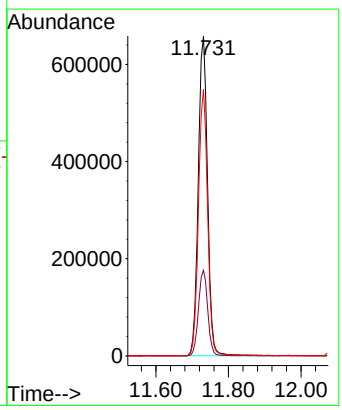


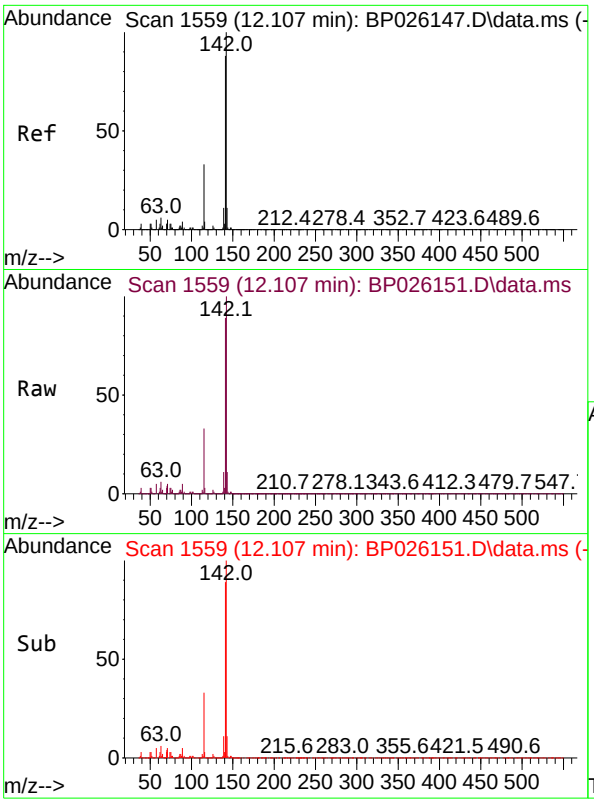


#36
4-Chloro-3-methylphenol
Concen: 42.798 ng
RT: 11.731 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:107 Resp: 1169352

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.6	32.4
142	83.3	65.6	98.4

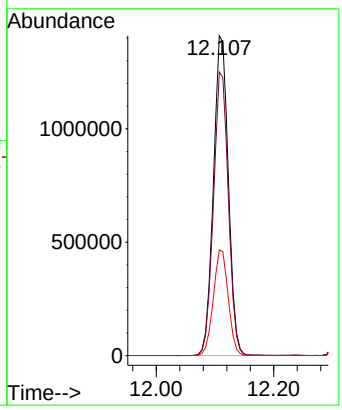




#37
2-Methylnaphthalene
Concen: 40.901 ng
RT: 12.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:142 Resp: 248061

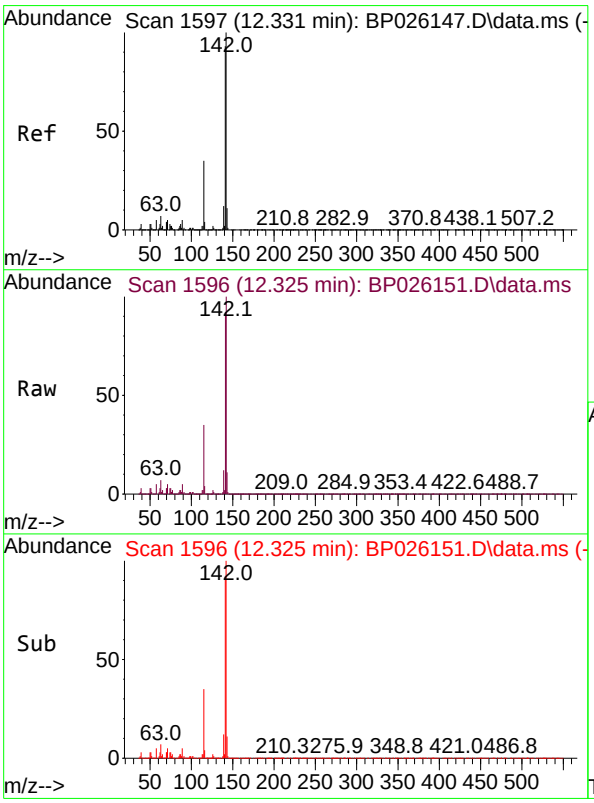
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	33.0	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

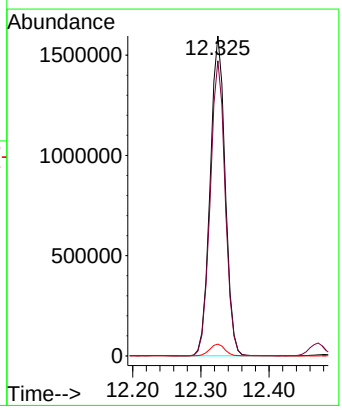
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

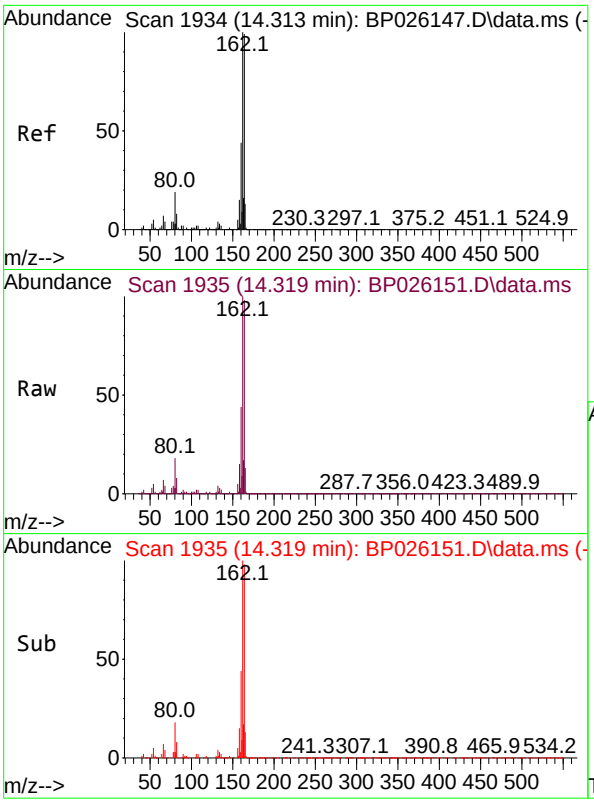


#38
1-Methylnaphthalene
Concen: 41.101 ng
RT: 12.325 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:142 Resp: 2436446

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.5	110.3
116	3.7	3.0	4.4

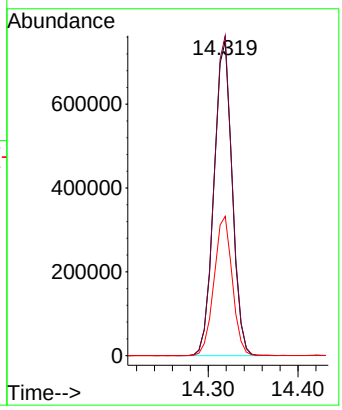




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:164 Resp: 106011

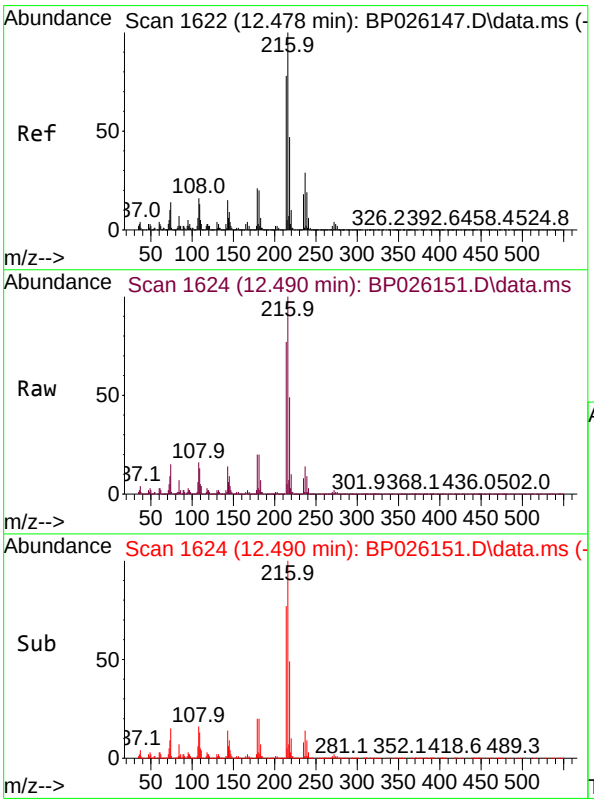
Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.3	120.5
160	44.3	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

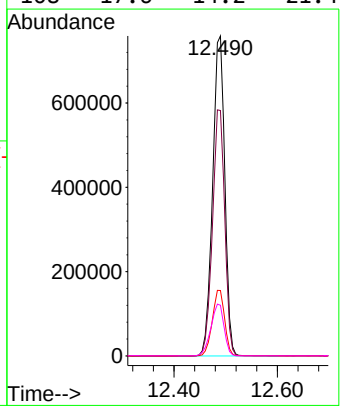
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

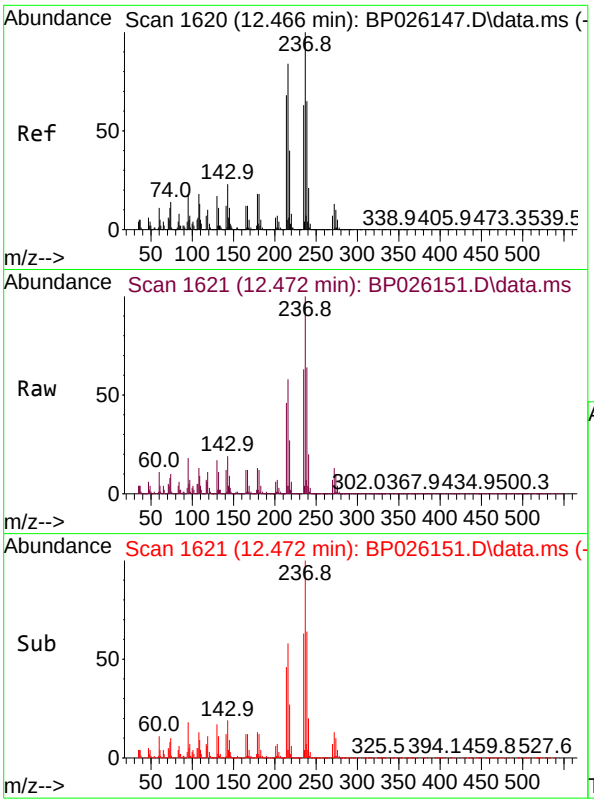


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.653 ng
RT: 12.490 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:216 Resp: 1239031

Ion	Ratio	Lower	Upper
216	100		
214	77.5	62.6	94.0
179	20.8	16.6	25.0
108	17.6	14.2	21.4

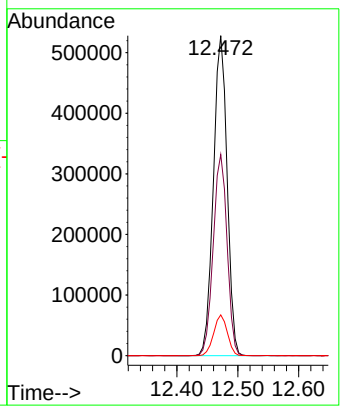




#41
Hexachlorocyclopentadiene
Concen: 39.451 ng
RT: 12.472 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:237 Resp: 82763

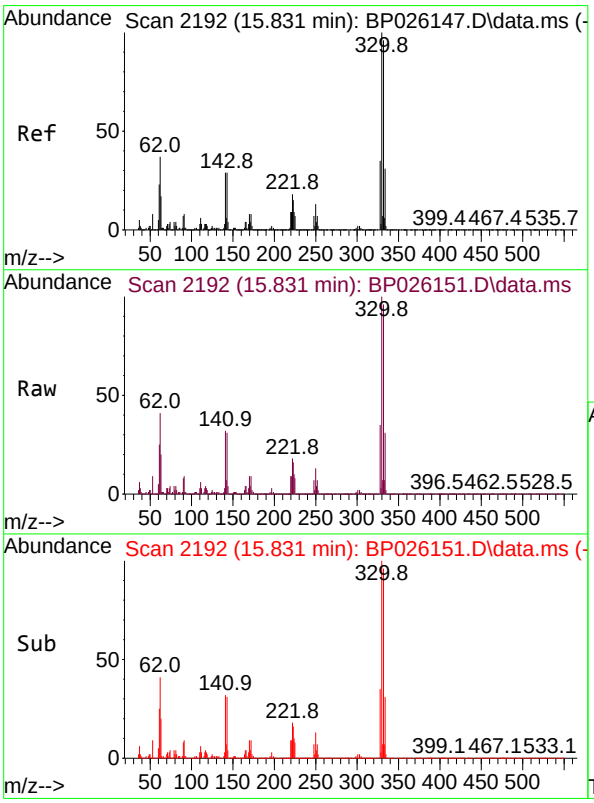
Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.3	83.3
272	12.7	0.0	32.9



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

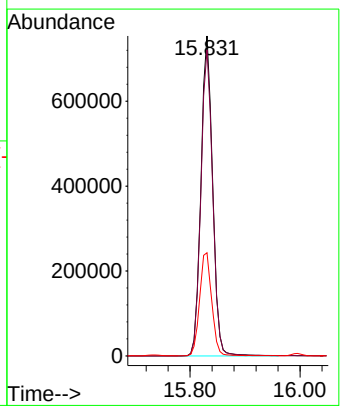
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

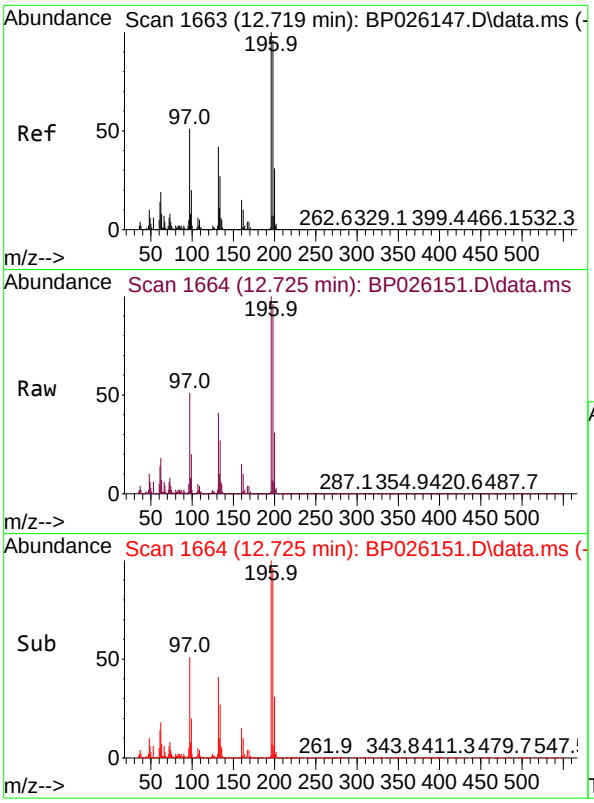


#42
2,4,6-Tribromophenol
Concen: 80.522 ng
RT: 15.831 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:330 Resp: 1107358

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	33.5	26.8	40.2

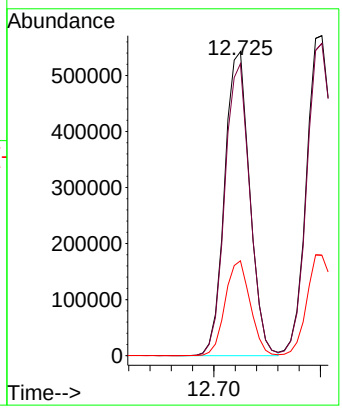




#43
2,4,6-Trichlorophenol
Concen: 40.482 ng
RT: 12.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:196 Resp: 88962

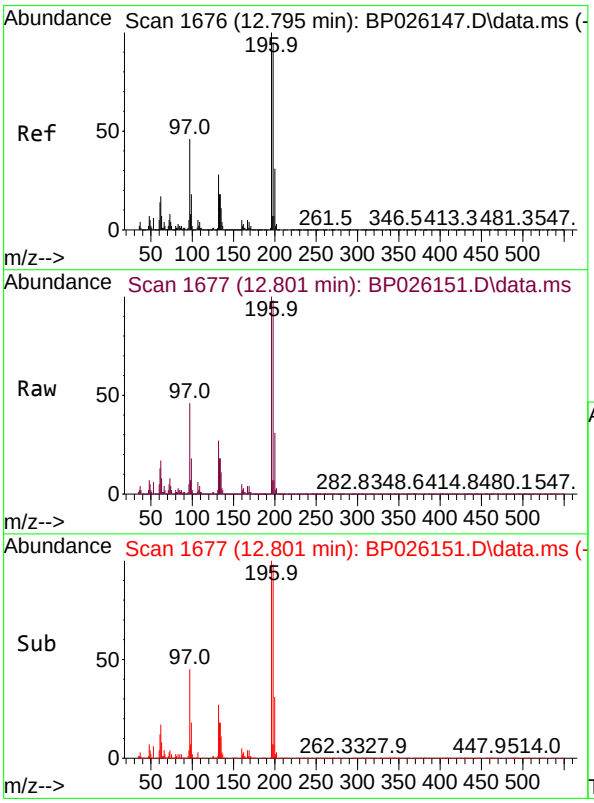
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	31.2	24.6	37.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

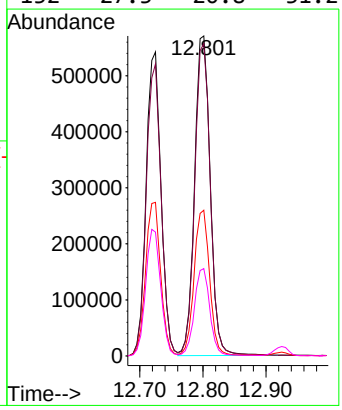
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

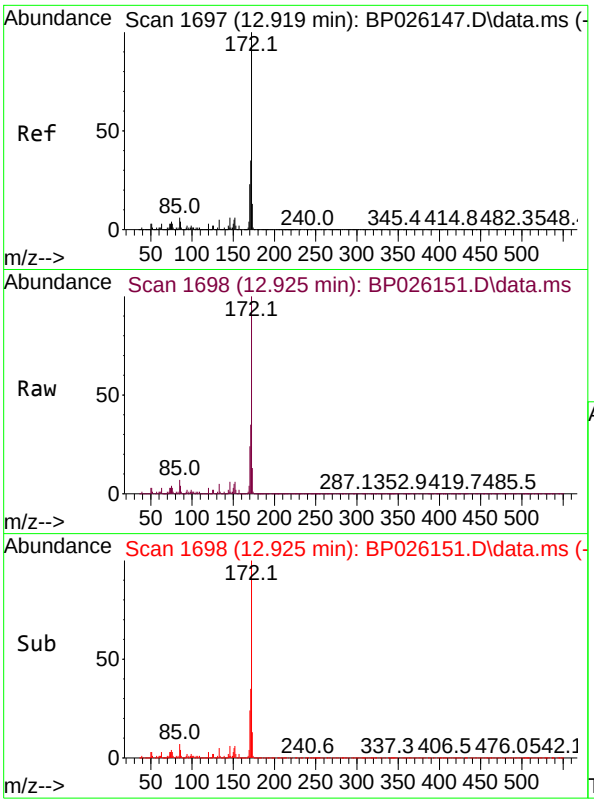


#44
2,4,5-Trichlorophenol
Concen: 40.200 ng
RT: 12.801 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:196 Resp: 986131

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.4	114.6
97	45.5	35.7	53.5
132	27.3	20.8	31.2

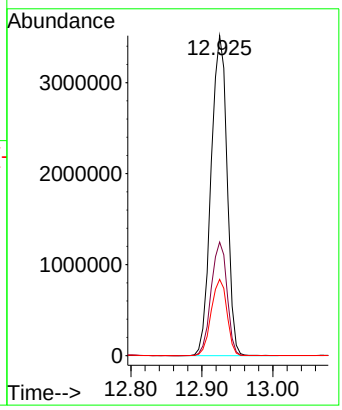




#45
2-Fluorobiphenyl
Concen: 76.016 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:172 Resp: 549847

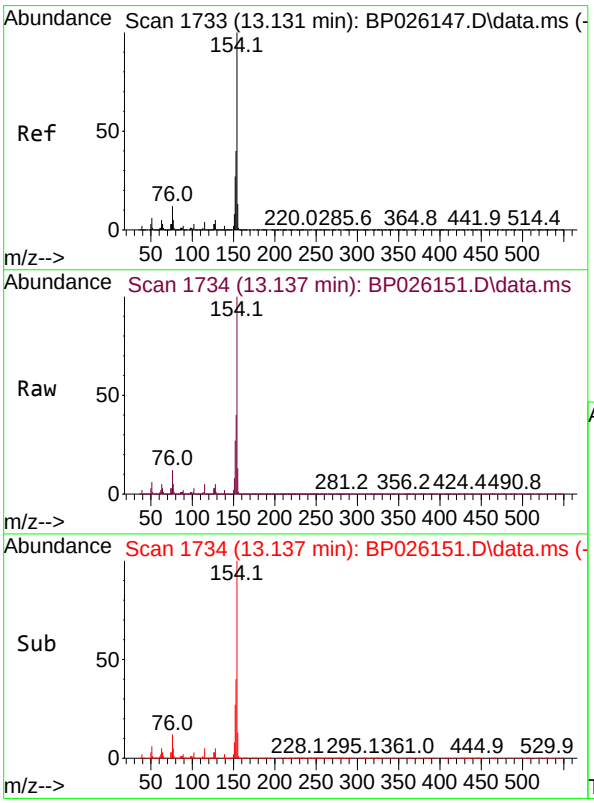
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.8	18.7	28.1



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

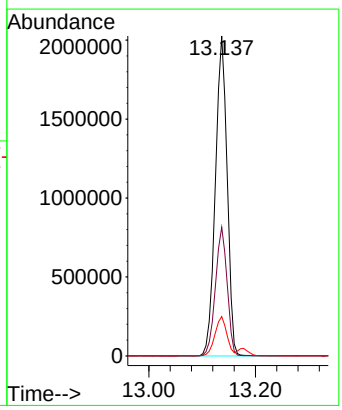
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

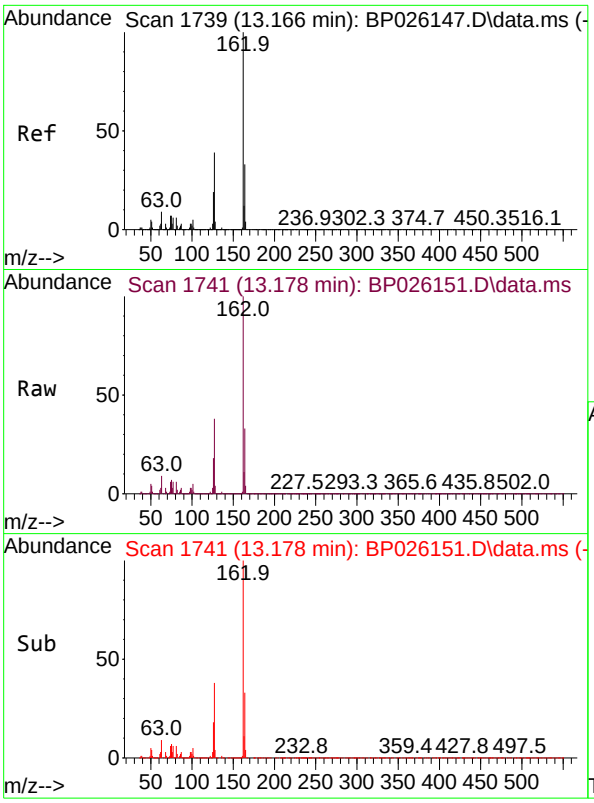


#46
1,1'-Biphenyl
Concen: 38.891 ng
RT: 13.137 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:154 Resp: 3104503

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	12.3	0.0	32.3

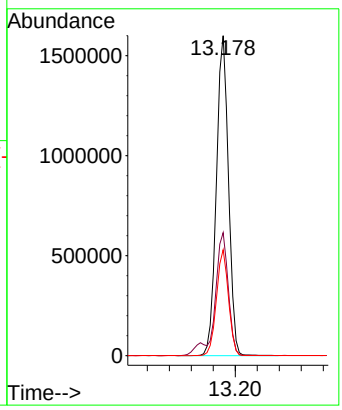




#47
2-Chloronaphthalene
Concen: 38.816 ng
RT: 13.178 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:162 Resp: 243652

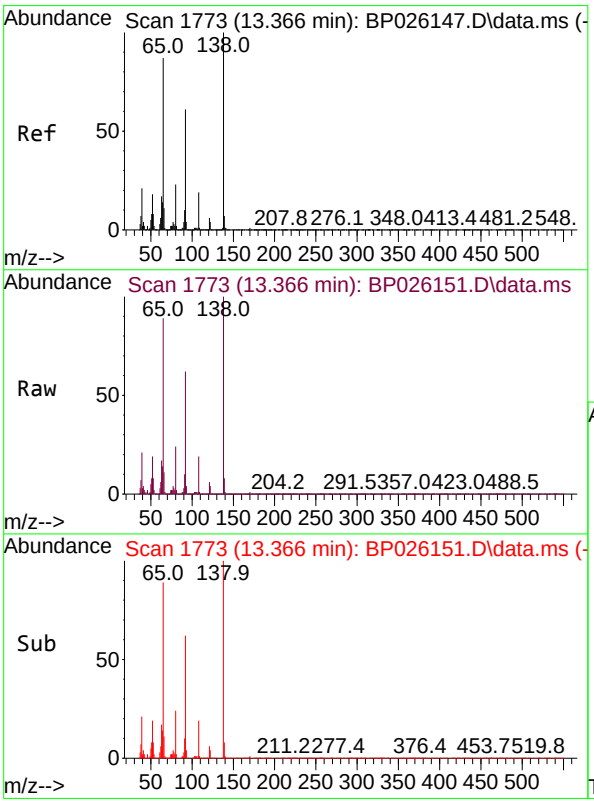
Ion	Ratio	Lower	Upper
162	100		
127	38.4	30.9	46.3
164	33.1	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

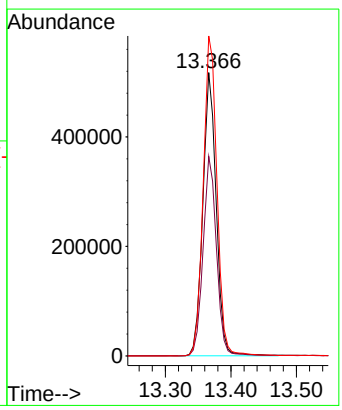
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

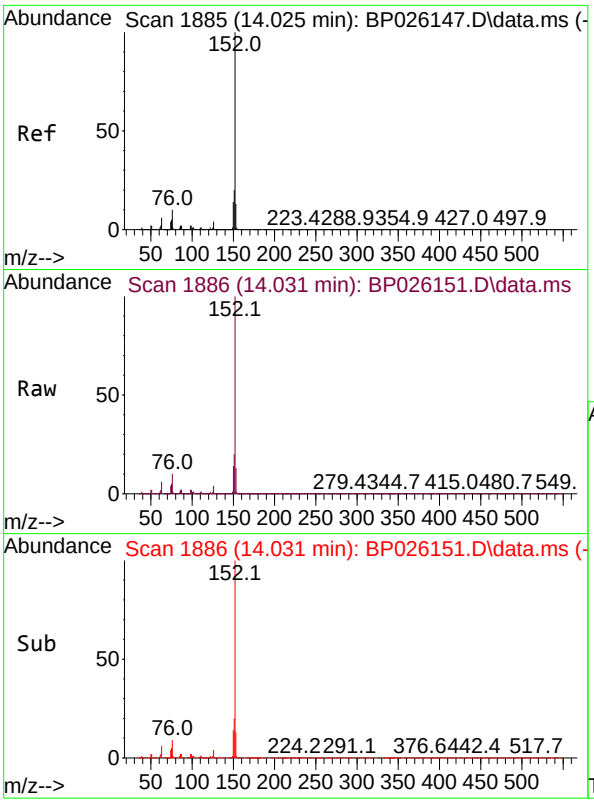


#48
2-Nitroaniline
Concen: 41.880 ng
RT: 13.366 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion: 65 Resp: 731047

Ion	Ratio	Lower	Upper
65	100		
92	70.4	59.1	88.7
138	112.9	96.6	145.0

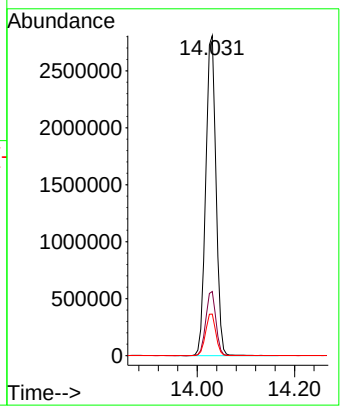




#49
Acenaphthylene
Concen: 39.676 ng
RT: 14.031 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:152 Resp: 410811

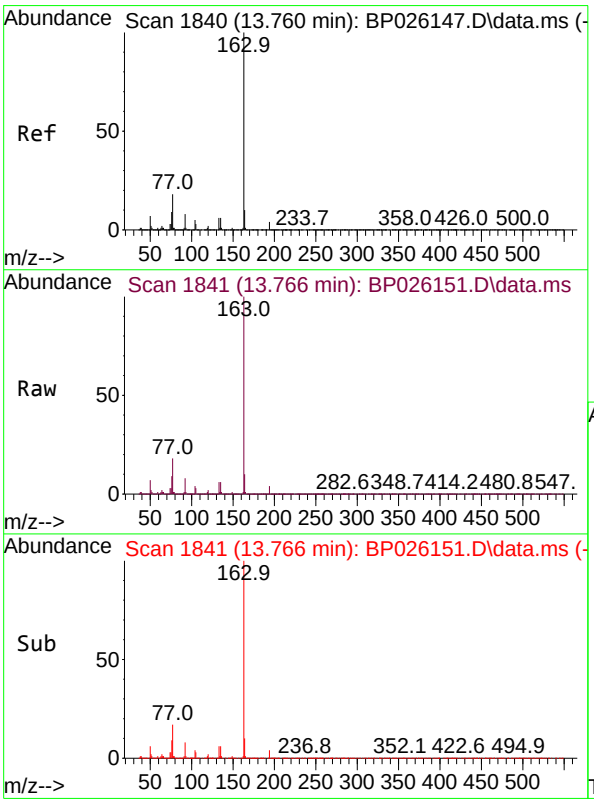
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

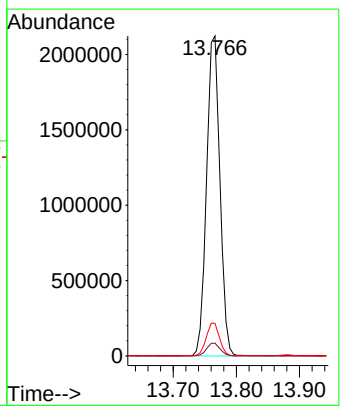
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

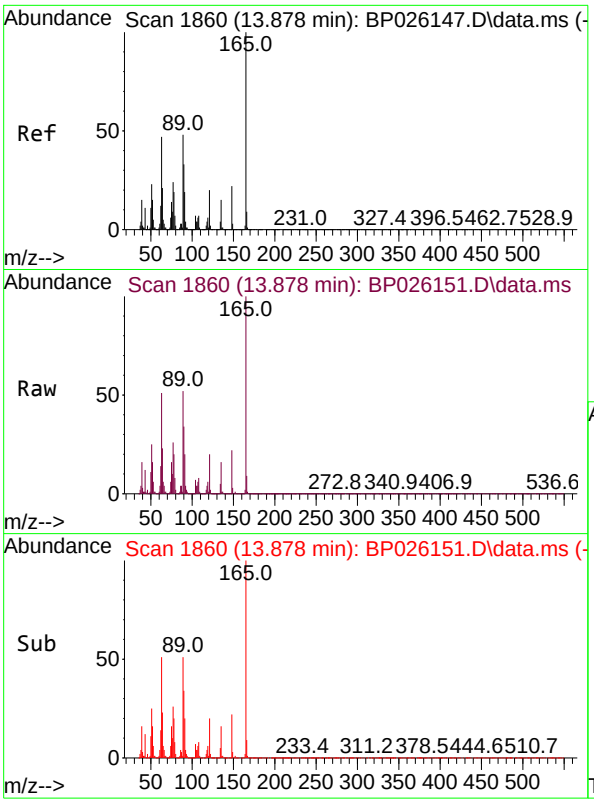


#50
Dimethylphthalate
Concen: 39.365 ng
RT: 13.766 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:163 Resp: 3116904

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 43.045 ng
RT: 13.878 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

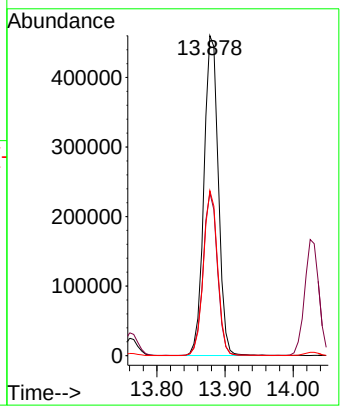
Tgt Ion:165 Resp: 675339

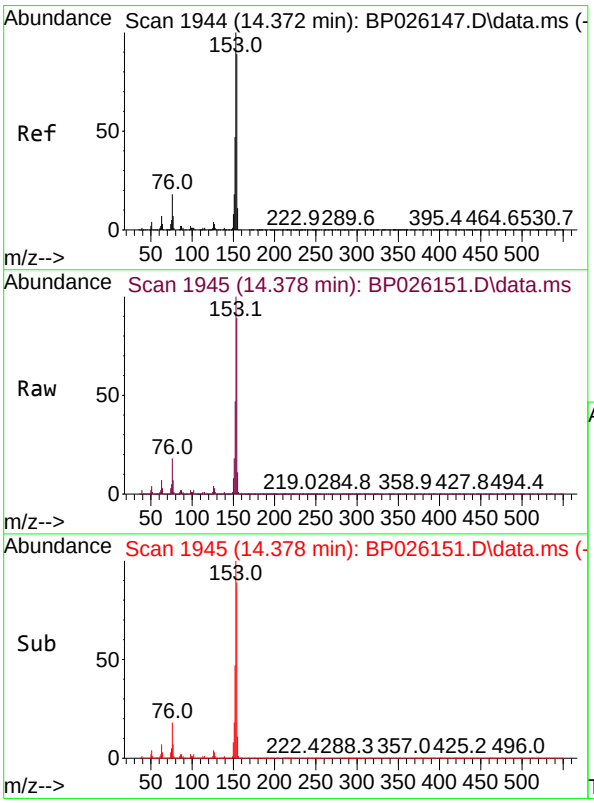
Ion	Ratio	Lower	Upper
165	100		
63	50.9	40.5	60.7
89	51.5	41.3	61.9

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

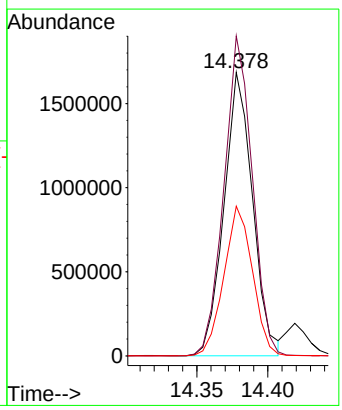


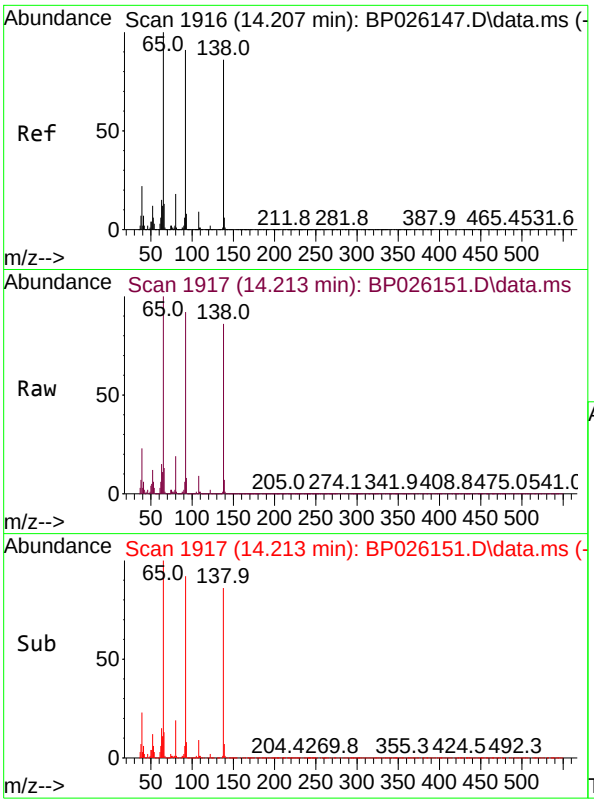


#52
Acenaphthene
Concen: 38.919 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:154 Resp: 2361523

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.7	136.1
152	52.8	42.8	64.2





#53
3-Nitroaniline
Concen: 42.369 ng
RT: 14.213 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

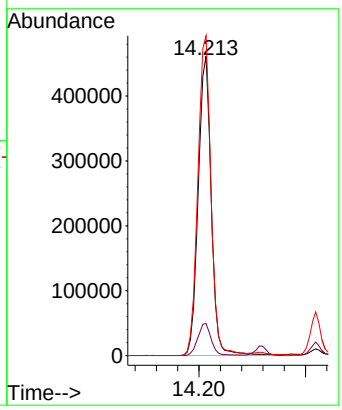
Tgt Ion:138 Resp: 78267

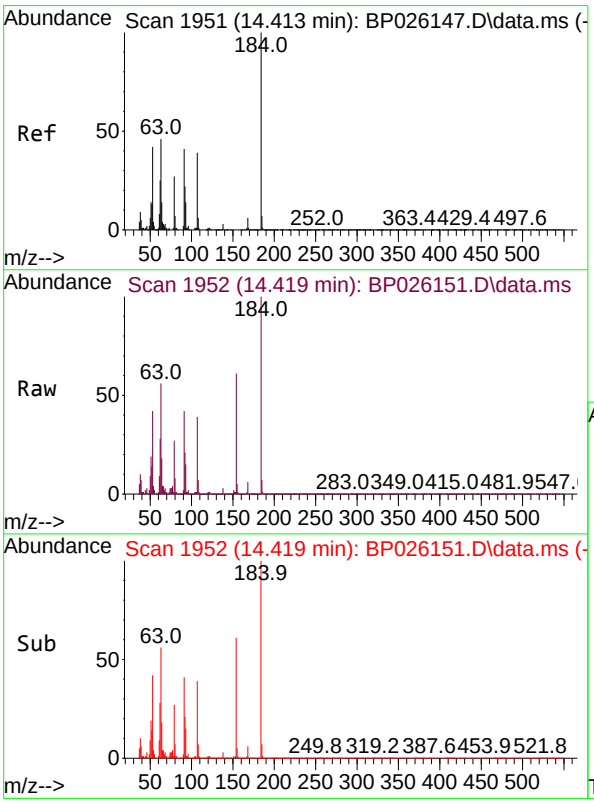
Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.9	13.3
92	106.9	86.3	129.5

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

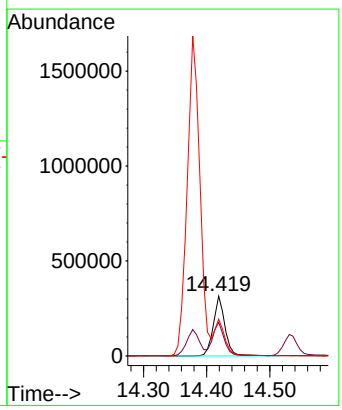


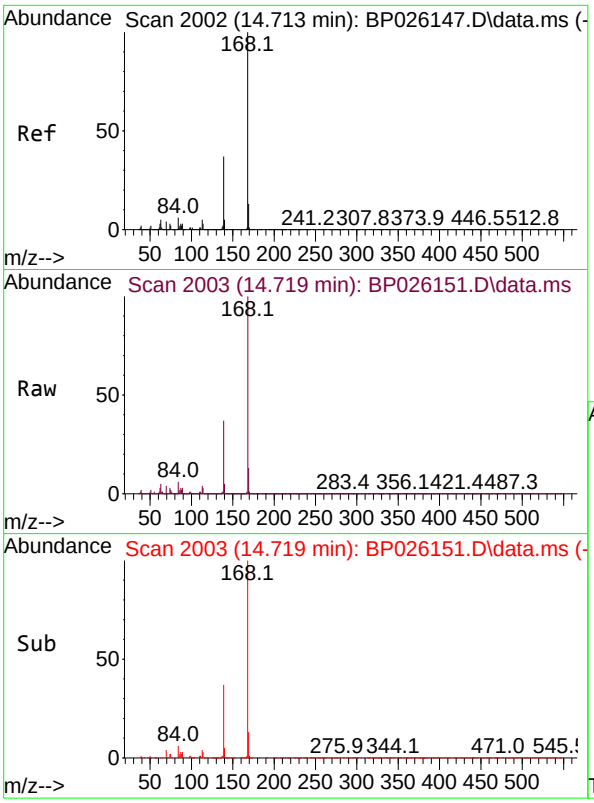


#54
2,4-Dinitrophenol
Concen: 42.569 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:184 Resp: 403157

Ion	Ratio	Lower	Upper
184	100		
63	56.0	43.1	64.7
154	61.3	49.5	74.3

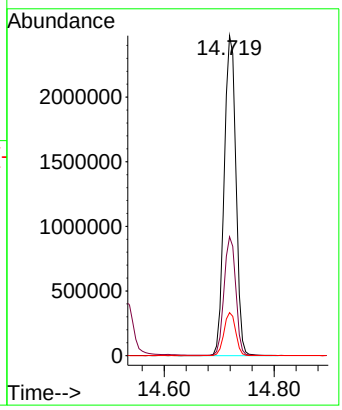




#55
Dibenzofuran
Concen: 39.037 ng
RT: 14.719 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:168 Resp: 366877

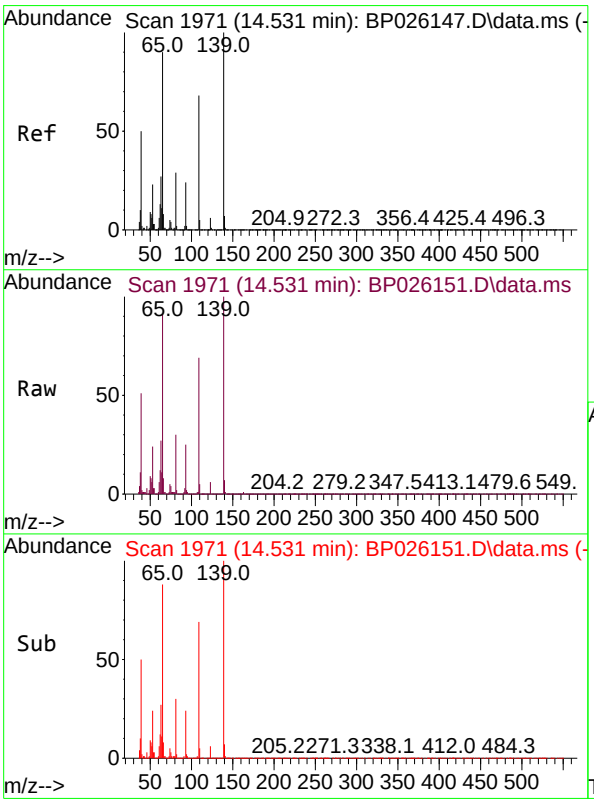
Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.4	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

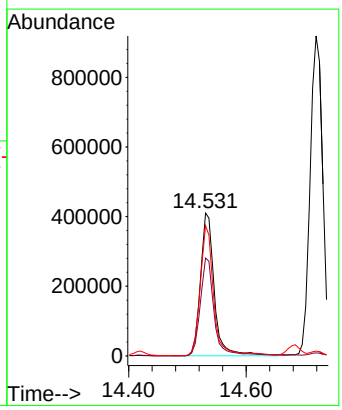
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

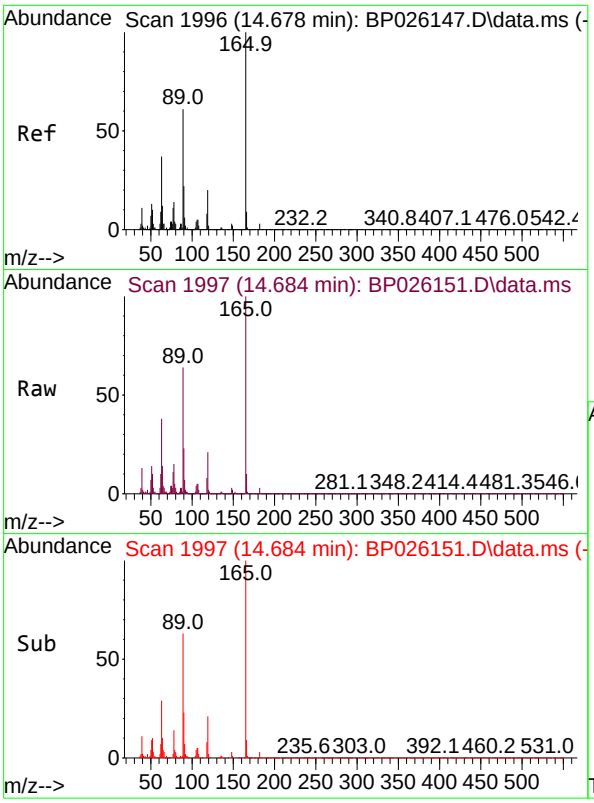


#56
4-Nitrophenol
Concen: 40.312 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:139 Resp: 673671

Ion	Ratio	Lower	Upper
139	100		
109	68.6	46.8	86.8
65	91.3	69.3	109.3

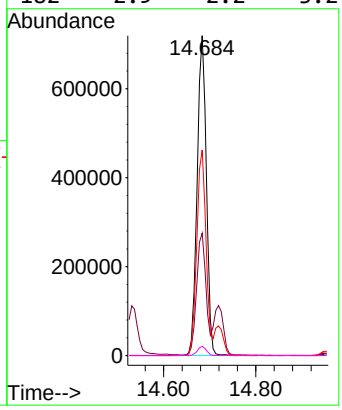




#57
2,4-Dinitrotoluene
Concen: 42.577 ng
RT: 14.684 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:165 Resp: 99742

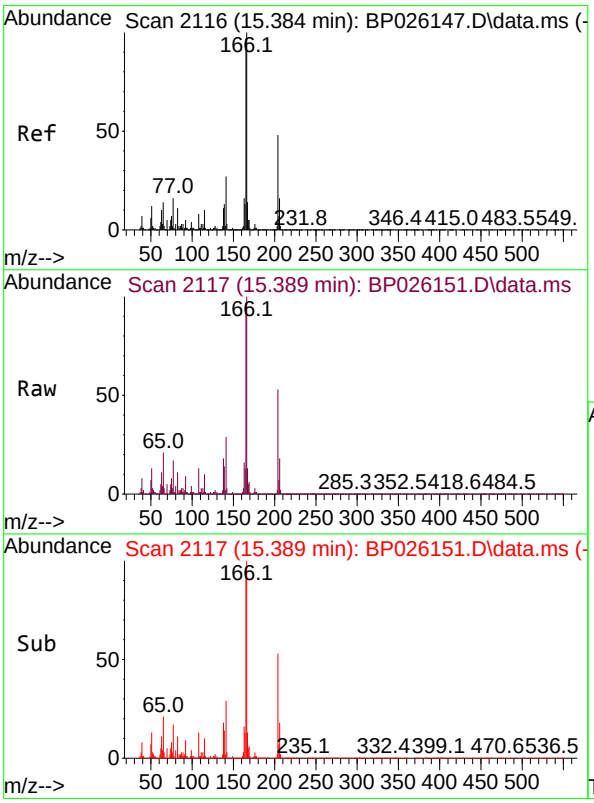
Ion	Ratio	Lower	Upper
165	100		
63	38.3	31.0	46.6
89	64.3	51.7	77.5
182	2.9	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

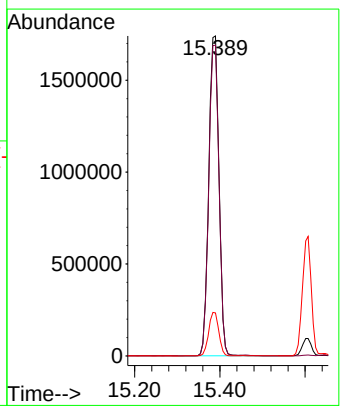
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

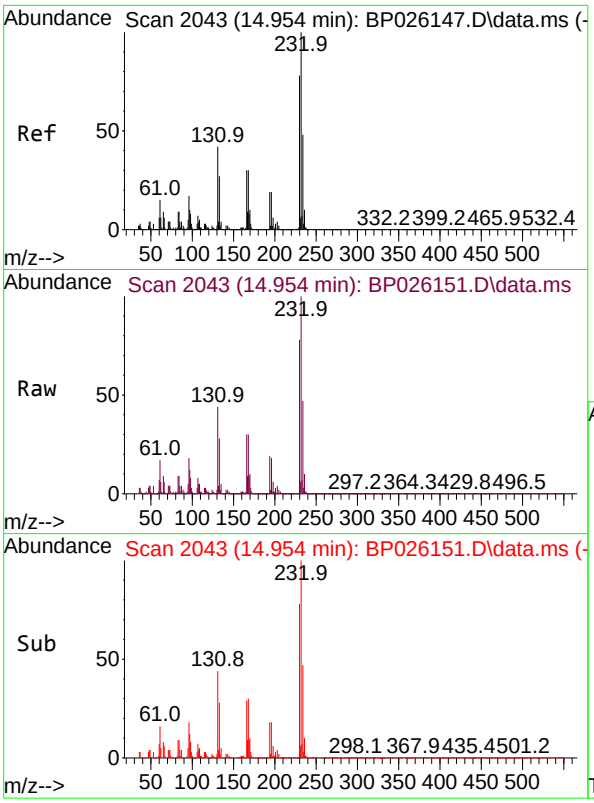


#58
Fluorene
Concen: 38.962 ng
RT: 15.389 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:166 Resp: 2894223

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.9	116.9
167	13.5	11.0	16.4

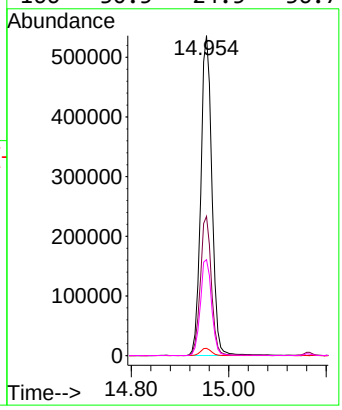




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.668 ng
RT: 14.954 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:232 Resp: 846319

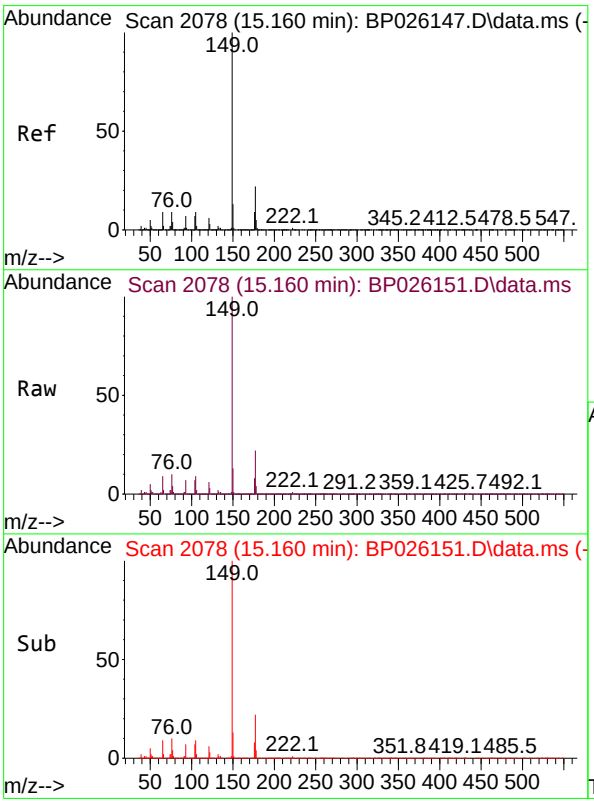
Ion	Ratio	Lower	Upper
232	100		
131	43.1	34.8	52.2
130	2.3	1.8	2.8
166	30.5	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

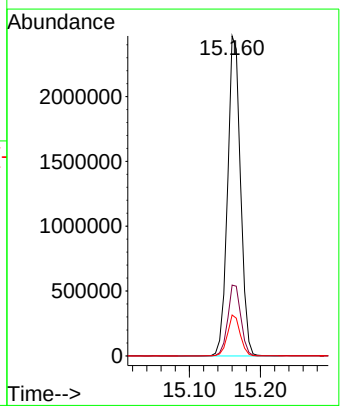
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

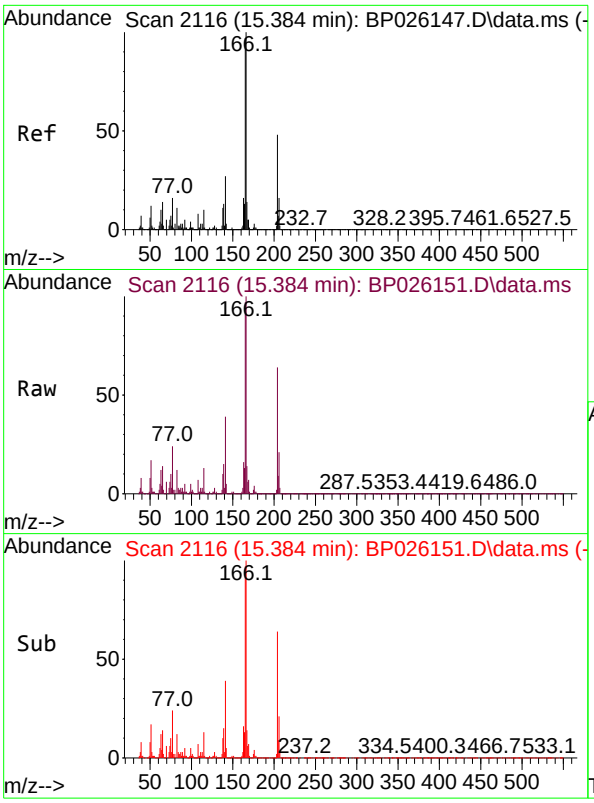


#60
Diethylphthalate
Concen: 39.059 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:149 Resp: 3115428

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.9	26.9
150	12.8	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 38.882 ng
RT: 15.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

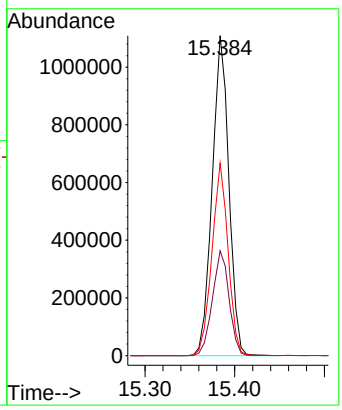
Tgt Ion:204 Resp: 143711

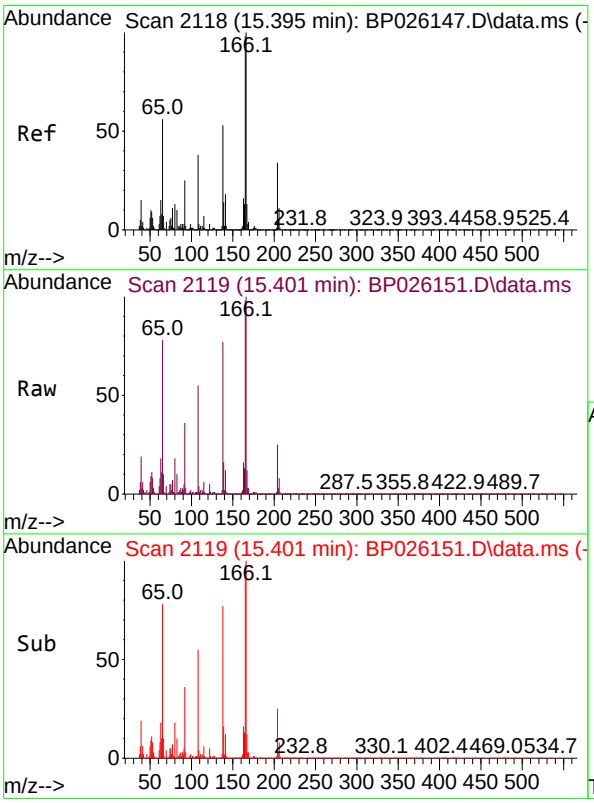
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	60.2	48.1	72.1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

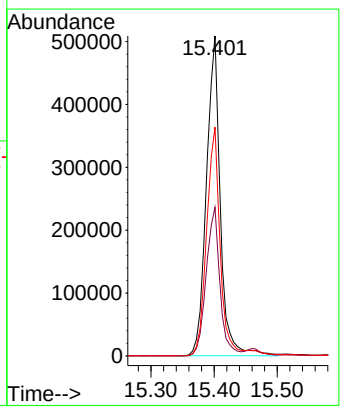


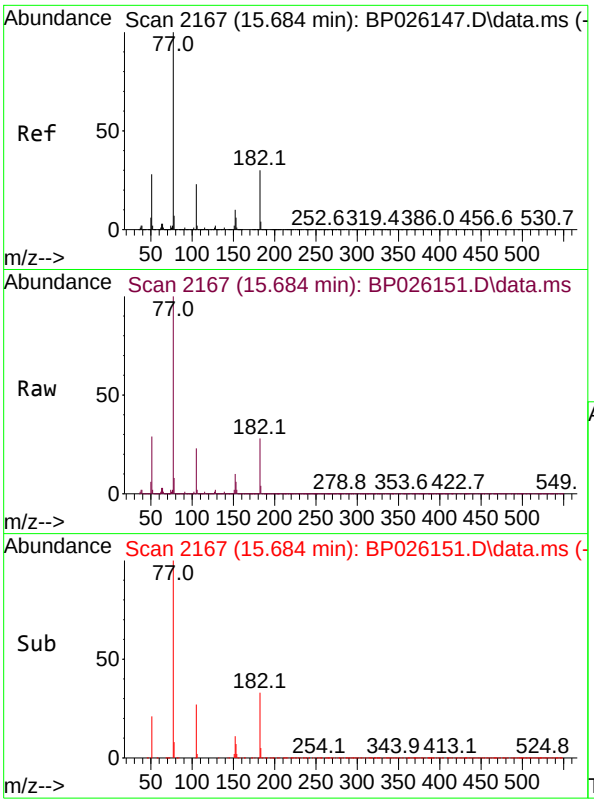


#62
4-Nitroaniline
Concen: 40.700 ng
RT: 15.401 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:138 Resp: 780732

Ion	Ratio	Lower	Upper
138	100		
92	46.4	27.5	67.5
108	71.5	51.1	91.1





#63
Azobenzene
Concen: 39.832 ng
RT: 15.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

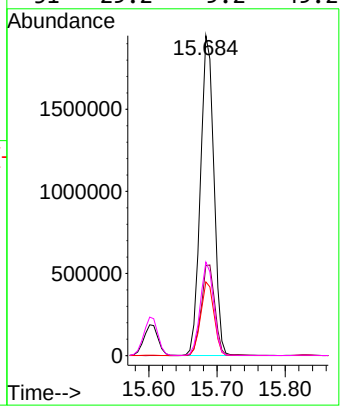
Instrument :
BNA_P
ClientSampleId :
ICVBP111825

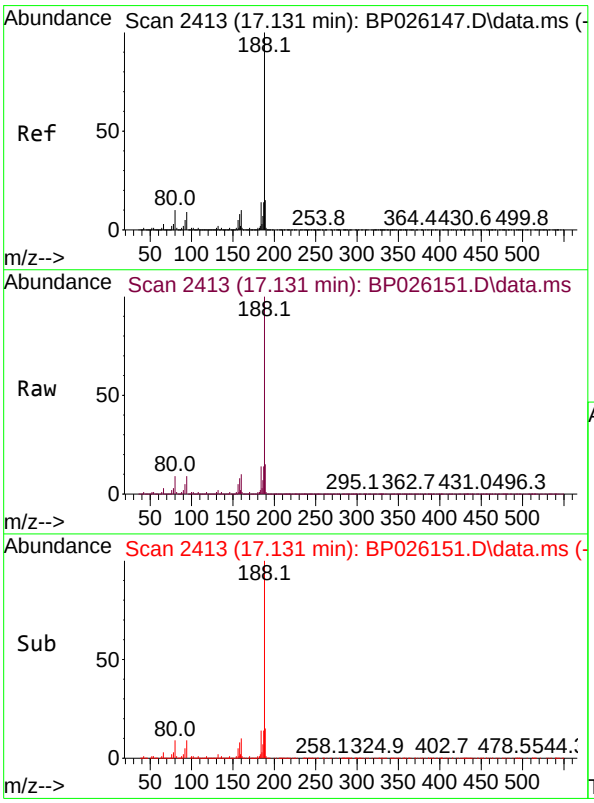
Tgt Ion: 77 Resp: 267892

Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.8	48.8
105	23.0	2.6	42.6
51	29.2	9.2	49.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

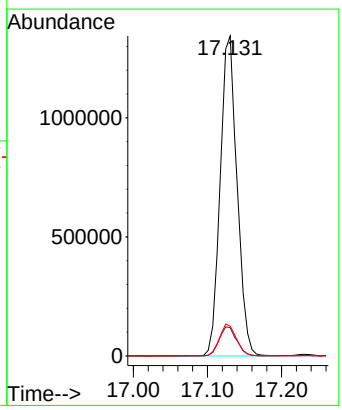


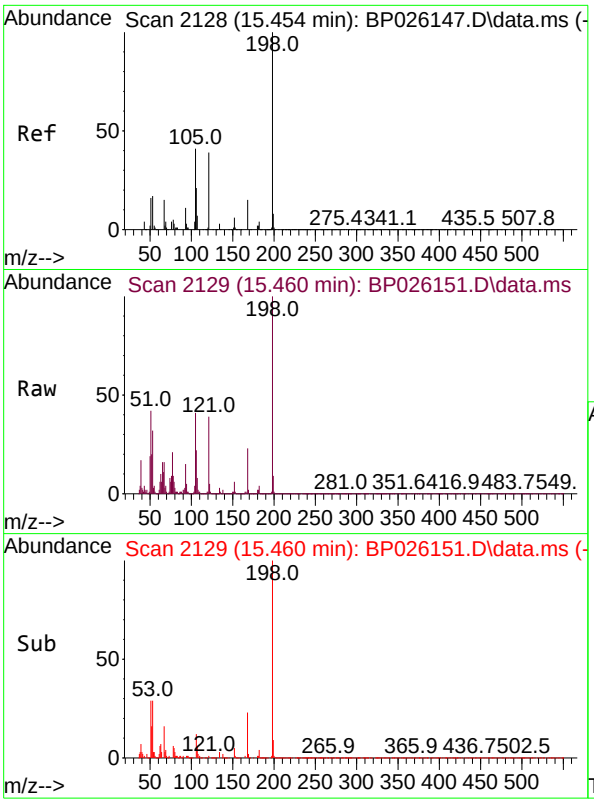


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:188 Resp: 2119946

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.8	11.6
80	9.3	8.2	12.2





#65
4,6-Dinitro-2-methylphenol
Concen: 42.199 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

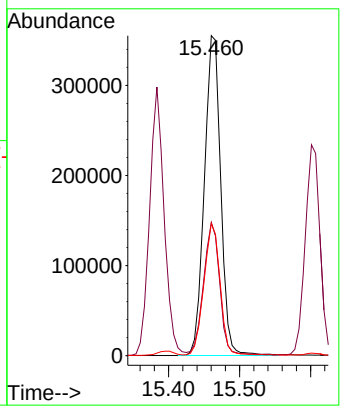
Tgt Ion:198 Resp: 56832

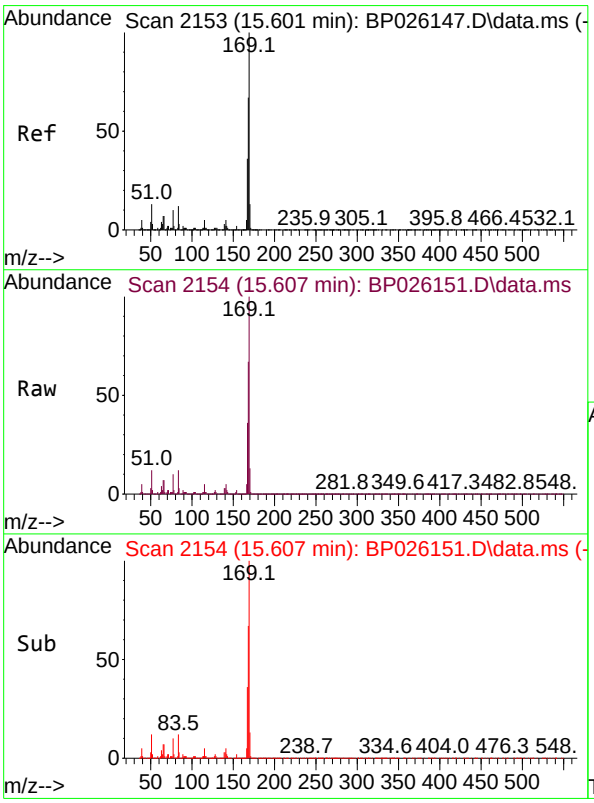
Ion	Ratio	Lower	Upper
198	100		
51	41.6	18.4	58.4
105	41.3	18.5	58.5

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

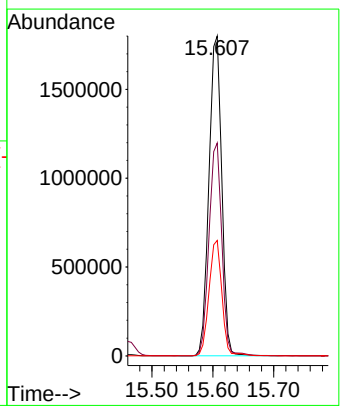


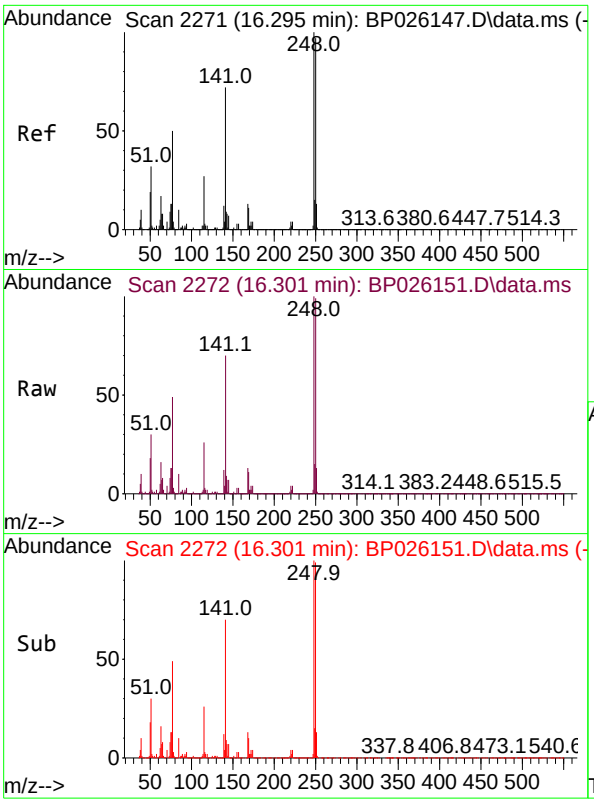


#66
n-Nitrosodiphenylamine
Concen: 40.009 ng
RT: 15.607 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:169 Resp: 2623713

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.1	79.7
167	36.1	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 40.921 ng
RT: 16.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

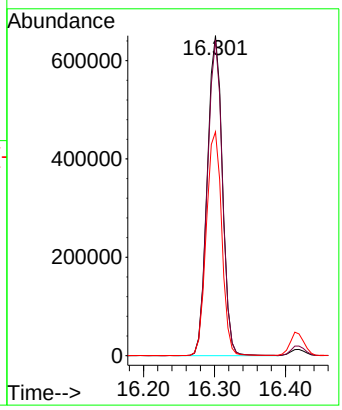
Instrument :
BNA_P
ClientSampleId :
ICVBP111825

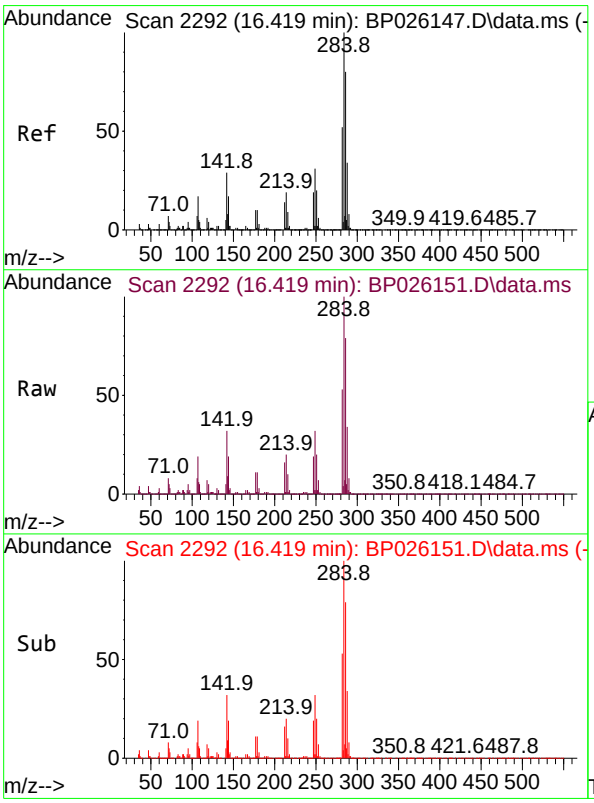
Tgt Ion:248 Resp: 96073

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.8	116.6
141	69.9	55.4	83.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

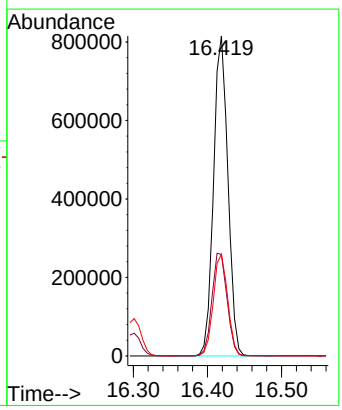


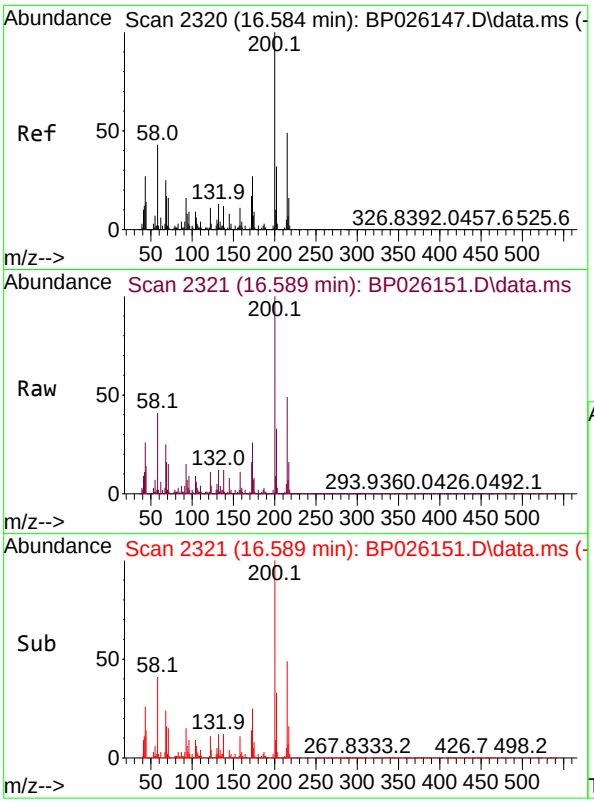


#68
Hexachlorobenzene
Concen: 40.295 ng
RT: 16.419 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:284 Resp: 1097761

Ion	Ratio	Lower	Upper
284	100		
142	31.7	28.0	42.0
249	31.8	25.0	37.4

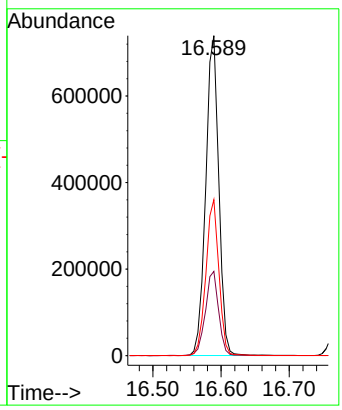




#69
Atrazine
Concen: 39.843 ng
RT: 16.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:200 Resp: 98527

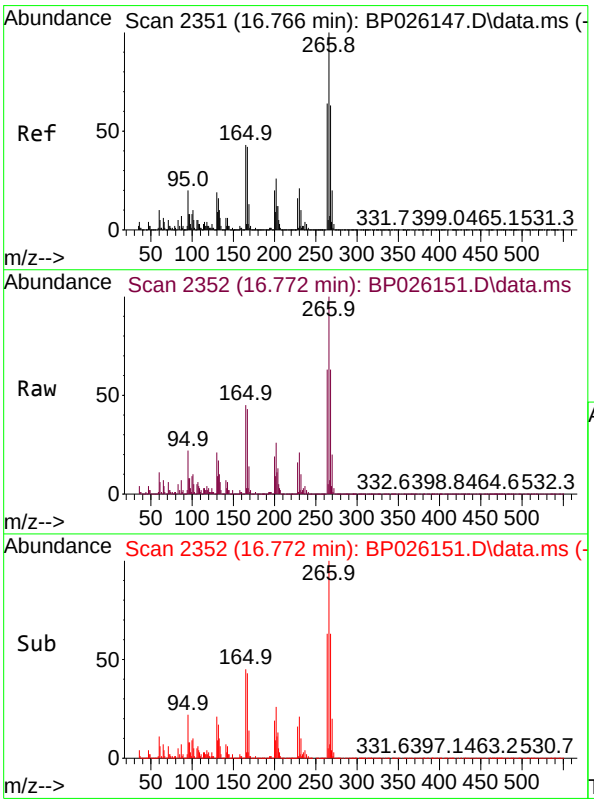
Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.7	46.7
215	48.7	27.4	67.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

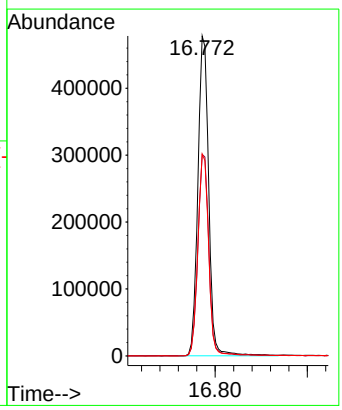
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

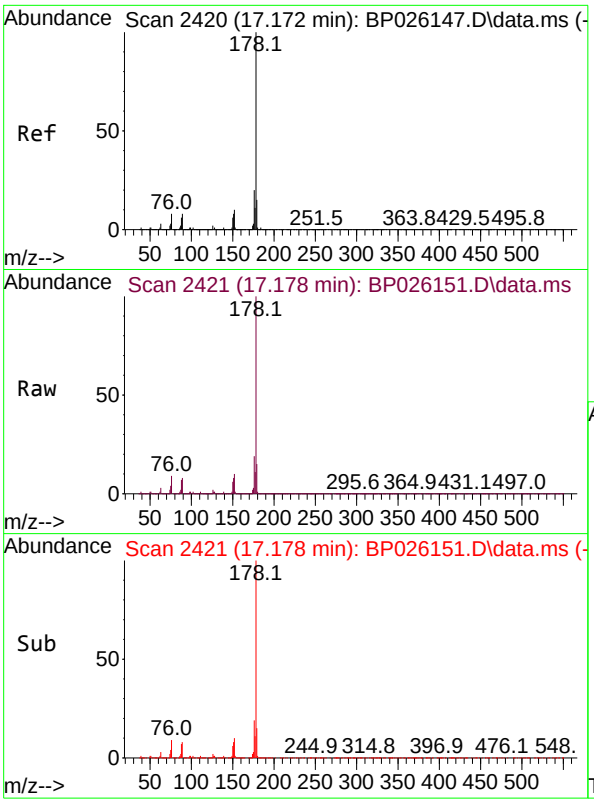


#70
Pentachlorophenol
Concen: 40.719 ng
RT: 16.772 min Scan# 2352
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:266 Resp: 775987

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.0	76.4
264	63.1	50.2	75.2

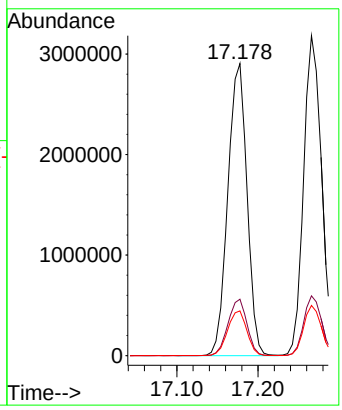




#71
Phenanthrene
Concen: 39.930 ng
RT: 17.178 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:178 Resp: 476847

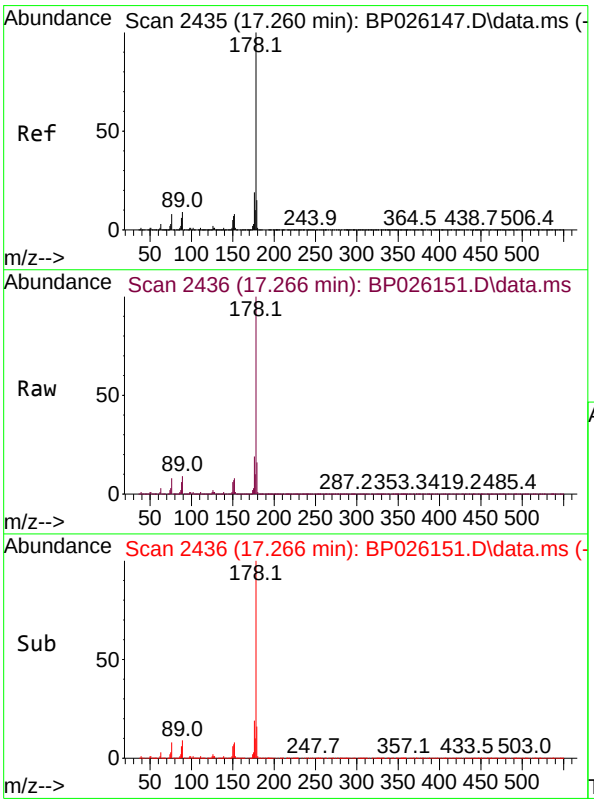
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

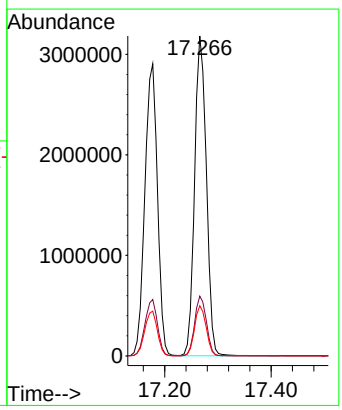
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

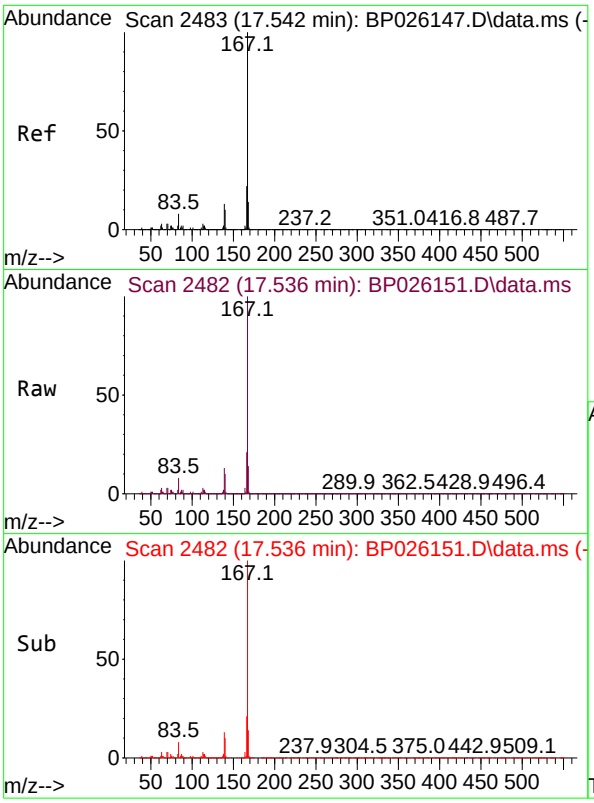


#72
Anthracene
Concen: 40.026 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:178 Resp: 4875395

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.7	12.2	18.4

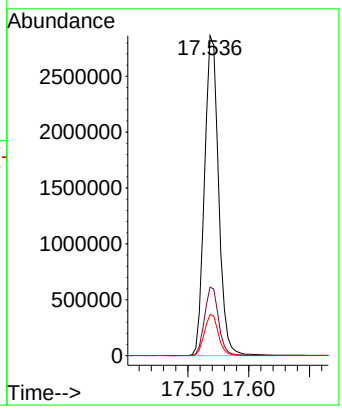




#73
Carbazole
Concen: 39.777 ng
RT: 17.536 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:167 Resp: 460169

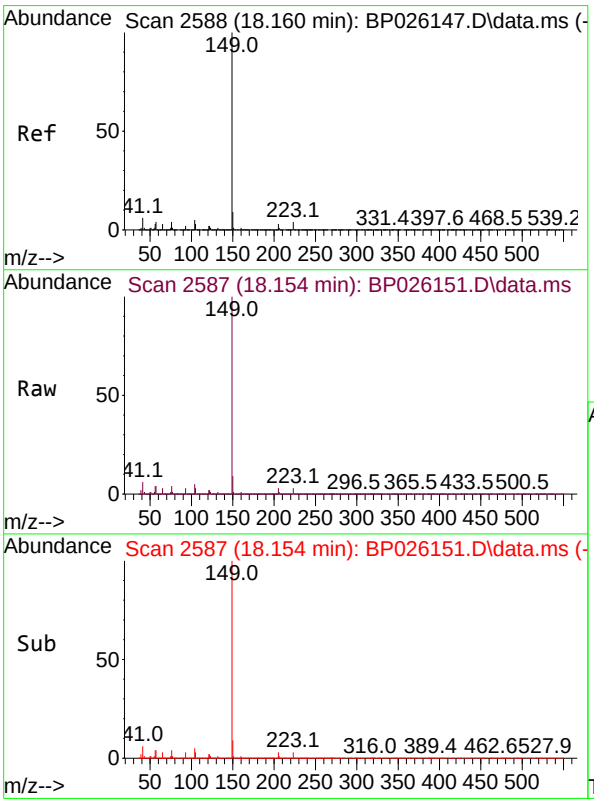
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

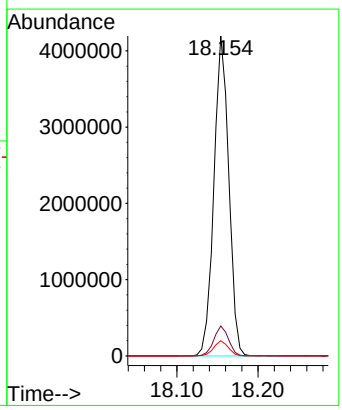
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

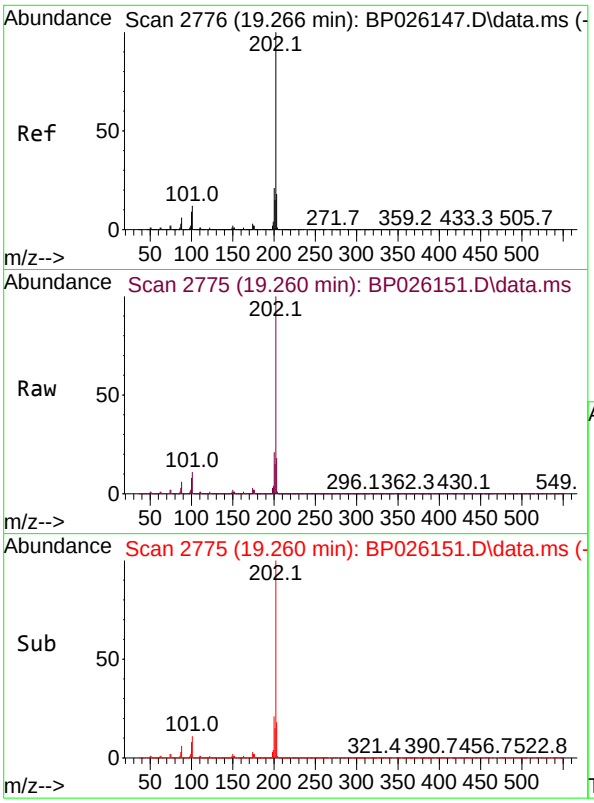


#74
Di-n-butylphthalate
Concen: 38.873 ng
RT: 18.154 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:149 Resp: 5331384

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	3.6	5.4

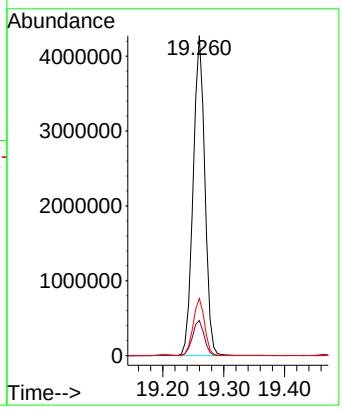




#75
Fluoranthene
Concen: 39.137 ng
RT: 19.260 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:202 Resp: 567869

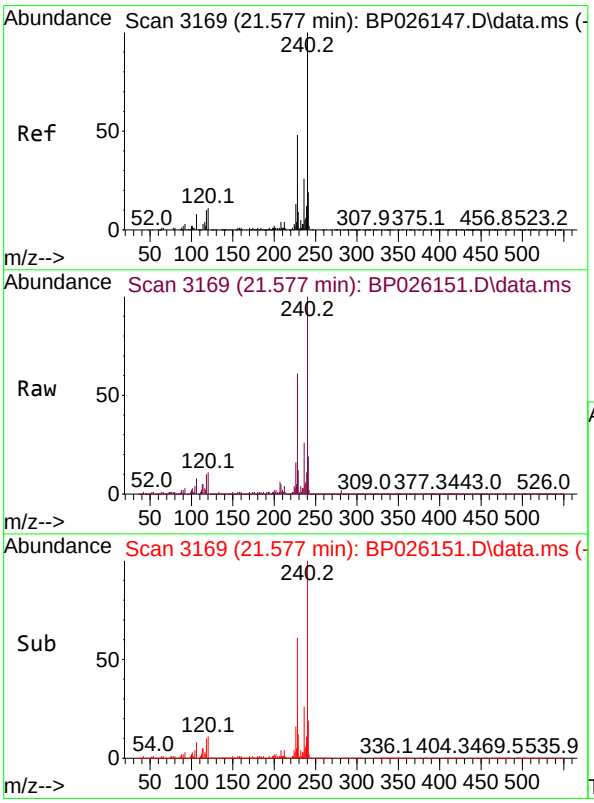
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.2
203	17.9	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

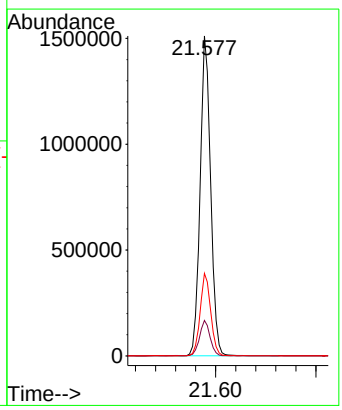
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

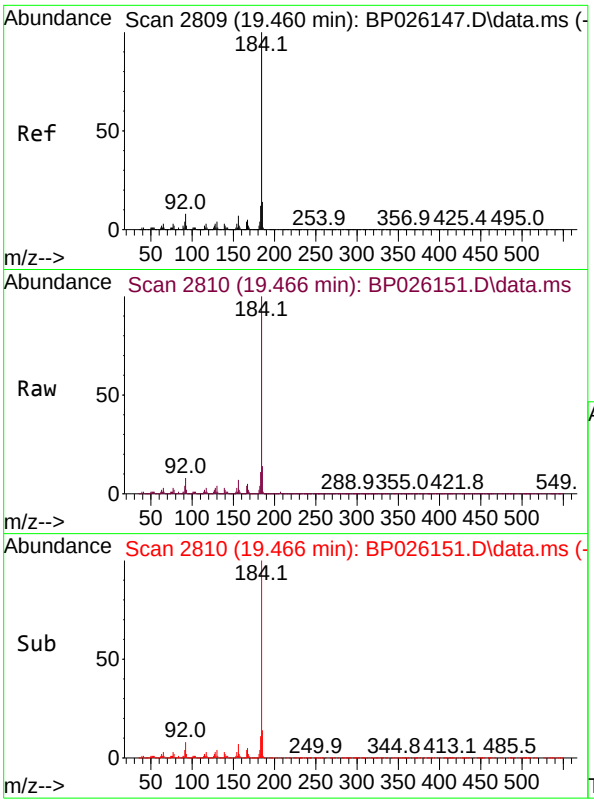


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:240 Resp: 2196318

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.8	20.4	30.6

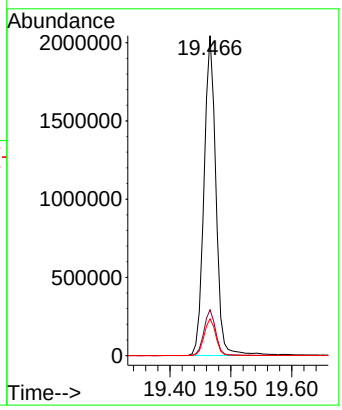




#77
Benzidine
Concen: 39.739 ng
RT: 19.466 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:184 Resp: 276988

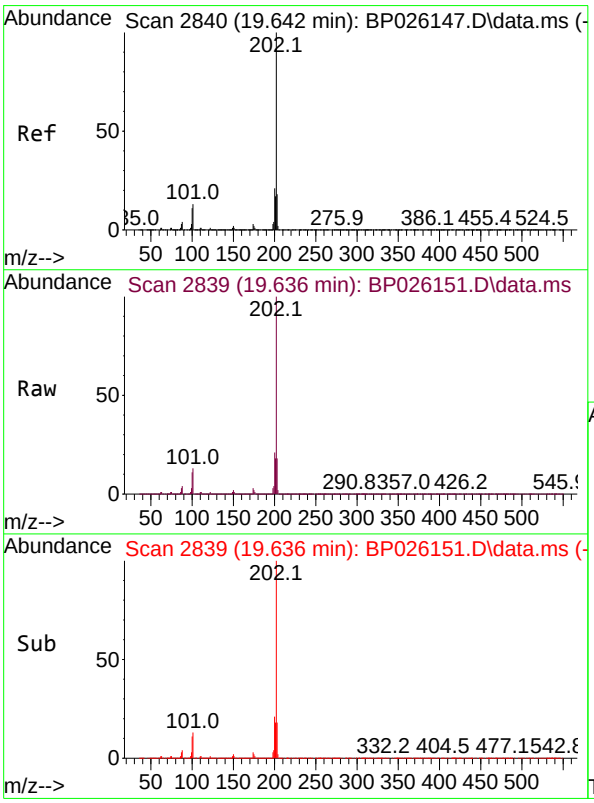
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	11.5	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

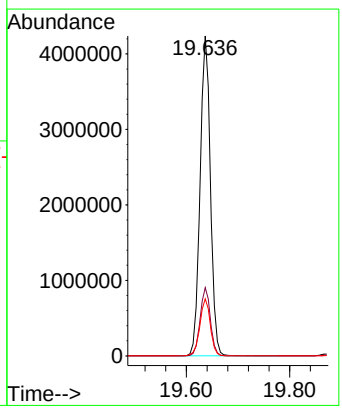
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

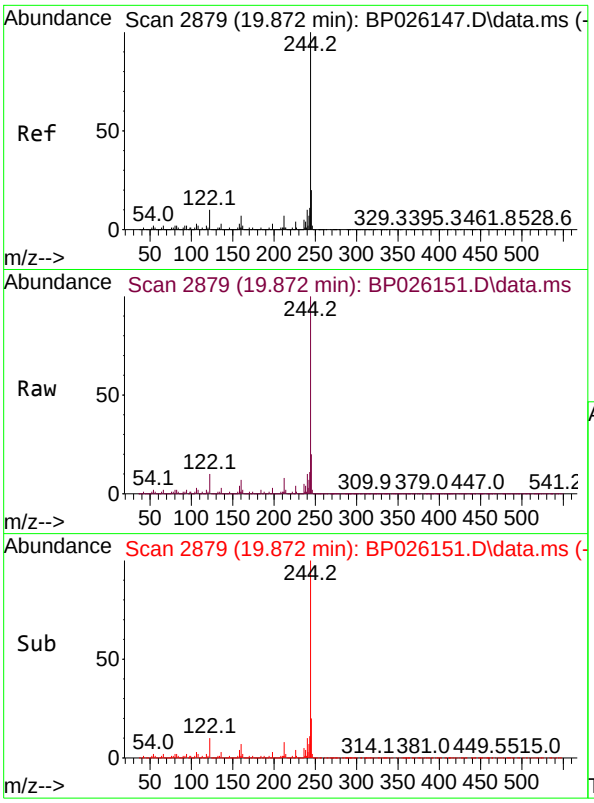


#78
Pyrene
Concen: 40.685 ng
RT: 19.636 min Scan# 2839
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:202 Resp: 5858930

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.8	13.8	20.8

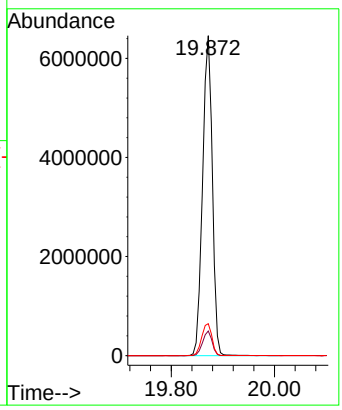




#79
Terphenyl-d14
Concen: 78.411 ng
RT: 19.872 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:244 Resp: 844590

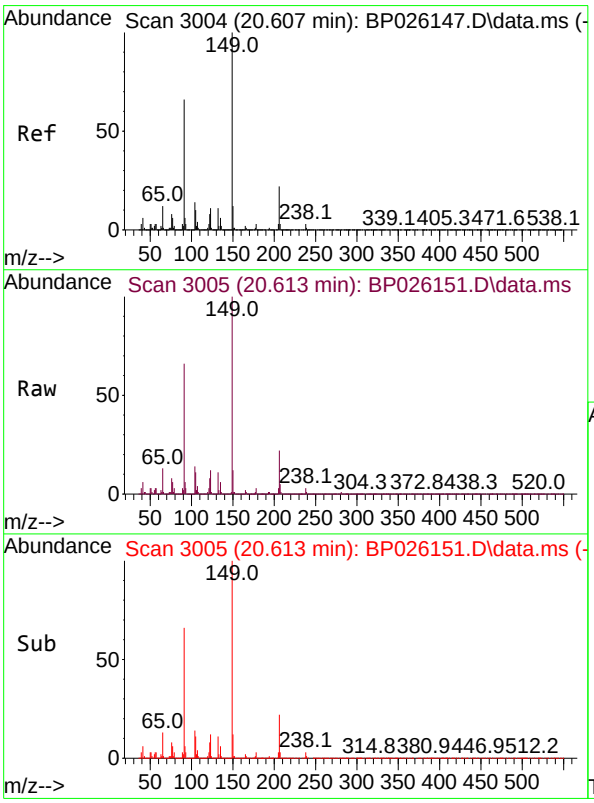
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	10.0	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

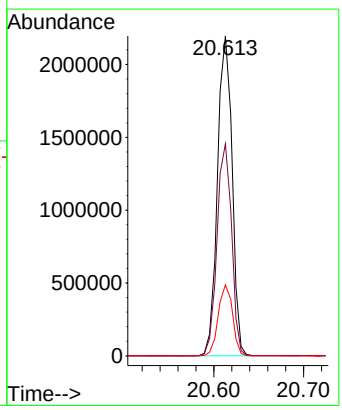
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

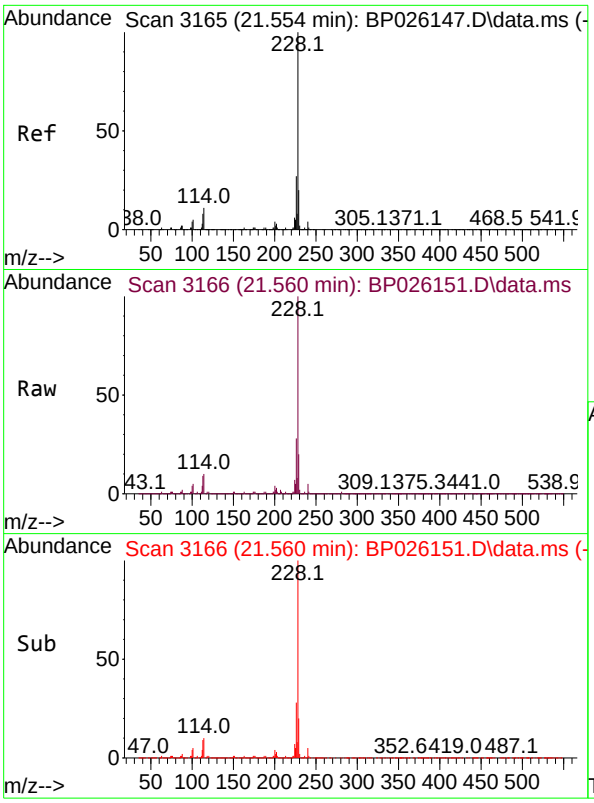


#80
Butylbenzylphthalate
Concen: 39.196 ng
RT: 20.613 min Scan# 3005
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:149 Resp: 2485794

Ion	Ratio	Lower	Upper
149	100		
91	66.3	52.6	79.0
206	22.2	16.9	25.3

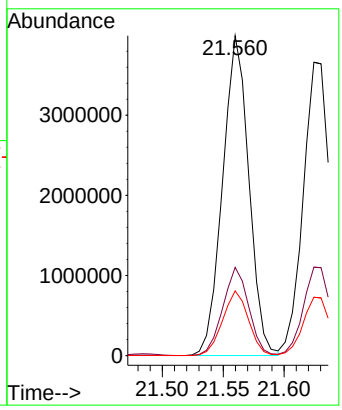




#81
Benzo(a)anthracene
Concen: 39.748 ng
RT: 21.560 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:228 Resp: 599560

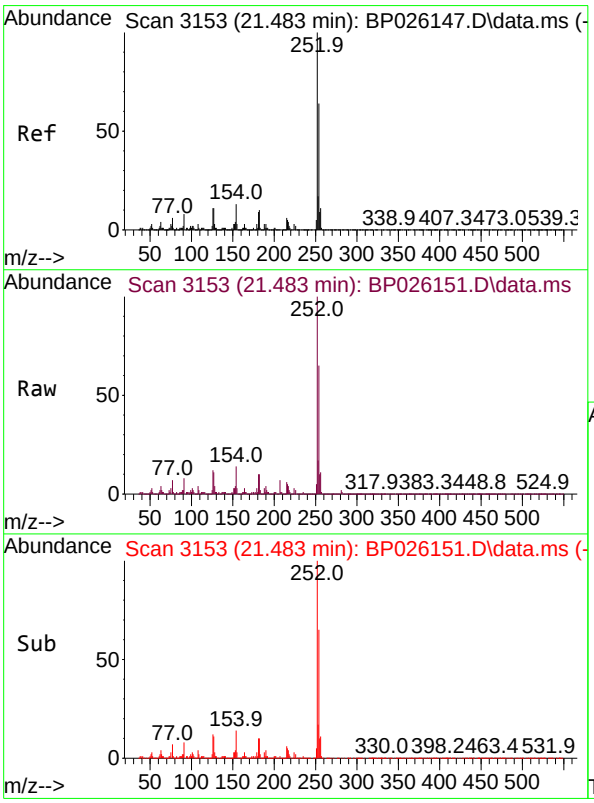
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

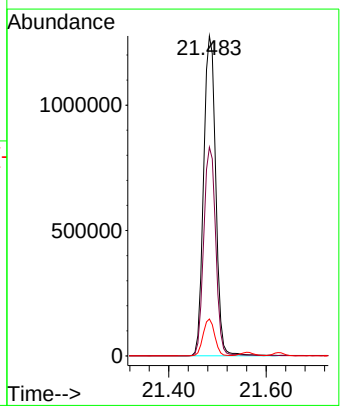
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

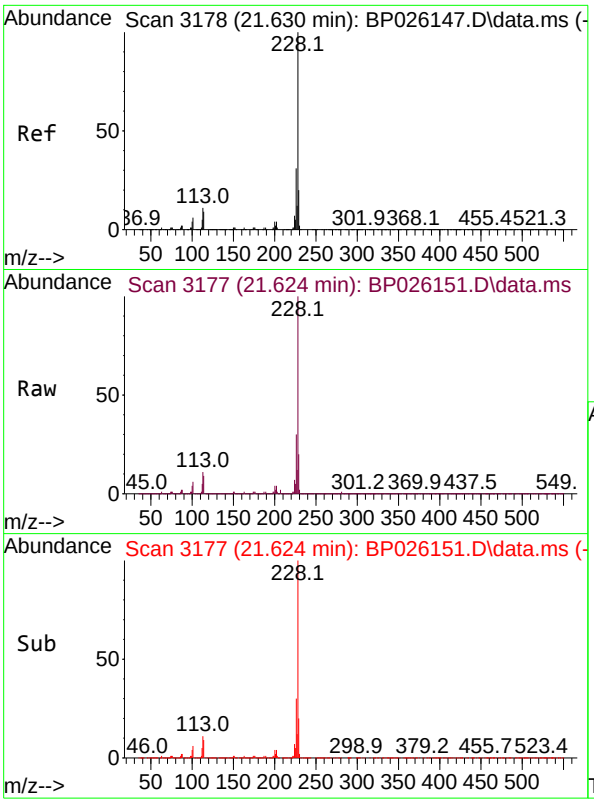


#82
3,3'-Dichlorobenzidine
Concen: 40.210 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:252 Resp: 2205669

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.2	76.8
126	11.5	8.2	12.4

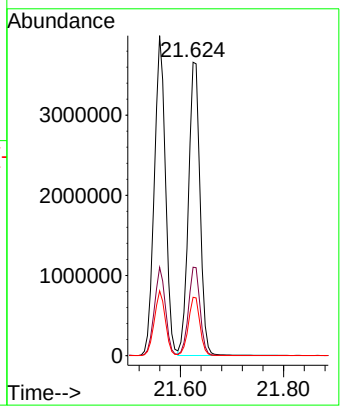




#83
Chrysene
Concen: 39.951 ng
RT: 21.624 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:228 Resp: 567937

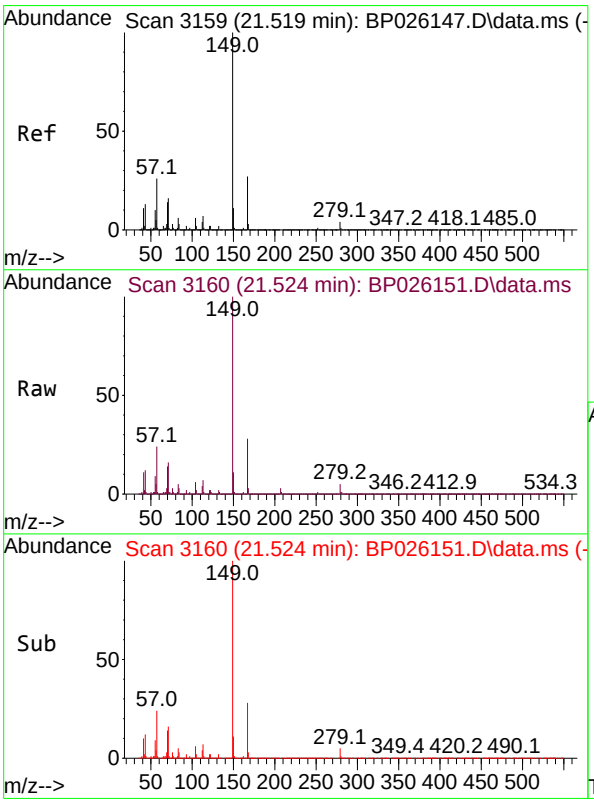
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

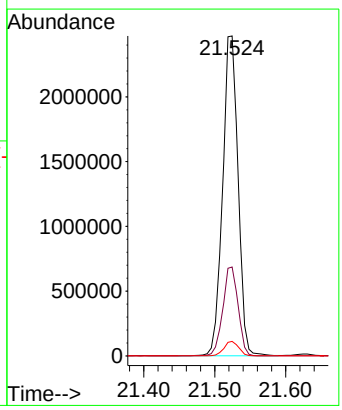
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

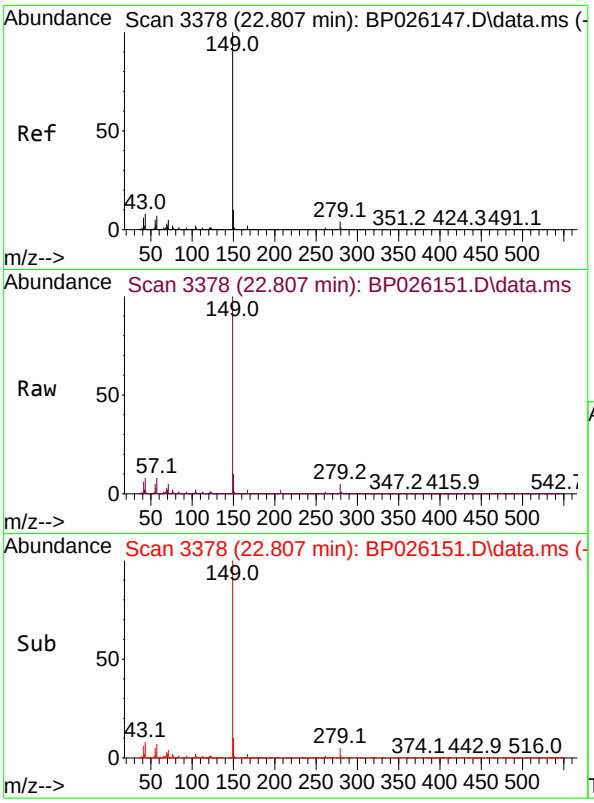


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.974 ng
RT: 21.524 min Scan# 3160
Delta R.T. 0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:149 Resp: 3741593

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.5	3.3	4.9

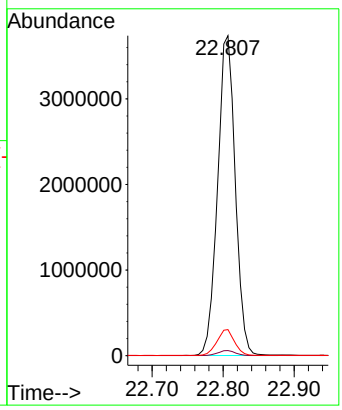




#85
Di-n-octyl phthalate
Concen: 38.576 ng
RT: 22.807 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:149 Resp: 647567

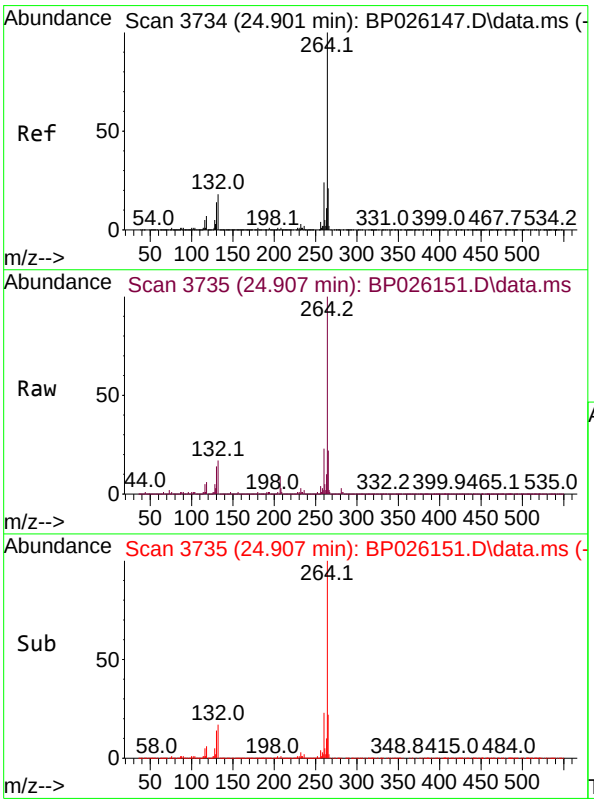
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.0	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

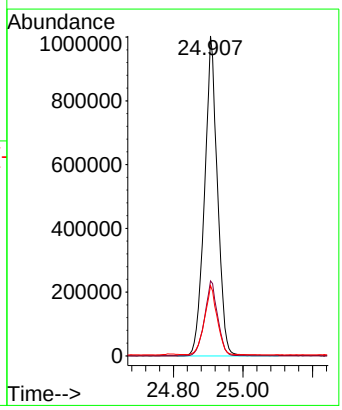
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

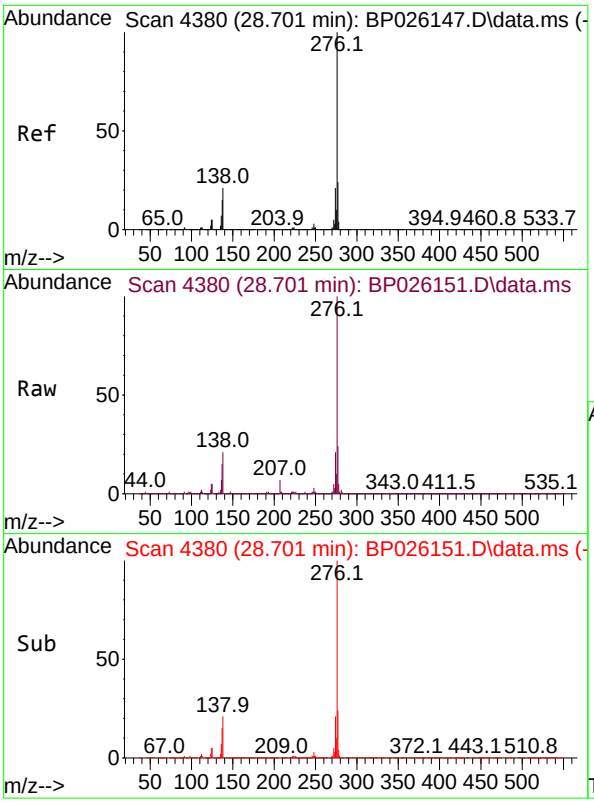


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:264 Resp: 2586780

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.9	17.5	26.3

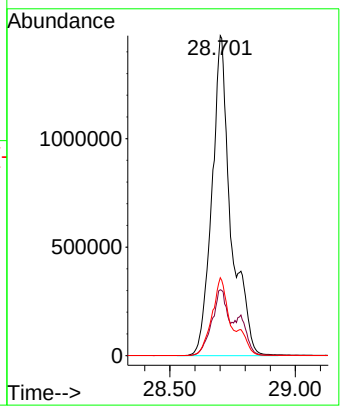




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.852 ng m
RT: 28.701 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:276 Resp: 773132

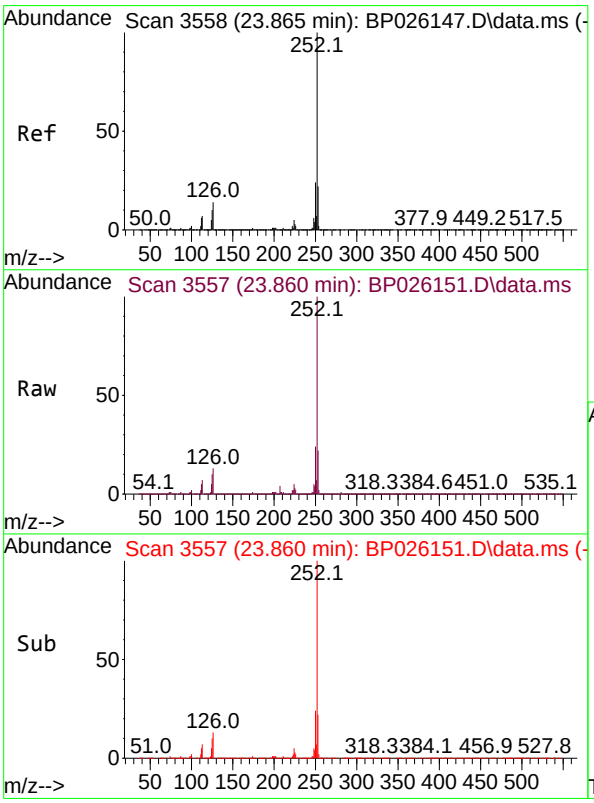
Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.8	20.8
277	21.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations APPROVED

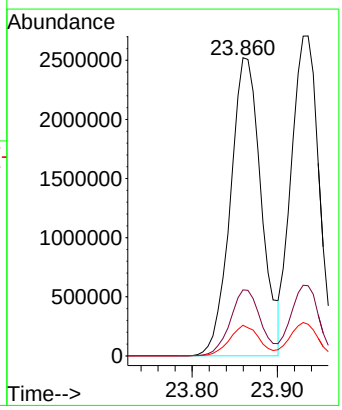
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

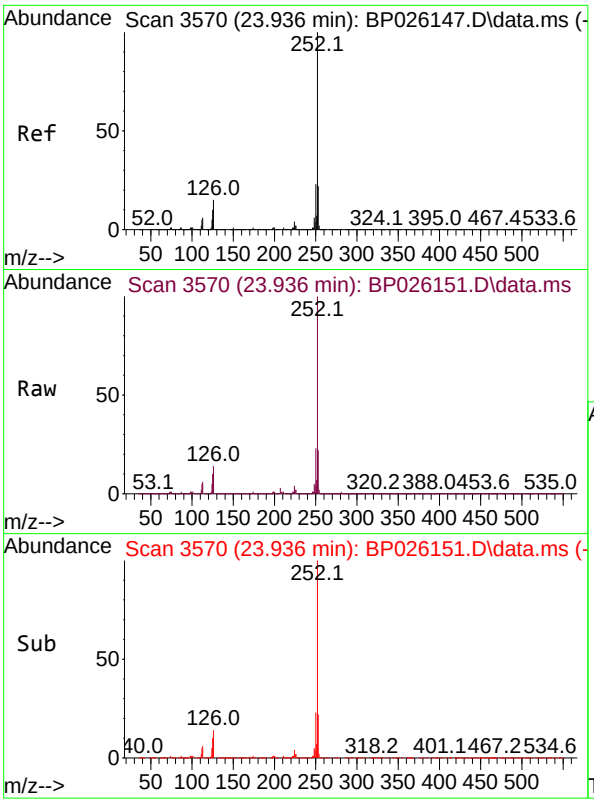


#88
Benzo(b)fluoranthene
Concen: 40.239 ng
RT: 23.860 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:252 Resp: 6338827

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.3	8.2	12.4

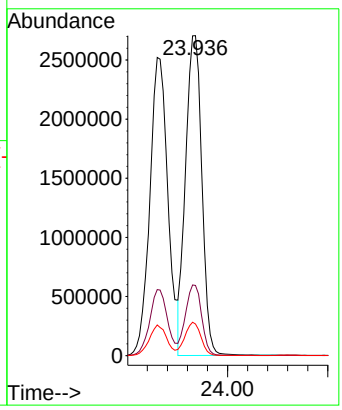




#89
Benzo(k)fluoranthene
Concen: 38.799 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:252 Resp: 610484

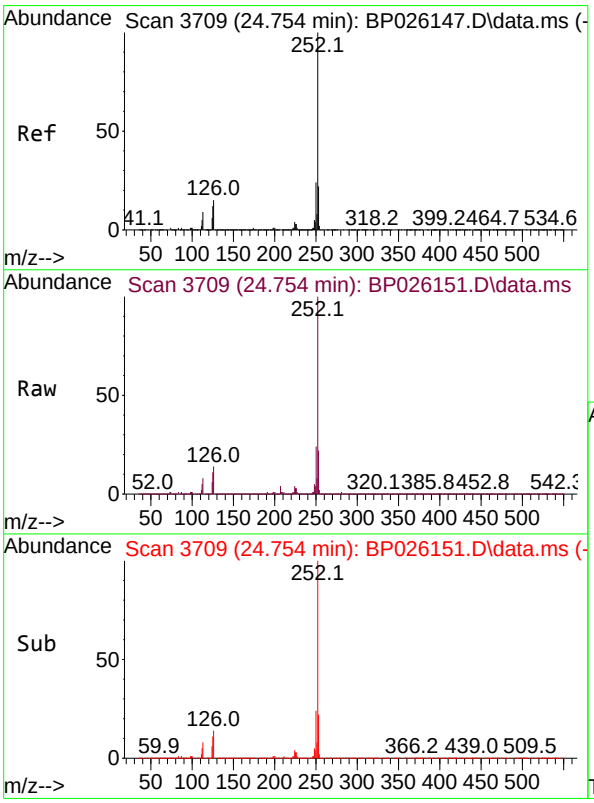
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.9	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

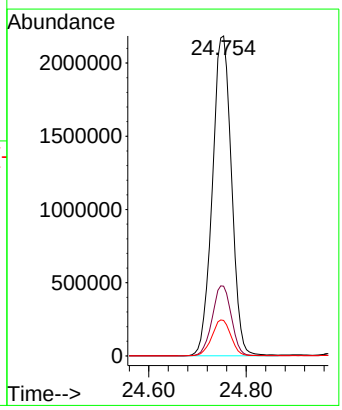
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

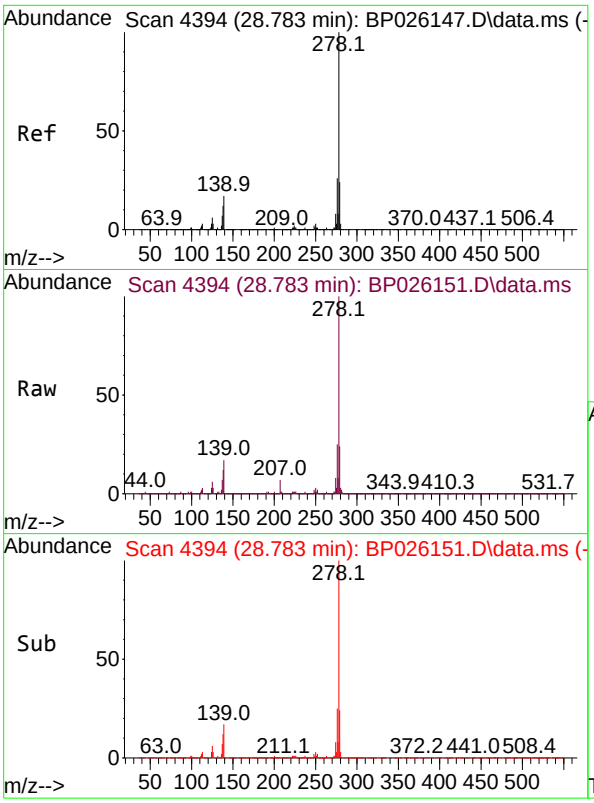


#90
Benzo(a)pyrene
Concen: 39.855 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.000 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:252 Resp: 5947125

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.1	9.0	13.6

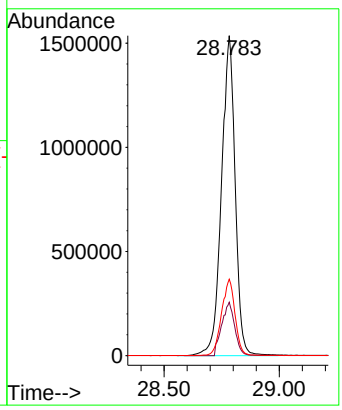




#91
Dibenzo(a,h)anthracene
Concen: 39.970 ng
RT: 28.783 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:278 Resp: 634765

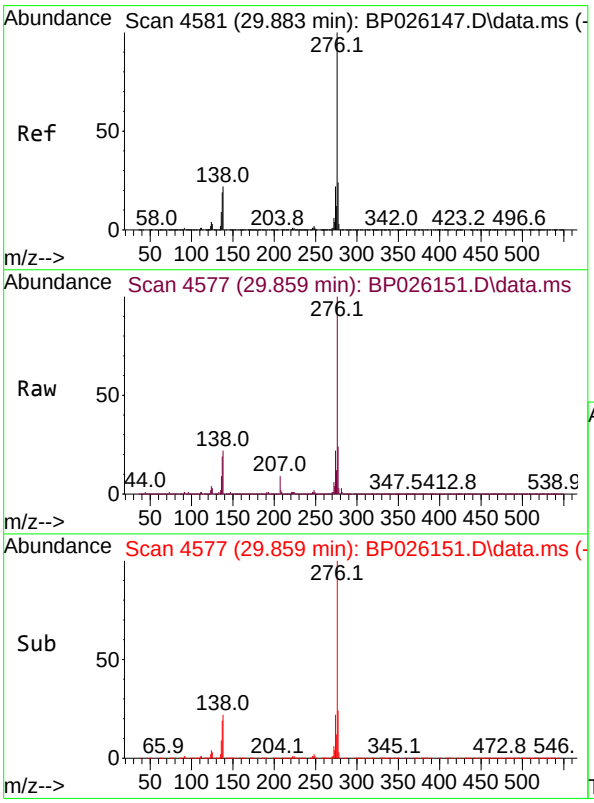
Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.2	19.8
279	23.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Manual Integrations
APPROVED

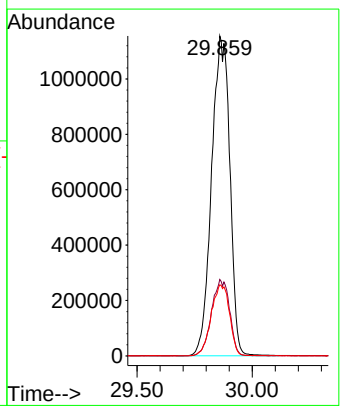
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 40.207 ng
RT: 29.859 min Scan# 4577
Delta R.T. -0.023 min
Lab File: BP026151.D
Acq: 18 Nov 2025 23:25

Tgt Ion:276 Resp: 6346496

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.2	17.8	26.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	107	0.00
2		1,4-Dioxane	0.505	0.475	5.9	105	0.00
3		Pyridine	1.461	1.458	0.2	108	0.00
4		n-Nitrosodimethylamine	0.546	0.545	0.2	108	0.00
5	S	2-Fluorophenol	1.246	1.245	0.1	107	0.00
6		Aniline	2.094	2.186	-4.4	110	0.00
7	S	Phenol-d6	1.586	1.667	-5.1	111	0.00
8		2-Chlorophenol	1.418	1.459	-2.9	109	0.00
9		Benzaldehyde	0.831	0.948	-14.1	110	0.00
10	C	Phenol	1.709	1.797	-5.1	110	0.00
11		bis(2-Chloroethyl)ether	1.338	1.374	-2.7	108	0.00
12		1,3-Dichlorobenzene	1.528	1.512	1.0	106	0.00
13	C	1,4-Dichlorobenzene	1.540	1.530	0.6	107	0.00
14		1,2-Dichlorobenzene	1.479	1.498	-1.3	109	0.00
15		Benzyl Alcohol	1.162	1.232	-6.0	111	0.00
16		2,2'-oxybis(1-Chloropropane	1.879	1.916	-2.0	107	0.00
17		2-Methylphenol	1.163	1.237	-6.4	111	0.00
18		Hexachloroethane	0.560	0.567	-1.2	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	1.067	-8.3	112	0.00
20		3+4-Methylphenols	1.612	1.712	-6.2	113	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
22		Acetophenone	0.508	0.505	0.6	111	0.00
23	S	Nitrobenzene-d5	0.352	0.355	-0.9	111	0.00
24		Nitrobenzene	0.356	0.358	-0.6	111	0.00
25		Isophorone	0.698	0.721	-3.3	113	0.00
26	C	2-Nitrophenol	0.180	0.190	-5.6	112	0.00
27		2,4-Dimethylphenol	0.325	0.330	-1.5	112	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.442	-1.1	112	0.00
29	C	2,4-Dichlorophenol	0.325	0.334	-2.8	113	0.00
30		1,2,4-Trichlorobenzene	0.331	0.327	1.2	110	0.00
31		Naphthalene	1.081	1.069	1.1	111	0.00
32		Benzoic acid	0.274	0.290	-5.8	117	0.01
33		4-Chloroaniline	0.460	0.473	-2.8	112	0.00
34	C	Hexachlorobutadiene	0.215	0.210	2.3	109	0.00
35		Caprolactam	0.116	0.122	-5.2	116	0.01
36	C	4-Chloro-3-methylphenol	0.345	0.369	-7.0	116	0.00
37		2-Methylnaphthalene	0.766	0.784	-2.3	113	0.00
38		1-Methylnaphthalene	0.749	0.770	-2.8	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.605	0.584	3.5	111	0.00
41	P	Hexachlorocyclopentadiene	0.396	0.390	1.5	112	0.00
42	S	2,4,6-Tribromophenol	0.259	0.261	-0.8	112	0.00
43	C	2,4,6-Trichlorophenol	0.415	0.420	-1.2	114	0.00
44		2,4,5-Trichlorophenol	0.463	0.465	-0.4	113	0.00
45	S	2-Fluorobiphenyl	1.365	1.297	5.0	110	0.00
46		1,1'-Biphenyl	1.506	1.464	2.8	112	0.00
47		2-Chloronaphthalene	1.184	1.149	3.0	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	0.329	0.345	-4.9	116	-0.01
49		Acenaphthylene	1.953	1.938	0.8	113	0.00
50		Dimethylphthalate	1.494	1.470	1.6	112	0.00
51		2,6-Dinitrotoluene	0.296	0.319	-7.8	115	0.00
52	C	Acenaphthene	1.145	1.114	2.7	111	0.00
53		3-Nitroaniline	0.349	0.369	-5.7	116	0.00
54	P	2,4-Dinitrophenol	0.179	0.190	-6.1	116	-0.01
55		Dibenzofuran	1.773	1.730	2.4	111	0.00
56	P	4-Nitrophenol	0.315	0.318	-1.0	114	-0.01
57		2,4-Dinitrotoluene	0.442	0.470	-6.3	114	0.00
58		Fluorene	1.401	1.365	2.6	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.393	0.399	-1.5	113	0.00
60		Diethylphthalate	1.505	1.469	2.4	110	-0.01
61		4-Chlorophenyl-phenylether	0.697	0.678	2.7	111	0.00
62		4-Nitroaniline	0.362	0.368	-1.7	115	0.00
63		Azobenzene	1.269	1.264	0.4	111	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00
65		4,6-Dinitro-2-methylphenol	0.127	0.134	-5.5	113	0.00
66	c	n-Nitrosodiphenylamine	0.619	0.619	0.0	112	0.00
67		4-Bromophenyl-phenylether	0.221	0.227	-2.7	111	0.00
68		Hexachlorobenzene	0.257	0.259	-0.8	110	0.00
69		Atrazine	0.233	0.232	0.4	110	0.00
70	C	Pentachlorophenol	0.180	0.183	-1.7	113	0.00
71		Phenanthrene	1.127	1.125	0.2	113	0.00
72		Anthracene	1.149	1.150	-0.1	111	0.00
73		Carbazole	1.091	1.085	0.5	111	0.00
74		Di-n-butylphthalate	1.294	1.257	2.9	104	0.00
75	C	Fluoranthene	1.369	1.339	2.2	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77		Benzidine	0.635	0.631	0.6	112	0.00
78		Pyrene	1.311	1.334	-1.8	110	0.00
79	S	Terphenyl-d14	0.981	0.961	2.0	107	0.00
80		Butylbenzylphthalate	0.578	0.566	2.1	103	0.00
81		Benzo(a)anthracene	1.374	1.365	0.7	109	0.00
82		3,3'-Dichlorobenzidine	0.500	0.502	-0.4	110	0.00
83		Chrysene	1.295	1.293	0.2	111	0.00
84		Bis(2-ethylhexyl)phthalate	0.874	0.852	2.5	100	0.00
85	c	Di-n-octyl phthalate	1.529	1.474	3.6	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	115	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.494	0.4	114	0.00
88		Benzo(b)fluoranthene	1.218	1.225	-0.6	114	0.00
89		Benzo(k)fluoranthene	1.217	1.180	3.0	112	0.00
90	C	Benzo(a)pyrene	1.154	1.150	0.3	113	0.00
91		Dibenzo(a,h)anthracene	1.228	1.227	0.1	114	-0.01
92		Benzo(g,h,i)perylene	1.220	1.227	-0.6	116	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	107	0.00
2		1,4-Dioxane	40.000	37.593	6.0	105	0.00
3		Pyridine	40.000	39.921	0.2	108	0.00
4		n-Nitrosodimethylamine	40.000	39.942	0.1	108	0.00
5	S	2-Fluorophenol	80.000	79.929	0.1	107	0.00
6		Aniline	40.000	41.740	-4.4	110	0.00
7	S	Phenol-d6	80.000	84.094	-5.1	111	0.00
8		2-Chlorophenol	40.000	41.146	-2.9	109	0.00
9		Benzaldehyde	40.000	45.618	-14.0	110	0.00
10	C	Phenol	40.000	42.060	-5.2	110	0.00
11		bis(2-Chloroethyl)ether	40.000	41.067	-2.7	108	0.00
12		1,3-Dichlorobenzene	40.000	39.587	1.0	106	0.00
13	C	1,4-Dichlorobenzene	40.000	39.742	0.6	107	0.00
14		1,2-Dichlorobenzene	40.000	40.516	-1.3	109	0.00
15		Benzyl Alcohol	40.000	42.414	-6.0	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.794	-2.0	107	0.00
17		2-Methylphenol	40.000	42.532	-6.3	111	0.00
18		Hexachloroethane	40.000	40.466	-1.2	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.311	-8.3	112	0.00
20		3+4-Methylphenols	40.000	42.486	-6.2	113	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	111	0.00
22		Acetophenone	40.000	39.758	0.6	111	0.00
23	S	Nitrobenzene-d5	80.000	80.717	-0.9	111	0.00
24		Nitrobenzene	40.000	40.166	-0.4	111	0.00
25		Isophorone	40.000	41.325	-3.3	113	0.00
26	C	2-Nitrophenol	40.000	42.113	-5.3	112	0.00
27		2,4-Dimethylphenol	40.000	40.595	-1.5	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.412	-1.0	112	0.00
29	C	2,4-Dichlorophenol	40.000	41.185	-3.0	113	0.00
30		1,2,4-Trichlorobenzene	40.000	39.515	1.2	110	0.00
31		Naphthalene	40.000	39.543	1.1	111	0.00
32		Benzoic acid	40.000	42.328	-5.8	117	0.01
33		4-Chloroaniline	40.000	41.152	-2.9	112	0.00
34	C	Hexachlorobutadiene	40.000	38.979	2.6	109	0.00
35		Caprolactam	40.000	41.978	-4.9	116	0.01
36	C	4-Chloro-3-methylphenol	40.000	42.798	-7.0	116	0.00
37		2-Methylnaphthalene	40.000	40.901	-2.3	113	0.00
38		1-Methylnaphthalene	40.000	41.101	-2.8	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.653	3.4	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.451	1.4	112	0.00
42	S	2,4,6-Tribromophenol	80.000	80.522	-0.7	112	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.482	-1.2	114	0.00
44		2,4,5-Trichlorophenol	40.000	40.200	-0.5	113	0.00
45	S	2-Fluorobiphenyl	80.000	76.016	5.0	110	0.00
46		1,1'-Biphenyl	40.000	38.891	2.8	112	0.00
47		2-Chloronaphthalene	40.000	38.816	3.0	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	41.880	-4.7	116	-0.01
49		Acenaphthylene	40.000	39.676	0.8	113	0.00
50		Dimethylphthalate	40.000	39.365	1.6	112	0.00
51		2,6-Dinitrotoluene	40.000	43.045	-7.6	115	0.00
52	C	Acenaphthene	40.000	38.919	2.7	111	0.00
53		3-Nitroaniline	40.000	42.369	-5.9	116	0.00
54	P	2,4-Dinitrophenol	40.000	42.569	-6.4	116	-0.01
55		Dibenzofuran	40.000	39.037	2.4	111	0.00
56	P	4-Nitrophenol	40.000	40.312	-0.8	114	-0.01
57		2,4-Dinitrotoluene	40.000	42.577	-6.4	114	0.00
58		Fluorene	40.000	38.962	2.6	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.668	-1.7	113	0.00
60		Diethylphthalate	40.000	39.059	2.4	110	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.882	2.8	111	0.00
62		4-Nitroaniline	40.000	40.700	-1.8	115	0.00
63		Azobenzene	40.000	39.832	0.4	111	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	113	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.199	-5.5	113	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.009	-0.0	112	0.00
67		4-Bromophenyl-phenylether	40.000	40.921	-2.3	111	0.00
68		Hexachlorobenzene	40.000	40.295	-0.7	110	0.00
69		Atrazine	40.000	39.843	0.4	110	0.00
70	C	Pentachlorophenol	40.000	40.719	-1.8	113	0.00
71		Phenanthrene	40.000	39.930	0.2	113	0.00
72		Anthracene	40.000	40.026	-0.1	111	0.00
73		Carbazole	40.000	39.777	0.6	111	0.00
74		Di-n-butylphthalate	40.000	38.873	2.8	104	0.00
75	C	Fluoranthene	40.000	39.137	2.2	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77		Benzidine	40.000	39.739	0.7	112	0.00
78		Pyrene	40.000	40.685	-1.7	110	0.00
79	S	Terphenyl-d14	80.000	78.411	2.0	107	0.00
80		Butylbenzylphthalate	40.000	39.196	2.0	103	0.00
81		Benzo(a)anthracene	40.000	39.748	0.6	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.210	-0.5	110	0.00
83		Chrysene	40.000	39.951	0.1	111	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.974	2.6	100	0.00
85	c	Di-n-octyl phthalate	40.000	38.576	3.6	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	115	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.852	0.4	114	0.00
88		Benzo(b)fluoranthene	40.000	40.239	-0.6	114	0.00
89		Benzo(k)fluoranthene	40.000	38.799	3.0	112	0.00
90	C	Benzo(a)pyrene	40.000	39.855	0.4	113	0.00
91		Dibenzo(a,h)anthracene	40.000	39.970	0.1	114	-0.01
92		Benzo(g,h,i)perylene	40.000	40.207	-0.5	116	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026151.D
Acq On : 18 Nov 2025 23:25
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP111825

Quant Time: Nov 19 01:53:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	ALLI03
Lab Code:	ACE	SDG No.:	Q3483
Instrument ID:	BNA_G	Calibration Date/Time:	11/18/2025 12:10
Lab File ID:	BG064799.D	Init. Calib. Date(s):	11/12/2025 11/12/2025
EPA Sample No.:	SSTDCCC040	Init. Calib. Time(s):	11:17 16:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.128		-1.5	
Phenol-d6	1.523	1.523		0.0	
Nitrobenzene-d5	0.405	0.405		0.0	
2-Fluorobiphenyl	1.433	1.382		-3.6	
2,4,6-Tribromophenol	0.390	0.387		-0.8	
Atrazine	0.253	0.253		0.0	
Terphenyl-d14	1.017	1.058		4.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.164	152	48235	20.000	ng		0.00
21) Naphthalene-d8	10.978	136	186828	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	151237	20.000	ng		0.00
64) Phenanthrene-d10	17.500	188	378244	20.000	ng		0.00
76) Chrysene-d12	21.754	240	462465	20.000	ng		0.00
86) Perylene-d12	25.009	264	455207	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.696	112	217553	78.759	ng		0.00
7) Phenol-d6	7.306	99	293820	79.975	ng		0.00
23) Nitrobenzene-d5	9.327	82	302316	80.006	ng		0.00
42) 2,4,6-Tribromophenol	16.248	330	234306	79.437	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	835854	77.118	ng		0.00
79) Terphenyl-d14	20.091	244	1956806	83.233	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	39621	37.051	ng		98
3) Pyridine	3.939	79	124586	39.101	ng		99
4) n-Nitrosodimethylamine	3.845	42	58234	35.909	ng		87
6) Aniline	7.482	93	195851	39.994	ng		98
8) 2-Chlorophenol	7.723	128	122447	40.371	ng		97
9) Benzaldehyde	7.288	77	88012	36.596	ng		98
10) Phenol	7.335	94	162976	40.771	ng		94
11) bis(2-Chloroethyl)ether	7.570	93	118920	41.807	ng		99
12) 1,3-Dichlorobenzene	8.052	146	138506	39.686	ng		98
13) 1,4-Dichlorobenzene	8.199	146	140408	39.509	ng		96
14) 1,2-Dichlorobenzene	8.522	146	136943	39.742	ng		99
15) Benzyl Alcohol	8.393	79	119248	39.543	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.687	45	247038	36.692	ng		97
17) 2-Methylphenol	8.599	107	113653	40.183	ng		96
18) Hexachloroethane	9.257	117	50733	37.692	ng		95
19) n-Nitroso-di-n-propyla...	8.969	70	101042	40.675	ng		91
20) 3+4-Methylphenols	8.928	107	153166	39.529	ng		97
22) Acetophenone	8.986	105	209958	41.249	ng	#	95
24) Nitrobenzene	9.368	77	157047	41.133	ng		97
25) Isophorone	9.897	82	286217	39.776	ng		98
26) 2-Nitrophenol	10.085	139	73031	42.526	ng		95
27) 2,4-Dimethylphenol	10.132	122	125415	41.107	ng		94
28) bis(2-Chloroethoxy)met...	10.373	93	165776	41.964	ng		98
29) 2,4-Dichlorophenol	10.620	162	136684	41.729	ng		99
30) 1,2,4-Trichlorobenzene	10.843	180	157317	39.774	ng		96
31) Naphthalene	11.031	128	419381	39.598	ng		100
32) Benzoic acid	10.261	122	80990	38.885	ng		95
33) 4-Chloroaniline	11.125	127	176470	41.653	ng		97
34) Hexachlorobutadiene	11.319	225	131861	38.855	ng		98
35) Caprolactam	11.895	113	43151	44.045	ng	#	87
36) 4-Chloro-3-methylphenol	12.235	107	151449	41.541	ng		97
37) 2-Methylnaphthalene	12.623	142	312343	39.410	ng		98
38) 1-Methylnaphthalene	12.841	142	309319	39.290	ng		99
40) 1,2,4,5-Tetrachloroben...	12.988	216	228603	38.840	ng		99
41) Hexachlorocyclopentadiene	12.970	237	159557	37.821	ng		98
43) 2,4,6-Trichlorophenol	13.217	196	140293	40.613	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

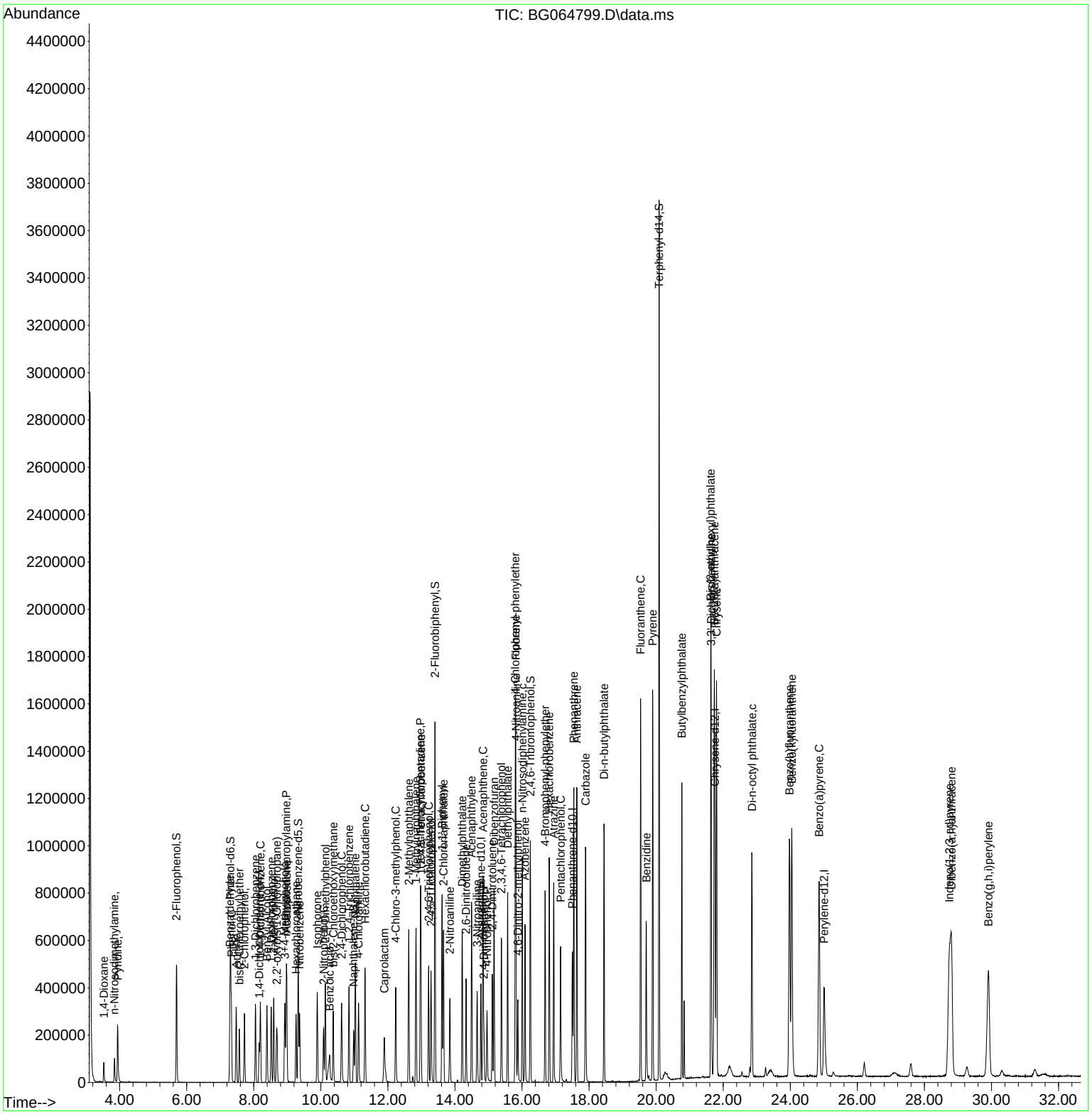
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	155625	40.168	ng		96
46) 1,1'-Biphenyl	13.616	154	420430	38.705	ng		98
47) 2-Chloronaphthalene	13.663	162	336969	39.376	ng		98
48) 2-Nitroaniline	13.851	65	115360	41.911	ng		99
49) Acenaphthylene	14.498	152	578090	39.541	ng		98
50) Dimethylphthalate	14.216	163	471562	39.472	ng		97
51) 2,6-Dinitrotoluene	14.333	165	94651	41.173	ng		98
52) Acenaphthene	14.838	154	355990	40.611	ng		98
53) 3-Nitroaniline	14.662	138	98294	43.322	ng		97
54) 2,4-Dinitrophenol	14.862	184	57590	41.231	ng	#	73
55) Dibenzofuran	15.167	168	571101	39.408	ng		97
56) 4-Nitrophenol	14.956	139	79574	44.204	ng		98
57) 2,4-Dinitrotoluene	15.114	165	146447	42.493	ng		98
58) Fluorene	15.814	166	442954	38.971	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.385	232	161281	42.191	ng		97
60) Diethylphthalate	15.573	149	463863	40.532	ng		99
61) 4-Chlorophenyl-phenyle...	15.802	204	269848	39.560	ng		99
62) 4-Nitroaniline	15.820	138	105356	44.822	ng		93
63) Azobenzene	16.090	77	381695	40.098	ng		98
65) 4,6-Dinitro-2-methylph...	15.878	198	95856	45.644	ng		97
66) n-Nitrosodiphenylamine	16.008	169	405863	40.965	ng		99
67) 4-Bromophenyl-phenylether	16.689	248	199498	40.163	ng		99
68) Hexachlorobenzene	16.812	284	238603	39.648	ng		99
69) Atrazine	16.948	200	191104	40.007	ng		98
70) Pentachlorophenol	17.153	266	141056	42.710	ng		95
71) Phenanthrene	17.547	178	836435	40.417	ng		100
72) Anthracene	17.635	178	855270	40.530	ng		98
73) Carbazole	17.899	167	729900	40.235	ng		100
74) Di-n-butylphthalate	18.446	149	829570	40.989	ng		100
75) Fluoranthene	19.539	202	1097600	38.785	ng		99
77) Benzidine	19.709	184	469297	33.884	ng		98
78) Pyrene	19.897	202	1136034	43.830	ng		99
80) Butylbenzylphthalate	20.767	149	389152	42.685	ng		97
81) Benzo(a)anthracene	21.736	228	1229496	39.099	ng		99
82) 3,3'-Dichlorobenzidine	21.642	252	421764	36.440	ng		99
83) Chrysene	21.801	228	1164626	39.284	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	530522	39.823	ng		100
85) Di-n-octyl phthalate	22.858	149	880187	38.222	ng		98
87) Indeno(1,2,3-cd)pyrene	28.746	276	1292789	41.337	ng	#	96
88) Benzo(b)fluoranthene	23.975	252	1151279	39.742	ng		99
89) Benzo(k)fluoranthene	24.045	252	1168193	40.139	ng		99
90) Benzo(a)pyrene	24.862	252	1064131	39.600	ng		97
91) Dibenzo(a,h)anthracene	28.804	278	1063773	41.520	ng		97
92) Benzo(g,h,i)perylene	29.915	276	1034901	41.971	ng		98

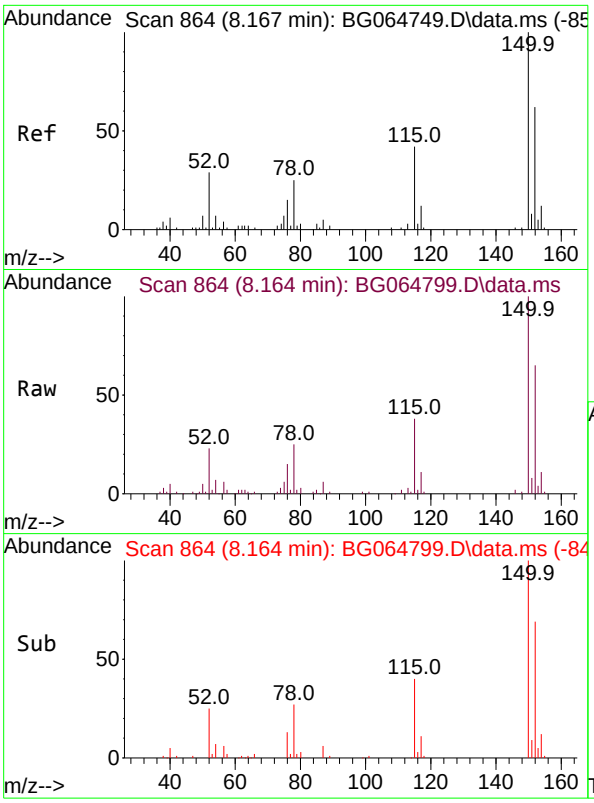
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



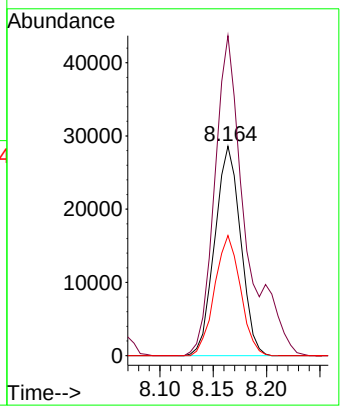


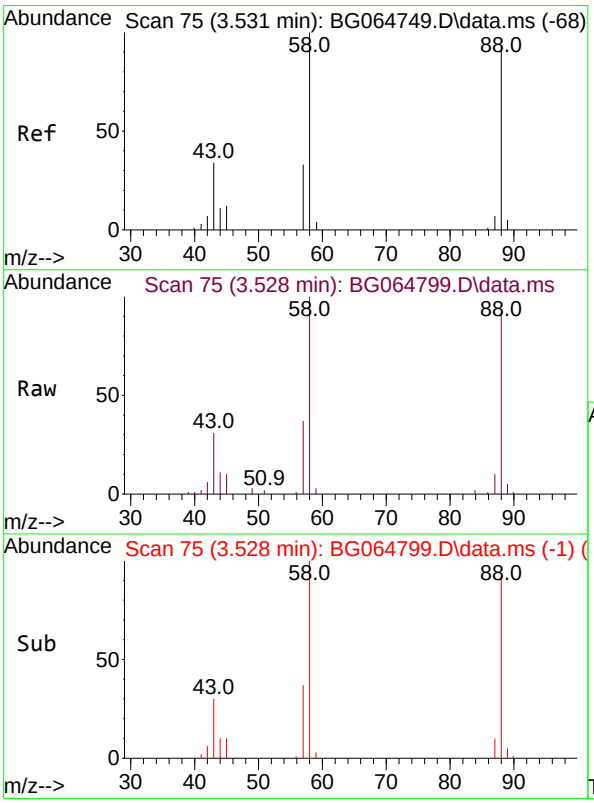
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 48235

Ion	Ratio	Lower	Upper
152	100		
150	152.8	129.2	193.8
115	57.3	53.7	80.5

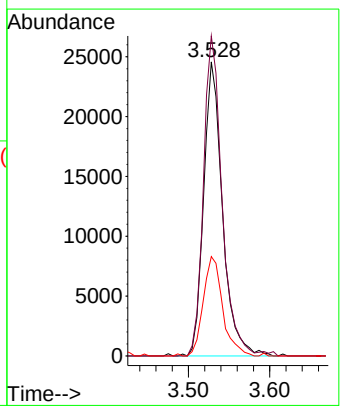


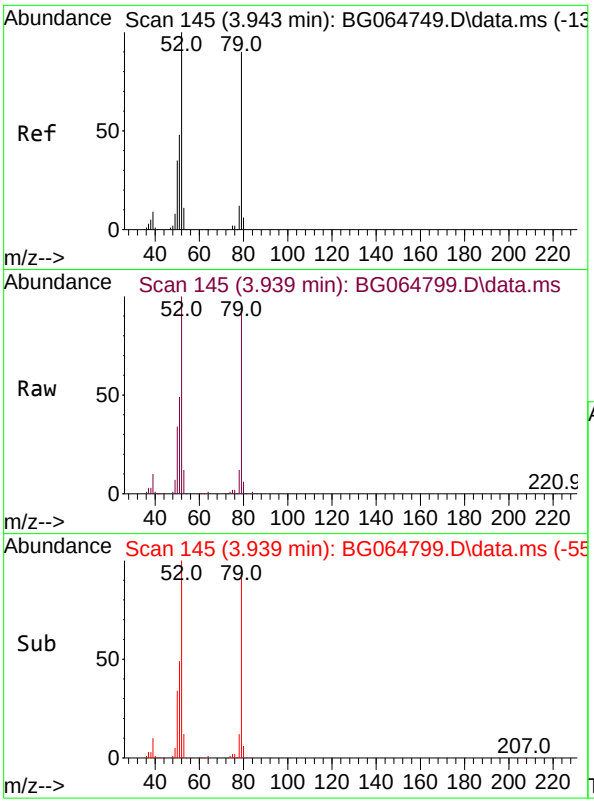


#2
1,4-Dioxane
Concen: 37.051 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 88 Resp: 39621

Ion	Ratio	Lower	Upper
88	100		
58	107.1	84.6	126.8
43	34.7	30.0	45.0



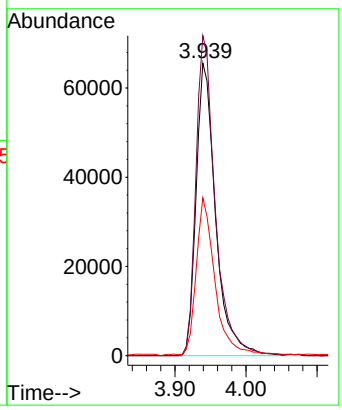


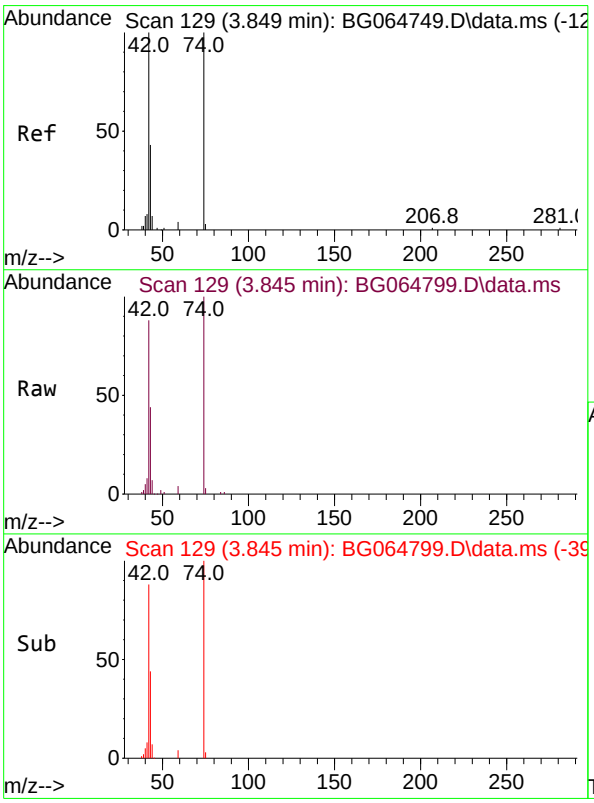
#3
Pyridine
Concen: 39.101 ng
RT: 3.939 min Scan# 14
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 124586

Ion	Ratio	Lower	Upper
79	100		
52	109.4	89.0	133.4
51	54.0	43.4	65.0

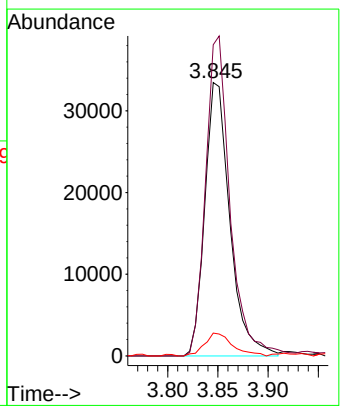


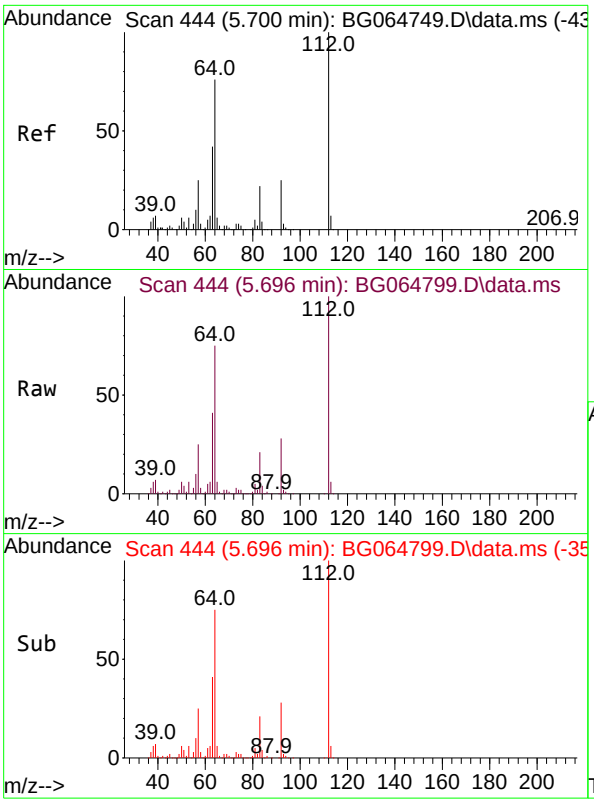


#4
n-Nitrosodimethylamine
Concen: 35.909 ng
RT: 3.845 min Scan# 129
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 42 Resp: 58234

Ion	Ratio	Lower	Upper
42	100		
74	113.8	79.8	119.6
44	8.3	5.9	8.9



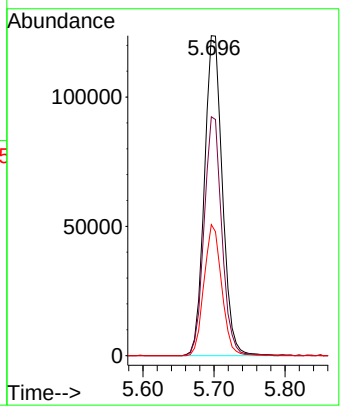


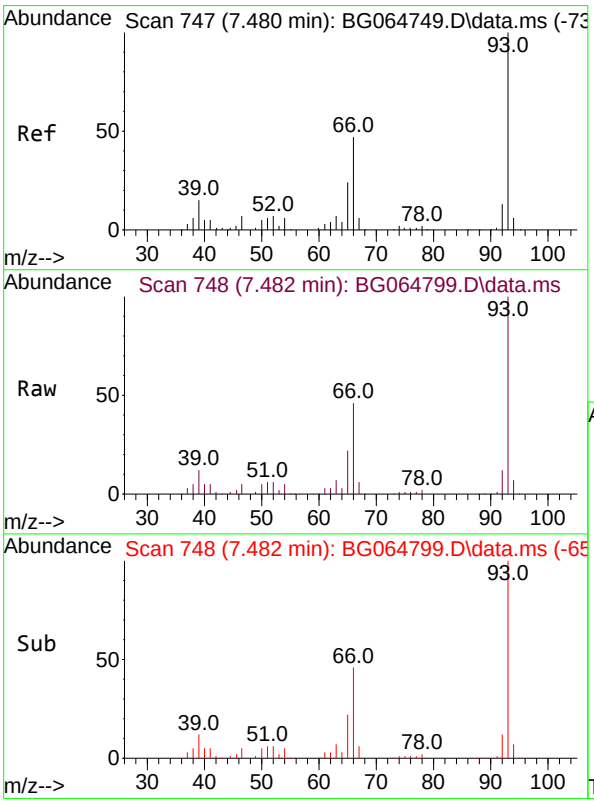
#5
2-Fluorophenol
Concen: 78.759 ng
RT: 5.696 min Scan# 44
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 217553

Ion	Ratio	Lower	Upper
112	100		
64	74.6	61.0	91.4
63	40.9	33.3	49.9

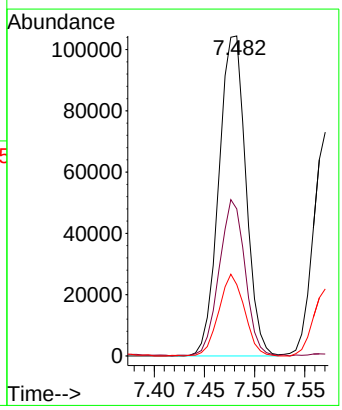


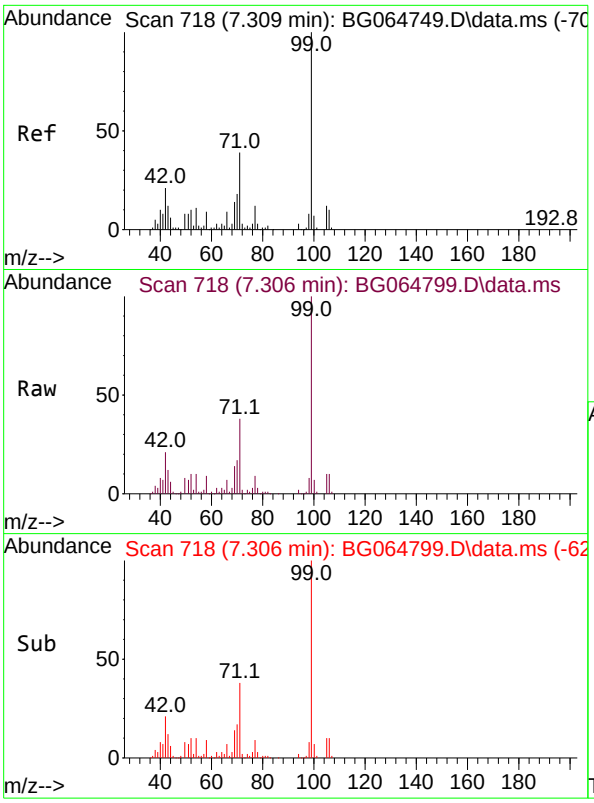


#6
Aniline
Concen: 39.994 ng
RT: 7.482 min Scan# 748
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 93 Resp: 195851

Ion	Ratio	Lower	Upper
93	100		
66	45.9	37.7	56.5
65	22.3	19.1	28.7



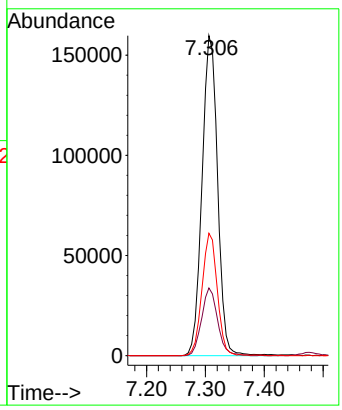


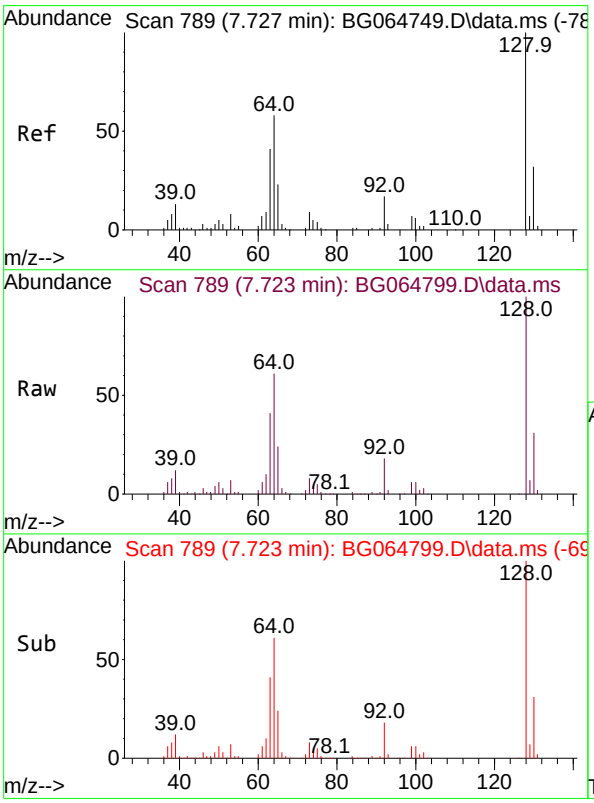
#7
Phenol-d6
Concen: 79.975 ng
RT: 7.306 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 293820

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.8	25.2
71	38.2	31.1	46.7

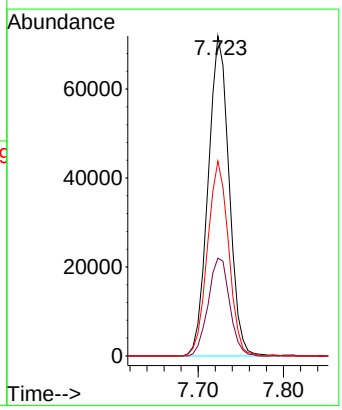


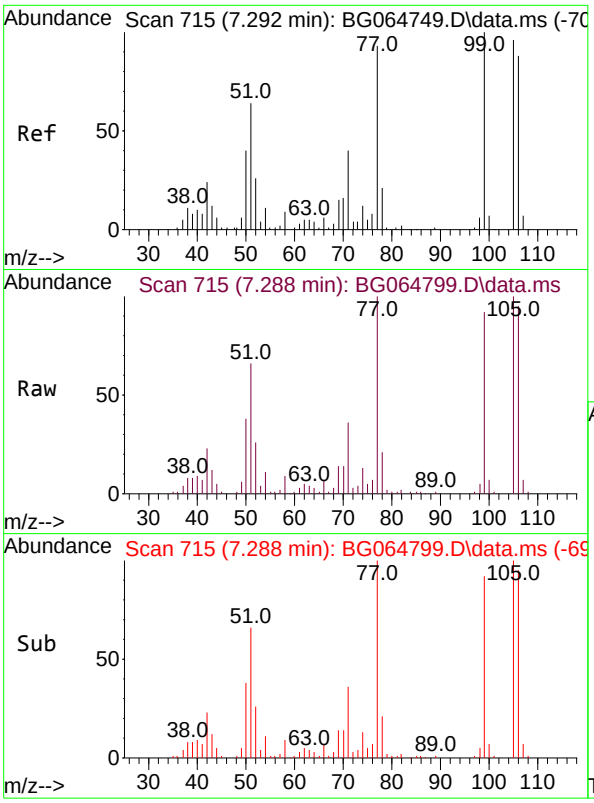


#8
2-Chlorophenol
Concen: 40.371 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:128 Resp: 122447

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.9	51.9
64	60.9	38.4	78.4



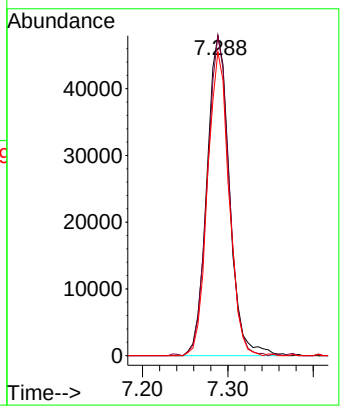


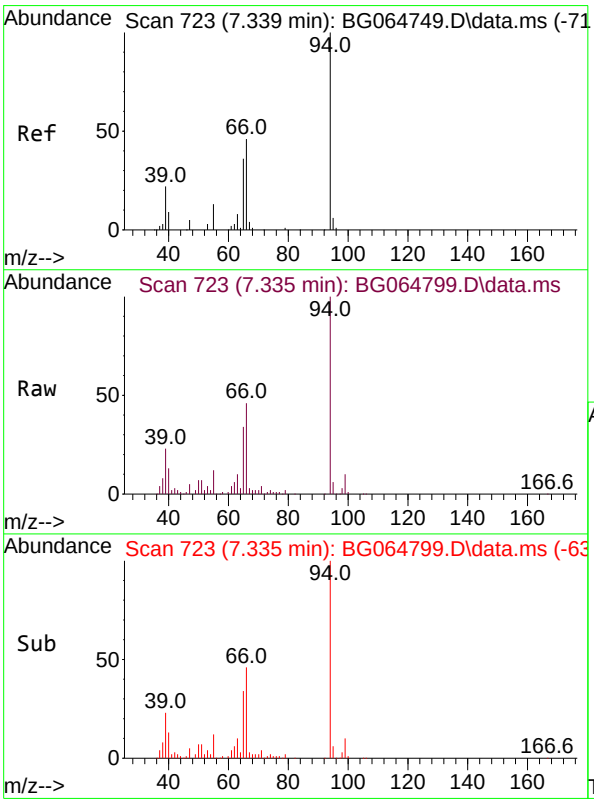
#9
Benzaldehyde
Concen: 36.596 ng
RT: 7.288 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 88012

Ion	Ratio	Lower	Upper
77	100		
105	100.0	83.8	123.8
106	94.9	74.3	114.3

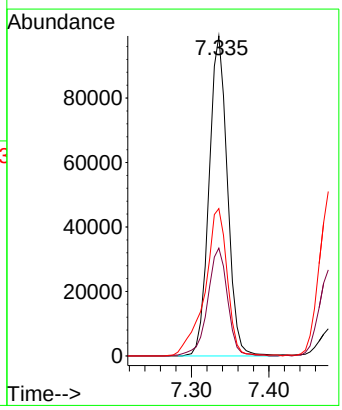


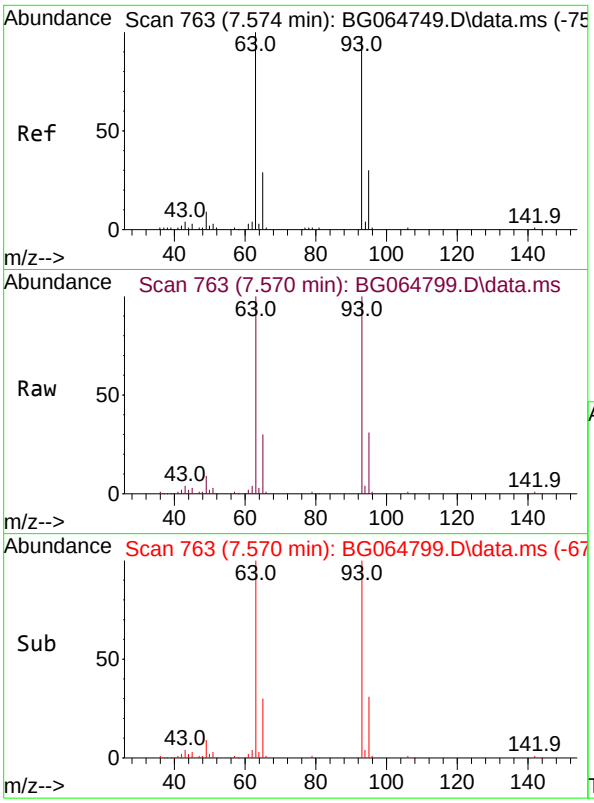


#10
Phenol
Concen: 40.771 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 94 Resp: 162976

Ion	Ratio	Lower	Upper
94	100		
65	33.7	17.0	57.0
66	46.0	29.8	69.8



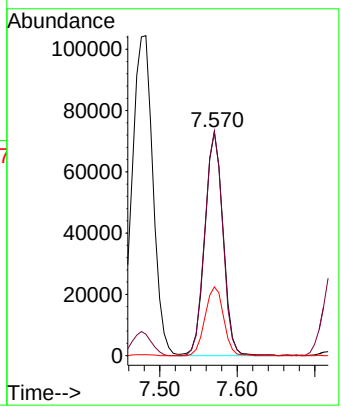


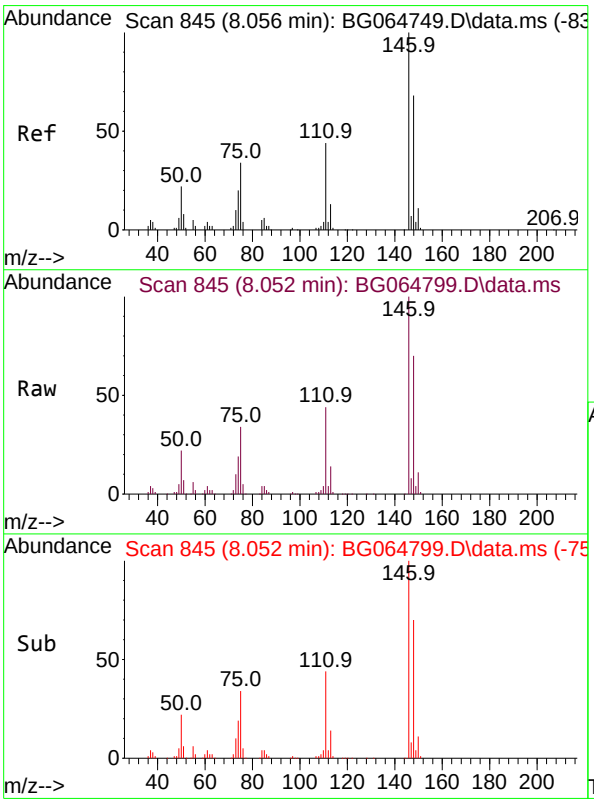
#11
bis(2-Chloroethyl)ether
Concen: 41.807 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 118920

Ion	Ratio	Lower	Upper
93	100		
63	100.2	81.8	121.8
95	30.7	10.3	50.3

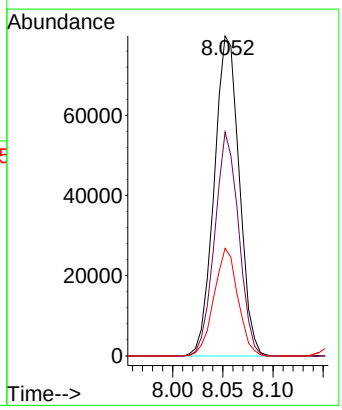


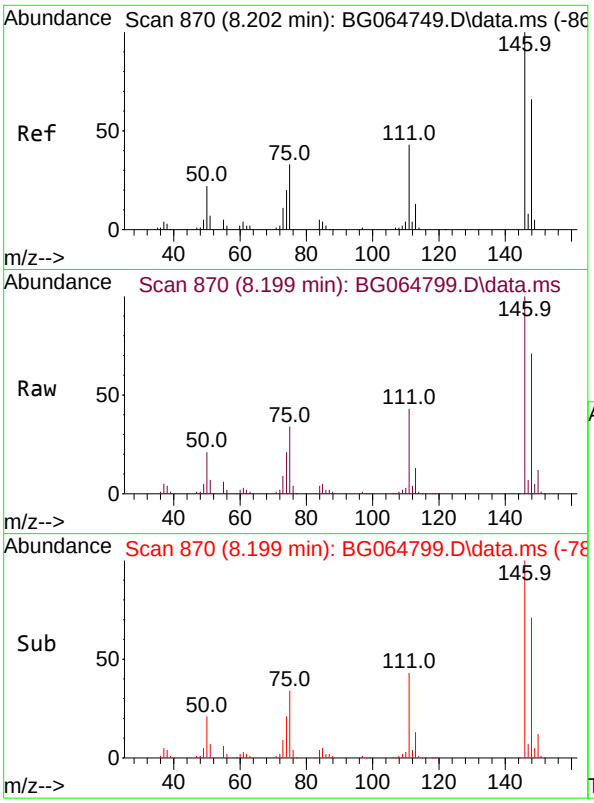


#12
1,3-Dichlorobenzene
Concen: 39.686 ng
RT: 8.052 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:146 Resp: 138506

Ion	Ratio	Lower	Upper
146	100		
148	70.0	54.6	82.0
75	33.6	27.6	41.4



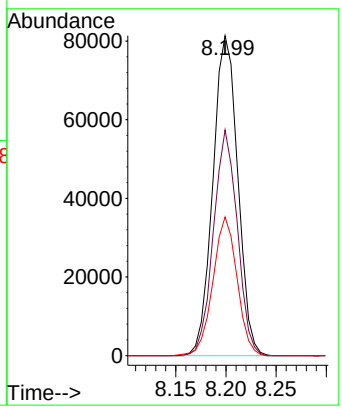


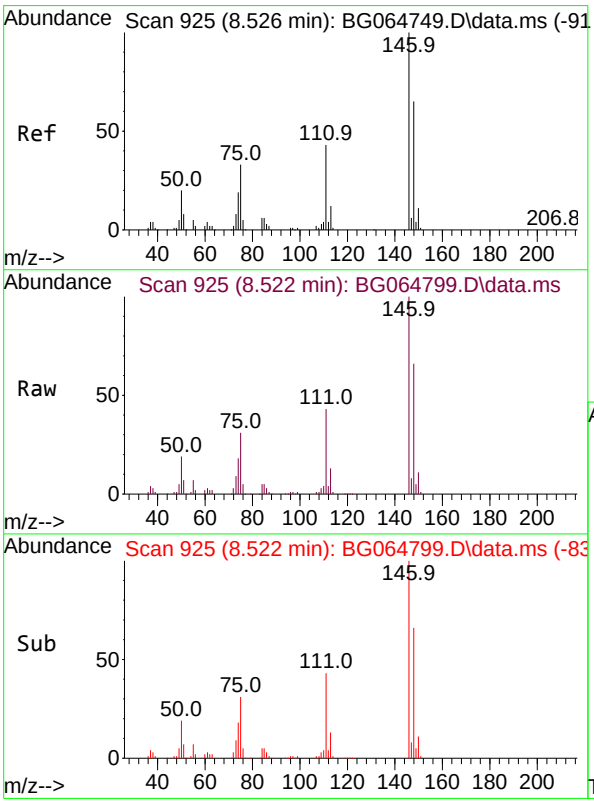
#13
1,4-Dichlorobenzene
Concen: 39.509 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 140408

Ion	Ratio	Lower	Upper
146	100		
148	70.5	53.1	79.7
111	43.3	34.1	51.1

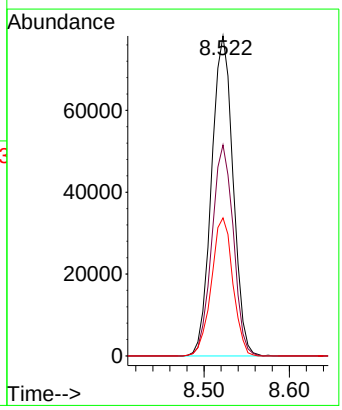


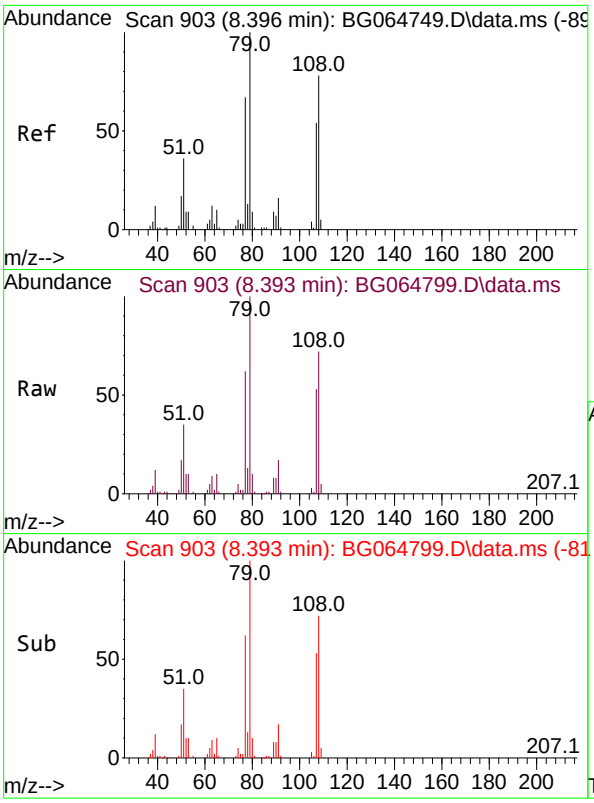


#14
1,2-Dichlorobenzene
Concen: 39.742 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:146 Resp: 136943

Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.0	78.0
111	43.1	34.7	52.1



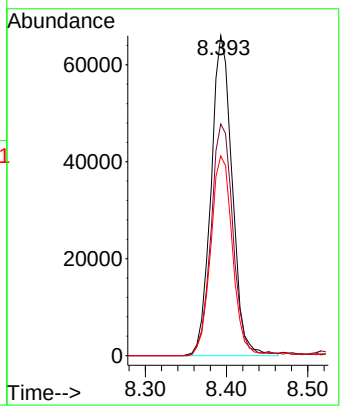


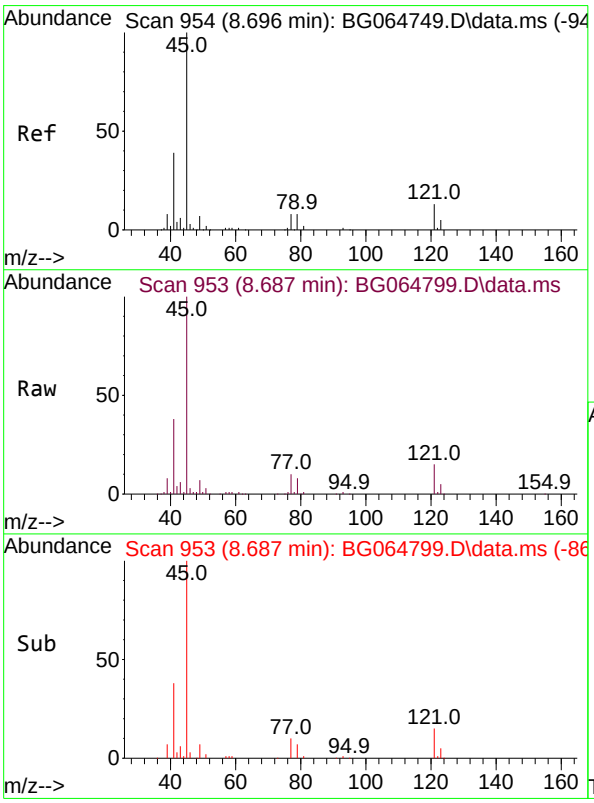
#15
Benzyl Alcohol
Concen: 39.543 ng
RT: 8.393 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 119248

Ion	Ratio	Lower	Upper
79	100		
108	72.4	62.3	93.5
77	62.4	53.5	80.3

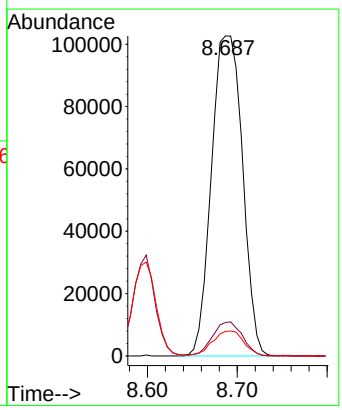


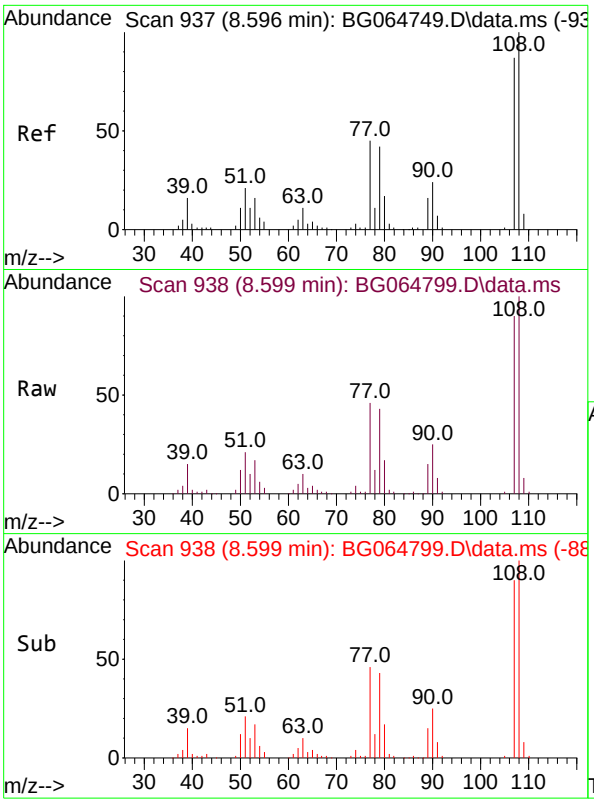


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.692 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 45 Resp: 247038

Ion	Ratio	Lower	Upper
45	100		
77	10.4	0.0	28.8
79	7.6	0.0	28.1



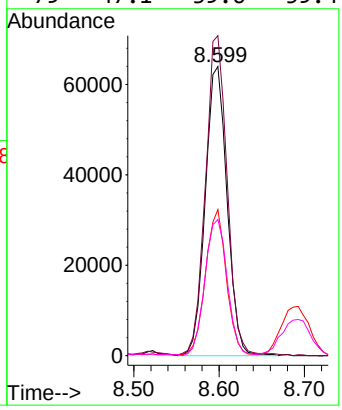


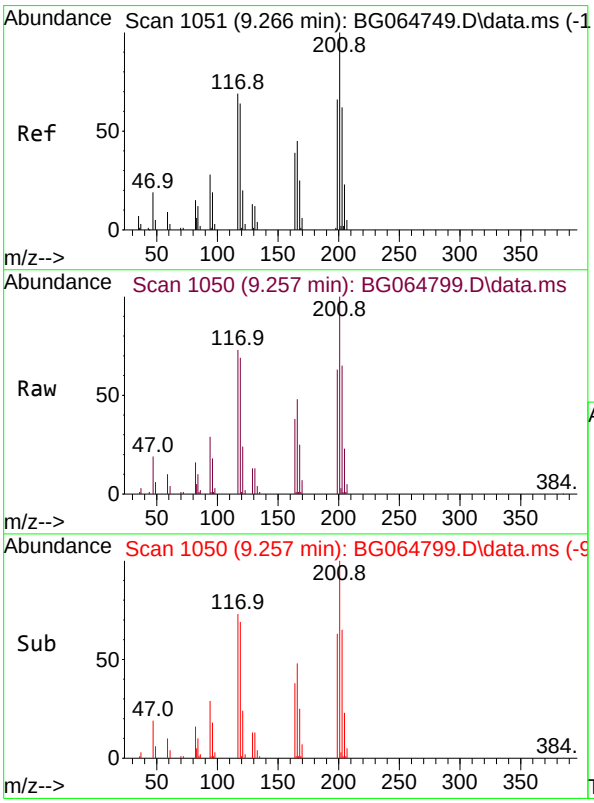
#17
2-Methylphenol
Concen: 40.183 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 113653

Ion	Ratio	Lower	Upper
107	100		
108	110.7	92.6	138.8
77	50.5	41.2	61.8
79	47.1	39.6	59.4

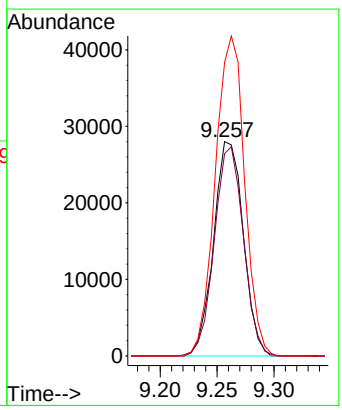


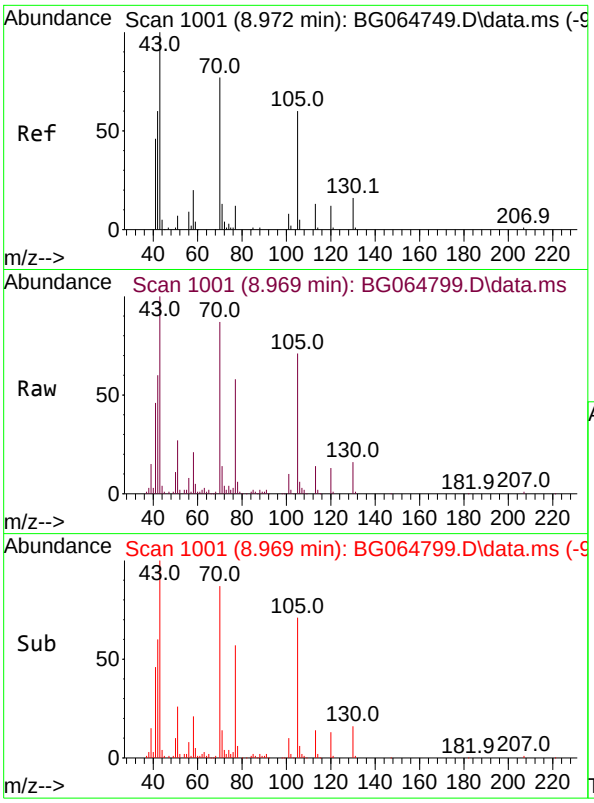


#18
Hexachloroethane
Concen: 37.692 ng
RT: 9.257 min Scan# 1050
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:117 Resp: 50733

Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
201	136.9	116.5	174.7



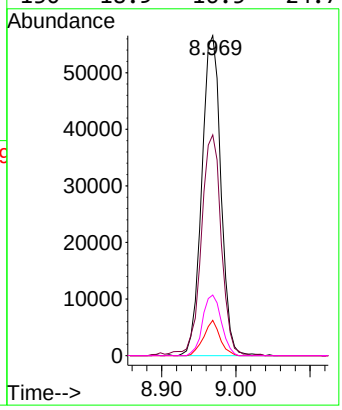


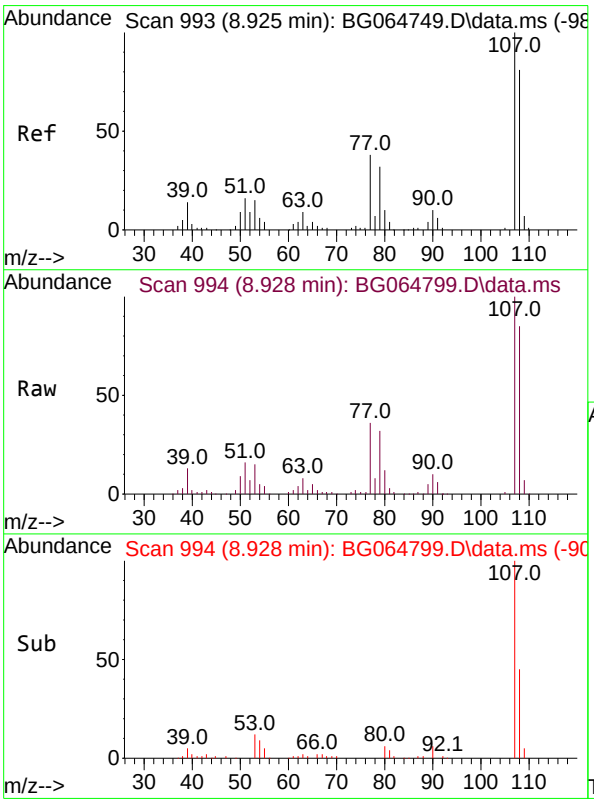
#19
n-Nitroso-di-n-propylamine
Concen: 40.675 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 101042

Ion	Ratio	Lower	Upper
70	100		
42	69.0	62.6	93.8
101	11.0	8.0	12.0
130	18.9	16.5	24.7

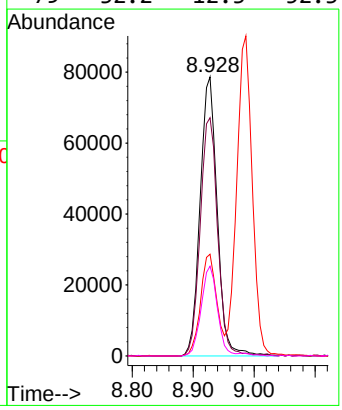


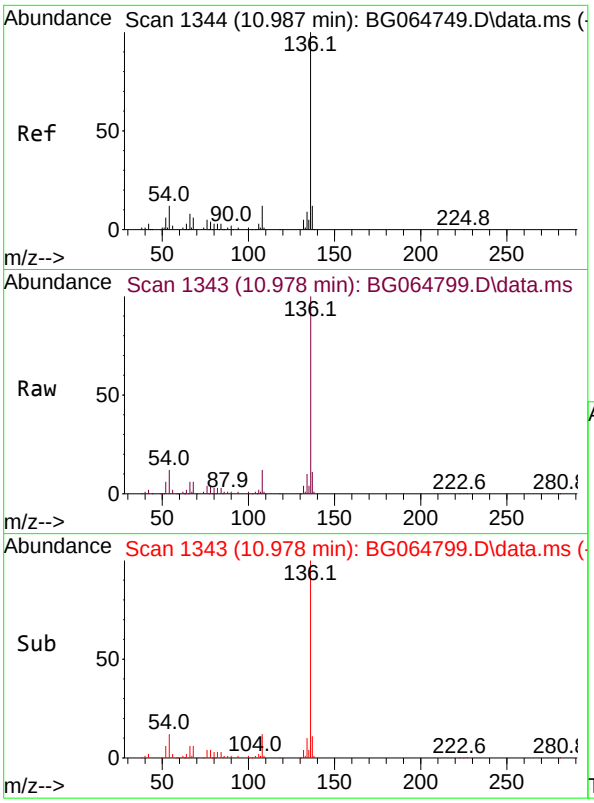


#20
3+4-Methylphenols
Concen: 39.529 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:107 Resp: 153166

Ion	Ratio	Lower	Upper
107	100		
108	85.4	61.0	101.0
77	36.5	17.6	57.6
79	32.2	12.3	52.3



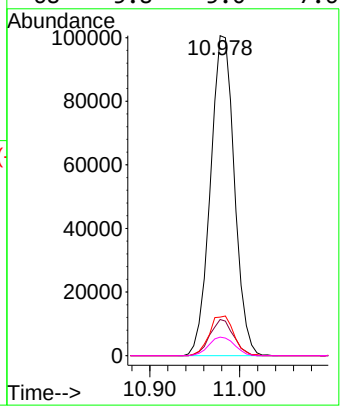


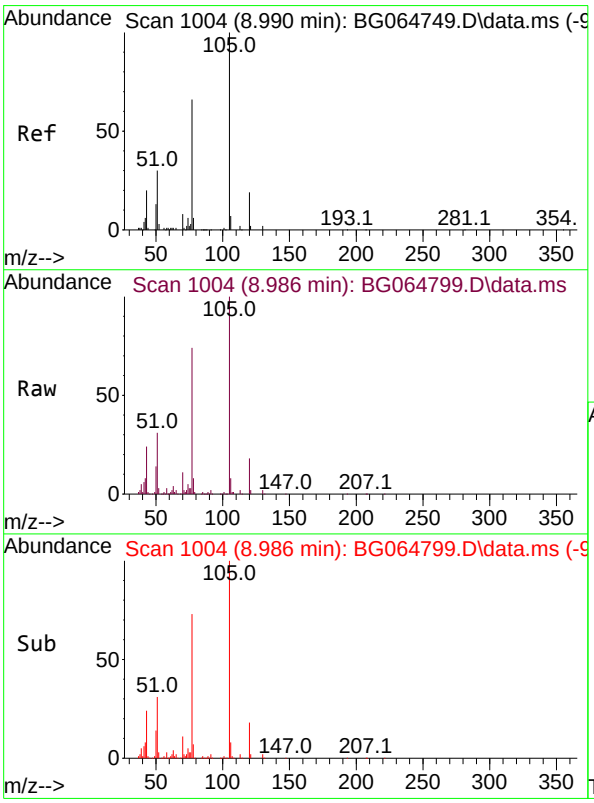
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 186828

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	12.1	9.3	13.9
68	5.8	5.0	7.6

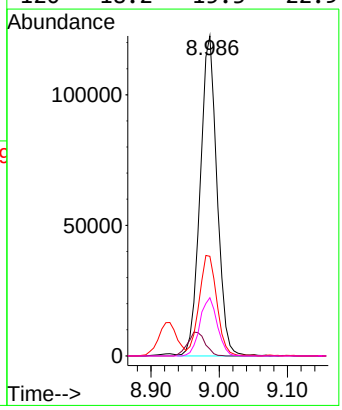


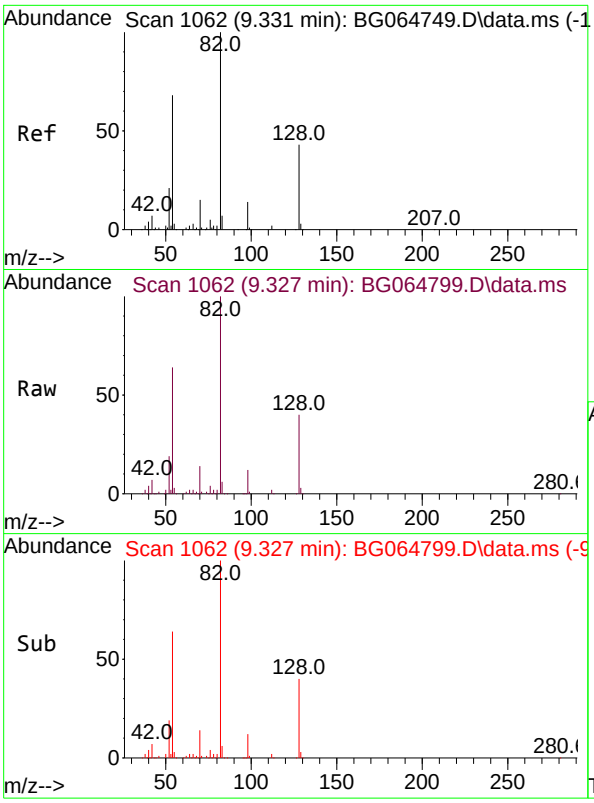


#22
Acetophenone
Concen: 41.249 ng
RT: 8.986 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:105 Resp: 209958

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.3	1.9#
51	31.1	27.9	41.9
120	18.2	15.3	22.9



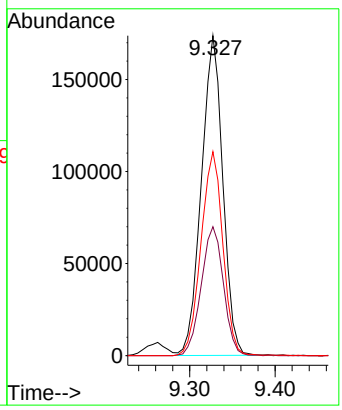


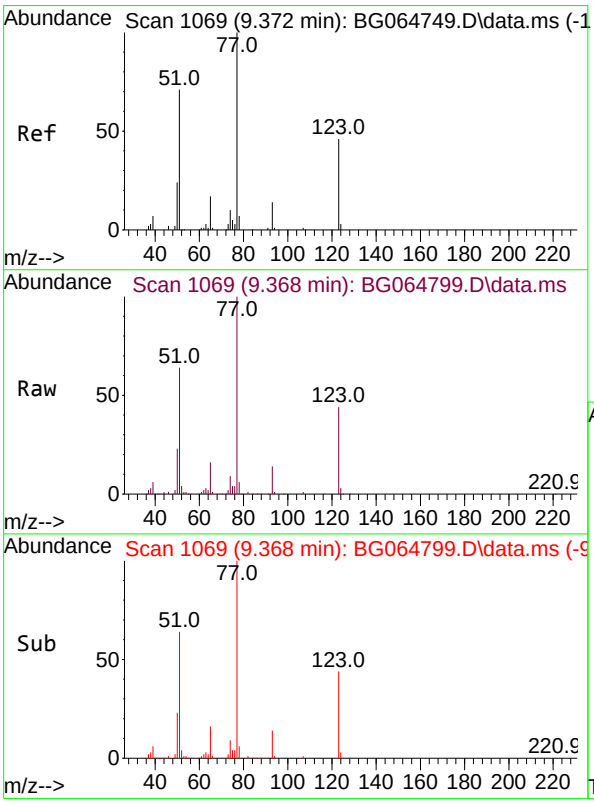
#23
Nitrobenzene-d5
Concen: 80.006 ng
RT: 9.327 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 302316

Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.1	51.1
54	63.7	54.3	81.5

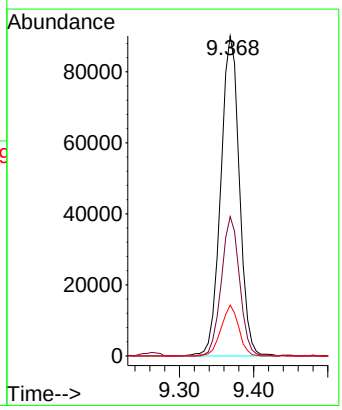


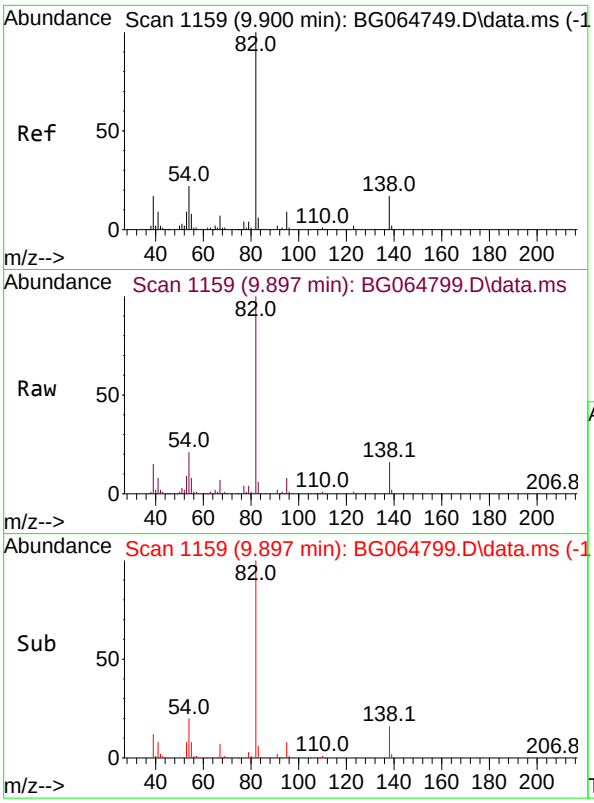


#24
Nitrobenzene
Concen: 41.133 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 77 Resp: 157047

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.5	54.7
65	15.9	13.5	20.3



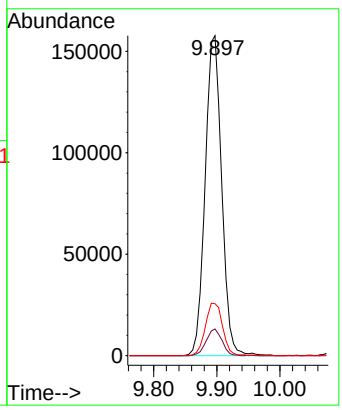


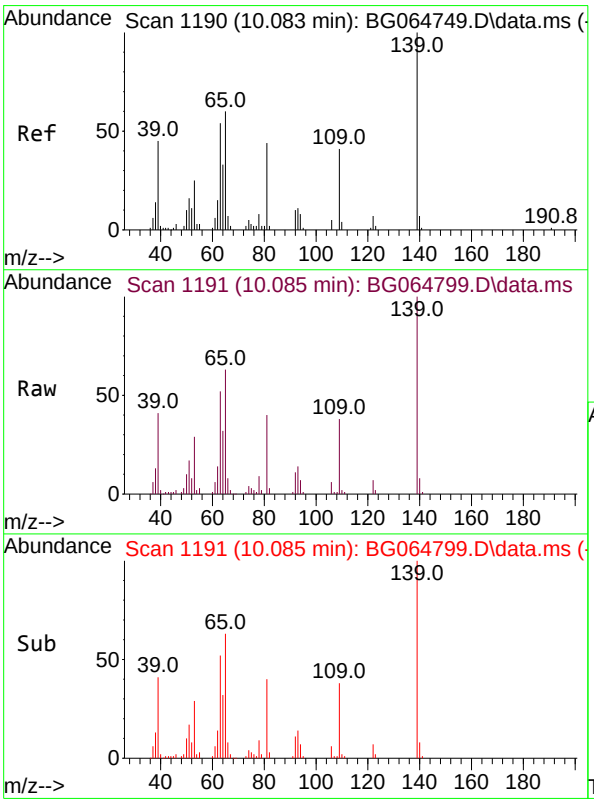
#25
Isophorone
Concen: 39.776 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 286217

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.9	10.3
138	16.2	13.9	20.9

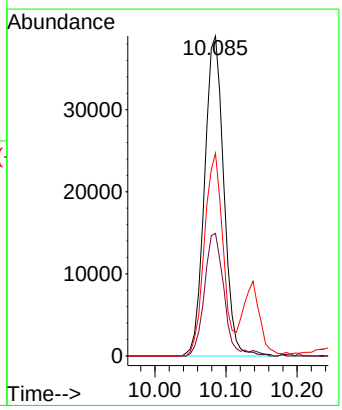


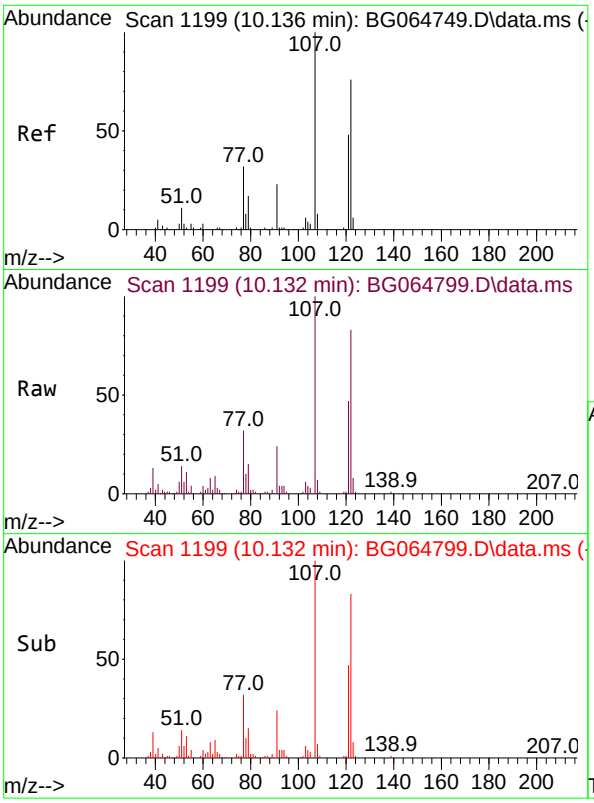


#26
2-Nitrophenol
Concen: 42.526 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:139 Resp: 73031

Ion	Ratio	Lower	Upper
139	100		
109	38.3	32.5	48.7
65	63.3	47.6	71.4



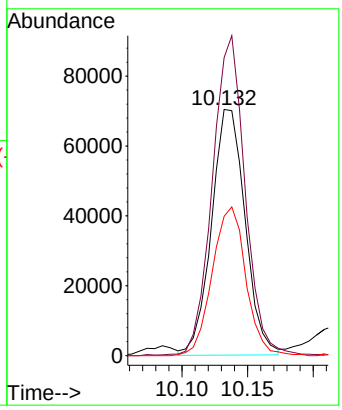


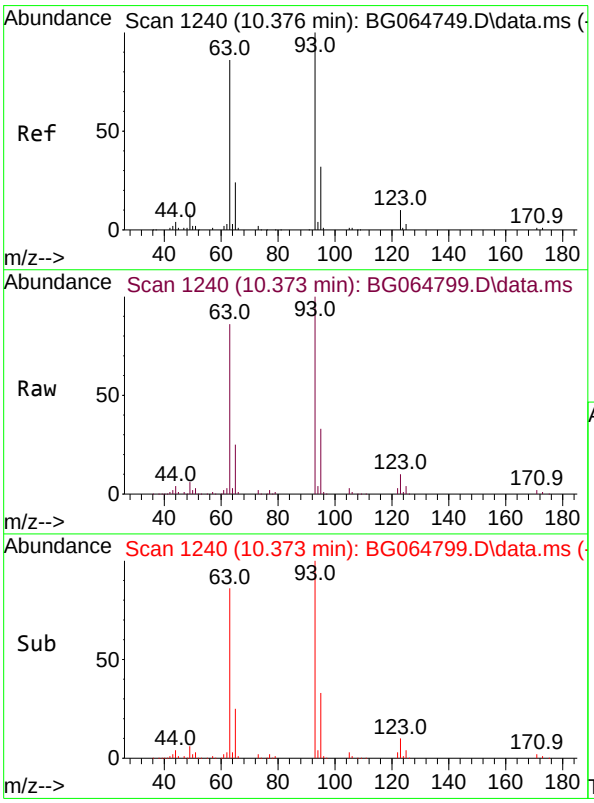
#27
2,4-Dimethylphenol
Concen: 41.107 ng
RT: 10.132 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 125415

Ion	Ratio	Lower	Upper
122	100		
107	121.1	102.5	153.7
121	56.6	49.0	73.6

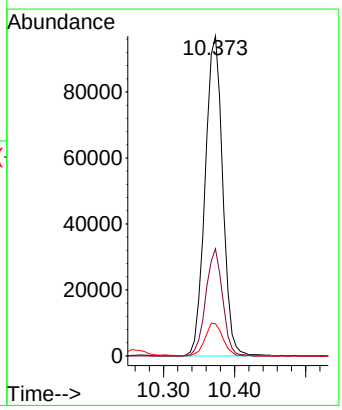


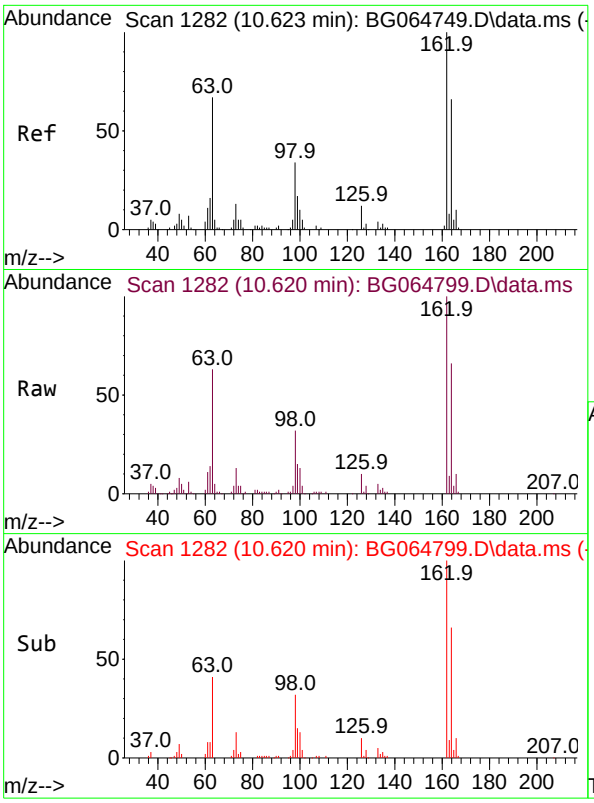


#28
bis(2-Chloroethoxy)methane
Concen: 41.964 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 93 Resp: 165776

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.4	38.2
123	10.0	8.1	12.1



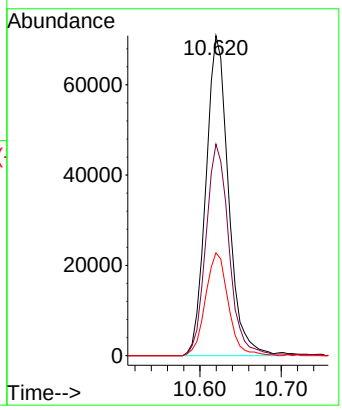


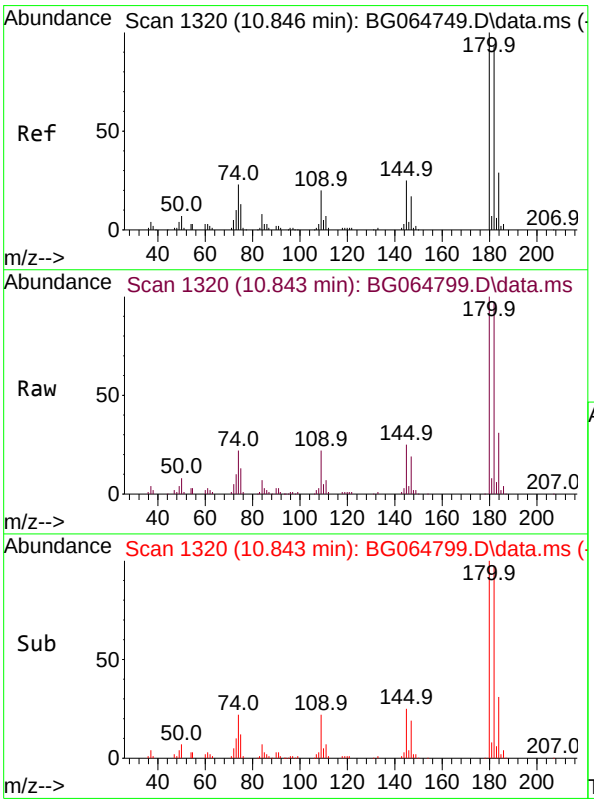
#29
2,4-Dichlorophenol
Concen: 41.729 ng
RT: 10.620 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 136684

Ion	Ratio	Lower	Upper
162	100		
164	66.1	46.0	86.0
98	32.1	14.2	54.2

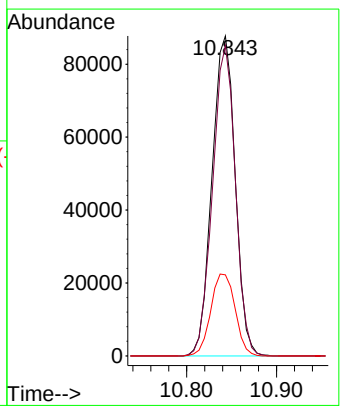


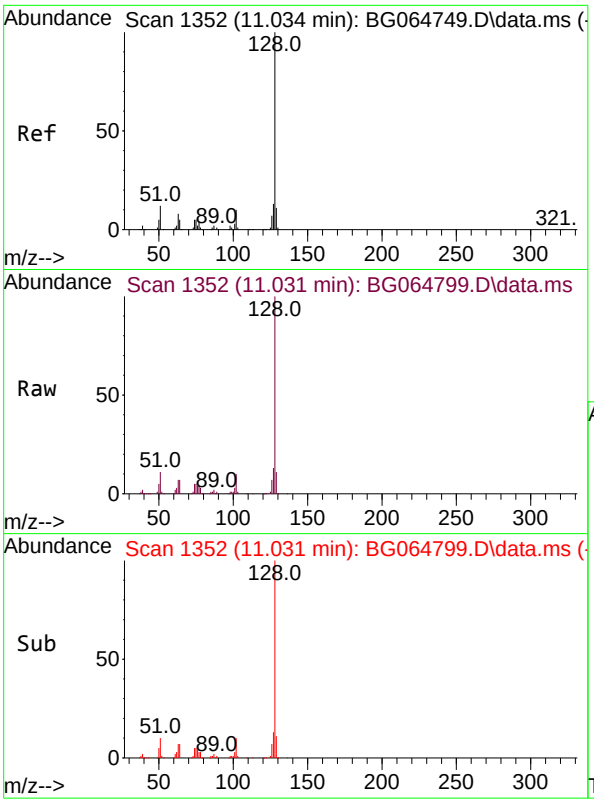


#30
1,2,4-Trichlorobenzene
Concen: 39.774 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:180 Resp: 157317

Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.2	111.4
145	25.3	20.0	30.0



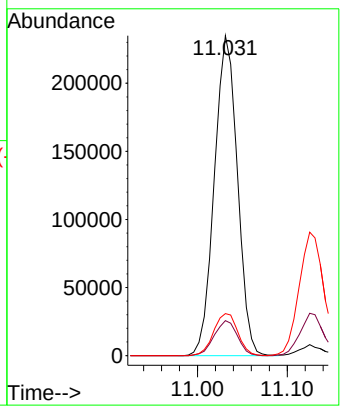


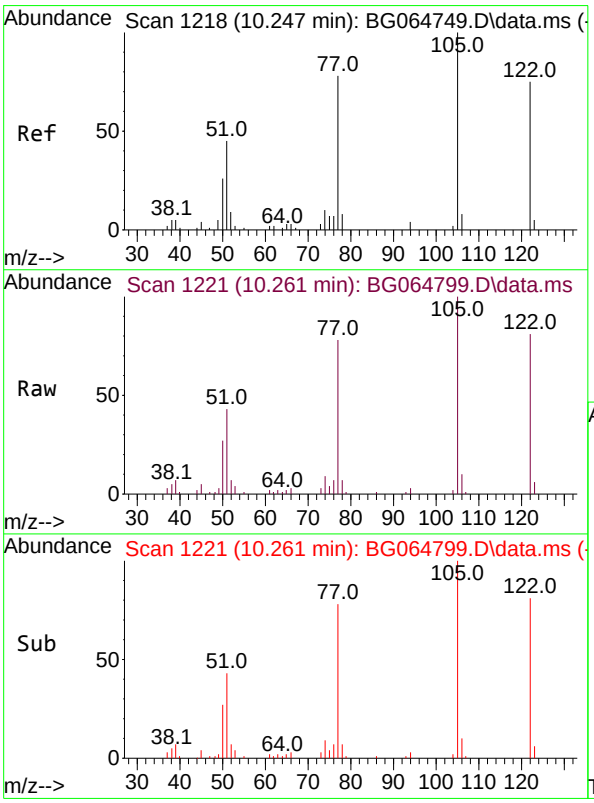
#31
Naphthalene
Concen: 39.598 ng
RT: 11.031 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 419381

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.1	10.6	16.0

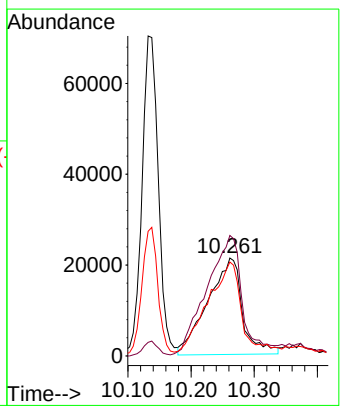


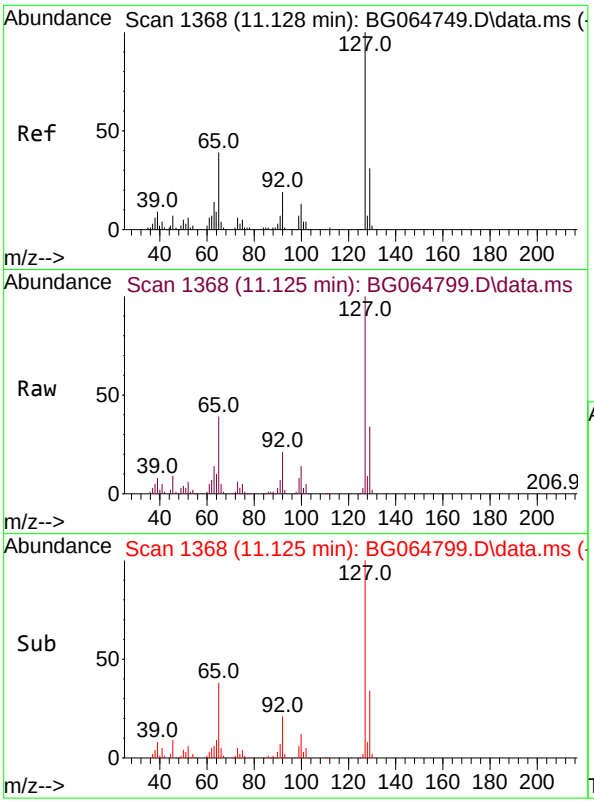


#32
Benzoic acid
Concen: 38.885 ng
RT: 10.261 min Scan# 1221
Delta R.T. 0.014 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:122 Resp: 80990

Ion	Ratio	Lower	Upper
122	100		
105	123.1	107.6	147.6
77	96.0	82.5	122.5



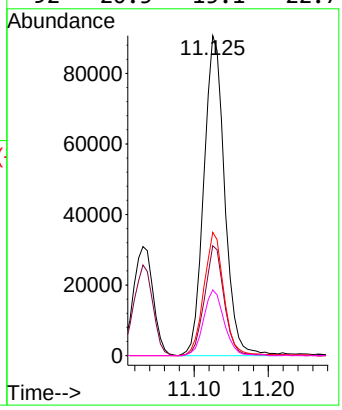


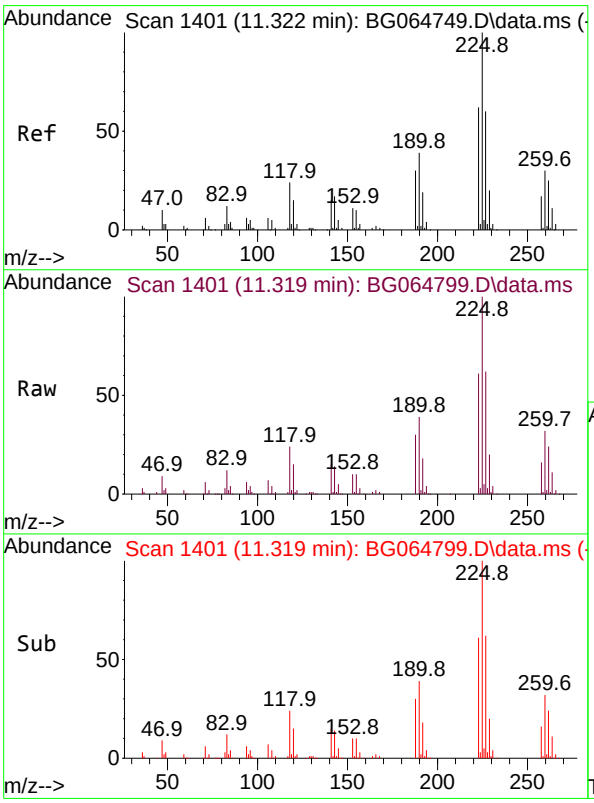
#33
4-Chloroaniline
Concen: 41.653 ng
RT: 11.125 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 176470

Ion	Ratio	Lower	Upper
127	100		
129	34.3	24.9	37.3
65	38.5	30.9	46.3
92	20.5	15.1	22.7

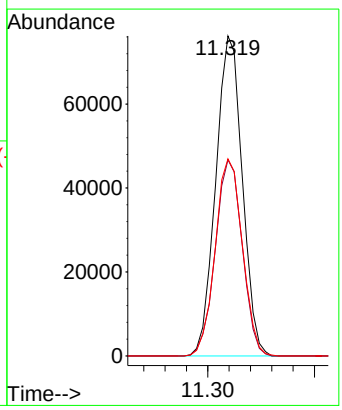


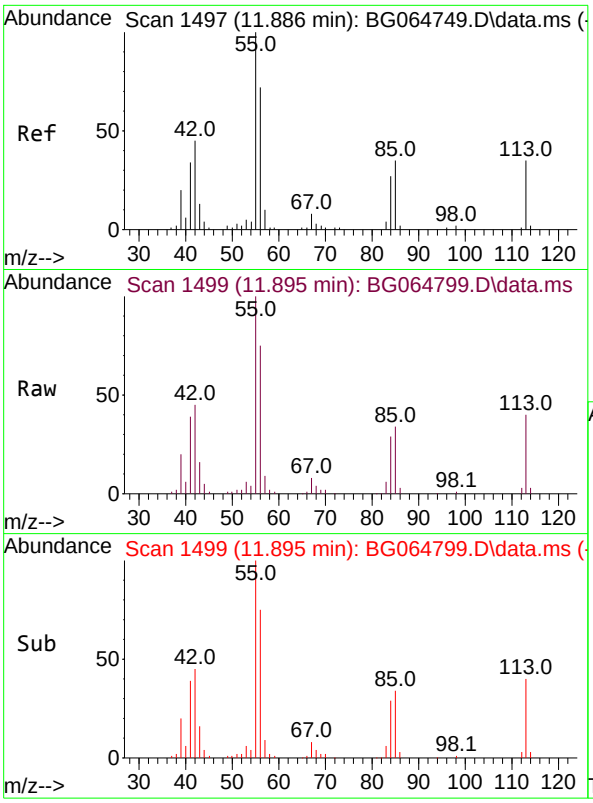


#34
Hexachlorobutadiene
Concen: 38.855 ng
RT: 11.319 min Scan# 1401
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:225 Resp: 131861

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.9	74.9
227	61.6	50.6	75.8



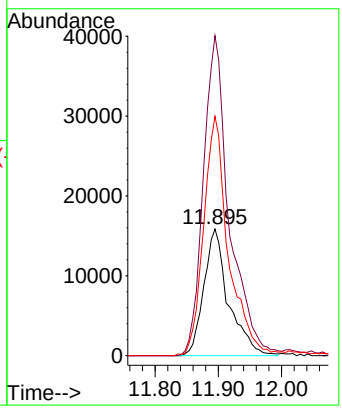


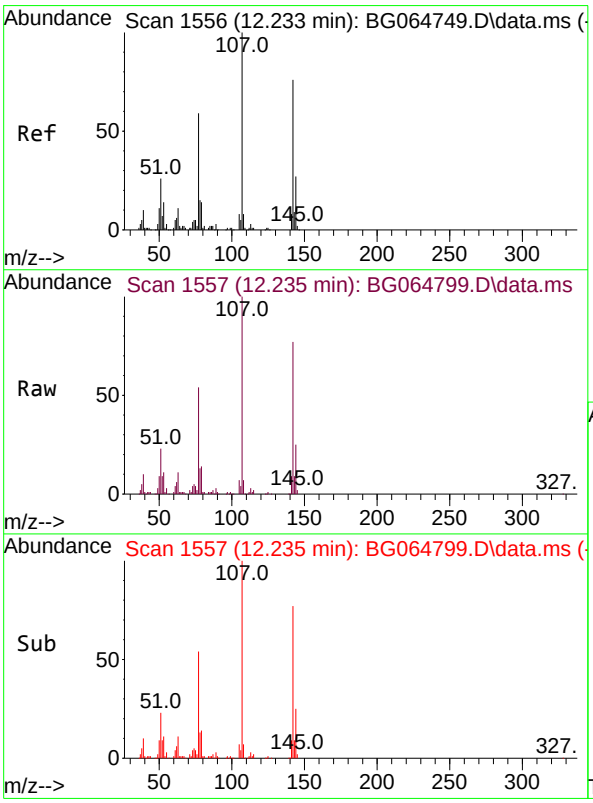
#35
Caprolactam
Concen: 44.045 ng
RT: 11.895 min Scan# 14
Delta R.T. 0.008 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 43151

Ion	Ratio	Lower	Upper
113	100		
55	253.0	263.7	303.7#
56	189.3	184.0	224.0

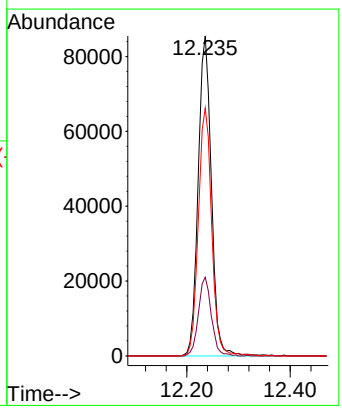


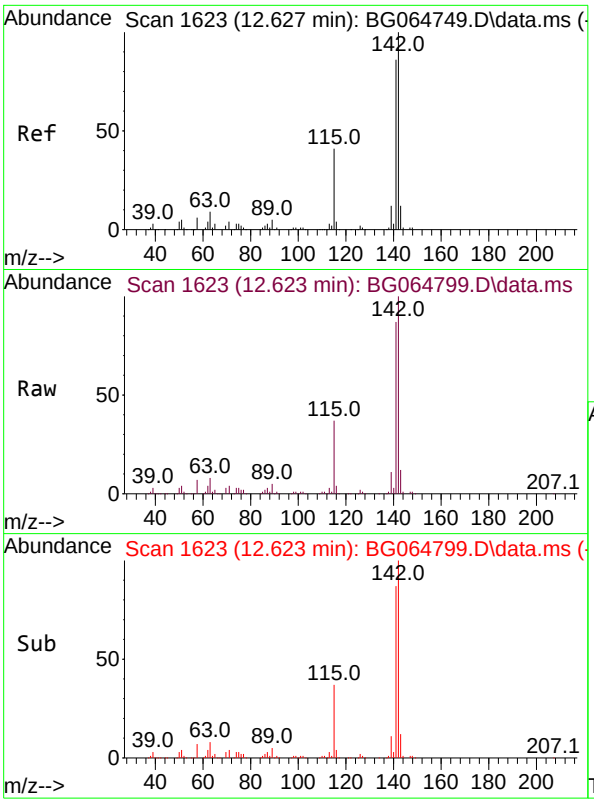


#36
4-Chloro-3-methylphenol
Concen: 41.541 ng
RT: 12.235 min Scan# 1557
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:107 Resp: 151449

Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.7	32.5
142	77.4	60.8	91.2



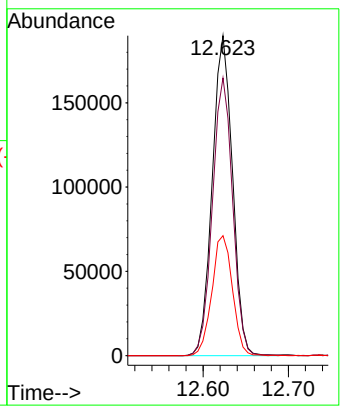


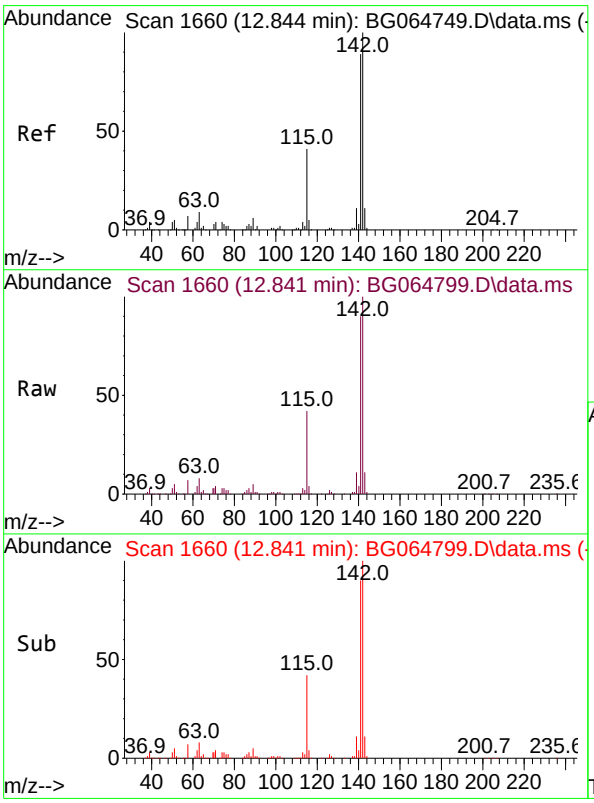
#37
2-Methylnaphthalene
Concen: 39.410 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 312343

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.1	103.7
115	37.5	32.9	49.3

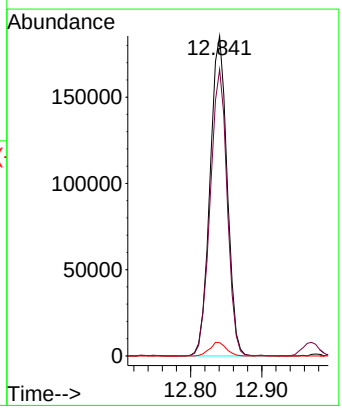


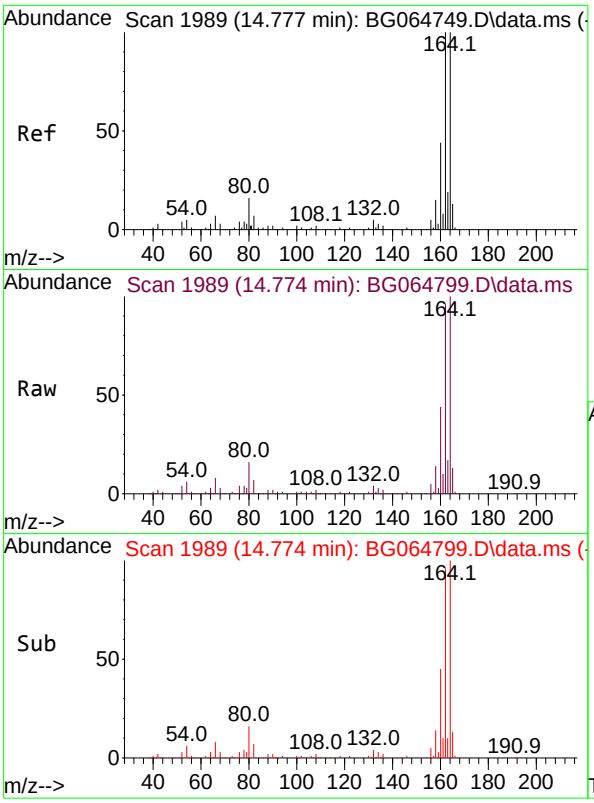


#38
1-Methylnaphthalene
Concen: 39.290 ng
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:142 Resp: 309319

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
116	4.1	3.7	5.5



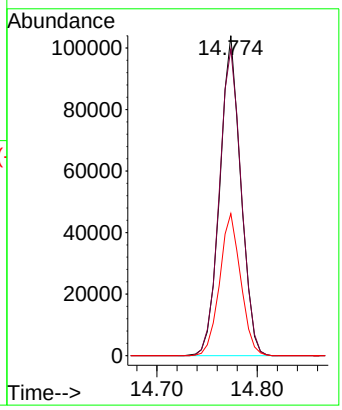


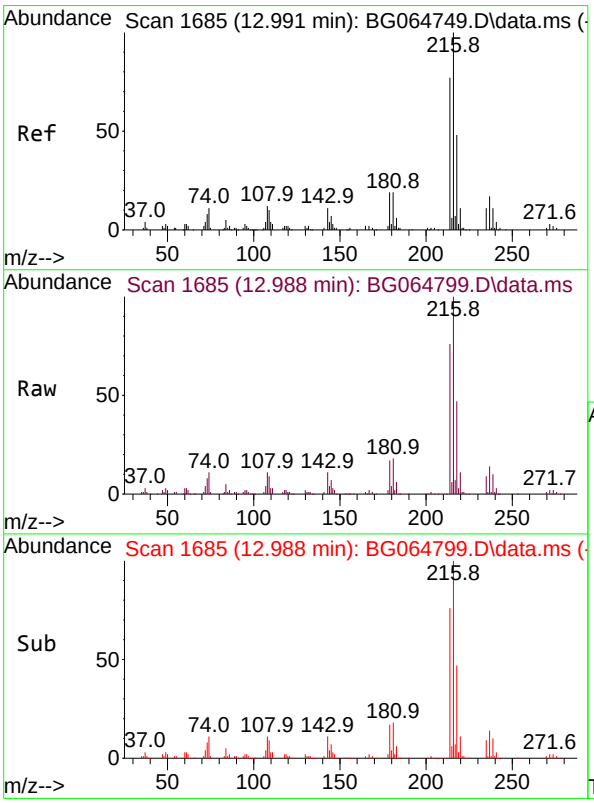
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 151237

Ion	Ratio	Lower	Upper
164	100		
162	95.9	79.8	119.6
160	44.4	34.9	52.3

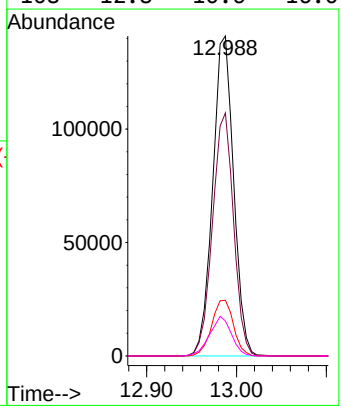


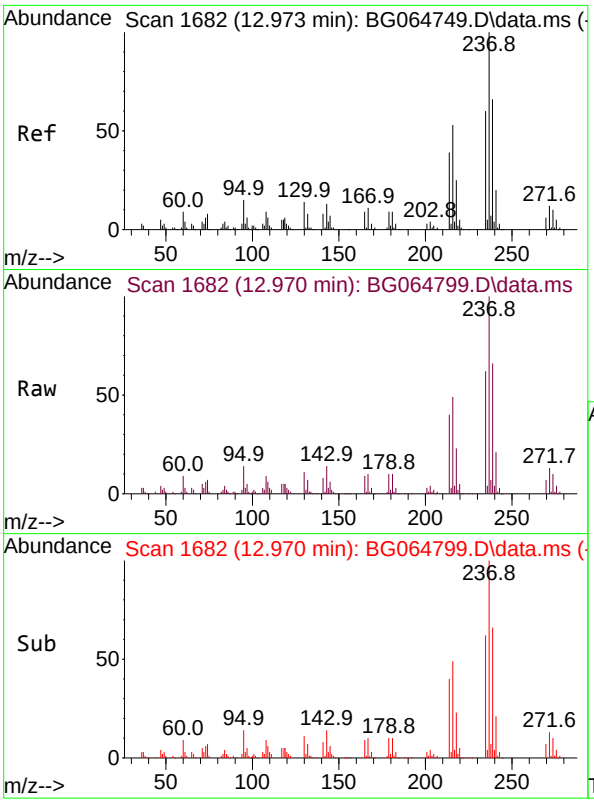


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.840 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:216 Resp: 228603

Ion	Ratio	Lower	Upper
216	100		
214	76.4	60.5	90.7
179	18.1	14.7	22.1
108	12.8	10.6	16.0



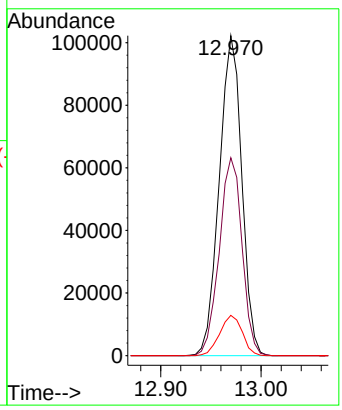


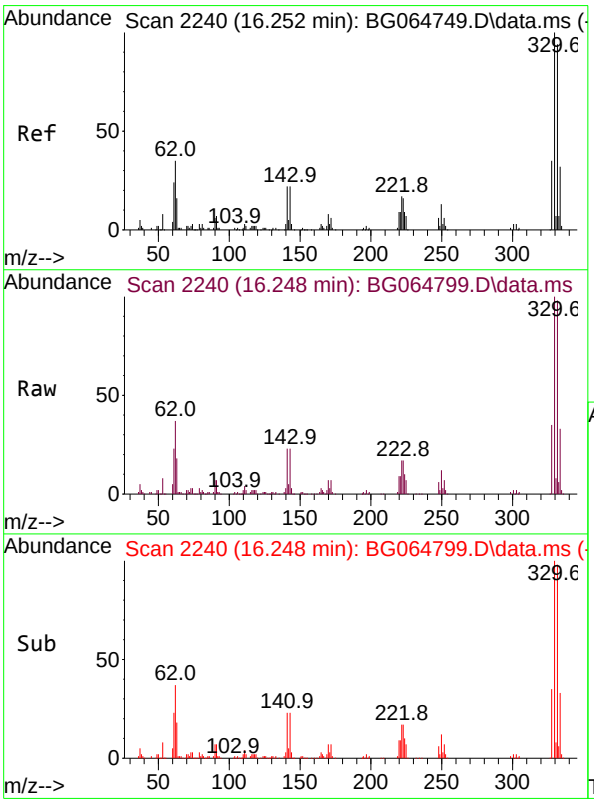
#41
Hexachlorocyclopentadiene
Concen: 37.821 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 159557

Ion	Ratio	Lower	Upper
237	100		
235	61.8	40.2	80.2
272	12.6	0.0	31.9

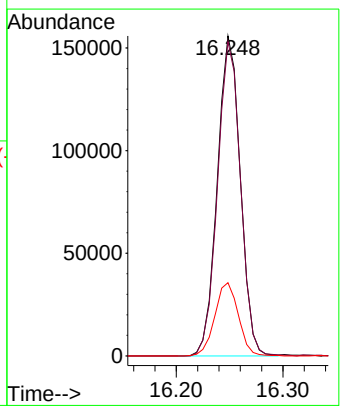


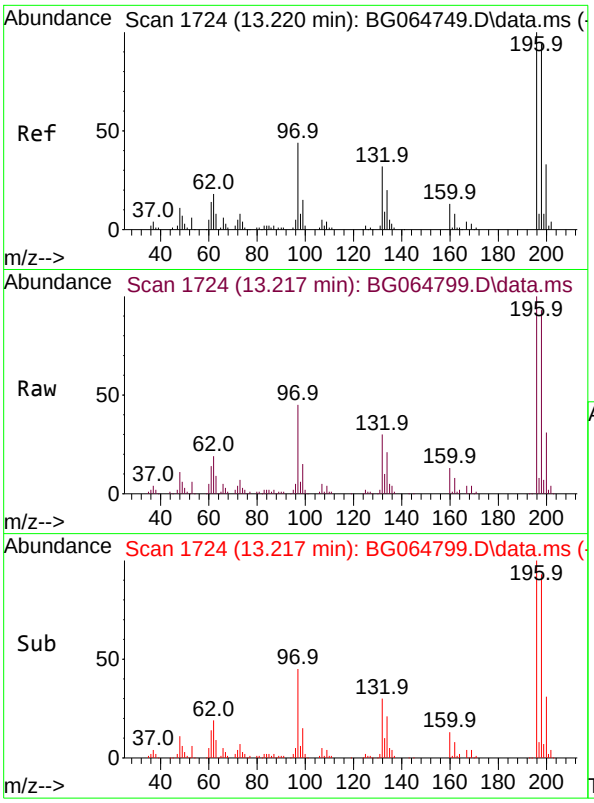


#42
2,4,6-Tribromophenol
Concen: 79.437 ng
RT: 16.248 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:330 Resp: 234306

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	23.4	18.2	27.2



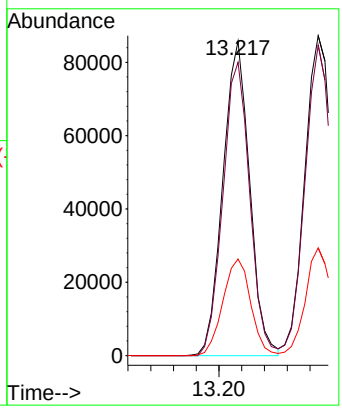


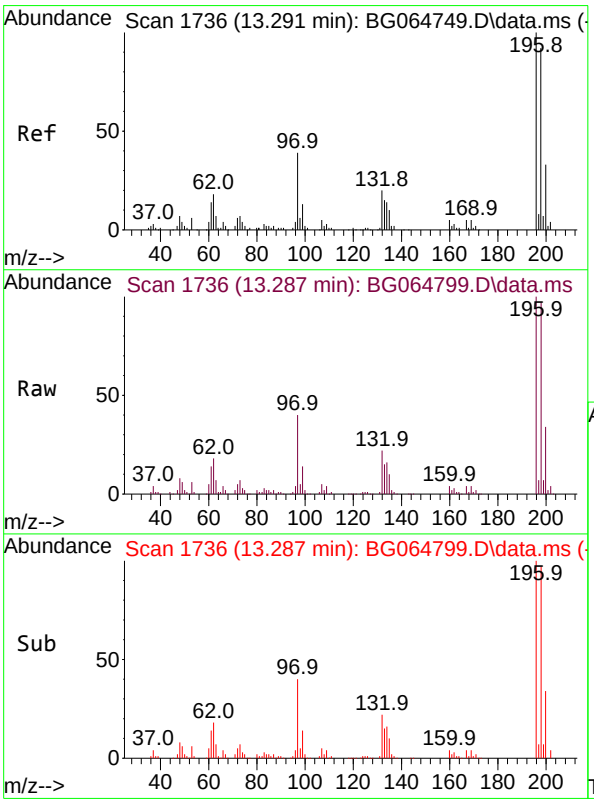
#43
2,4,6-Trichlorophenol
Concen: 40.613 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 140293

Ion	Ratio	Lower	Upper
196	100		
198	93.3	75.3	112.9
200	30.7	26.2	39.2

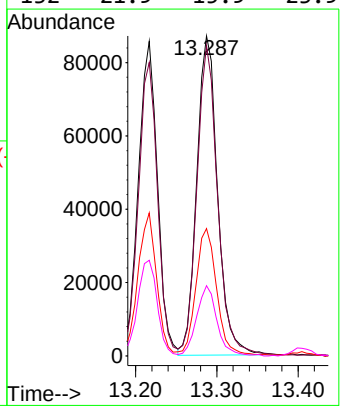


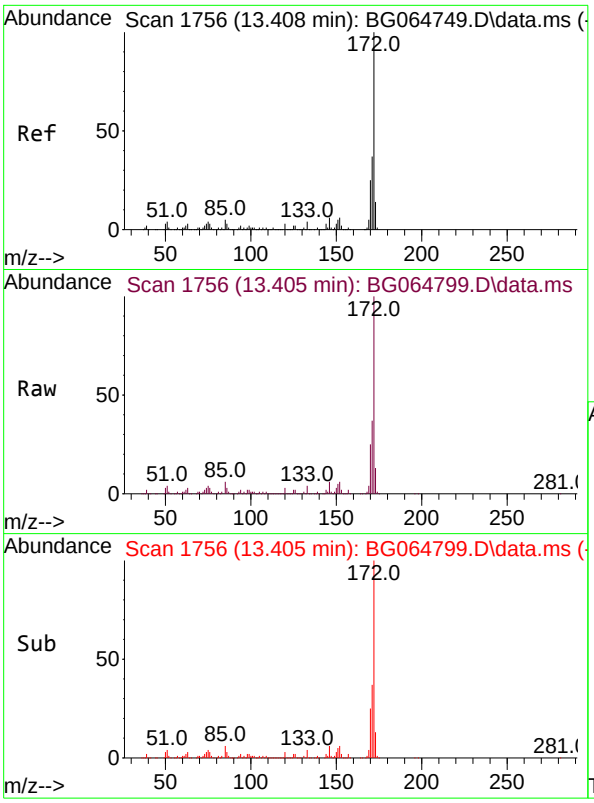


#44
2,4,5-Trichlorophenol
Concen: 40.168 ng
RT: 13.287 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:196 Resp: 155625

Ion	Ratio	Lower	Upper
196	100		
198	97.0	73.2	109.8
97	39.8	31.4	47.0
132	21.9	15.9	23.9



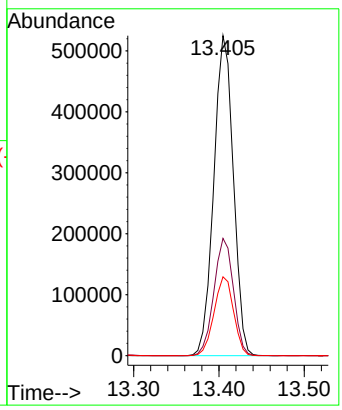


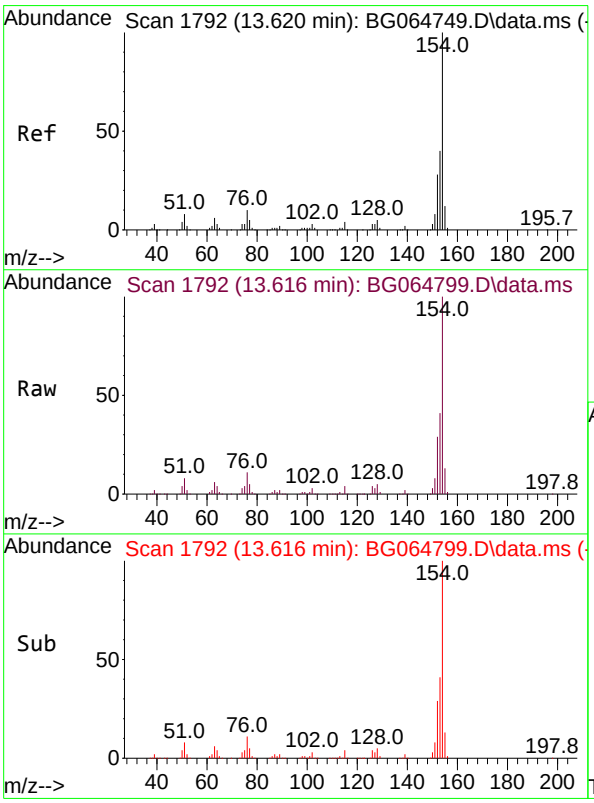
#45
2-Fluorobiphenyl
Concen: 77.118 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 835854

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.7	19.8	29.6

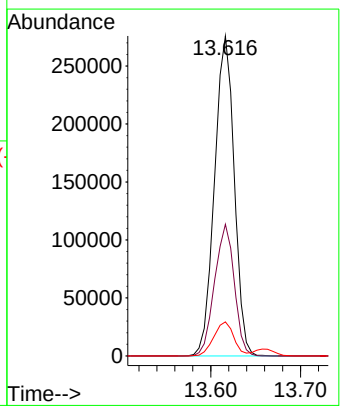


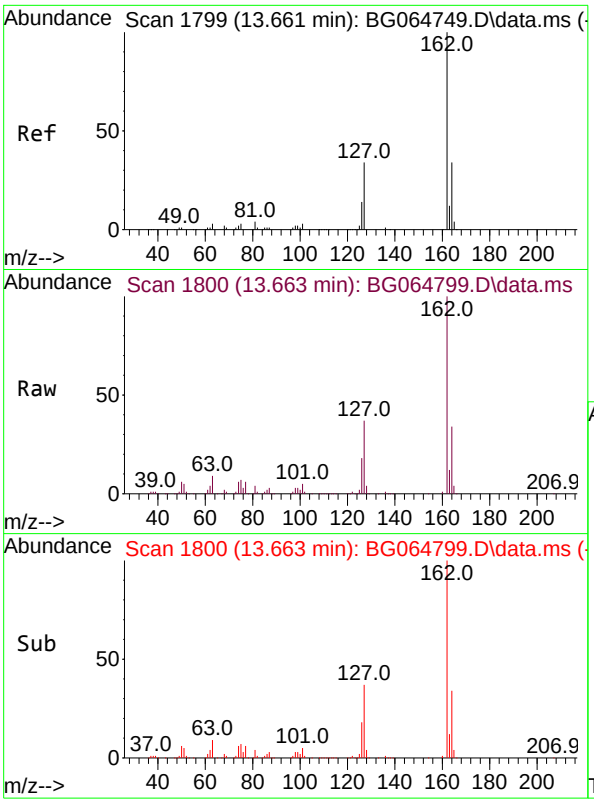


#46
1,1'-Biphenyl
Concen: 38.705 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:154 Resp: 420430

Ion	Ratio	Lower	Upper
154	100		
153	41.1	19.8	59.8
76	10.6	0.0	30.0



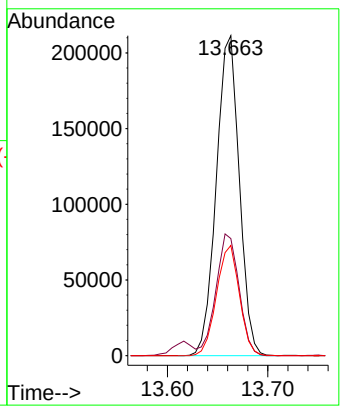


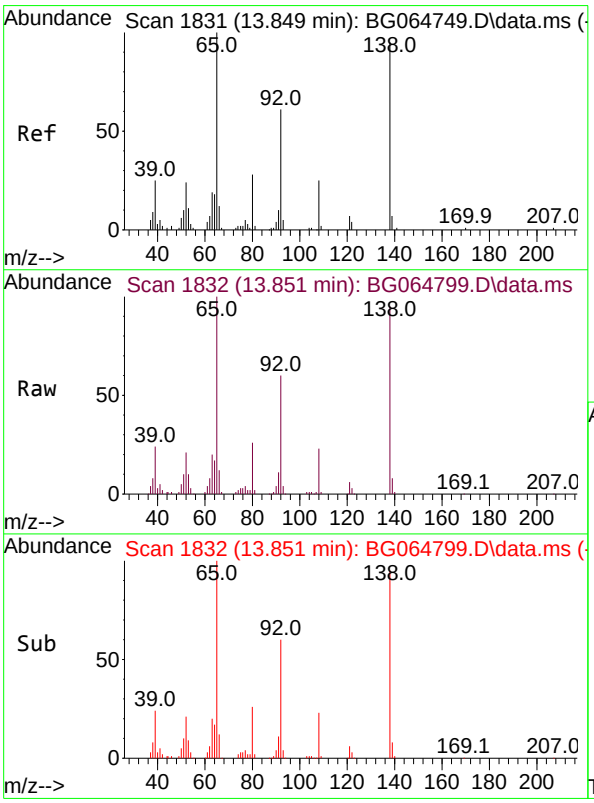
#47
2-Chloronaphthalene
Concen: 39.376 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 336969

Ion	Ratio	Lower	Upper
162	100		
127	36.6	30.3	45.5
164	34.4	26.8	40.2

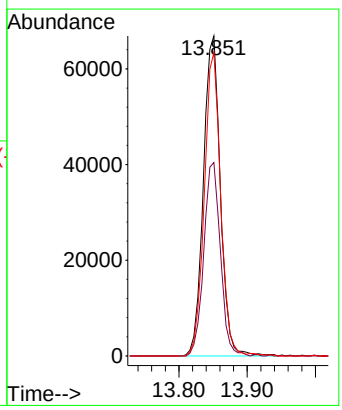


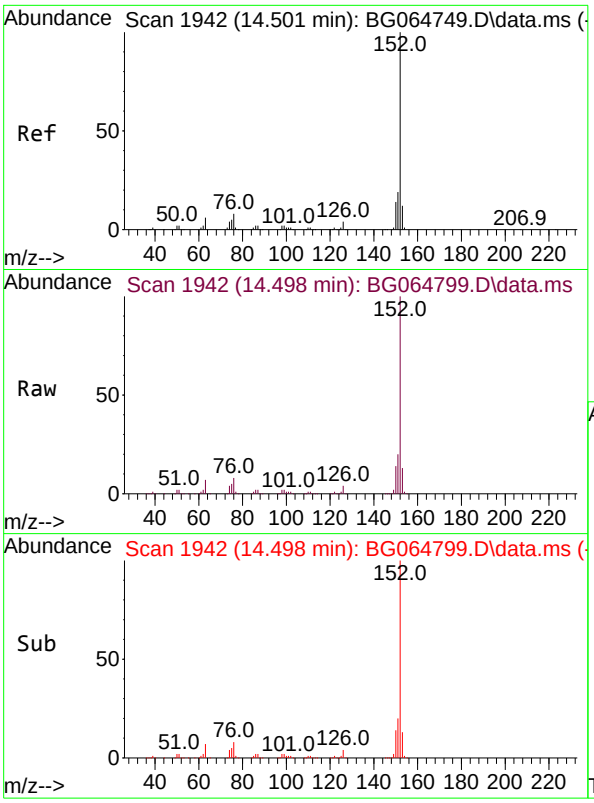


#48
2-Nitroaniline
Concen: 41.911 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion: 65 Resp: 115360

Ion	Ratio	Lower	Upper
65	100		
92	60.4	48.6	73.0
138	94.8	76.4	114.6



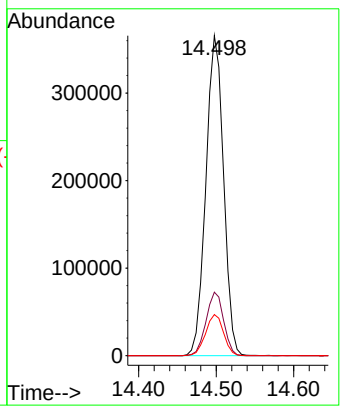


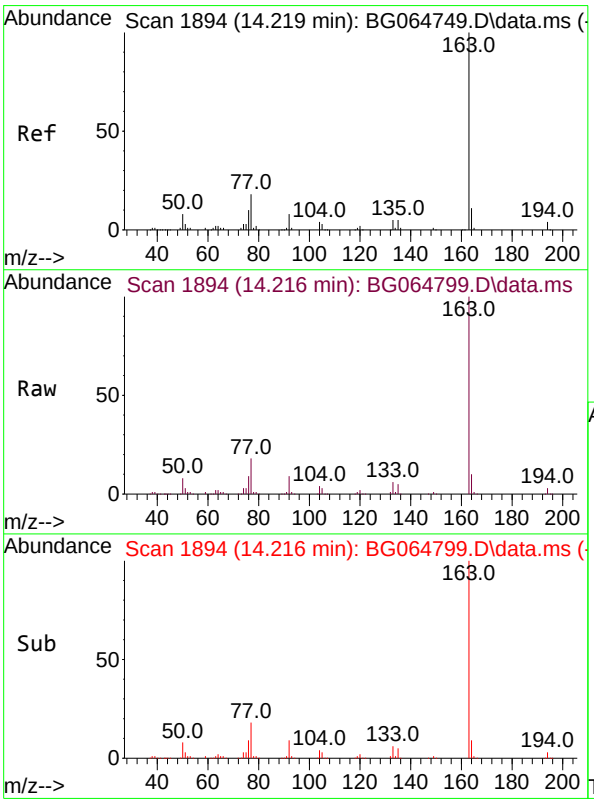
#49
Acenaphthylene
Concen: 39.541 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 578090

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.0	22.4
153	12.8	9.9	14.9

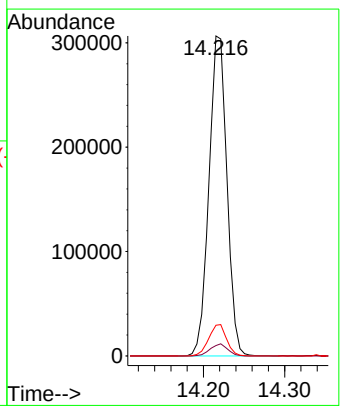


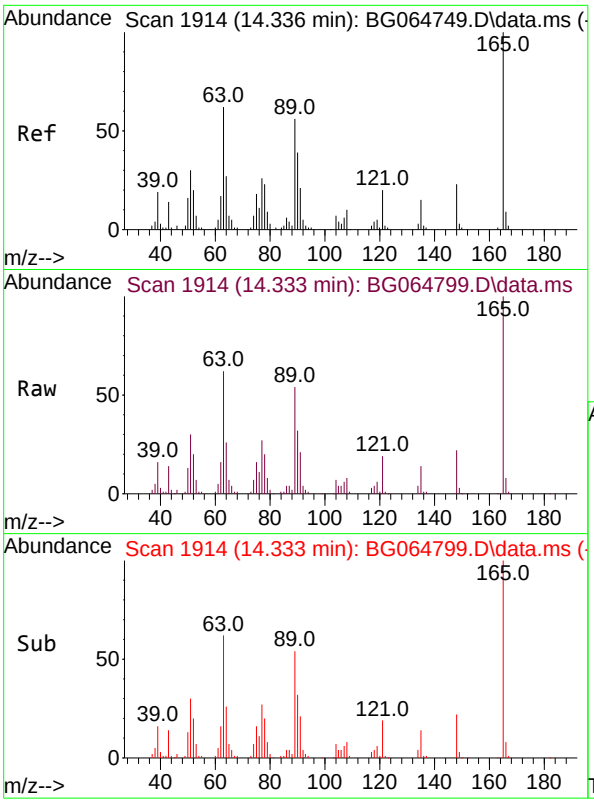


#50
Dimethylphthalate
Concen: 39.472 ng
RT: 14.216 min Scan# 1894
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:163 Resp: 471562

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.1	4.7
164	9.6	8.6	12.8



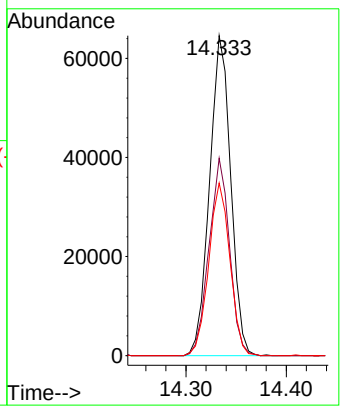


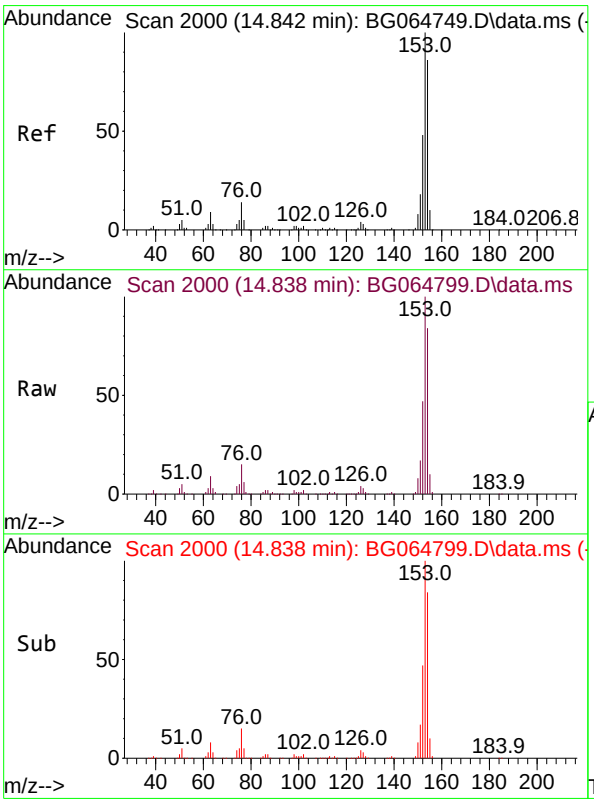
#51
2,6-Dinitrotoluene
Concen: 41.173 ng
RT: 14.333 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 94651

Ion	Ratio	Lower	Upper
165	100		
63	61.7	49.8	74.8
89	53.9	45.0	67.4

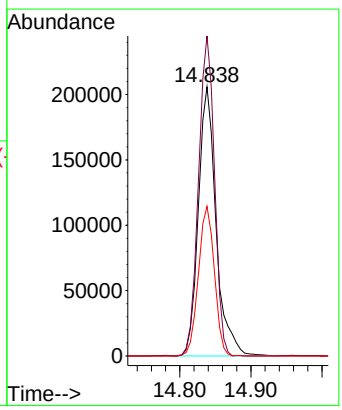


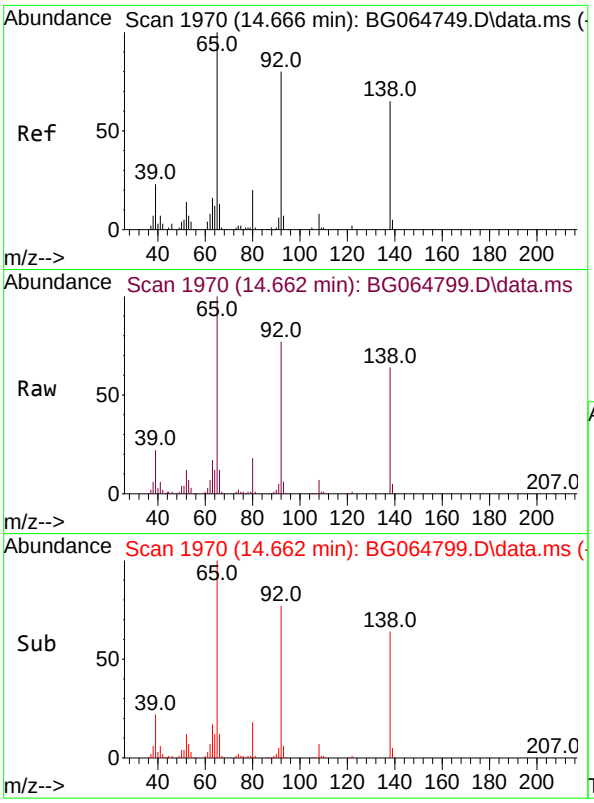


#52
Acenaphthene
Concen: 40.611 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:154 Resp: 355990

Ion	Ratio	Lower	Upper
154	100		
153	118.9	93.0	139.4
152	55.6	44.4	66.6



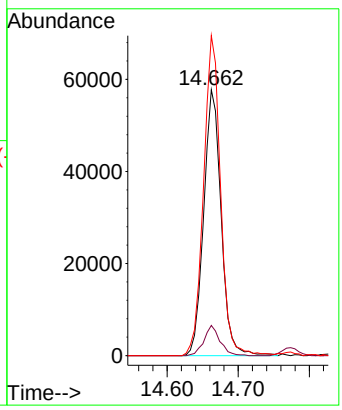


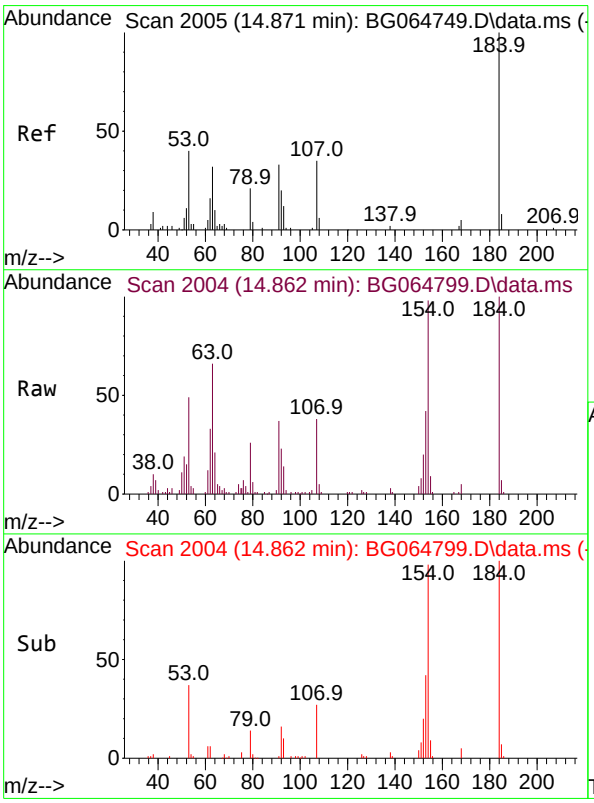
#53
3-Nitroaniline
Concen: 43.322 ng
RT: 14.662 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 98294

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.5	14.3
92	120.4	99.0	148.4

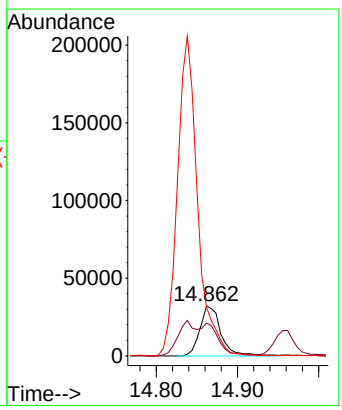


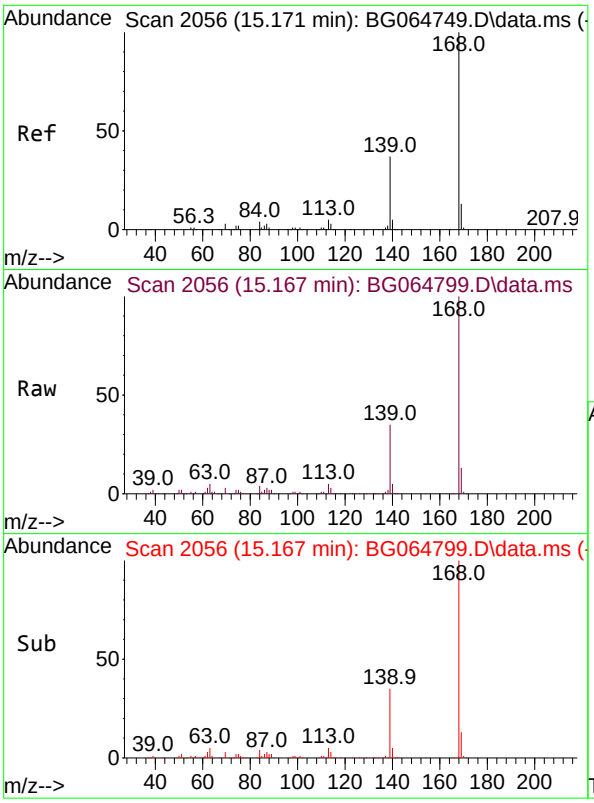


#54
2,4-Dinitrophenol
Concen: 41.231 ng
RT: 14.862 min Scan# 2004
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:184 Resp: 57590

Ion	Ratio	Lower	Upper
184	100		
63	65.5	45.8	68.6
154	97.7	52.6	78.8#



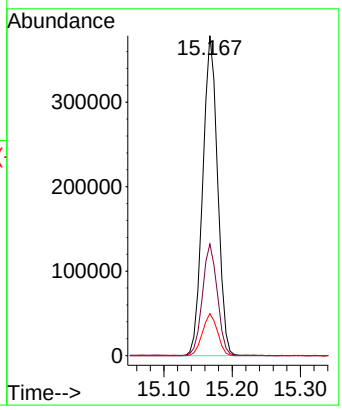


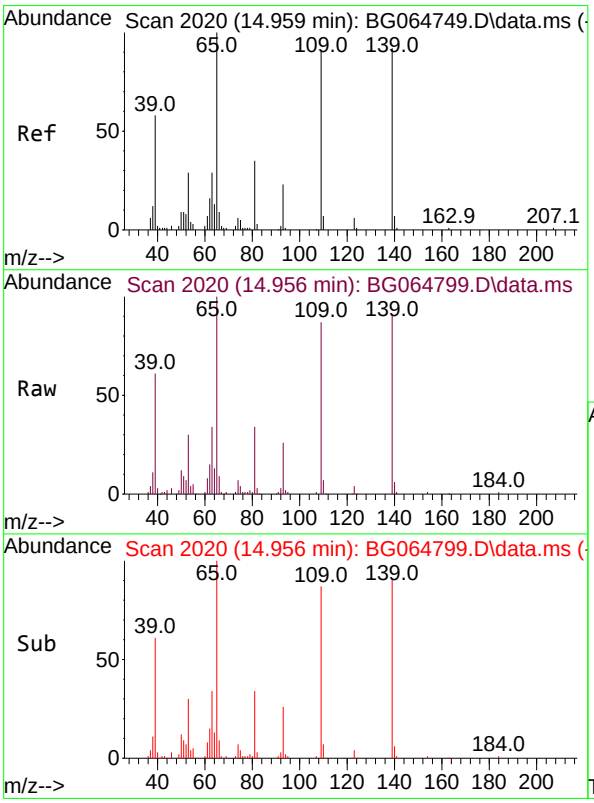
#55
Dibenzofuran
Concen: 39.408 ng
RT: 15.167 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 571101

Ion	Ratio	Lower	Upper
168	100		
139	34.9	29.5	44.3
169	13.1	10.4	15.6

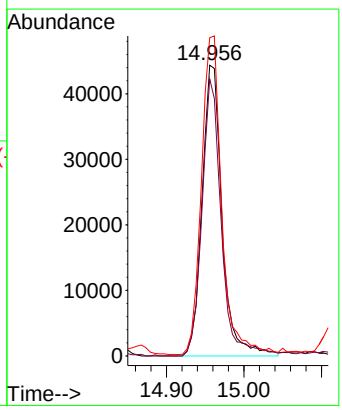


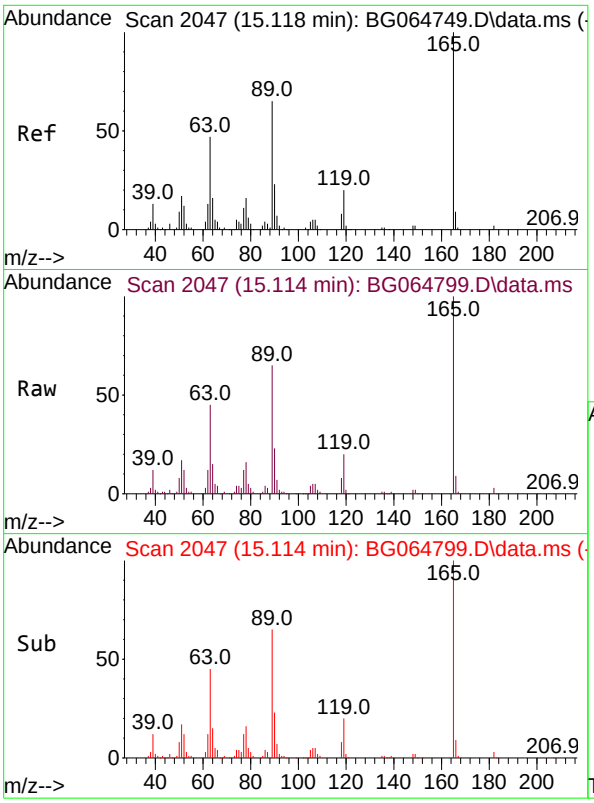


#56
4-Nitrophenol
Concen: 44.204 ng
RT: 14.956 min Scan# 2020
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:139 Resp: 79574

Ion	Ratio	Lower	Upper
139	100		
109	95.3	79.7	119.7
65	109.5	89.9	129.9



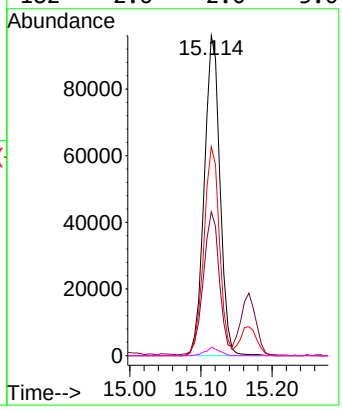


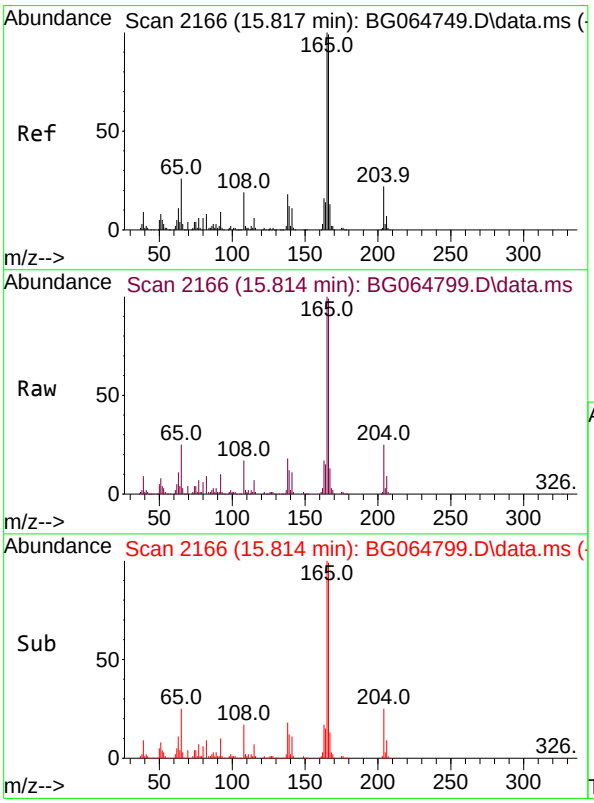
#57
2,4-Dinitrotoluene
Concen: 42.493 ng
RT: 15.114 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 146447

Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.8	56.6
89	65.3	51.6	77.4
182	2.6	2.0	3.0

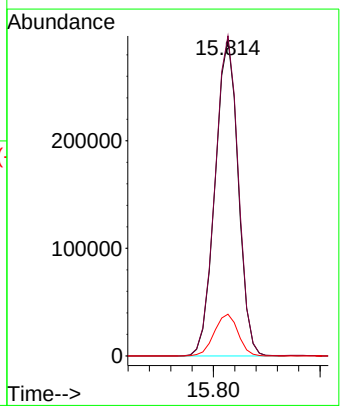


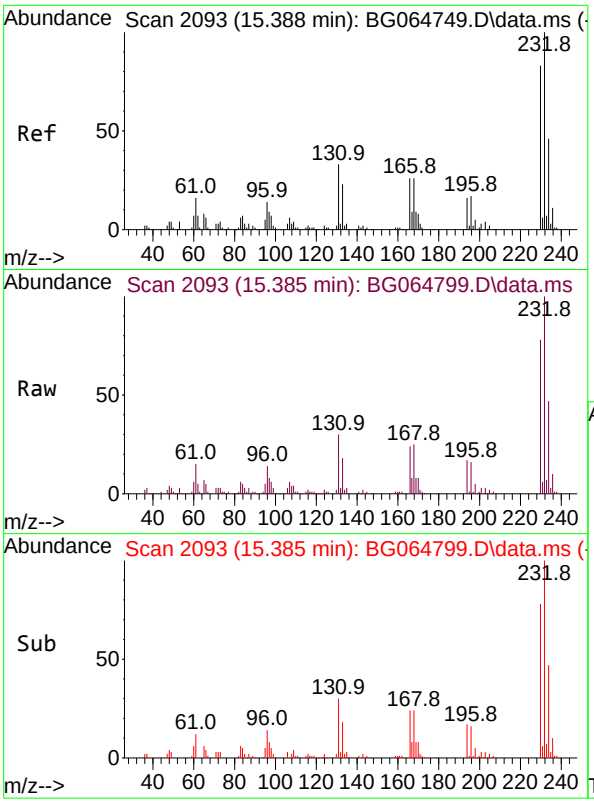


#58
Fluorene
Concen: 38.971 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:166 Resp: 442954

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.5	120.7
167	13.2	10.3	15.5



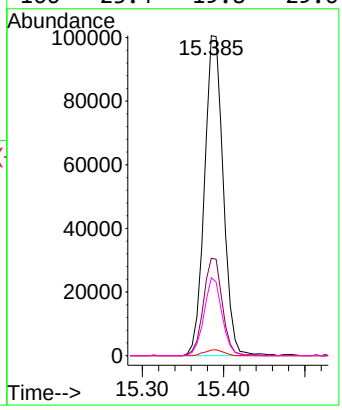


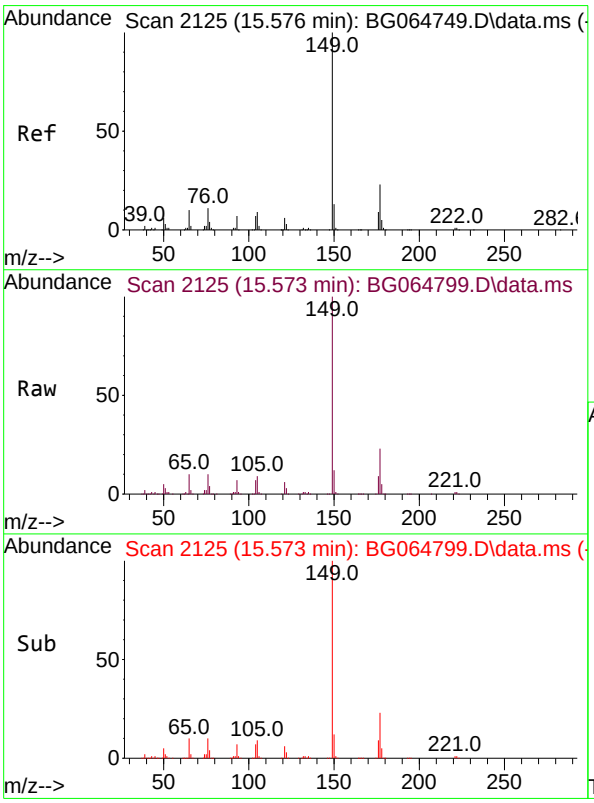
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.191 ng
RT: 15.385 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 161281

Ion	Ratio	Lower	Upper
232	100		
131	30.5	26.0	39.0
130	1.8	1.6	2.4
166	23.4	19.8	29.6

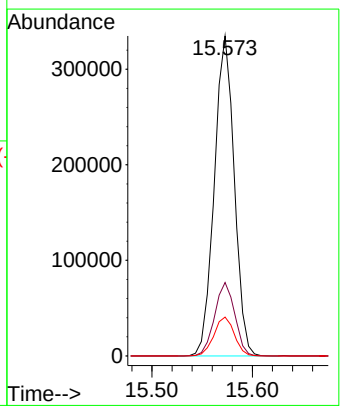


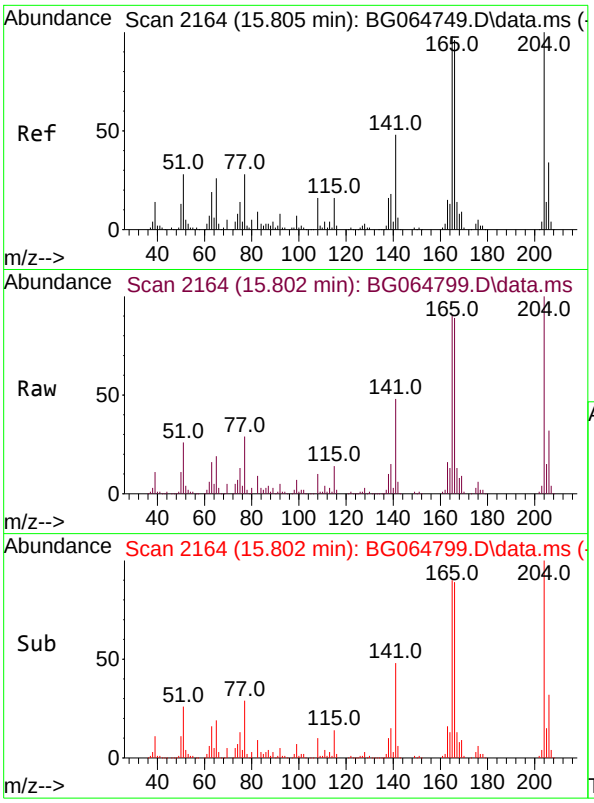


#60
Diethylphthalate
Concen: 40.532 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:149 Resp: 463863

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.4	27.6
150	12.1	10.1	15.1



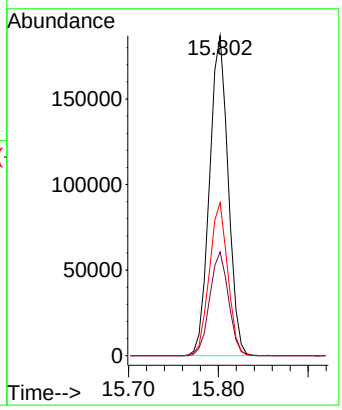


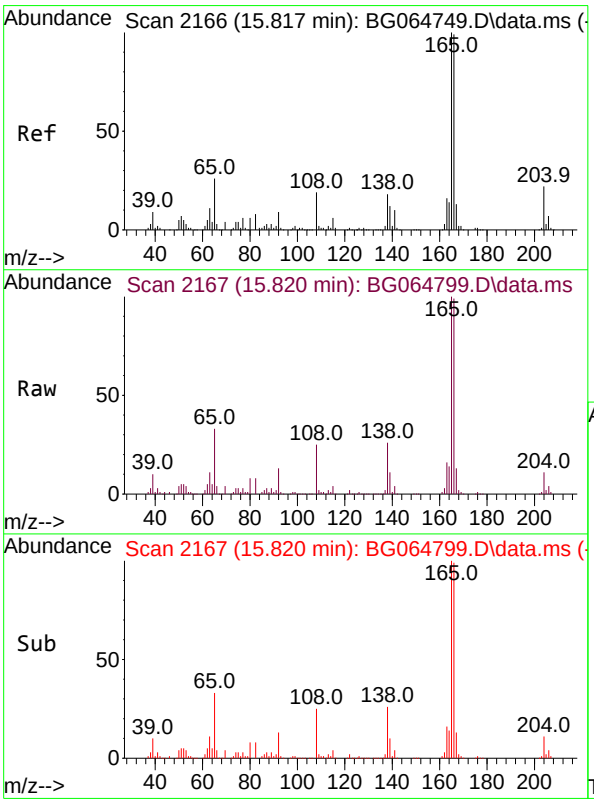
#61
4-Chlorophenyl-phenylether
Concen: 39.560 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 269848

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.9	40.3
141	47.8	38.1	57.1

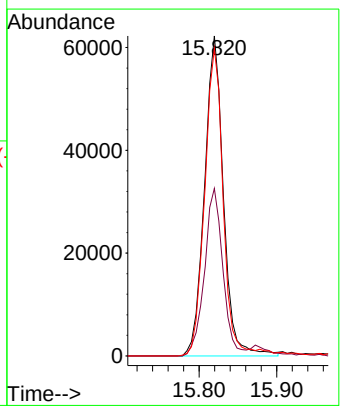


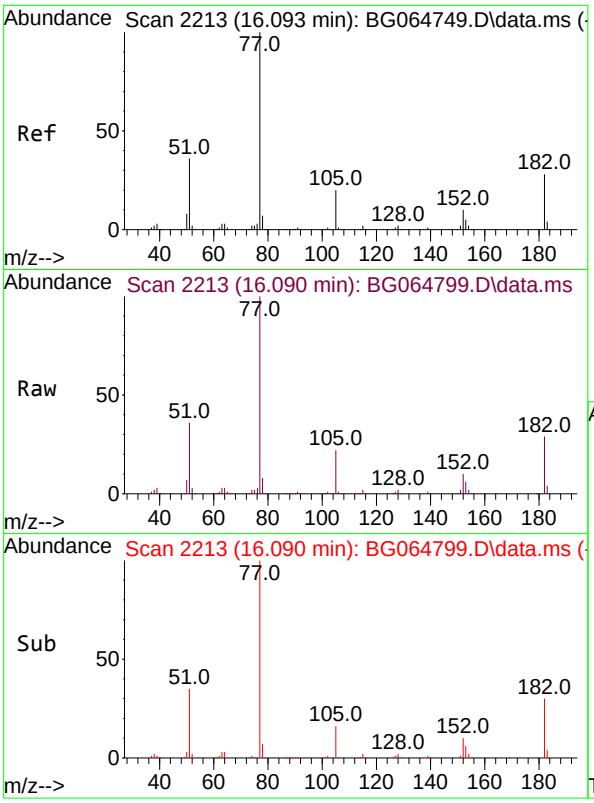


#62
4-Nitroaniline
Concen: 44.822 ng
RT: 15.820 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:138 Resp: 105356

Ion	Ratio	Lower	Upper
138	100		
92	52.3	30.7	70.7
108	96.0	85.7	125.7



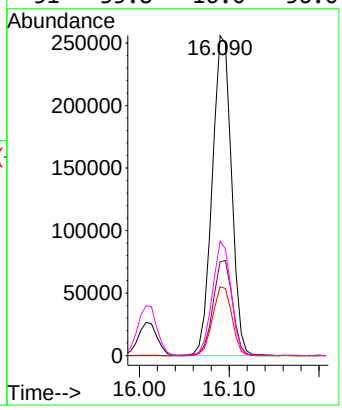


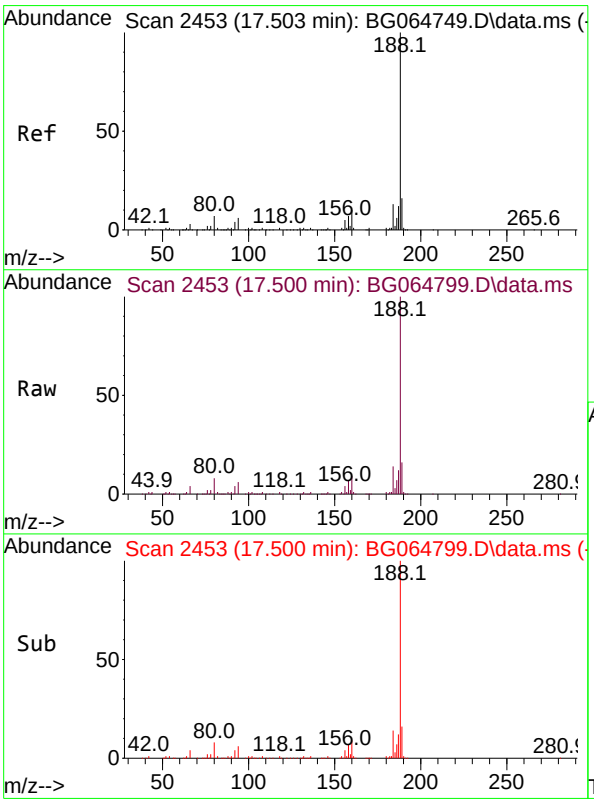
#63
Azobenzene
Concen: 40.098 ng
RT: 16.090 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 381695

Ion	Ratio	Lower	Upper
77	100		
182	29.3	8.1	48.1
105	21.6	0.1	40.1
51	35.8	16.0	56.0

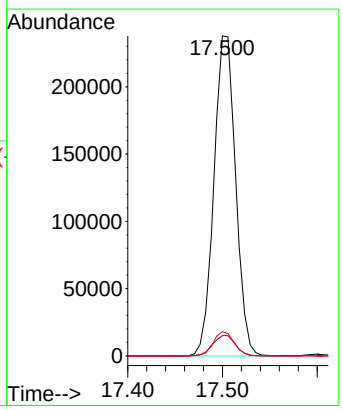


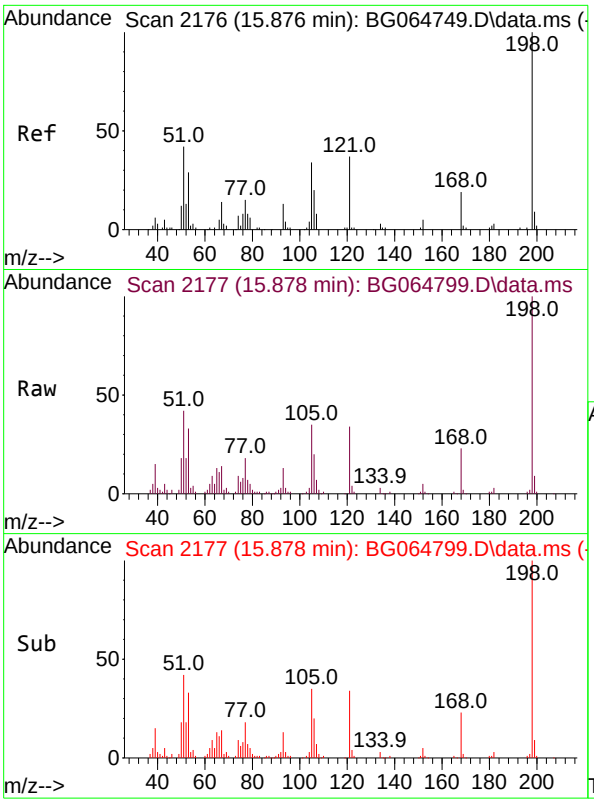


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:188 Resp: 378244

Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.7	7.1
80	7.6	5.4	8.2



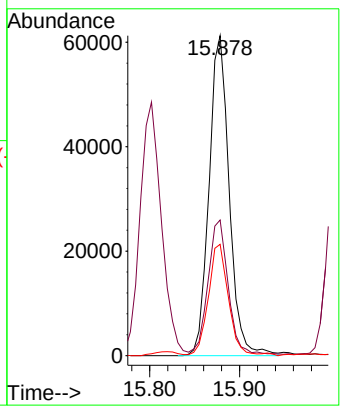


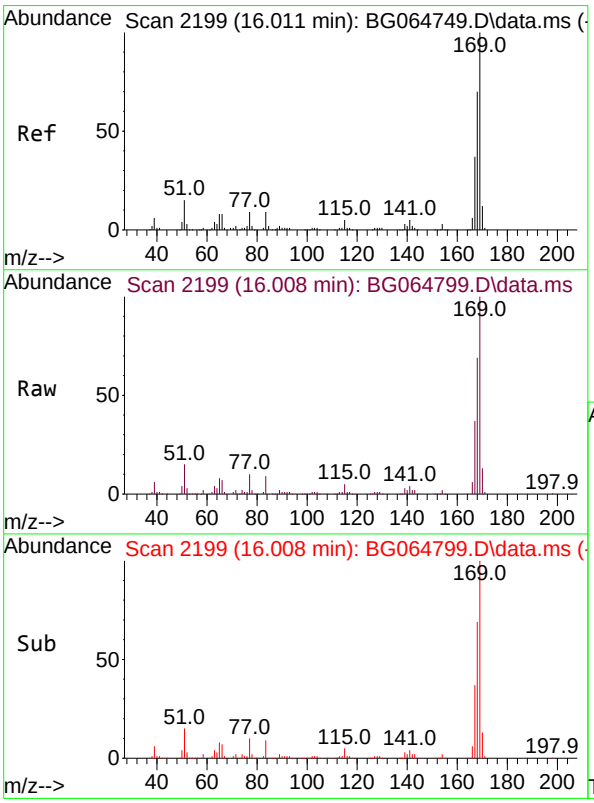
#65
4,6-Dinitro-2-methylphenol
Concen: 45.644 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 95856

Ion	Ratio	Lower	Upper
198	100		
51	42.4	25.2	65.2
105	34.8	14.2	54.2

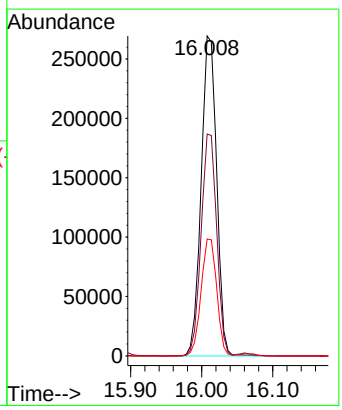


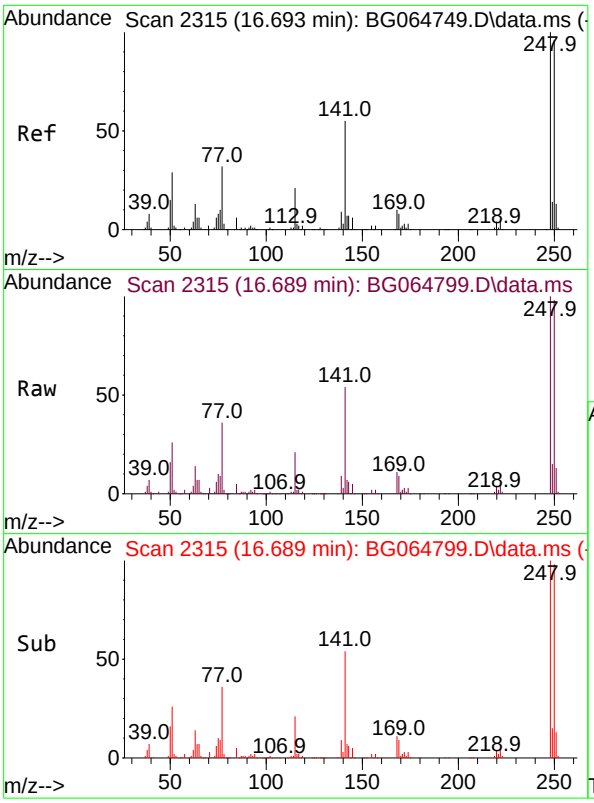


#66
n-Nitrosodiphenylamine
Concen: 40.965 ng
RT: 16.008 min Scan# 2199
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:169 Resp: 405863

Ion	Ratio	Lower	Upper
169	100		
168	69.3	55.9	83.9
167	36.5	29.8	44.6



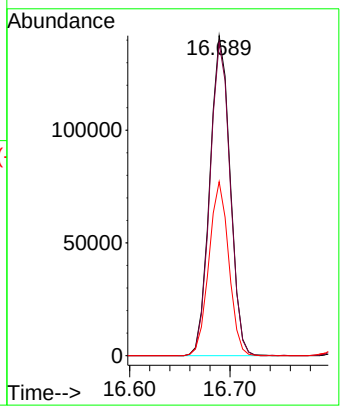


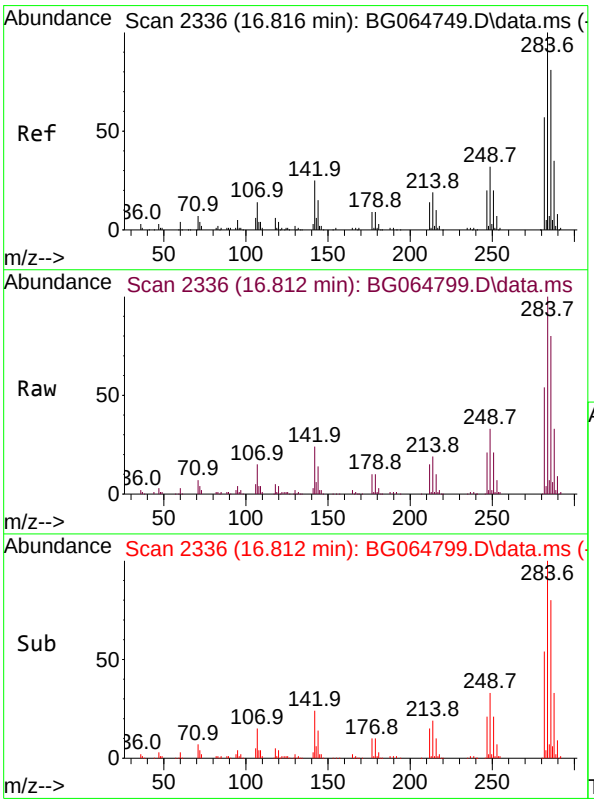
#67
4-Bromophenyl-phenylether
Concen: 40.163 ng
RT: 16.689 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 199498

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.0	115.6
141	54.3	43.7	65.5

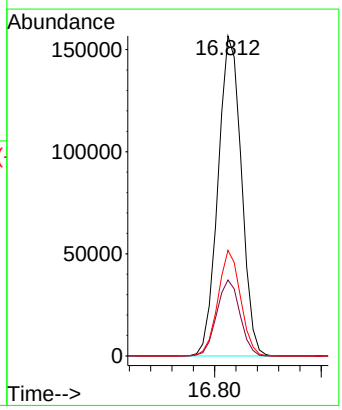


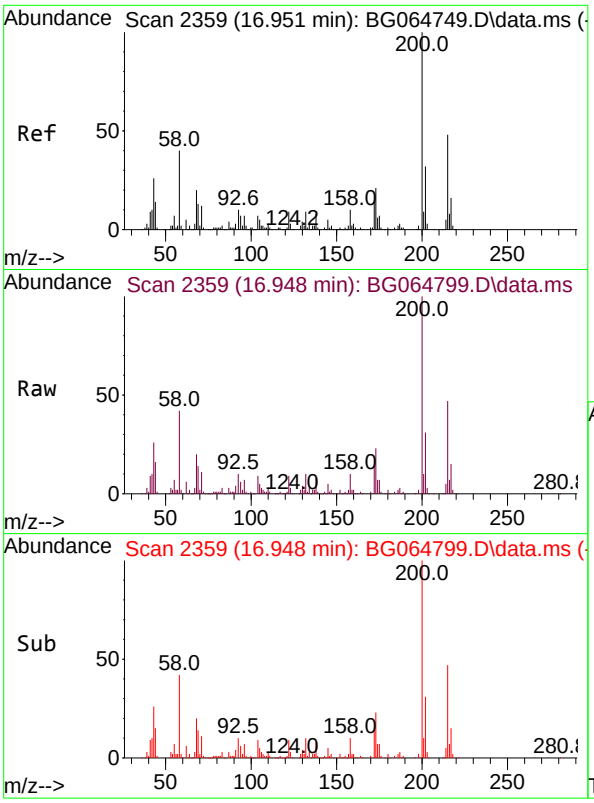


#68
Hexachlorobenzene
Concen: 39.648 ng
RT: 16.812 min Scan# 2336
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:284 Resp: 238603

Ion	Ratio	Lower	Upper
284	100		
142	23.7	19.7	29.5
249	35.3	28.1	42.1



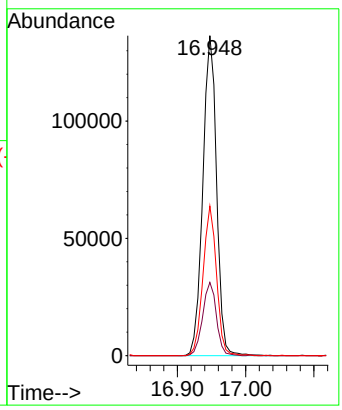


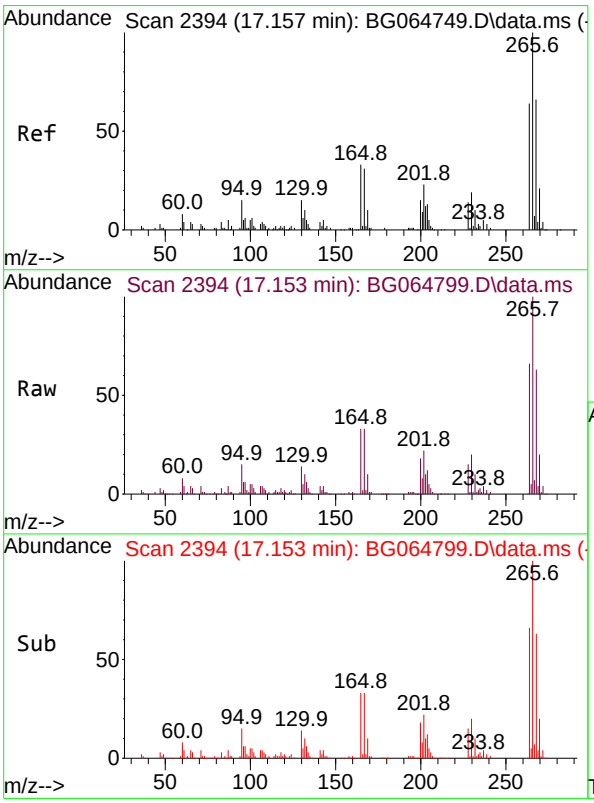
#69
Atrazine
Concen: 40.007 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 191104

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	46.7	27.5	67.5

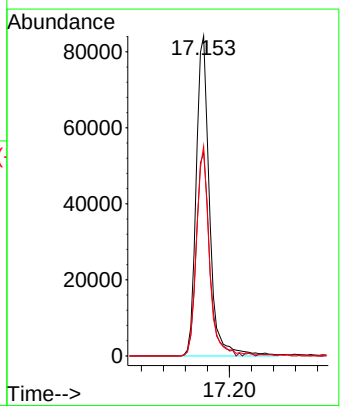


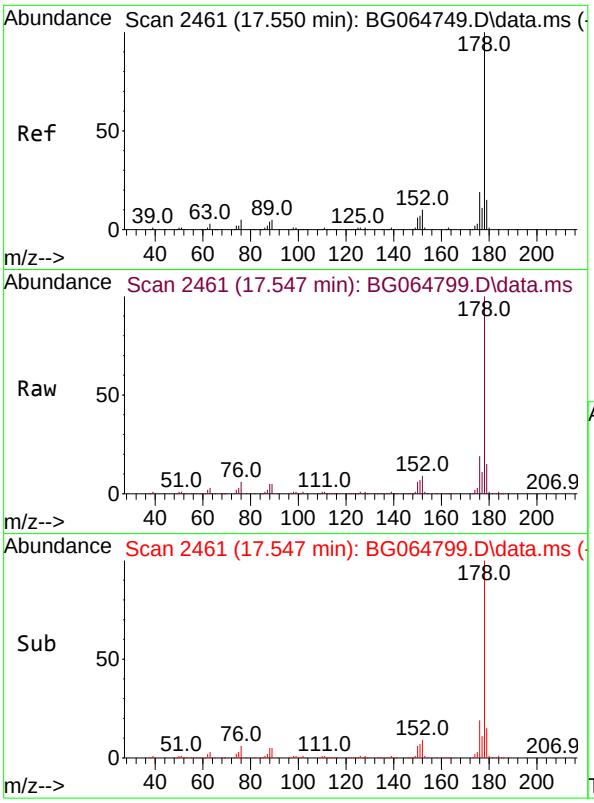


#70
Pentachlorophenol
Concen: 42.710 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:266 Resp: 141056

Ion	Ratio	Lower	Upper
266	100		
268	63.5	56.1	84.1
264	65.6	51.2	76.8



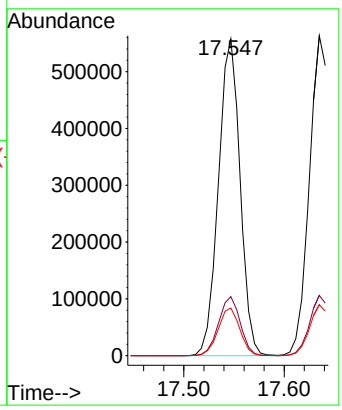


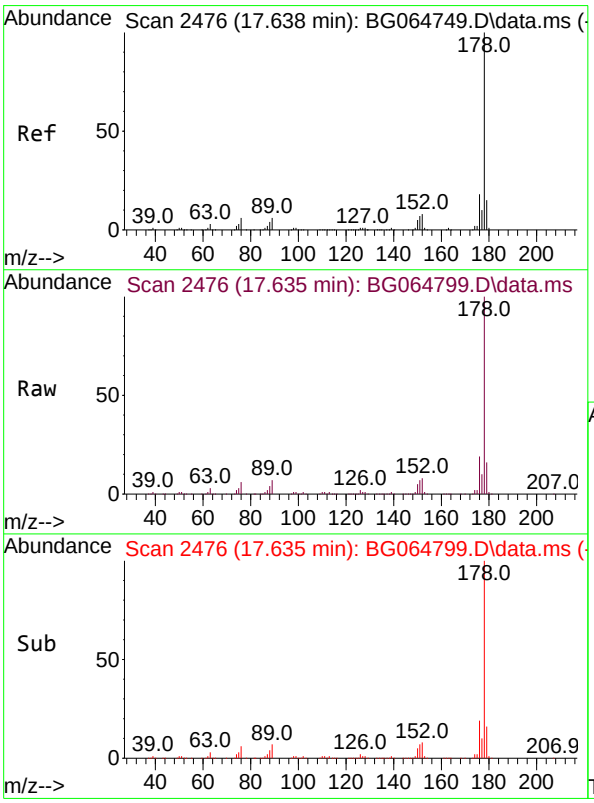
#71
Phenanthrene
Concen: 40.417 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 836435

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.0	12.2	18.4

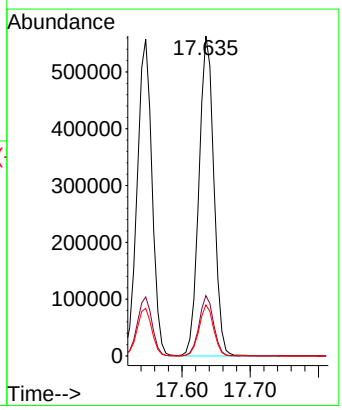


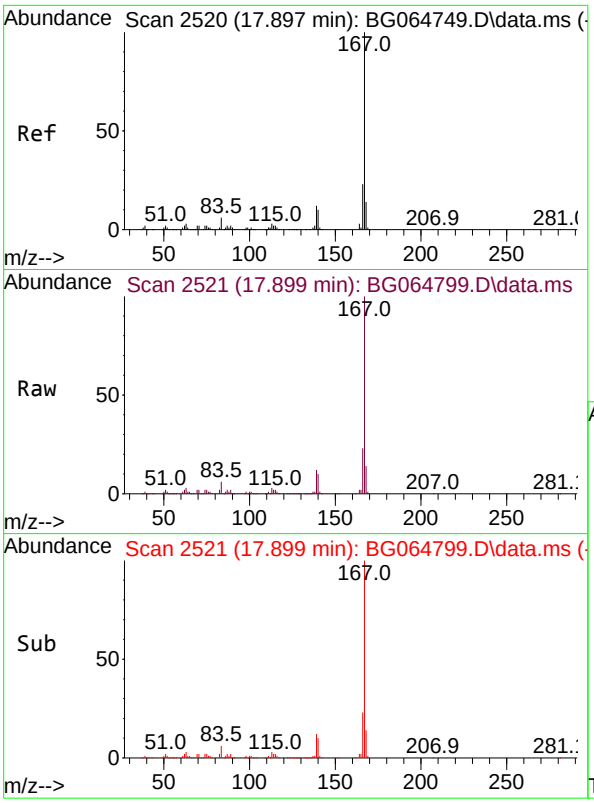


#72
Anthracene
Concen: 40.530 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:178 Resp: 855270

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	15.9	12.2	18.4



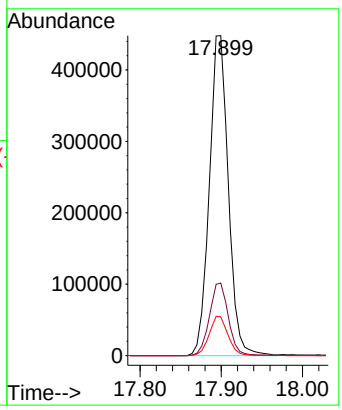


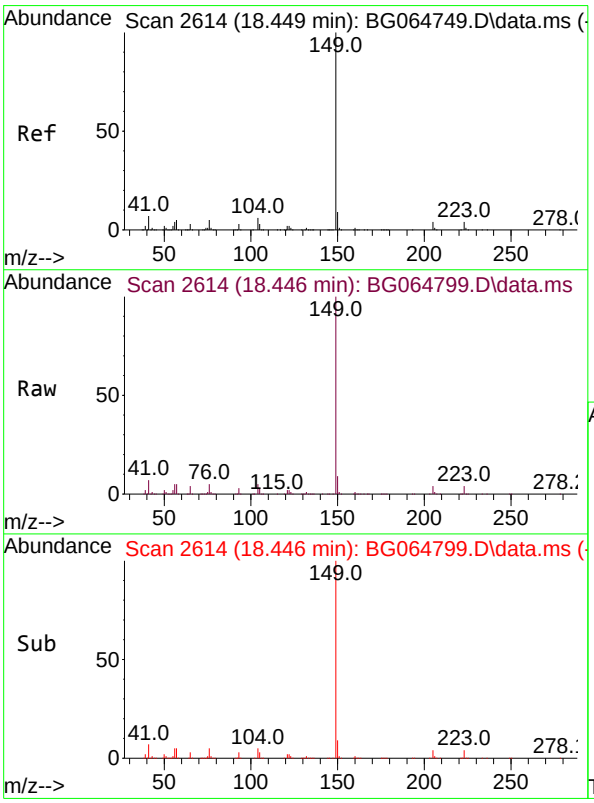
#73
Carbazole
Concen: 40.235 ng
RT: 17.899 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 729900

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.0	27.0
139	12.1	9.7	14.5

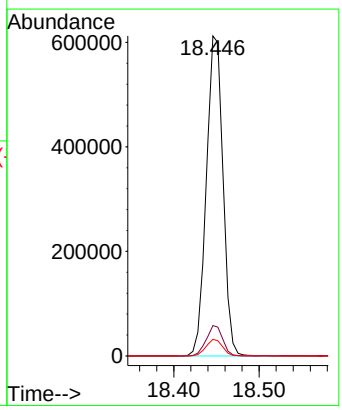


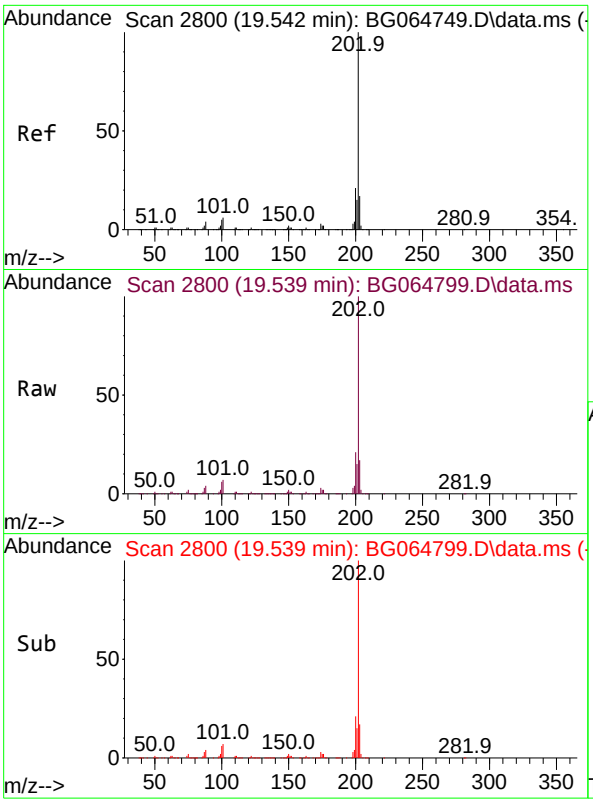


#74
Di-n-butylphthalate
Concen: 40.989 ng
RT: 18.446 min Scan# 2614
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:149 Resp: 829570

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.2	4.4	6.6



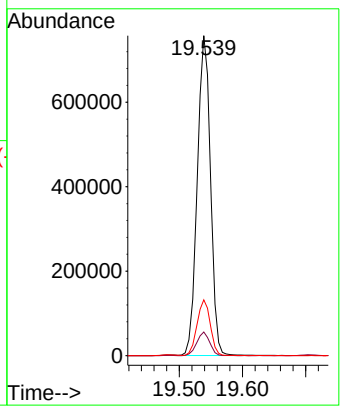


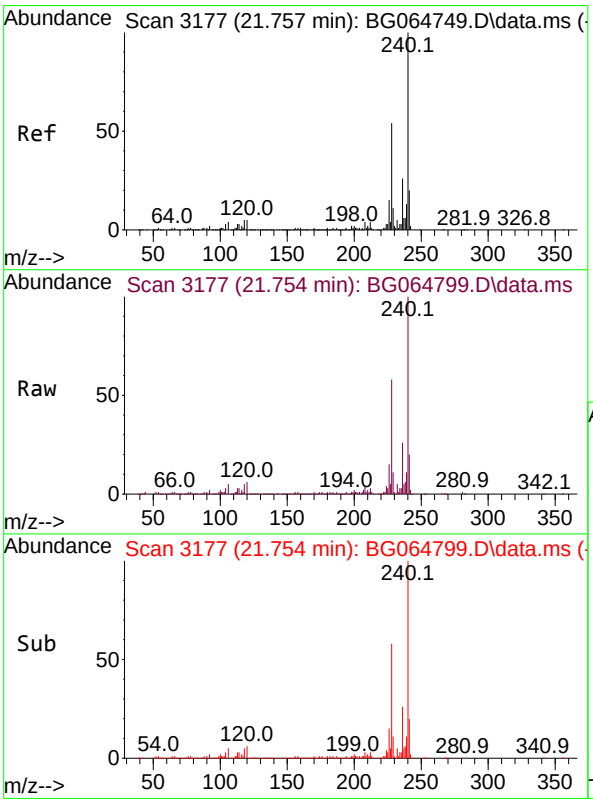
#75
Fluoranthene
Concen: 38.785 ng
RT: 19.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1097600

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	26.4
203	17.4	0.0	37.5

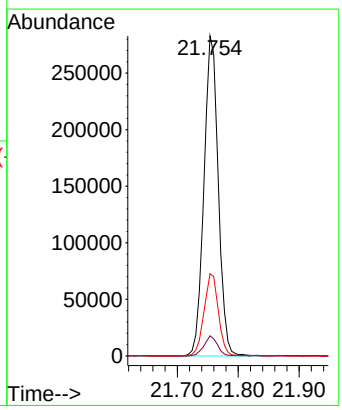


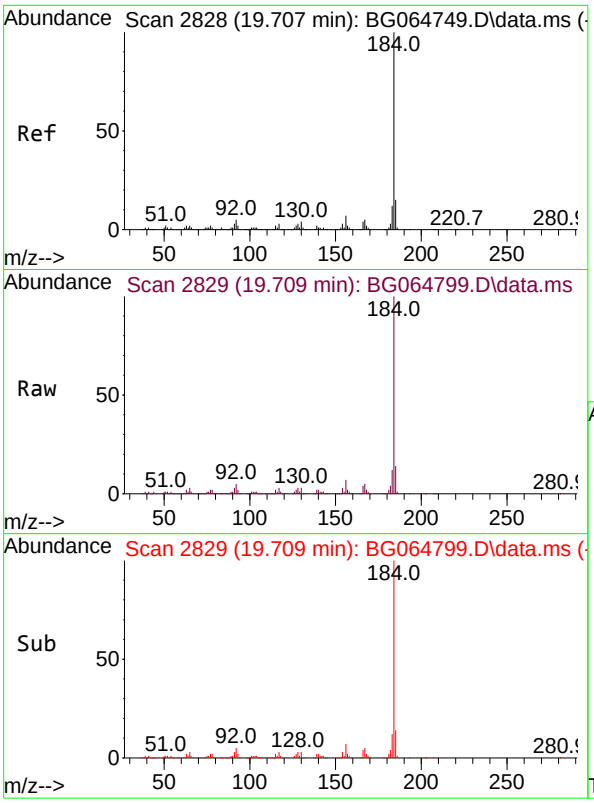


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:240 Resp: 462465

Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.2	6.4
236	25.7	20.8	31.2



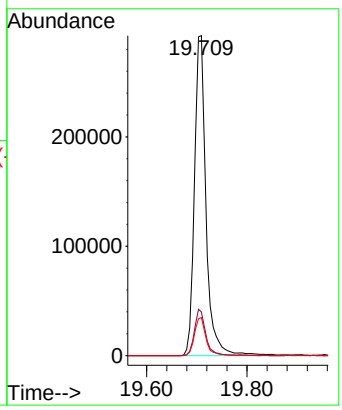


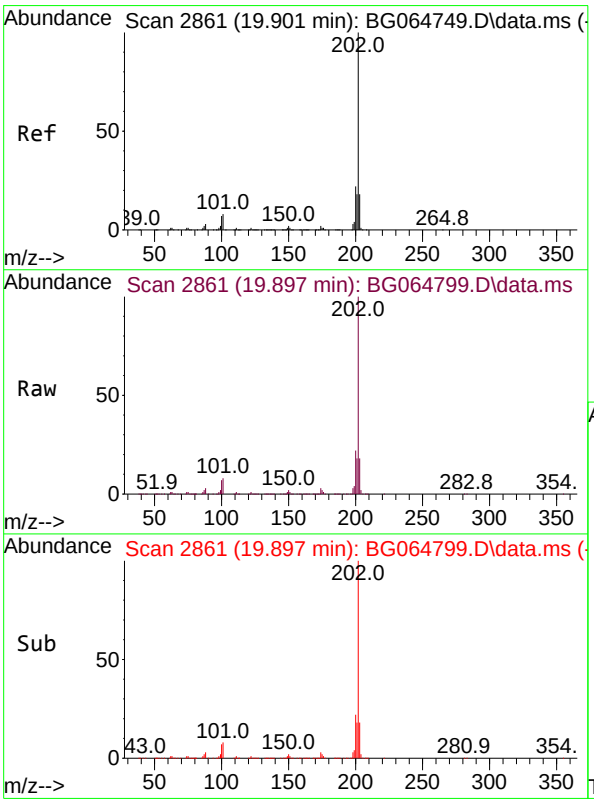
#77
Benzidine
Concen: 33.884 ng
RT: 19.709 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 469297

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.8	17.6
183	11.9	9.8	14.6

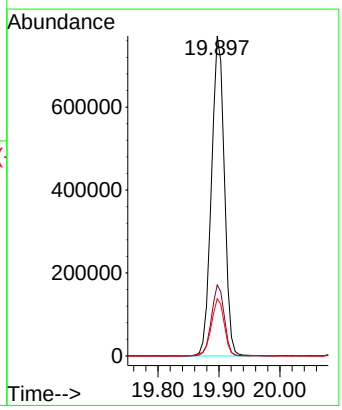


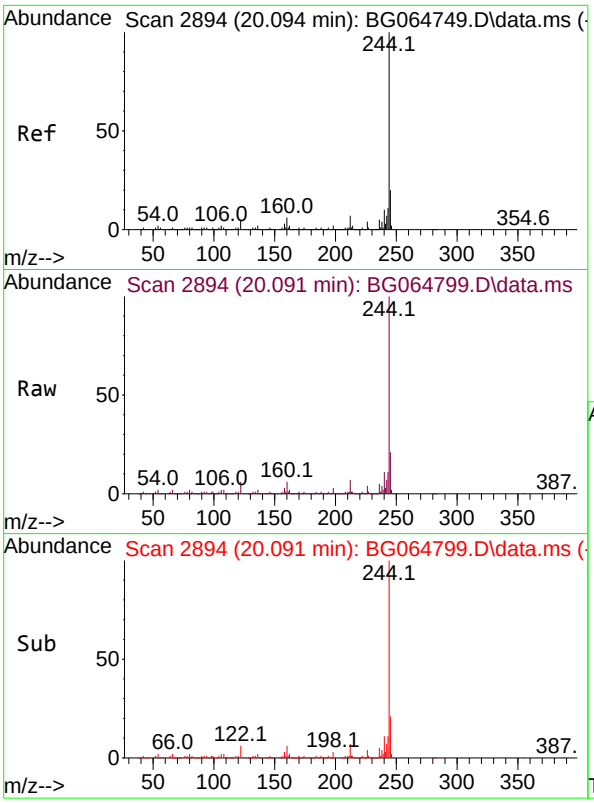


#78
Pyrene
Concen: 43.830 ng
RT: 19.897 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:202 Resp: 1136034

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.9	26.9
203	17.9	14.0	21.0



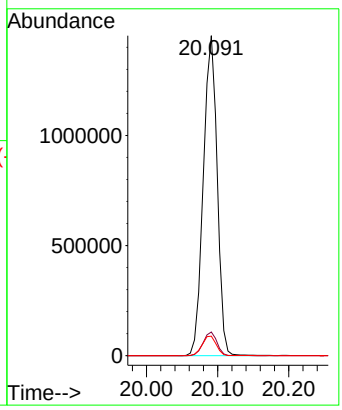


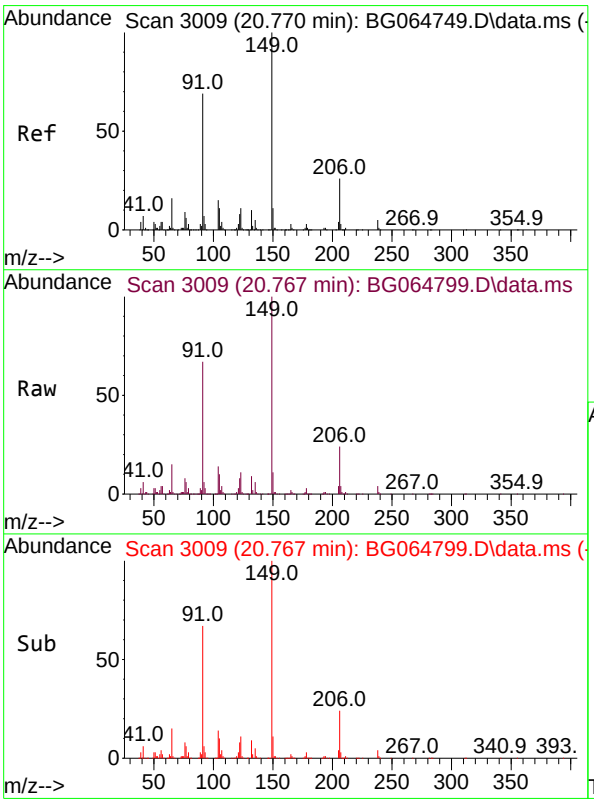
#79
Terphenyl-d14
Concen: 83.233 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1956806

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	6.1	4.3	6.5

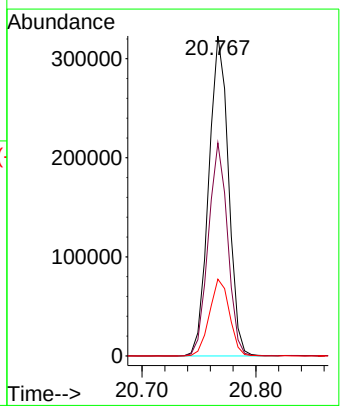


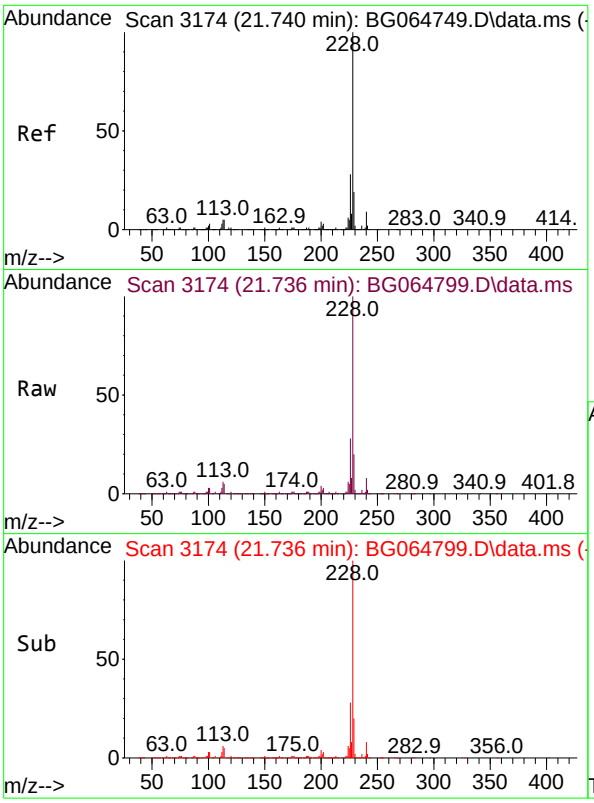


#80
Butylbenzylphthalate
Concen: 42.685 ng
RT: 20.767 min Scan# 3009
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:149 Resp: 389152

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.9	82.3
206	24.0	21.2	31.8



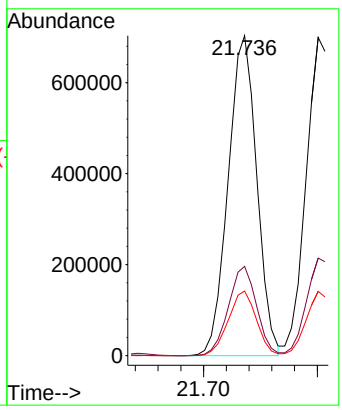


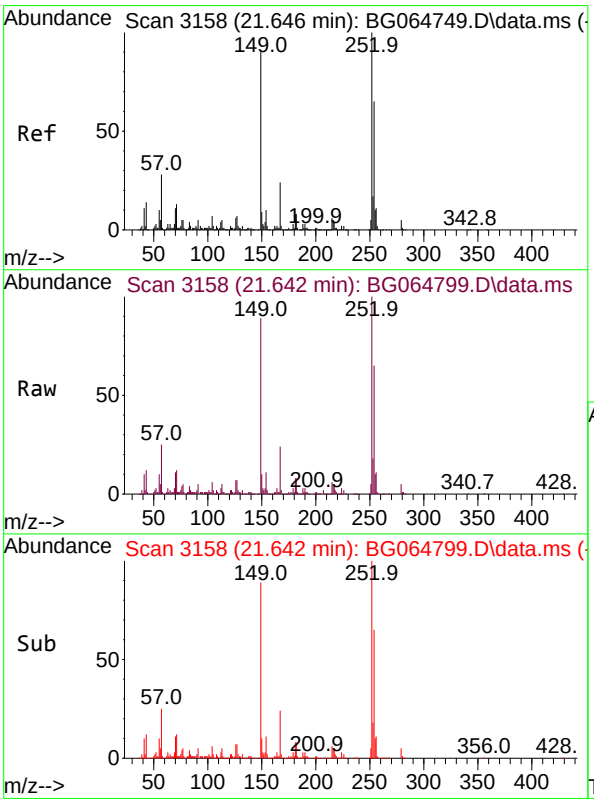
#81
Benzo(a)anthracene
Concen: 39.099 ng
RT: 21.736 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1229496

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.2	15.5	23.3

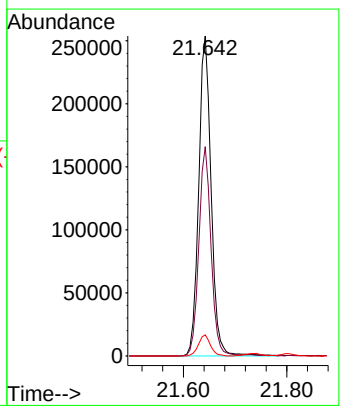


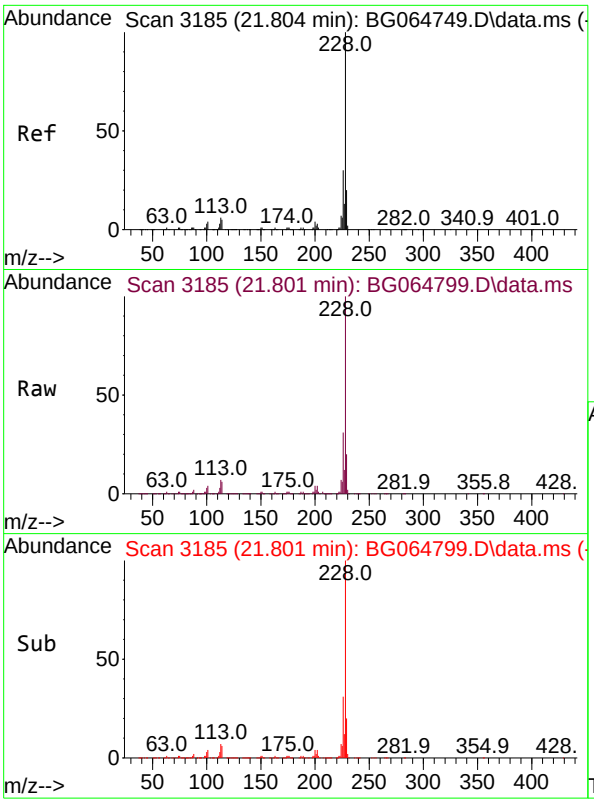


#82
3,3'-Dichlorobenzidine
Concen: 36.440 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:252 Resp: 421764

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.8	77.8
126	6.6	4.7	7.1



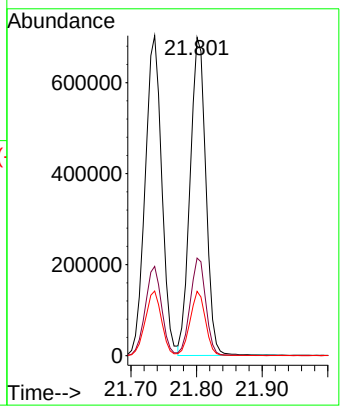


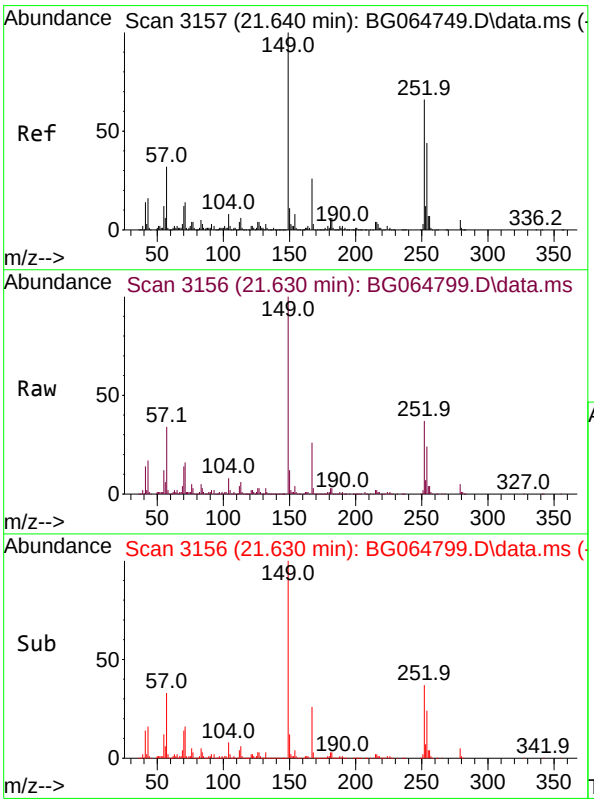
#83
Chrysene
Concen: 39.284 ng
RT: 21.801 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1164626

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	20.2	16.0	24.0

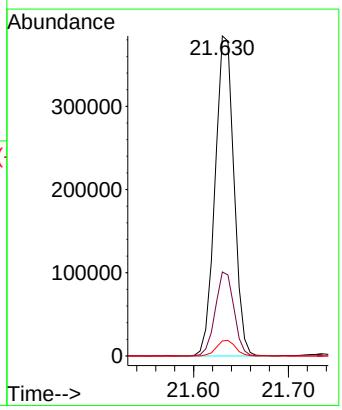


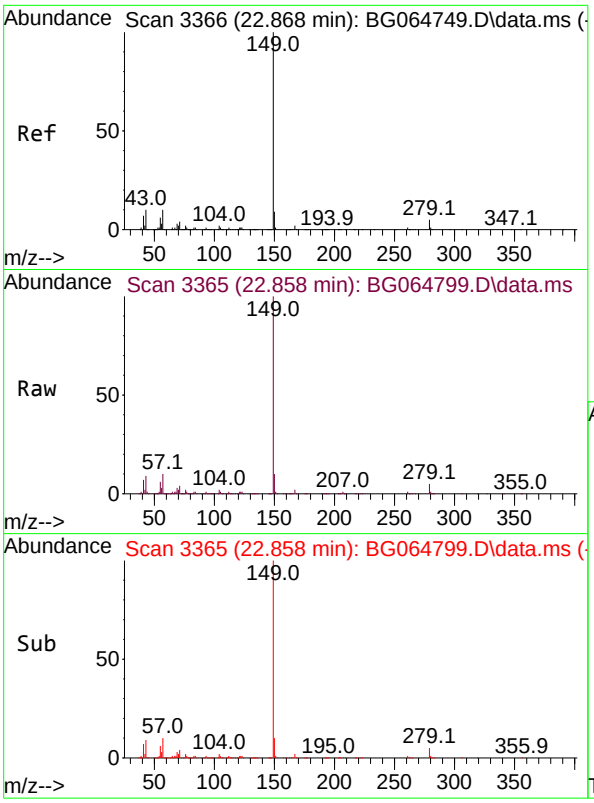


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.823 ng
RT: 21.630 min Scan# 3156
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:149 Resp: 530522

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	4.7	4.1	6.1



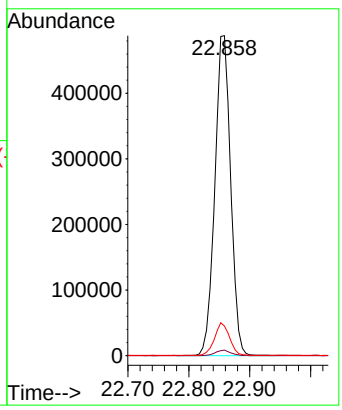


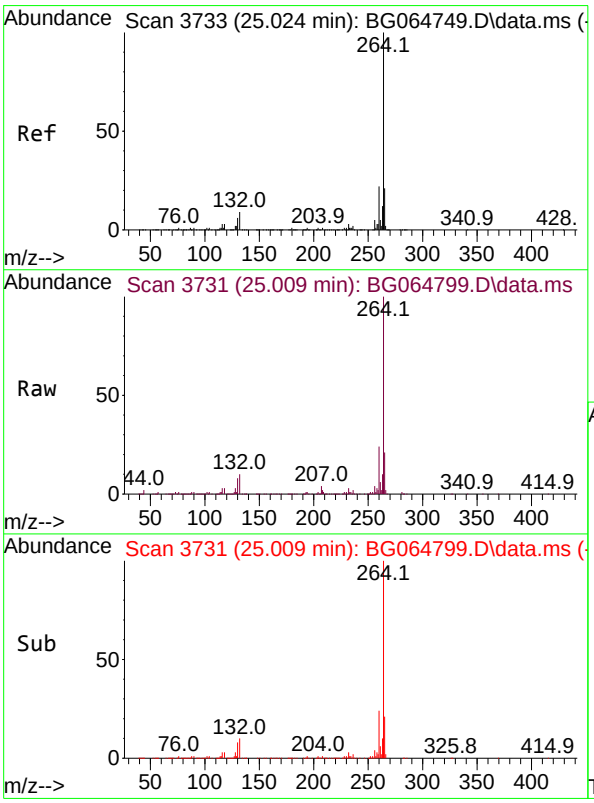
#85
Di-n-octyl phthalate
Concen: 38.222 ng
RT: 22.858 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 880187

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.6	8.3	12.5

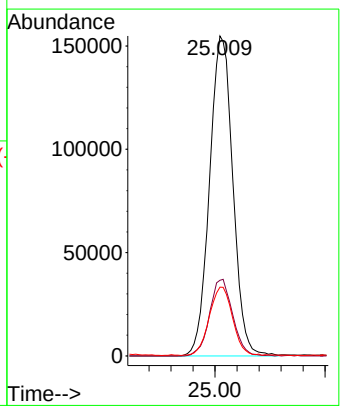


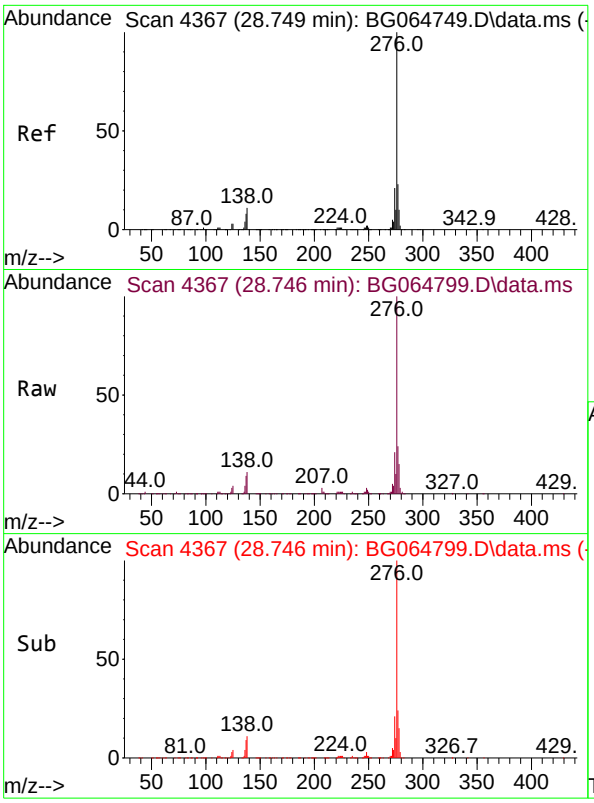


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:264 Resp: 455207

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.2	25.8
265	21.5	16.6	25.0



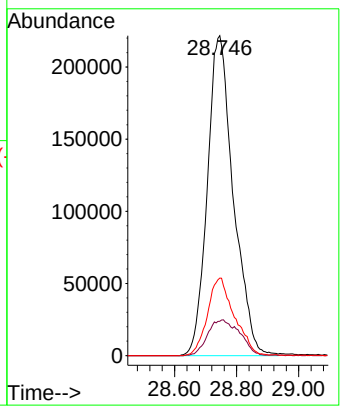


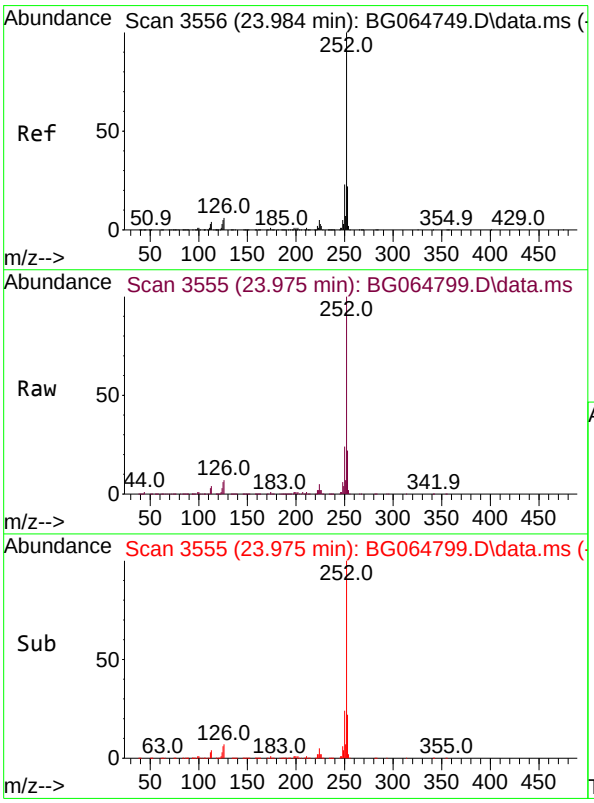
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.337 ng
RT: 28.746 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1292789

Ion	Ratio	Lower	Upper
276	100		
138	13.8	4.5	6.7#
277	25.0	20.0	30.0

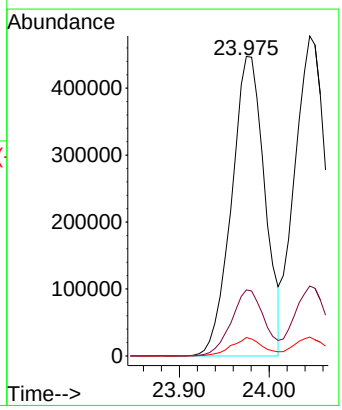


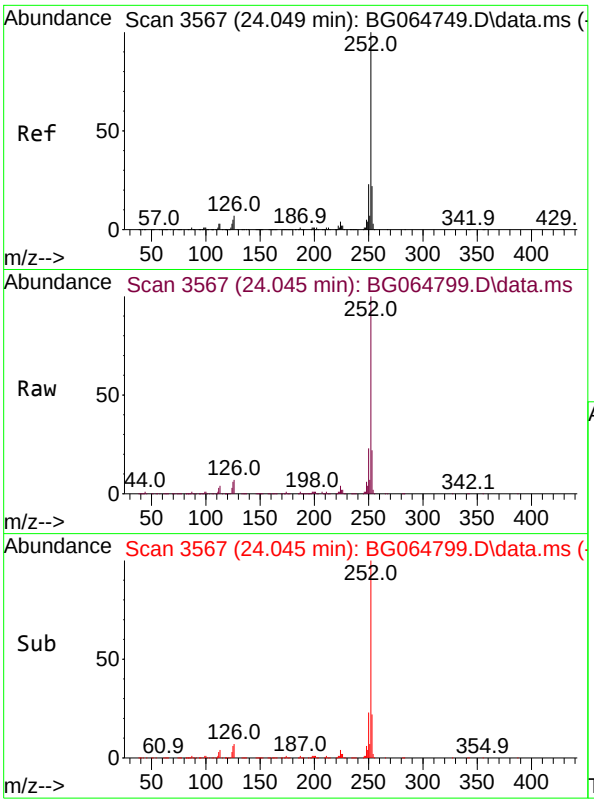


#88
Benzo(b)fluoranthene
Concen: 39.742 ng
RT: 23.975 min Scan# 3555
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:252 Resp: 1151279

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.1	4.2	6.2



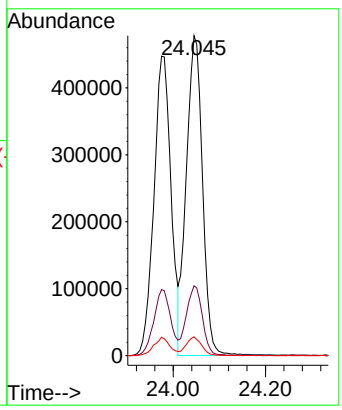


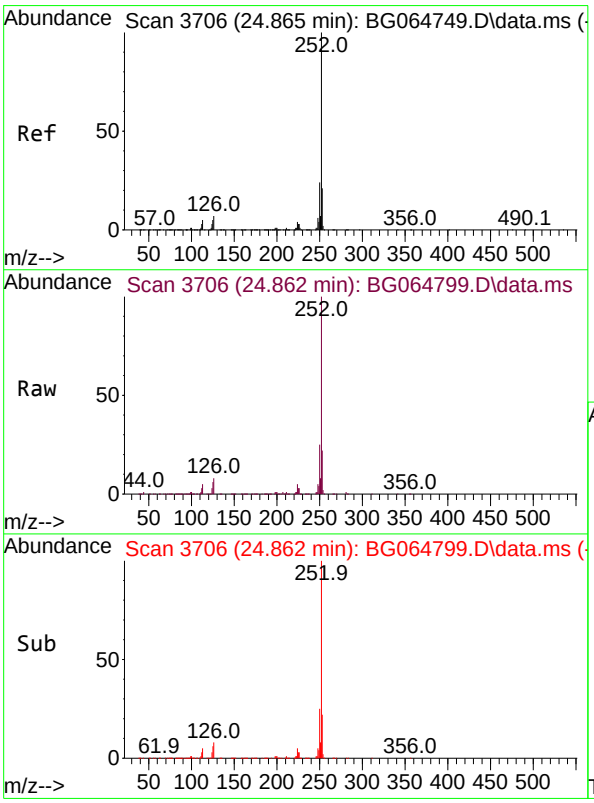
#89
Benzo(k)fluoranthene
Concen: 40.139 ng
RT: 24.045 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1168193

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	5.9	4.1	6.1

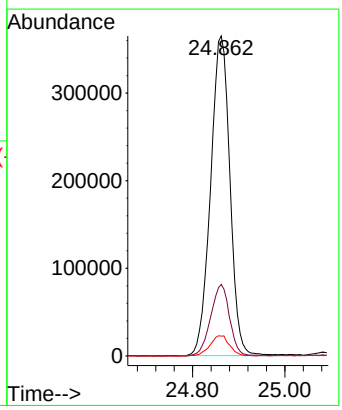


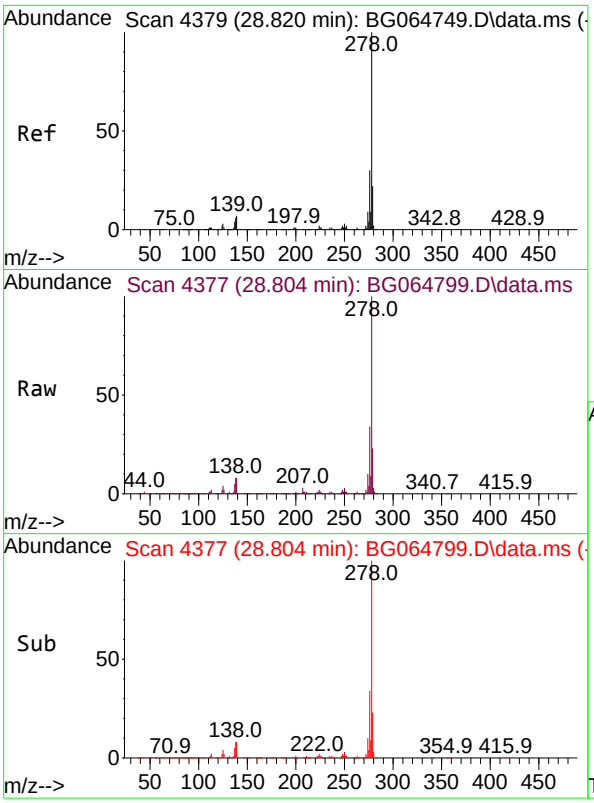


#90
Benzo(a)pyrene
Concen: 39.600 ng
RT: 24.862 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:252 Resp: 1064131

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.9	25.3
125	6.2	4.2	6.4



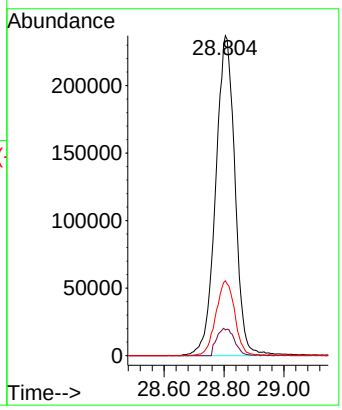


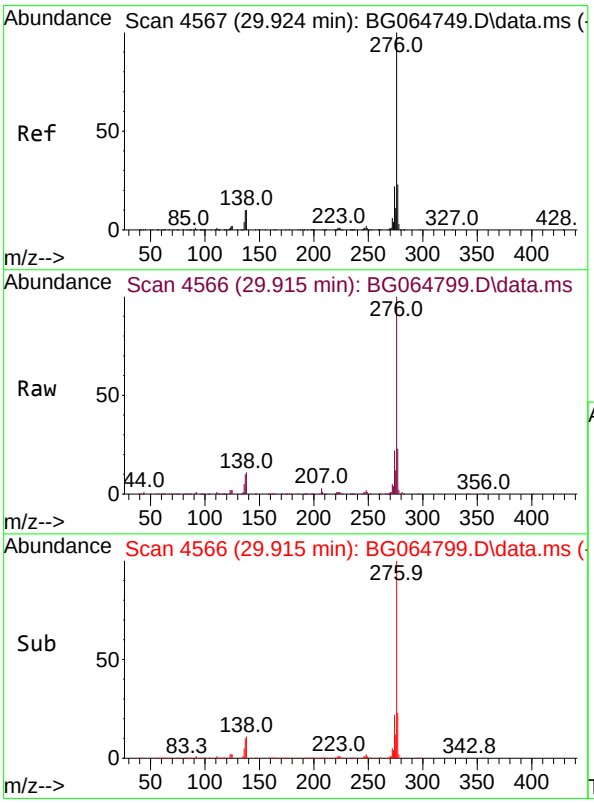
#91
Dibenzo(a,h)anthracene
Concen: 41.520 ng
RT: 28.804 min Scan# 4
Delta R.T. -0.015 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1063773

Ion	Ratio	Lower	Upper
278	100		
139	8.0	5.8	8.8
279	23.4	17.3	25.9

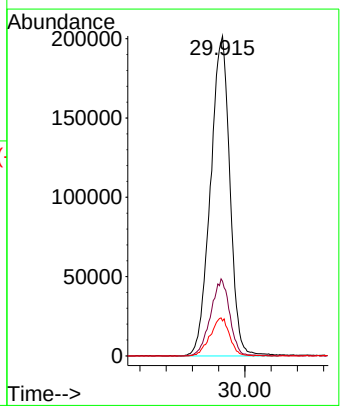




#92
Benzo(g,h,i)perylene
Concen: 41.971 ng
RT: 29.915 min Scan# 4566
Delta R.T. -0.009 min
Lab File: BG064799.D
Acq: 18 Nov 2025 12:10

Tgt Ion:276 Resp: 1034901

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.0	27.0
138	10.9	8.2	12.2



Sample Results: **BG064799.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	161#	0.00
2		1,4-Dioxane	0.443	0.411	7.2	142	0.00
3		Pyridine	1.321	1.291	2.3	153#	0.00
4		n-Nitrosodimethylamine	0.672	0.604	10.1	142	0.00
5	S	2-Fluorophenol	1.145	1.128	1.5	156#	0.00
6		Aniline	2.030	2.030	0.0	155#	0.00
7	S	Phenol-d6	1.523	1.523	0.0	156#	0.00
8		2-Chlorophenol	1.258	1.269	-0.9	157#	0.00
9		Benzaldehyde	0.997	0.912	8.5	143	0.00
10	C	Phenol	1.657	1.689	-1.9	159#	0.00
11		bis(2-Chloroethyl)ether	1.179	1.233	-4.6	161#	0.00
12		1,3-Dichlorobenzene	1.447	1.436	0.8	155#	0.00
13	C	1,4-Dichlorobenzene	1.474	1.455	1.3	156#	0.00
14		1,2-Dichlorobenzene	1.429	1.420	0.6	155#	0.00
15		Benzyl Alcohol	1.250	1.236	1.1	153#	0.00
16		2,2'-oxybis(1-Chloropropane	2.792	2.561	8.3	146	0.00
17		2-Methylphenol	1.173	1.178	-0.4	156#	0.00
18		Hexachloroethane	0.558	0.526	5.7	151#	0.00
19	P	n-Nitroso-di-n-propylamine	1.030	1.047	-1.7	154#	0.00
20		3+4-Methylphenols	1.607	1.588	1.2	155#	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	156#	0.00
22		Acetophenone	0.545	0.562	-3.1	156#	0.00
23	S	Nitrobenzene-d5	0.405	0.405	0.0	152#	0.00
24		Nitrobenzene	0.409	0.420	-2.7	158#	0.00
25		Isophorone	0.770	0.766	0.5	156#	0.00
26	C	2-Nitrophenol	0.184	0.195	-6.0	158#	0.00
27		2,4-Dimethylphenol	0.327	0.336	-2.8	158#	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.444	-5.0	163#	0.00
29	C	2,4-Dichlorophenol	0.351	0.366	-4.3	157#	0.00
30		1,2,4-Trichlorobenzene	0.423	0.421	0.5	155#	0.00
31		Naphthalene	1.134	1.122	1.1	153#	0.00
32		Benzoic acid	0.205	0.217	-5.9	166#	0.01
33		4-Chloroaniline	0.454	0.472	-4.0	156#	0.00
34	C	Hexachlorobutadiene	0.363	0.353	2.8	150#	0.00
35		Caprolactam	0.105	0.115	-9.5	175#	0.00
36	C	4-Chloro-3-methylphenol	0.390	0.405	-3.8	162#	0.00
37		2-Methylnaphthalene	0.848	0.836	1.4	155#	0.00
38		1-Methylnaphthalene	0.843	0.828	1.8	155#	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	157#	0.00
40		1,2,4,5-Tetrachlorobenzene	0.778	0.756	2.8	152#	0.00
41	P	Hexachlorocyclopentadiene	0.558	0.528	5.4	148	0.00
42	S	2,4,6-Tribromophenol	0.390	0.387	0.8	158#	0.00
43	C	2,4,6-Trichlorophenol	0.457	0.464	-1.5	157#	0.00
44		2,4,5-Trichlorophenol	0.512	0.515	-0.6	155#	0.00
45	S	2-Fluorobiphenyl	1.433	1.382	3.6	153#	0.00
46		1,1'-Biphenyl	1.436	1.390	3.2	153#	0.00
47		2-Chloronaphthalene	1.132	1.114	1.6	156#	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	0.364	0.381	-4.7	161#	0.00
49		Acenaphthylene	1.933	1.911	1.1	156#	0.00
50		Dimethylphthalate	1.580	1.559	1.3	158#	0.00
51		2,6-Dinitrotoluene	0.304	0.313	-3.0	161#	0.00
52	C	Acenaphthene	1.159	1.177	-1.6	159#	0.00
53		3-Nitroaniline	0.300	0.325	-8.3	167#	0.00
54	P	2,4-Dinitrophenol	0.158	0.190	-20.3	177#	0.00
55		Dibenzofuran	1.916	1.888	1.5	159#	0.00
56	P	4-Nitrophenol	0.238	0.263	-10.5	171#	0.00
57		2,4-Dinitrotoluene	0.456	0.484	-6.1	165#	0.00
58		Fluorene	1.503	1.464	2.6	157#	0.00
59		2,3,4,6-Tetrachlorophenol	0.506	0.533	-5.3	167#	0.00
60		Diethylphthalate	1.513	1.534	-1.4	162#	0.00
61		4-Chlorophenyl-phenylether	0.902	0.892	1.1	159#	0.00
62		4-Nitroaniline	0.311	0.348	-11.9	171#	0.00
63		Azobenzene	1.259	1.262	-0.2	161#	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	159#	0.00
65		4,6-Dinitro-2-methylphenol	0.111	0.127	-14.4	173#	0.00
66	c	n-Nitrosodiphenylamine	0.524	0.537	-2.5	159#	0.00
67		4-Bromophenyl-phenylether	0.263	0.264	-0.4	156#	0.00
68		Hexachlorobenzene	0.318	0.315	0.9	157#	0.00
69		Atrazine	0.253	0.253	0.0	159#	0.00
70	C	Pentachlorophenol	0.157	0.186	-18.5	185#	0.00
71		Phenanthrene	1.094	1.106	-1.1	160#	0.00
72		Anthracene	1.116	1.131	-1.3	162#	0.00
73		Carbazole	0.959	0.965	-0.6	158#	0.00
74		Di-n-butylphthalate	1.070	1.097	-2.5	162#	0.00
75	C	Fluoranthene	1.496	1.451	3.0	155#	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	140	0.00
77		Benzidine	0.599	0.507	15.4	127	0.00
78		Pyrene	1.121	1.228	-9.5	155#	0.00
79	S	Terphenyl-d14	1.017	1.058	-4.0	147	0.00
80		Butylbenzylphthalate	0.394	0.421	-6.9	151#	0.00
81		Benzo(a)anthracene	1.360	1.329	2.3	135	0.00
82		3,3'-Dichlorobenzidine	0.501	0.456	9.0	124	0.00
83		Chrysene	1.282	1.259	1.8	135	0.00
84		Bis(2-ethylhexyl)phthalate	0.576	0.574	0.3	138	0.00
85	c	Di-n-octyl phthalate	0.996	0.952	4.4	129	0.00
86	I	Perylene-d12	1.000	1.000	0.0	122	-0.02
87		Indeno(1,2,3-cd)pyrene	1.374	1.420	-3.3	124	0.00
88		Benzo(b)fluoranthene	1.273	1.265	0.6	120	0.00
89		Benzo(k)fluoranthene	1.279	1.283	-0.3	125	0.00
90	C	Benzo(a)pyrene	1.181	1.169	1.0	120	0.00
91		Dibenzo(a,h)anthracene	1.126	1.168	-3.7	124	-0.02
92		Benzo(g,h,i)perylene	1.083	1.137	-5.0	126	0.00

Sample Results: **BG064799.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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

Sample Results: **BG064799.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	161	0.00
2		1,4-Dioxane	40.000	37.051	7.4	142	0.00
3		Pyridine	40.000	39.101	2.2	153	0.00
4		n-Nitrosodimethylamine	40.000	35.909	10.2	142	0.00
5	S	2-Fluorophenol	80.000	78.759	1.6	156	0.00
6		Aniline	40.000	39.994	0.0	155	0.00
7	S	Phenol-d6	80.000	79.975	0.0	156	0.00
8		2-Chlorophenol	40.000	40.371	-0.9	157	0.00
9		Benzaldehyde	40.000	36.596	8.5	143	0.00
10	C	Phenol	40.000	40.771	-1.9	159	0.00
11		bis(2-Chloroethyl)ether	40.000	41.807	-4.5	161	0.00
12		1,3-Dichlorobenzene	40.000	39.686	0.8	155	0.00
13	C	1,4-Dichlorobenzene	40.000	39.509	1.2	156	0.00
14		1,2-Dichlorobenzene	40.000	39.742	0.6	155	0.00
15		Benzyl Alcohol	40.000	39.543	1.1	153	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.692	8.3	146	0.00
17		2-Methylphenol	40.000	40.183	-0.5	156	0.00
18		Hexachloroethane	40.000	37.692	5.8	151	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.675	-1.7	154	0.00
20		3+4-Methylphenols	40.000	39.529	1.2	155	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	156	0.00
22		Acetophenone	40.000	41.249	-3.1	156	0.00
23	S	Nitrobenzene-d5	80.000	80.006	-0.0	152	0.00
24		Nitrobenzene	40.000	41.133	-2.8	158	0.00
25		Isophorone	40.000	39.776	0.6	156	0.00
26	C	2-Nitrophenol	40.000	42.526	-6.3	158	0.00
27		2,4-Dimethylphenol	40.000	41.107	-2.8	158	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.964	-4.9	163	0.00
29	C	2,4-Dichlorophenol	40.000	41.729	-4.3	157	0.00
30		1,2,4-Trichlorobenzene	40.000	39.774	0.6	155	0.00
31		Naphthalene	40.000	39.598	1.0	153	0.00
32		Benzoic acid	40.000	38.885	2.8	166	0.01
33		4-Chloroaniline	40.000	41.653	-4.1	156	0.00
34	C	Hexachlorobutadiene	40.000	38.855	2.9	150	0.00
35		Caprolactam	40.000	44.045	-10.1	175	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.541	-3.9	162	0.00
37		2-Methylnaphthalene	40.000	39.410	1.5	155	0.00
38		1-Methylnaphthalene	40.000	39.290	1.8	155	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	157	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.840	2.9	152	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.821	5.4	148	0.00
42	S	2,4,6-Tribromophenol	80.000	79.437	0.7	158	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.613	-1.5	157	0.00
44		2,4,5-Trichlorophenol	40.000	40.168	-0.4	155	0.00
45	S	2-Fluorobiphenyl	80.000	77.118	3.6	153	0.00
46		1,1'-Biphenyl	40.000	38.705	3.2	153	0.00
47		2-Chloronaphthalene	40.000	39.376	1.6	156	0.00

Sample Results: **BG064799.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	41.911	-4.8	161	0.00
49		Acenaphthylene	40.000	39.541	1.1	156	0.00
50		Dimethylphthalate	40.000	39.472	1.3	158	0.00
51		2,6-Dinitrotoluene	40.000	41.173	-2.9	161	0.00
52	C	Acenaphthene	40.000	40.611	-1.5	159	0.00
53		3-Nitroaniline	40.000	43.322	-8.3	167	0.00
54	P	2,4-Dinitrophenol	40.000	41.231	-3.1	177	0.00
55		Dibenzofuran	40.000	39.408	1.5	159	0.00
56	P	4-Nitrophenol	40.000	44.204	-10.5	171	0.00
57		2,4-Dinitrotoluene	40.000	42.493	-6.2	165	0.00
58		Fluorene	40.000	38.971	2.6	157	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.191	-5.5	167	0.00
60		Diethylphthalate	40.000	40.532	-1.3	162	0.00
61		4-Chlorophenyl-phenylether	40.000	39.560	1.1	159	0.00
62		4-Nitroaniline	40.000	44.822	-12.1	171	0.00
63		Azobenzene	40.000	40.098	-0.2	161	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	159	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.644	-14.1	173	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.965	-2.4	159	0.00
67		4-Bromophenyl-phenylether	40.000	40.163	-0.4	156	0.00
68		Hexachlorobenzene	40.000	39.648	0.9	157	0.00
69		Atrazine	40.000	40.007	-0.0	159	0.00
70	C	Pentachlorophenol	40.000	42.710	-6.8	185	0.00
71		Phenanthrene	40.000	40.417	-1.0	160	0.00
72		Anthracene	40.000	40.530	-1.3	162	0.00
73		Carbazole	40.000	40.235	-0.6	158	0.00
74		Di-n-butylphthalate	40.000	40.989	-2.5	162	0.00
75	C	Fluoranthene	40.000	38.785	3.0	155	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	140	0.00
77		Benzidine	40.000	33.884	15.3	127	0.00
78		Pyrene	40.000	43.830	-9.6	155	0.00
79	S	Terphenyl-d14	80.000	83.233	-4.0	147	0.00
80		Butylbenzylphthalate	40.000	42.685	-6.7	151	0.00
81		Benzo(a)anthracene	40.000	39.099	2.3	135	0.00
82		3,3'-Dichlorobenzidine	40.000	36.440	8.9	124	0.00
83		Chrysene	40.000	39.284	1.8	135	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.823	0.4	138	0.00
85	c	Di-n-octyl phthalate	40.000	38.222	4.4	129	0.00
86	I	Perylene-d12	20.000	20.000	0.0	122	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.337	-3.3	124	0.00
88		Benzo(b)fluoranthene	40.000	39.742	0.6	120	0.00
89		Benzo(k)fluoranthene	40.000	40.139	-0.3	125	0.00
90	C	Benzo(a)pyrene	40.000	39.600	1.0	120	0.00
91		Dibenzo(a,h)anthracene	40.000	41.520	-3.8	124	-0.02
92		Benzo(g,h,i)perylene	40.000	41.971	-4.9	126	0.00

Sample Results: **BG064799.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064799.D
Acq On : 18 Nov 2025 12:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 12:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ALLI03

Lab Code: ACE SDG No.: Q3483

Instrument ID: BNA_P Calibration Date/Time: 11/26/2025 14:04

Lab File ID: BP026190.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.185		-4.9	
Phenol-d6	1.586	1.536		-3.2	
Nitrobenzene-d5	0.352	0.339		-3.7	
2-Fluorobiphenyl	1.365	1.389		1.8	
2,4,6-Tribromophenol	0.259	0.283		9.3	
Atrazine	0.233	0.229		-1.7	
Terphenyl-d14	0.981	0.995		1.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.666	152	263413	20.000	ng	0.00
21) Naphthalene-d8	10.425	136	1101921	20.000	ng	-0.02
39) Acenaphthene-d10	14.289	164	729934	20.000	ng	-0.04
64) Phenanthrene-d10	17.095	188	1501838	20.000	ng	-0.04
76) Chrysene-d12	21.554	240	1698646	20.000	ng	-0.02
86) Perylene-d12	24.854	264	1917737	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1248456	76.074	ng	0.00
7) Phenol-d6	6.843	99	1618523	77.469	ng	-0.01
23) Nitrobenzene-d5	8.802	82	1493914	77.009	ng	-0.01
42) 2,4,6-Tribromophenol	15.801	330	826370	87.271	ng	-0.04
45) 2-Fluorobiphenyl	12.901	172	4055063	81.419	ng	-0.03
79) Terphenyl-d14	19.842	244	6759101	81.136	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.219	88	256101	38.474	ng	97
3) Pyridine	3.614	79	715259	37.182	ng	99
4) n-Nitrosodimethylamine	3.525	42	263457	36.645	ng	98
6) Aniline	6.996	93	1038726	37.655	ng	98
8) 2-Chlorophenol	7.237	128	739094	39.566	ng	98
9) Benzaldehyde	6.813	77	452788	41.356	ng	98
10) Phenol	6.872	94	863743	38.377	ng	99
11) bis(2-Chloroethyl)ether	7.096	93	682788	38.745	ng	97
12) 1,3-Dichlorobenzene	7.555	146	818414	40.666	ng	99
13) 1,4-Dichlorobenzene	7.696	146	818117	40.343	ng	98
14) 1,2-Dichlorobenzene	8.013	146	787199	40.425	ng	99
15) Benzyl Alcohol	7.896	79	574931	37.562	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.184	45	941375	38.036	ng	99
17) 2-Methylphenol	8.102	107	601748	39.275	ng	99
18) Hexachloroethane	8.731	117	295793	40.088	ng	97
19) n-Nitroso-di-n-propyla...	8.460	70	511237	39.388	ng	98
20) 3+4-Methylphenols	8.425	107	819398	38.595	ng	99
22) Acetophenone	8.472	105	1091058	38.955	ng	98
24) Nitrobenzene	8.843	77	760136	38.737	ng	99
25) Isophorone	9.366	82	1493828	38.843	ng	99
26) 2-Nitrophenol	9.543	139	392413	39.520	ng	99
27) 2,4-Dimethylphenol	9.613	122	633851	35.401	ng	99
28) bis(2-Chloroethoxy)met...	9.843	93	919252	38.166	ng	99
29) 2,4-Dichlorophenol	10.078	162	720254	40.248	ng	98
30) 1,2,4-Trichlorobenzene	10.290	180	746589	40.970	ng	98
31) Naphthalene	10.478	128	2372932	39.846	ng	99
32) Benzoic acid	9.743	122	510860	33.881	ng	98
33) 4-Chloroaniline	10.578	127	978759	38.647	ng	99
34) Hexachlorobutadiene	10.772	225	493691	41.656	ng	100
35) Caprolactam	11.360	113	248100	38.718	ng	91
36) 4-Chloro-3-methylphenol	11.713	107	755363	39.714	ng	97
37) 2-Methylnaphthalene	12.090	142	1706137	40.411	ng	99
38) 1-Methylnaphthalene	12.313	142	1661885	40.272	ng	99
40) 1,2,4,5-Tetrachloroben...	12.466	216	901725	40.855	ng	99
41) Hexachlorocyclopentadiene	12.454	237	483317	33.460	ng	99
43) 2,4,6-Trichlorophenol	12.707	196	612040	40.449	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

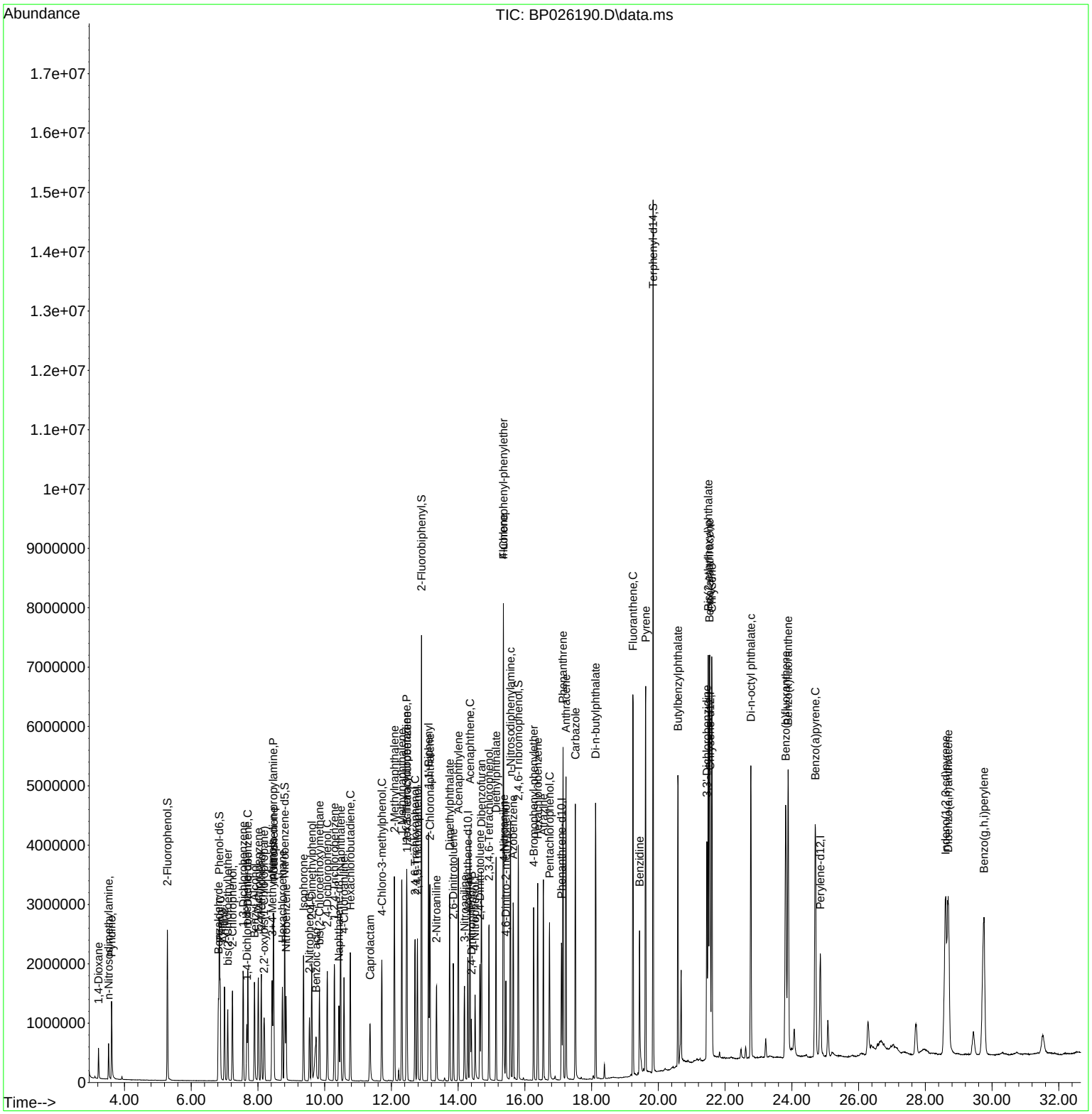
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.778	196	694591	41.124	ng		98
46)	1,1'-Biphenyl	13.113	154	2169418	39.470	ng		100
47)	2-Chloronaphthalene	13.154	162	1702157	39.383	ng		99
48)	2-Nitroaniline	13.348	65	450973	37.522	ng		96
49)	Acenaphthylene	14.007	152	2839199	39.825	ng		99
50)	Dimethylphthalate	13.742	163	2165861	39.727	ng		100
51)	2,6-Dinitrotoluene	13.854	165	446556	41.338	ng		97
52)	Acenaphthene	14.354	154	1661341	39.764	ng		99
53)	3-Nitroaniline	14.190	138	488917	38.439	ng		96
54)	2,4-Dinitrophenol	14.395	184	250898	38.476	ng		96
55)	Dibenzofuran	14.695	168	2624031	40.551	ng		99
56)	4-Nitrophenol	14.507	139	418838	36.400	ng		97
57)	2,4-Dinitrotoluene	14.654	165	666504	41.321	ng		95
58)	Fluorene	15.354	166	2092220	40.906	ng		100
59)	2,3,4,6-Tetrachlorophenol	14.925	232	597629	41.708	ng		98
60)	Diethylphthalate	15.137	149	2174197	39.588	ng		100
61)	4-Chlorophenyl-phenyle...	15.354	204	1047106	41.145	ng		96
62)	4-Nitroaniline	15.372	138	491993	37.250	ng		97
63)	Azobenzene	15.648	77	1802077	38.915	ng		99
65)	4,6-Dinitro-2-methylph...	15.431	198	376279	39.438	ng		97
66)	n-Nitrosodiphenylamine	15.566	169	1842181	39.653	ng		100
67)	4-Bromophenyl-phenylether	16.266	248	688291	41.382	ng		98
68)	Hexachlorobenzene	16.384	284	802858	41.599	ng		98
69)	Atrazine	16.554	200	688566	39.304	ng		98
70)	Pentachlorophenol	16.736	266	555725	41.163	ng		100
71)	Phenanthrene	17.142	178	3367094	39.799	ng		100
72)	Anthracene	17.231	178	3484195	40.378	ng		100
73)	Carbazole	17.513	167	3227979	39.386	ng		100
74)	Di-n-butylphthalate	18.119	149	3906329	40.204	ng		100
75)	Fluoranthene	19.236	202	4157376	40.445	ng		99
77)	Benzidine	19.436	184	1951189	36.195	ng		99
78)	Pyrene	19.619	202	4329577	38.873	ng		100
80)	Butylbenzylphthalate	20.583	149	1884921	38.429	ng		98
81)	Benzo(a)anthracene	21.530	228	4598164	39.415	ng		100
82)	3,3'-Dichlorobenzidine	21.454	252	1598958	37.690	ng		99
83)	Chrysene	21.601	228	4355108	39.612	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.495	149	2844628	38.312	ng		99
85)	Di-n-octyl phthalate	22.771	149	4859112	37.427	ng		98
87)	Indeno(1,2,3-cd)pyrene	28.606	276	5979554	41.575	ng	#	93
88)	Benzo(b)fluoranthene	23.813	252	4832663	41.380	ng		99
89)	Benzo(k)fluoranthene	23.889	252	4745420	40.681	ng		99
90)	Benzo(a)pyrene	24.701	252	4489730	40.585	ng		99
91)	Dibenzo(a,h)anthracene	28.683	278	4879387	41.444	ng		99
92)	Benzo(g,h,i)perylene	29.759	276	4850424	41.449	ng		98

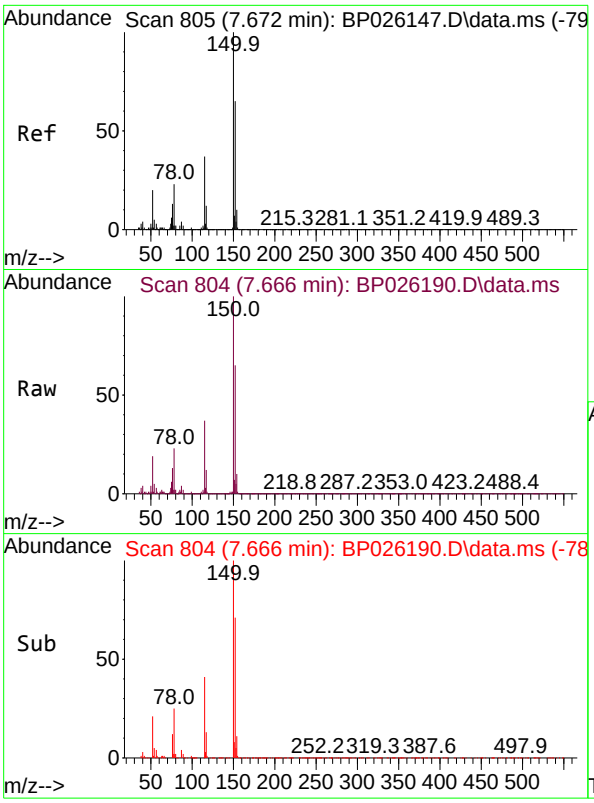
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration



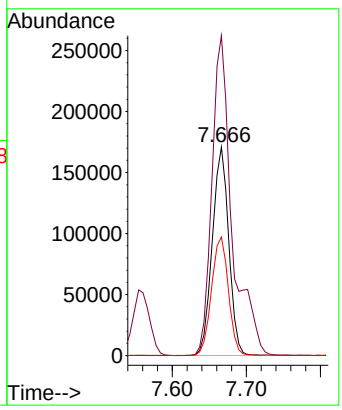


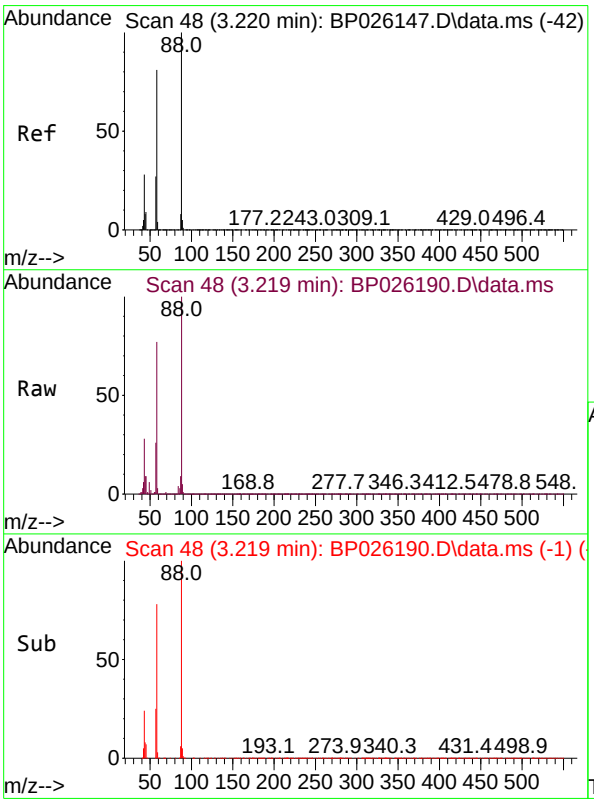
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.666 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 263413

Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.0	184.6
115	56.9	46.3	69.5

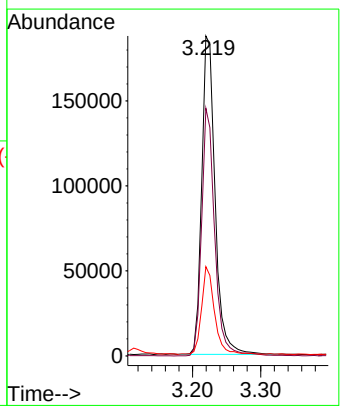


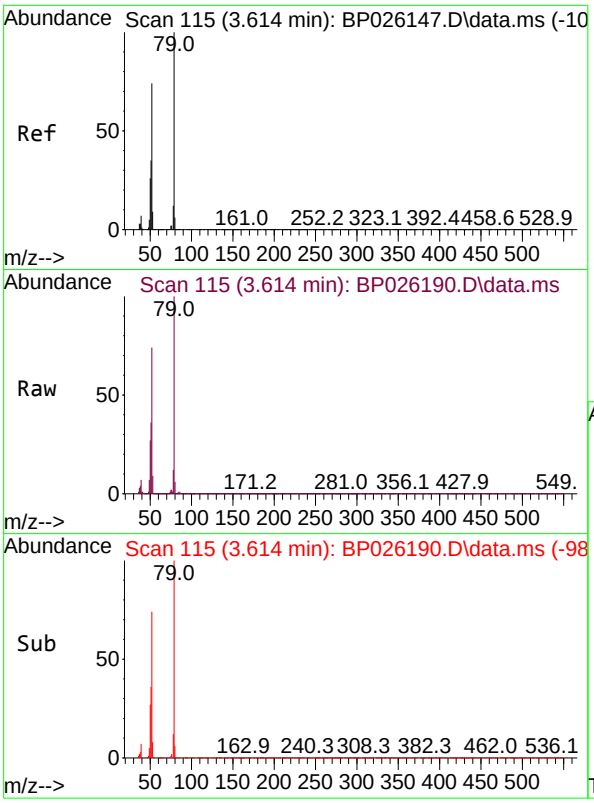


#2
1,4-Dioxane
Concen: 38.474 ng
RT: 3.219 min Scan# 48
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 88 Resp: 256101

Ion	Ratio	Lower	Upper
88	100		
58	76.4	64.2	96.4
43	26.6	21.5	32.3



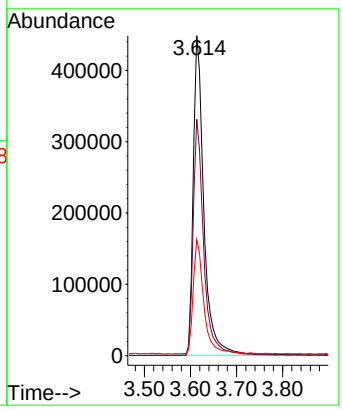


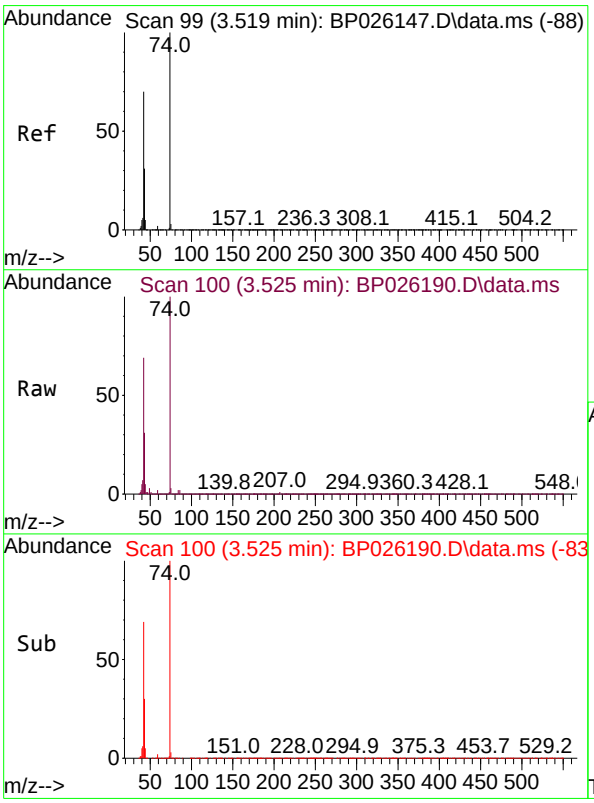
#3
Pyridine
Concen: 37.182 ng
RT: 3.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 715259

Ion	Ratio	Lower	Upper
79	100		
52	73.9	60.2	90.2
51	36.2	29.5	44.3

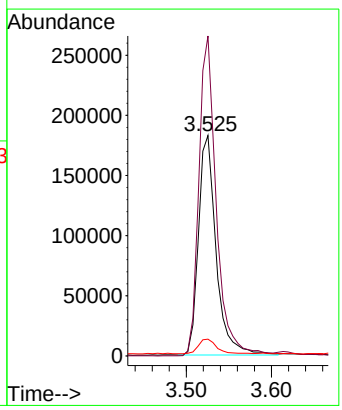


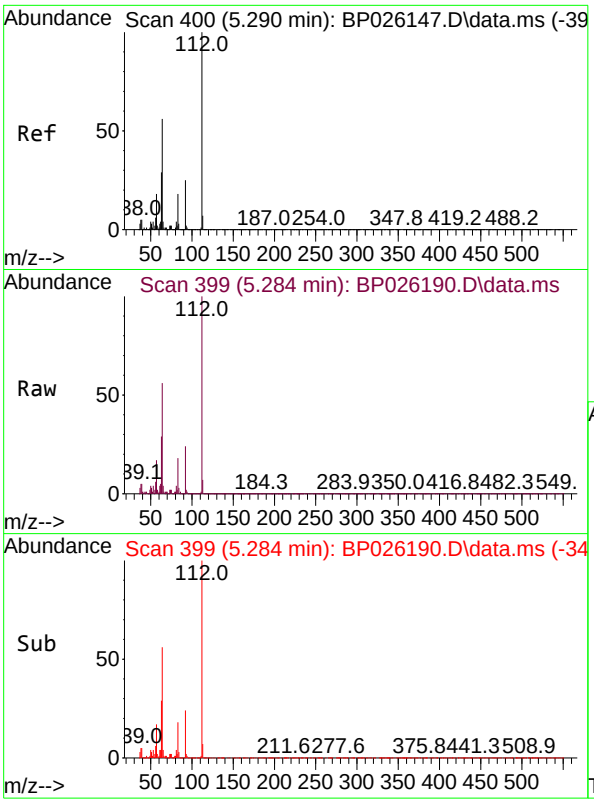


#4
n-Nitrosodimethylamine
Concen: 36.645 ng
RT: 3.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 42 Resp: 263457

Ion	Ratio	Lower	Upper
42	100		
74	145.2	118.1	177.1
44	7.6	6.2	9.4



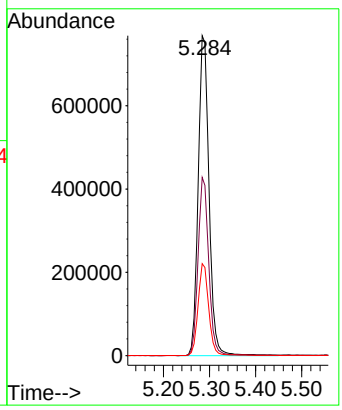


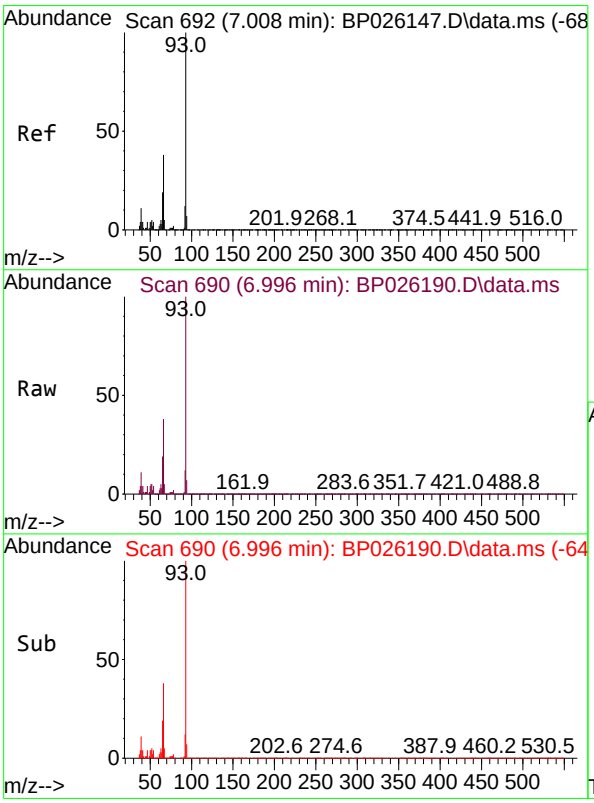
#5
2-Fluorophenol
Concen: 76.074 ng
RT: 5.284 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1248456

Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.8	68.6
63	28.7	23.5	35.3

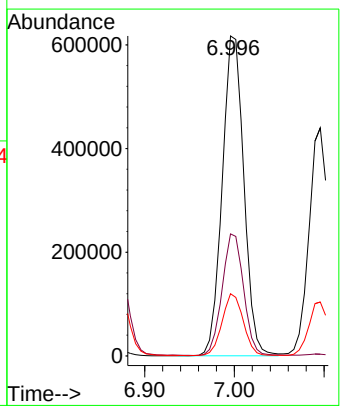


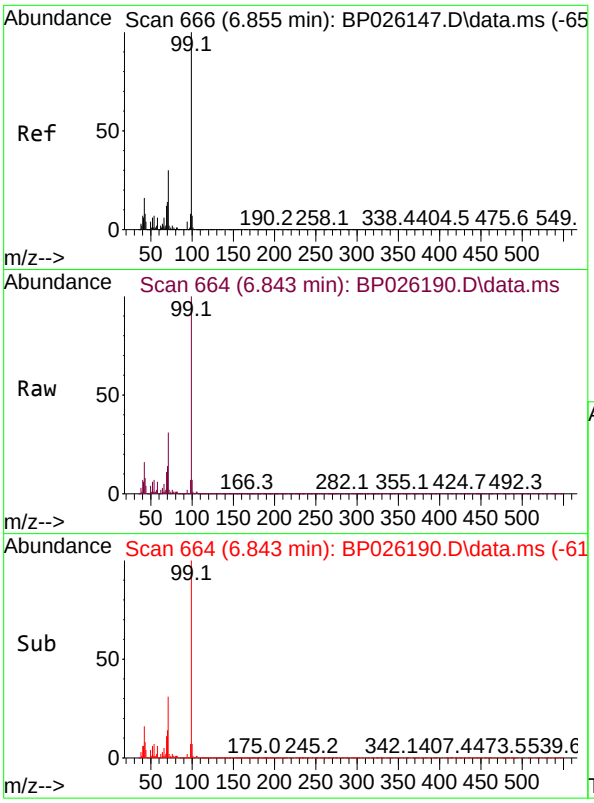


#6
Aniline
Concen: 37.655 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 93 Resp: 1038726

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.7	47.5
65	19.4	15.8	23.6



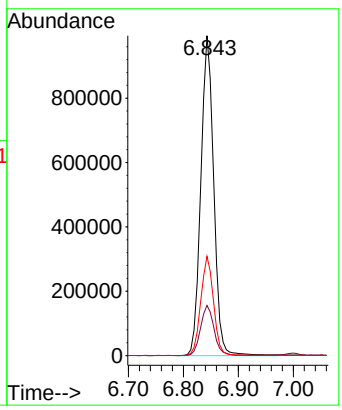


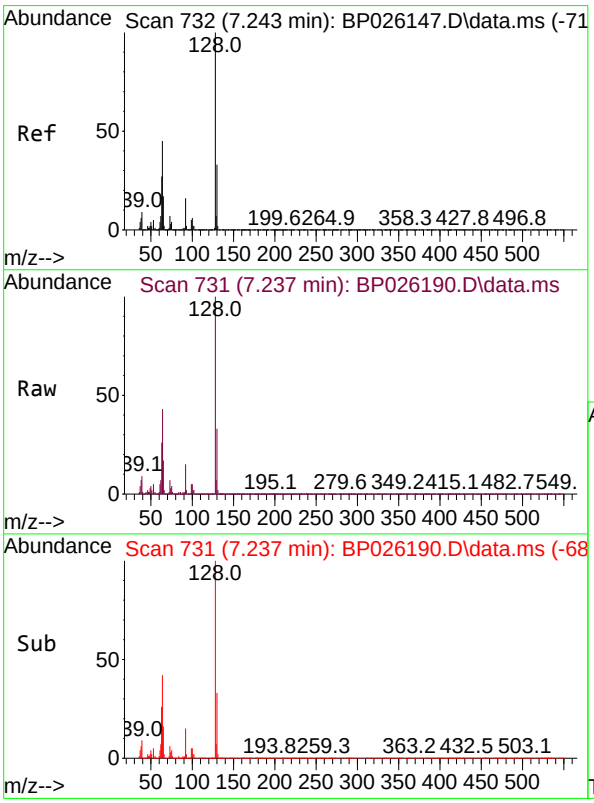
#7
Phenol-d6
Concen: 77.469 ng
RT: 6.843 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1618523

Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.9	19.3
71	31.0	24.8	37.2

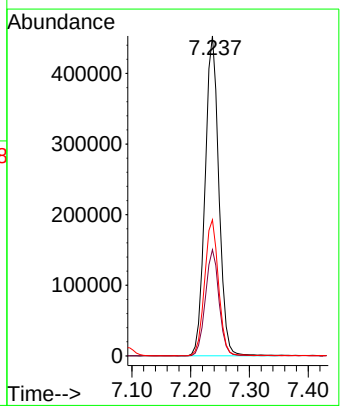


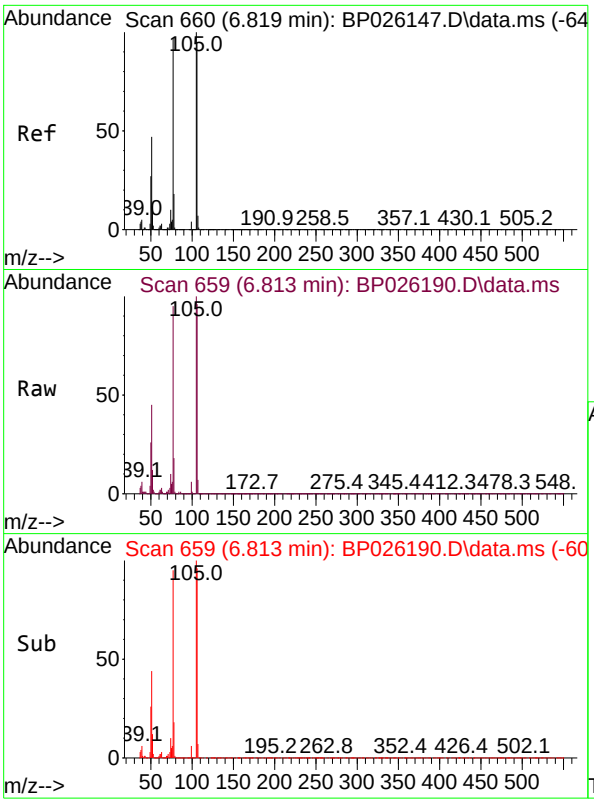


#8
2-Chlorophenol
Concen: 39.566 ng
RT: 7.237 min Scan# 731
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:128 Resp: 739094

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.4	52.4
64	42.5	23.9	63.9



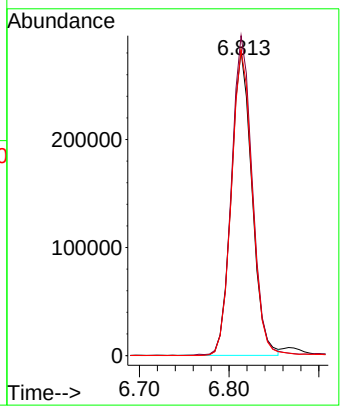


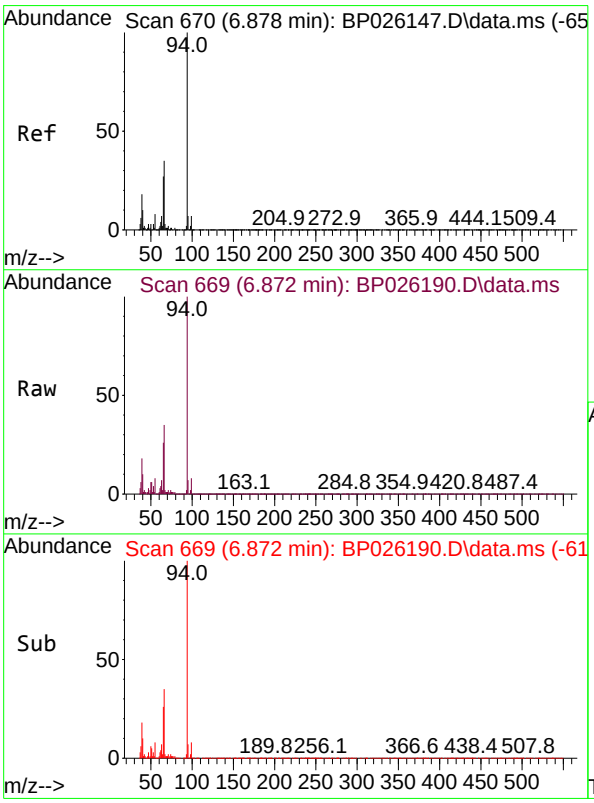
#9
Benzaldehyde
Concen: 41.356 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 452788

Ion	Ratio	Lower	Upper
77	100		
105	105.1	82.9	122.9
106	100.5	77.8	117.8

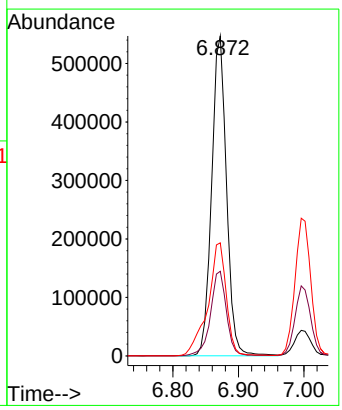


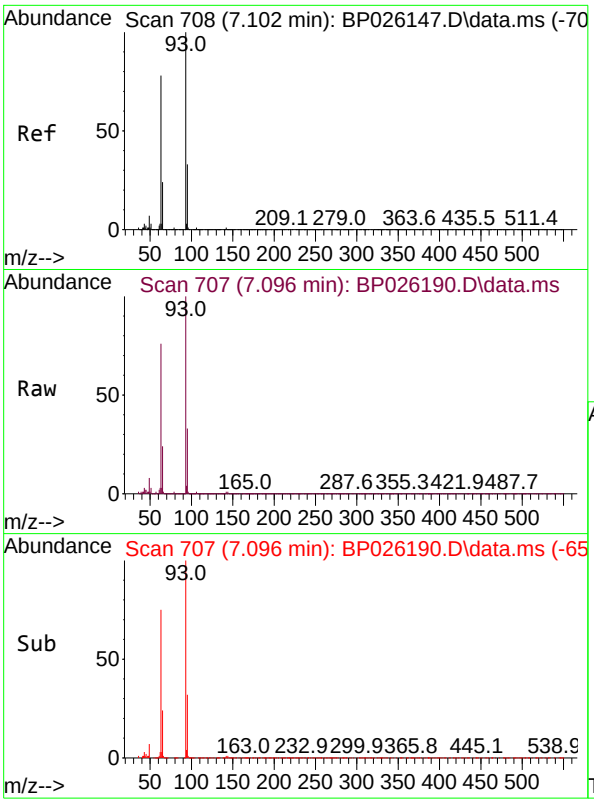


#10
Phenol
Concen: 38.377 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 94 Resp: 863743

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.0	47.0
66	35.3	14.5	54.5



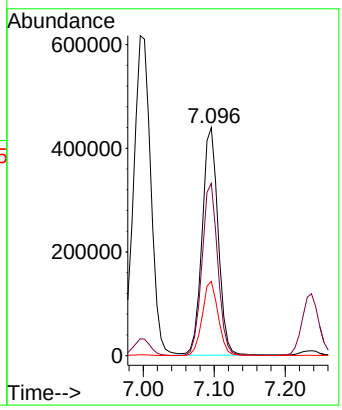


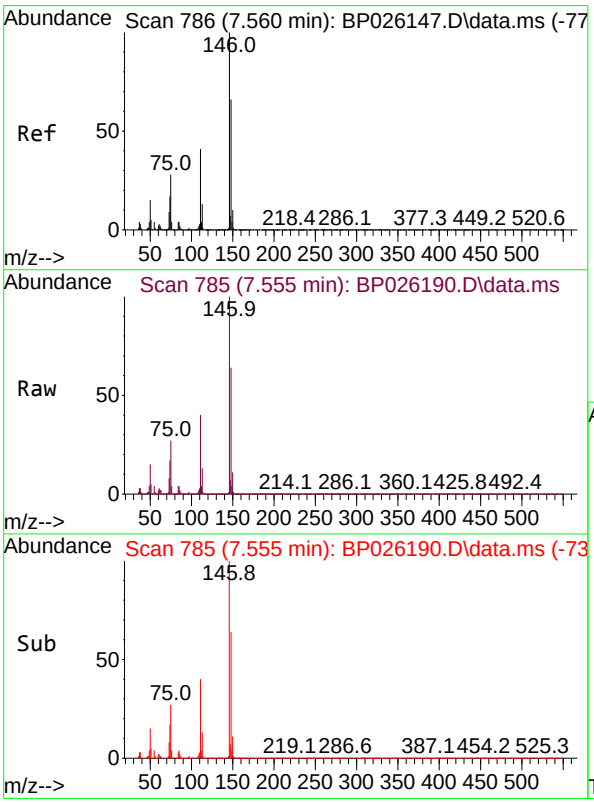
#11
bis(2-Chloroethyl)ether
Concen: 38.745 ng
RT: 7.096 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 682788

Ion	Ratio	Lower	Upper
93	100		
63	75.5	58.8	98.8
95	32.5	12.1	52.1

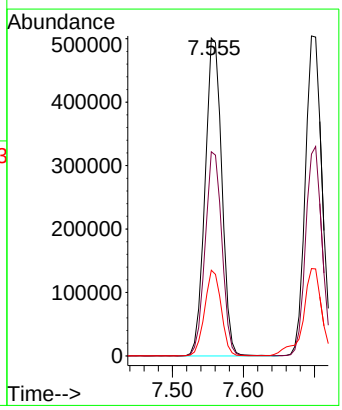


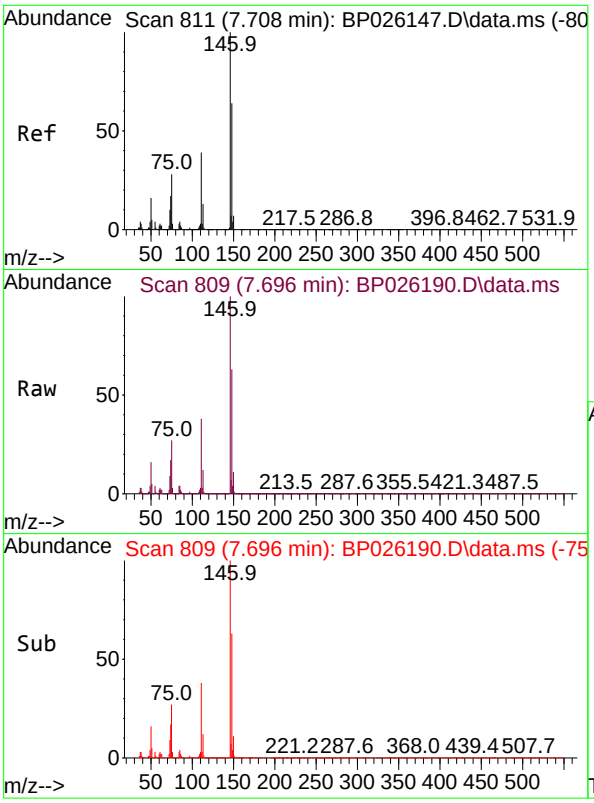


#12
1,3-Dichlorobenzene
Concen: 40.666 ng
RT: 7.555 min Scan# 785
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:146 Resp: 818414

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	26.9	22.2	33.2



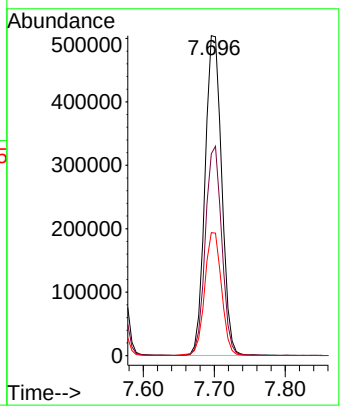


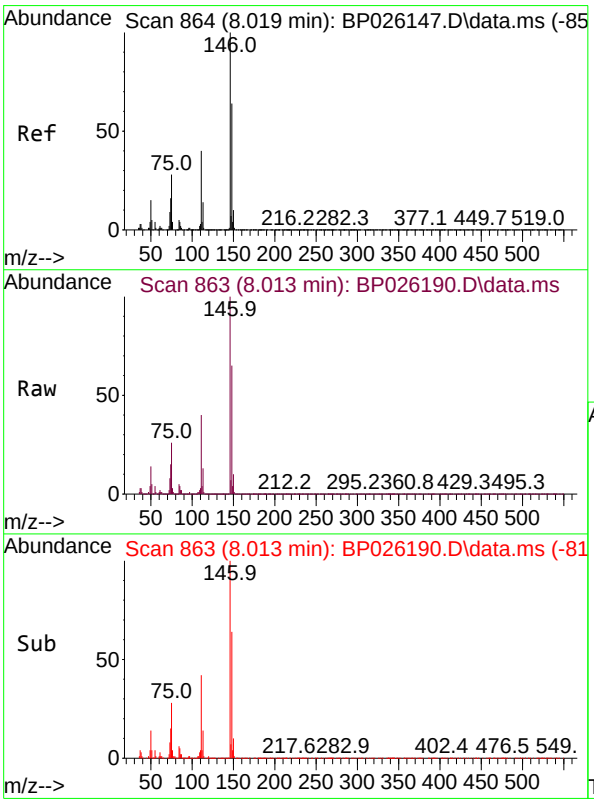
#13
1,4-Dichlorobenzene
Concen: 40.343 ng
RT: 7.696 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 818117

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.2
111	38.4	31.7	47.5

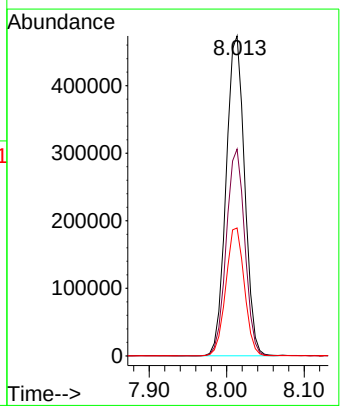


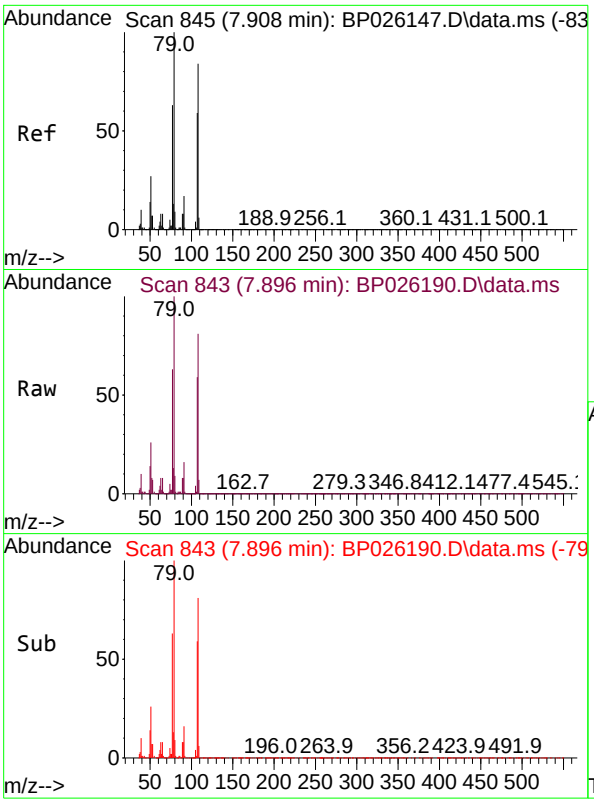


#14
1,2-Dichlorobenzene
Concen: 40.425 ng
RT: 8.013 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:146 Resp: 787199

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.6
111	40.0	33.0	49.4



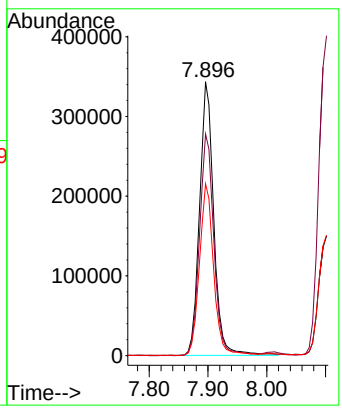


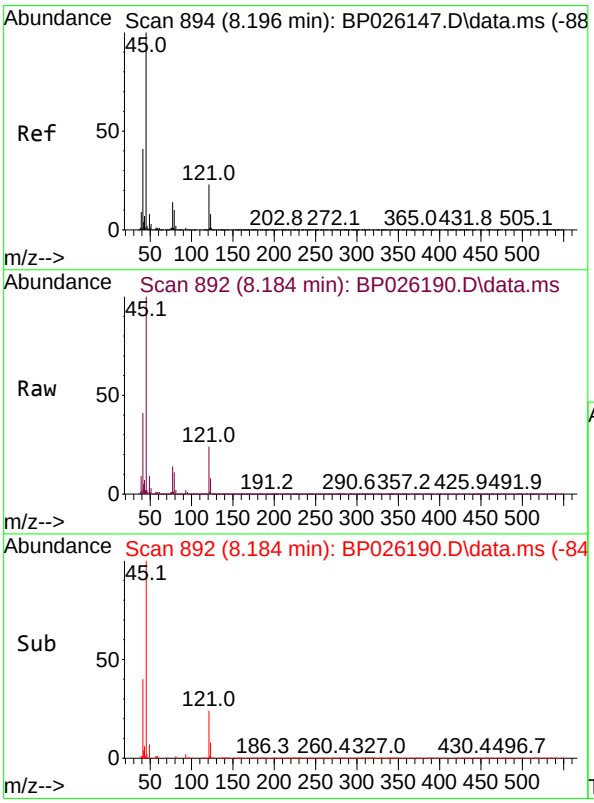
#15
Benzyl Alcohol
Concen: 37.562 ng
RT: 7.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 574931

Ion	Ratio	Lower	Upper
79	100		
108	81.0	66.2	99.4
77	62.7	50.0	75.0

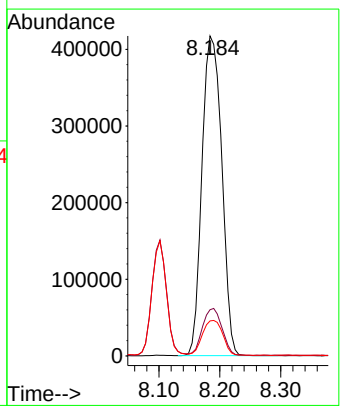


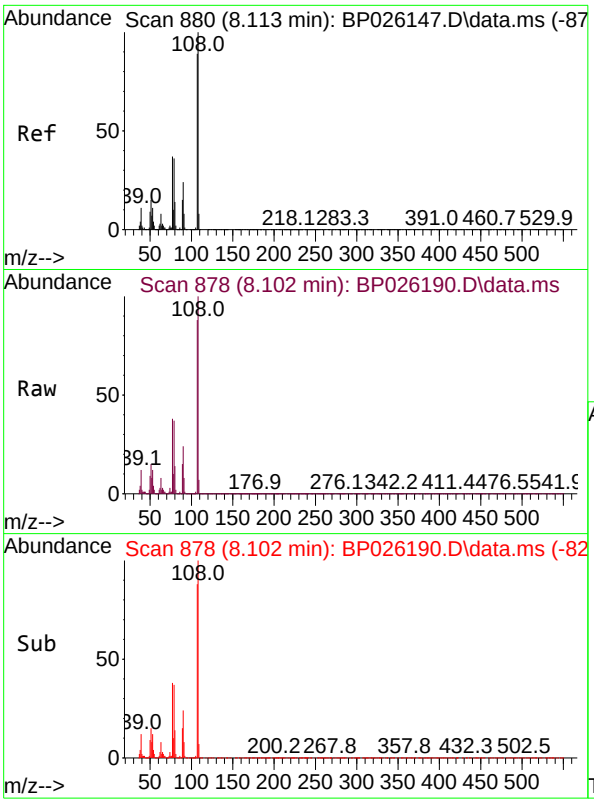


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.036 ng
RT: 8.184 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 45 Resp: 941375

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.9
79	10.9	0.0	30.4



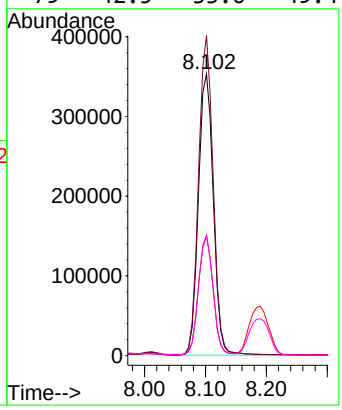


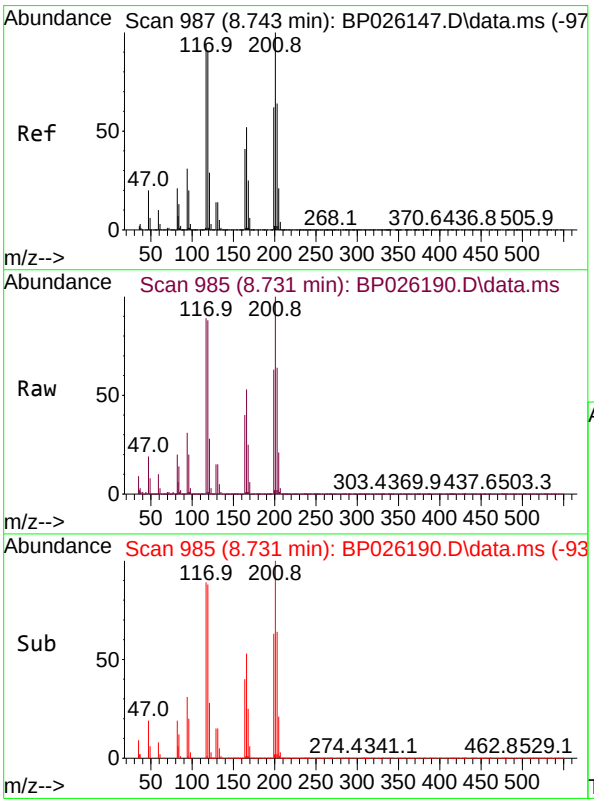
#17
2-Methylphenol
Concen: 39.275 ng
RT: 8.102 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 601748

Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.7	134.5
77	42.8	33.9	50.9
79	42.5	33.0	49.4

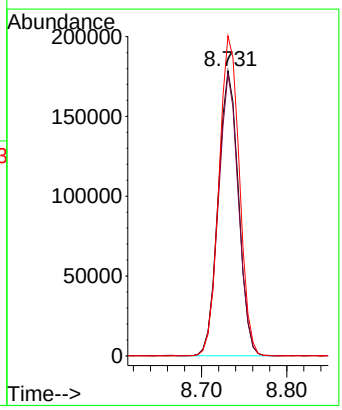


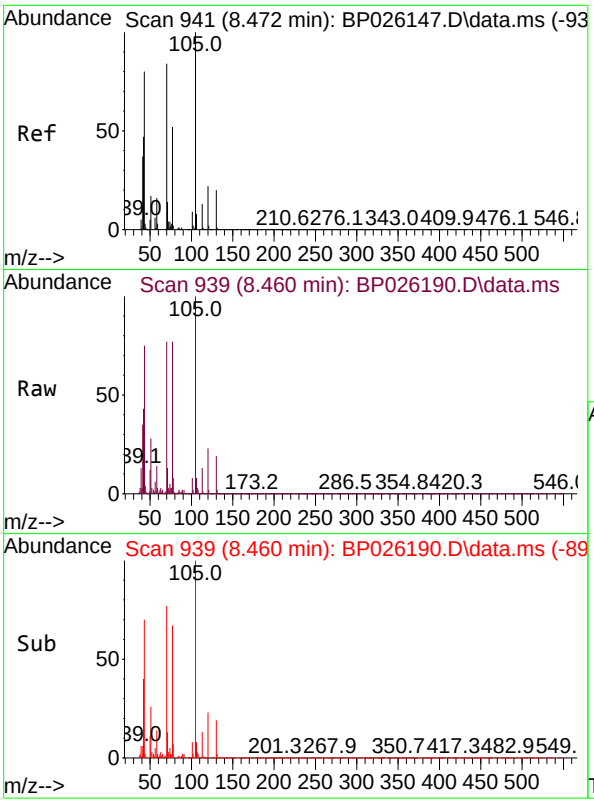


#18
Hexachloroethane
Concen: 40.088 ng
RT: 8.731 min Scan# 985
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:117 Resp: 295793

Ion	Ratio	Lower	Upper
117	100		
119	98.9	78.7	118.1
201	112.3	85.1	127.7



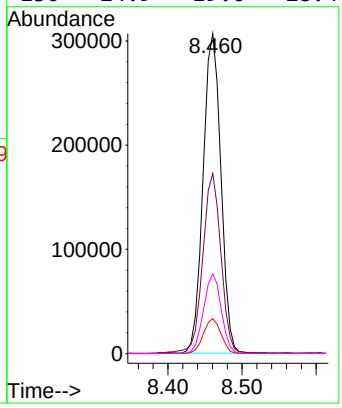


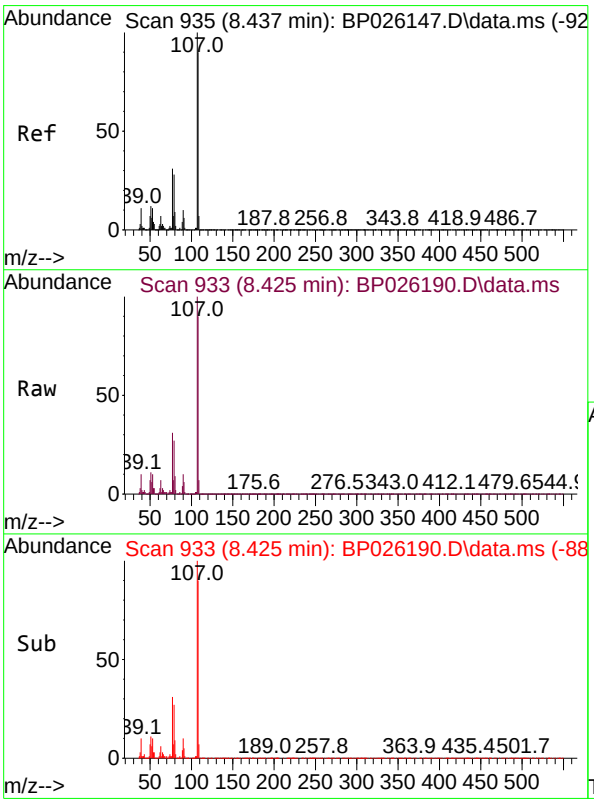
#19
n-Nitroso-di-n-propylamine
Concen: 39.388 ng
RT: 8.460 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 511237

Ion	Ratio	Lower	Upper
70	100		
42	56.3	44.1	66.1
101	10.9	8.2	12.4
130	24.9	19.0	28.4

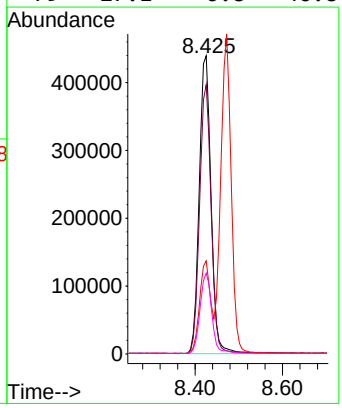


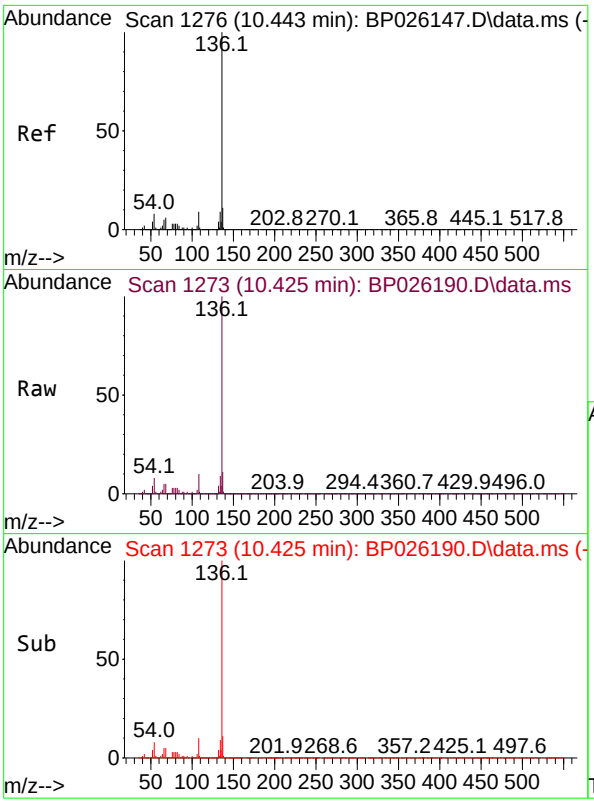


#20
3+4-Methylphenols
Concen: 38.595 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:107 Resp: 819398

Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.9	108.9
77	31.2	10.4	50.4
79	27.1	6.8	46.8



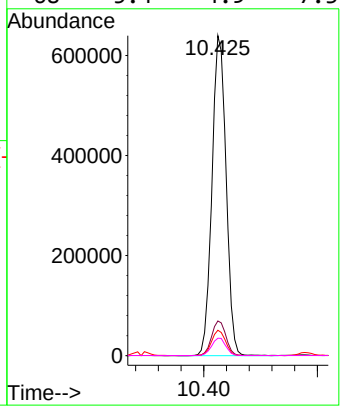


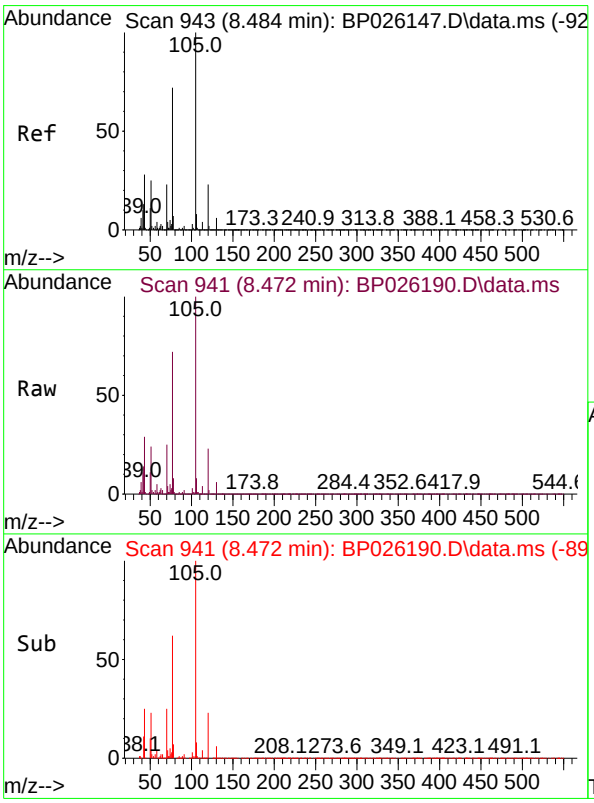
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1101921

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.9	6.4	9.6
68	5.4	4.9	7.3

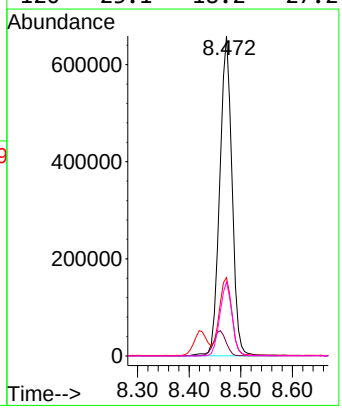


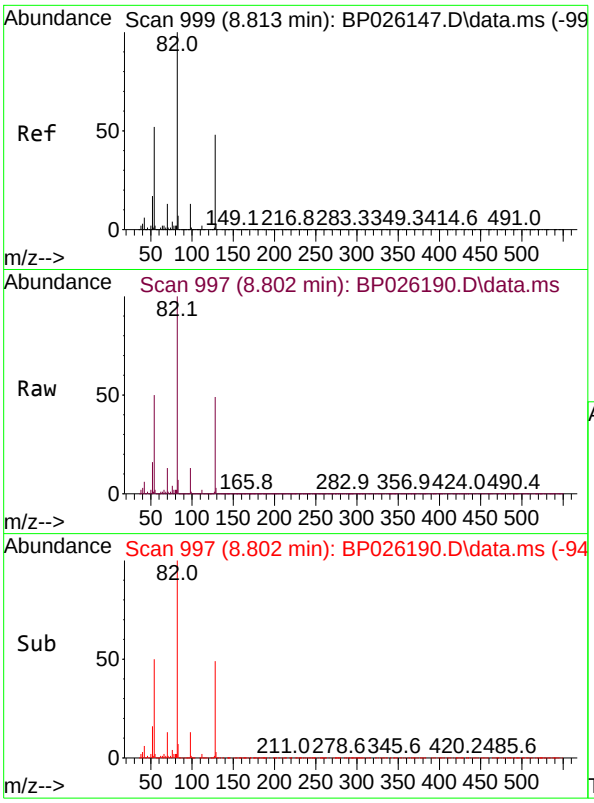


#22
Acetophenone
Concen: 38.955 ng
RT: 8.472 min Scan# 941
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:105 Resp: 1091058

Ion	Ratio	Lower	Upper
105	100		
71	4.0	3.0	4.4
51	24.5	20.5	30.7
120	23.1	18.2	27.2



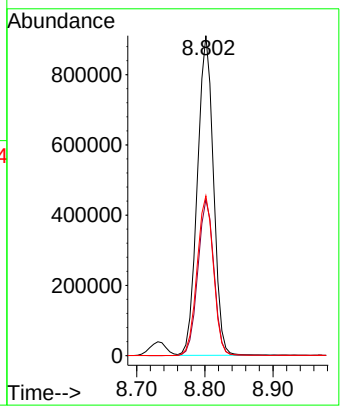


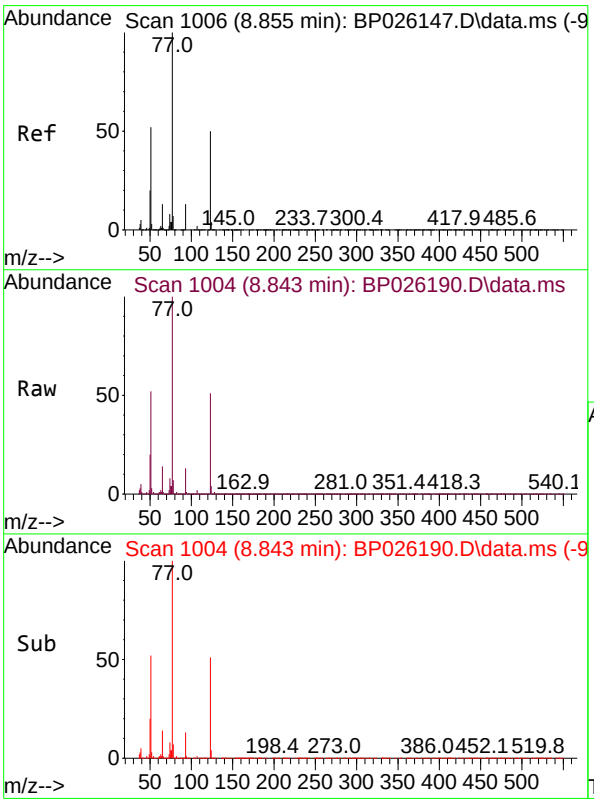
#23
Nitrobenzene-d5
Concen: 77.009 ng
RT: 8.802 min Scan# 99
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1493914

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.4	56.0
54	49.9	41.6	62.4

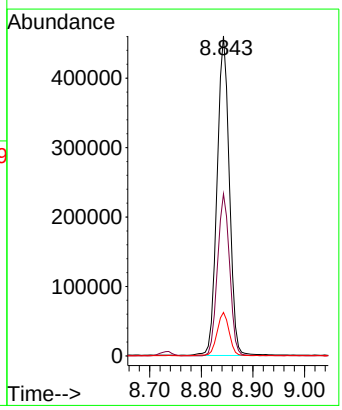


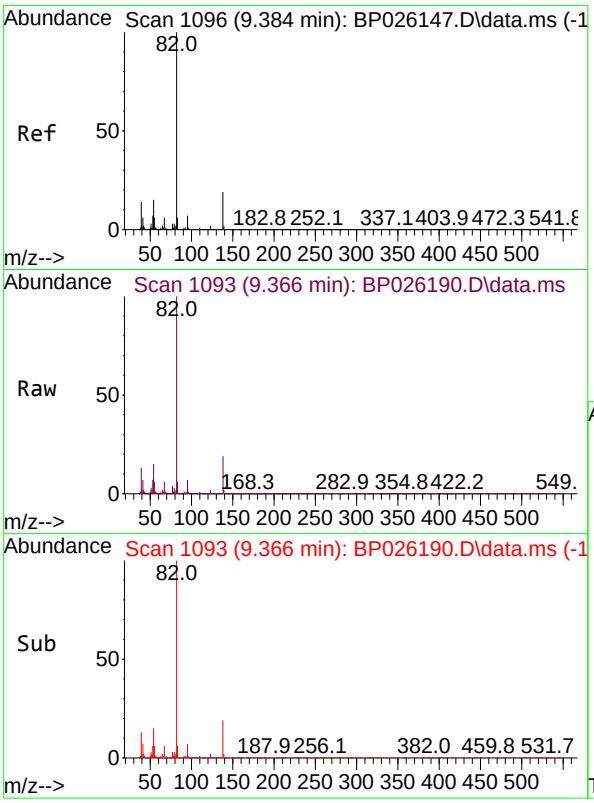


#24
Nitrobenzene
Concen: 38.737 ng
RT: 8.843 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 77 Resp: 760136

Ion	Ratio	Lower	Upper
77	100		
123	50.6	39.8	59.8
65	13.6	11.2	16.8



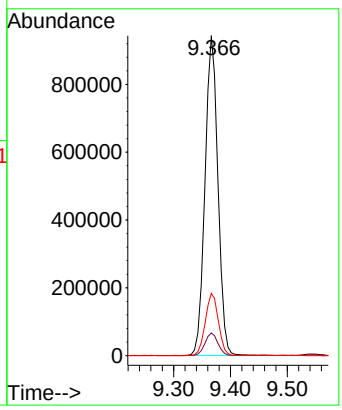


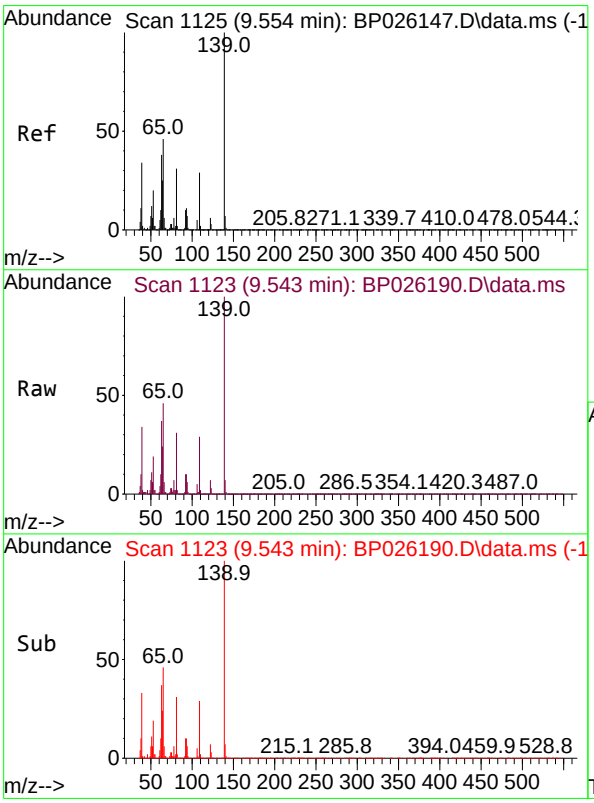
#25
Isophorone
Concen: 38.843 ng
RT: 9.366 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1493828

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	19.5	15.4	23.0

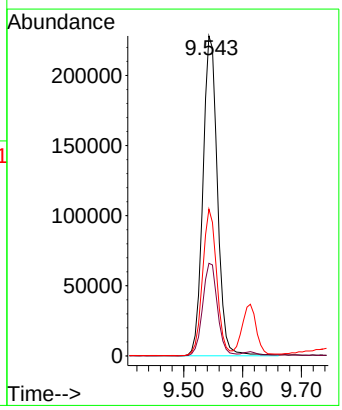


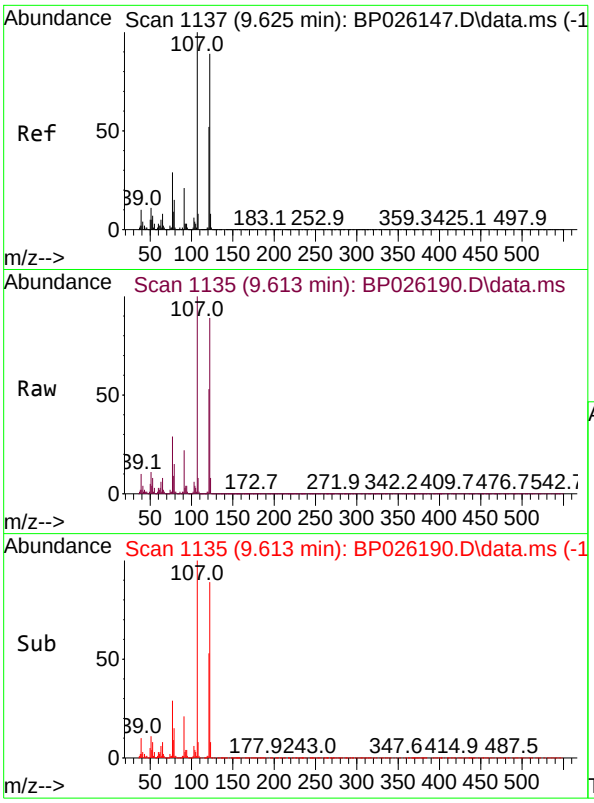


#26
2-Nitrophenol
Concen: 39.520 ng
RT: 9.543 min Scan# 1123
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:139 Resp: 392413

Ion	Ratio	Lower	Upper
139	100		
109	28.9	22.3	33.5
65	45.9	37.2	55.8



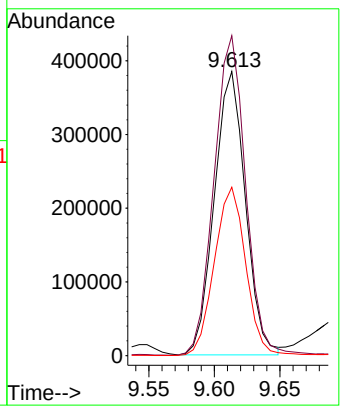


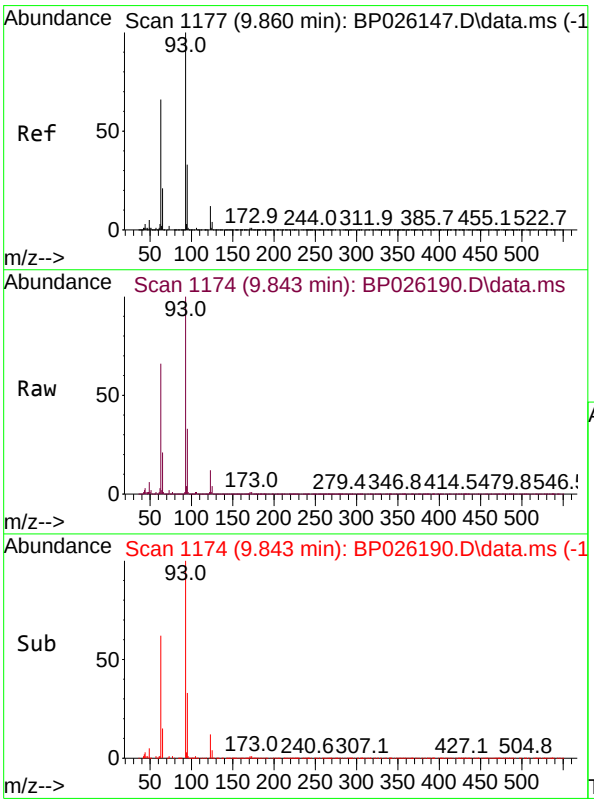
#27
2,4-Dimethylphenol
Concen: 35.401 ng
RT: 9.613 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 633851

Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.0	136.6
121	59.3	47.0	70.6

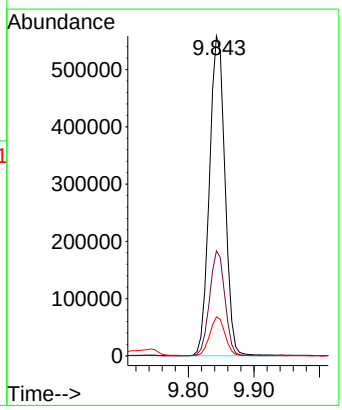


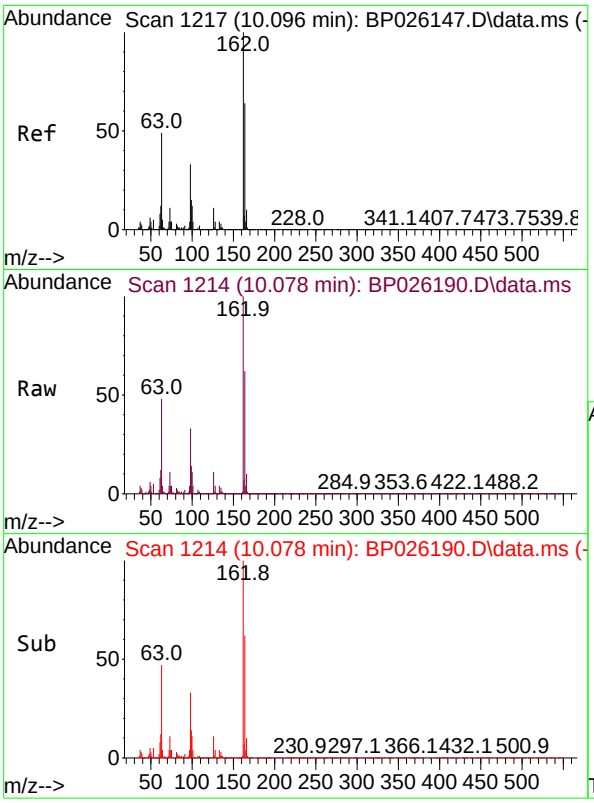


#28
bis(2-Chloroethoxy)methane
Concen: 38.166 ng
RT: 9.843 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 93 Resp: 919252

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.4	39.6
123	12.2	9.4	14.0



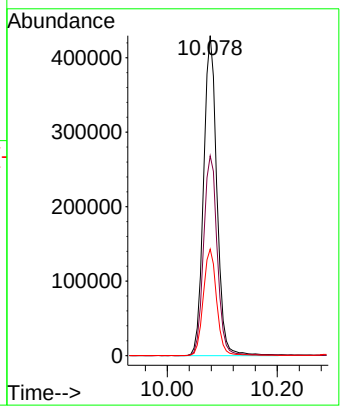


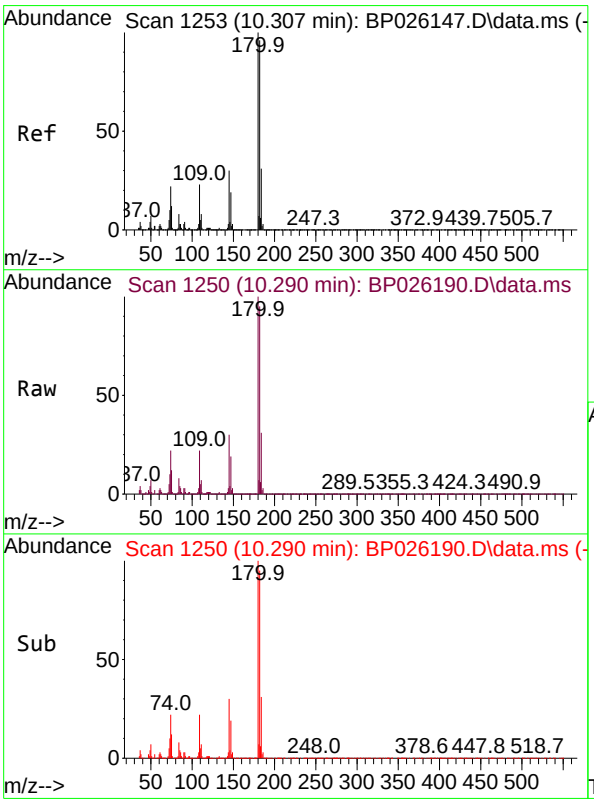
#29
2,4-Dichlorophenol
Concen: 40.248 ng
RT: 10.078 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 720254

Ion	Ratio	Lower	Upper
162	100		
164	62.4	43.8	83.8
98	33.3	14.1	54.1

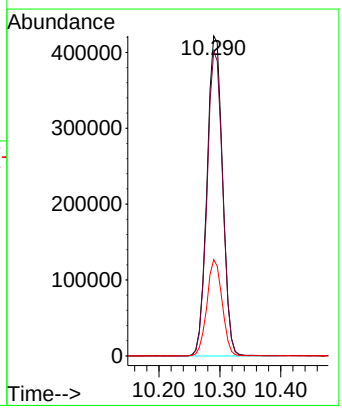


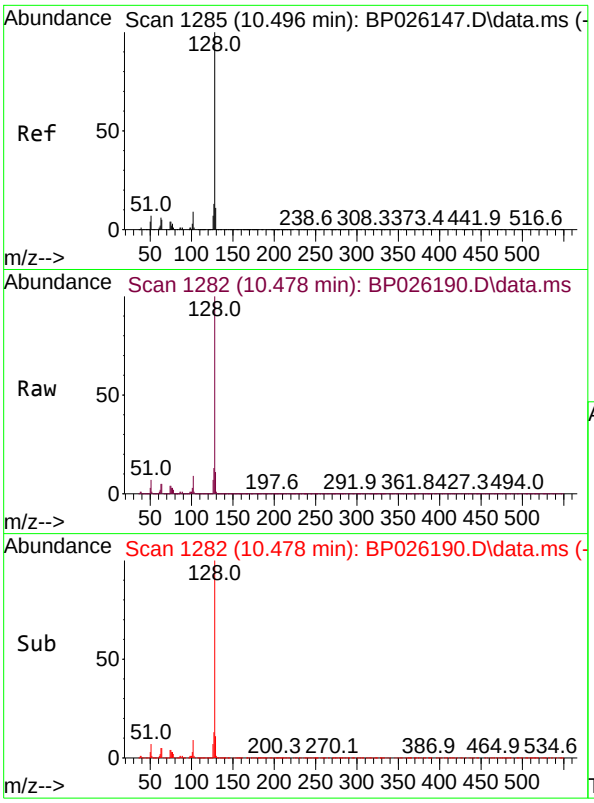


#30
1,2,4-Trichlorobenzene
Concen: 40.970 ng
RT: 10.290 min Scan# 1250
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:180 Resp: 746589

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.1	117.1
145	30.1	24.2	36.4



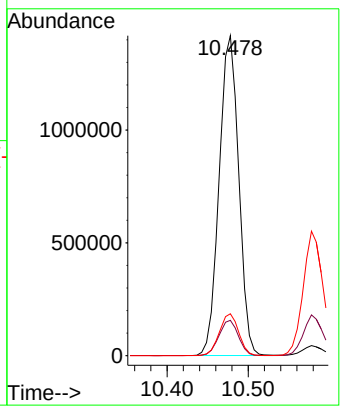


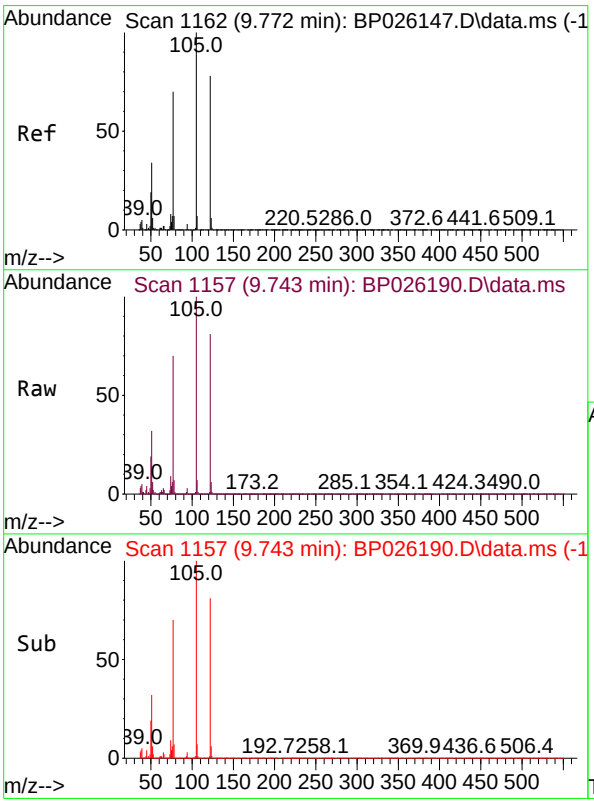
#31
Naphthalene
Concen: 39.846 ng
RT: 10.478 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2372932

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.2	15.4

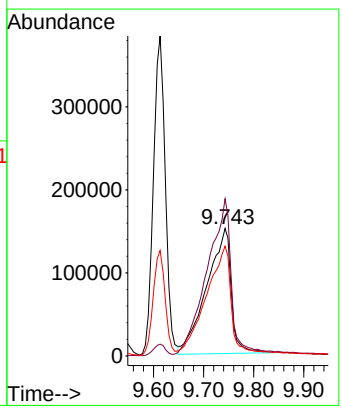


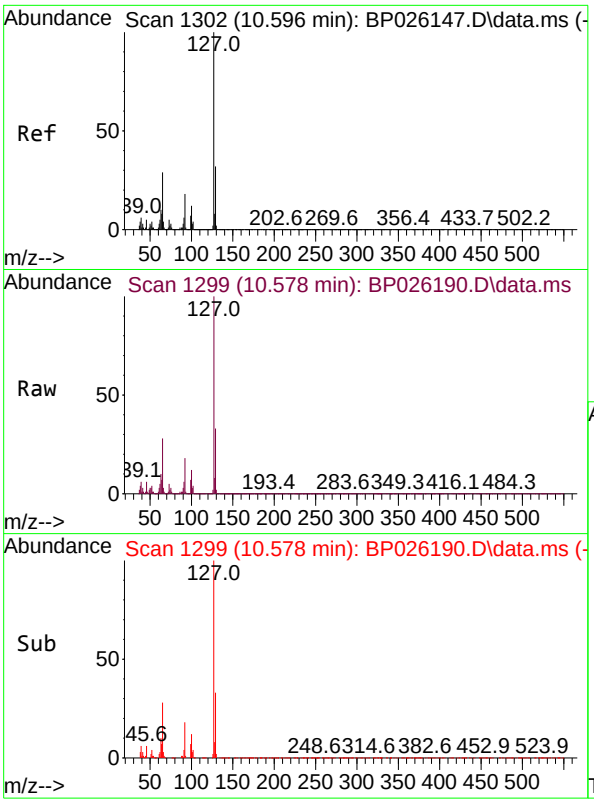


#32
Benzoic acid
Concen: 33.881 ng
RT: 9.743 min Scan# 1157
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:122 Resp: 510860

Ion	Ratio	Lower	Upper
122	100		
105	123.2	100.1	140.1
77	86.0	66.7	106.7



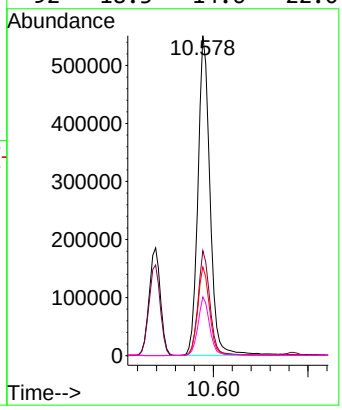


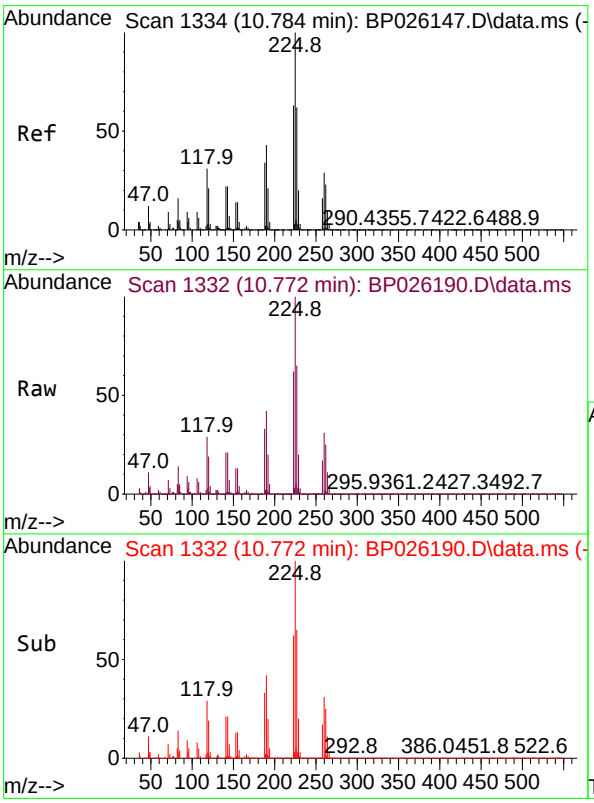
#33
4-Chloroaniline
Concen: 38.647 ng
RT: 10.578 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 978759

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.8
65	27.7	22.7	34.1
92	18.3	14.6	22.0

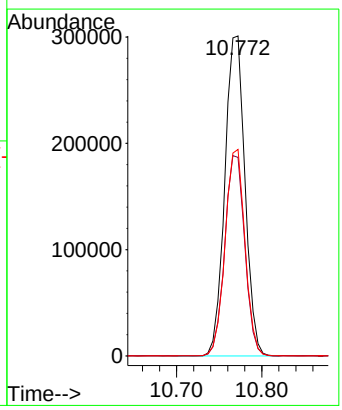


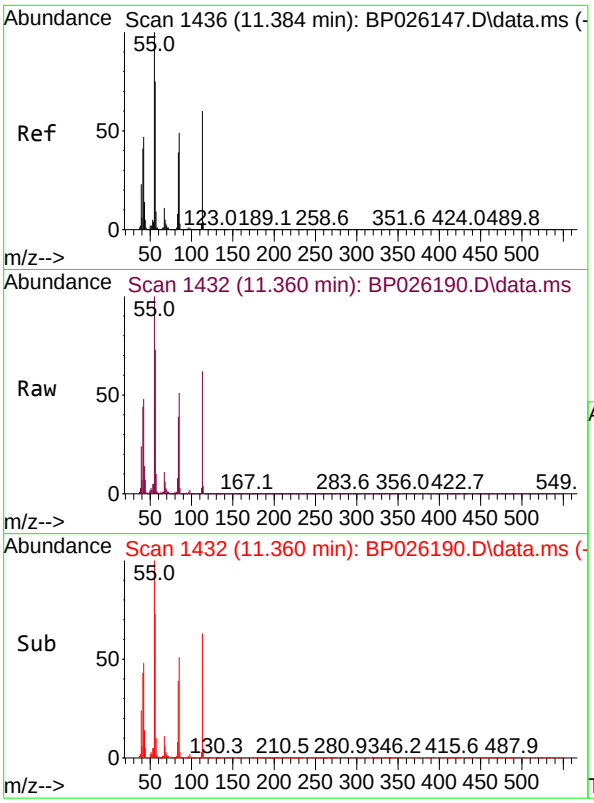


#34
Hexachlorobutadiene
Concen: 41.656 ng
RT: 10.772 min Scan# 1332
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:225 Resp: 493691

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	64.5	51.2	76.8



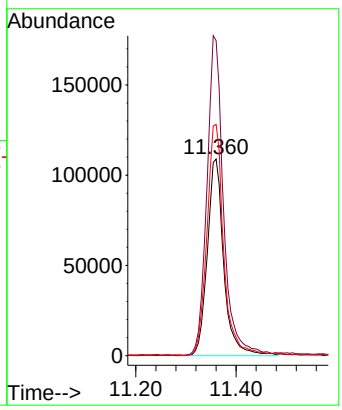


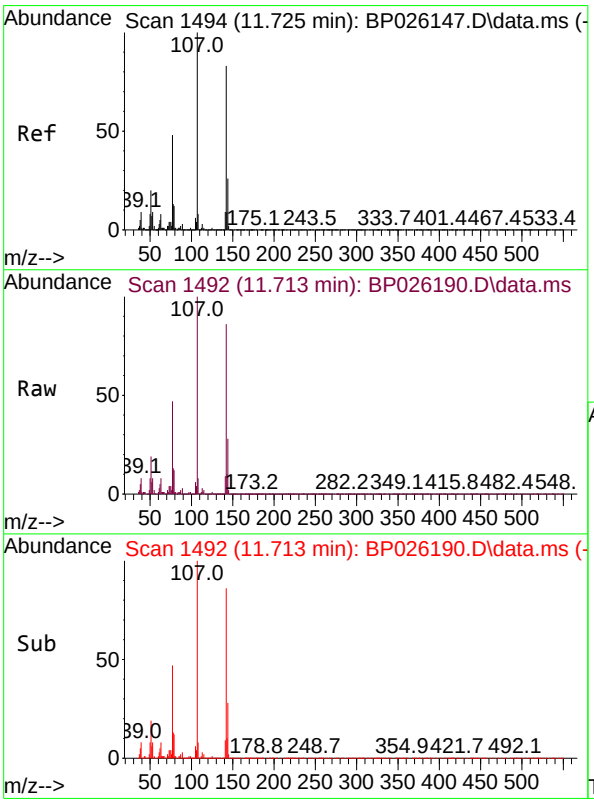
#35
Caprolactam
Concen: 38.718 ng
RT: 11.360 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 248100

Ion	Ratio	Lower	Upper
113	100		
55	160.2	153.0	193.0
56	117.5	106.4	146.4

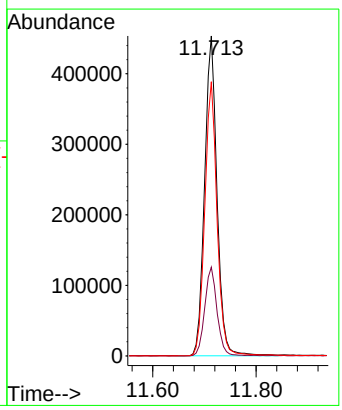


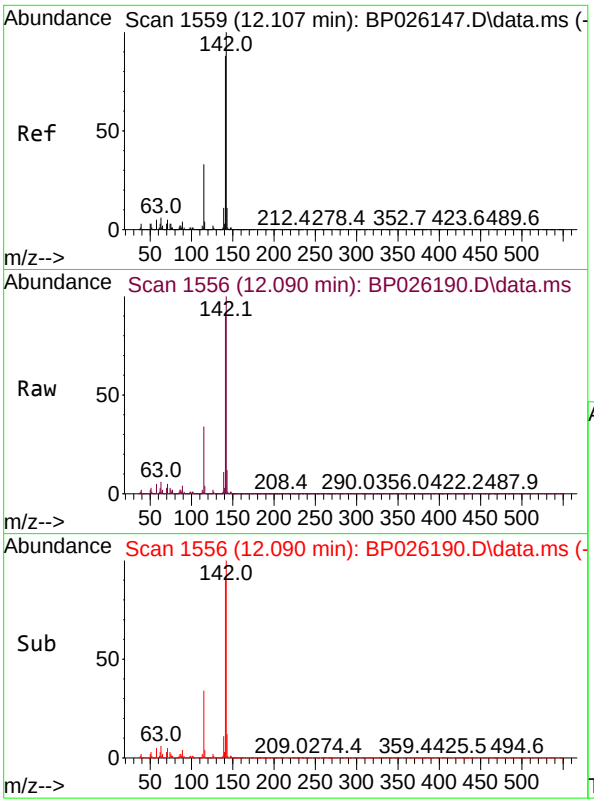


#36
4-Chloro-3-methylphenol
Concen: 39.714 ng
RT: 11.713 min Scan# 1492
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:107 Resp: 755363

Ion	Ratio	Lower	Upper
107	100		
144	27.7	21.6	32.4
142	85.7	65.6	98.4



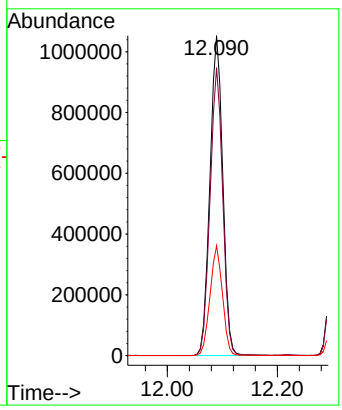


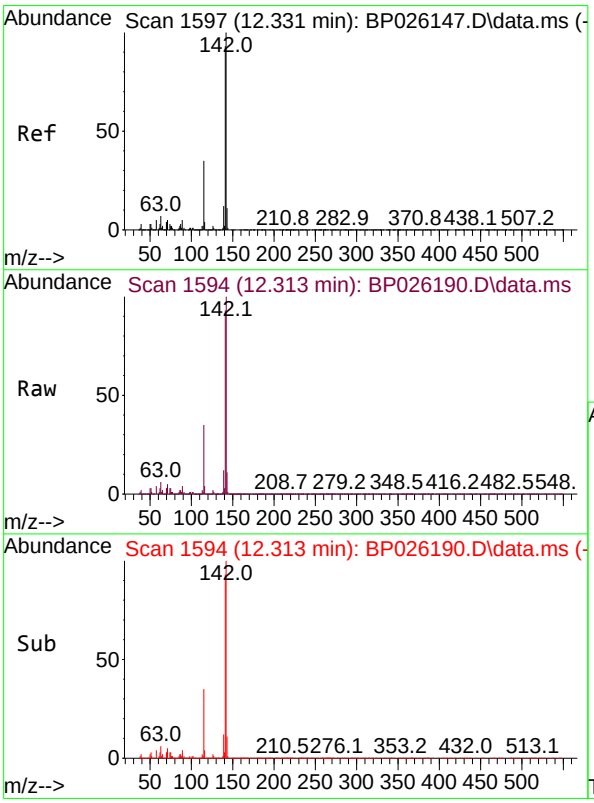
#37
2-Methylnaphthalene
Concen: 40.411 ng
RT: 12.090 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1706137

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	34.4	26.6	39.8

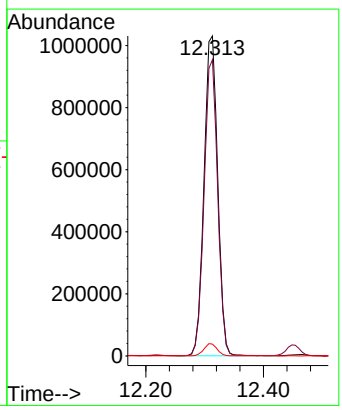


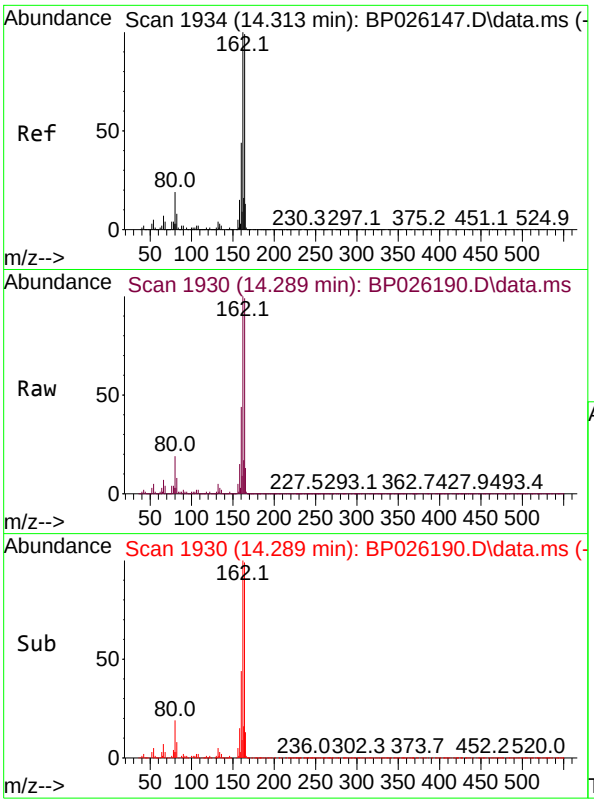


#38
1-Methylnaphthalene
Concen: 40.272 ng
RT: 12.313 min Scan# 1594
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:142 Resp: 1661885

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.5	110.3
116	3.7	3.0	4.4



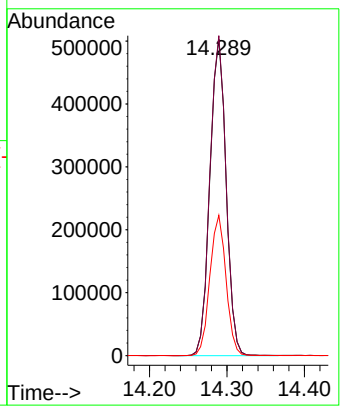


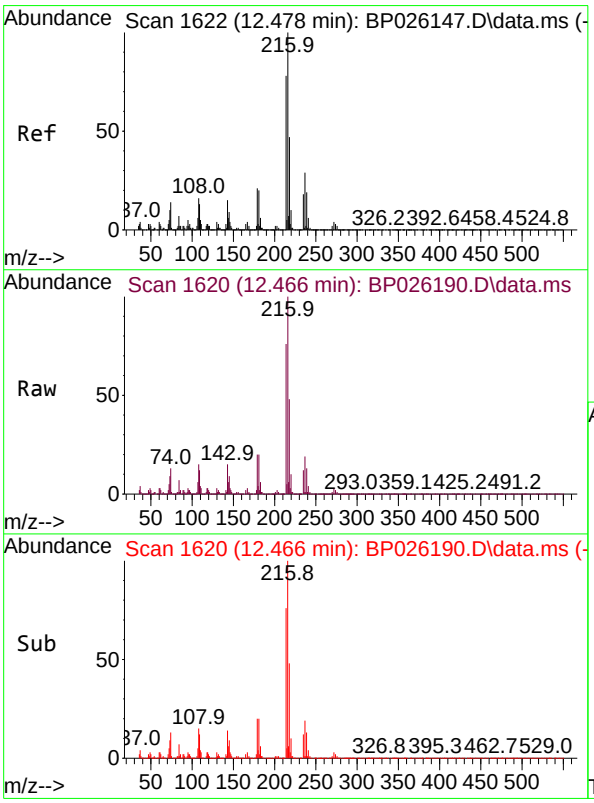
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.289 min Scan# 19
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 729934

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.3	120.5
160	44.3	35.2	52.8

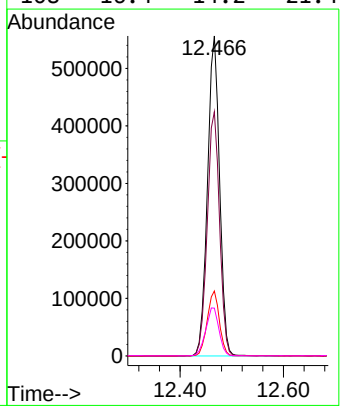


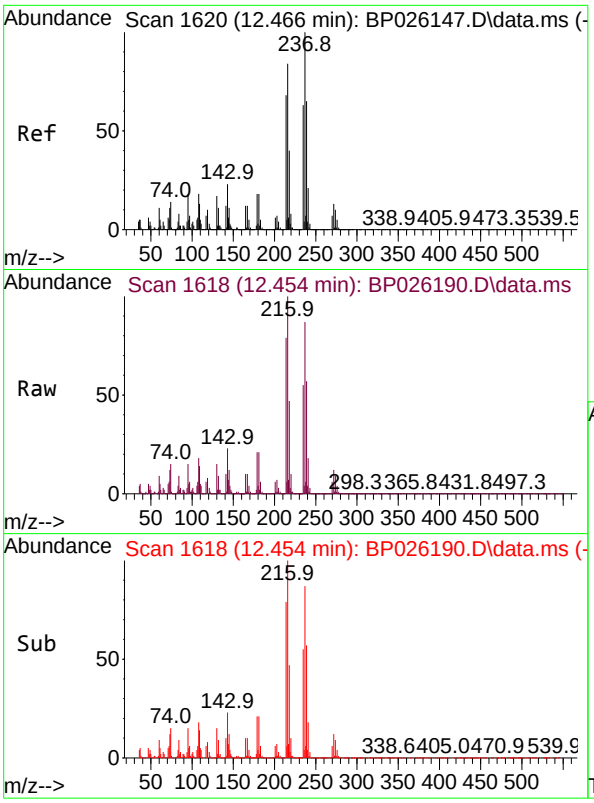


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.855 ng
RT: 12.466 min Scan# 1620
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:216 Resp: 901725

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.6	94.0
179	20.4	16.6	25.0
108	16.4	14.2	21.4



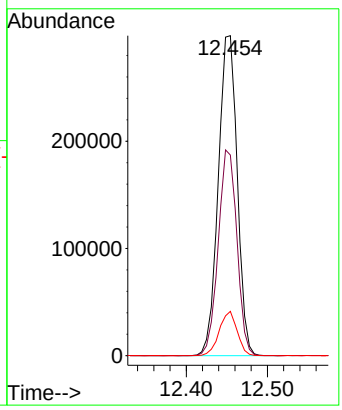


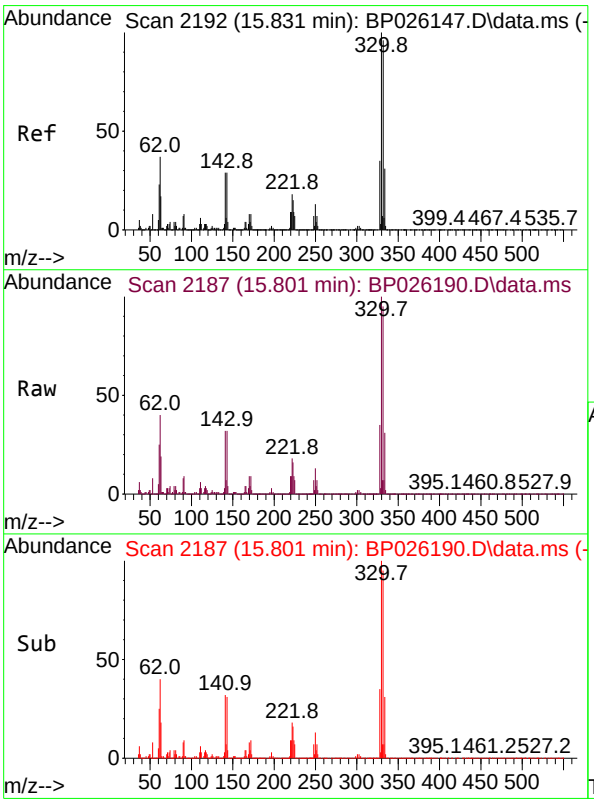
#41
Hexachlorocyclopentadiene
Concen: 33.460 ng
RT: 12.454 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 483317

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.3	83.3
272	13.8	0.0	32.9

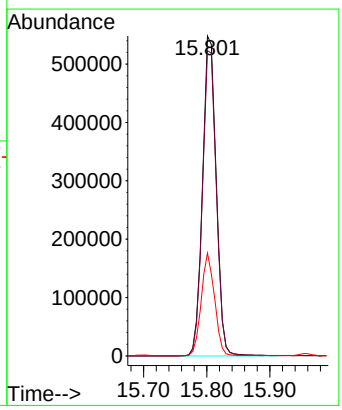


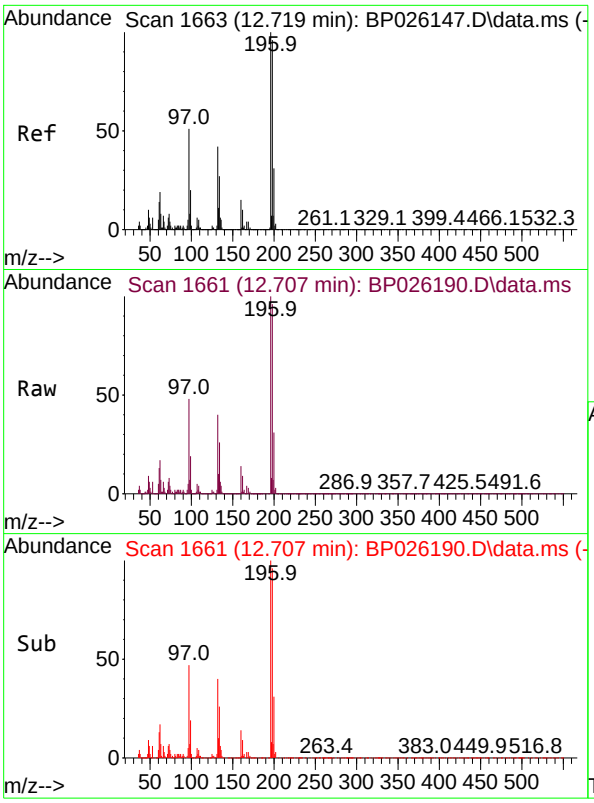


#42
2,4,6-Tribromophenol
Concen: 87.271 ng
RT: 15.801 min Scan# 2187
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:330 Resp: 826370

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	31.2	26.8	40.2



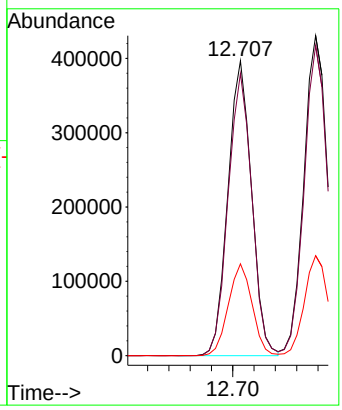


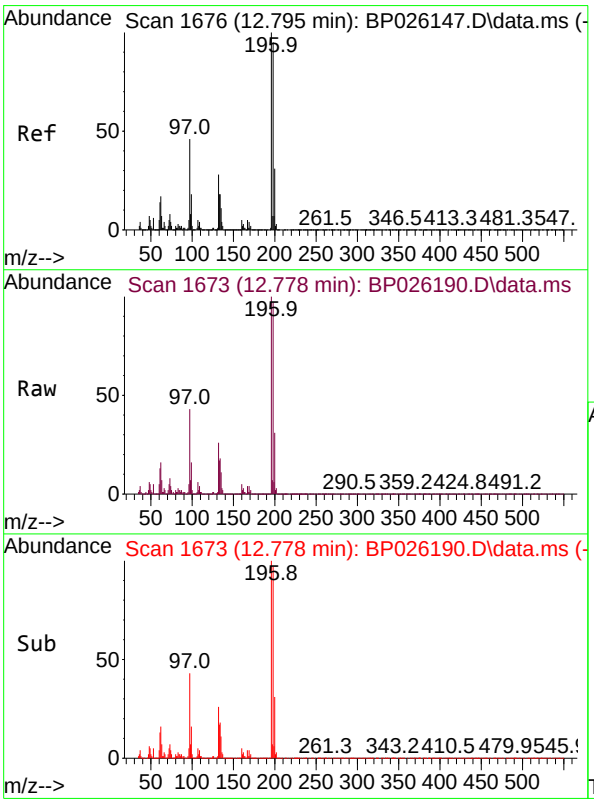
#43
2,4,6-Trichlorophenol
Concen: 40.449 ng
RT: 12.707 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 612040

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.9	115.3
200	31.1	24.6	37.0

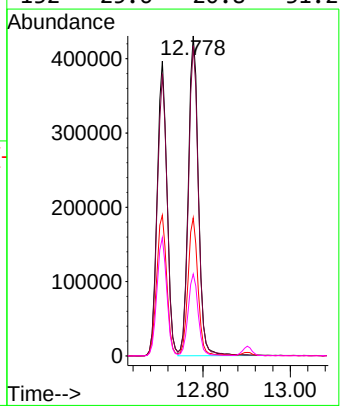


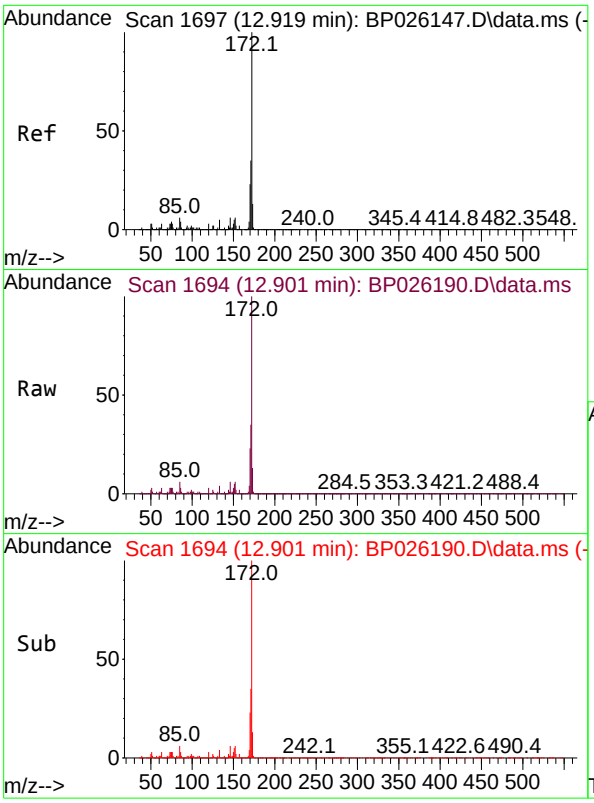


#44
2,4,5-Trichlorophenol
Concen: 41.124 ng
RT: 12.778 min Scan# 1673
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:196 Resp: 694591

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.4	114.6
97	43.1	35.7	53.5
132	25.6	20.8	31.2



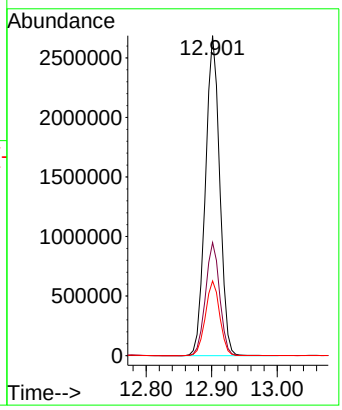


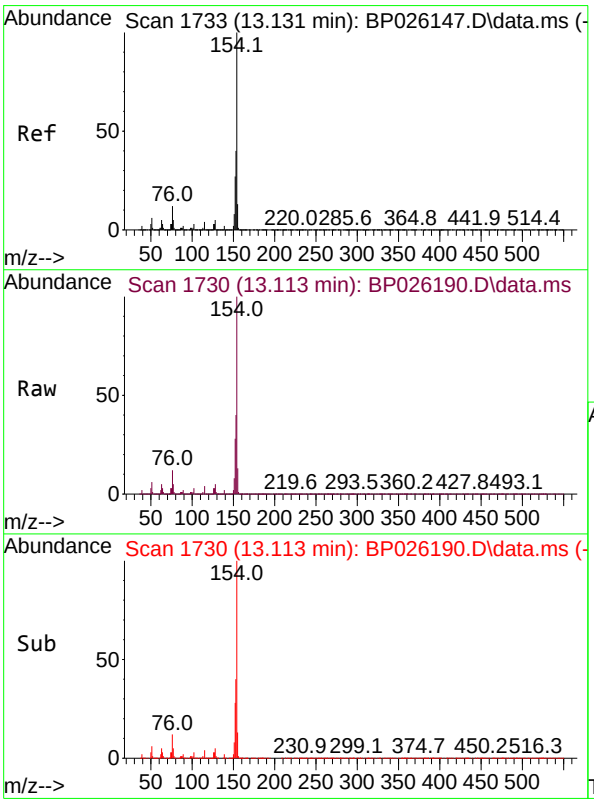
#45
2-Fluorobiphenyl
Concen: 81.419 ng
RT: 12.901 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4055063

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.3	18.7	28.1

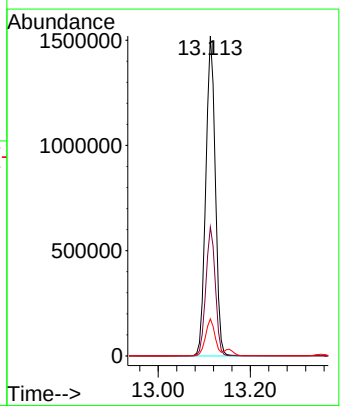


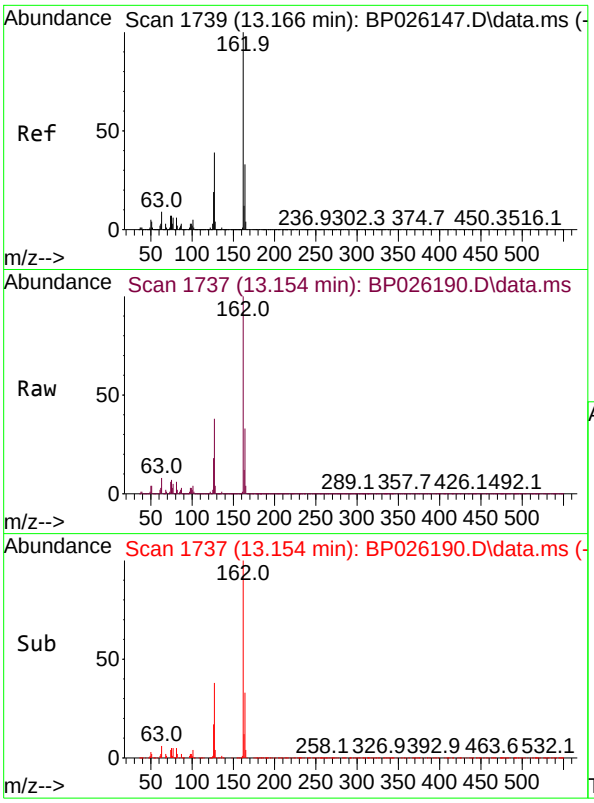


#46
1,1'-Biphenyl
Concen: 39.470 ng
RT: 13.113 min Scan# 1730
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:154 Resp: 2169418

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	11.6	0.0	32.3



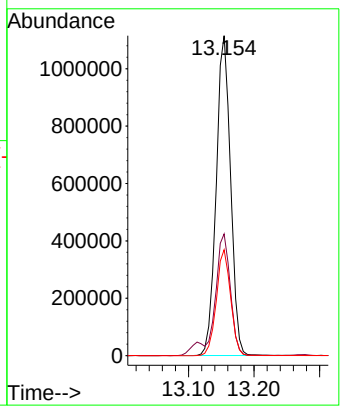


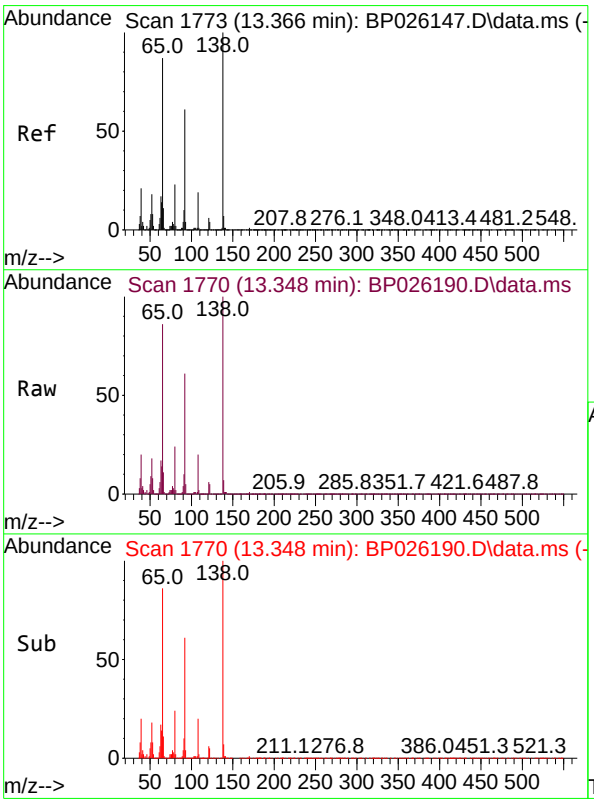
#47
2-Chloronaphthalene
Concen: 39.383 ng
RT: 13.154 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1702157

Ion	Ratio	Lower	Upper
162	100		
127	38.0	30.9	46.3
164	33.1	26.4	39.6

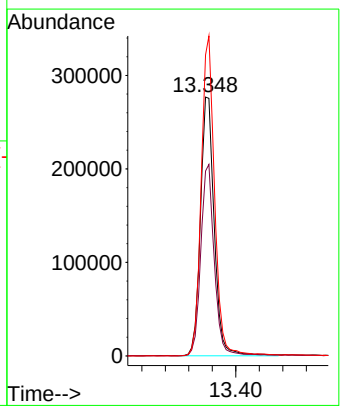


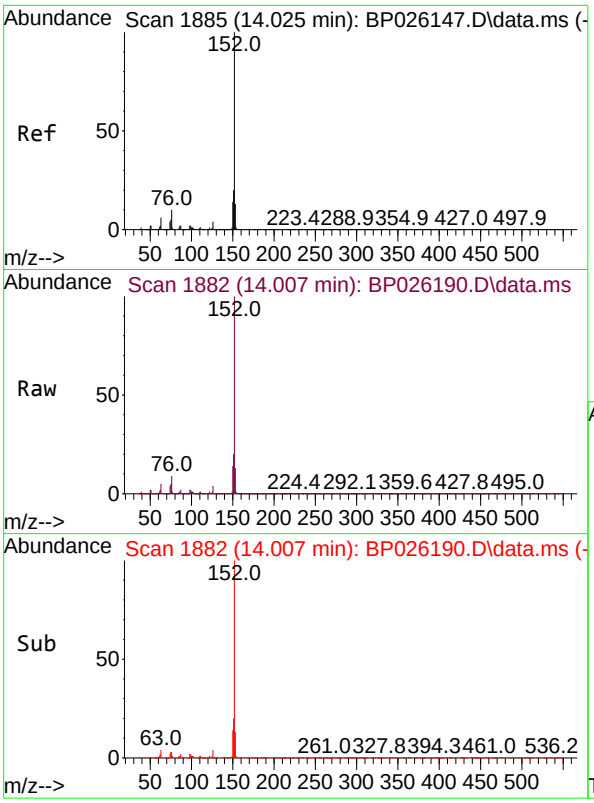


#48
2-Nitroaniline
Concen: 37.522 ng
RT: 13.348 min Scan# 1770
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion: 65 Resp: 450973

Ion	Ratio	Lower	Upper
65	100		
92	71.4	59.1	88.7
138	116.3	96.6	145.0



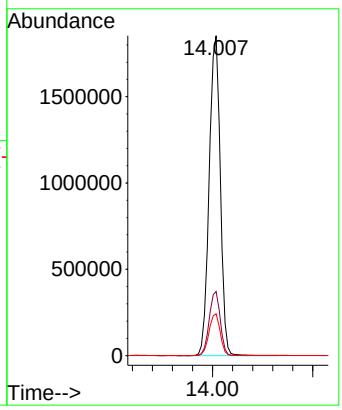


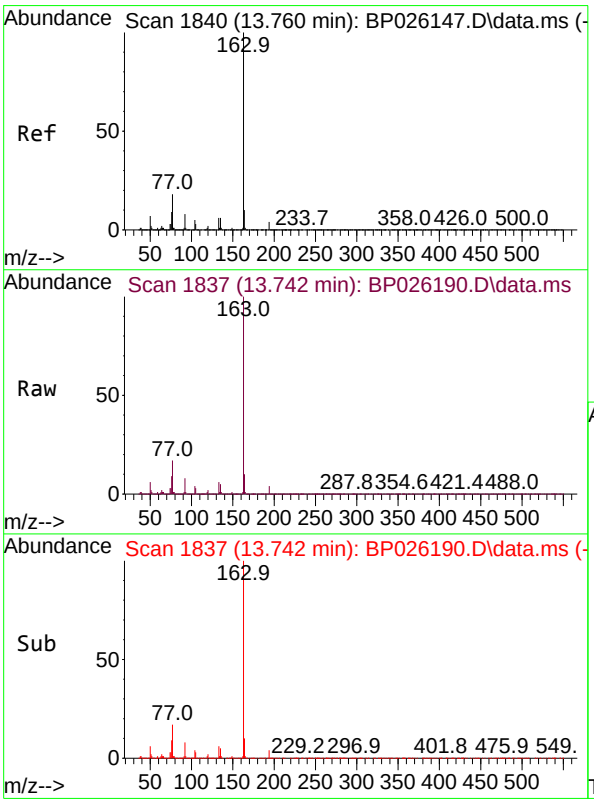
#49
Acenaphthylene
Concen: 39.825 ng
RT: 14.007 min Scan# 18
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2839199

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.1	10.6	16.0

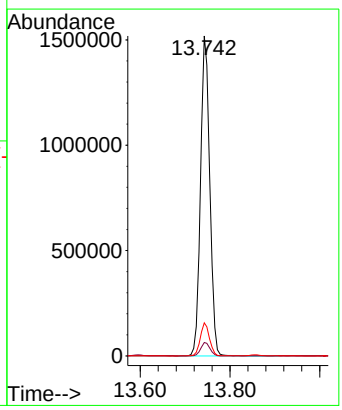


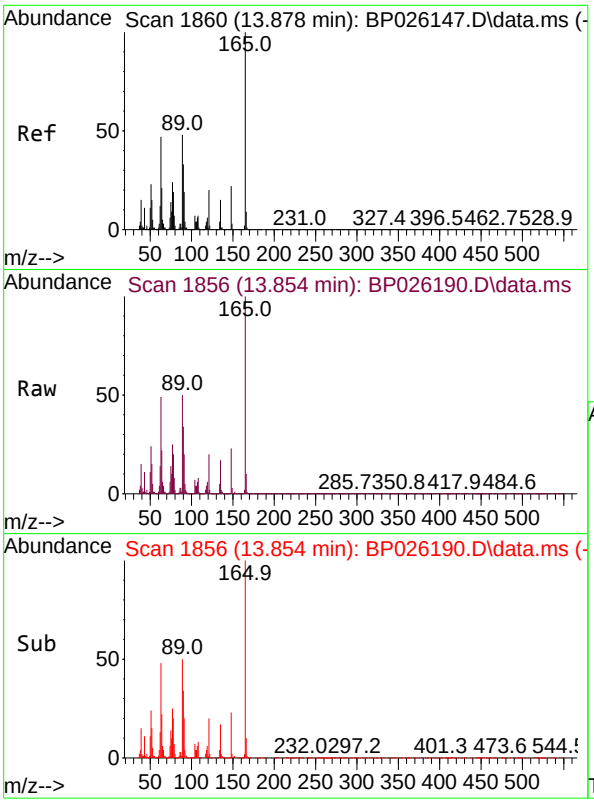


#50
Dimethylphthalate
Concen: 39.727 ng
RT: 13.742 min Scan# 1837
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:163 Resp: 2165861

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.3	8.2	12.2



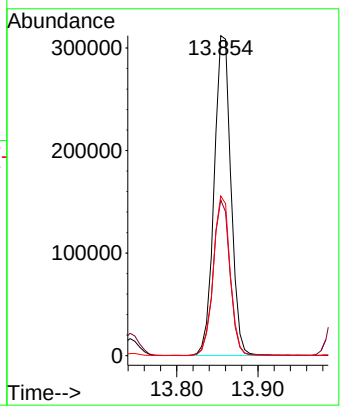


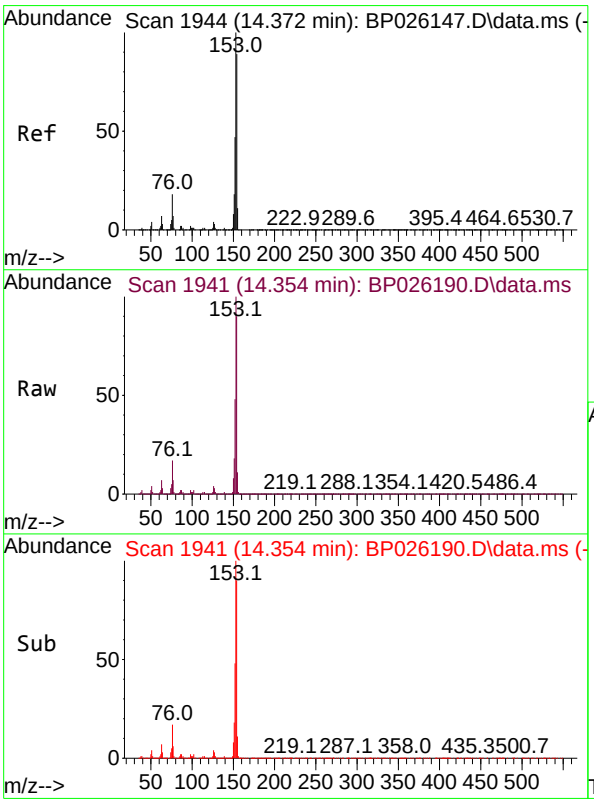
#51
2,6-Dinitrotoluene
Concen: 41.338 ng
RT: 13.854 min Scan# 18
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 446556

Ion	Ratio	Lower	Upper
165	100		
63	48.6	40.5	60.7
89	49.9	41.3	61.9

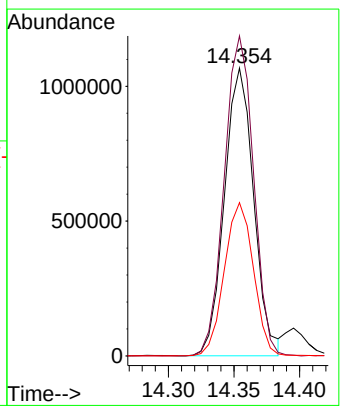


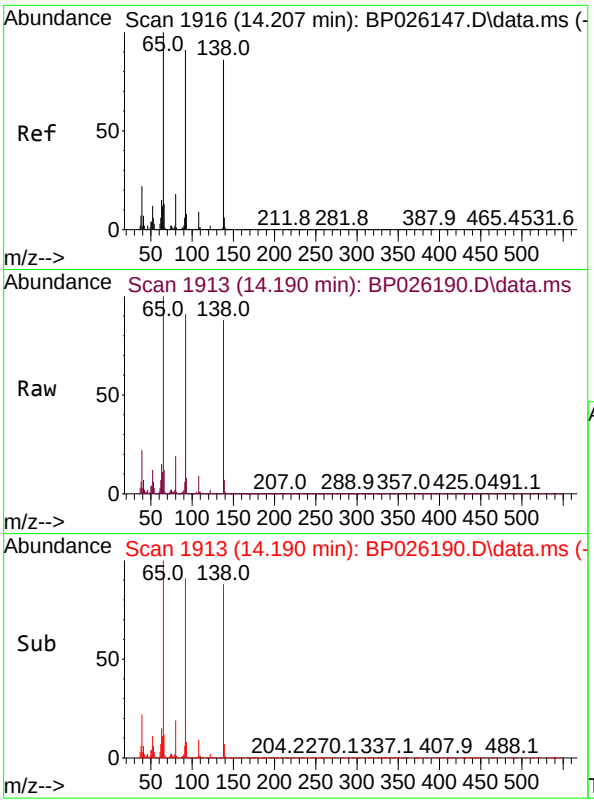


#52
Acenaphthene
Concen: 39.764 ng
RT: 14.354 min Scan# 1941
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:154 Resp: 1661341

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.7	136.1
152	53.3	42.8	64.2



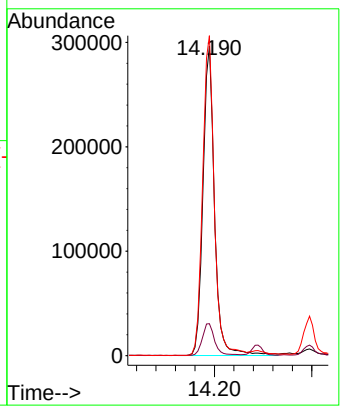


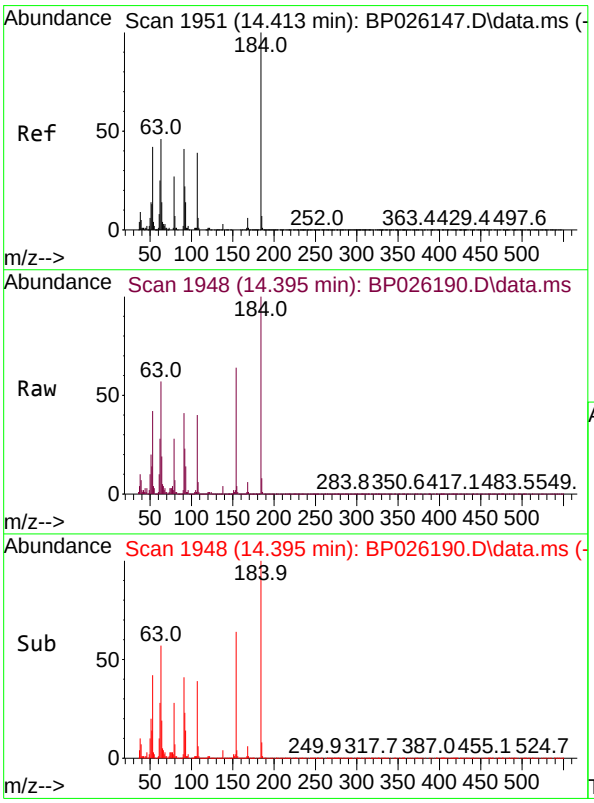
#53
3-Nitroaniline
Concen: 38.439 ng
RT: 14.190 min Scan# 19
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 488917

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.9	13.3
92	103.4	86.3	129.5

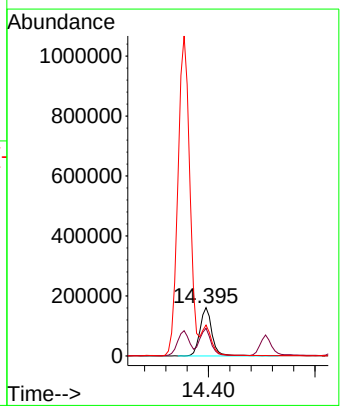


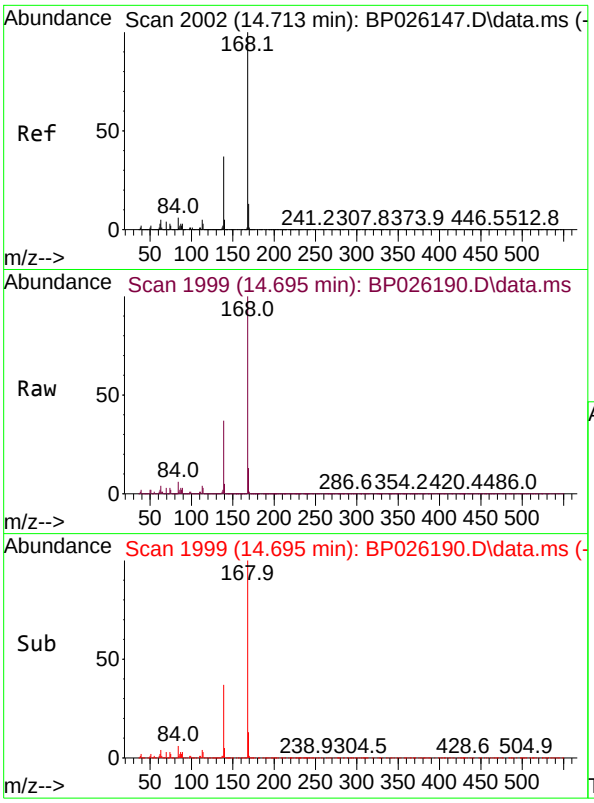


#54
2,4-Dinitrophenol
Concen: 38.476 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:184 Resp: 250898

Ion	Ratio	Lower	Upper
184	100		
63	57.2	43.1	64.7
154	63.9	49.5	74.3



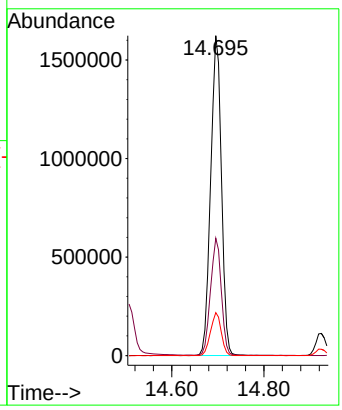


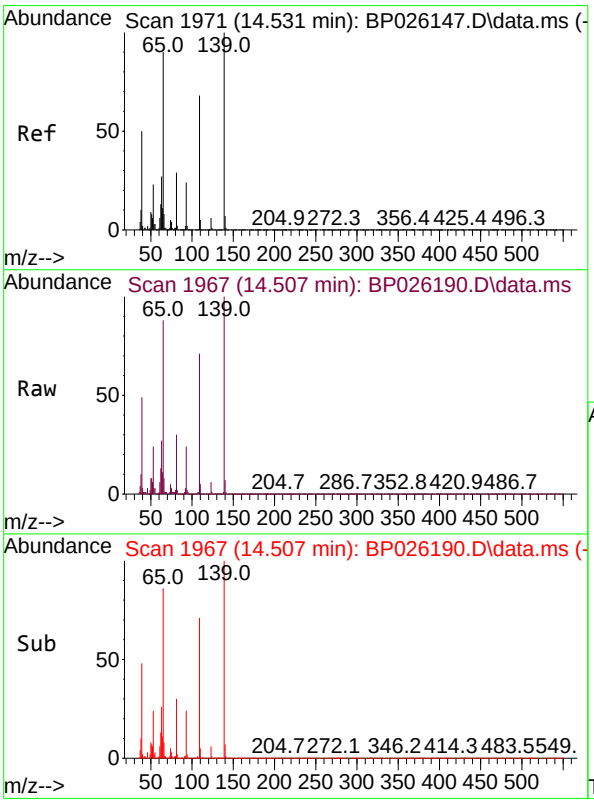
#55
Dibenzofuran
Concen: 40.551 ng
RT: 14.695 min Scan# 19
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2624031

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.8	44.6
169	13.4	10.9	16.3

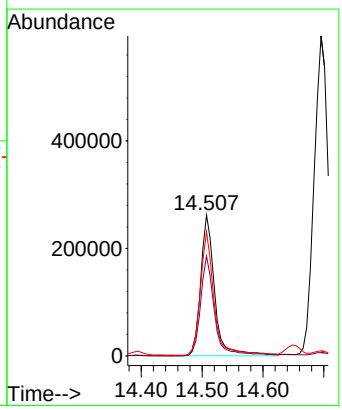


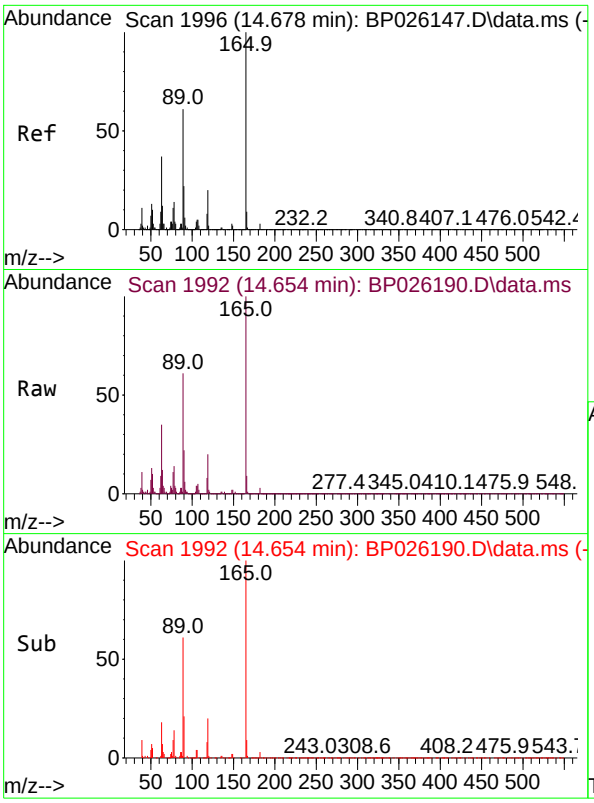


#56
4-Nitrophenol
Concen: 36.400 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:139 Resp: 418838

Ion	Ratio	Lower	Upper
139	100		
109	71.0	46.8	86.8
65	88.2	69.3	109.3



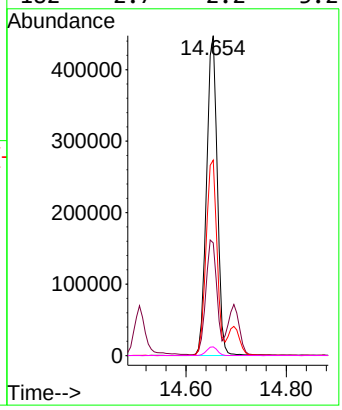


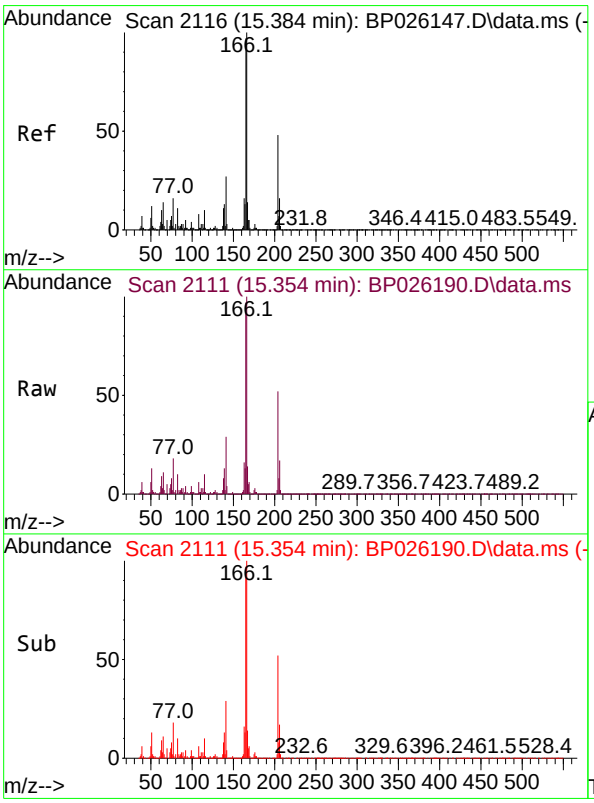
#57
2,4-Dinitrotoluene
Concen: 41.321 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 666504

Ion	Ratio	Lower	Upper
165	100		
63	35.2	31.0	46.6
89	61.1	51.7	77.5
182	2.7	2.2	3.2

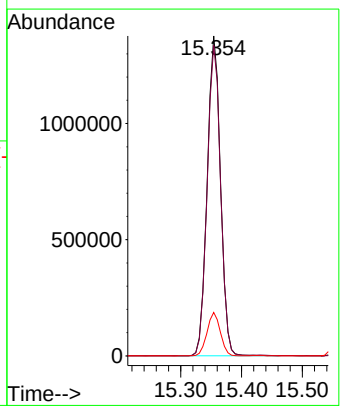


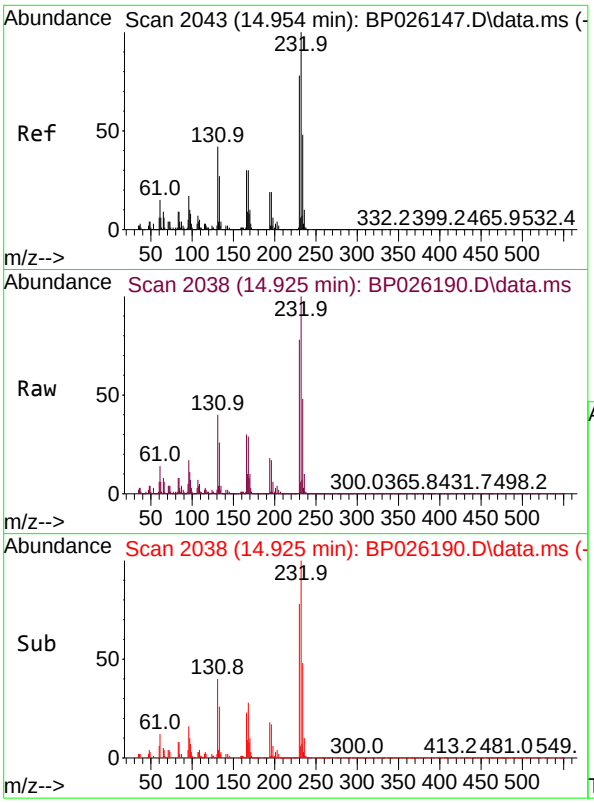


#58
Fluorene
Concen: 40.906 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:166 Resp: 2092220

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.9	116.9
167	13.6	11.0	16.4



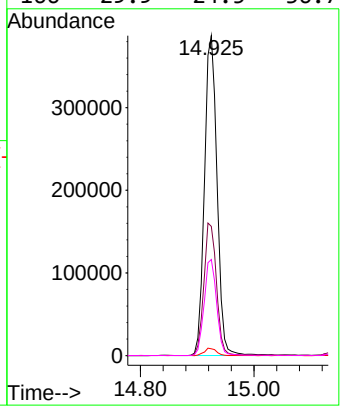


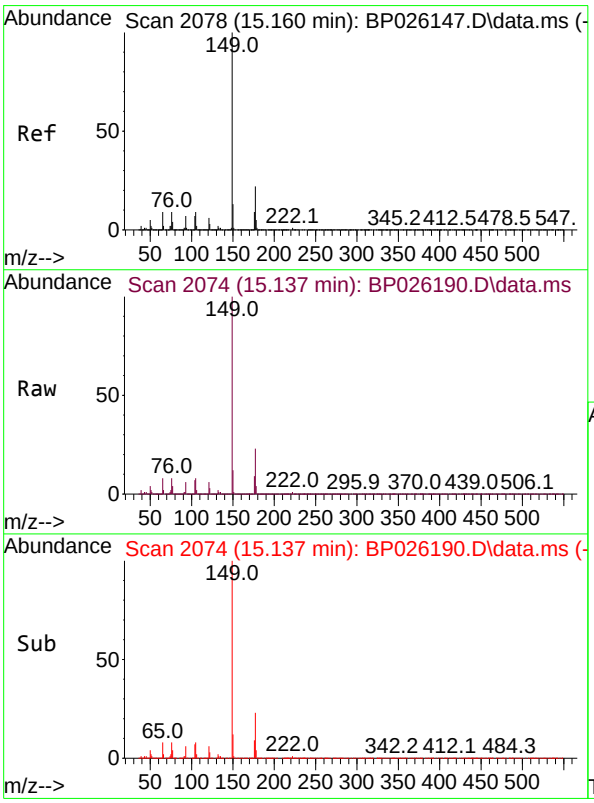
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.708 ng
RT: 14.925 min Scan# 20
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 597629

Ion	Ratio	Lower	Upper
232	100		
131	41.5	34.8	52.2
130	2.2	1.8	2.8
166	29.9	24.5	36.7

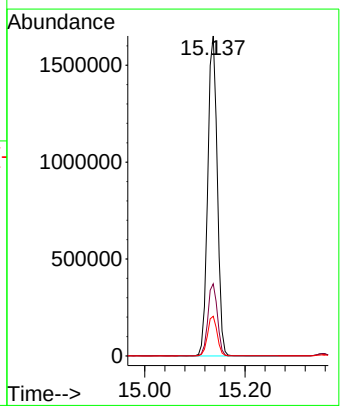


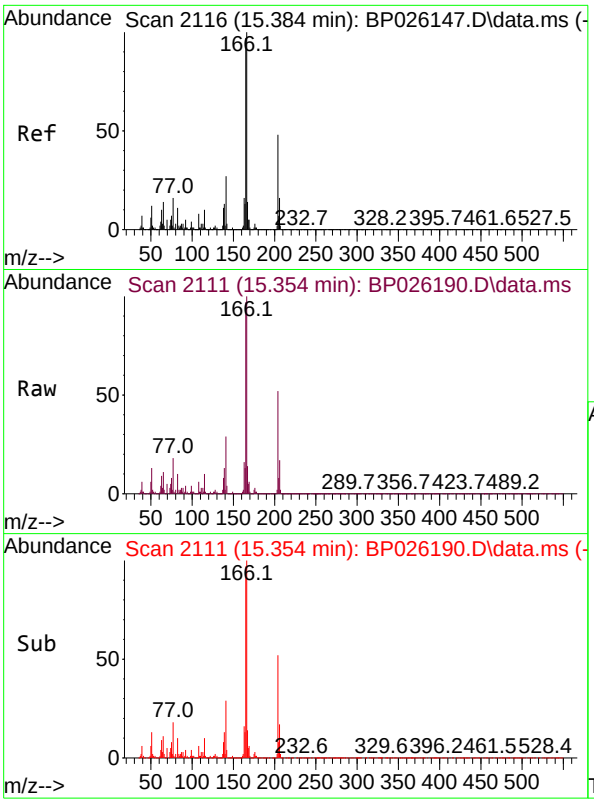


#60
Diethylphthalate
Concen: 39.588 ng
RT: 15.137 min Scan# 2074
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:149 Resp: 2174197

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.4	9.9	14.9



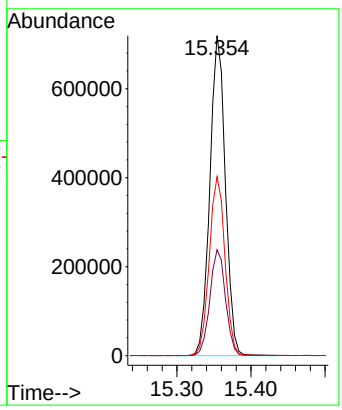


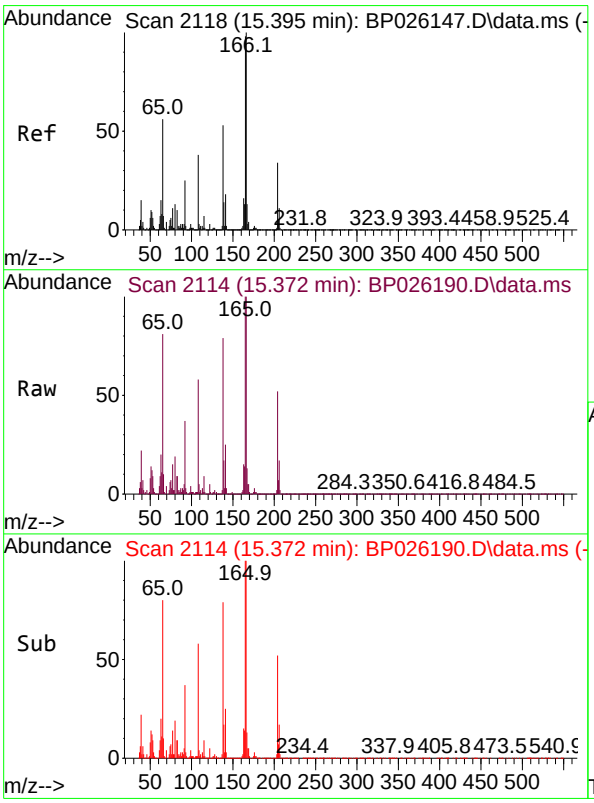
#61
4-Chlorophenyl-phenylether
Concen: 41.145 ng
RT: 15.354 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1047106

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	56.0	48.1	72.1

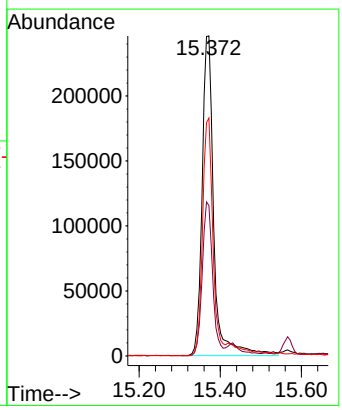


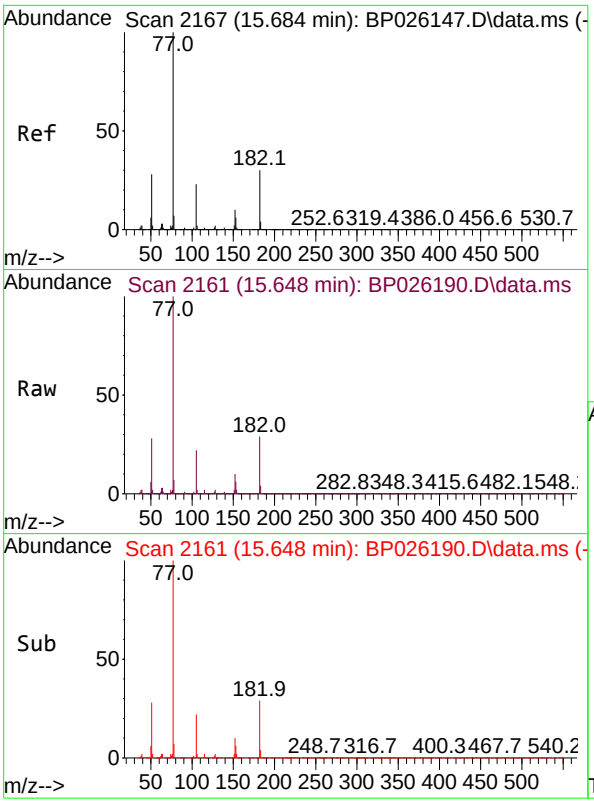


#62
4-Nitroaniline
Concen: 37.250 ng
RT: 15.372 min Scan# 2114
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:138 Resp: 491993

Ion	Ratio	Lower	Upper
138	100		
92	47.0	27.5	67.5
108	74.4	51.1	91.1



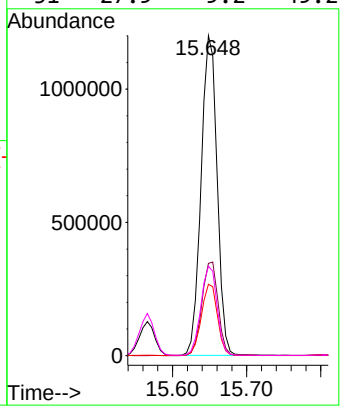


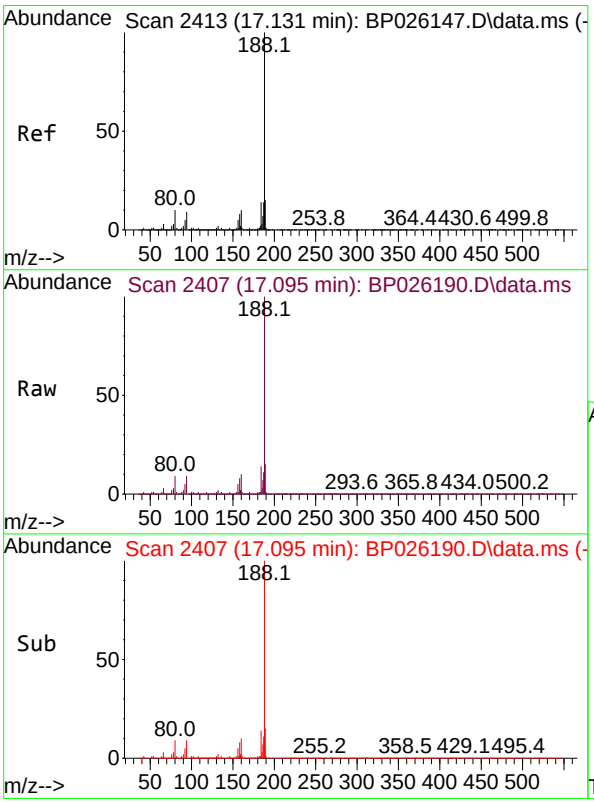
#63
Azobenzene
Concen: 38.915 ng
RT: 15.648 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1802077

Ion	Ratio	Lower	Upper
77	100		
182	28.8	8.8	48.8
105	22.3	2.6	42.6
51	27.9	9.2	49.2

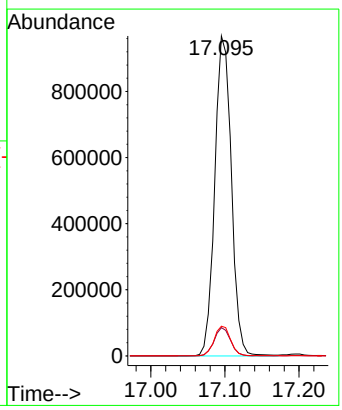


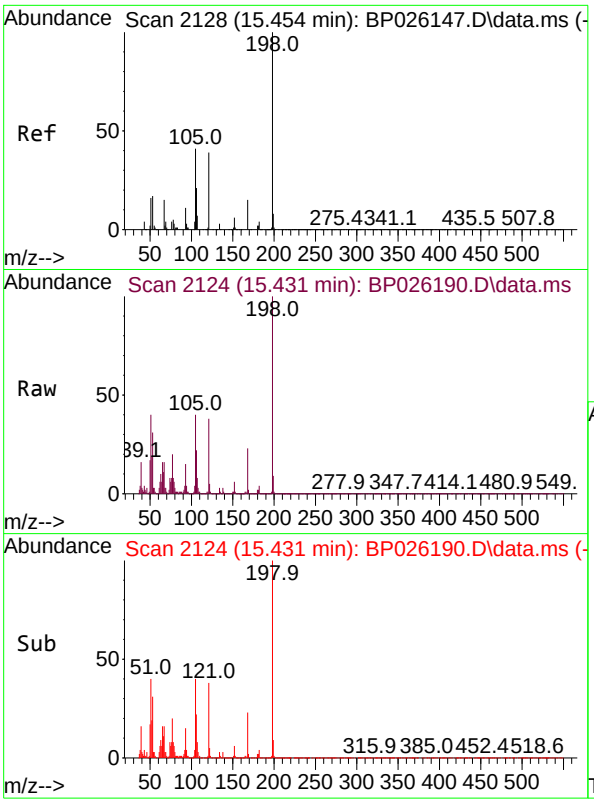


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:188 Resp: 1501838

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.8	11.6
80	9.3	8.2	12.2



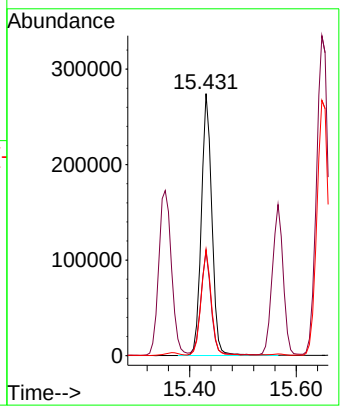


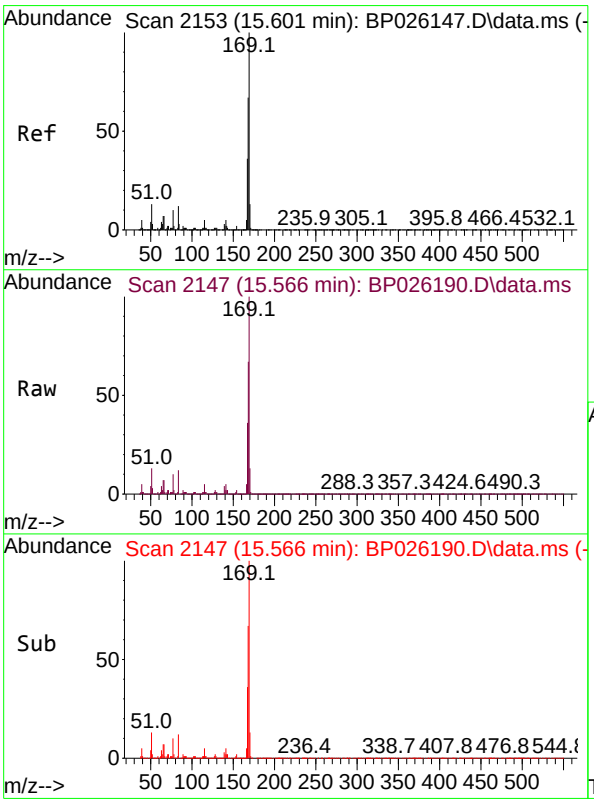
#65
4,6-Dinitro-2-methylphenol
Concen: 39.438 ng
RT: 15.431 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 376279

Ion	Ratio	Lower	Upper
198	100		
51	39.9	18.4	58.4
105	40.4	18.5	58.5

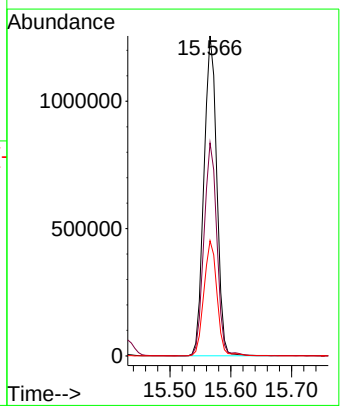


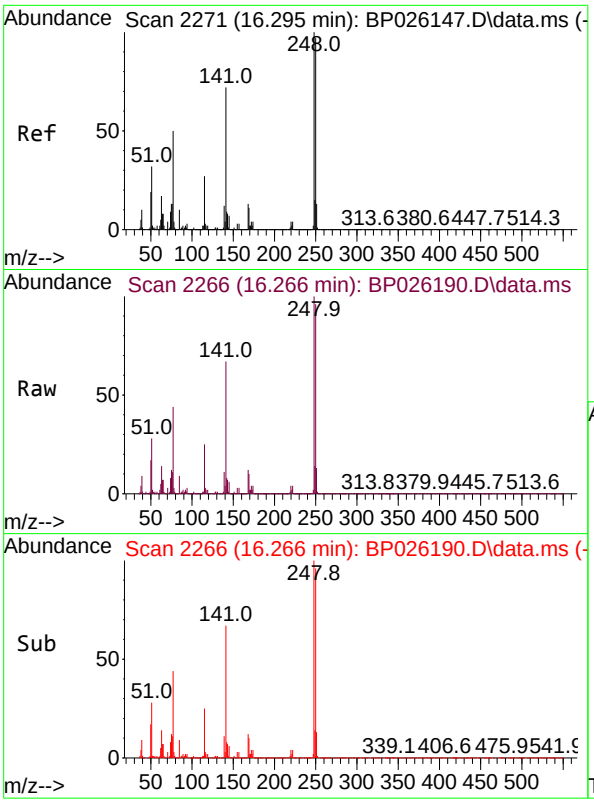


#66
n-Nitrosodiphenylamine
Concen: 39.653 ng
RT: 15.566 min Scan# 2147
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:169 Resp: 1842181

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.1	79.7
167	36.0	28.9	43.3



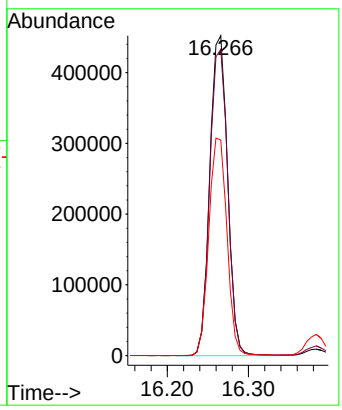


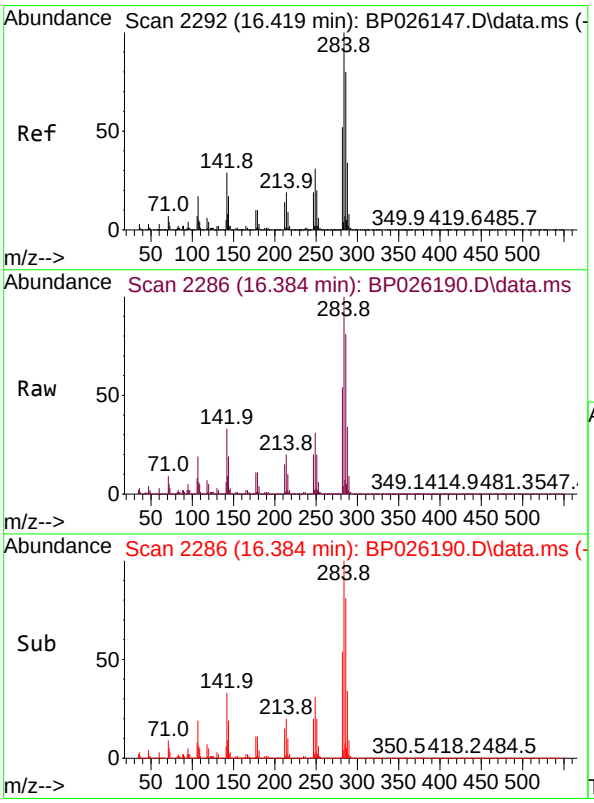
#67
4-Bromophenyl-phenylether
Concen: 41.382 ng
RT: 16.266 min Scan# 2
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 688291

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.8	116.6
141	67.4	55.4	83.0

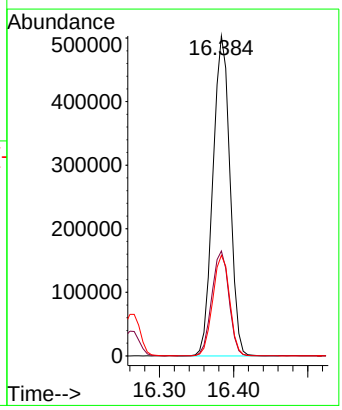


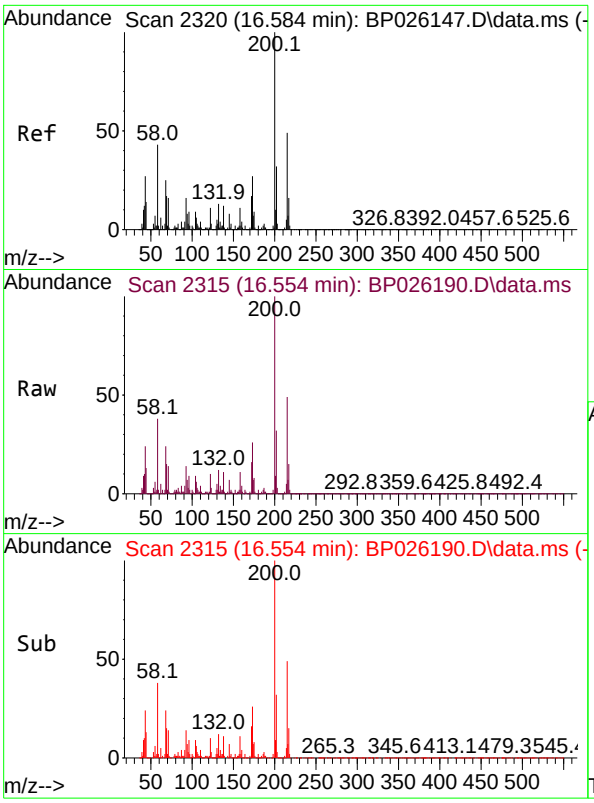


#68
Hexachlorobenzene
Concen: 41.599 ng
RT: 16.384 min Scan# 2286
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:284 Resp: 802858

Ion	Ratio	Lower	Upper
284	100		
142	32.8	28.0	42.0
249	31.4	25.0	37.4



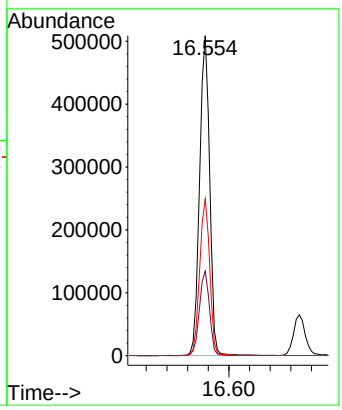


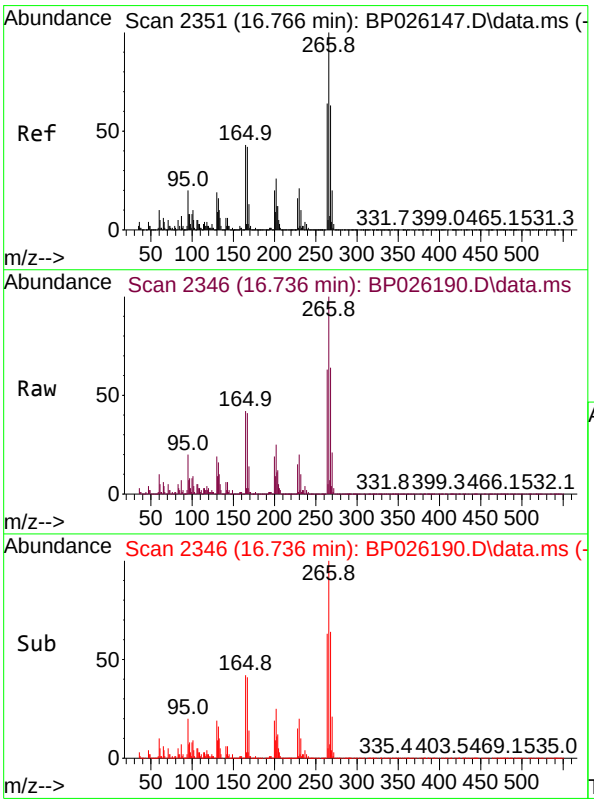
#69
Atrazine
Concen: 39.304 ng
RT: 16.554 min Scan# 2
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 688566

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	48.9	27.4	67.4

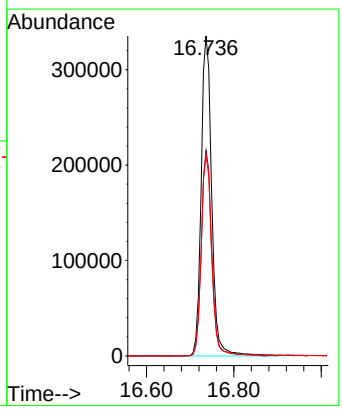


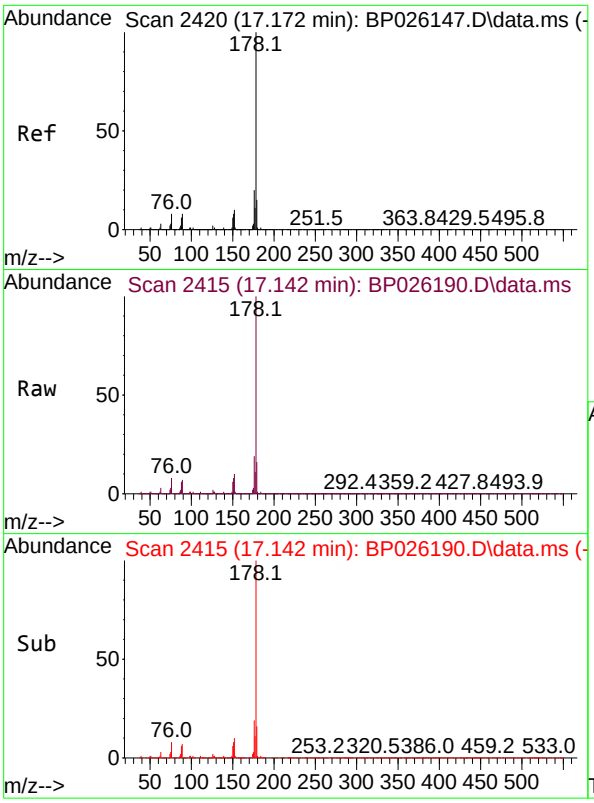


#70
Pentachlorophenol
Concen: 41.163 ng
RT: 16.736 min Scan# 2346
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:266 Resp: 555725

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.4
264	62.5	50.2	75.2



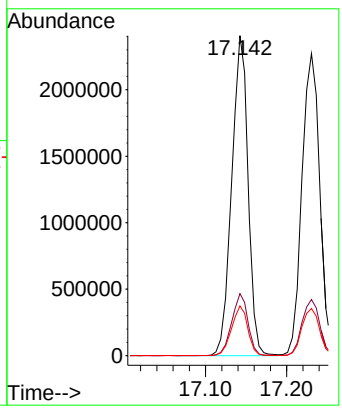


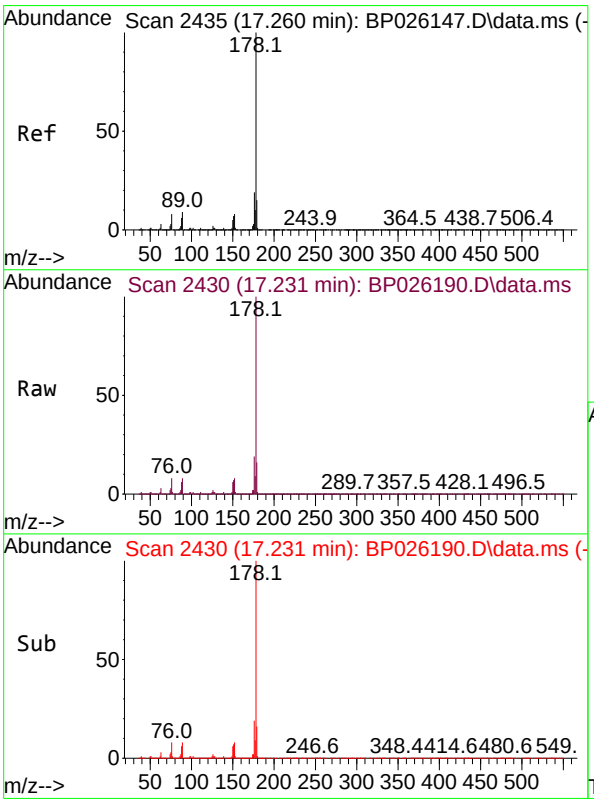
#71
Phenanthrene
Concen: 39.799 ng
RT: 17.142 min Scan# 24
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3367094

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.4	18.6

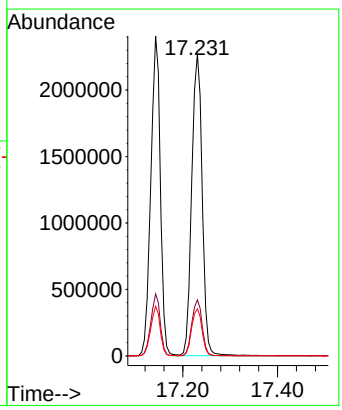


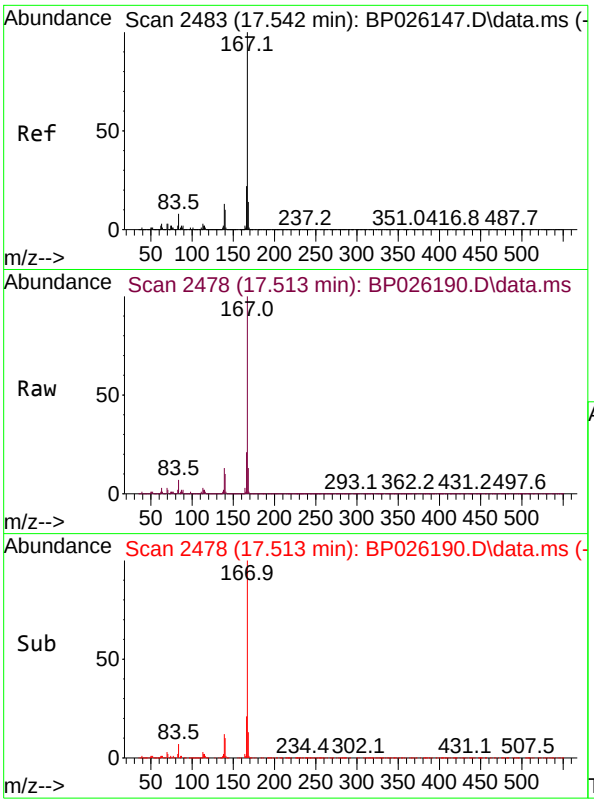


#72
Anthracene
Concen: 40.378 ng
RT: 17.231 min Scan# 2430
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:178 Resp: 3484195

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	12.2	18.4



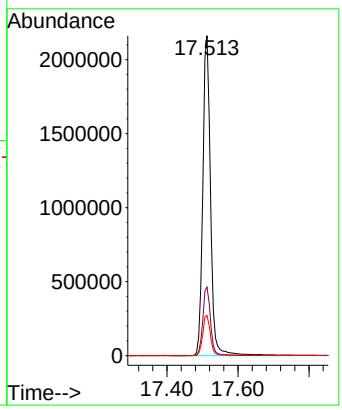


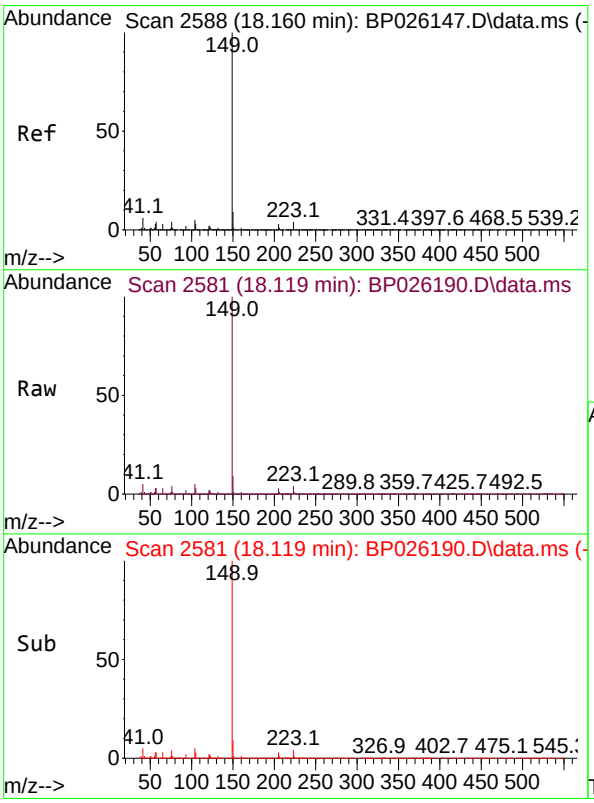
#73
Carbazole
Concen: 39.386 ng
RT: 17.513 min Scan# 24
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3227979

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	10.2	15.4

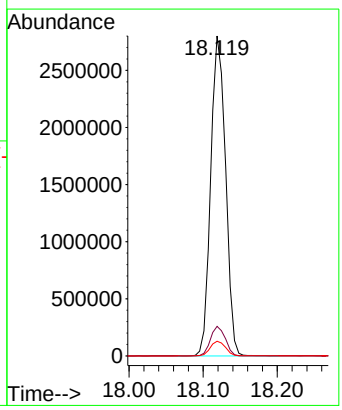


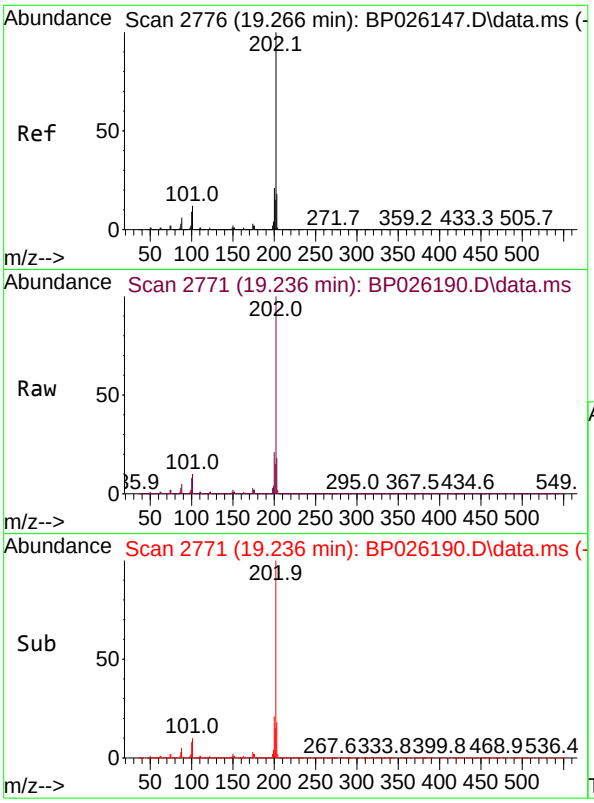


#74
Di-n-butylphthalate
Concen: 40.204 ng
RT: 18.119 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:149 Resp: 3906329

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.6	3.6	5.4



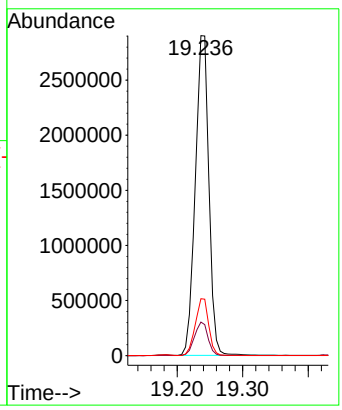


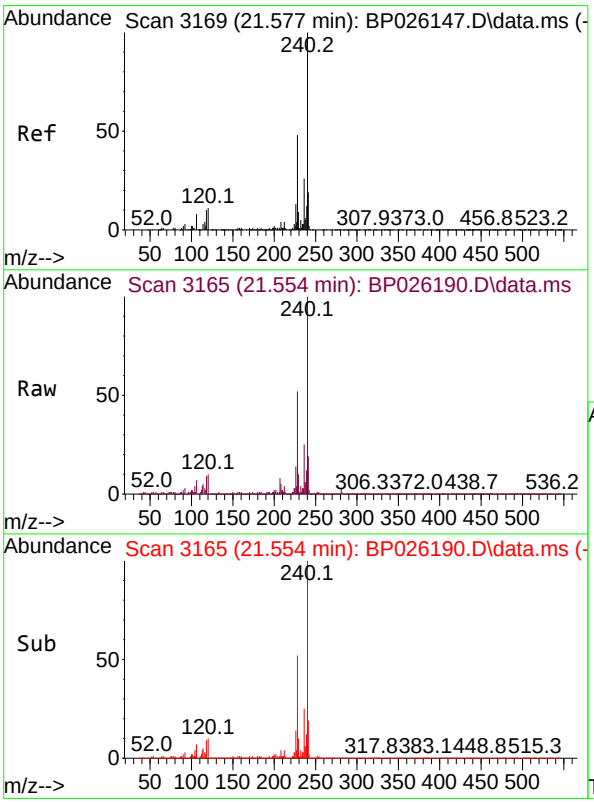
#75
Fluoranthene
Concen: 40.445 ng
RT: 19.236 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 4157376

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.2
203	17.8	0.0	37.7

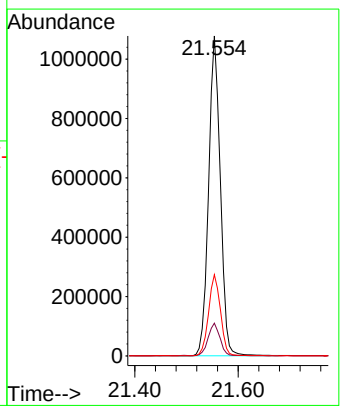


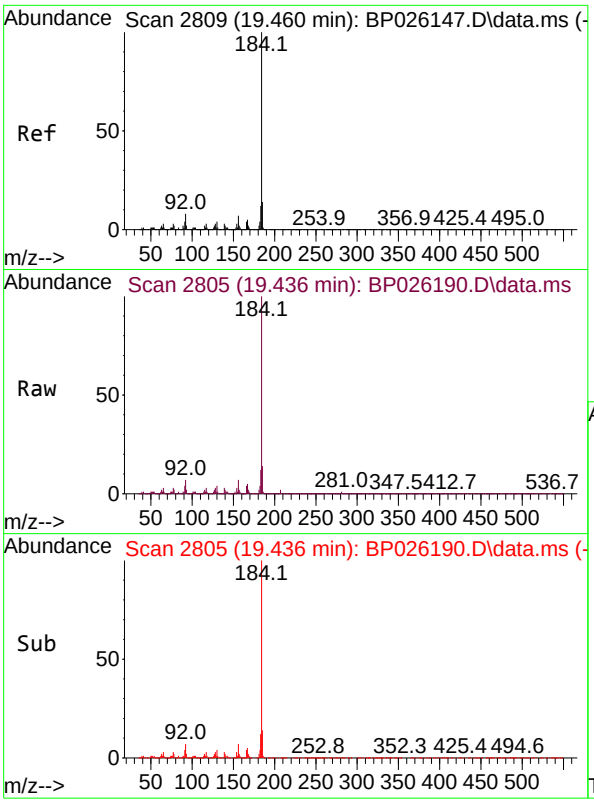


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:240 Resp: 1698646

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.0	13.4
236	25.4	20.4	30.6



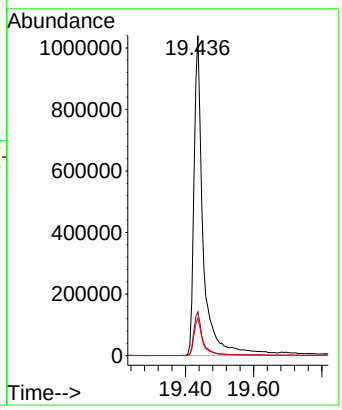


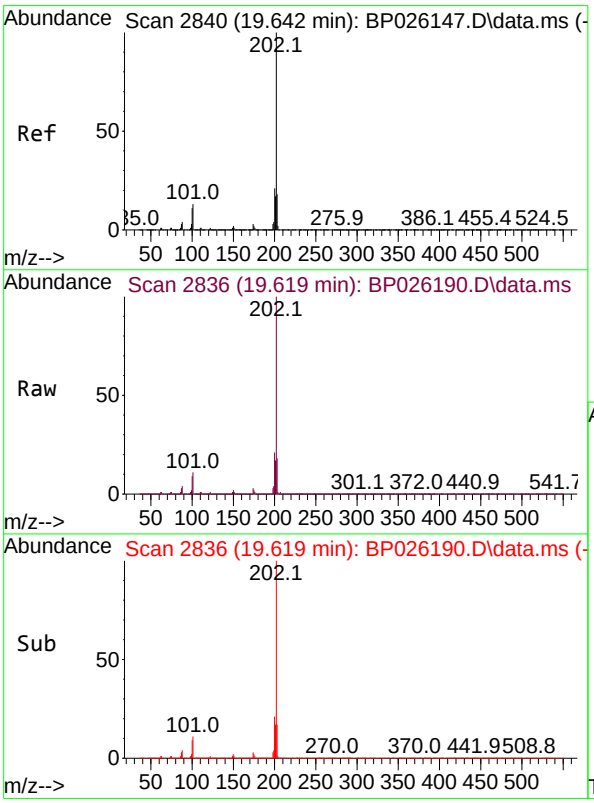
#77
Benzidine
Concen: 36.195 ng
RT: 19.436 min Scan# 28
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1951189

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.3	16.9
183	11.7	9.0	13.6

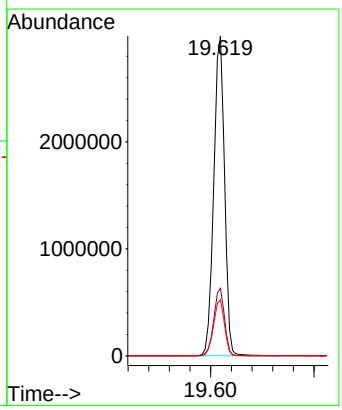


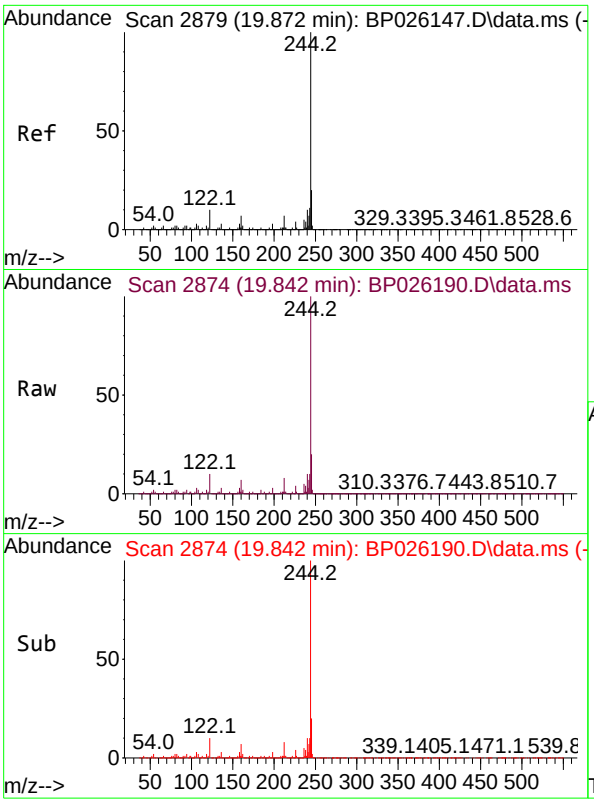


#78
Pyrene
Concen: 38.873 ng
RT: 19.619 min Scan# 2836
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:202 Resp: 4329577

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.5	13.8	20.8



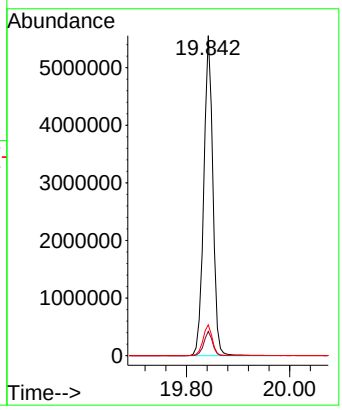


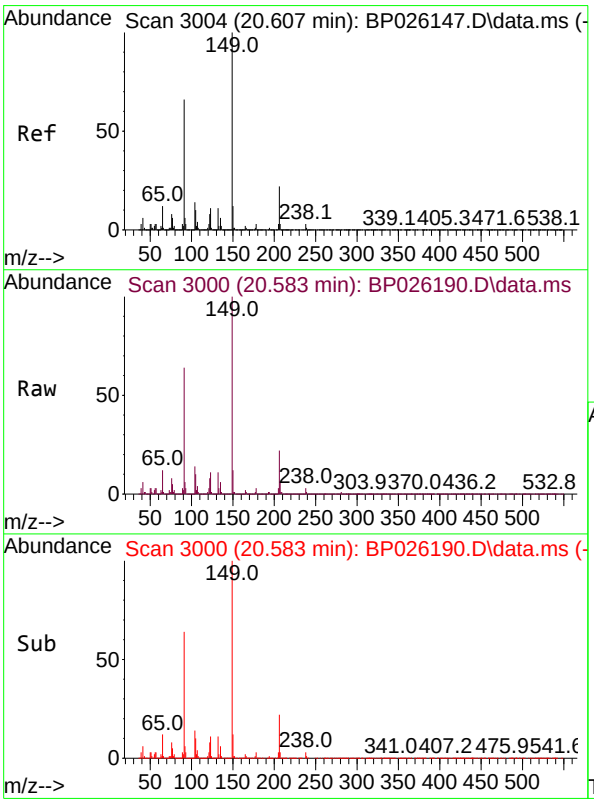
#79
Terphenyl-d14
Concen: 81.136 ng
RT: 19.842 min Scan# 28
Delta R.T. -0.029 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6759101

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	9.6	8.2	12.2

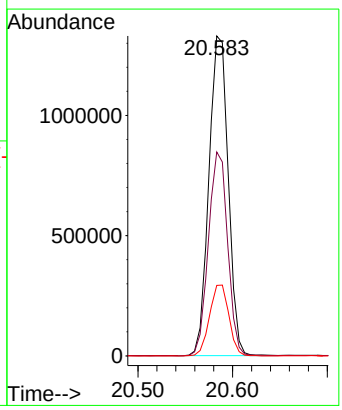


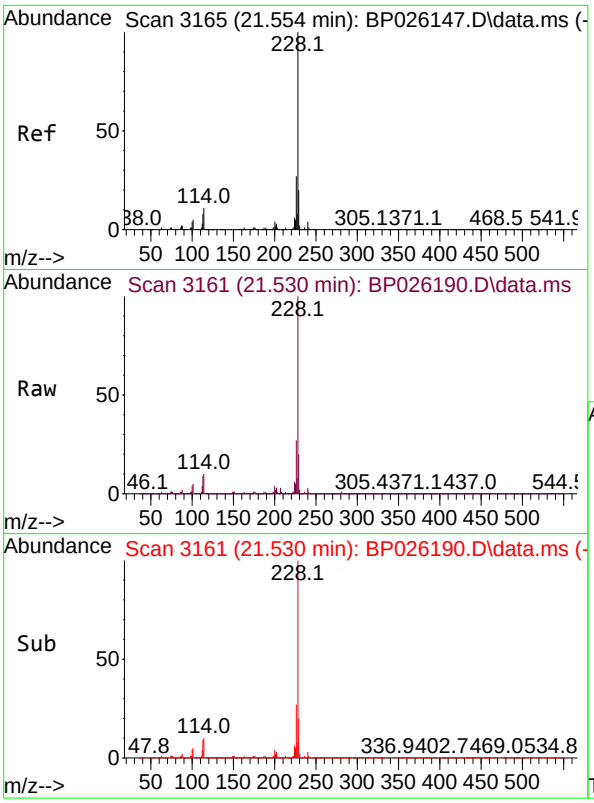


#80
Butylbenzylphthalate
Concen: 38.429 ng
RT: 20.583 min Scan# 3000
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:149 Resp: 1884921

Ion	Ratio	Lower	Upper
149	100		
91	63.7	52.6	79.0
206	22.0	16.9	25.3



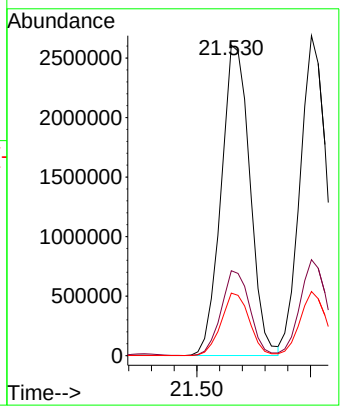


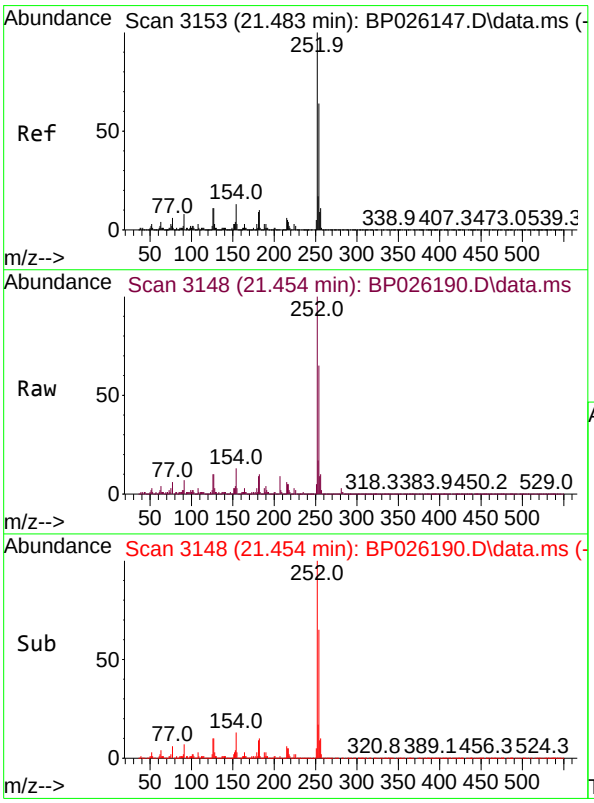
#81
Benzo(a)anthracene
Concen: 39.415 ng
RT: 21.530 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 4598164

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.1	15.9	23.9

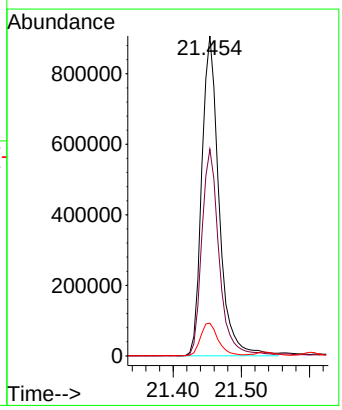


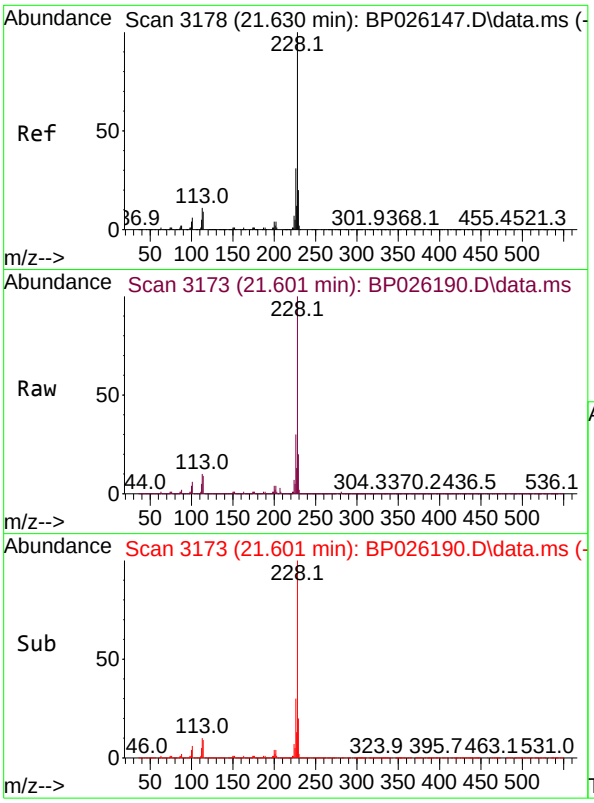


#82
3,3'-Dichlorobenzidine
Concen: 37.690 ng
RT: 21.454 min Scan# 3148
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:252 Resp: 1598958

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	10.2	8.2	12.4



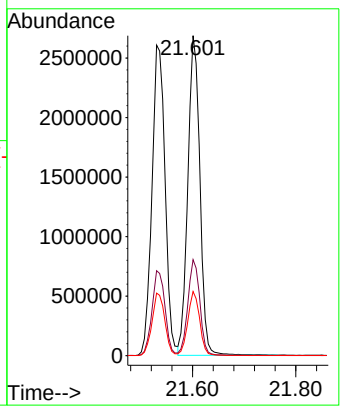


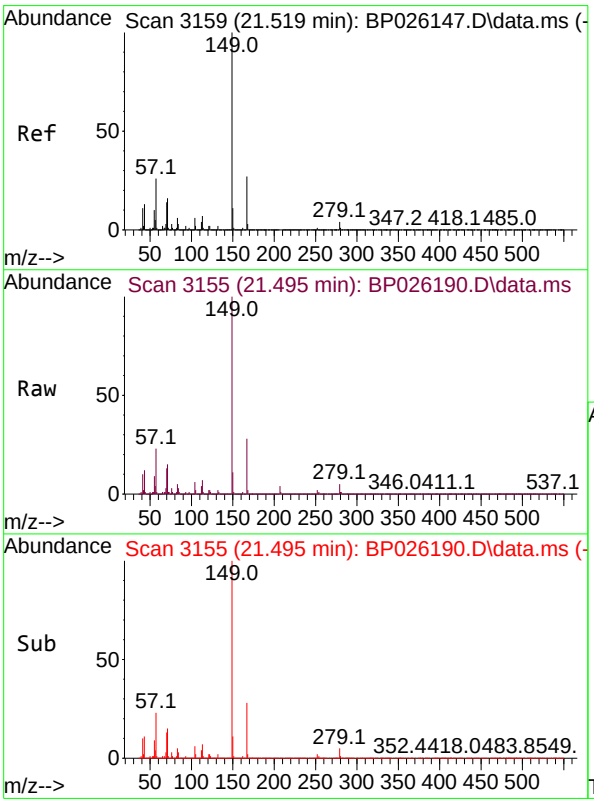
#83
Chrysene
Concen: 39.612 ng
RT: 21.601 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 4355108

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	20.0	15.9	23.9

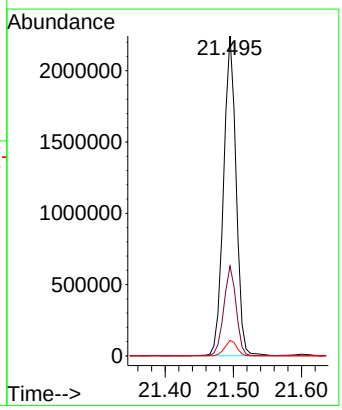


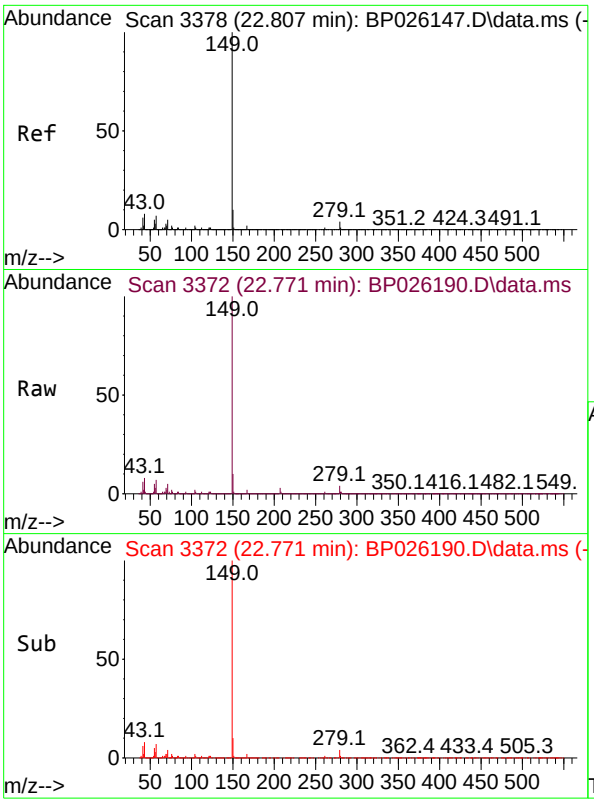


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.312 ng
RT: 21.495 min Scan# 3155
Delta R.T. -0.023 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:149 Resp: 2844628

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.1	33.1
279	4.8	3.3	4.9



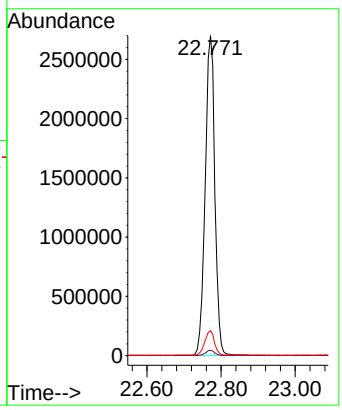


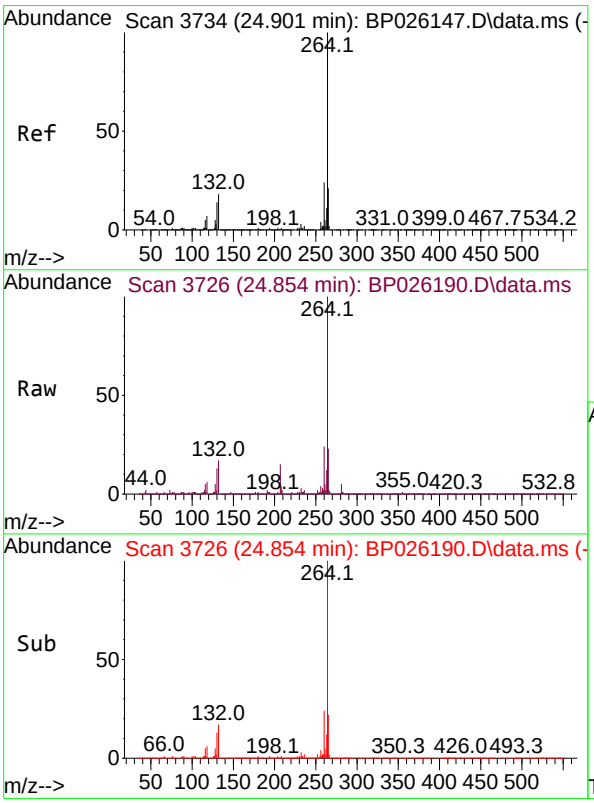
#85
Di-n-octyl phthalate
Concen: 37.427 ng
RT: 22.771 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 4859112

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.6	10.0

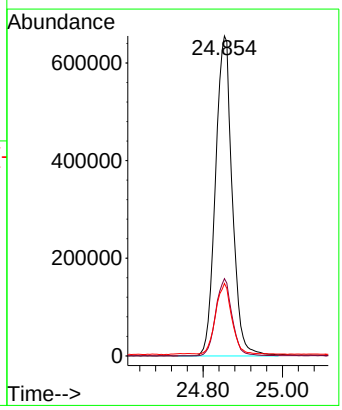


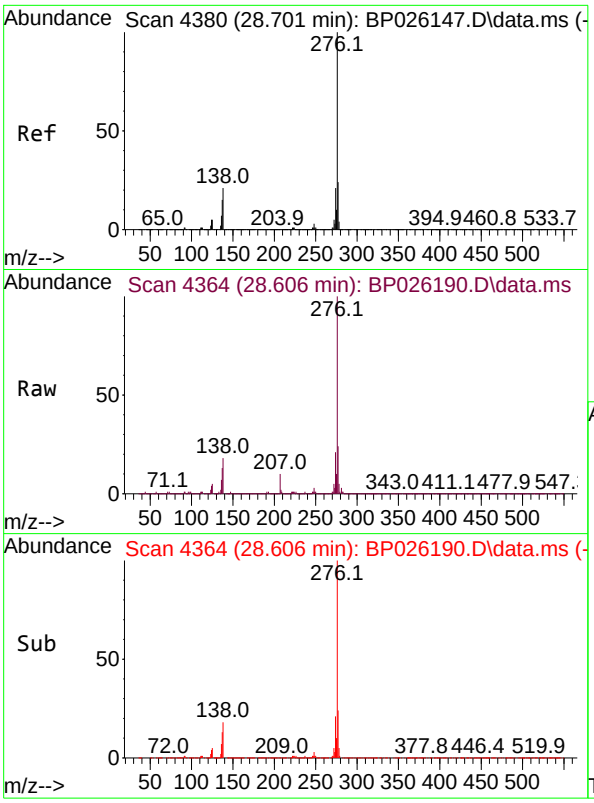


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:264 Resp: 1917737

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.6	17.5	26.3



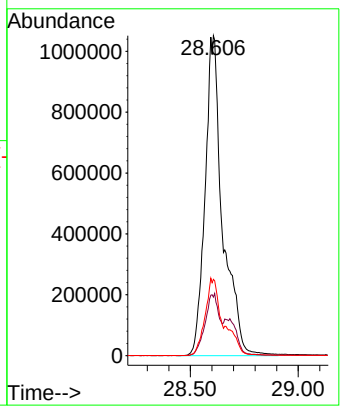


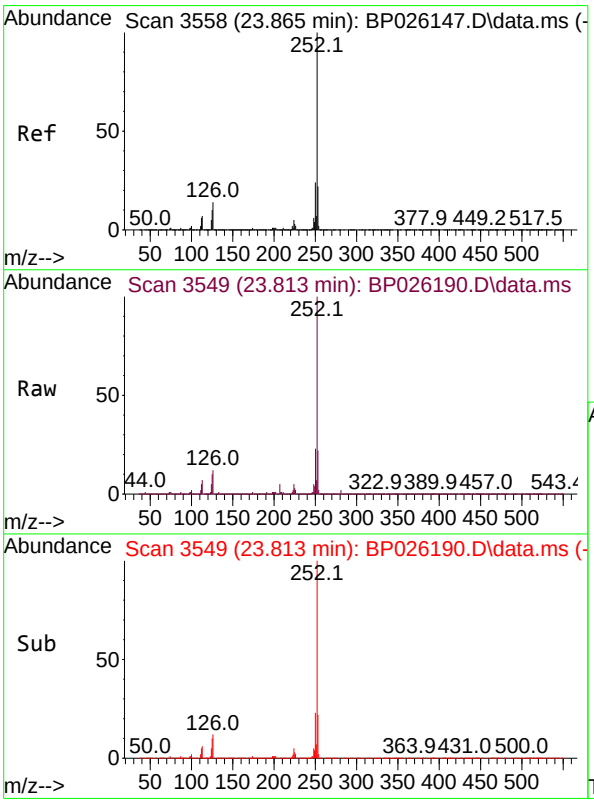
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.575 ng
RT: 28.606 min Scan# 4
Delta R.T. -0.100 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 5979554

Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.8	20.8
277	25.2	16.7	25.1#

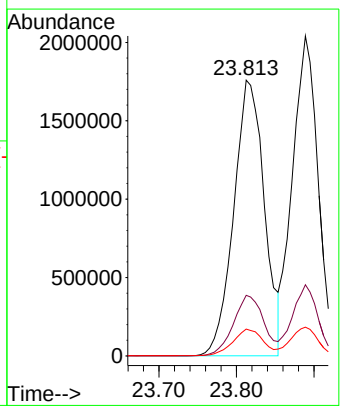


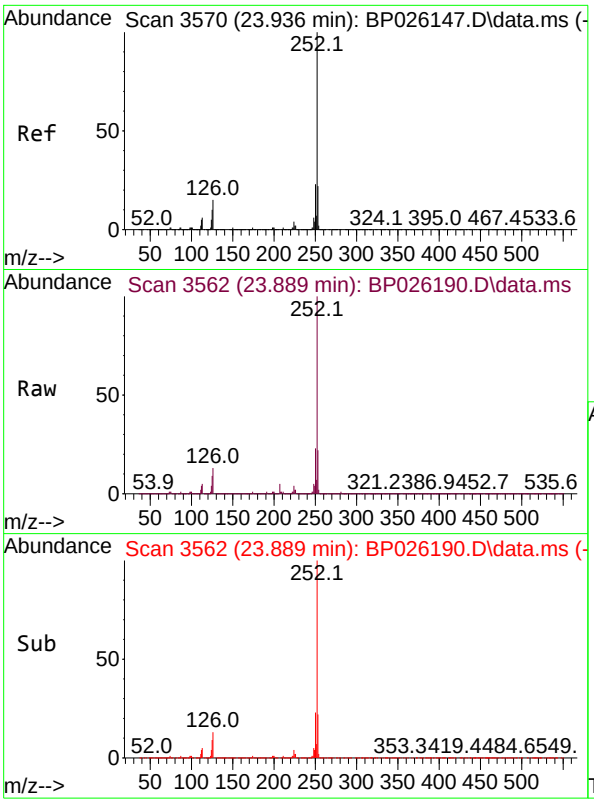


#88
Benzo(b)fluoranthene
Concen: 41.380 ng
RT: 23.813 min Scan# 3549
Delta R.T. -0.053 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:252 Resp: 4832663

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.7	8.2	12.4



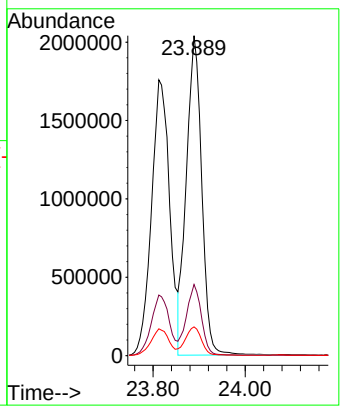


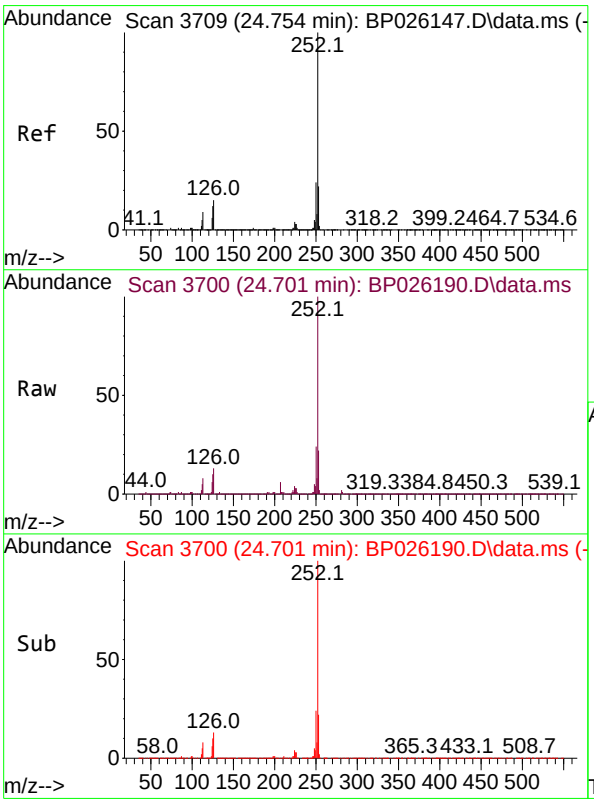
#89
Benzo(k)fluoranthene
Concen: 40.681 ng
RT: 23.889 min Scan# 3
Delta R.T. -0.047 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 4745420

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.0	7.5	11.3

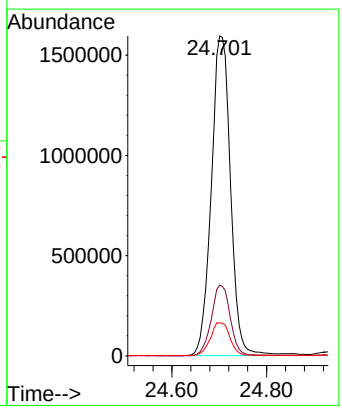


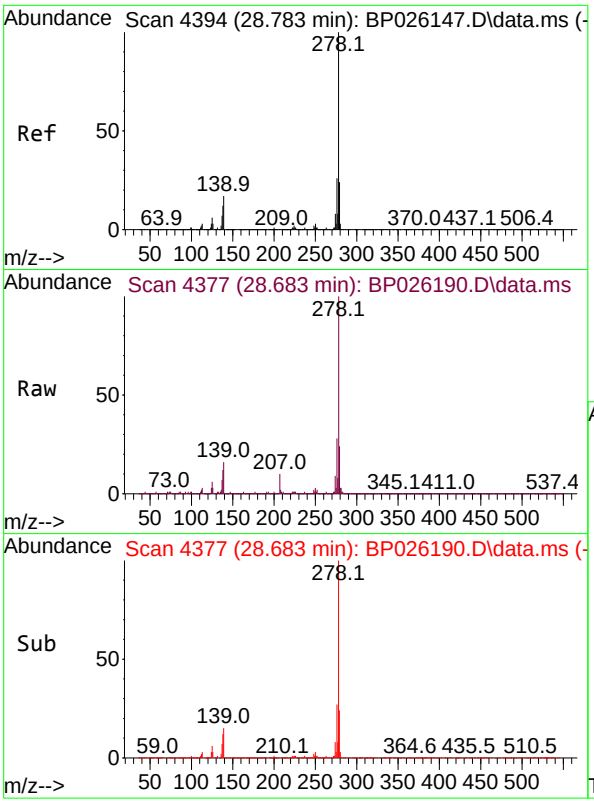


#90
Benzo(a)pyrene
Concen: 40.585 ng
RT: 24.701 min Scan# 3700
Delta R.T. -0.053 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:252 Resp: 4489730

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.4	9.0	13.6



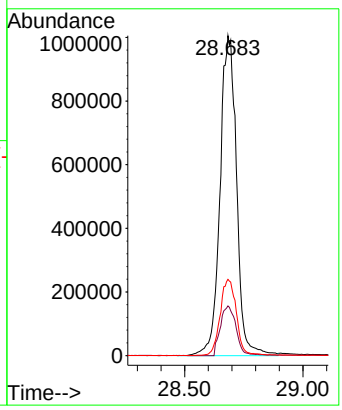


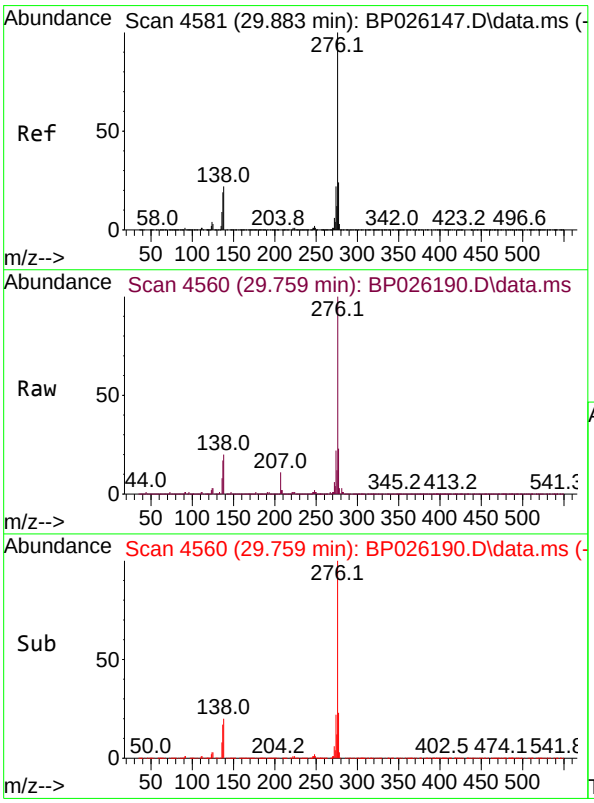
#91
Dibenzo(a,h)anthracene
Concen: 41.444 ng
RT: 28.683 min Scan# 4
Delta R.T. -0.112 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 4879387

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.2	19.8
279	23.8	19.2	28.8

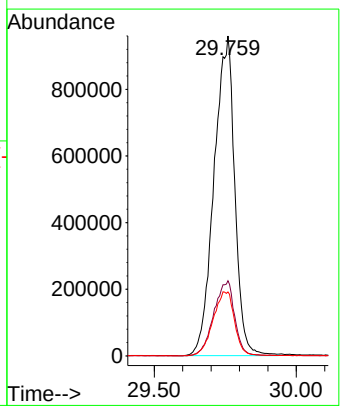




#92
Benzo(g,h,i)perylene
Concen: 41.449 ng
RT: 29.759 min Scan# 4560
Delta R.T. -0.123 min
Lab File: BP026190.D
Acq: 26 Nov 2025 14:04

Tgt Ion:276 Resp: 4850424

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.0	17.8	26.6



Sample Results: **BP026190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	78	0.00
2		1,4-Dioxane	0.505	0.486	3.8	78	0.00
3		Pyridine	1.461	1.358	7.0	73	0.00
4		n-Nitrosodimethylamine	0.546	0.500	8.4	72	0.00
5	S	2-Fluorophenol	1.246	1.185	4.9	74	0.00
6		Aniline	2.094	1.972	5.8	73	0.00
7	S	Phenol-d6	1.586	1.536	3.2	74	-0.01
8		2-Chlorophenol	1.418	1.403	1.1	77	0.00
9		Benzaldehyde	0.831	0.859	-3.4	73	0.00
10	C	Phenol	1.709	1.640	4.0	73	0.00
11		bis(2-Chloroethyl)ether	1.338	1.296	3.1	74	0.00
12		1,3-Dichlorobenzene	1.528	1.553	-1.6	80	-0.01
13	C	1,4-Dichlorobenzene	1.540	1.553	-0.8	79	0.00
14		1,2-Dichlorobenzene	1.479	1.494	-1.0	79	0.00
15		Benzyl Alcohol	1.162	1.091	6.1	72	-0.01
16		2,2'-oxybis(1-Chloropropane	1.879	1.787	4.9	73	-0.01
17		2-Methylphenol	1.163	1.142	1.8	75	-0.01
18		Hexachloroethane	0.560	0.561	-0.2	78	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.970	1.5	74	-0.01
20		3+4-Methylphenols	1.612	1.555	3.5	75	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	78	-0.02
22		Acetophenone	0.508	0.495	2.6	76	-0.01
23	S	Nitrobenzene-d5	0.352	0.339	3.7	74	-0.01
24		Nitrobenzene	0.356	0.345	3.1	74	-0.01
25		Isophorone	0.698	0.678	2.9	74	-0.02
26	C	2-Nitrophenol	0.180	0.178	1.1	73	-0.02
27		2,4-Dimethylphenol	0.325	0.288	11.4	68	-0.01
28		bis(2-Chloroethoxy)methane	0.437	0.417	4.6	74	-0.02
29	C	2,4-Dichlorophenol	0.325	0.327	-0.6	77	-0.02
30		1,2,4-Trichlorobenzene	0.331	0.339	-2.4	80	-0.02
31		Naphthalene	1.081	1.077	0.4	78	-0.02
32		Benzoic acid	0.274	0.232	15.3	65	-0.02
33		4-Chloroaniline	0.460	0.444	3.5	73	-0.02
34	C	Hexachlorobutadiene	0.215	0.224	-4.2	81	-0.02
35		Caprolactam	0.116	0.113	2.6	74	-0.02
36	C	4-Chloro-3-methylphenol	0.345	0.343	0.6	75	-0.02
37		2-Methylnaphthalene	0.766	0.774	-1.0	78	-0.02
38		1-Methylnaphthalene	0.749	0.754	-0.7	77	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	78	-0.04
40		1,2,4,5-Tetrachlorobenzene	0.605	0.618	-2.1	81	-0.02
41	P	Hexachlorocyclopentadiene	0.396	0.331	16.4	65	-0.02
42	S	2,4,6-Tribromophenol	0.259	0.283	-9.3	84	-0.04
43	C	2,4,6-Trichlorophenol	0.415	0.419	-1.0	78	-0.02
44		2,4,5-Trichlorophenol	0.463	0.476	-2.8	80	-0.02
45	S	2-Fluorobiphenyl	1.365	1.389	-1.8	81	-0.03
46		1,1'-Biphenyl	1.506	1.486	1.3	78	-0.02
47		2-Chloronaphthalene	1.184	1.166	1.5	78	-0.03

Sample Results: **BP026190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	0.329	0.309	6.1	72	-0.03
49		Acenaphthylene	1.953	1.945	0.4	78	-0.03
50		Dimethylphthalate	1.494	1.484	0.7	78	-0.03
51		2,6-Dinitrotoluene	0.296	0.306	-3.4	76	-0.03
52	C	Acenaphthene	1.145	1.138	0.6	78	-0.03
53		3-Nitroaniline	0.349	0.335	4.0	72	-0.03
54	P	2,4-Dinitrophenol	0.179	0.172	3.9	72	-0.04
55		Dibenzofuran	1.773	1.797	-1.4	80	-0.03
56	P	4-Nitrophenol	0.315	0.287	8.9	71	-0.04
57		2,4-Dinitrotoluene	0.442	0.457	-3.4	76	-0.04
58		Fluorene	1.401	1.433	-2.3	81	-0.04
59		2,3,4,6-Tetrachlorophenol	0.393	0.409	-4.1	80	-0.04
60		Diethylphthalate	1.505	1.489	1.1	77	-0.04
61		4-Chlorophenyl-phenylether	0.697	0.717	-2.9	81	-0.04
62		4-Nitroaniline	0.362	0.337	6.9	72	-0.03
63		Azobenzene	1.269	1.234	2.8	75	-0.04
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	-0.04
65		4,6-Dinitro-2-methylphenol	0.127	0.125	1.6	75	-0.04
66	c	n-Nitrosodiphenylamine	0.619	0.613	1.0	79	-0.04
67		4-Bromophenyl-phenylether	0.221	0.229	-3.6	80	-0.04
68		Hexachlorobenzene	0.257	0.267	-3.9	81	-0.04
69		Atrazine	0.233	0.229	1.7	77	-0.04
70	C	Pentachlorophenol	0.180	0.185	-2.8	81	-0.04
71		Phenanthrene	1.127	1.121	0.5	80	-0.04
72		Anthracene	1.149	1.160	-1.0	79	-0.04
73		Carbazole	1.091	1.075	1.5	78	-0.03
74		Di-n-butylphthalate	1.294	1.301	-0.5	77	-0.04
75	C	Fluoranthene	1.369	1.384	-1.1	81	-0.03
76	I	Chrysene-d12	1.000	1.000	0.0	85	-0.02
77		Benzidine	0.635	0.574	9.6	79	-0.03
78		Pyrene	1.311	1.274	2.8	81	-0.02
79	S	Terphenyl-d14	0.981	0.995	-1.4	85	-0.03
80		Butylbenzylphthalate	0.578	0.555	4.0	78	-0.02
81		Benzo(a)anthracene	1.374	1.353	1.5	84	-0.02
82		3,3'-Dichlorobenzidine	0.500	0.471	5.8	80	-0.04
83		Chrysene	1.295	1.282	1.0	85	-0.02
84		Bis(2-ethylhexyl)phthalate	0.874	0.837	4.2	76	-0.02
85	c	Di-n-octyl phthalate	1.529	1.430	6.5	77	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	85	-0.05
87		Indeno(1,2,3-cd)pyrene	1.500	1.559	-3.9	88	-0.10
88		Benzo(b)fluoranthene	1.218	1.260	-3.4	87	-0.05
89		Benzo(k)fluoranthene	1.217	1.237	-1.6	87	-0.05
90	C	Benzo(a)pyrene	1.154	1.171	-1.5	86	-0.05
91		Dibenzo(a,h)anthracene	1.228	1.272	-3.6	88	-0.11
92		Benzo(g,h,i)perylene	1.220	1.265	-3.7	88	-0.12

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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

Sample Results: **BP026190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	78	0.00
2		1,4-Dioxane	40.000	38.474	3.8	78	0.00
3		Pyridine	40.000	37.182	7.0	73	0.00
4		n-Nitrosodimethylamine	40.000	36.645	8.4	72	0.00
5	S	2-Fluorophenol	80.000	76.074	4.9	74	0.00
6		Aniline	40.000	37.655	5.9	73	0.00
7	S	Phenol-d6	80.000	77.469	3.2	74	-0.01
8		2-Chlorophenol	40.000	39.566	1.1	77	0.00
9		Benzaldehyde	40.000	41.356	-3.4	73	0.00
10	C	Phenol	40.000	38.377	4.1	73	0.00
11		bis(2-Chloroethyl)ether	40.000	38.745	3.1	74	0.00
12		1,3-Dichlorobenzene	40.000	40.666	-1.7	80	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.343	-0.9	79	0.00
14		1,2-Dichlorobenzene	40.000	40.425	-1.1	79	0.00
15		Benzyl Alcohol	40.000	37.562	6.1	72	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.036	4.9	73	-0.01
17		2-Methylphenol	40.000	39.275	1.8	75	-0.01
18		Hexachloroethane	40.000	40.088	-0.2	78	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	39.388	1.5	74	-0.01
20		3+4-Methylphenols	40.000	38.595	3.5	75	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	78	-0.02
22		Acetophenone	40.000	38.955	2.6	76	-0.01
23	S	Nitrobenzene-d5	80.000	77.009	3.7	74	-0.01
24		Nitrobenzene	40.000	38.737	3.2	74	-0.01
25		Isophorone	40.000	38.843	2.9	74	-0.02
26	C	2-Nitrophenol	40.000	39.520	1.2	73	-0.02
27		2,4-Dimethylphenol	40.000	35.401	11.5	68	-0.01
28		bis(2-Chloroethoxy)methane	40.000	38.166	4.6	74	-0.02
29	C	2,4-Dichlorophenol	40.000	40.248	-0.6	77	-0.02
30		1,2,4-Trichlorobenzene	40.000	40.970	-2.4	80	-0.02
31		Naphthalene	40.000	39.846	0.4	78	-0.02
32		Benzoic acid	40.000	33.881	15.3	65	-0.02
33		4-Chloroaniline	40.000	38.647	3.4	73	-0.02
34	C	Hexachlorobutadiene	40.000	41.656	-4.1	81	-0.02
35		Caprolactam	40.000	38.718	3.2	74	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.714	0.7	75	-0.02
37		2-Methylnaphthalene	40.000	40.411	-1.0	78	-0.02
38		1-Methylnaphthalene	40.000	40.272	-0.7	77	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	78	-0.04
40		1,2,4,5-Tetrachlorobenzene	40.000	40.855	-2.1	81	-0.02
41	P	Hexachlorocyclopentadiene	40.000	33.460	16.3	65	-0.02
42	S	2,4,6-Tribromophenol	80.000	87.271	-9.1	84	-0.04
43	C	2,4,6-Trichlorophenol	40.000	40.449	-1.1	78	-0.02
44		2,4,5-Trichlorophenol	40.000	41.124	-2.8	80	-0.02
45	S	2-Fluorobiphenyl	80.000	81.419	-1.8	81	-0.03
46		1,1'-Biphenyl	40.000	39.470	1.3	78	-0.02
47		2-Chloronaphthalene	40.000	39.383	1.5	78	-0.03

Sample Results: **BP026190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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	37.522	6.2	72	-0.03
49		Acenaphthylene	40.000	39.825	0.4	78	-0.03
50		Dimethylphthalate	40.000	39.727	0.7	78	-0.03
51		2,6-Dinitrotoluene	40.000	41.338	-3.3	76	-0.03
52	C	Acenaphthene	40.000	39.764	0.6	78	-0.03
53		3-Nitroaniline	40.000	38.439	3.9	72	-0.03
54	P	2,4-Dinitrophenol	40.000	38.476	3.8	72	-0.04
55		Dibenzofuran	40.000	40.551	-1.4	80	-0.03
56	P	4-Nitrophenol	40.000	36.400	9.0	71	-0.04
57		2,4-Dinitrotoluene	40.000	41.321	-3.3	76	-0.04
58		Fluorene	40.000	40.906	-2.3	81	-0.04
59		2,3,4,6-Tetrachlorophenol	40.000	41.708	-4.3	80	-0.04
60		Diethylphthalate	40.000	39.588	1.0	77	-0.04
61		4-Chlorophenyl-phenylether	40.000	41.145	-2.9	81	-0.04
62		4-Nitroaniline	40.000	37.250	6.9	72	-0.03
63		Azobenzene	40.000	38.915	2.7	75	-0.04
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	-0.04
65		4,6-Dinitro-2-methylphenol	40.000	39.438	1.4	75	-0.04
66	c	n-Nitrosodiphenylamine	40.000	39.653	0.9	79	-0.04
67		4-Bromophenyl-phenylether	40.000	41.382	-3.5	80	-0.04
68		Hexachlorobenzene	40.000	41.599	-4.0	81	-0.04
69		Atrazine	40.000	39.304	1.7	77	-0.04
70	C	Pentachlorophenol	40.000	41.163	-2.9	81	-0.04
71		Phenanthrene	40.000	39.799	0.5	80	-0.04
72		Anthracene	40.000	40.378	-0.9	79	-0.04
73		Carbazole	40.000	39.386	1.5	78	-0.03
74		Di-n-butylphthalate	40.000	40.204	-0.5	77	-0.04
75	C	Fluoranthene	40.000	40.445	-1.1	81	-0.03
76	I	Chrysene-d12	20.000	20.000	0.0	85	-0.02
77		Benzidine	40.000	36.195	9.5	79	-0.03
78		Pyrene	40.000	38.873	2.8	81	-0.02
79	S	Terphenyl-d14	80.000	81.136	-1.4	85	-0.03
80		Butylbenzylphthalate	40.000	38.429	3.9	78	-0.02
81		Benzo(a)anthracene	40.000	39.415	1.5	84	-0.02
82		3,3'-Dichlorobenzidine	40.000	37.690	5.8	80	-0.04
83		Chrysene	40.000	39.612	1.0	85	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	38.312	4.2	76	-0.02
85	c	Di-n-octyl phthalate	40.000	37.427	6.4	77	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	85	-0.05
87		Indeno(1,2,3-cd)pyrene	40.000	41.575	-3.9	88	-0.10
88		Benzo(b)fluoranthene	40.000	41.380	-3.5	87	-0.05
89		Benzo(k)fluoranthene	40.000	40.681	-1.7	87	-0.05
90	C	Benzo(a)pyrene	40.000	40.585	-1.5	86	-0.05
91		Dibenzo(a,h)anthracene	40.000	41.444	-3.6	88	-0.11
92		Benzo(g,h,i)perylene	40.000	41.449	-3.6	88	-0.12

Sample Results: **BP026190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026190.D
Acq On : 26 Nov 2025 14:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 26 14:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 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

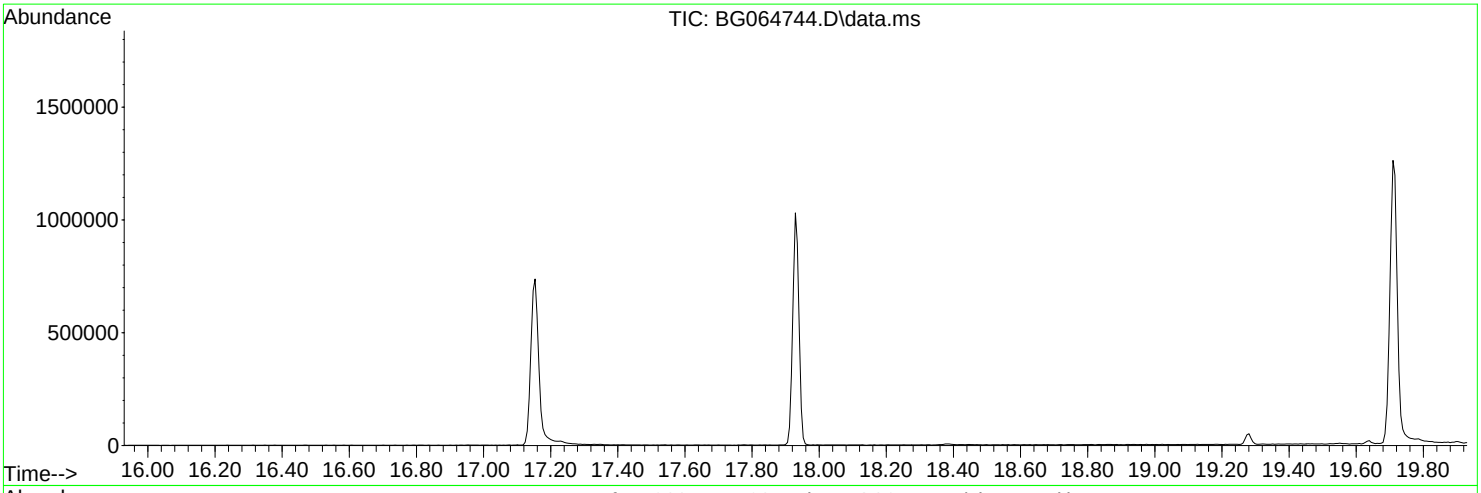
Sample Results: **BG064744.D**

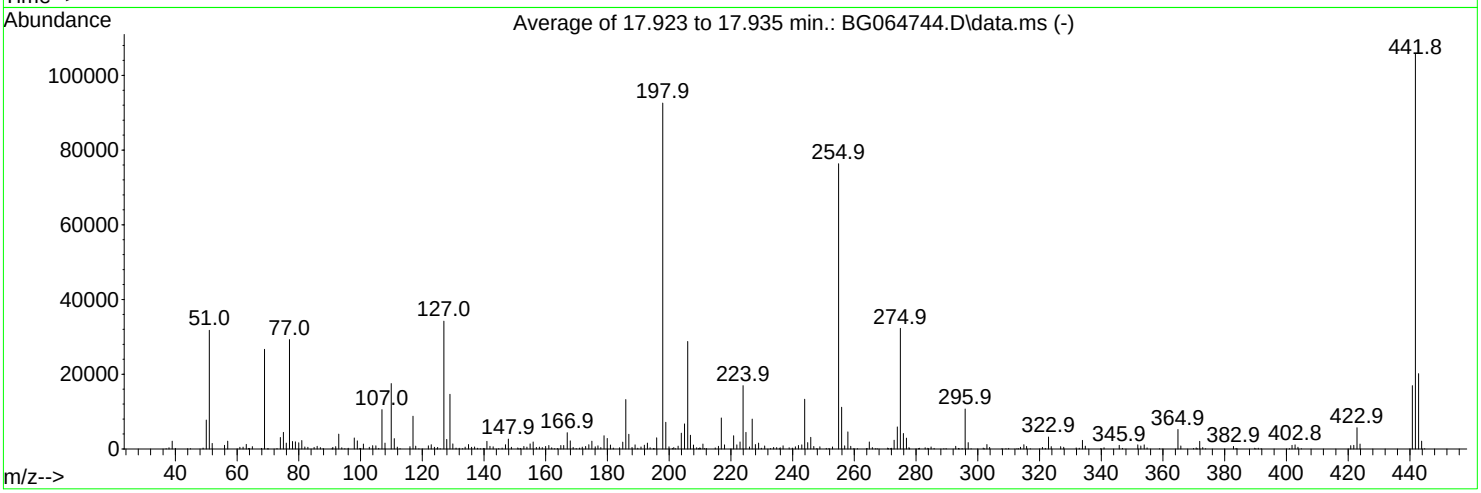
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025





AutoFind: Scans 2525, 2526, 2527; Background Corrected with Scan 2519

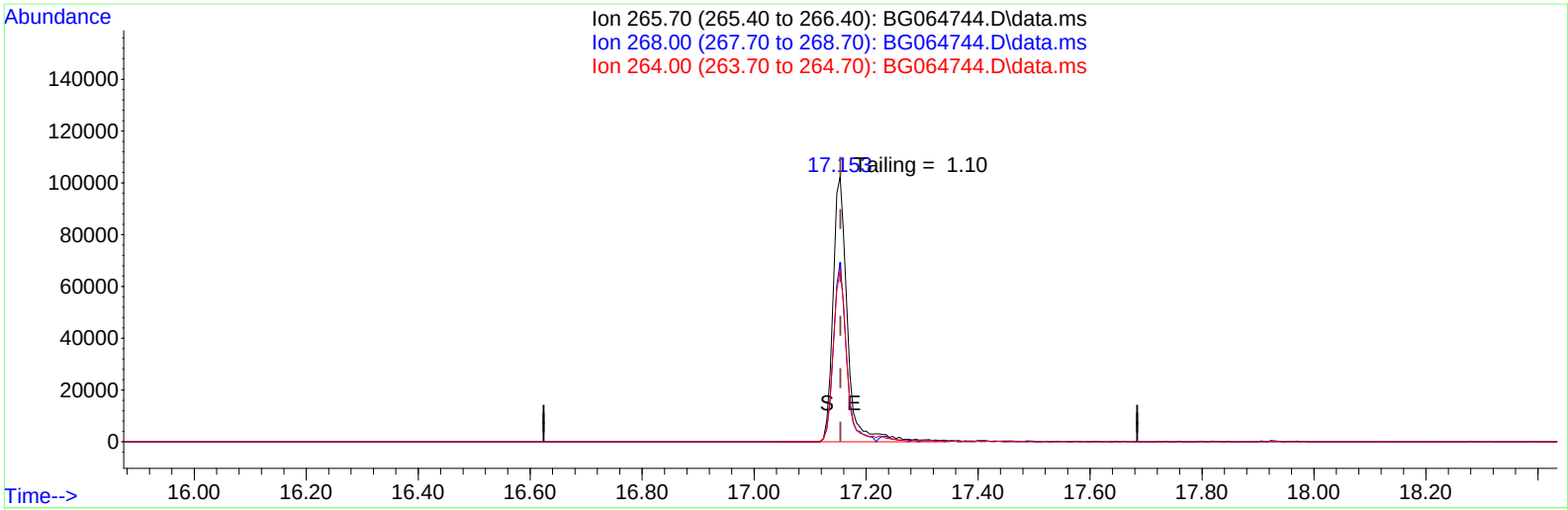
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	163	PASS
69	69	100	100	100.0	26656	PASS
70	69	0.00	2	0.2	66	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	92589	PASS
199	198	5	9	7.7	7122	PASS
365	198	1	100	5.6	5213	PASS
441	443	0.01	150	84.2	16956	PASS
442	442	100	100	100.0	105680	PASS
443	442	15	24	19.1	20135	PASS

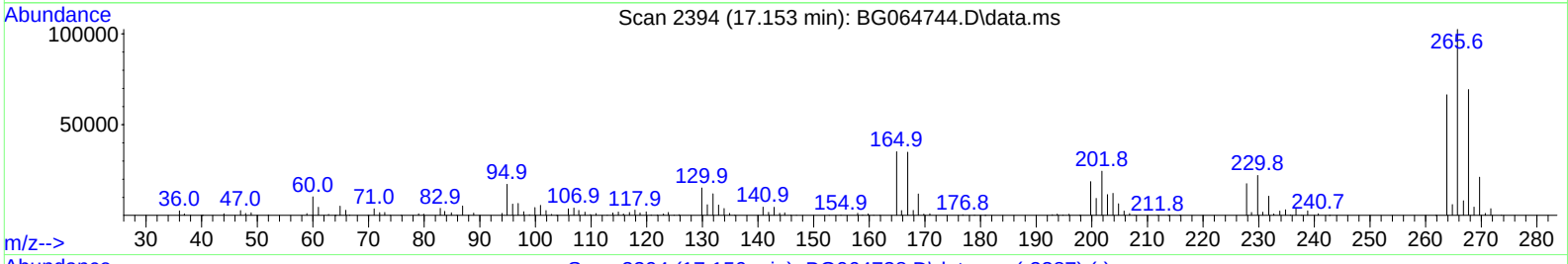
Sample Results: **BG064744.D**

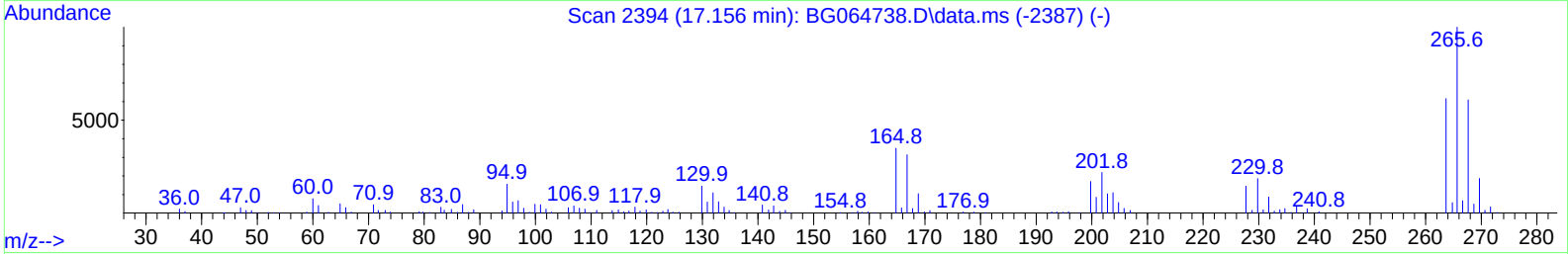
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:53:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 01:10:41 2025
Response via : Initial Calibration







TIC: BG064744.D\data.ms

(70) Pentachlorophenol (C)

17.153min (-0.001) 31332.04 ng

response 182303

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	72.31
264.00	61.60	64.88
0.00	0.00	0.00

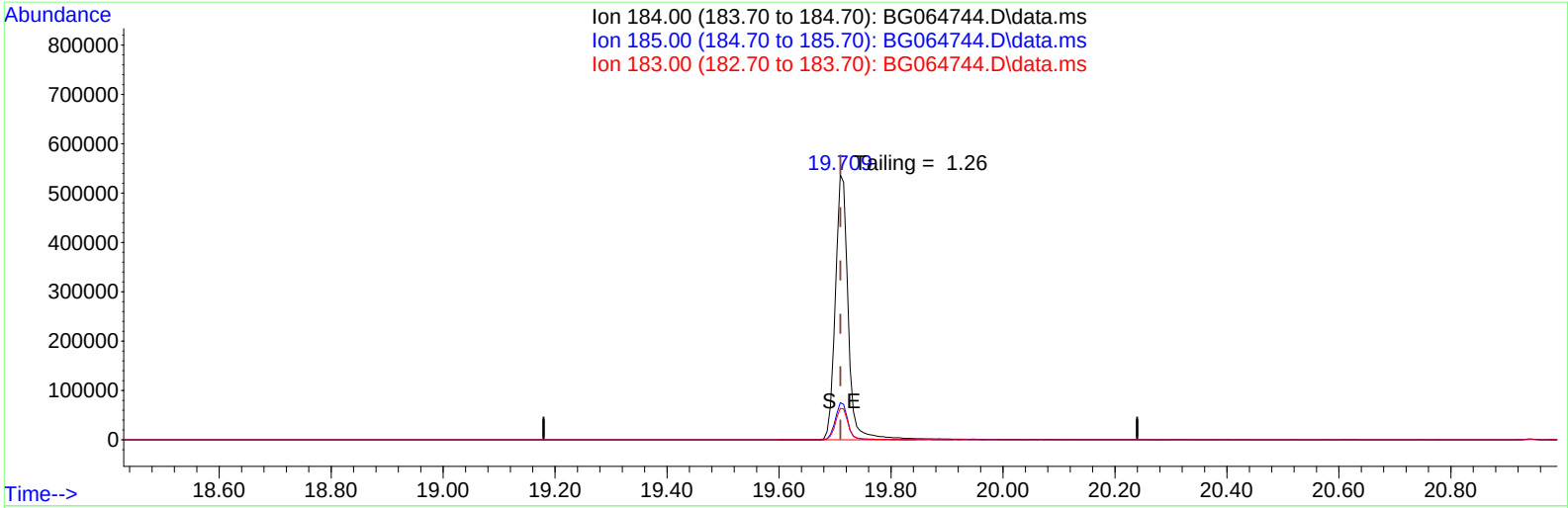
Quantitation Report (Qedit)

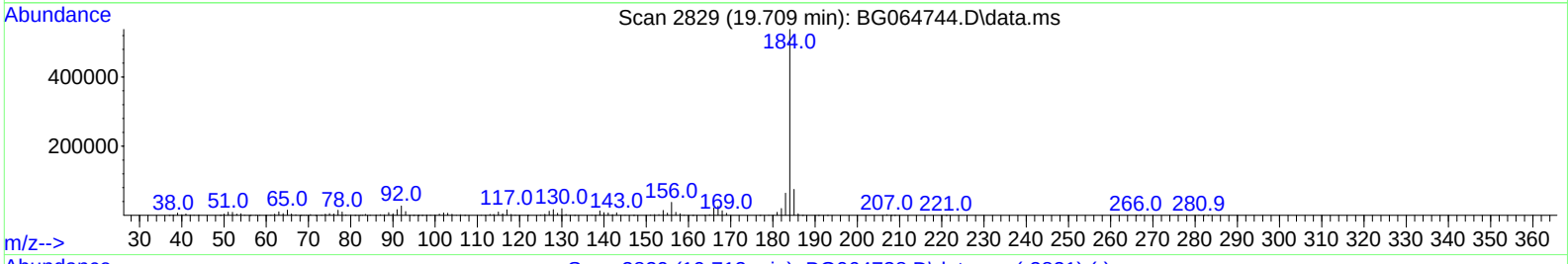
Sample Results: **BG064744.D**

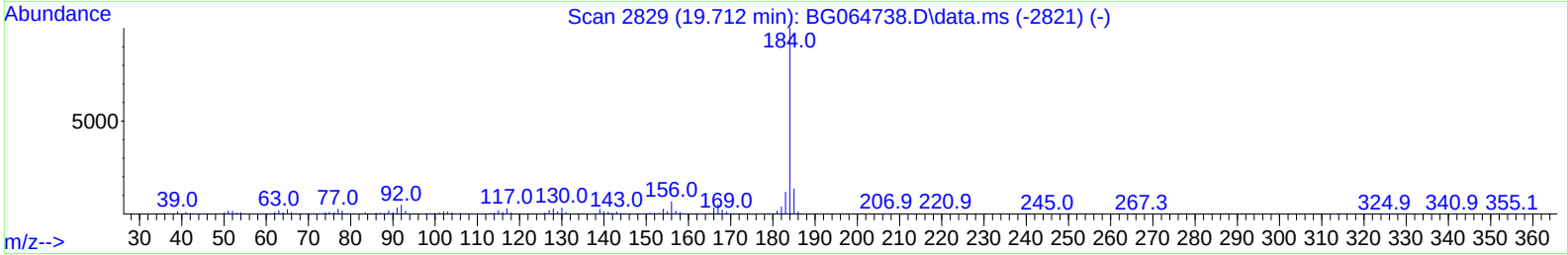
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:53:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 01:10:41 2025
Response via : Initial Calibration







TIC: BG064744.D\data.ms

(77) Benzidine

19.709min (-0.000) 0.00 ng

response 866225

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	14.01
183.00	11.80	11.91
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/12/2025	BNA_G	BG064744.D
Compound Name	**Response**	**Retention Time**
DDT	495175	20.943
DDD	6870	20.502
DDE	65	19.275
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6935	502110	1.38

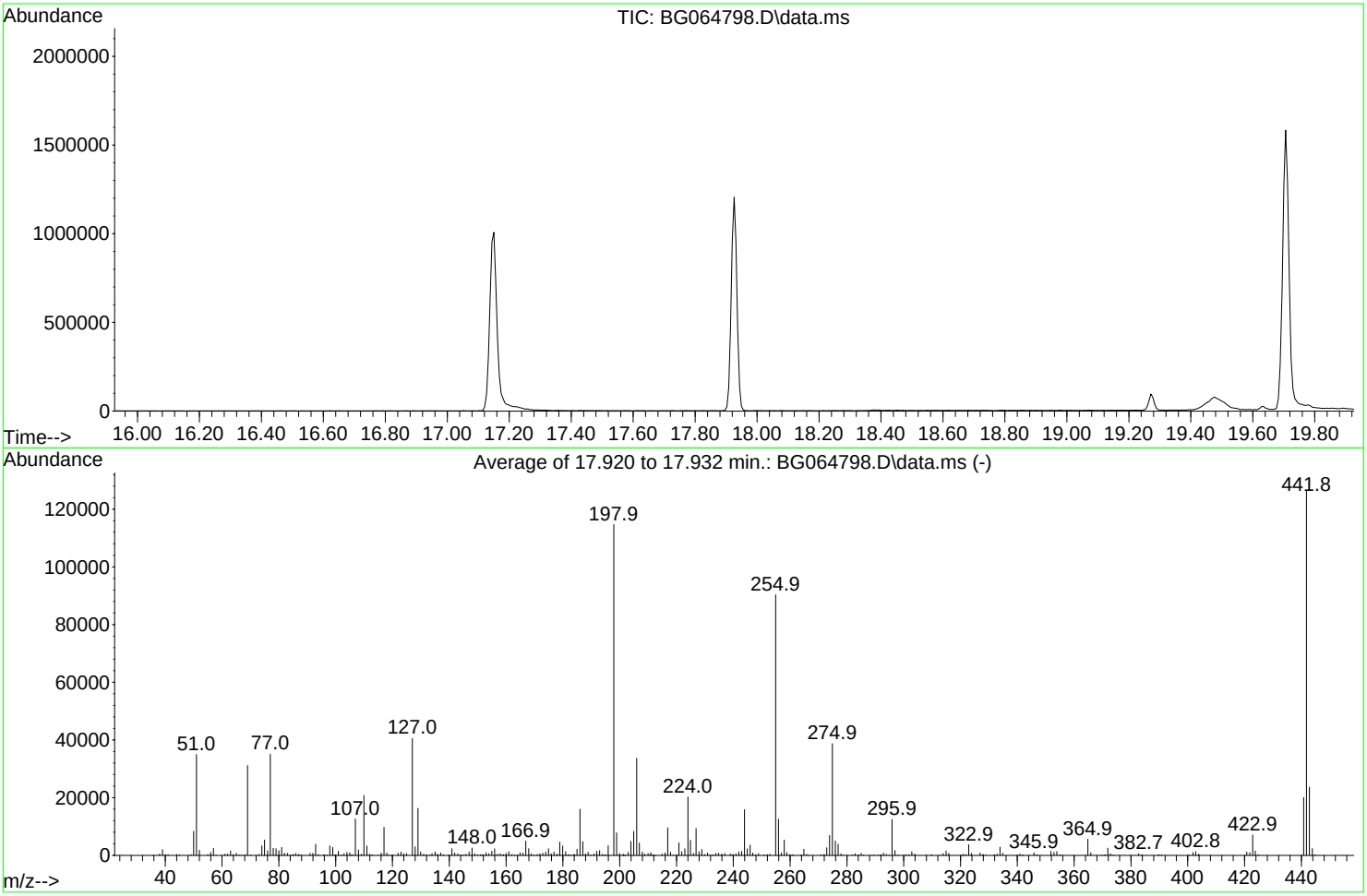
Sample Results: **BG064798.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064798.D
Acq On : 18 Nov 2025 11:30
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-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025



AutoFind: Scans 2524, 2525, 2526; Background Corrected with Scan 2517

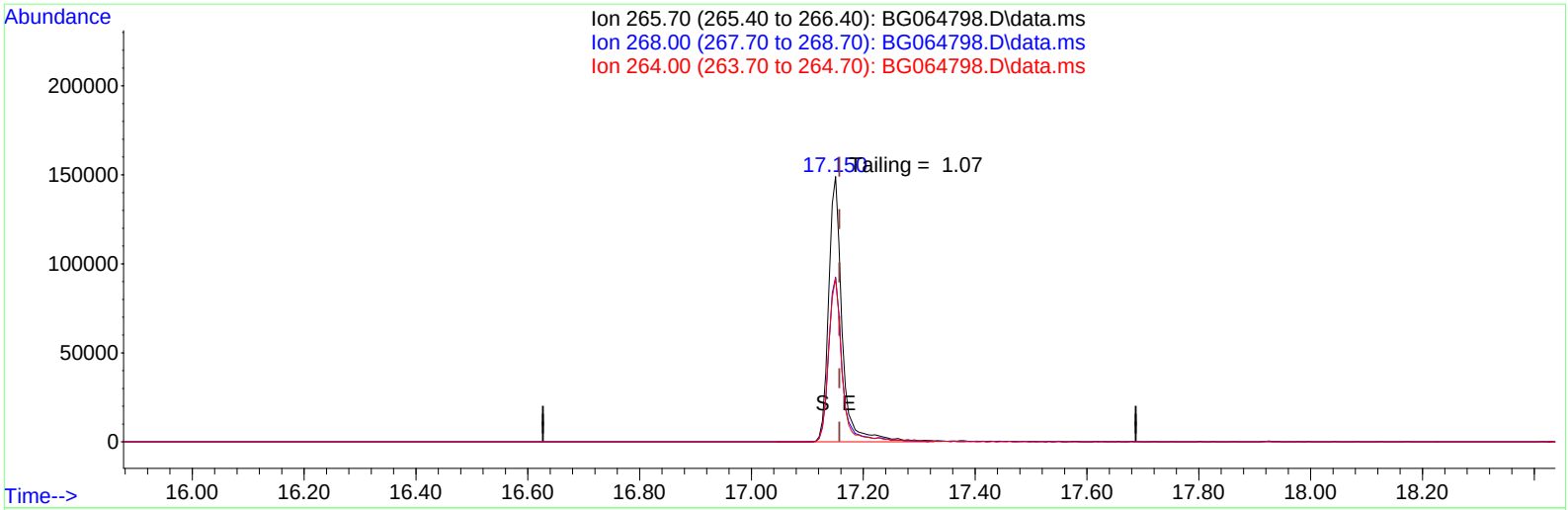
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	179	PASS
69	69	100	100	100.0	31136	PASS
70	69	0.00	2	0.3	106	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	114677	PASS
199	198	5	9	6.8	7801	PASS
365	198	1	100	4.9	5614	PASS
441	443	0.01	150	84.8	20020	PASS
442	442	100	100	100.0	126304	PASS
443	442	15	24	18.7	23621	PASS

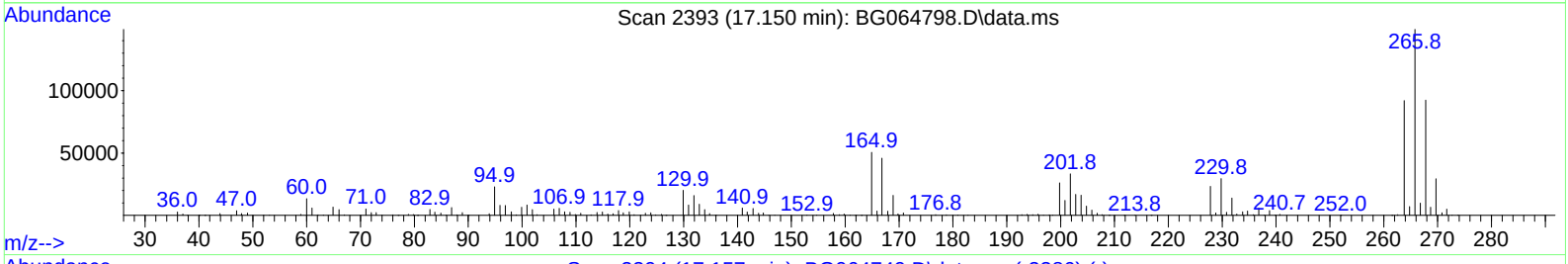
Sample Results: **BG064798.D**

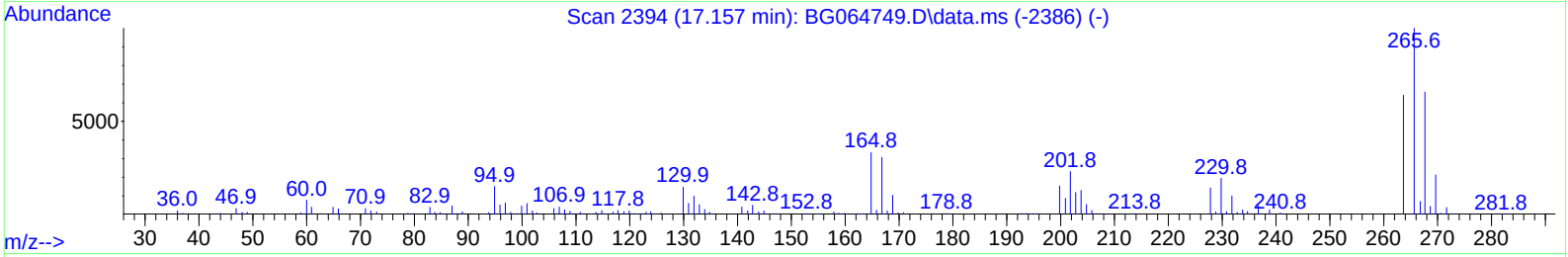
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064798.D
Acq On : 18 Nov 2025 11:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 18 12:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration







TIC: BG064798.D\data.ms

(70) Pentachlorophenol (C)

17.150min (-0.007) 33926.00 ng

response 250451

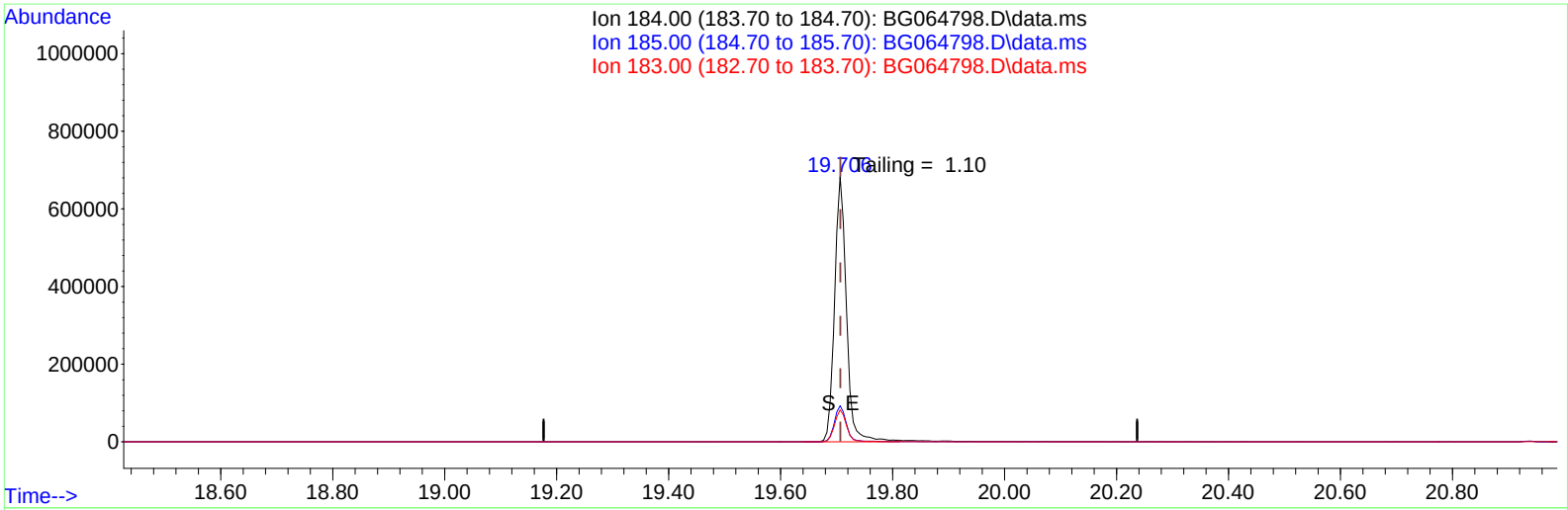
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	70.10	66.50
264.00	64.00	61.73
0.00	0.00	0.00

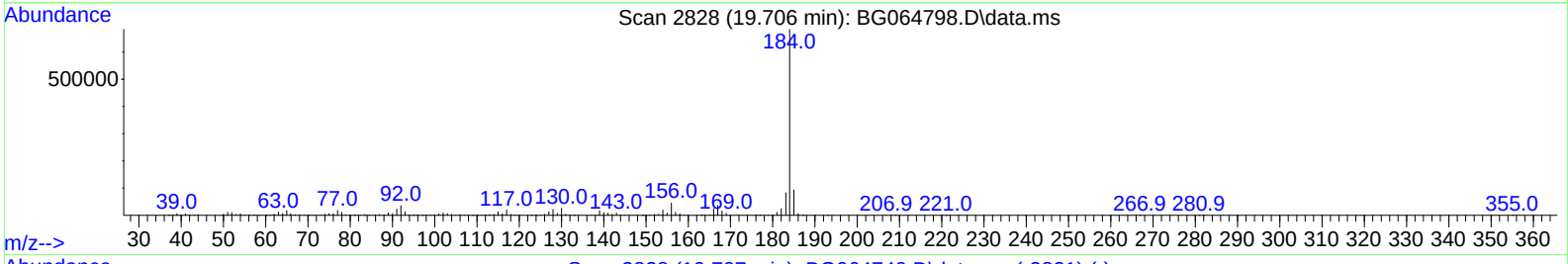
Sample Results: **BG064798.D**

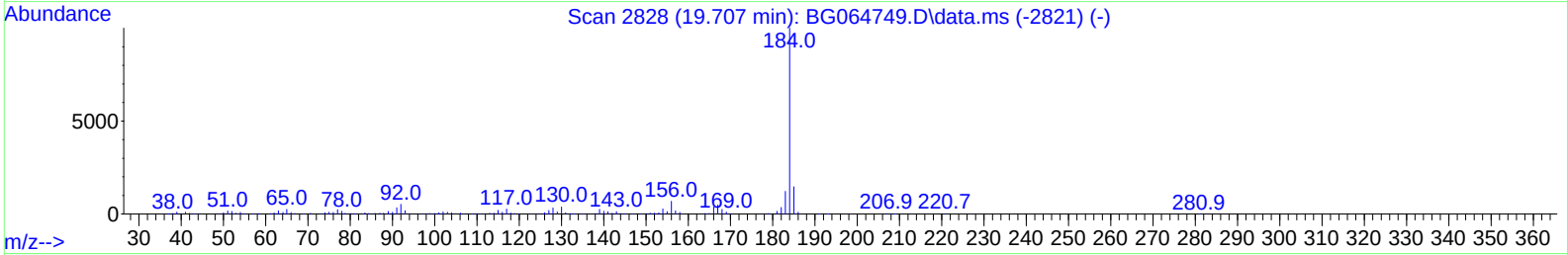
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064798.D
Acq On : 18 Nov 2025 11:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 18 12:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration







TIC: BG064798.D\data.ms

(77) Benzidine

19.706min (-0.000) 549166.45 ng

response 1019693

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	13.63
183.00	12.20	12.07
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/18/2025	BNA_G	BG064798.D
Compound Name	**Response**	**Retention Time**
DDT	621626	20.934
DDD	16049	20.494
DDE	1419	19.994
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17468	639094	2.73

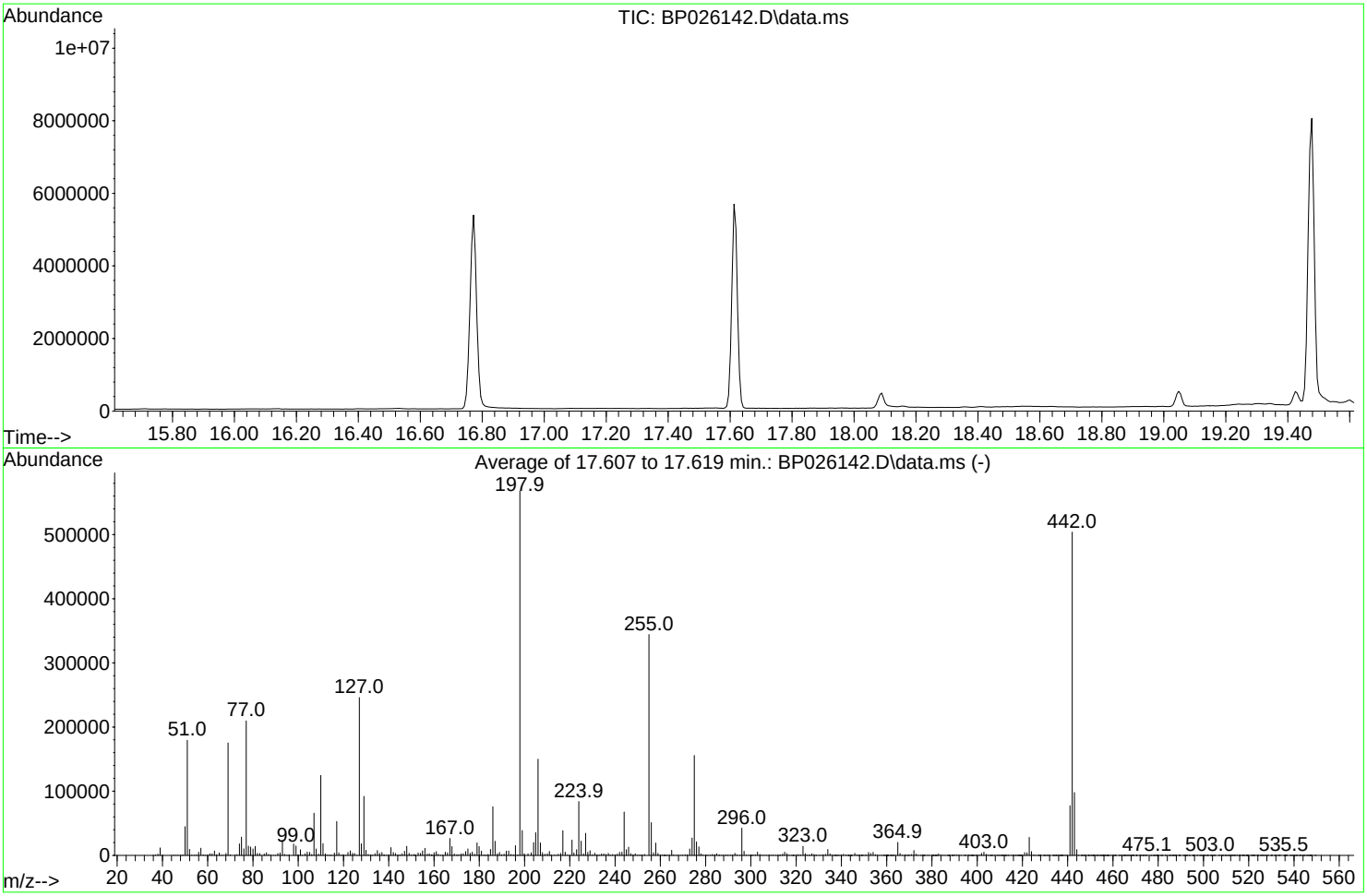
Sample Results: **BP026142.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026142.D
Acq On : 18 Nov 2025 13:45
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-BP111825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 19 01:25:31 2025



AutoFind: Scans 2494, 2495, 2496; Background Corrected with Scan 2485

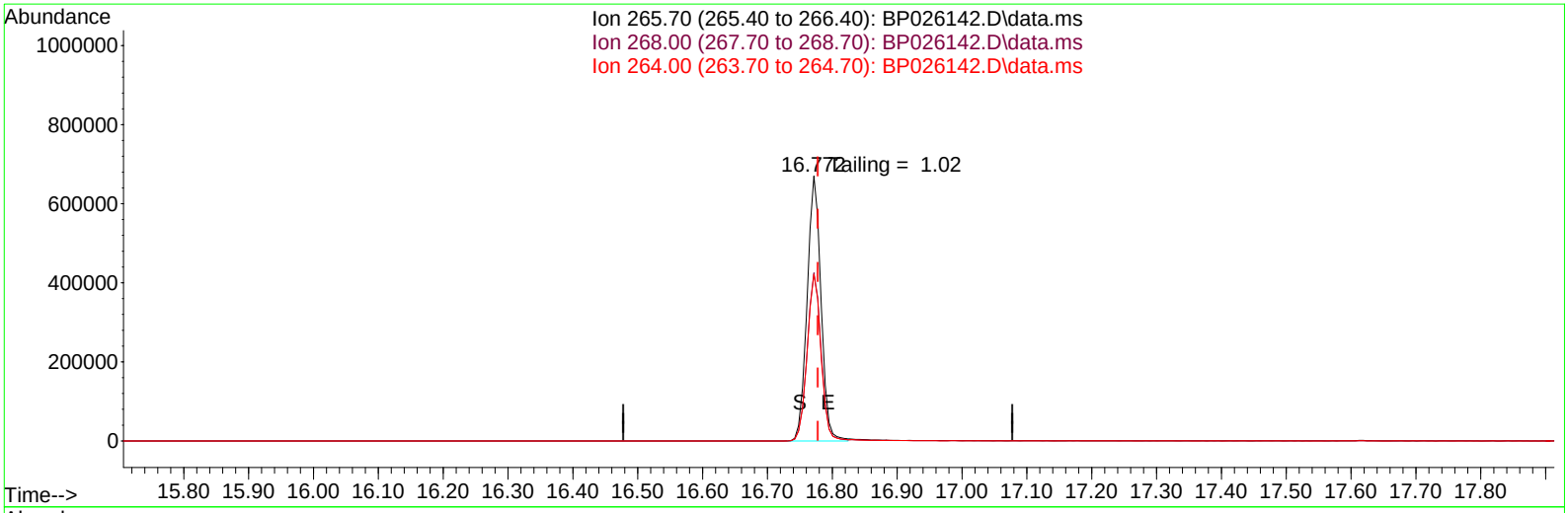
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2891	PASS
69	69	100	100	100.0	175261	PASS
70	69	0.00	2	0.4	730	PASS
197	198	0.00	2	0.1	748	PASS
198	198	100	100	100.0	567984	PASS
199	198	5	9	6.8	38899	PASS
365	198	1	100	3.6	20169	PASS
441	443	0.01	150	79.0	77420	PASS
442	442	100	100	100.0	503872	PASS
443	442	15	24	19.5	98037	PASS

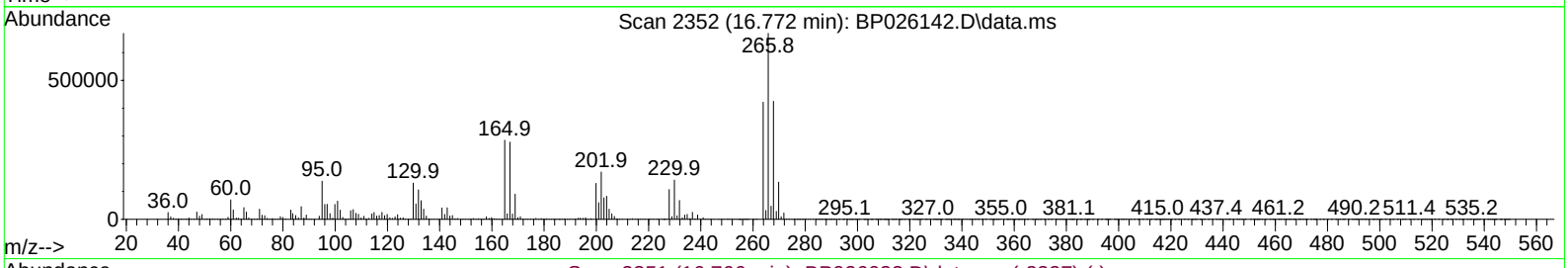
Sample Results: **BP026142.D**

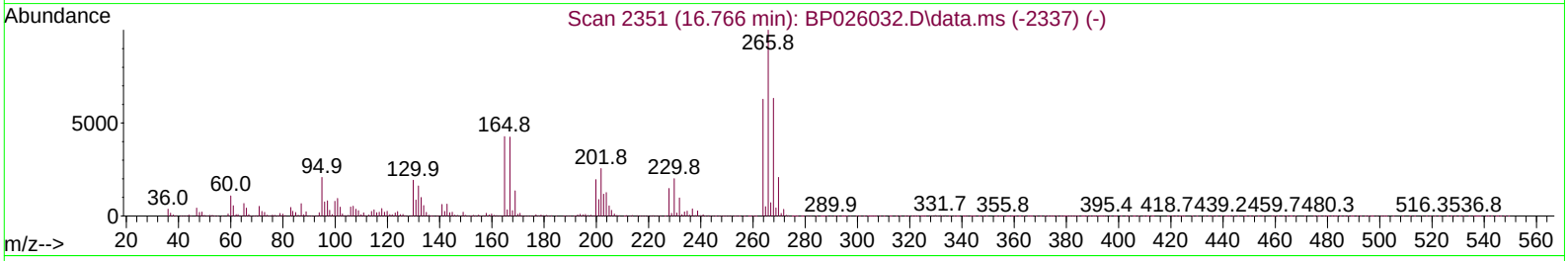
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026142.D
Acq On : 18 Nov 2025 13:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 19 00:44:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration







TIC: BP026142.D\data.ms

(70) Pentachlorophenol (C)

16.772min (-0.006) 1416102.53 ng

response 1013882

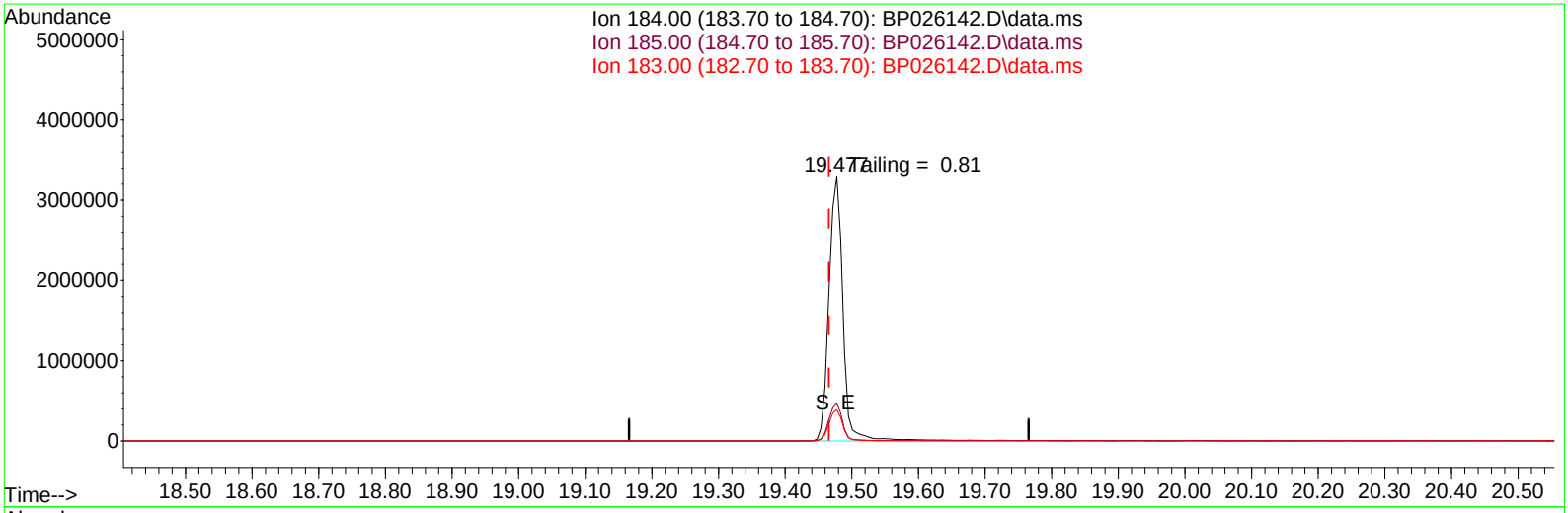
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	63.49
264.00	62.70	62.91
0.00	0.00	0.00

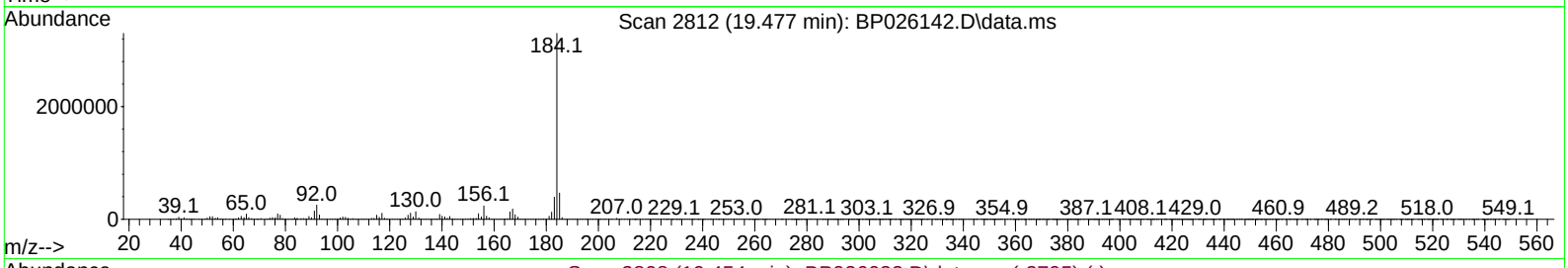
Sample Results: **BP026142.D**

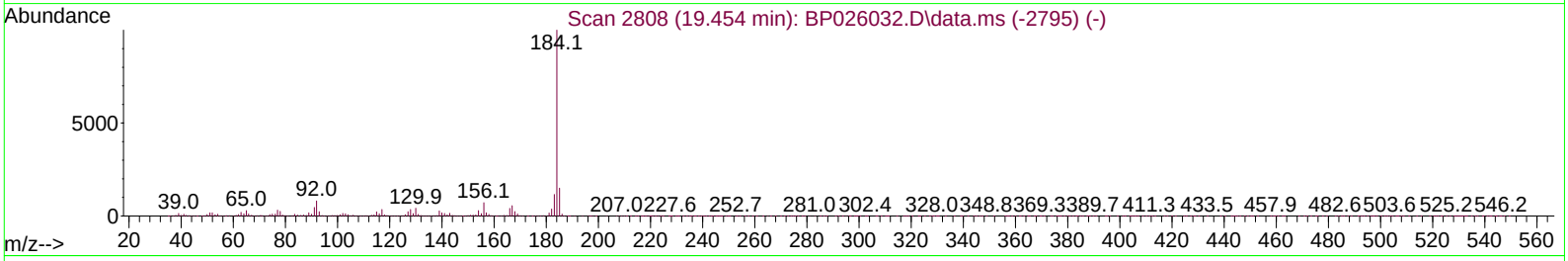
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111825\
Data File : BP026142.D
Acq On : 18 Nov 2025 13:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 19 00:44:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 00:37:08 2025
Response via : Initial Calibration







TIC: BP026142.D\data.ms

(77) Benzidine

19.477min (+ 0.012) 743702.57 ng

response 4726021

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.13
183.00	11.30	11.87
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/18/2025	BNA_P	BP026142.D
Compound Name	**Response**	**Retention Time**
DDT	2472778	20.777
DDD	49260	20.377
DDE	4029	19.789
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
53289	2526067	2.11

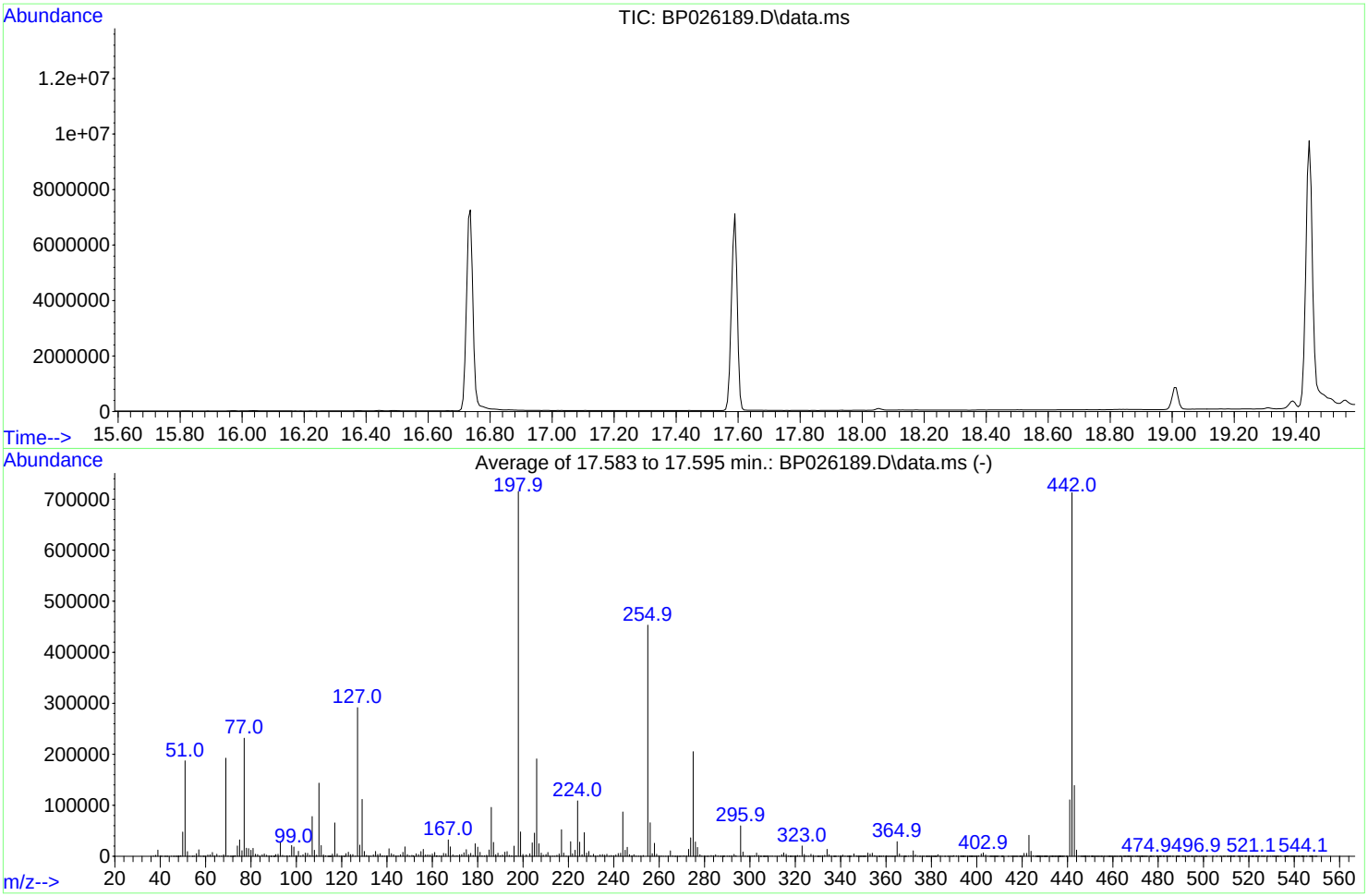
Sample Results: **BP026189.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026189.D
Acq On : 26 Nov 2025 13:23
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-BP111825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 19 01:25:31 2025



AutoFind: Scans 2490, 2491, 2492; Background Corrected with Scan 2480

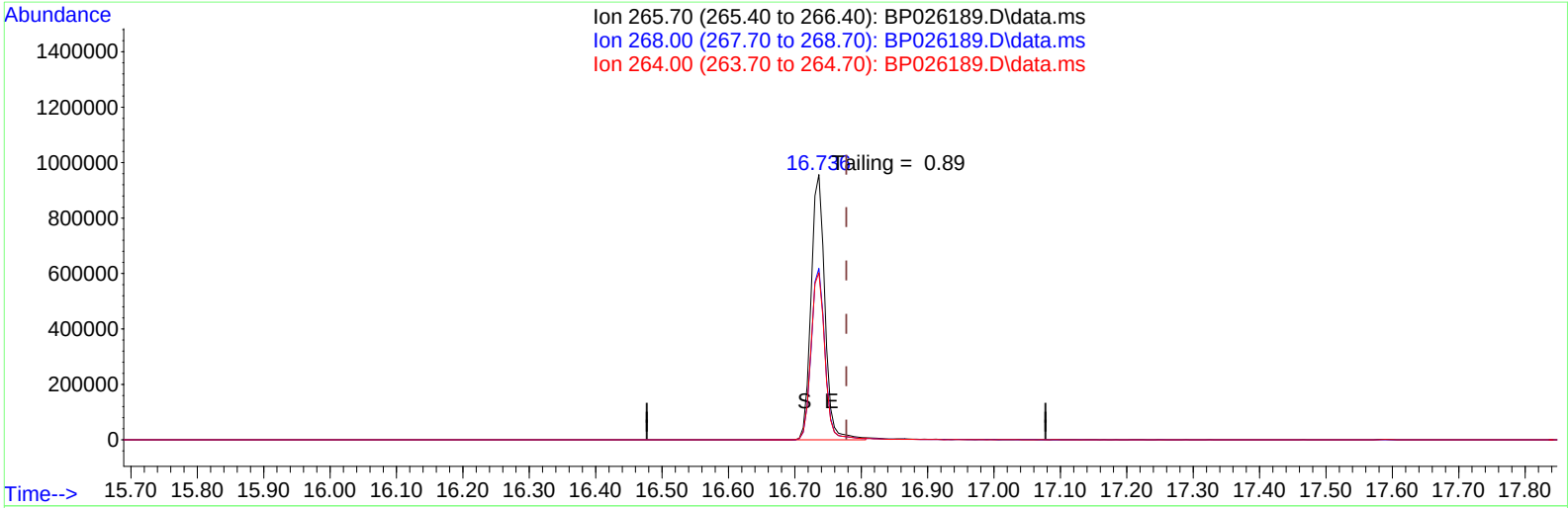
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	3227	PASS
69	69	100	100	100.0	192350	PASS
70	69	0.00	2	0.5	1041	PASS
197	198	0.00	2	0.2	1508	PASS
198	198	100	100	100.0	715009	PASS
199	198	5	9	6.7	47935	PASS
365	198	1	100	4.0	28789	PASS
441	443	0.01	150	79.7	110650	PASS
442	442	100	100	100.0	712930	PASS
443	442	15	24	19.5	138829	PASS

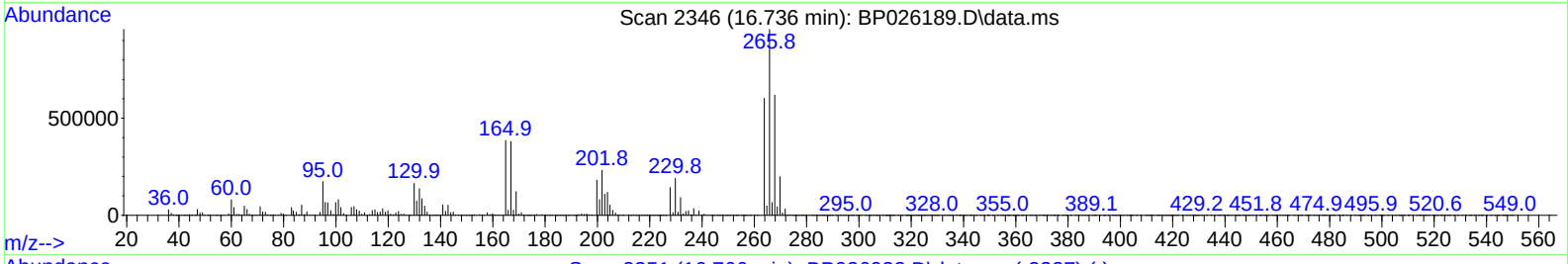
Sample Results: **BP026189.D**

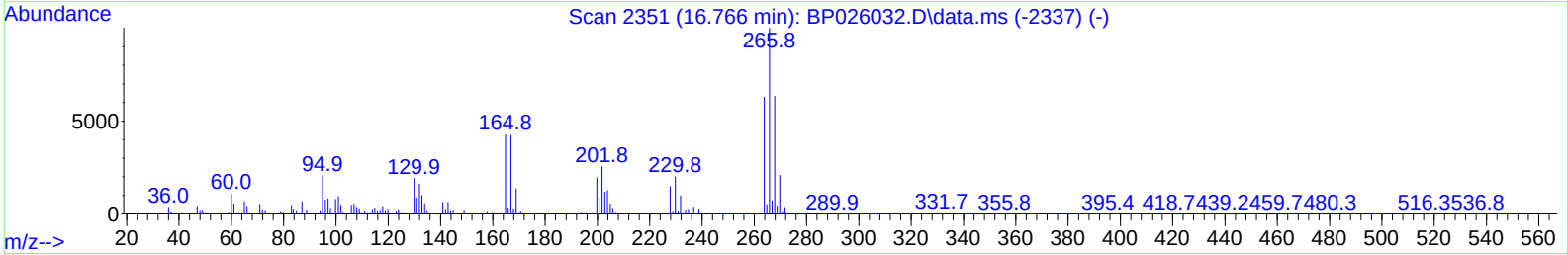
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026189.D
Acq On : 26 Nov 2025 13:23
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 26 15:09:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration







TIC: BP026189.D\data.ms

(70) Pentachlorophenol (C)

16.736min (-0.041) 64652.85 ng

response 1389037

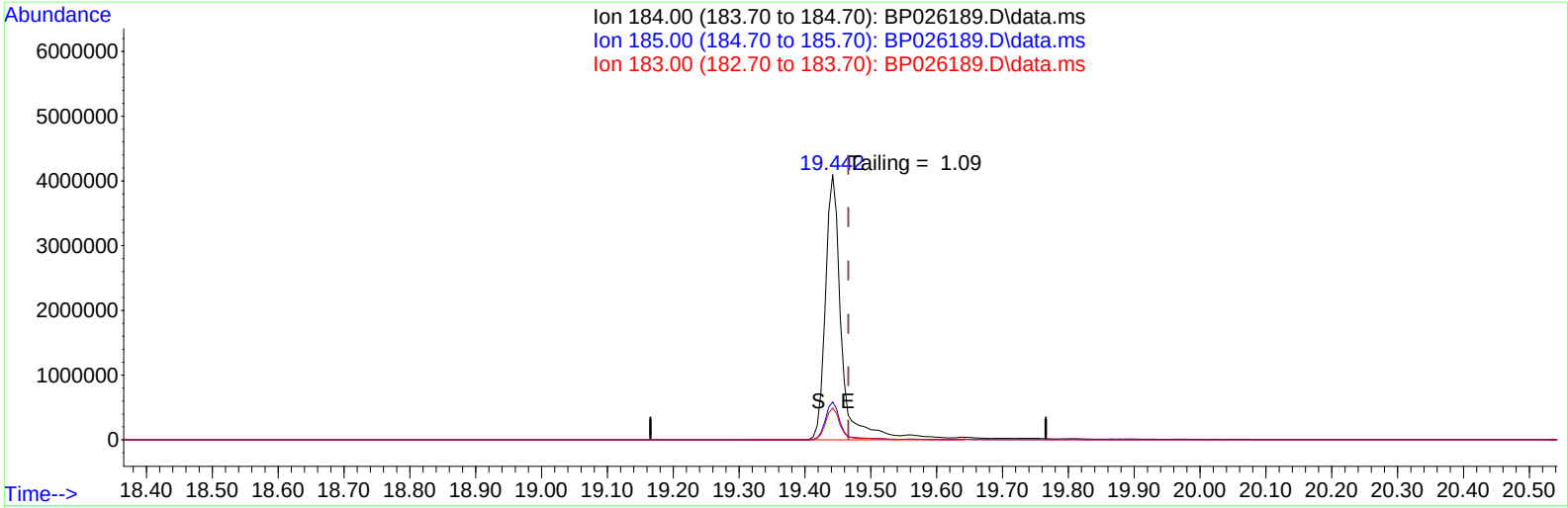
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	64.65
264.00	62.70	63.01
0.00	0.00	0.00

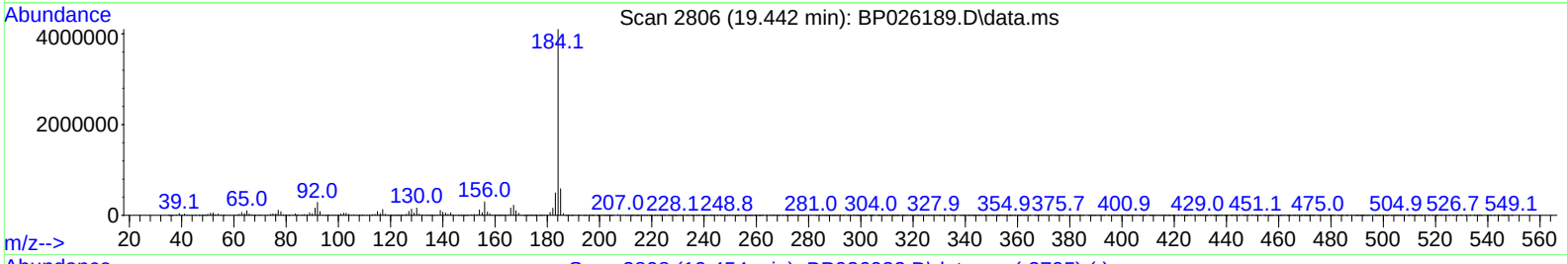
Sample Results: **BP026189.D**

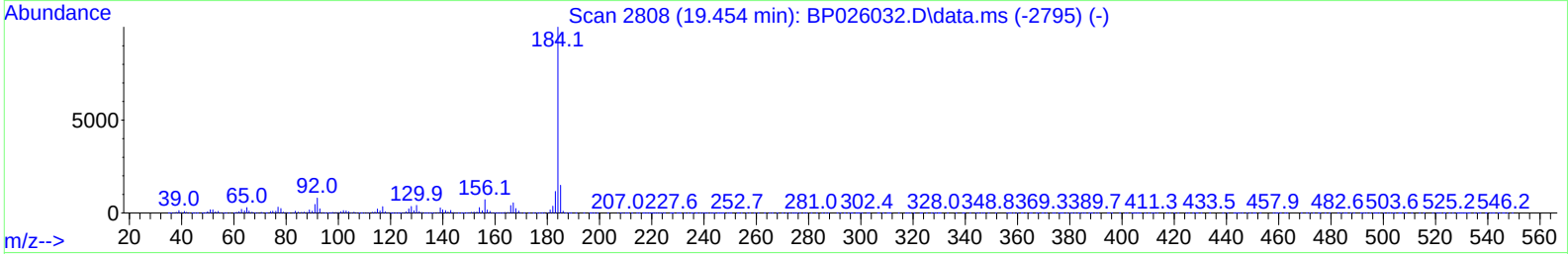
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112725\
Data File : BP026189.D
Acq On : 26 Nov 2025 13:23
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 26 15:09:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration







TIC: BP026189.D\data.ms

(77) Benzidine

19.442min (-0.024) 26907.41 ng

response 6791277

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.33
183.00	11.30	12.05
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/27/2025	BNA_P	BP026189.D
Compound Name	**Response**	**Retention Time**
DDT	3414858	20.742
DDD	40682	20.277
DDE	3383	19.754
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
44065	3458923	1.27

Raw Data: **BG064800.D**

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB170598BL			SDG No.:	Q3483
Lab Sample ID:	PB170598BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOCMS Group4
Prep Method :	SW3541	Prep Date:	11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/18/25 12:53	PB170598
SURROGATES									
367-12-4	2-Fluorophenol	136			10 - 105	91%	SPK: 150		
13127-88-3	Phenol-d6	136			10 - 103	90%	SPK: 150		
4165-60-0	Nitrobenzene-d5	85.1			10 - 108	85%	SPK: 100		
321-60-8	2-Fluorobiphenyl	85.3			10 - 108	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	129			10 - 116	86%	SPK: 150		
1718-51-0	Terphenyl-d14	89.0			10 - 109	89%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39800							
1146-65-2	Naphthalene-d8	147000							
15067-26-2	Acenaphthene-d10	118000							
1517-22-2	Phenanthrene-d10	300000							
1719-03-5	Chrysene-d12	430000							
1520-96-3	Perylene-d12	424000							

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

Sample Results: **BG064800.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064800.D
Acq On : 18 Nov 2025 12:53
Operator : RC/JU
Sample : PB170598BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Quant Time: Nov 18 13:28:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

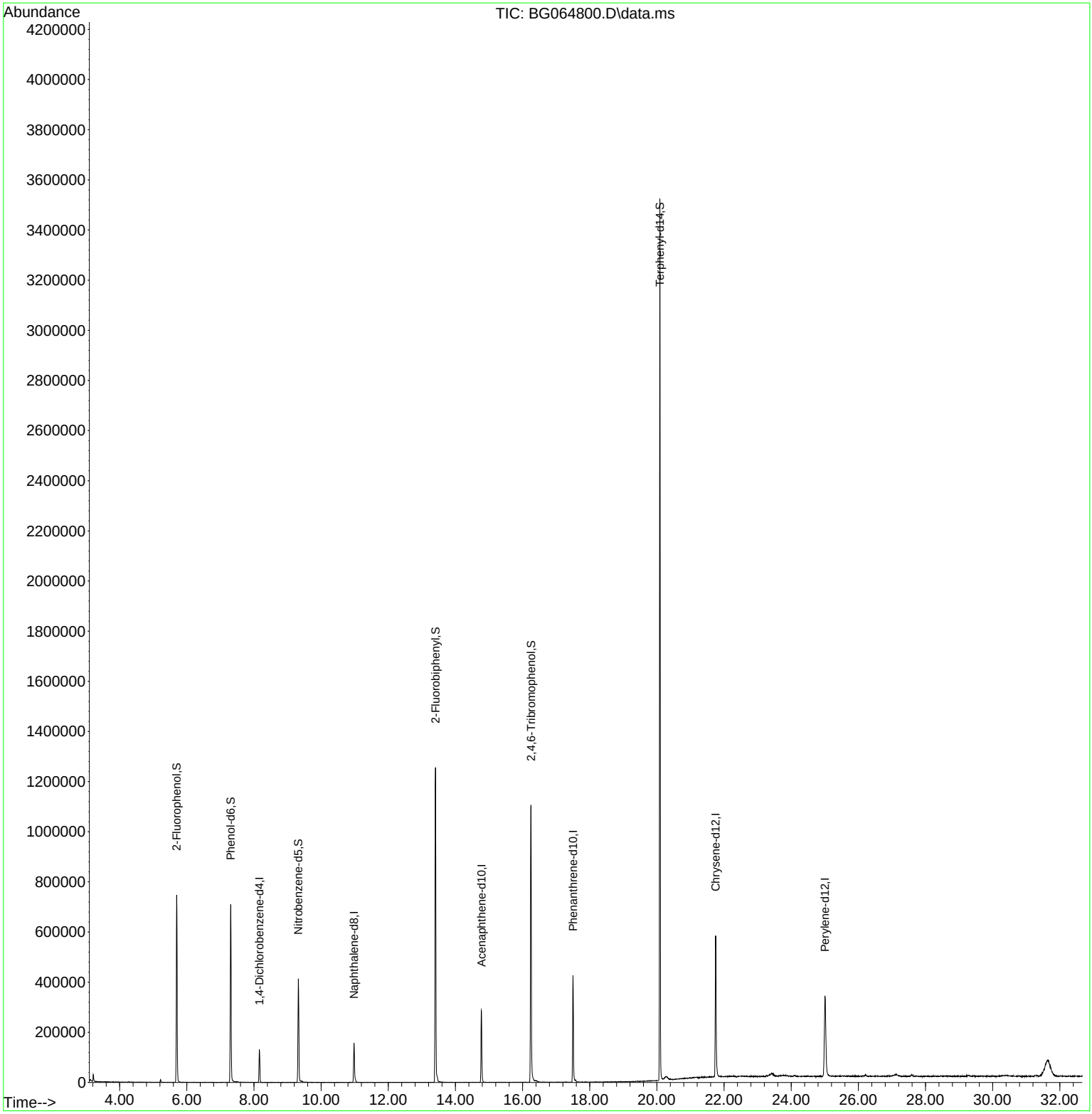
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	39789	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	147034	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	118356	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	299804	20.000	ng	0.00
76) Chrysene-d12	21.750	240	430208	20.000	ng	0.00
86) Perylene-d12	25.005	264	423715	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	310288	136.176	ng	0.00
7) Phenol-d6	7.308	99	410954	135.601	ng	0.00
23) Nitrobenzene-d5	9.323	82	252984	85.070	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	297170	128.739	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	723900	85.343	ng	0.00
79) Terphenyl-d14	20.087	244	1945948	88.977	ng	0.00
Target Compounds						Qvalue

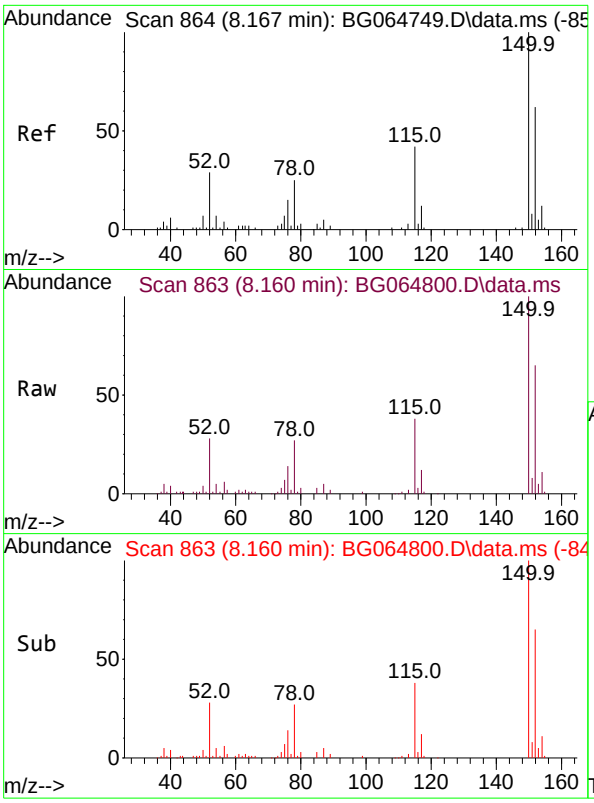
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064800.D
Acq On : 18 Nov 2025 12:53
Operator : RC/JU
Sample : PB170598BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Quant Time: Nov 18 13:28:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



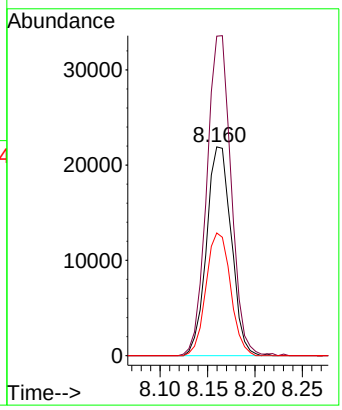


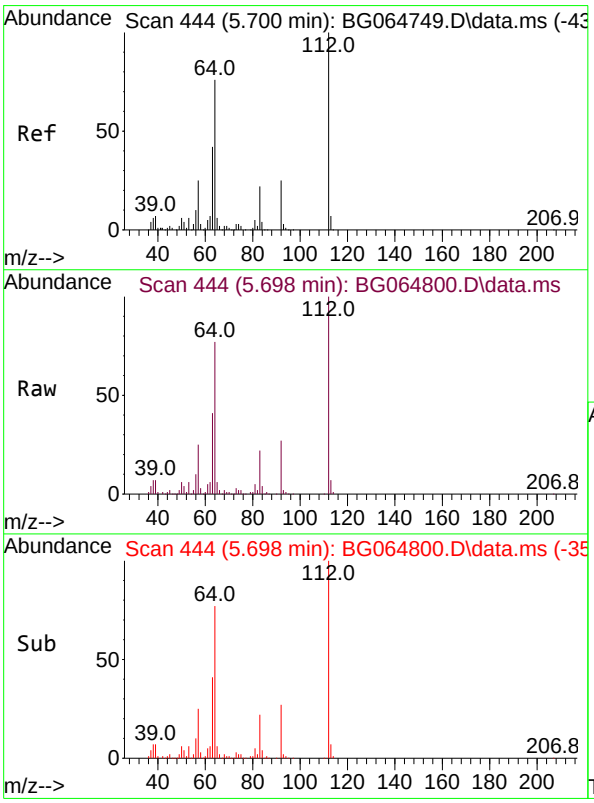
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.160 min Scan# 8
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:152 Resp: 39789

Ion	Ratio	Lower	Upper
152	100		
150	153.0	129.2	193.8
115	58.8	53.7	80.5

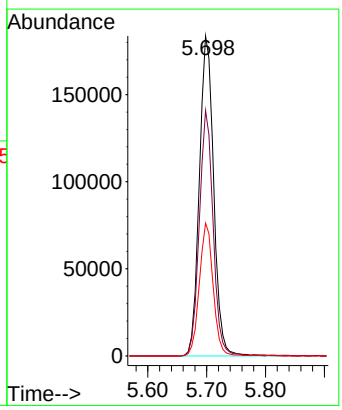


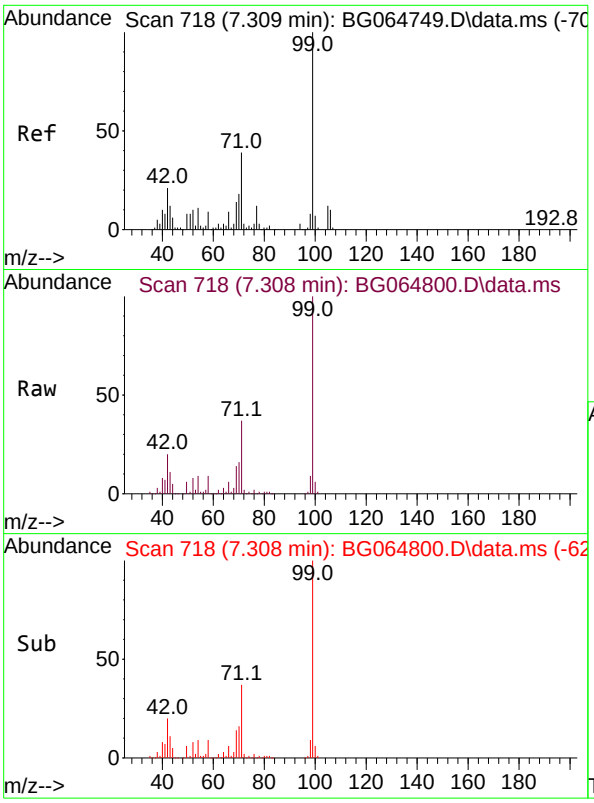


#5
2-Fluorophenol
Concen: 136.176 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:112 Resp: 310288

Ion	Ratio	Lower	Upper
112	100		
64	76.7	61.0	91.4
63	41.5	33.3	49.9



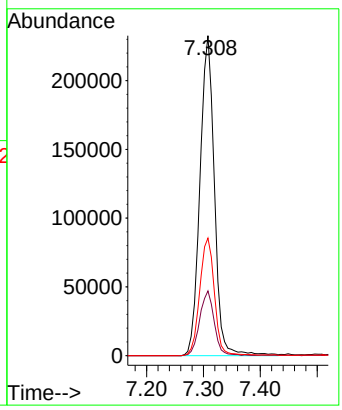


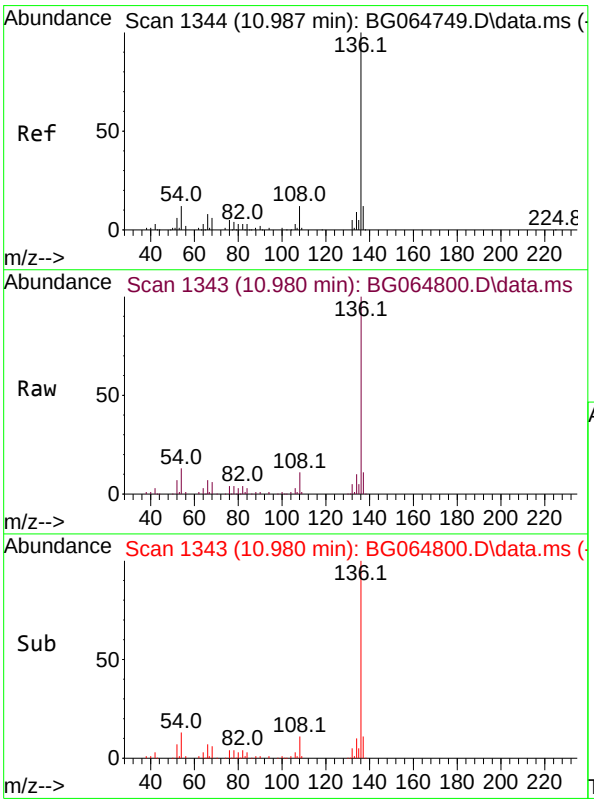
#7
Phenol-d6
Concen: 135.601 ng
RT: 7.308 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion: 99 Resp: 410954

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.8	25.2
71	36.7	31.1	46.7

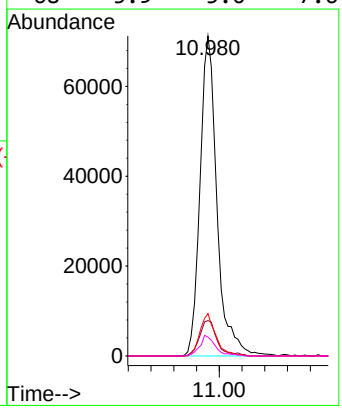


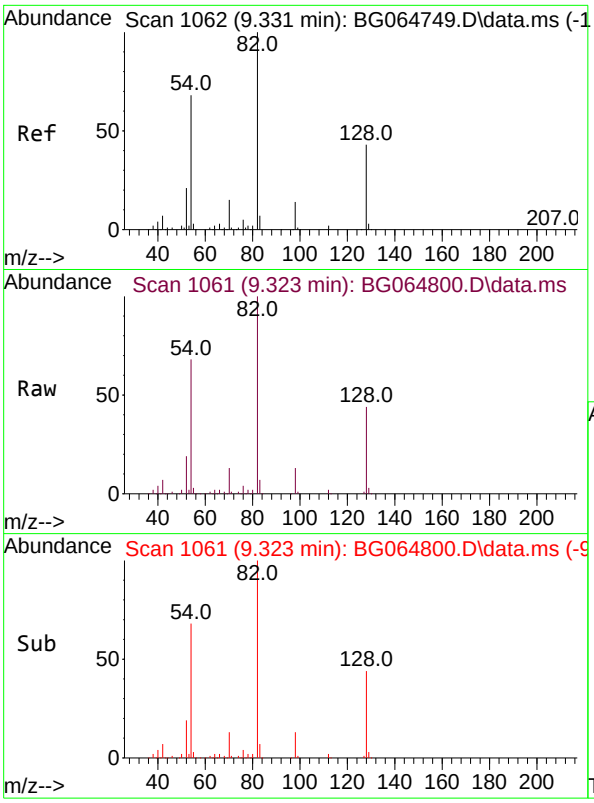


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 1343
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:136 Resp: 147034

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	13.2	9.3	13.9
68	5.9	5.0	7.6



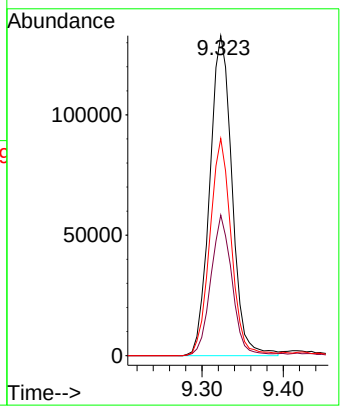


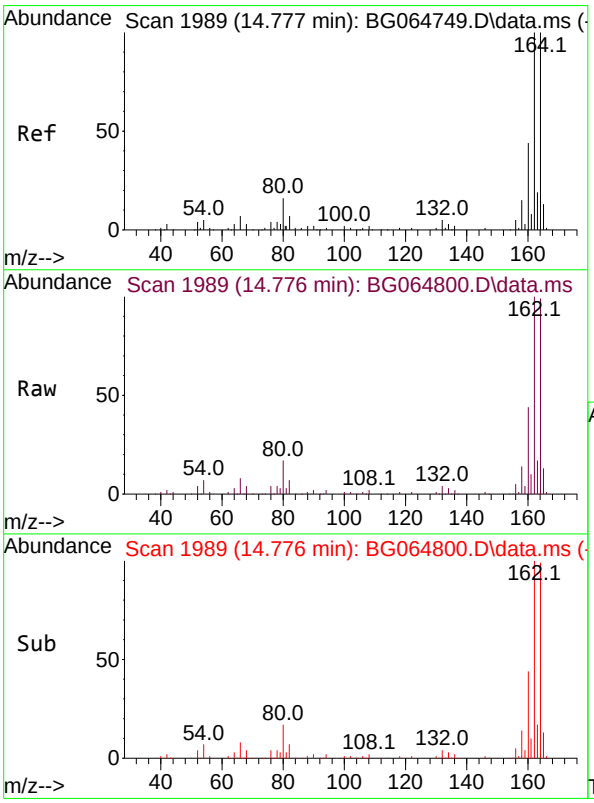
#23
Nitrobenzene-d5
Concen: 85.070 ng
RT: 9.323 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion: 82 Resp: 252984

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.1	51.1
54	67.8	54.3	81.5

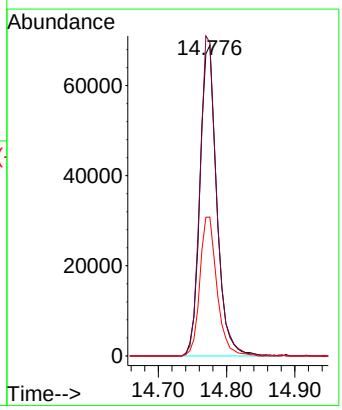


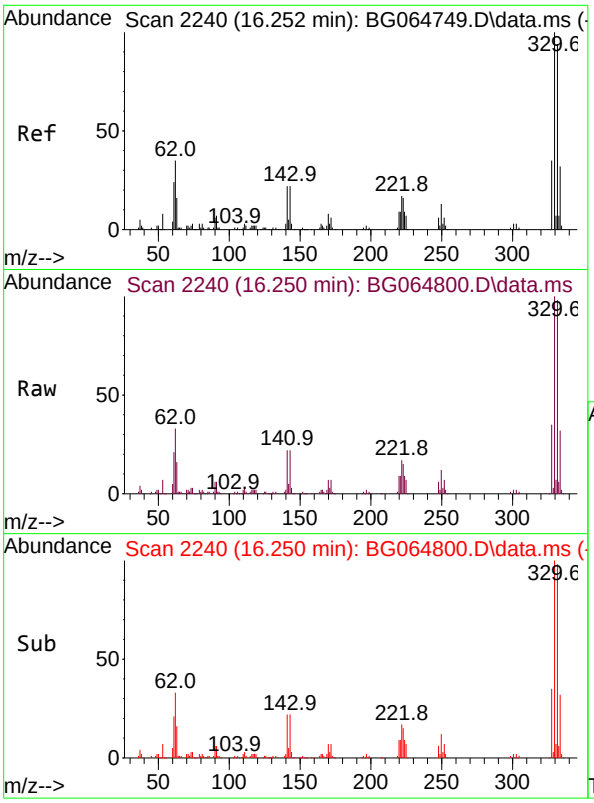


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:164 Resp: 118356

Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.8	119.6
160	44.7	34.9	52.3



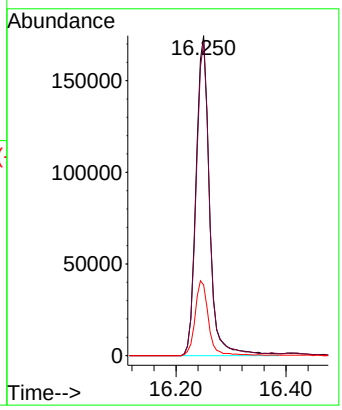


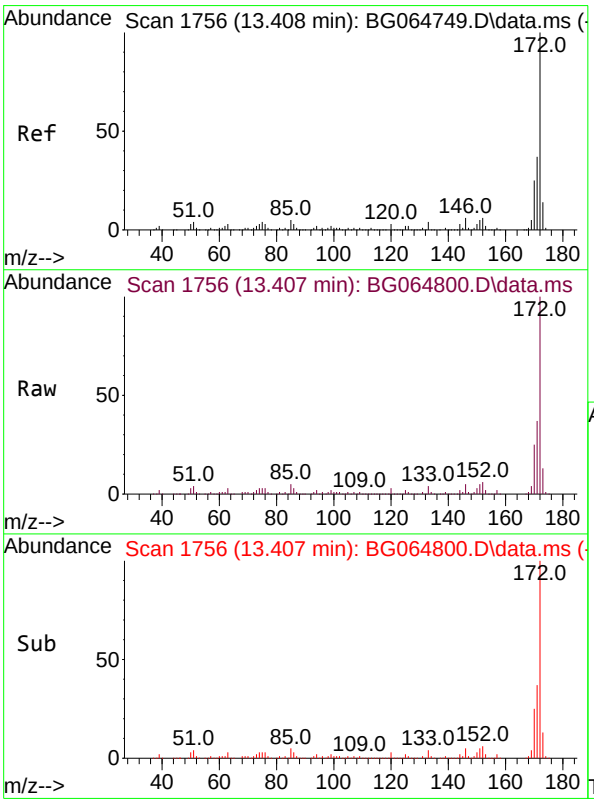
#42
2,4,6-Tribromophenol
Concen: 128.739 ng
RT: 16.250 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:330 Resp: 297170

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	23.2	18.2	27.2

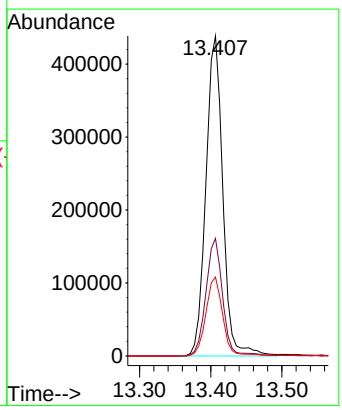


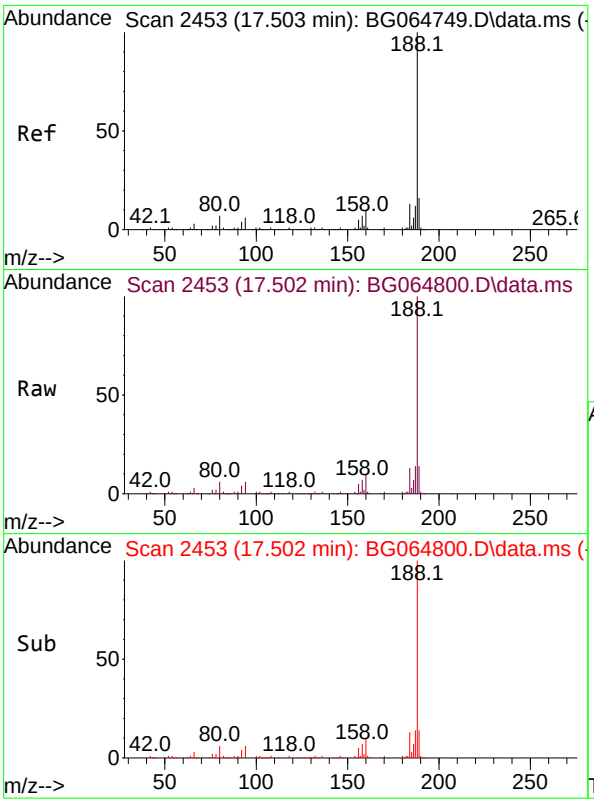


#45
2-Fluorobiphenyl
Concen: 85.343 ng
RT: 13.407 min Scan# 1756
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:172 Resp: 723900

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	24.6	19.8	29.6



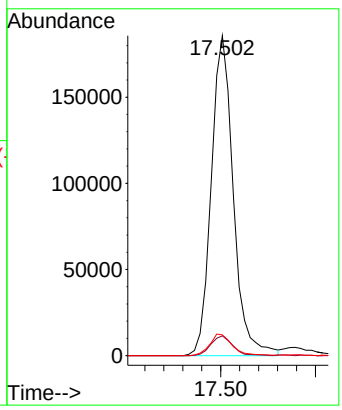


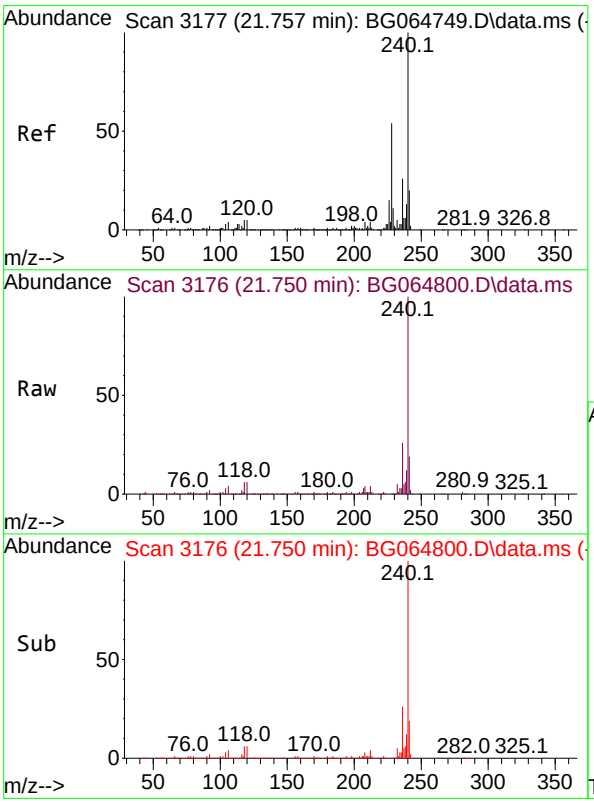
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:188 Resp: 299804

Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.7	7.1
80	6.5	5.4	8.2

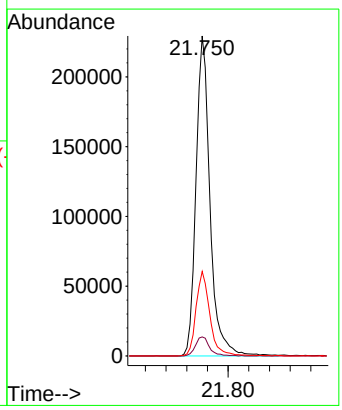


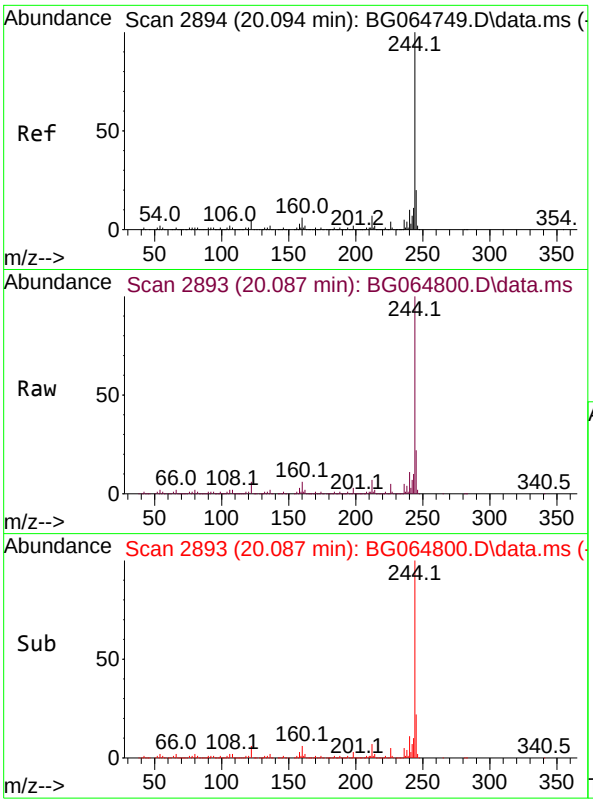


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:240 Resp: 430208

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.2	6.4
236	26.4	20.8	31.2



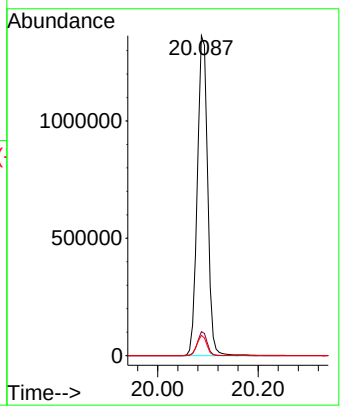


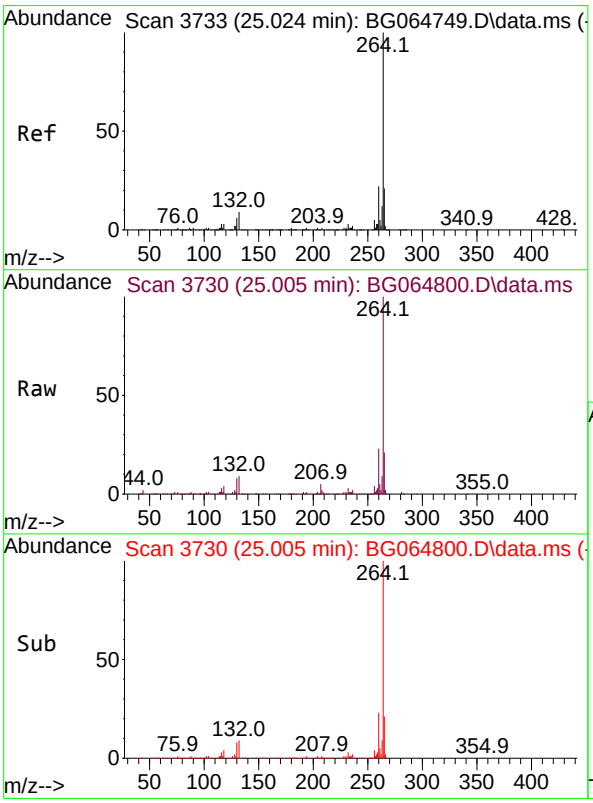
#79
Terphenyl-d14
Concen: 88.977 ng
RT: 20.087 min Scan# 28
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:244 Resp: 1945948

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	6.3	4.3	6.5

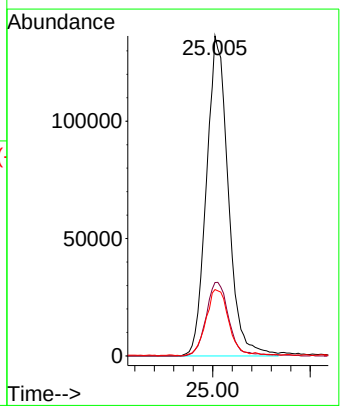




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.005 min Scan# 3730
Delta R.T. -0.019 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:264 Resp: 423715

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.2	25.8
265	20.7	16.6	25.0



Raw Data: **BG064801.D**

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB170598BS			SDG No.:	Q3483
Lab Sample ID:	PB170598BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOCMS Group4
Prep Method :	SW3541	Prep Date:	11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
1912-24-9	Atrazine	1400		1	34.0	170	ug/Kg	11/18/25 13:34	PB170598
SURROGATES									
367-12-4	2-Fluorophenol	130			10 - 105	86%	SPK: 150		
13127-88-3	Phenol-d6	131			10 - 103	87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	78.2			10 - 108	78%	SPK: 100		
321-60-8	2-Fluorobiphenyl	75.9			10 - 108	76%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	126			10 - 116	84%	SPK: 150		
1718-51-0	Terphenyl-d14	83.7			10 - 109	84%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	43200							
1146-65-2	Naphthalene-d8	174000							
15067-26-2	Acenaphthene-d10	142000							
1517-22-2	Phenanthrene-d10	368000							
1719-03-5	Chrysene-d12	443000							
1520-96-3	Perylene-d12	396000							

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\BG111825\
Data File : BG064801.D
Acq On : 18 Nov 2025 13:34
Operator : RC/JU
Sample : PB170598BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 14:10:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	43218	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	173831	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	141529	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	367810	20.000	ng	0.00
76) Chrysene-d12	21.753	240	443295	20.000	ng	0.00
86) Perylene-d12	25.009	264	396280	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	320607	129.541	ng	0.00
7) Phenol-d6	7.312	99	430380	130.743	ng	0.00
23) Nitrobenzene-d5	9.327	82	274952	78.205	ng	0.00
42) 2,4,6-Tribromophenol	16.254	330	348692	126.326	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	769531	75.868	ng	0.00
79) Terphenyl-d14	20.091	244	1887131	83.740	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	30686	32.027	ng	94
3) Pyridine	3.933	79	86035	30.137	ng	98
4) n-Nitrosodimethylamine	3.839	42	57035	39.253	ng	85
6) Aniline	7.476	93	138071	31.468	ng	98
8) 2-Chlorophenol	7.723	128	126216	46.445	ng	96
9) Benzaldehyde	7.288	77	45433	21.084	ng	96
10) Phenol	7.335	94	170064	47.483	ng	98
11) bis(2-Chloroethyl)ether	7.570	93	105576	41.425	ng	98
12) 1,3-Dichlorobenzene	8.052	146	128261	41.016	ng	98
13) 1,4-Dichlorobenzene	8.199	146	133859	42.039	ng	96
14) 1,2-Dichlorobenzene	8.522	146	131229	42.505	ng	99
15) Benzyl Alcohol	8.393	79	124304	46.005	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.686	45	238139	39.476	ng	97
17) 2-Methylphenol	8.598	107	117397	46.325	ng	99
18) Hexachloroethane	9.262	117	47516	39.400	ng	97
19) n-Nitroso-di-n-propyla...	8.968	70	95063	42.711	ng	94
20) 3+4-Methylphenols	8.927	107	159883	46.053	ng	93
22) Acetophenone	8.986	105	221689	46.810	ng	98
24) Nitrobenzene	9.368	77	148453	41.789	ng	99
25) Isophorone	9.897	82	275691	41.177	ng	97
26) 2-Nitrophenol	10.079	139	71917	45.009	ng	98
27) 2,4-Dimethylphenol	10.138	122	127345	44.861	ng	95
28) bis(2-Chloroethoxy)met...	10.373	93	159049	43.271	ng	100
29) 2,4-Dichlorophenol	10.620	162	144305	47.349	ng	98
30) 1,2,4-Trichlorobenzene	10.843	180	158061	42.950	ng	96
31) Naphthalene	11.031	128	403850	40.983	ng	99
32) Benzoic acid	10.279	122	90686	45.600	ng	98
33) 4-Chloroaniline	11.131	127	86450	21.931	ng	96
34) Hexachlorobutadiene	11.319	225	122831	38.900	ng	97
35) Caprolactam	11.894	113	43550m	47.776	ng	
36) 4-Chloro-3-methylphenol	12.235	107	157593	46.458	ng	98
37) 2-Methylnaphthalene	12.623	142	277614	37.647	ng	97
38) 1-Methylnaphthalene	12.840	142	290858	39.707	ng	99
40) 1,2,4,5-Tetrachloroben...	12.987	216	246950	44.836	ng	98
41) Hexachlorocyclopentadiene	12.970	237	268004	67.885	ng	96
43) 2,4,6-Trichlorophenol	13.216	196	145125	44.893	ng	97

Sample Results: **BG064801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064801.D
Acq On : 18 Nov 2025 13:34
Operator : RC/JU
Sample : PB170598BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 14:10:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	165963	45.775	ng		97
46) 1,1'-Biphenyl	13.616	154	470212	46.257	ng		97
47) 2-Chloronaphthalene	13.663	162	328320	40.997	ng		98
48) 2-Nitroaniline	13.851	65	120555	46.803	ng		98
49) Acenaphthylene	14.497	152	586359	42.858	ng		97
50) Dimethylphthalate	14.221	163	484501	43.337	ng		98
51) 2,6-Dinitrotoluene	14.339	165	102738	47.757	ng		92
52) Acenaphthene	14.838	154	410238	50.009	ng		98
53) 3-Nitroaniline	14.662	138	75948	35.770	ng		92
54) 2,4-Dinitrophenol	14.867	184	139949	93.363	ng		96
55) Dibenzofuran	15.167	168	581920	42.909	ng		97
56) 4-Nitrophenol	14.967	139	170404	101.154	ng		94
57) 2,4-Dinitrotoluene	15.120	165	153542	47.607	ng		96
58) Fluorene	15.813	166	457504	43.012	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.390	232	179384	50.146	ng		96
60) Diethylphthalate	15.573	149	473056	44.170	ng		99
61) 4-Chlorophenyl-phenyle...	15.802	204	270621	42.394	ng		99
62) 4-Nitroaniline	15.819	138	105045	47.756	ng		89
63) Azobenzene	16.090	77	397385	44.610	ng		99
65) 4,6-Dinitro-2-methylph...	15.878	198	102654	50.267	ng		96
66) n-Nitrosodiphenylamine	16.013	169	421718	43.773	ng		98
67) 4-Bromophenyl-phenylether	16.689	248	204256	42.288	ng		98
68) Hexachlorobenzene	16.812	284	242834	41.496	ng		99
69) Atrazine	16.947	200	197821	42.588	ng		97
70) Pentachlorophenol	17.153	266	327276	93.392	ng		98
71) Phenanthrene	17.547	178	866605	43.063	ng		99
72) Anthracene	17.635	178	867959	42.298	ng		99
73) Carbazole	17.899	167	774488	43.904	ng		100
74) Di-n-butylphthalate	18.446	149	850709	43.226	ng		99
75) Fluoranthene	19.538	202	1137730	41.344	ng		99
77) Benzidine	19.709	184	237348	17.878	ng		99
78) Pyrene	19.897	202	1185154	47.702	ng		99
80) Butylbenzylphthalate	20.766	149	402517	46.061	ng		97
81) Benzo(a)anthracene	21.736	228	1279527	42.449	ng		99
82) 3,3'-Dichlorobenzidine	21.642	252	327800	29.546	ng		99
83) Chrysene	21.801	228	1213460	42.701	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	553281	43.327	ng		99
85) Di-n-octyl phthalate	22.852	149	927516	42.020	ng		98
87) Indeno(1,2,3-cd)pyrene	28.745	276	1314214	48.271	ng	#	95
88) Benzo(b)fluoranthene	23.974	252	1203332	47.716	ng		99
89) Benzo(k)fluoranthene	24.045	252	1244574	49.123	ng		99
90) Benzo(a)pyrene	24.862	252	1127879	48.213	ng	#	97
91) Dibenzo(a,h)anthracene	28.816	278	1096913	49.180	ng		96
92) Benzo(g,h,i)perylene	29.909	276	1057418	49.262	ng		95

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

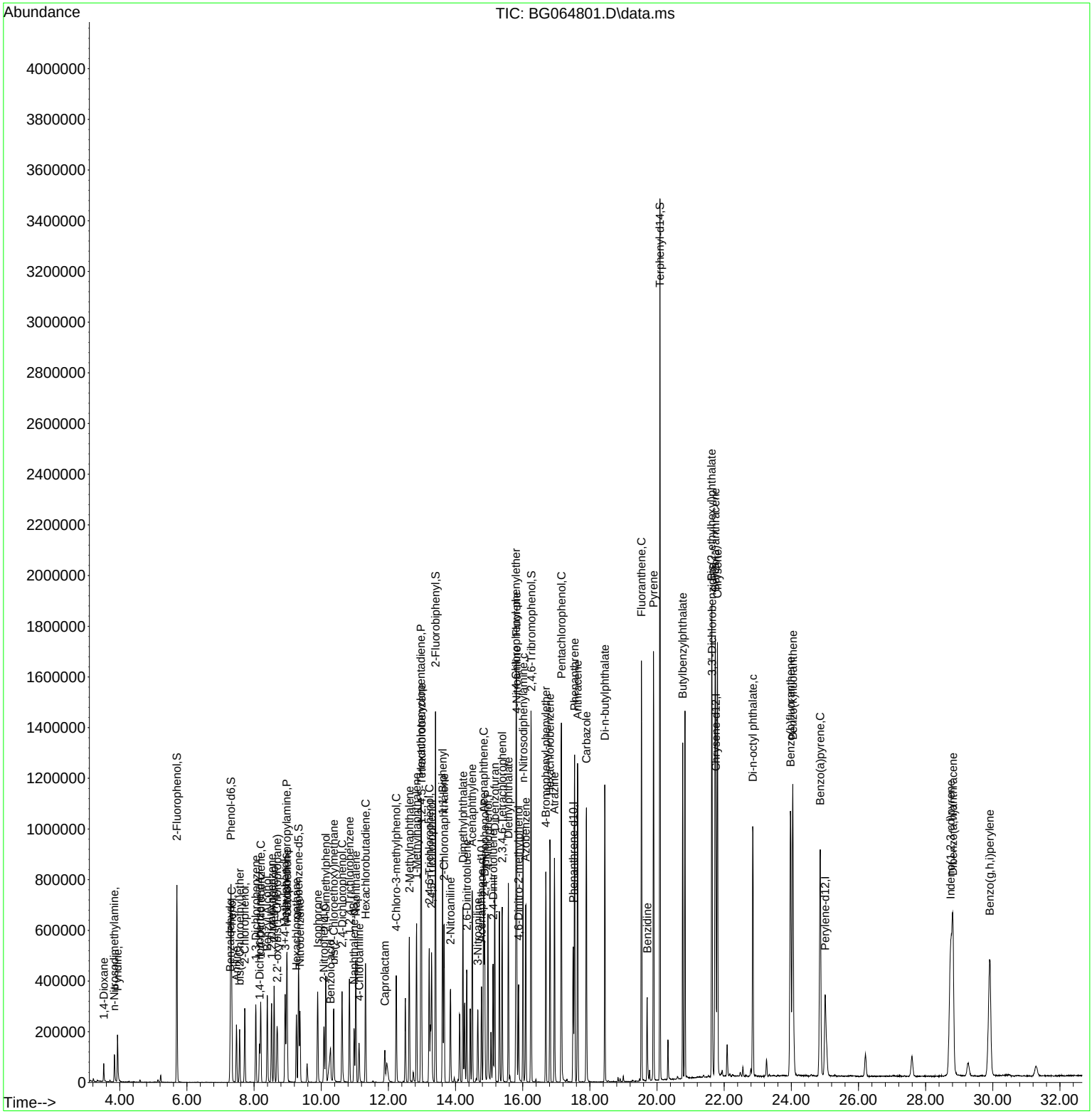
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064801.D
Acq On : 18 Nov 2025 13:34
Operator : RC/JU
Sample : PB170598BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

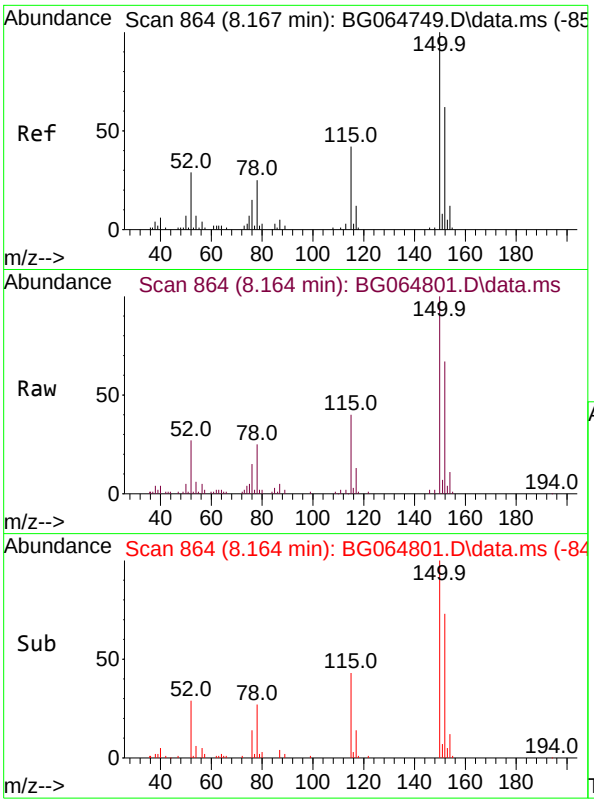
Quant Time: Nov 18 14:10:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

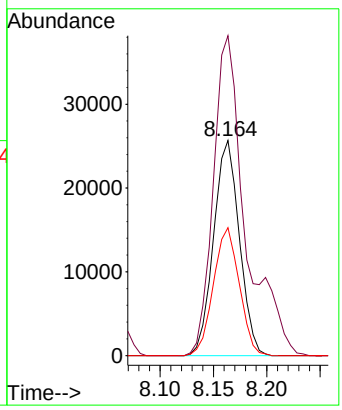




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:152 Resp: 4321

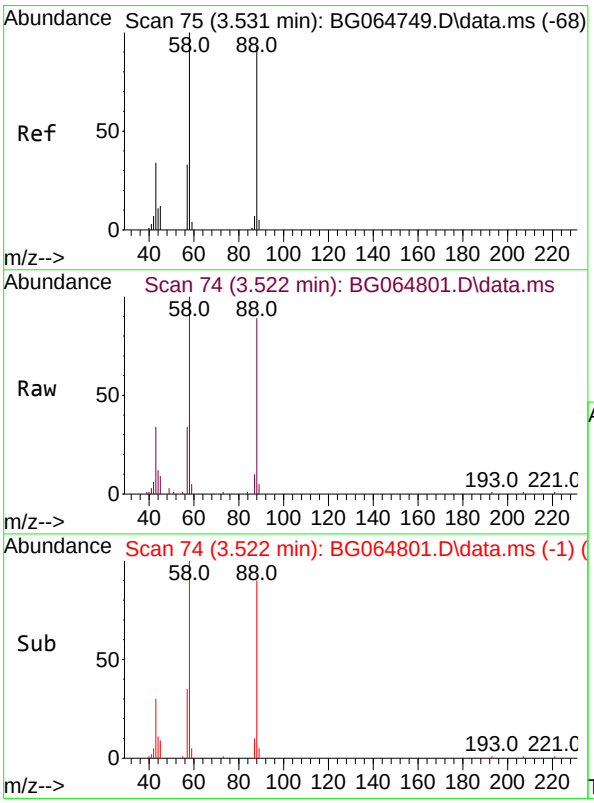
Ion	Ratio	Lower	Upper
152	100		
150	148.8	129.2	193.8
115	59.4	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

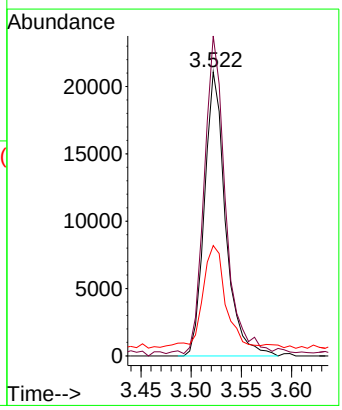
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

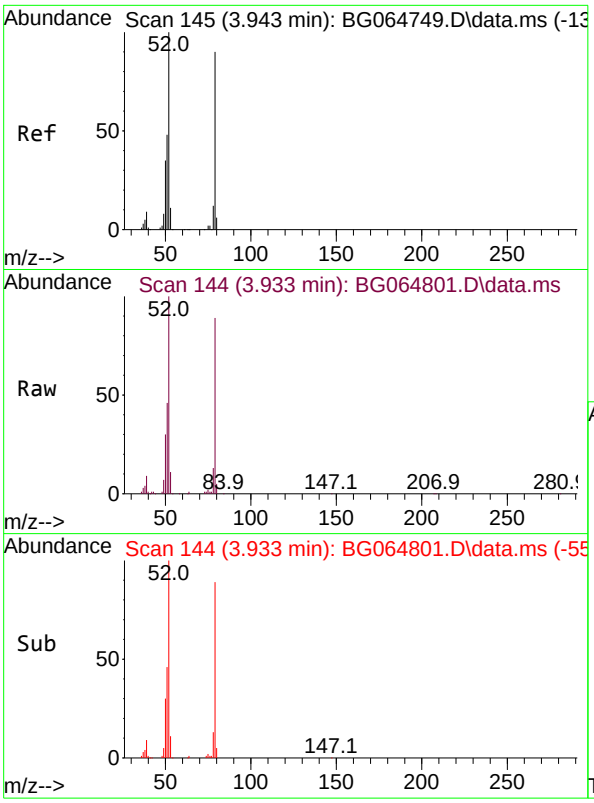


#2
1,4-Dioxane
Concen: 32.027 ng
RT: 3.522 min Scan# 74
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 88 Resp: 30686

Ion	Ratio	Lower	Upper
88	100		
58	112.9	84.6	126.8
43	38.6	30.0	45.0

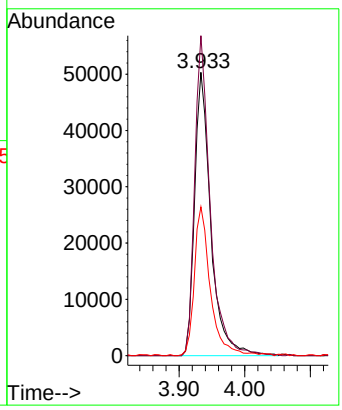




#3
Pyridine
Concen: 30.137 ng
RT: 3.933 min Scan# 14
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 79 Resp: 8603

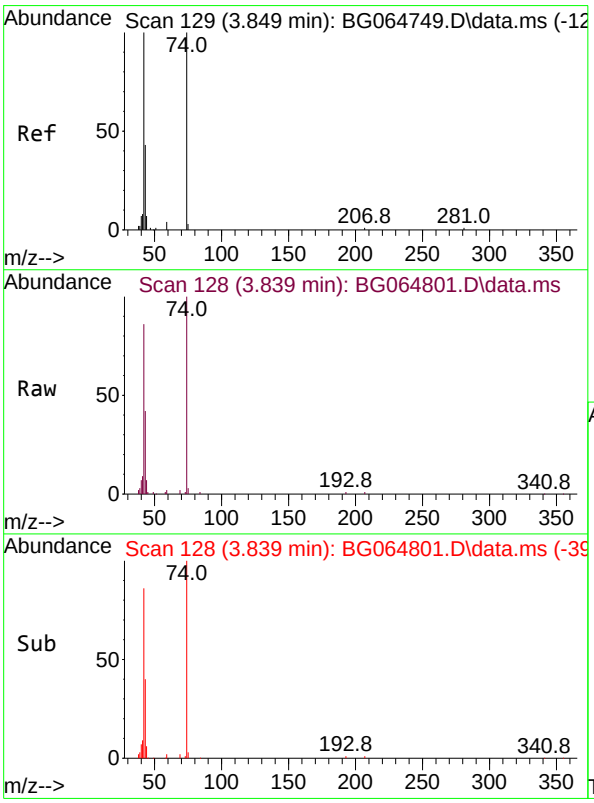
Ion	Ratio	Lower	Upper
79	100		
52	112.9	89.0	133.4
51	52.5	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

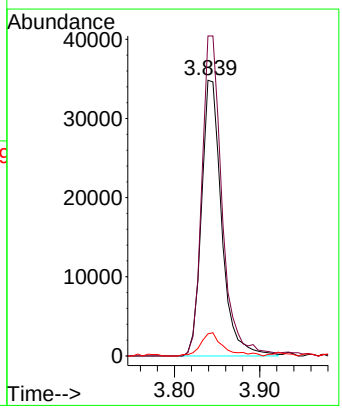
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

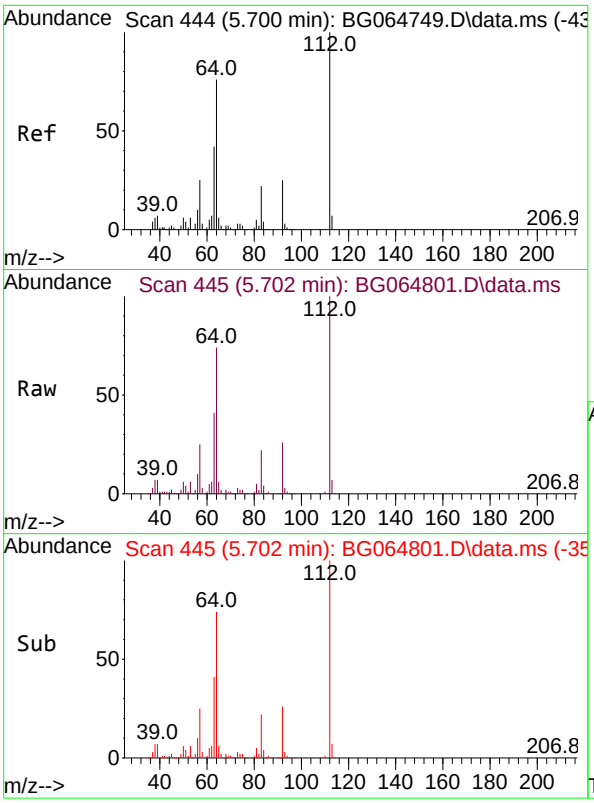


#4
n-Nitrosodimethylamine
Concen: 39.253 ng
RT: 3.839 min Scan# 128
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 42 Resp: 57035

Ion	Ratio	Lower	Upper
42	100		
74	116.1	79.8	119.6
44	8.0	5.9	8.9

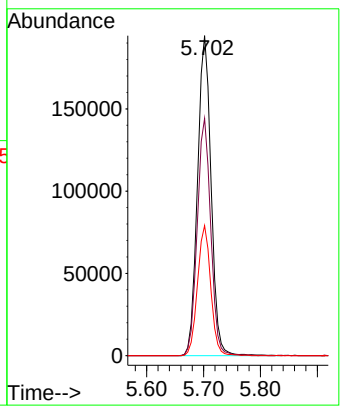




#5
2-Fluorophenol
Concen: 129.541 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:112 Resp: 32060

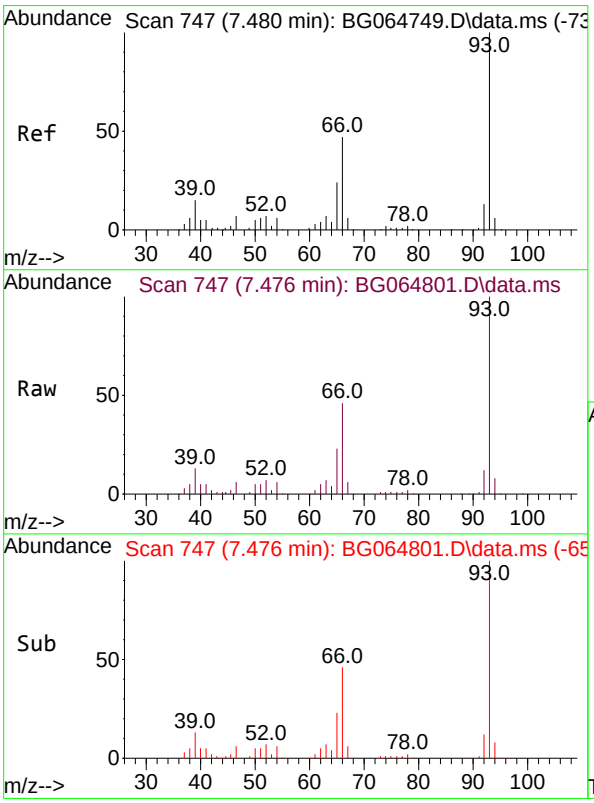
Ion	Ratio	Lower	Upper
112	100		
64	74.1	61.0	91.4
63	40.6	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

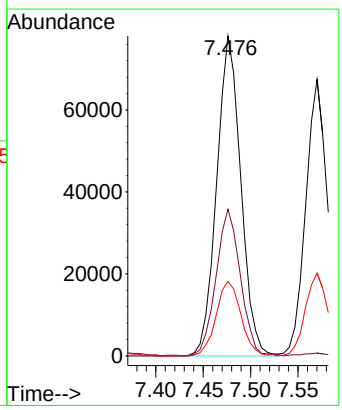
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

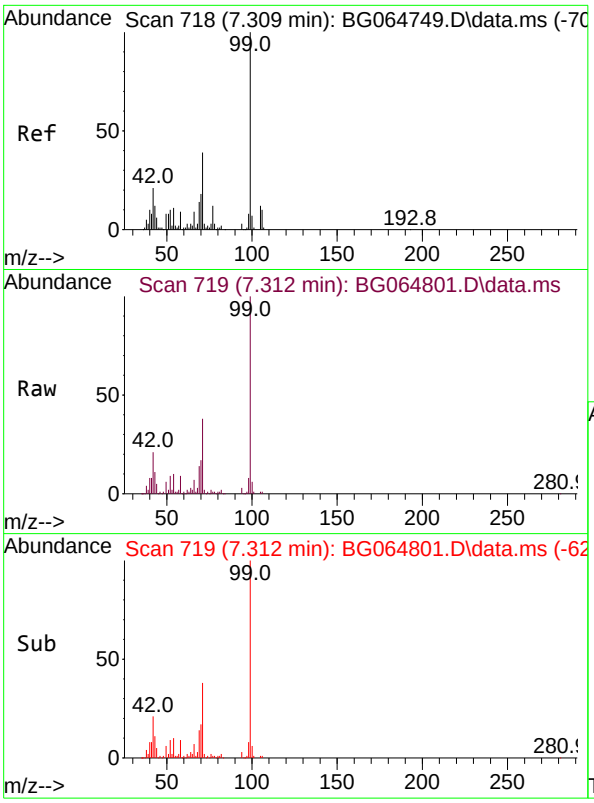


#6
Aniline
Concen: 31.468 ng
RT: 7.476 min Scan# 747
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 93 Resp: 138071

Ion	Ratio	Lower	Upper
93	100		
66	45.8	37.7	56.5
65	23.2	19.1	28.7

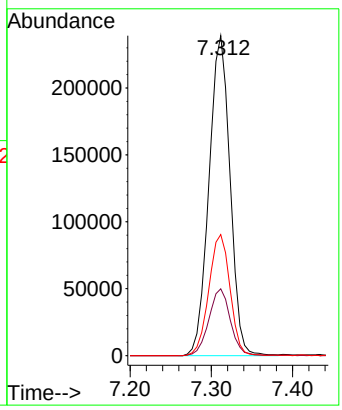




#7
Phenol-d6
Concen: 130.743 ng
RT: 7.312 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 99 Resp: 43038

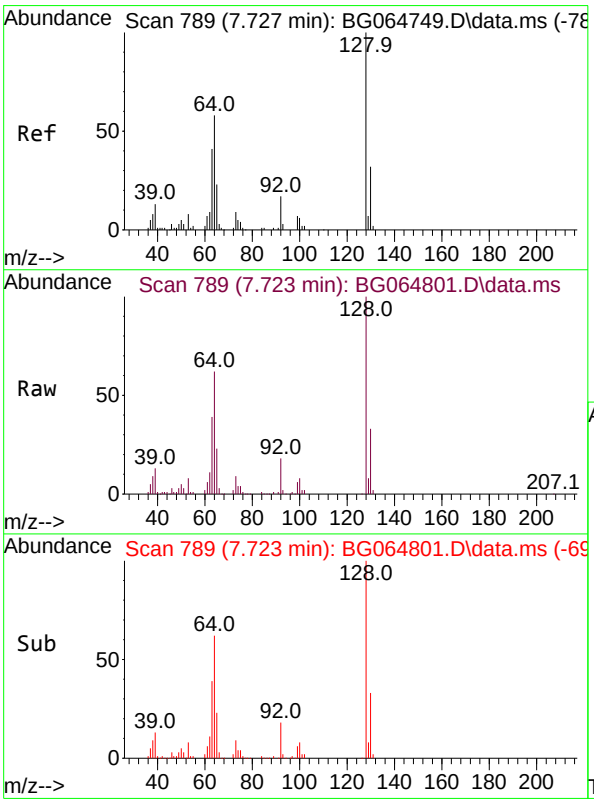
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.8	25.2
71	37.8	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

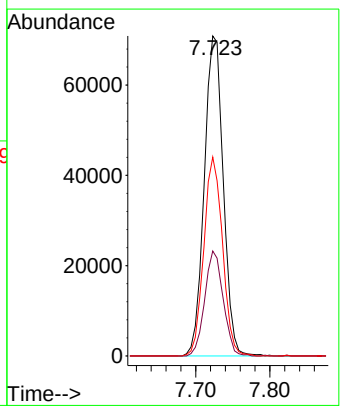
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

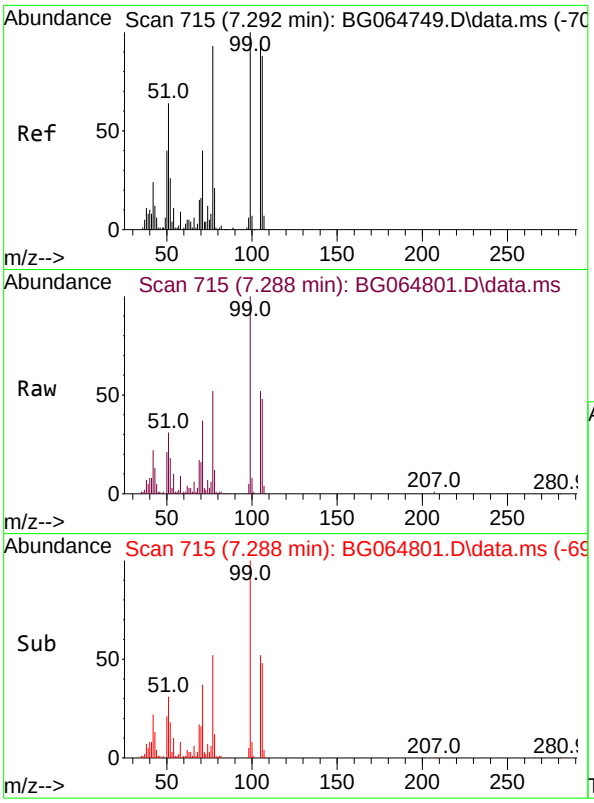


#8
2-Chlorophenol
Concen: 46.445 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:128 Resp: 126216

Ion	Ratio	Lower	Upper
128	100		
130	32.8	11.9	51.9
64	62.1	38.4	78.4

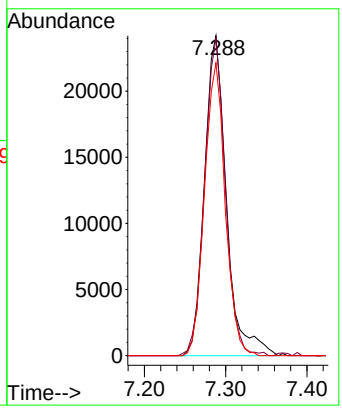




#9
Benzaldehyde
Concen: 21.084 ng
RT: 7.288 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 77 Resp: 4543

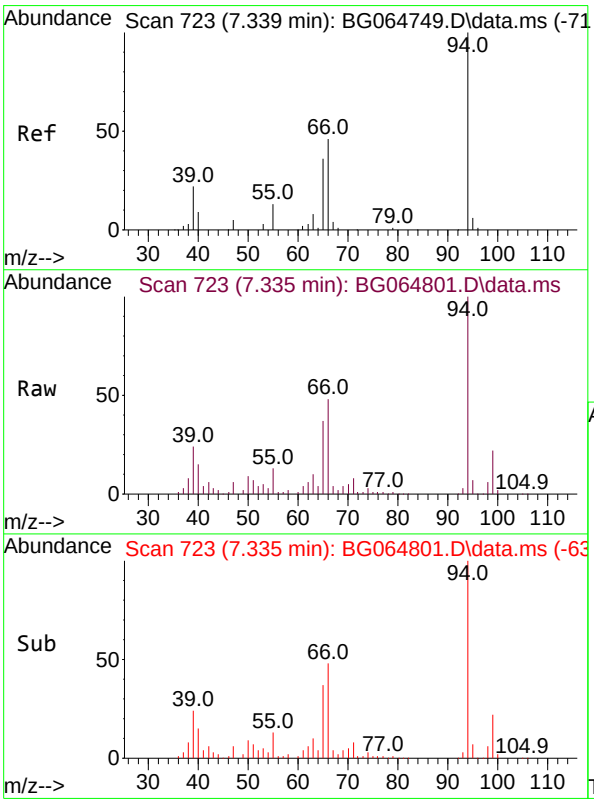
Ion	Ratio	Lower	Upper
77	100		
105	99.1	83.8	123.8
106	91.4	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

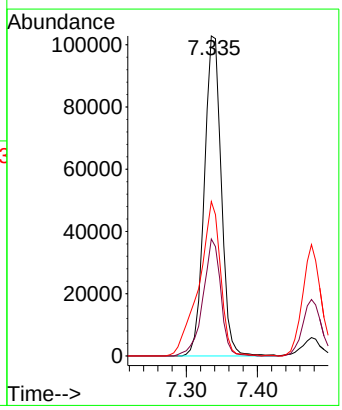
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

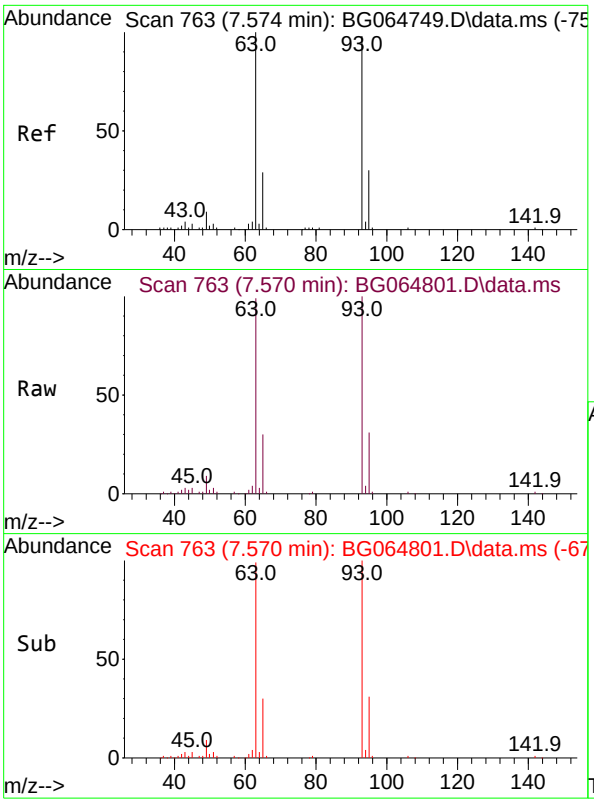


#10
Phenol
Concen: 47.483 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 94 Resp: 170064

Ion	Ratio	Lower	Upper
94	100		
65	36.5	17.0	57.0
66	48.2	29.8	69.8

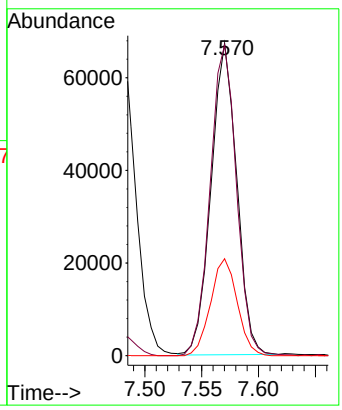




#11
bis(2-Chloroethyl)ether
Concen: 41.425 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 93 Resp: 10557

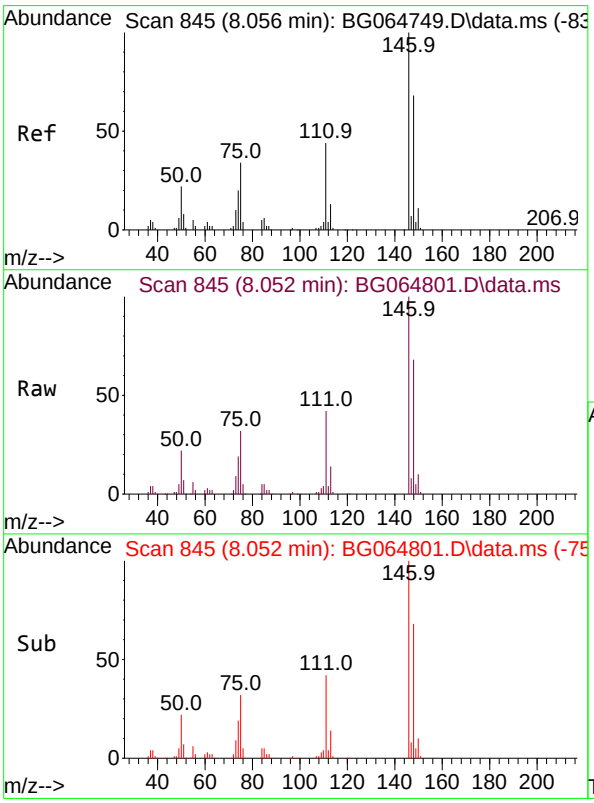
Ion	Ratio	Lower	Upper
93	100		
63	99.4	81.8	121.8
95	31.0	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

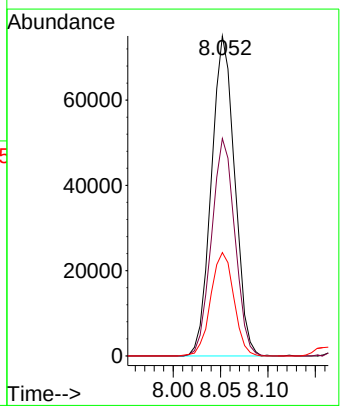
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

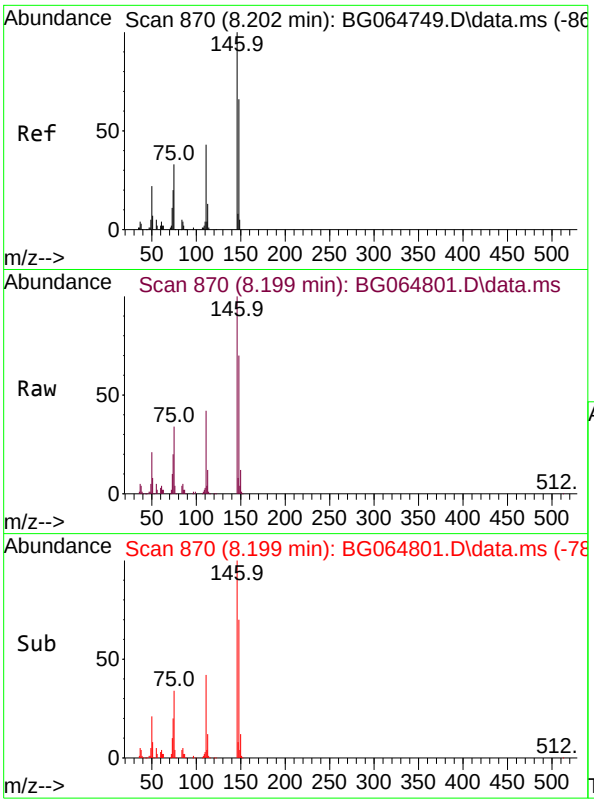


#12
1,3-Dichlorobenzene
Concen: 41.016 ng
RT: 8.052 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:146 Resp: 128261

Ion	Ratio	Lower	Upper
146	100		
148	67.9	54.6	82.0
75	32.3	27.6	41.4

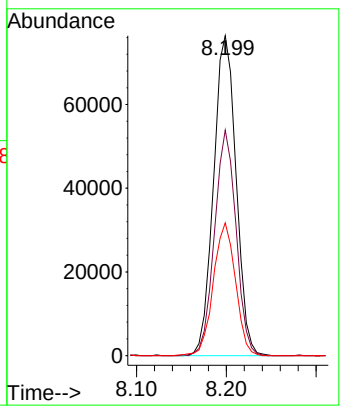




#13
1,4-Dichlorobenzene
Concen: 42.039 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:146 Resp: 13385

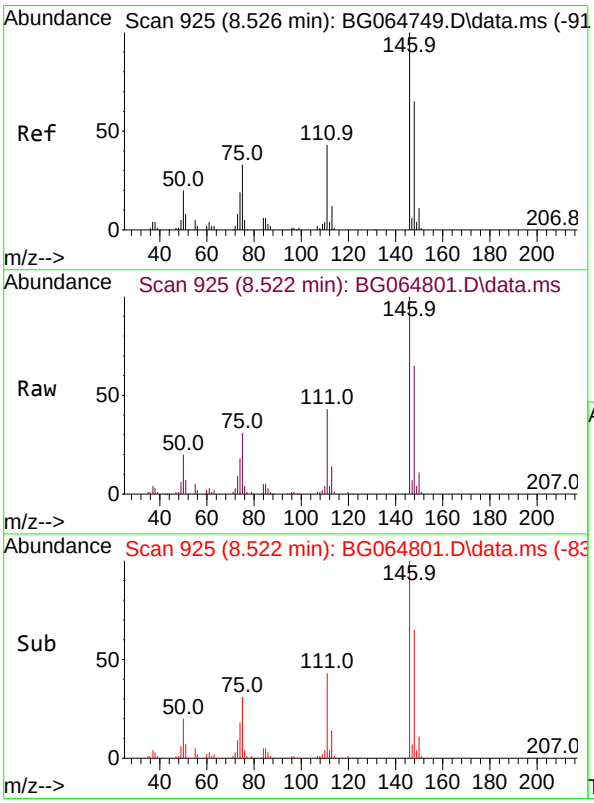
Ion	Ratio	Lower	Upper
146	100		
148	70.5	53.1	79.7
111	41.5	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

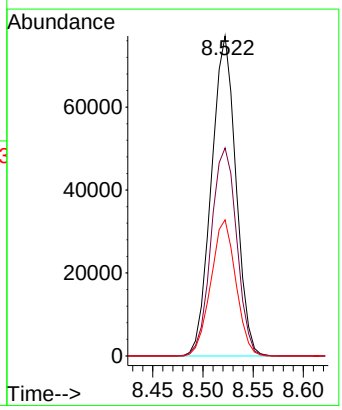
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

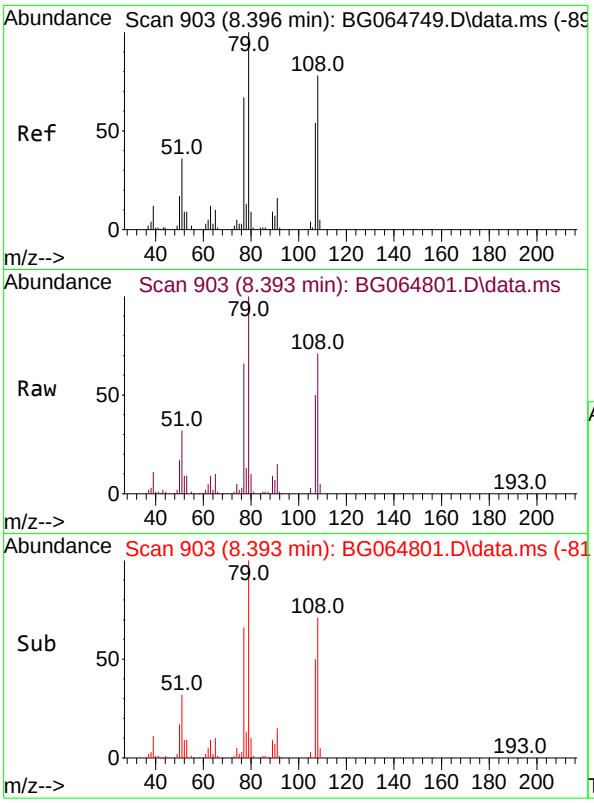


#14
1,2-Dichlorobenzene
Concen: 42.505 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:146 Resp: 131229

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	42.5	34.7	52.1





#15
Benzyl Alcohol
Concen: 46.005 ng
RT: 8.393 min Scan# 90
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

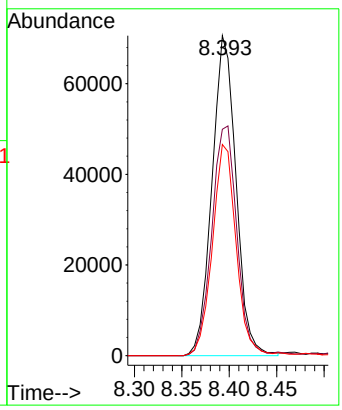
Tgt Ion: 79 Resp: 12430

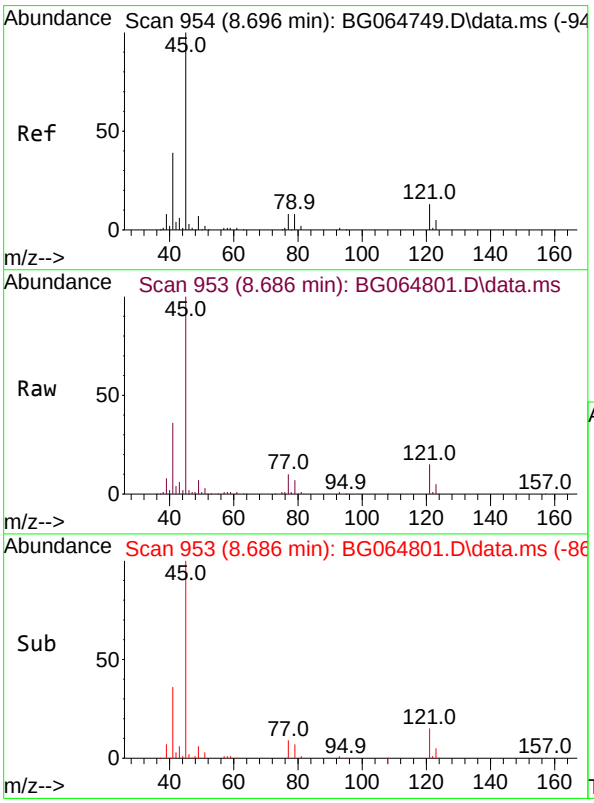
Ion	Ratio	Lower	Upper
79	100		
108	70.7	62.3	93.5
77	66.0	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

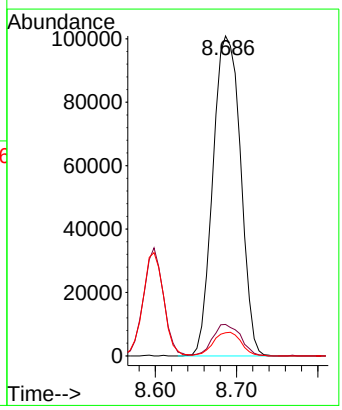


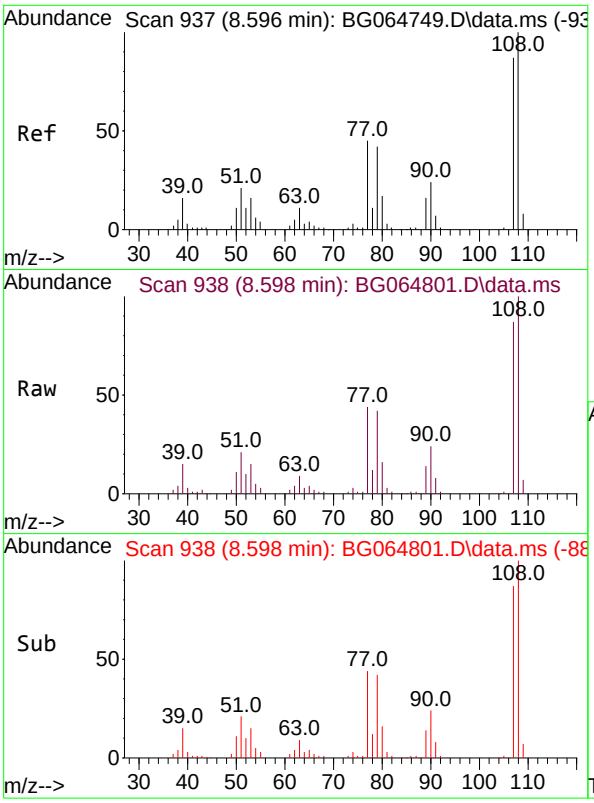


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.476 ng
RT: 8.686 min Scan# 953
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 45 Resp: 238139

Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	28.8
79	7.2	0.0	28.1

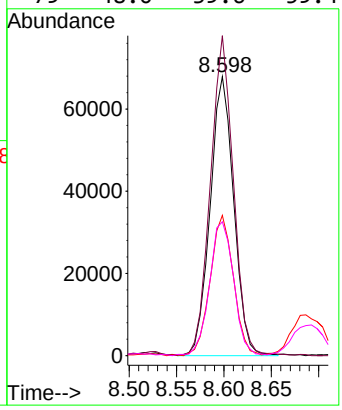




#17
2-Methylphenol
Concen: 46.325 ng
RT: 8.598 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:107 Resp: 11739

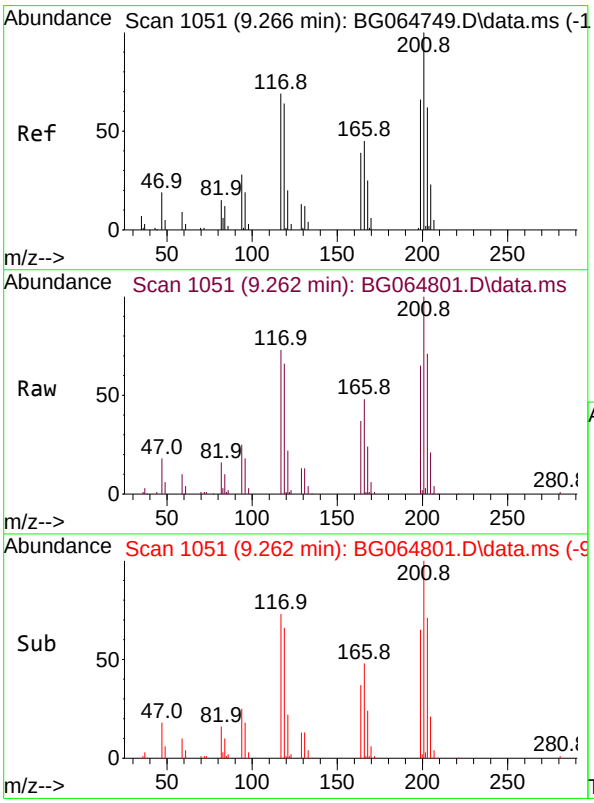
Ion	Ratio	Lower	Upper
107	100		
108	114.7	92.6	138.8
77	50.3	41.2	61.8
79	48.0	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

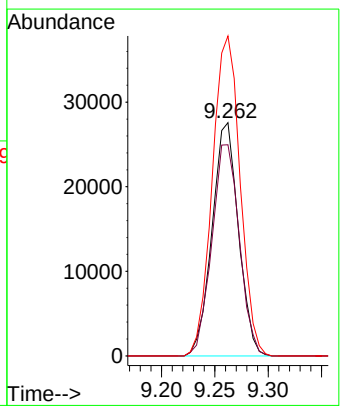
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

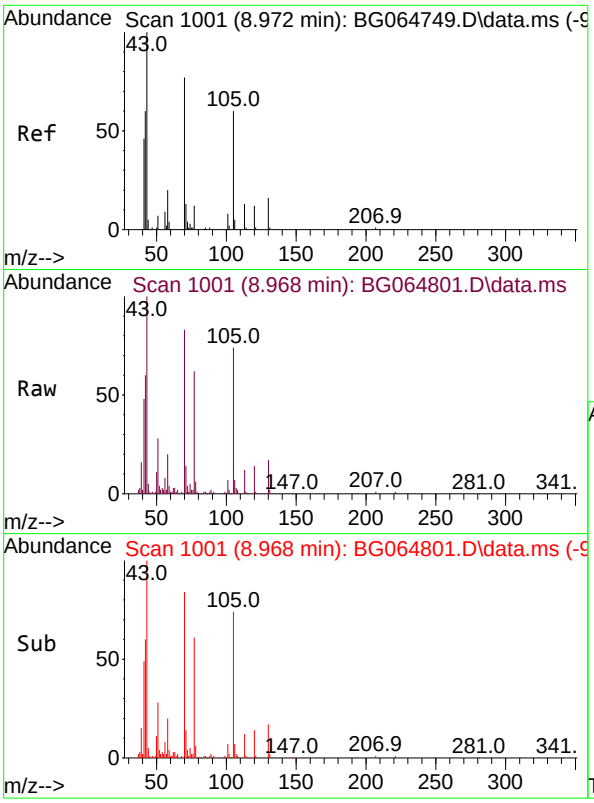


#18
Hexachloroethane
Concen: 39.400 ng
RT: 9.262 min Scan# 1051
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:117 Resp: 47516

Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.4	111.6
201	140.9	116.5	174.7

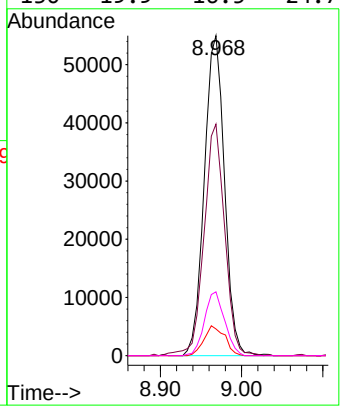




#19
n-Nitroso-di-n-propylamine
Concen: 42.711 ng
RT: 8.968 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 70 Resp: 9506

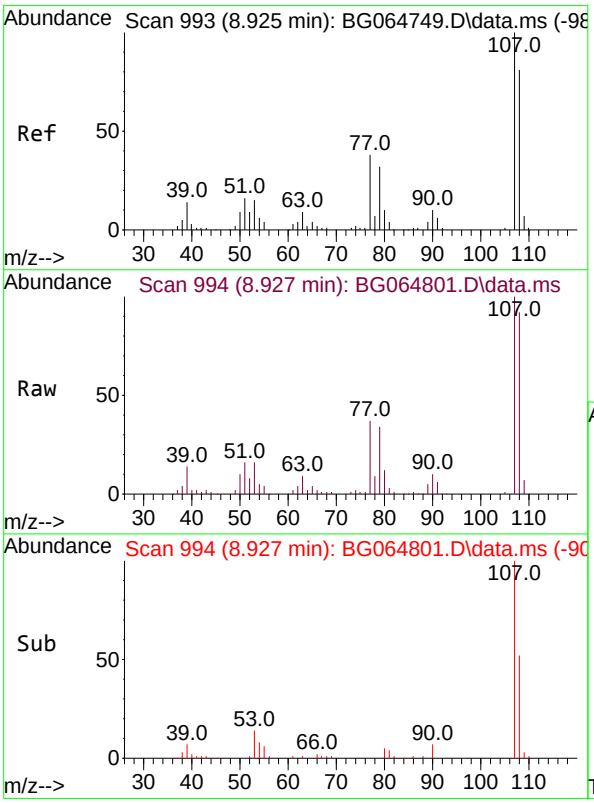
Ion	Ratio	Lower	Upper
70	100		
42	72.3	62.6	93.8
101	8.3	8.0	12.0
130	19.9	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

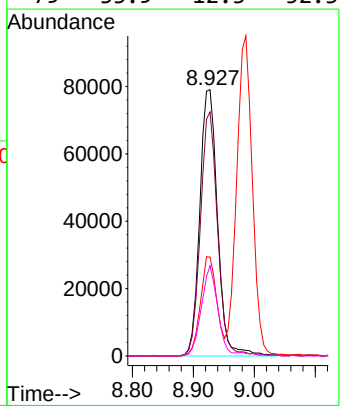
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

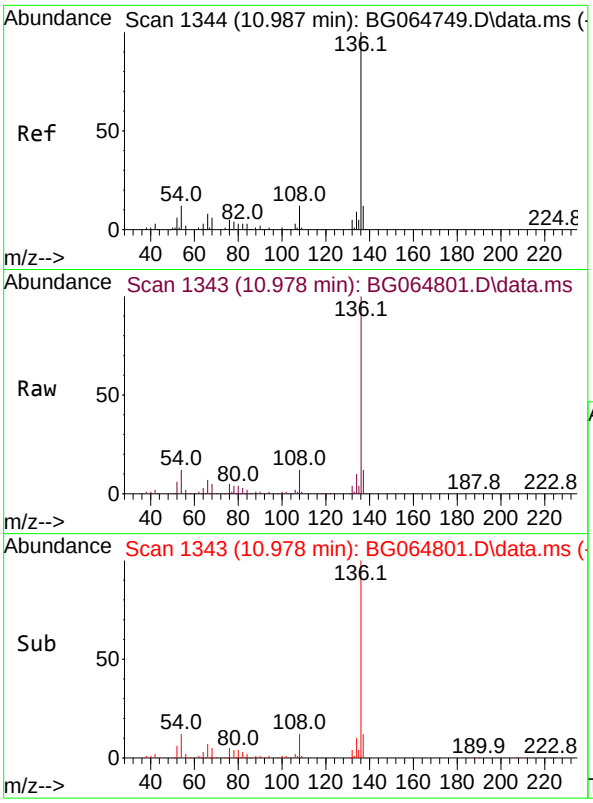


#20
3+4-Methylphenols
Concen: 46.053 ng
RT: 8.927 min Scan# 994
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:107 Resp: 159883

Ion	Ratio	Lower	Upper
107	100		
108	91.6	61.0	101.0
77	37.1	17.6	57.6
79	33.9	12.3	52.3

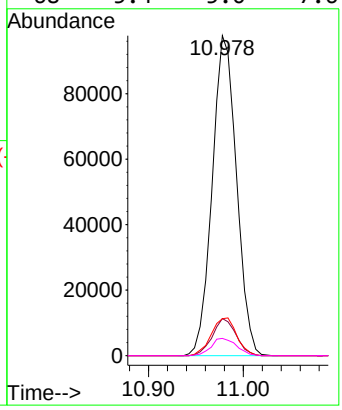




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:136 Resp: 17383

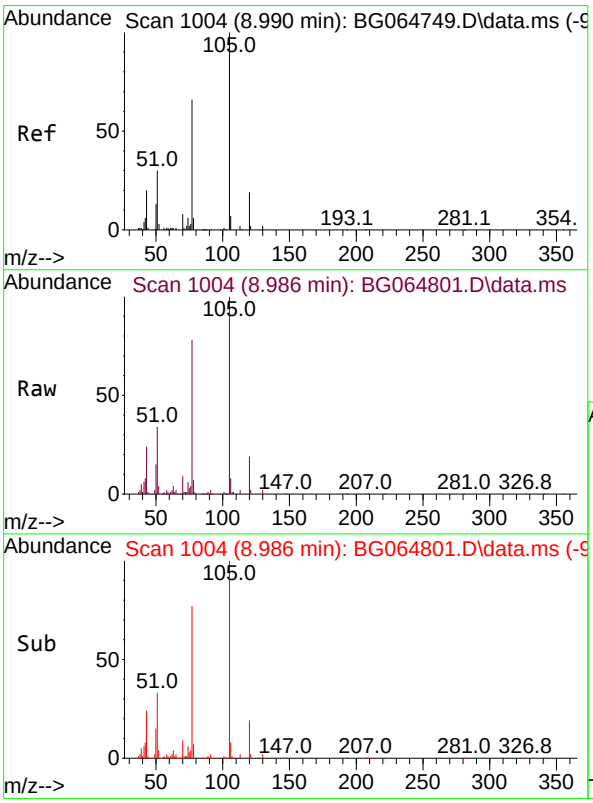
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	11.5	9.3	13.9
68	5.4	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

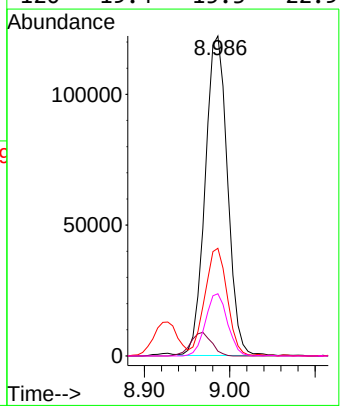
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

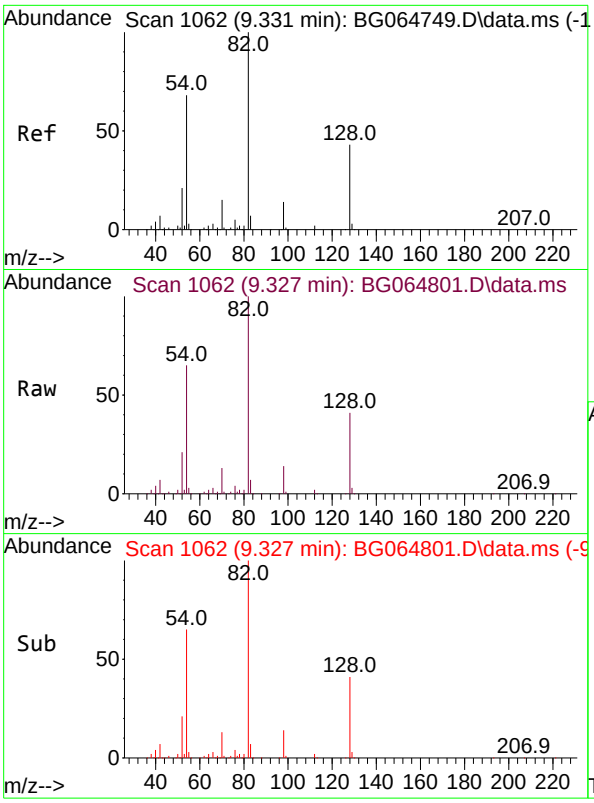


#22
Acetophenone
Concen: 46.810 ng
RT: 8.986 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:105 Resp: 221689

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.3	1.9
51	33.6	27.9	41.9
120	19.4	15.3	22.9

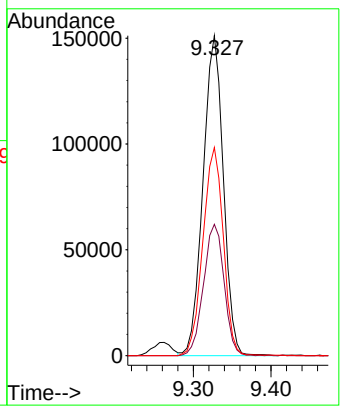




#23
Nitrobenzene-d5
Concen: 78.205 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 82 Resp: 27495

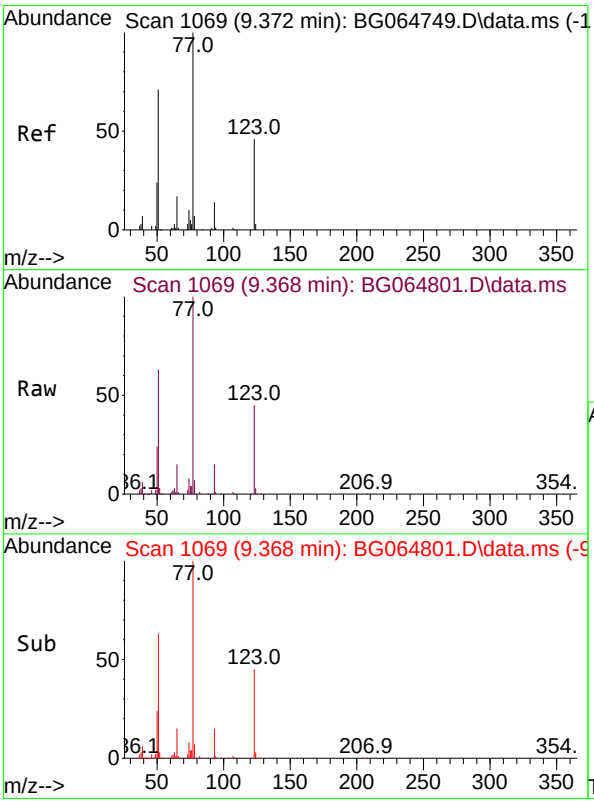
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.1	51.1
54	65.0	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

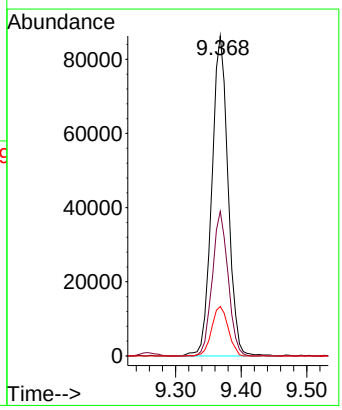
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

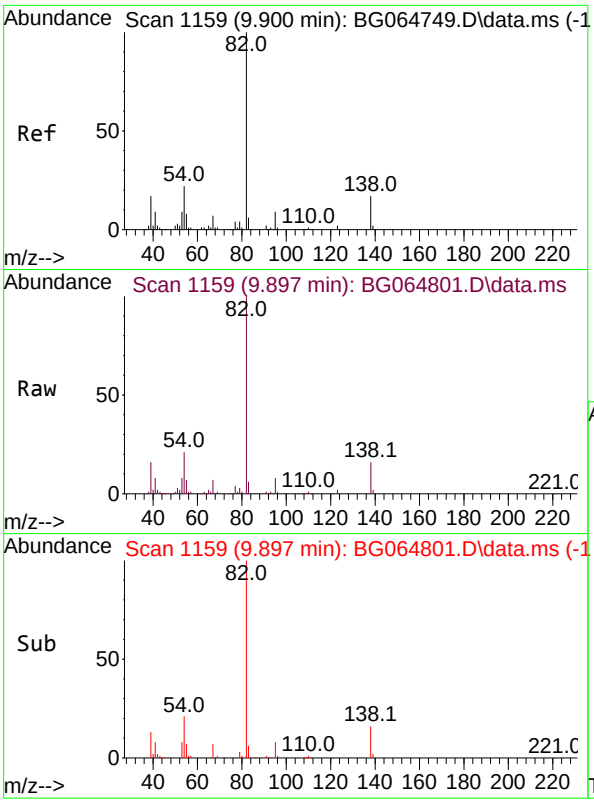


#24
Nitrobenzene
Concen: 41.789 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 77 Resp: 148453

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.5	54.7
65	15.5	13.5	20.3





#25
Isophorone
Concen: 41.177 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

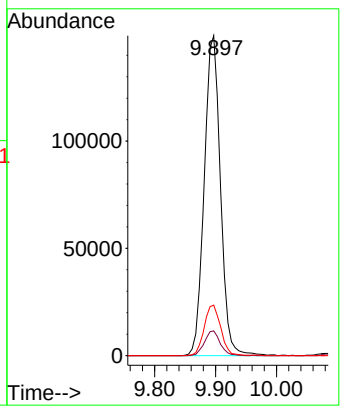
Tgt Ion: 82 Resp: 27569

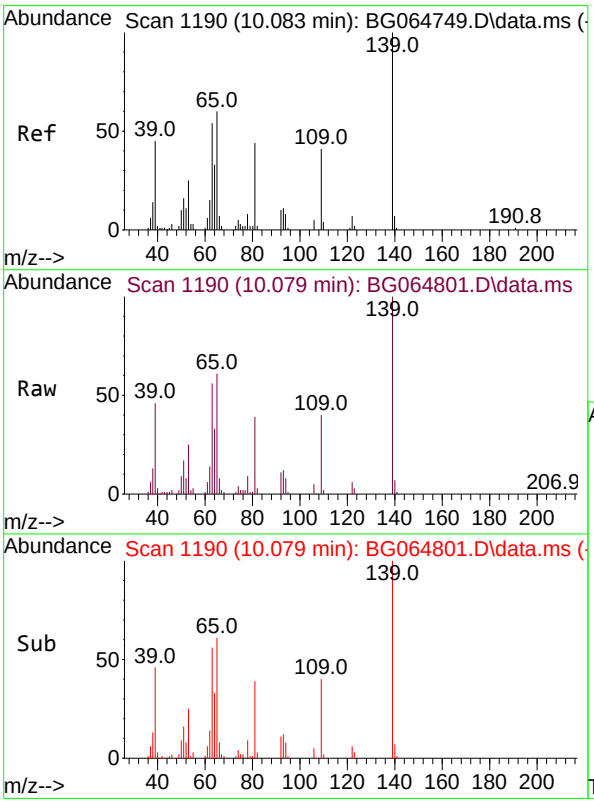
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.9	10.3
138	15.8	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

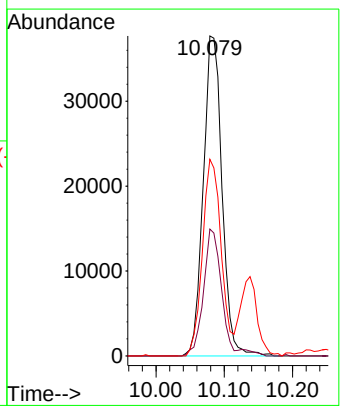


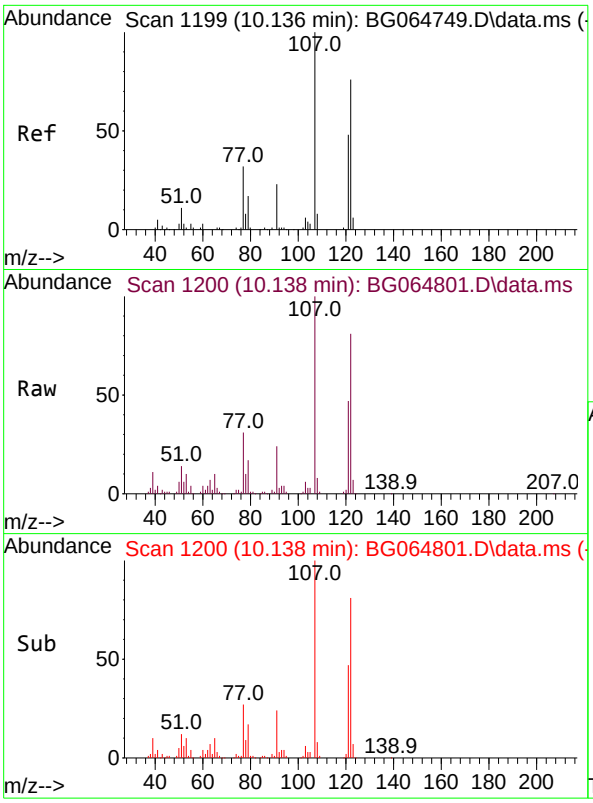


#26
2-Nitrophenol
Concen: 45.009 ng
RT: 10.079 min Scan# 1190
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:139 Resp: 71917

Ion	Ratio	Lower	Upper
139	100		
109	39.6	32.5	48.7
65	61.4	47.6	71.4

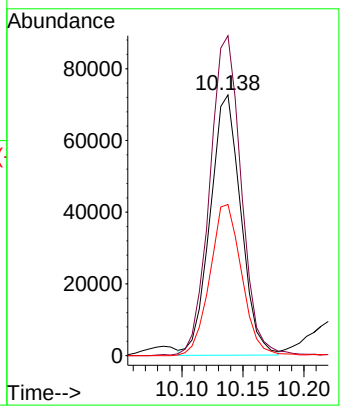




#27
2,4-Dimethylphenol
Concen: 44.861 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:122 Resp: 12734

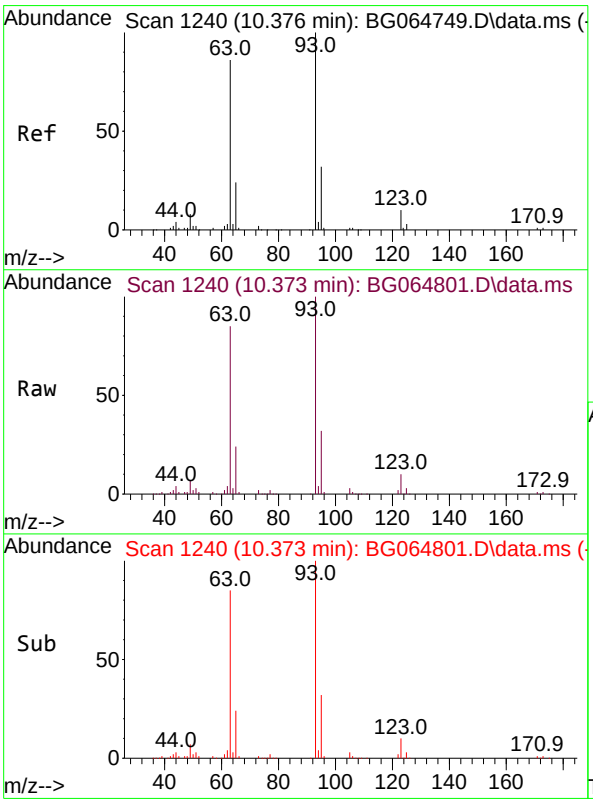
Ion	Ratio	Lower	Upper
122	100		
107	122.8	102.5	153.7
121	58.0	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

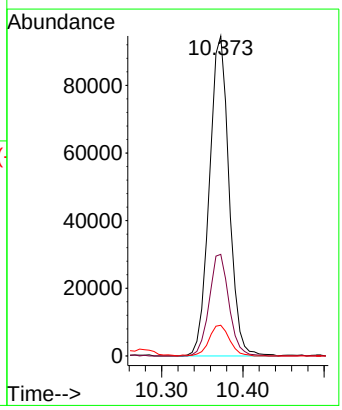
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

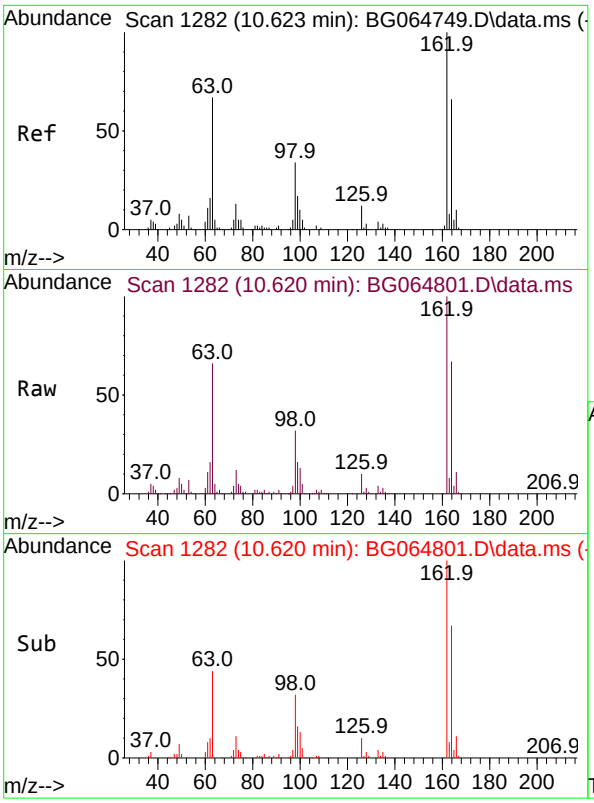


#28
bis(2-Chloroethoxy)methane
Concen: 43.271 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 93 Resp: 159049

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.6	8.1	12.1





#29
2,4-Dichlorophenol
Concen: 47.349 ng
RT: 10.620 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

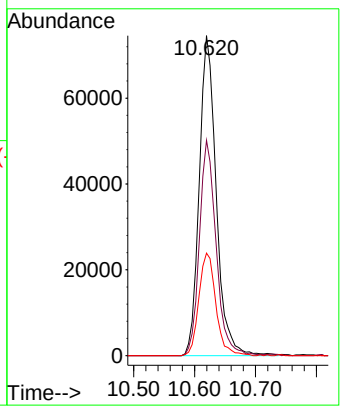
Tgt Ion:162 Resp: 14430

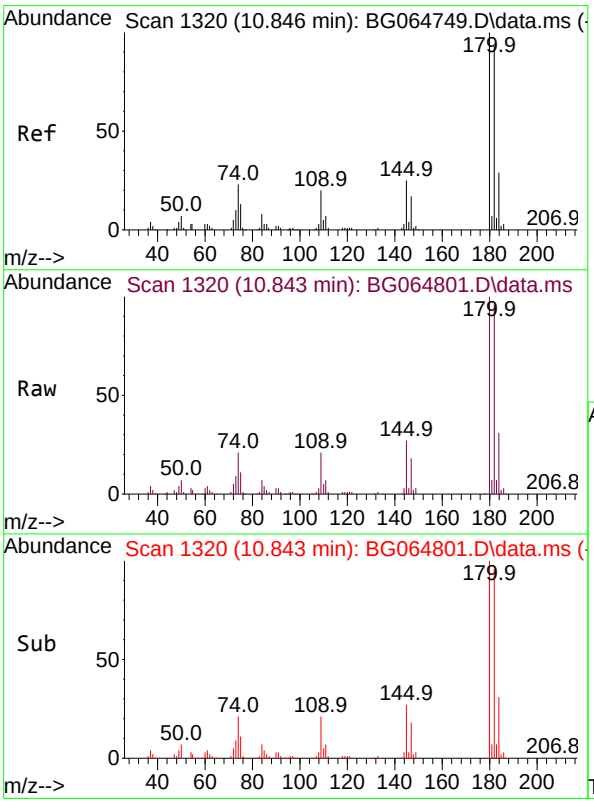
Ion	Ratio	Lower	Upper
162	100		
164	67.3	46.0	86.0
98	32.0	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

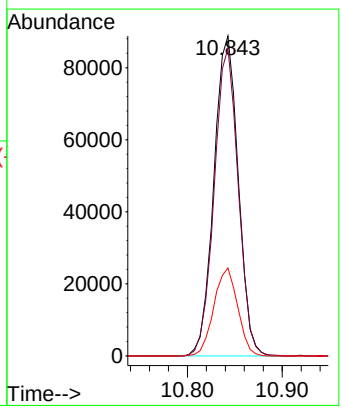


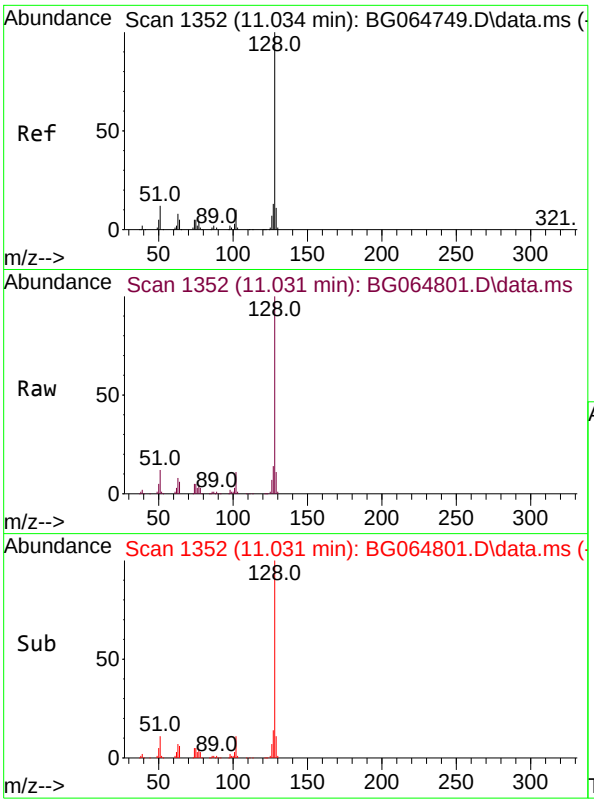


#30
1,2,4-Trichlorobenzene
Concen: 42.950 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:180 Resp: 158061

Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.2	111.4
145	27.5	20.0	30.0

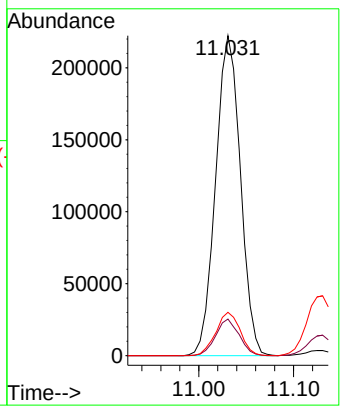




#31
Naphthalene
Concen: 40.983 ng
RT: 11.031 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:128 Resp: 40385

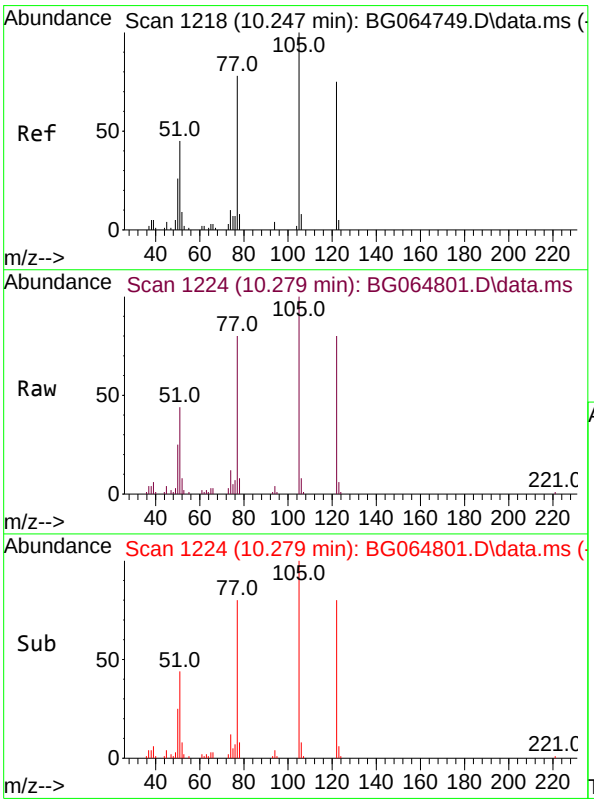
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.5	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

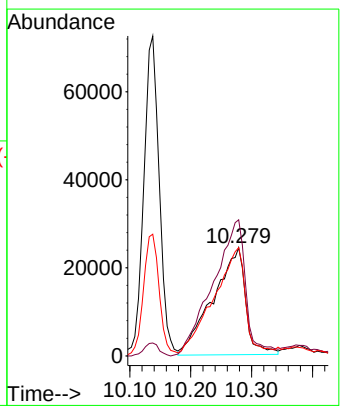
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

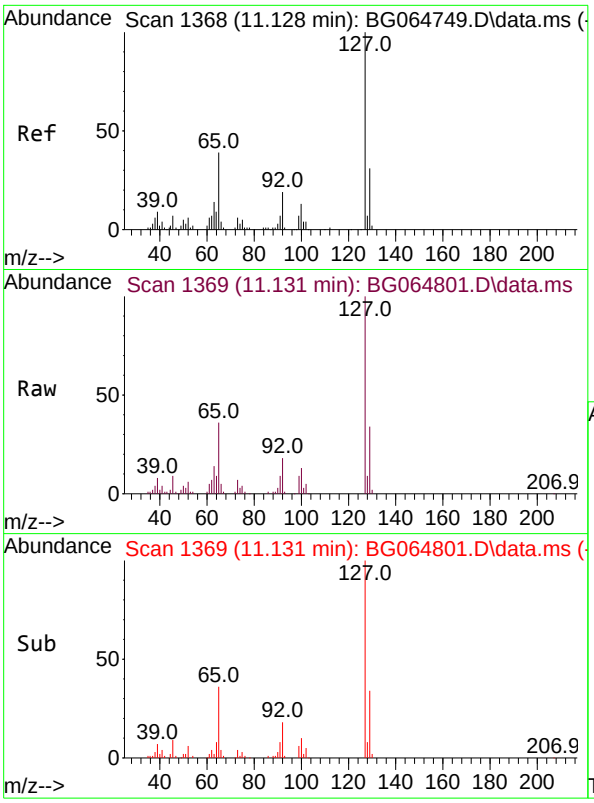


#32
Benzoic acid
Concen: 45.600 ng
RT: 10.279 min Scan# 1224
Delta R.T. 0.032 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:122 Resp: 90686

Ion	Ratio	Lower	Upper
122	100		
105	125.8	107.6	147.6
77	100.0	82.5	122.5

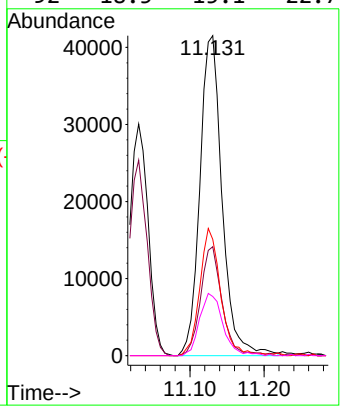




#33
4-Chloroaniline
Concen: 21.931 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:127 Resp: 8645

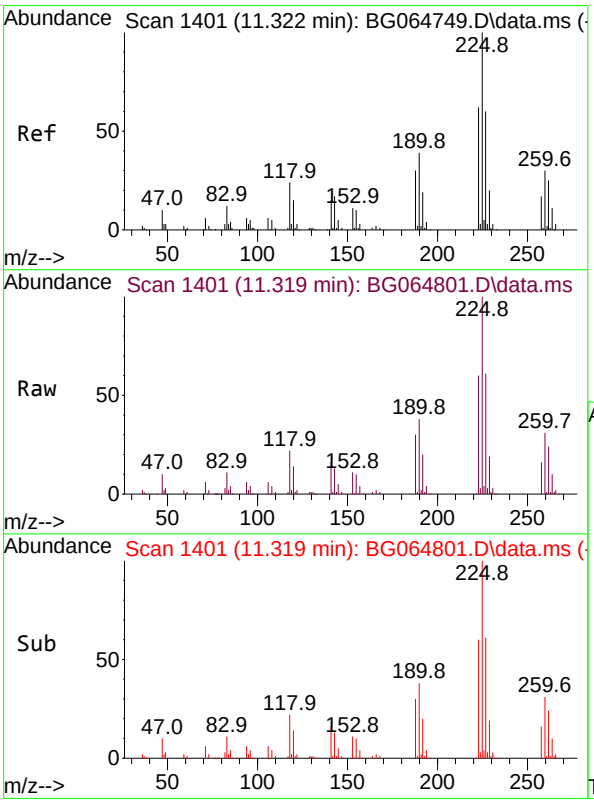
Ion	Ratio	Lower	Upper
127	100		
129	34.0	24.9	37.3
65	36.3	30.9	46.3
92	18.5	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

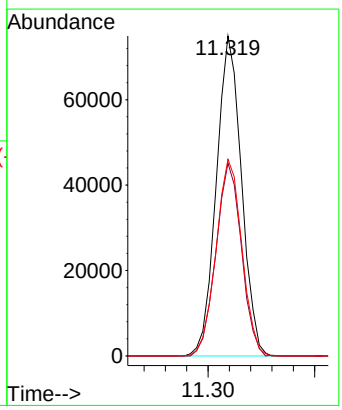
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

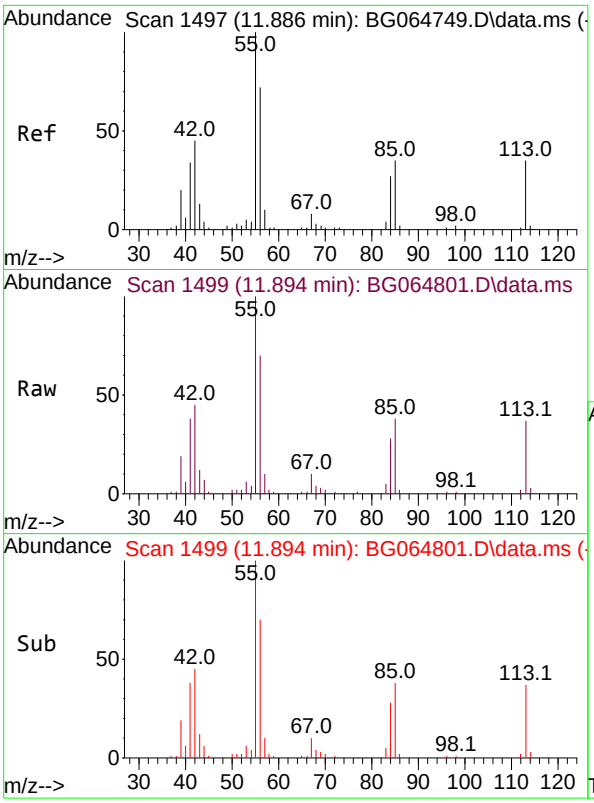


#34
Hexachlorobutadiene
Concen: 38.900 ng
RT: 11.319 min Scan# 1401
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:225 Resp: 122831

Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.9	74.9
227	61.4	50.6	75.8

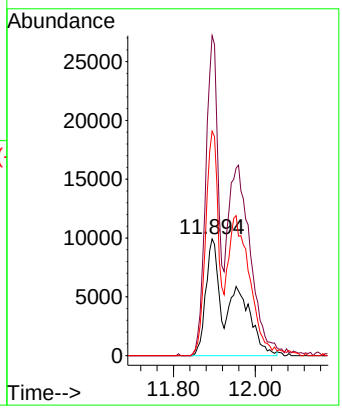




#35
Caprolactam
Concen: 47.776 ng m
RT: 11.894 min Scan# 14
Delta R.T. 0.008 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:113 Resp: 4355

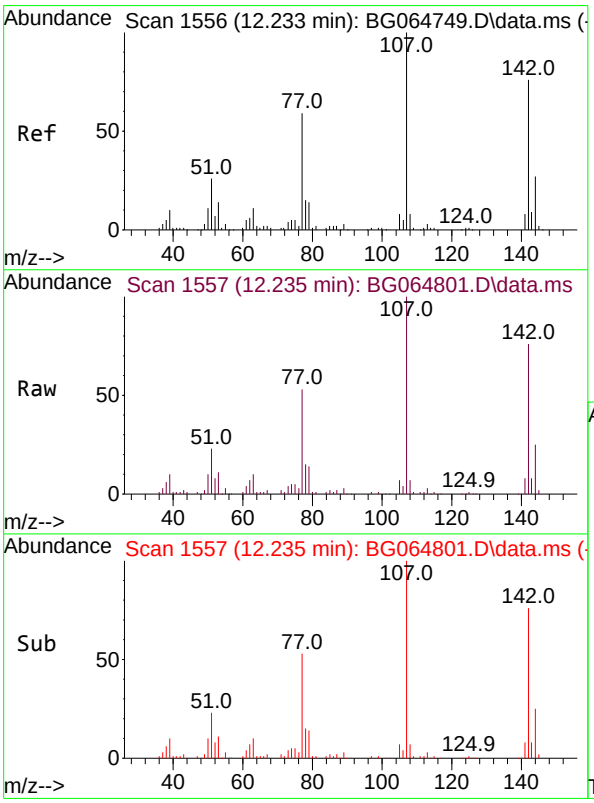
Ion	Ratio	Lower	Upper
113	100		
55	274.0	263.7	303.7
56	192.1	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

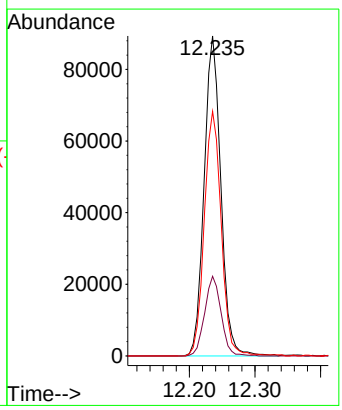
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

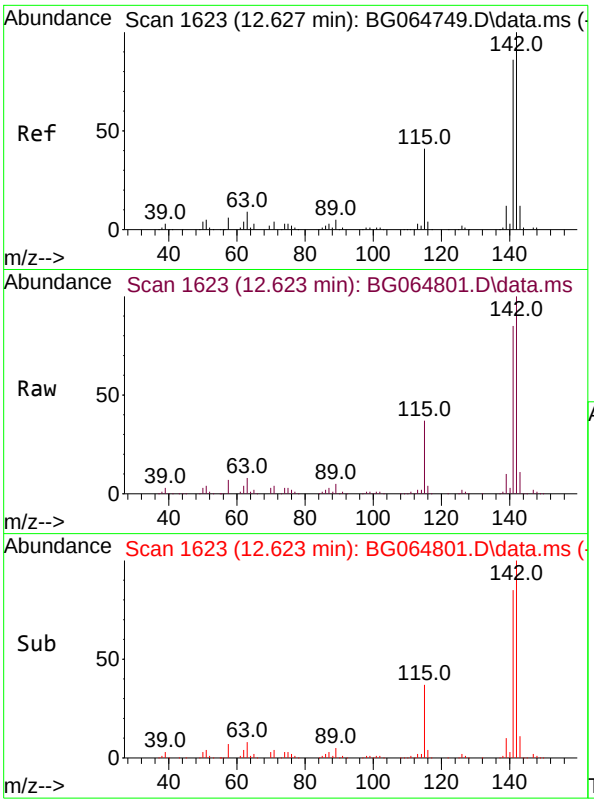


#36
4-Chloro-3-methylphenol
Concen: 46.458 ng
RT: 12.235 min Scan# 1557
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:107 Resp: 157593

Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.7	32.5
142	76.5	60.8	91.2

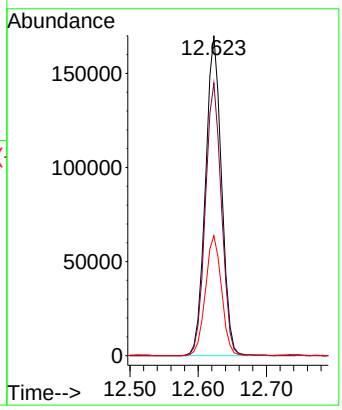




#37
2-Methylnaphthalene
Concen: 37.647 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:142 Resp: 27761

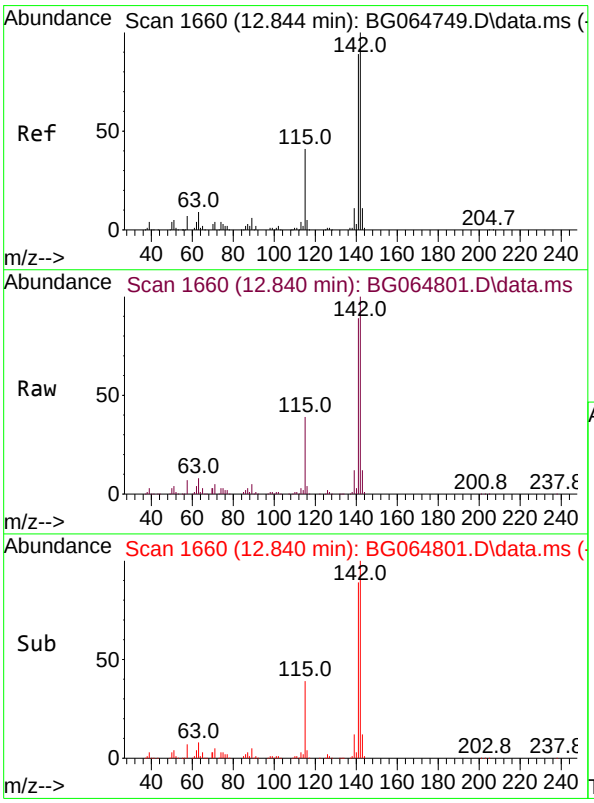
Ion	Ratio	Lower	Upper
142	100		
141	85.2	69.1	103.7
115	37.5	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

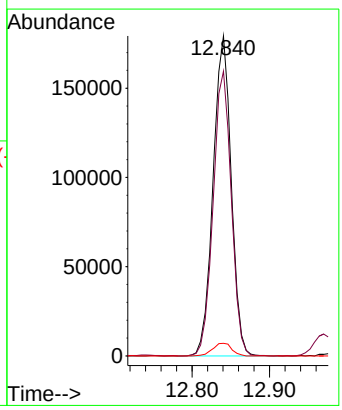
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

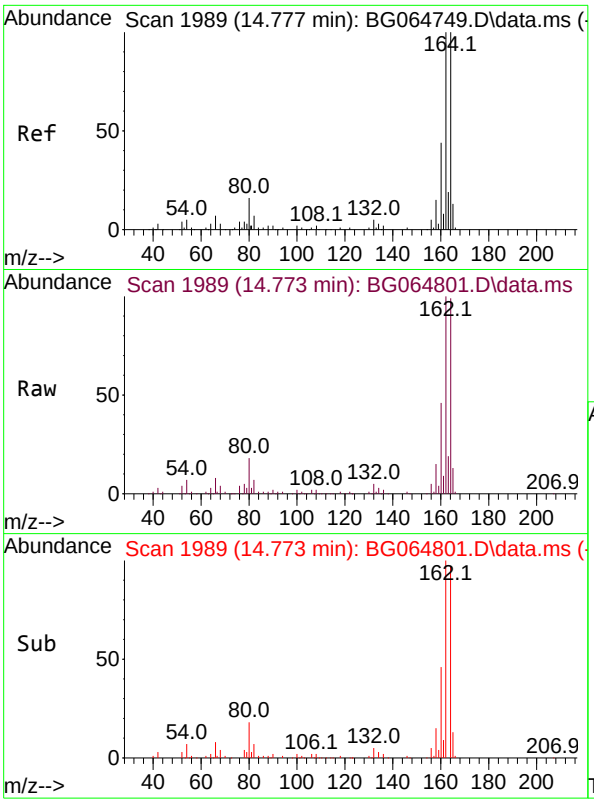


#38
1-Methylnaphthalene
Concen: 39.707 ng
RT: 12.840 min Scan# 1660
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:142 Resp: 290858

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
116	3.9	3.7	5.5

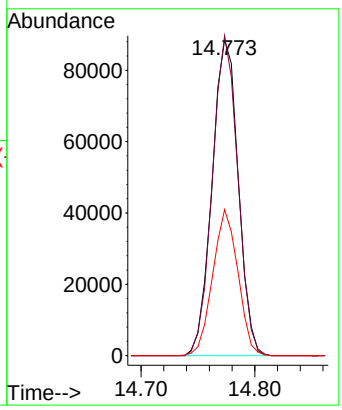




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:164 Resp: 14152

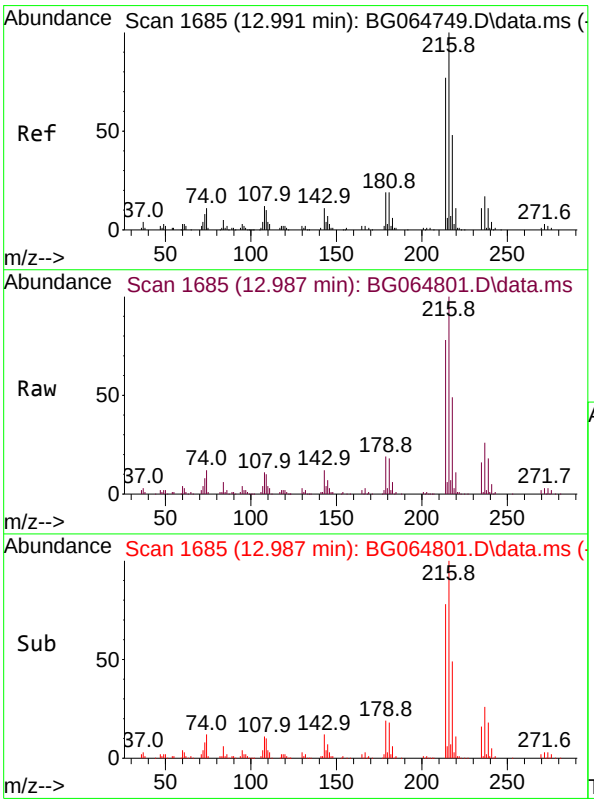
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.6
160	46.3	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

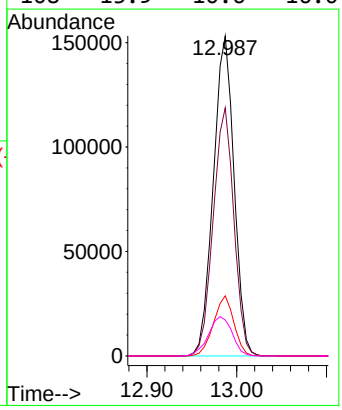
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

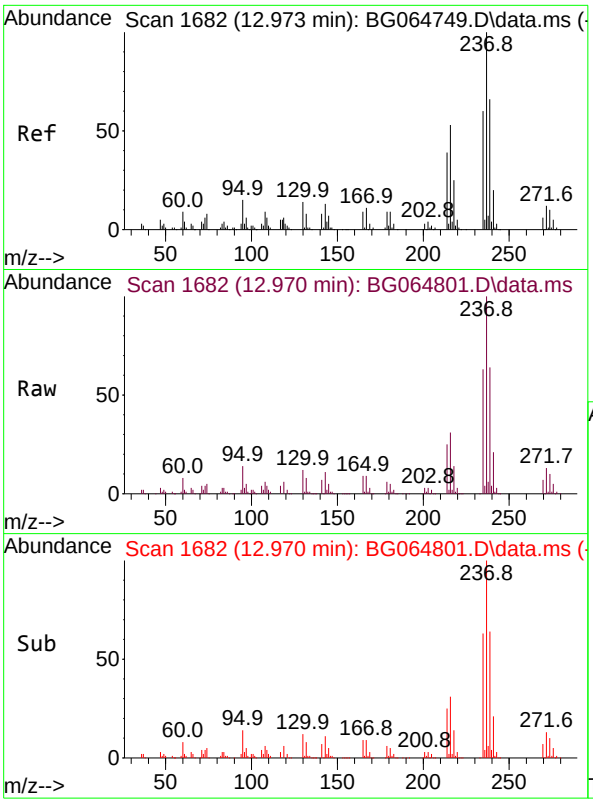


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.836 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:216 Resp: 246950

Ion	Ratio	Lower	Upper
216	100		
214	77.2	60.5	90.7
179	18.4	14.7	22.1
108	13.9	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 67.885 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

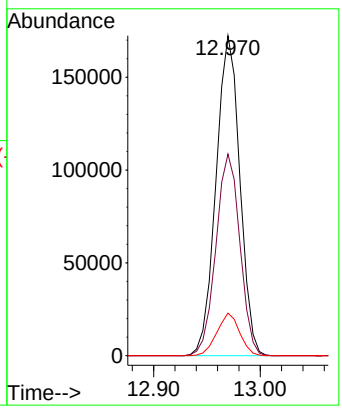
Tgt Ion:237 Resp: 26800

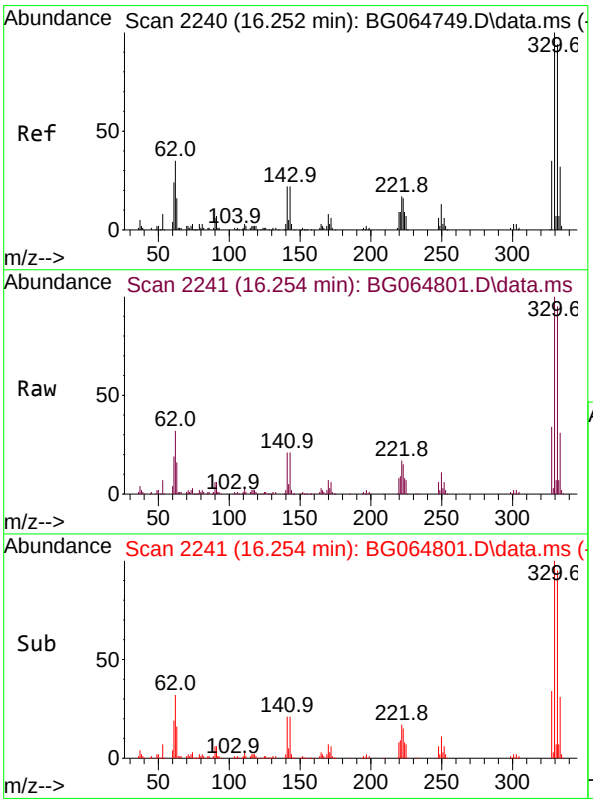
Ion	Ratio	Lower	Upper
237	100		
235	63.0	40.2	80.2
272	13.3	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

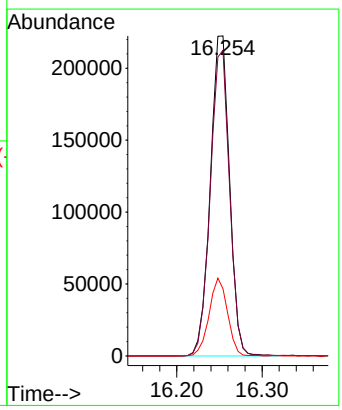


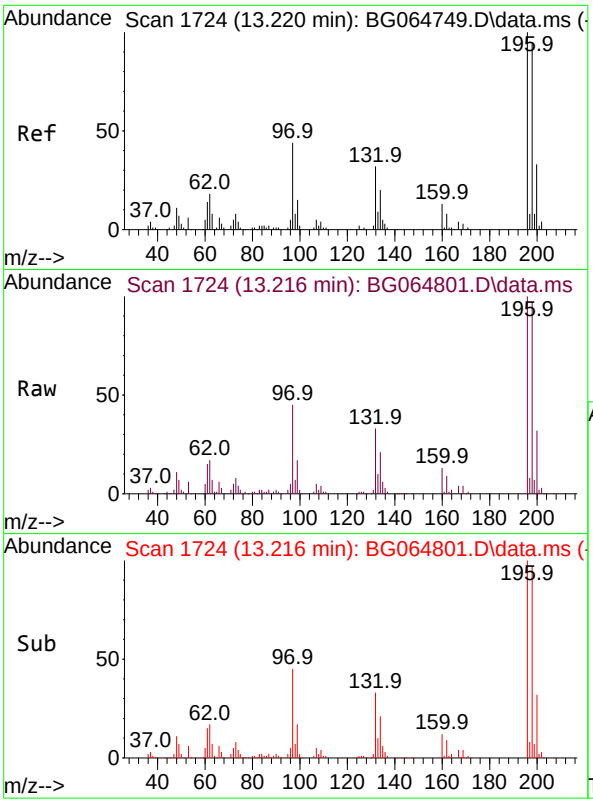


#42
2,4,6-Tribromophenol
Concen: 126.326 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:330 Resp: 348692

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	23.2	18.2	27.2

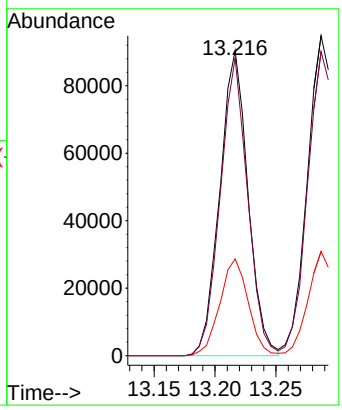




#43
2,4,6-Trichlorophenol
Concen: 44.893 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:196 Resp: 14512

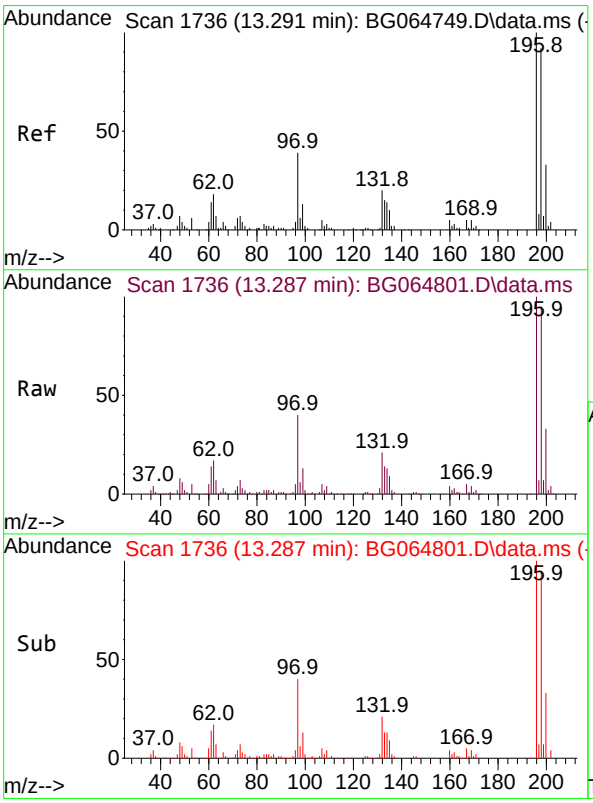
Ion	Ratio	Lower	Upper
196	100		
198	97.5	75.3	112.9
200	31.7	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

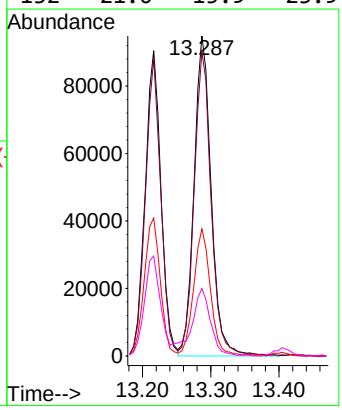
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

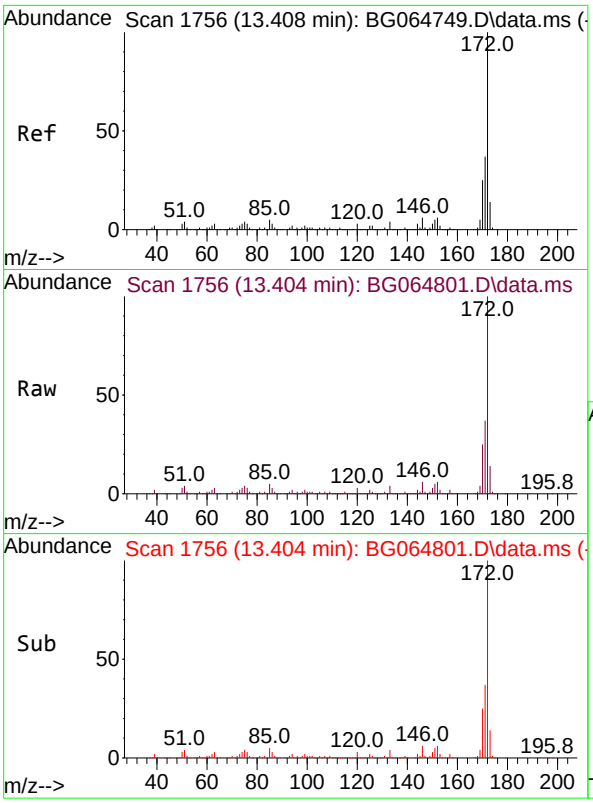


#44
2,4,5-Trichlorophenol
Concen: 45.775 ng
RT: 13.287 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:196 Resp: 165963

Ion	Ratio	Lower	Upper
196	100		
198	95.0	73.2	109.8
97	39.7	31.4	47.0
132	21.0	15.9	23.9

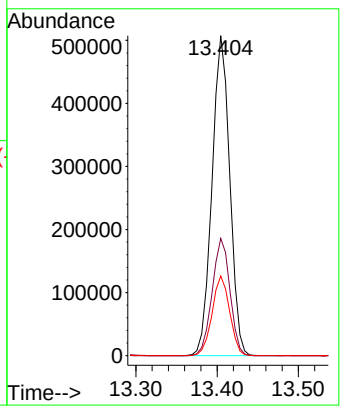




#45
2-Fluorobiphenyl
Concen: 75.868 ng
RT: 13.404 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:172 Resp: 769531

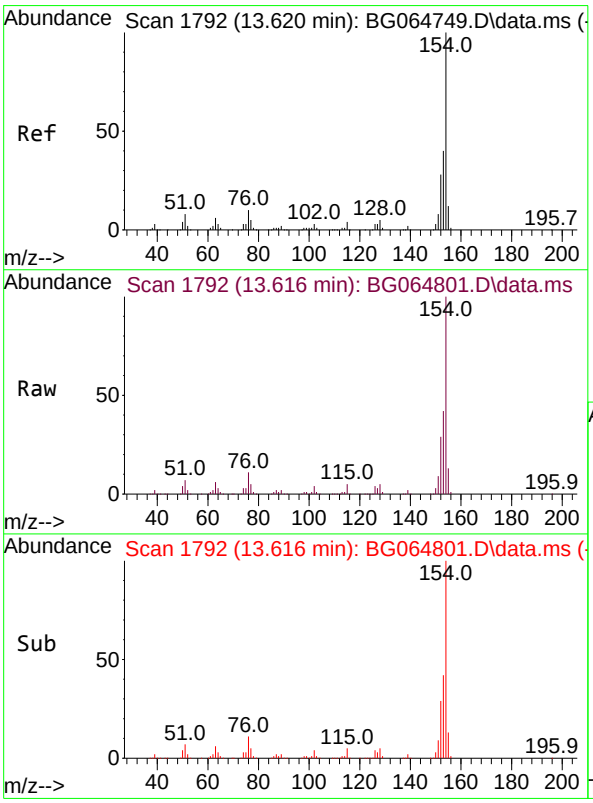
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

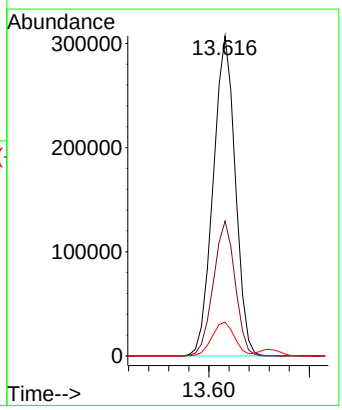
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

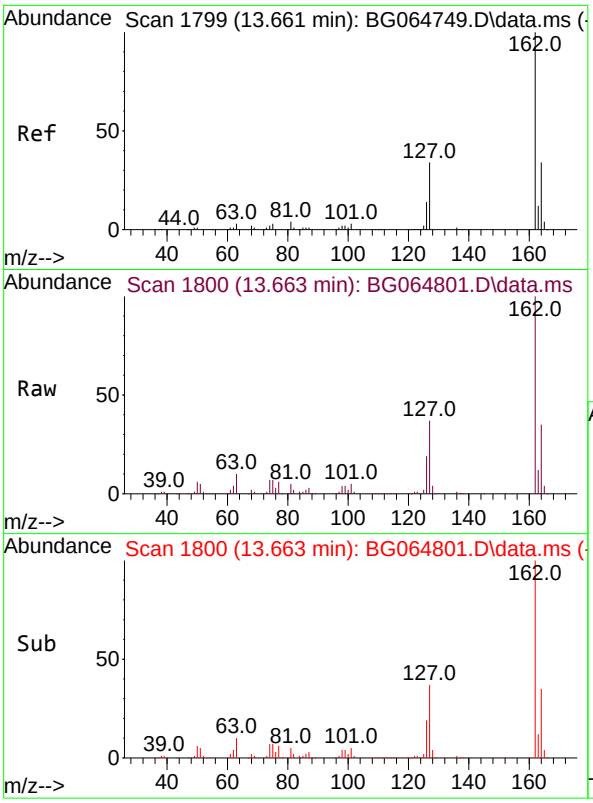


#46
1,1'-Biphenyl
Concen: 46.257 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:154 Resp: 470212

Ion	Ratio	Lower	Upper
154	100		
153	42.1	19.8	59.8
76	10.5	0.0	30.0

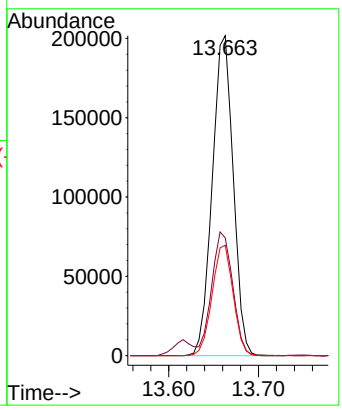




#47
2-Chloronaphthalene
Concen: 40.997 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:162 Resp: 32832

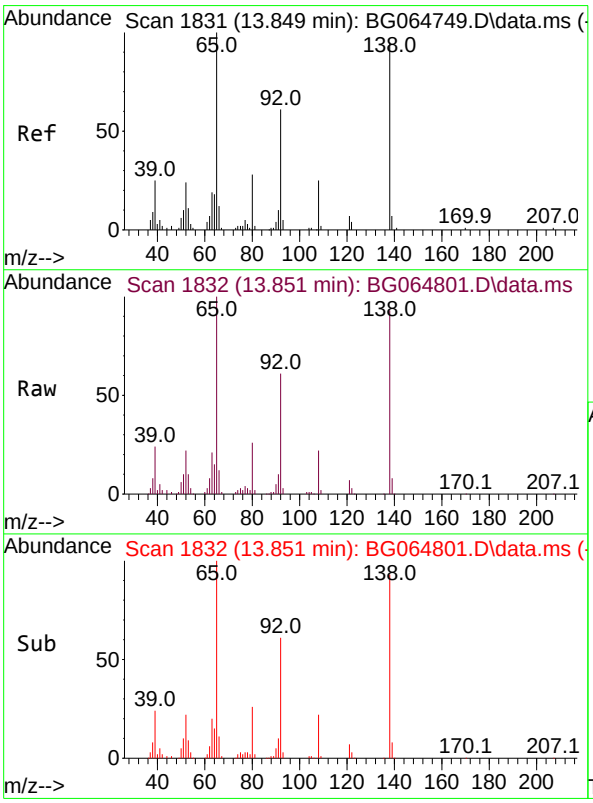
Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.3	45.5
164	34.5	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

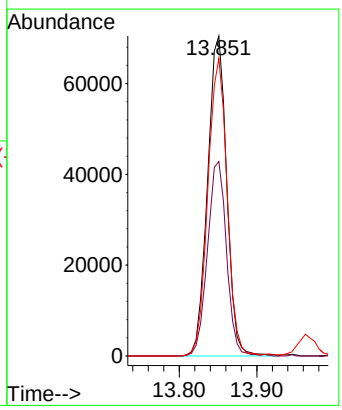
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

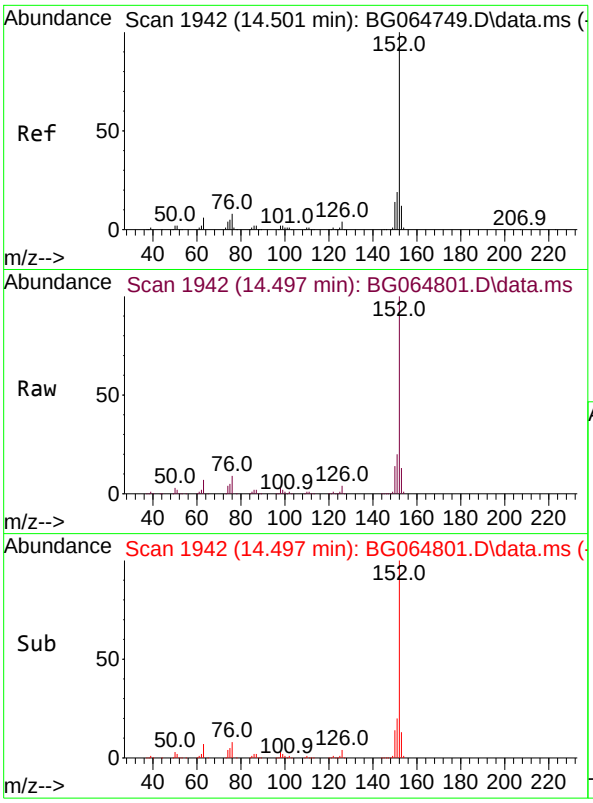


#48
2-Nitroaniline
Concen: 46.803 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 65 Resp: 120555

Ion	Ratio	Lower	Upper
65	100		
92	60.7	48.6	73.0
138	93.0	76.4	114.6





#49
Acenaphthylene
Concen: 42.858 ng
RT: 14.497 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

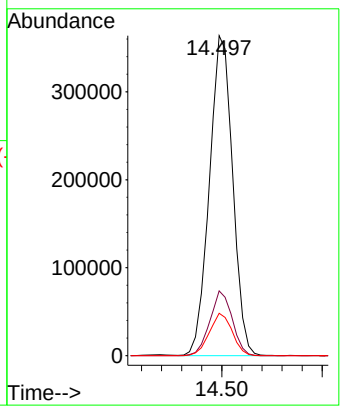
Tgt Ion:152 Resp: 58635

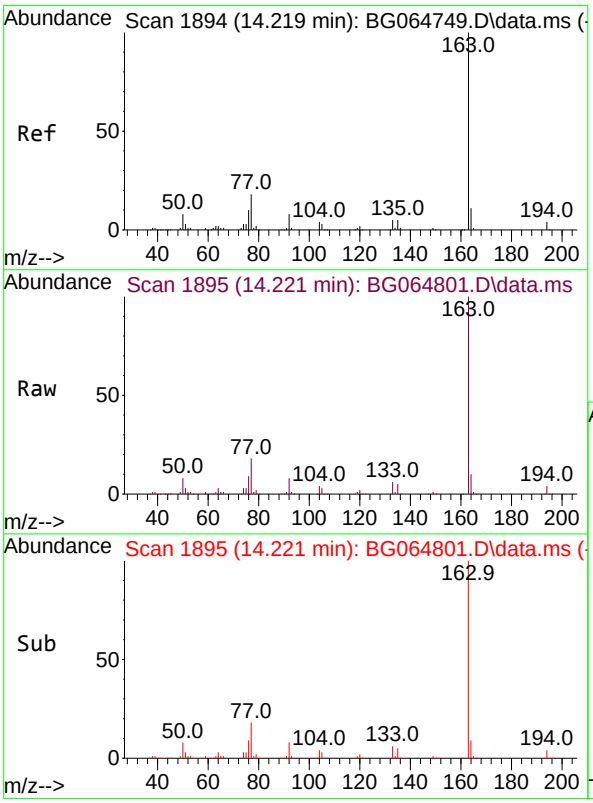
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.0	22.4
153	13.2	9.9	14.9

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

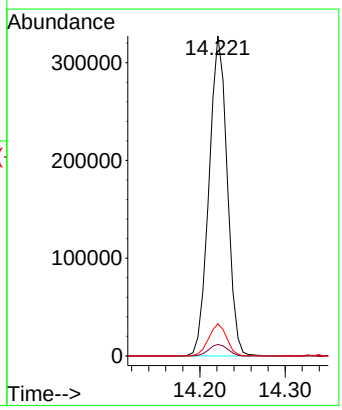


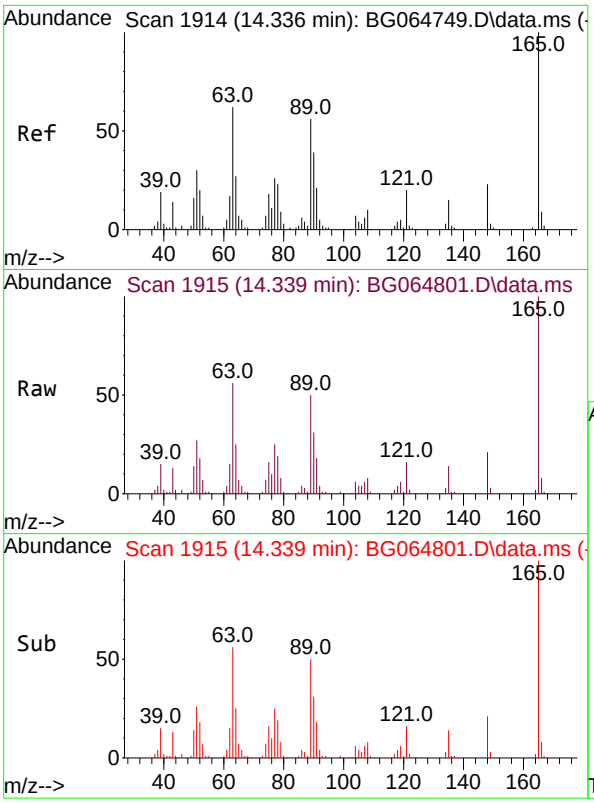


#50
Dimethylphthalate
Concen: 43.337 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:163 Resp: 484501

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.0	8.6	12.8

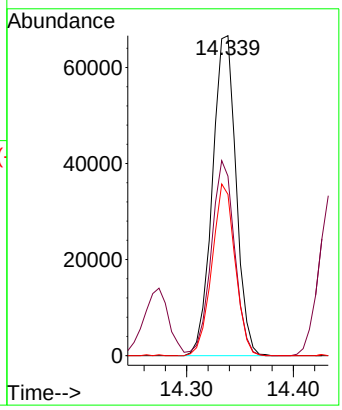




#51
2,6-Dinitrotoluene
Concen: 47.757 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:165 Resp: 10273

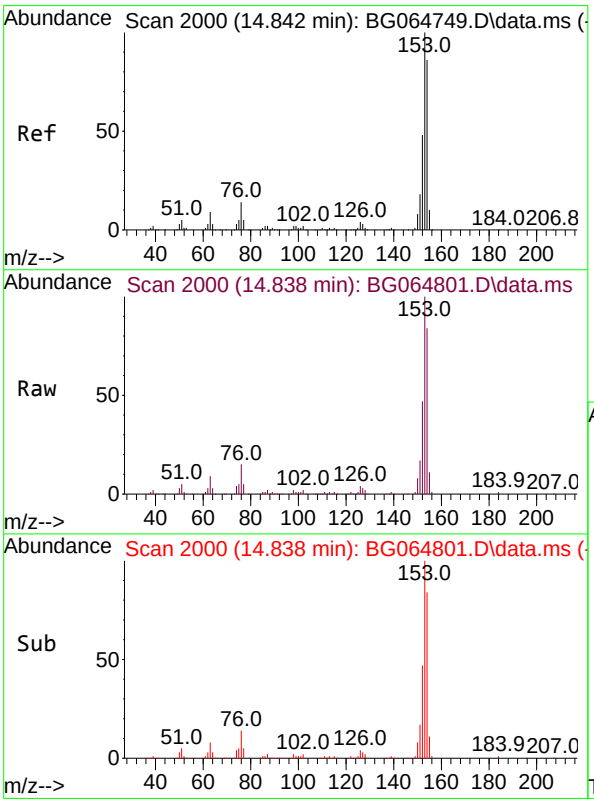
Ion	Ratio	Lower	Upper
165	100		
63	56.1	49.8	74.8
89	50.4	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

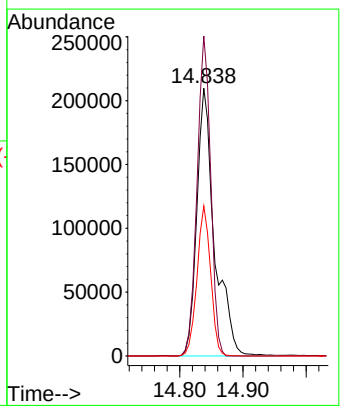
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

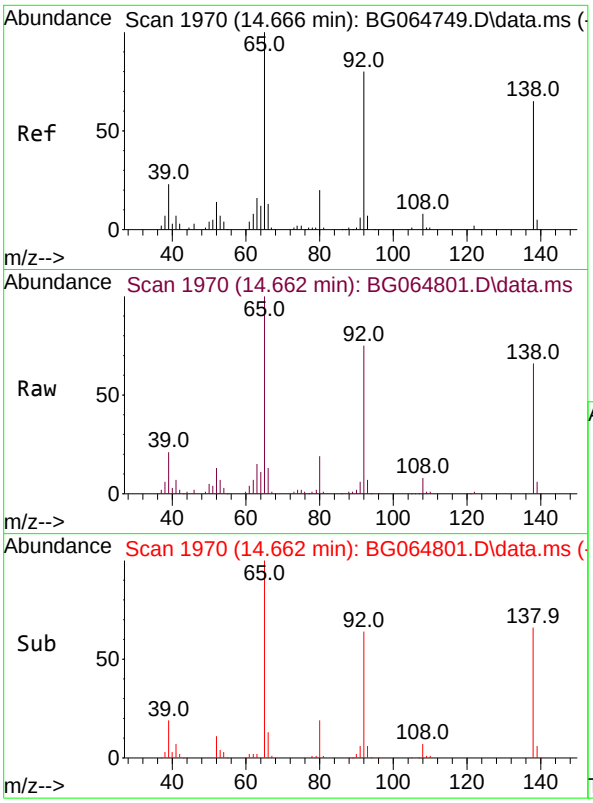


#52
Acenaphthene
Concen: 50.009 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:154 Resp: 410238

Ion	Ratio	Lower	Upper
154	100		
153	119.6	93.0	139.4
152	56.0	44.4	66.6

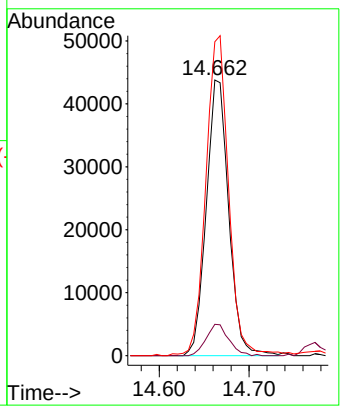




#53
3-Nitroaniline
Concen: 35.770 ng
RT: 14.662 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:138 Resp: 7594

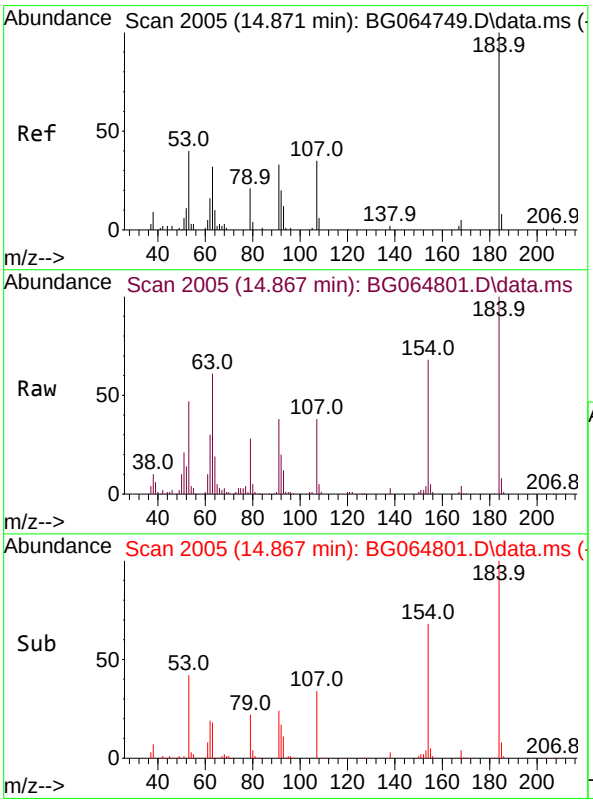
Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.5	14.3
92	113.9	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

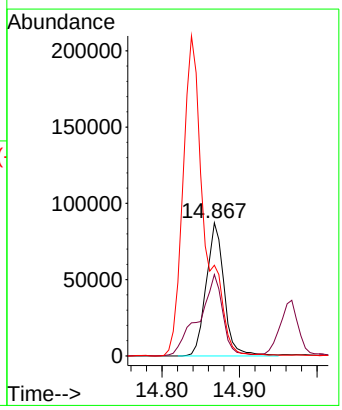
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

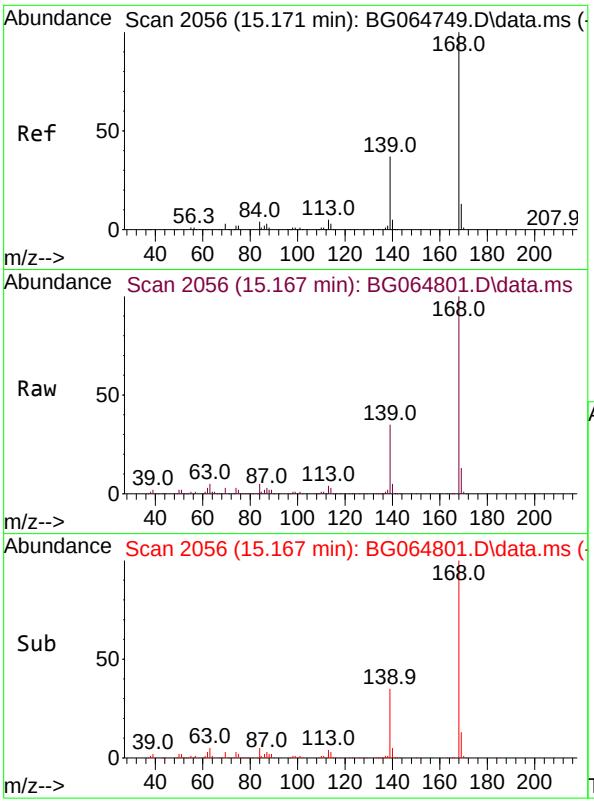


#54
2,4-Dinitrophenol
Concen: 93.363 ng
RT: 14.867 min Scan# 2005
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:184 Resp: 139949

Ion	Ratio	Lower	Upper
184	100		
63	61.1	45.8	68.6
154	68.1	52.6	78.8

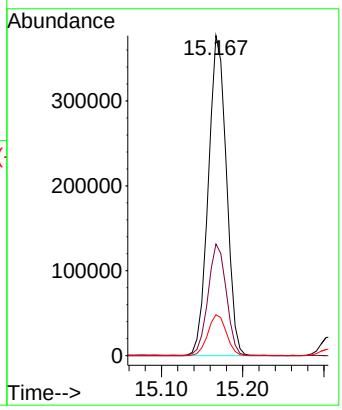




#55
Dibenzofuran
Concen: 42.909 ng
RT: 15.167 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:168 Resp: 58192

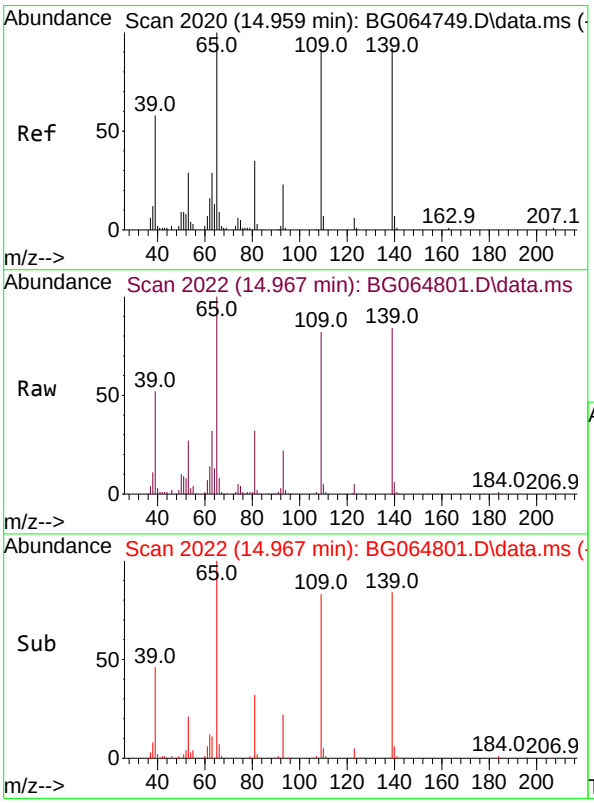
Ion	Ratio	Lower	Upper
168	100		
139	34.9	29.5	44.3
169	12.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

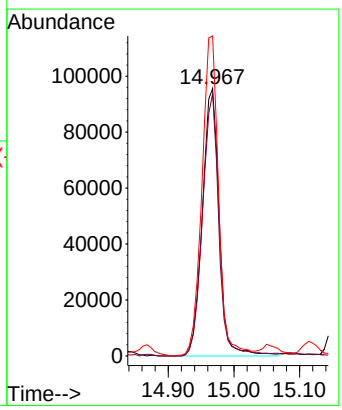
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

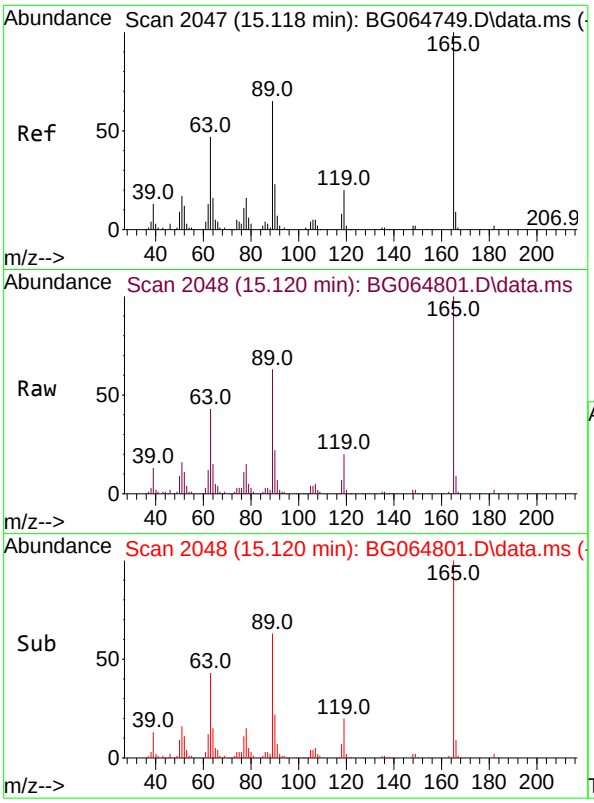


#56
4-Nitrophenol
Concen: 101.154 ng
RT: 14.967 min Scan# 2022
Delta R.T. 0.008 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:139 Resp: 170404

Ion	Ratio	Lower	Upper
139	100		
109	98.0	79.7	119.7
65	119.7	89.9	129.9

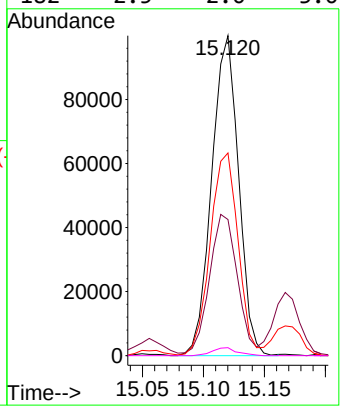




#57
2,4-Dinitrotoluene
Concen: 47.607 ng
RT: 15.120 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:165 Resp: 15354

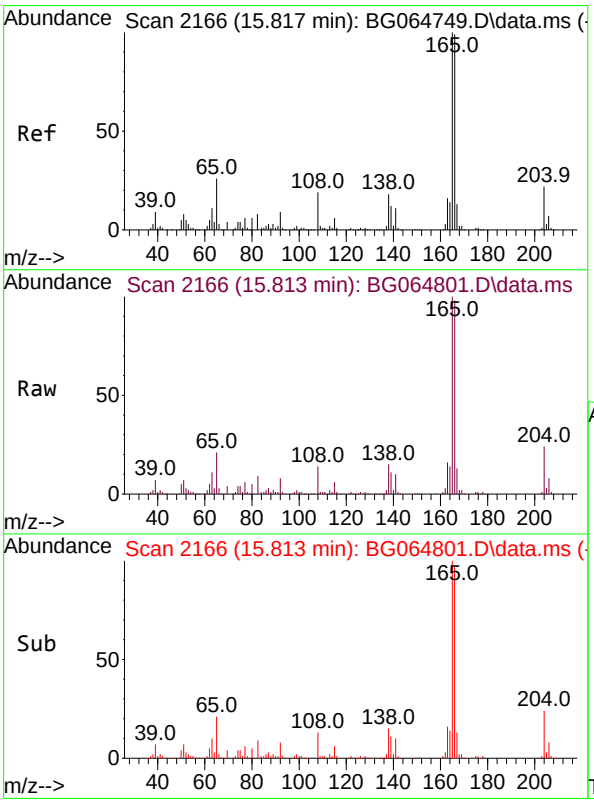
Ion	Ratio	Lower	Upper
165	100		
63	42.5	37.8	56.6
89	63.3	51.6	77.4
182	2.5	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

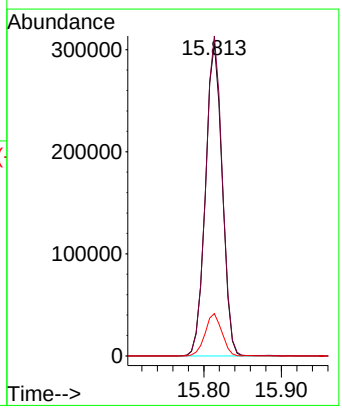
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

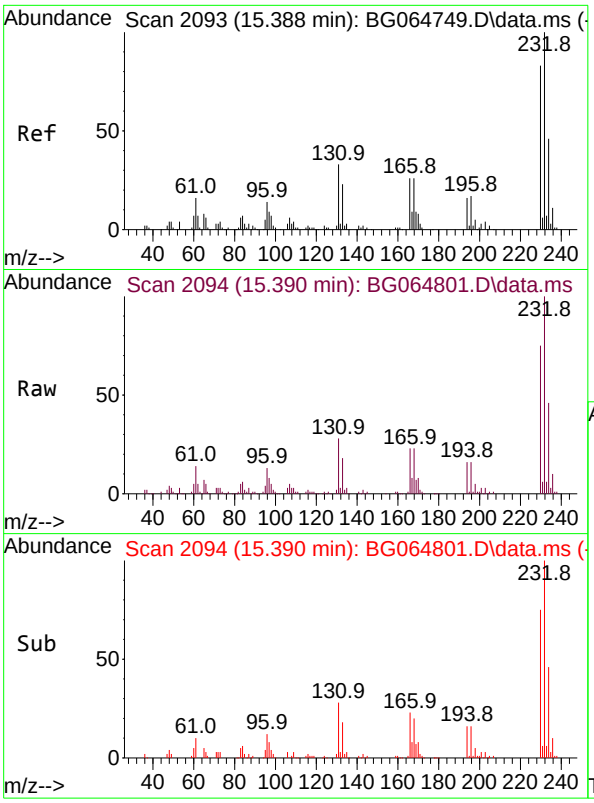


#58
Fluorene
Concen: 43.012 ng
RT: 15.813 min Scan# 2166
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:166 Resp: 457504

Ion	Ratio	Lower	Upper
166	100		
165	102.4	80.5	120.7
167	13.5	10.3	15.5

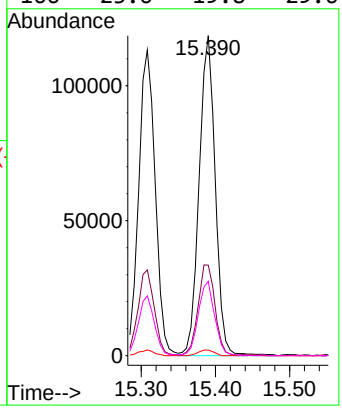




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.146 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:232 Resp: 179384

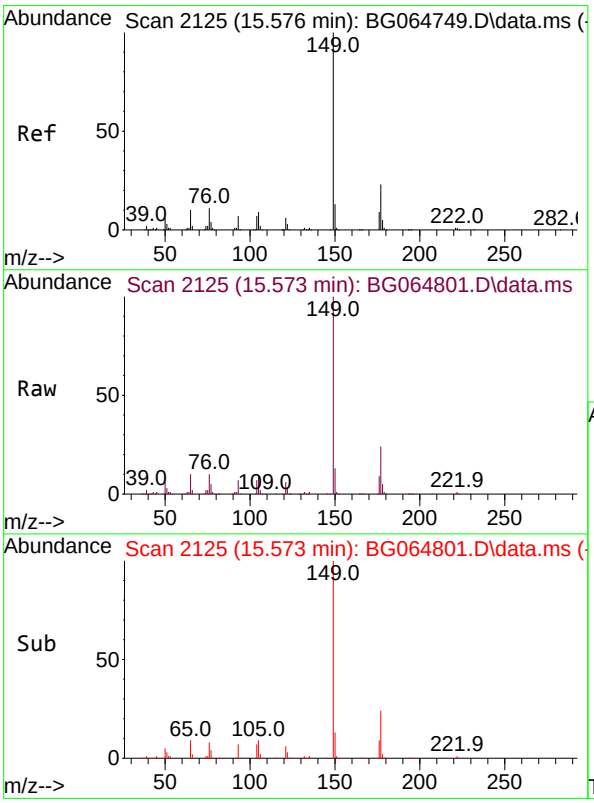
Ion	Ratio	Lower	Upper
232	100		
131	29.1	26.0	39.0
130	1.7	1.6	2.4
166	23.6	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

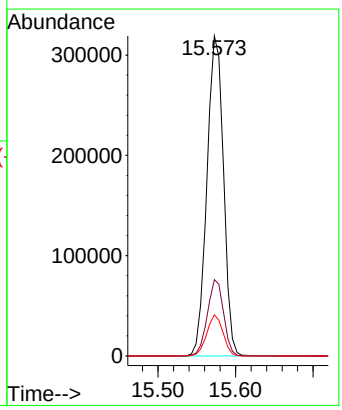
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

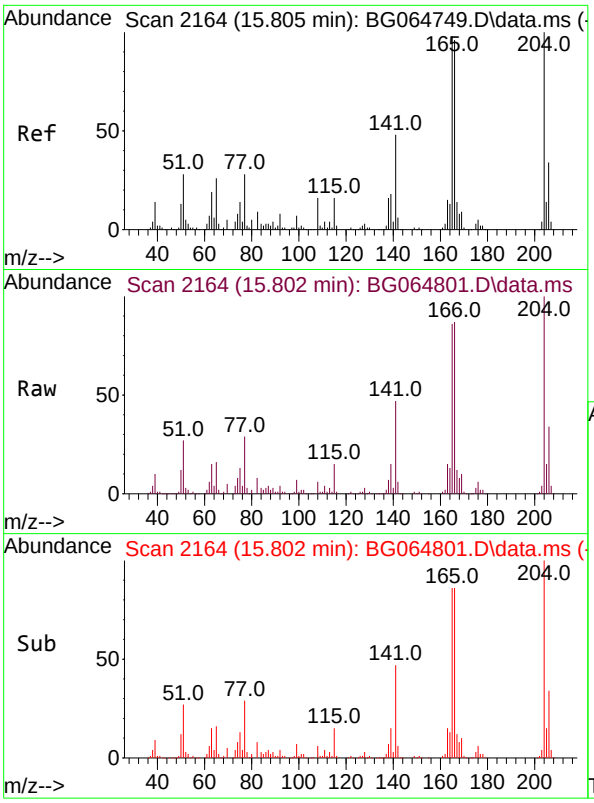


#60
Diethylphthalate
Concen: 44.170 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:149 Resp: 473056

Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.4	27.6
150	12.8	10.1	15.1

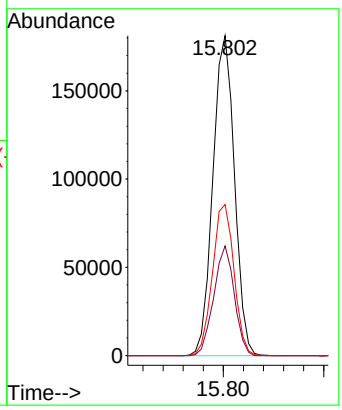




#61
4-Chlorophenyl-phenylether
Concen: 42.394 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:204 Resp: 270621

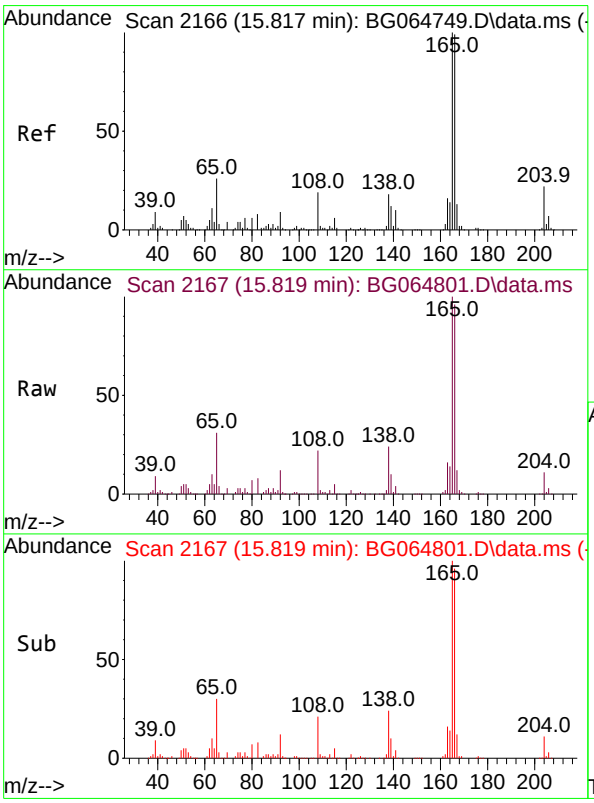
Ion	Ratio	Lower	Upper
204	100		
206	34.3	26.9	40.3
141	47.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

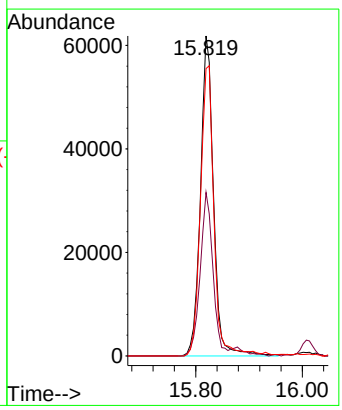
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

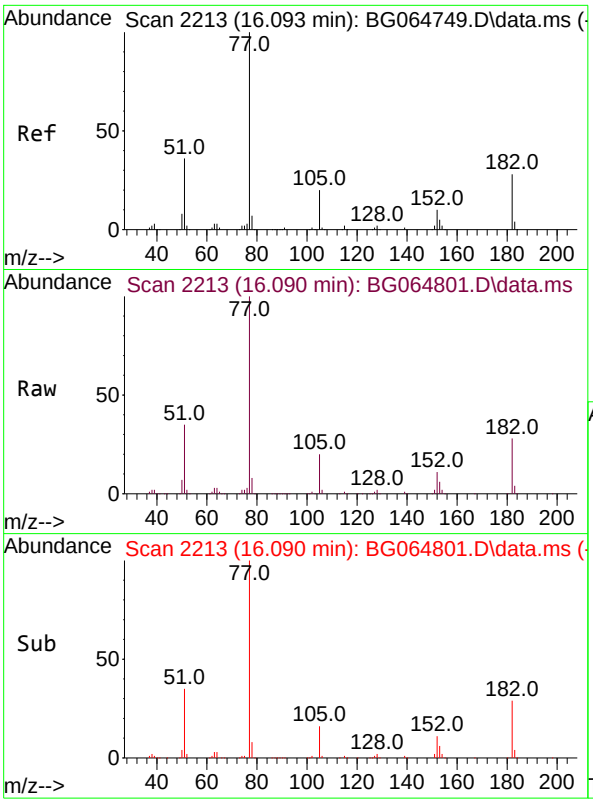


#62
4-Nitroaniline
Concen: 47.756 ng
RT: 15.819 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:138 Resp: 105045

Ion	Ratio	Lower	Upper
138	100		
92	51.1	30.7	70.7
108	89.8	85.7	125.7

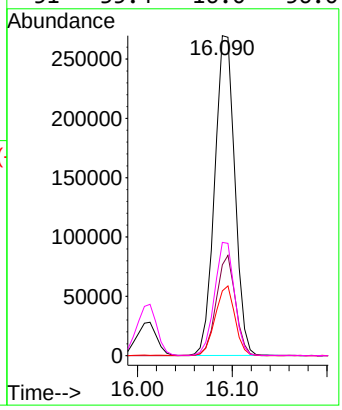




#63
Azobenzene
Concen: 44.610 ng
RT: 16.090 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion: 77 Resp: 39738

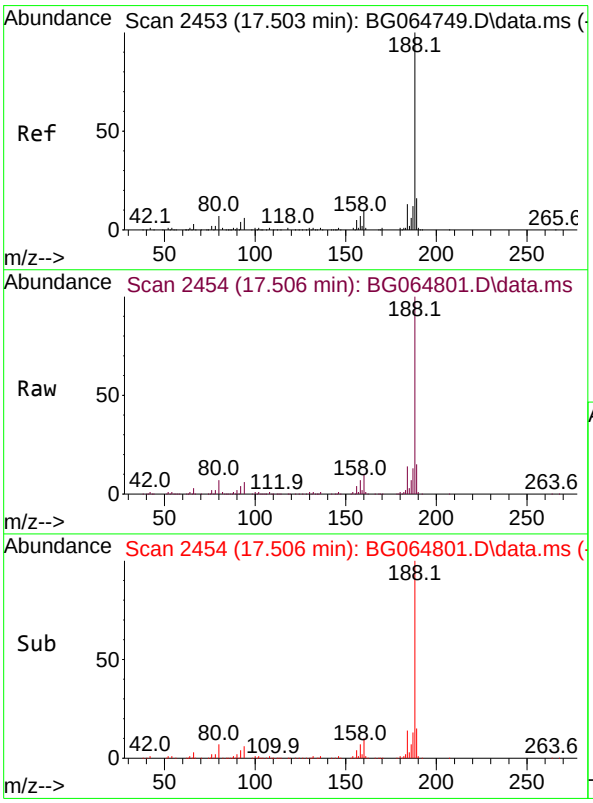
Ion	Ratio	Lower	Upper
77	100		
182	28.4	8.1	48.1
105	20.2	0.1	40.1
51	35.4	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

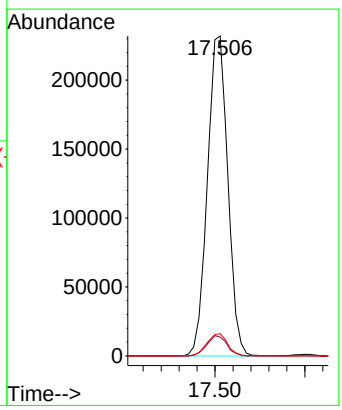
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

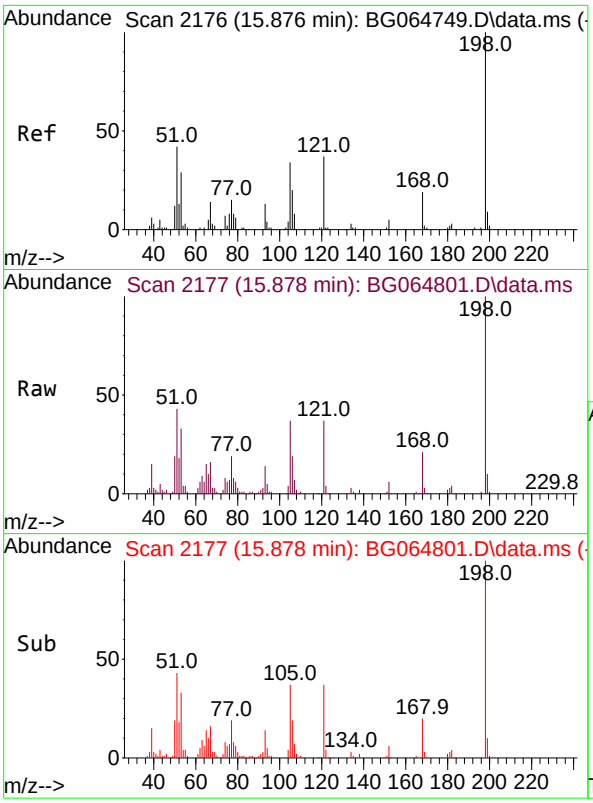


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:188 Resp: 367810

Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.7	7.1
80	6.9	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 50.267 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

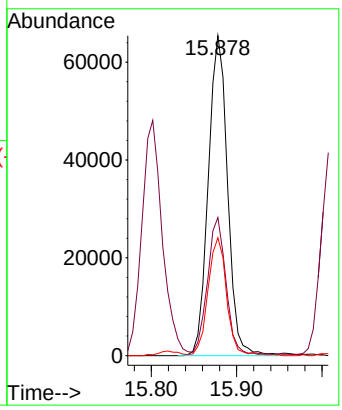
Tgt Ion:198 Resp: 10265

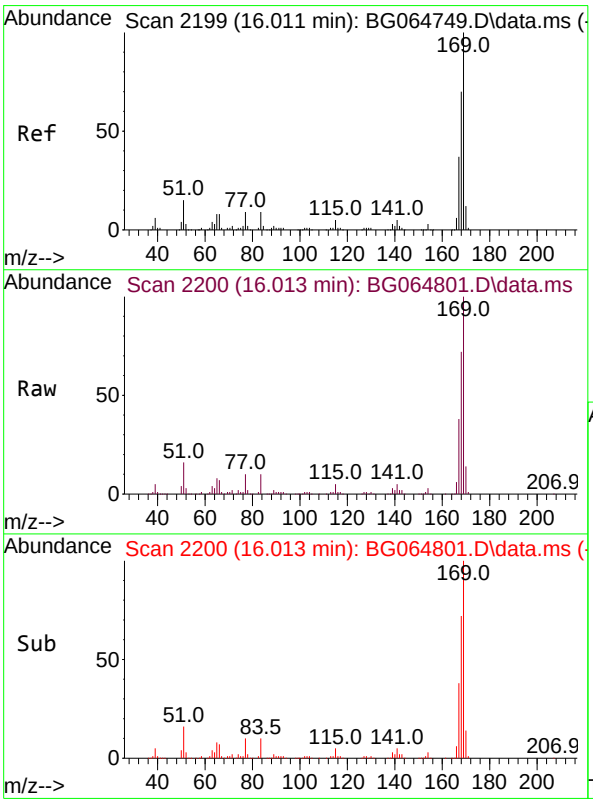
Ion	Ratio	Lower	Upper
198	100		
51	43.1	25.2	65.2
105	36.8	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

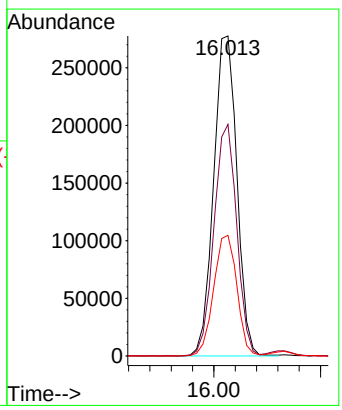


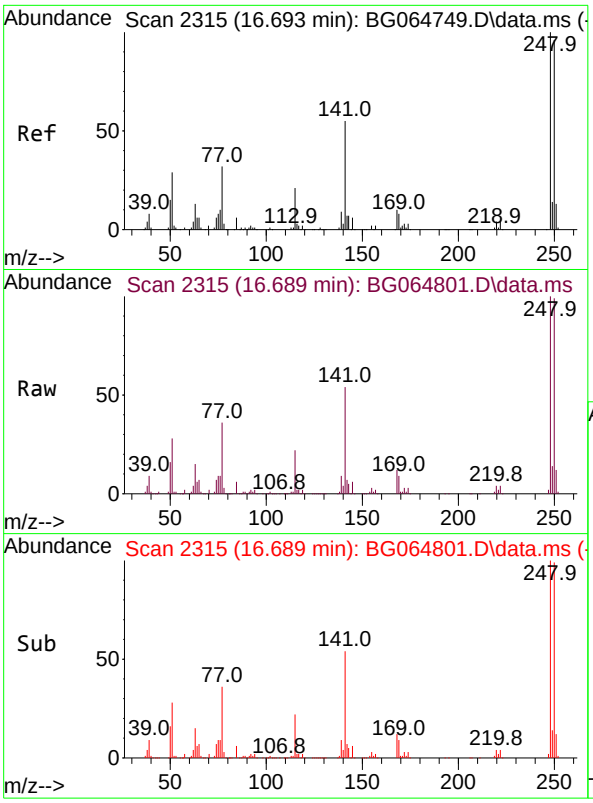


#66
n-Nitrosodiphenylamine
Concen: 43.773 ng
RT: 16.013 min Scan# 2200
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:169 Resp: 421718

Ion	Ratio	Lower	Upper
169	100		
168	72.3	55.9	83.9
167	37.7	29.8	44.6

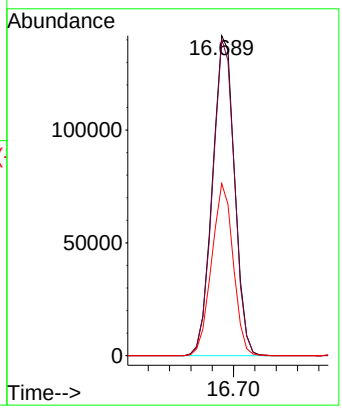




#67
4-Bromophenyl-phenylether
Concen: 42.288 ng
RT: 16.689 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:248 Resp: 20425

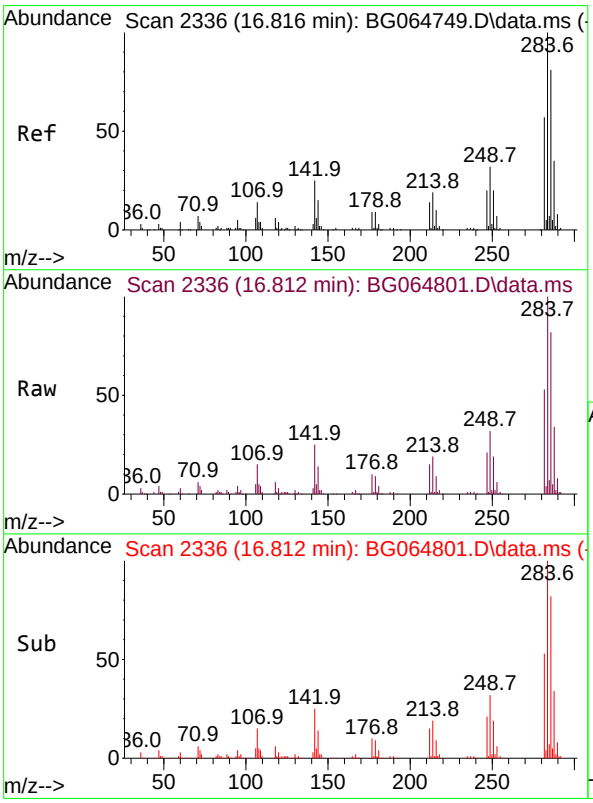
Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.0	115.6
141	53.8	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

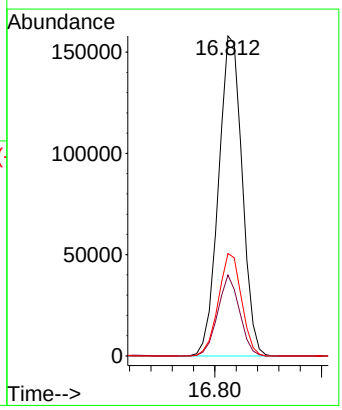
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

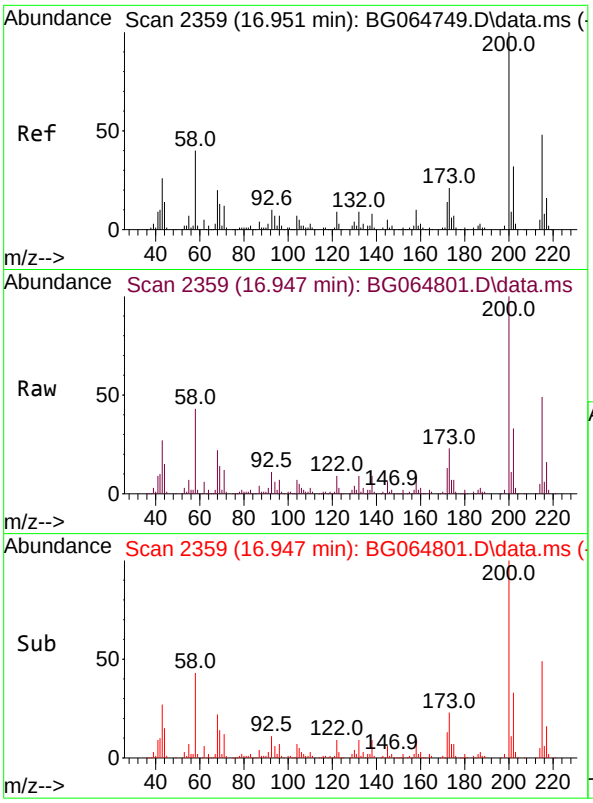


#68
Hexachlorobenzene
Concen: 41.496 ng
RT: 16.812 min Scan# 2336
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:284 Resp: 242834

Ion	Ratio	Lower	Upper
284	100		
142	25.3	19.7	29.5
249	34.3	28.1	42.1

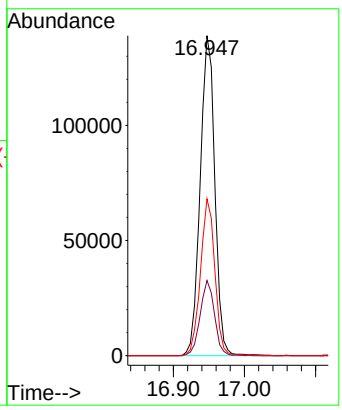




#69
Atrazine
Concen: 42.588 ng
RT: 16.947 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:200 Resp: 19782

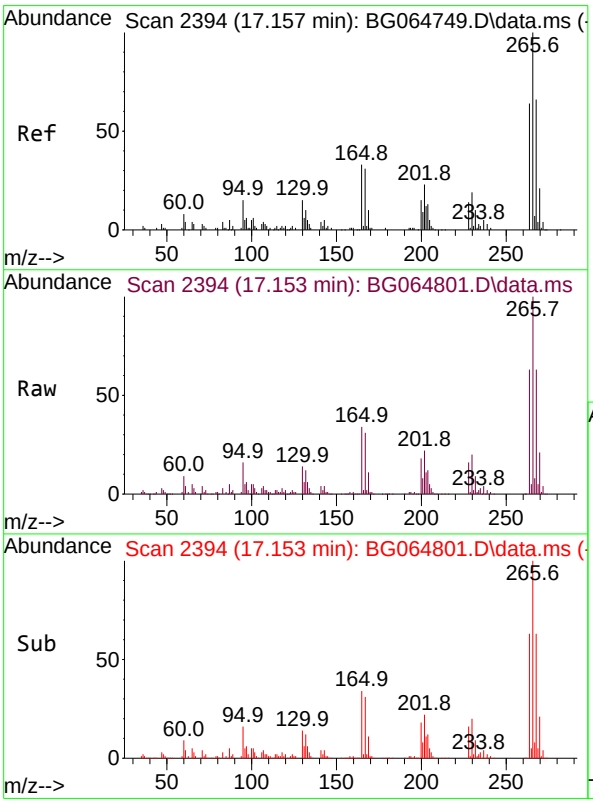
Ion	Ratio	Lower	Upper
200	100		
173	23.5	0.9	40.9
215	49.0	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

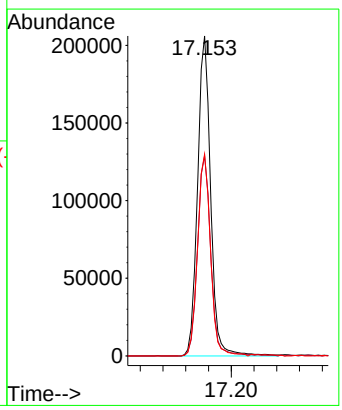
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

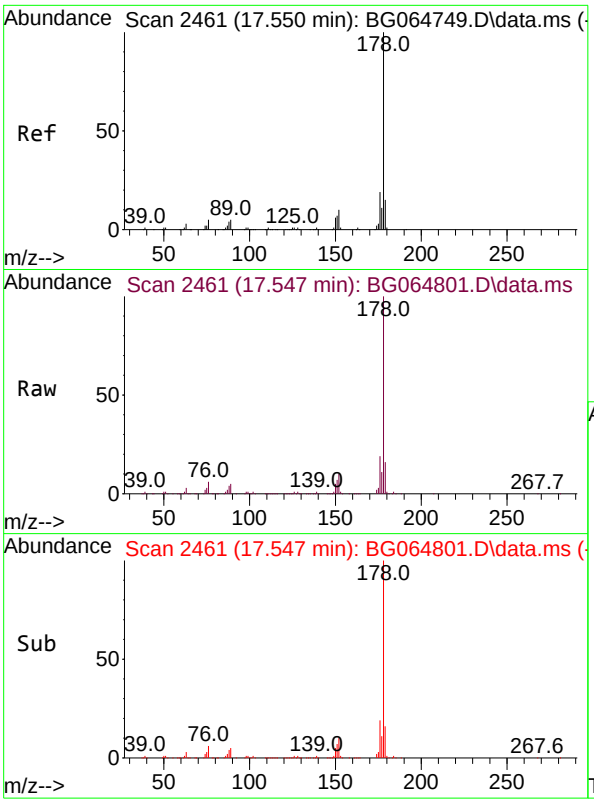


#70
Pentachlorophenol
Concen: 93.392 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:266 Resp: 327276

Ion	Ratio	Lower	Upper
266	100		
268	67.4	56.1	84.1
264	63.0	51.2	76.8





#71
Phenanthrene
Concen: 43.063 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

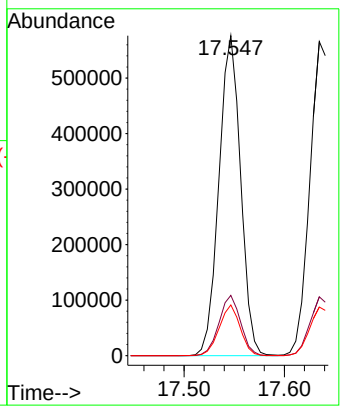
Tgt Ion:178 Resp: 86660

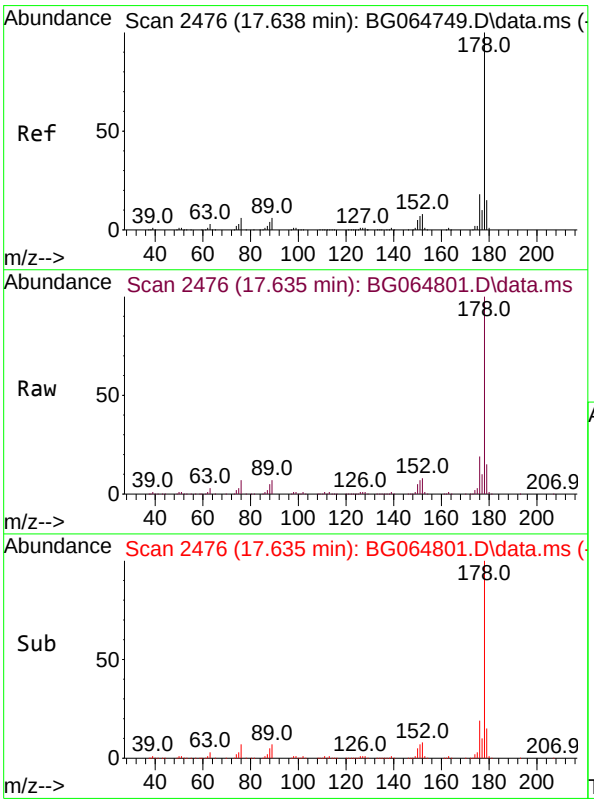
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.8	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

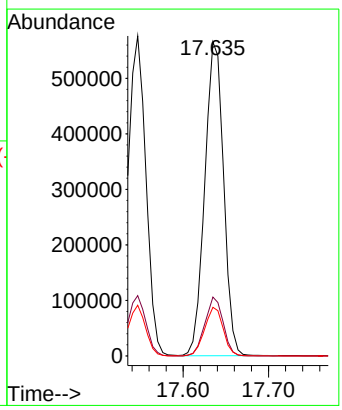


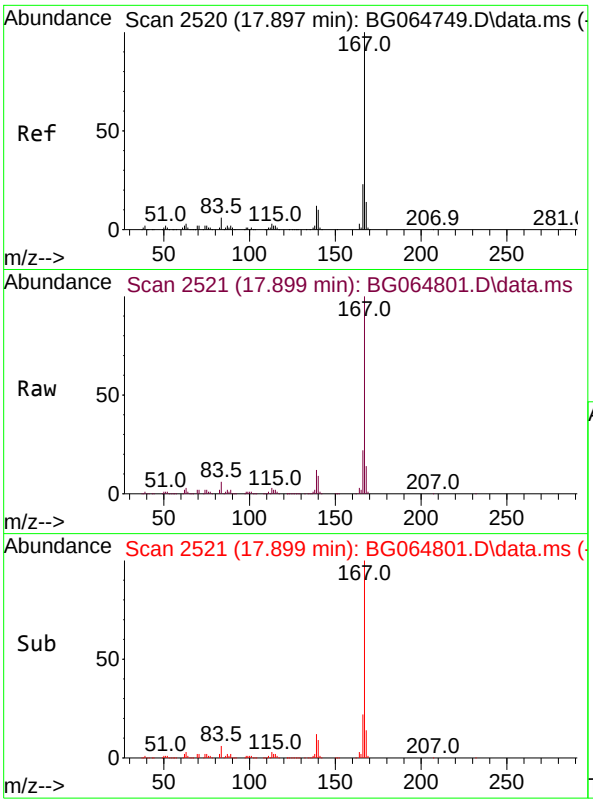


#72
Anthracene
Concen: 42.298 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:178 Resp: 867959

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	15.5	12.2	18.4





#73
Carbazole
Concen: 43.904 ng
RT: 17.899 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

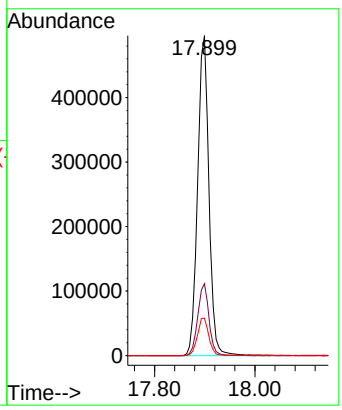
Tgt Ion:167 Resp: 77448

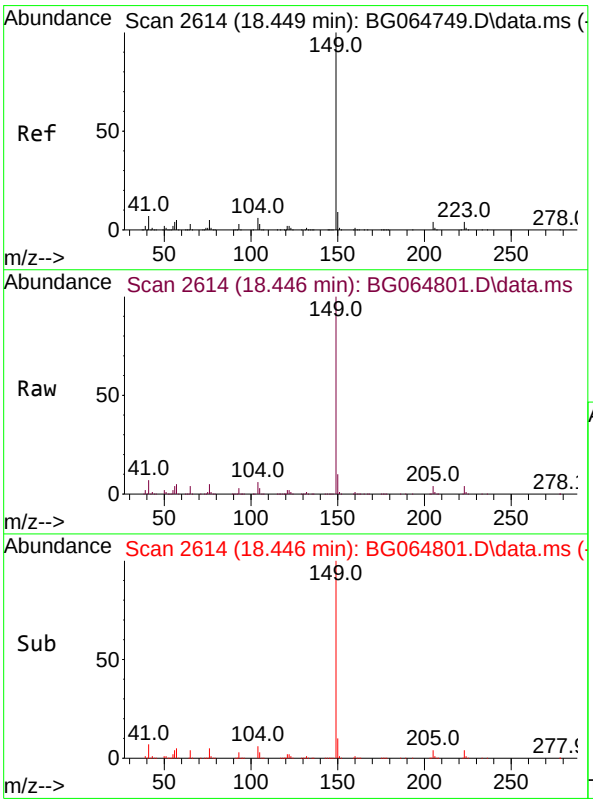
Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	11.7	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

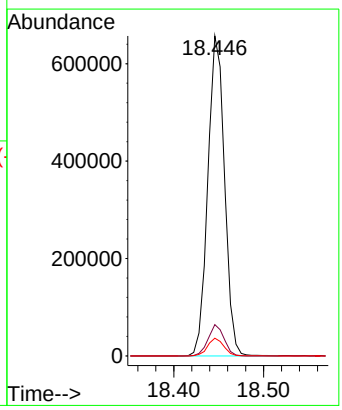


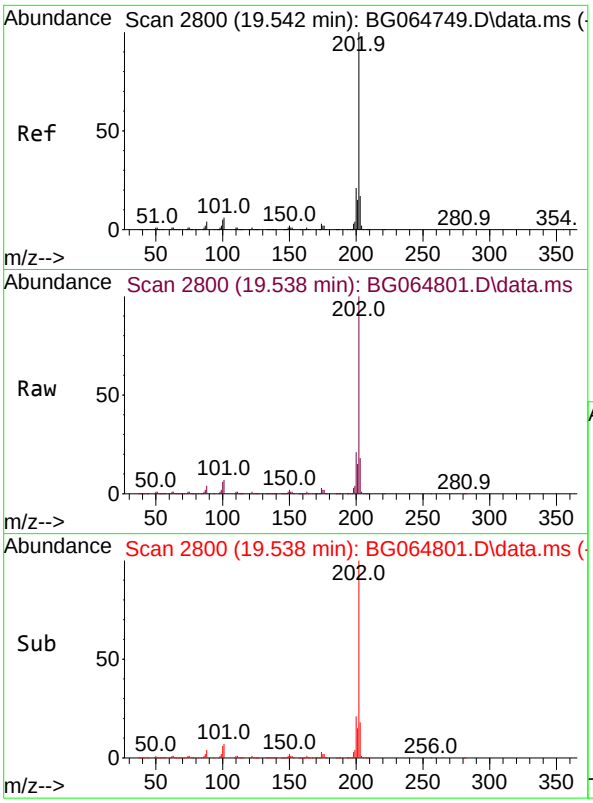


#74
Di-n-butylphthalate
Concen: 43.226 ng
RT: 18.446 min Scan# 2614
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:149 Resp: 850709

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.5	11.3
104	5.5	4.4	6.6

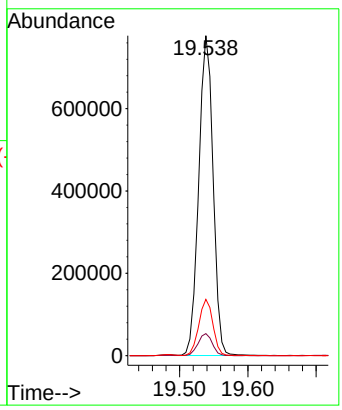




#75
Fluoranthene
Concen: 41.344 ng
RT: 19.538 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:202 Resp: 113773

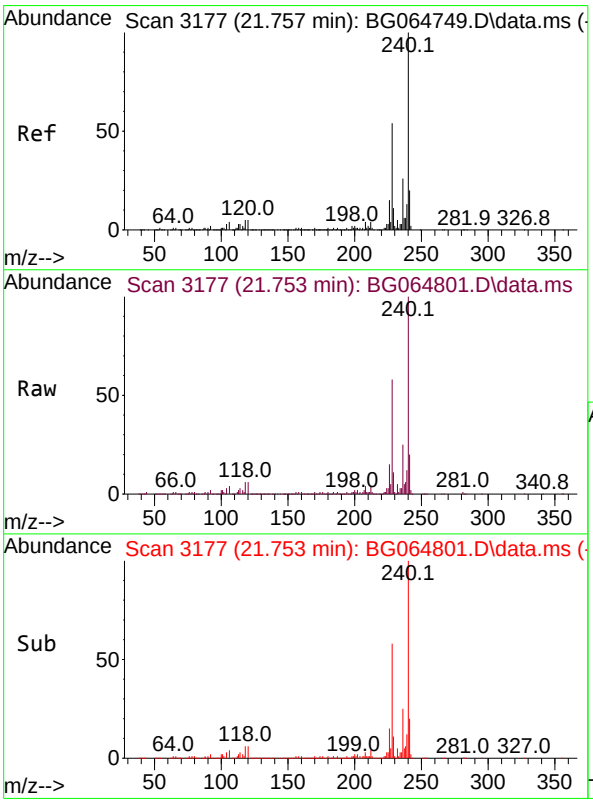
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.4
203	17.6	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

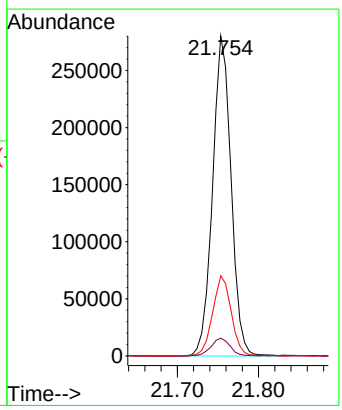
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

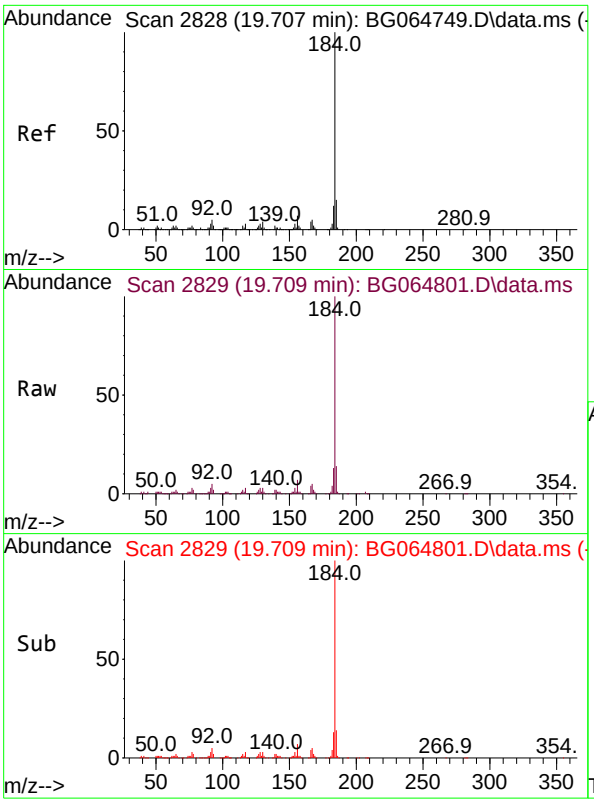


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.753 min Scan# 3177
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:240 Resp: 443295

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.2	6.4
236	25.0	20.8	31.2

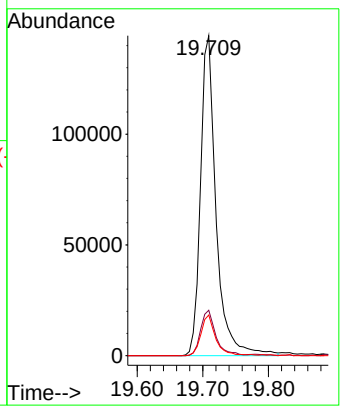




#77
Benzidine
Concen: 17.878 ng
RT: 19.709 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:184 Resp: 23734

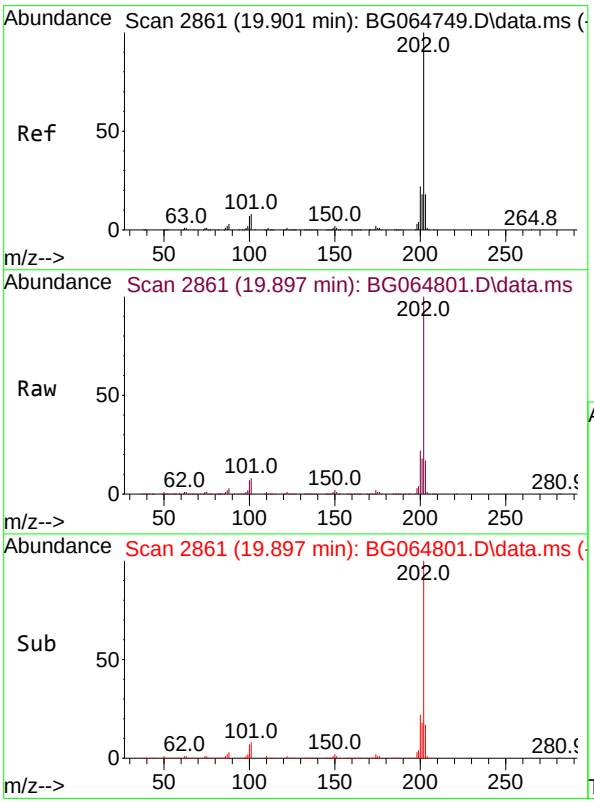
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.8	17.6
183	12.7	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

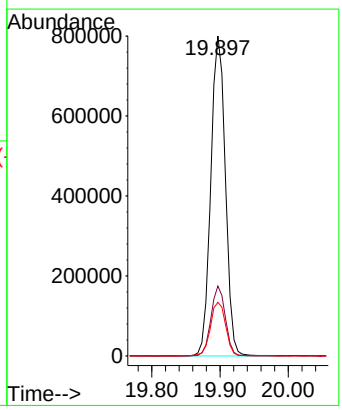
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

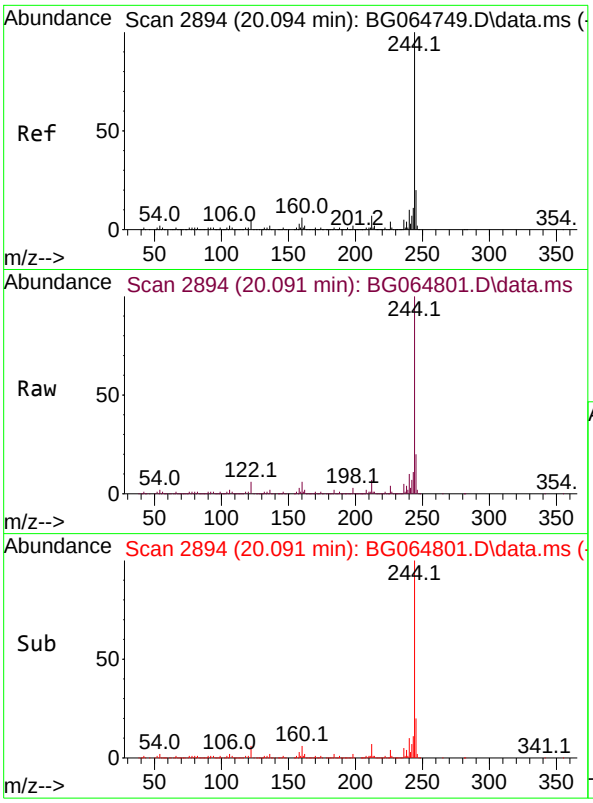


#78
Pyrene
Concen: 47.702 ng
RT: 19.897 min Scan# 2861
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:202 Resp: 1185154

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.9	26.9
203	16.7	14.0	21.0





#79
Terphenyl-d14
Concen: 83.740 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

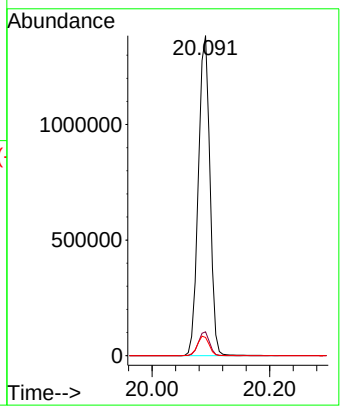
Tgt Ion:244 Resp: 188713

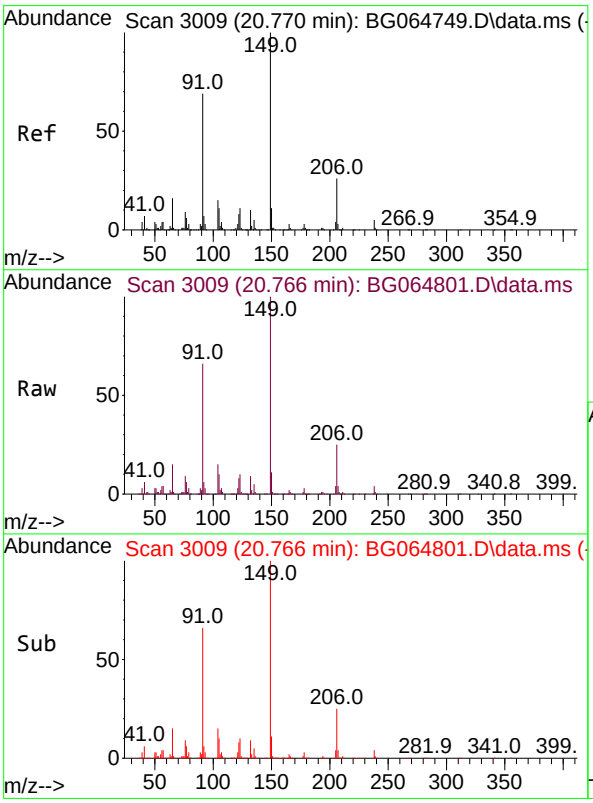
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	5.7	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

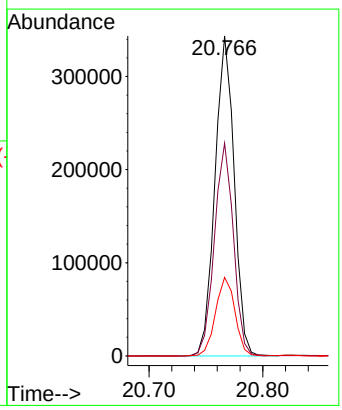


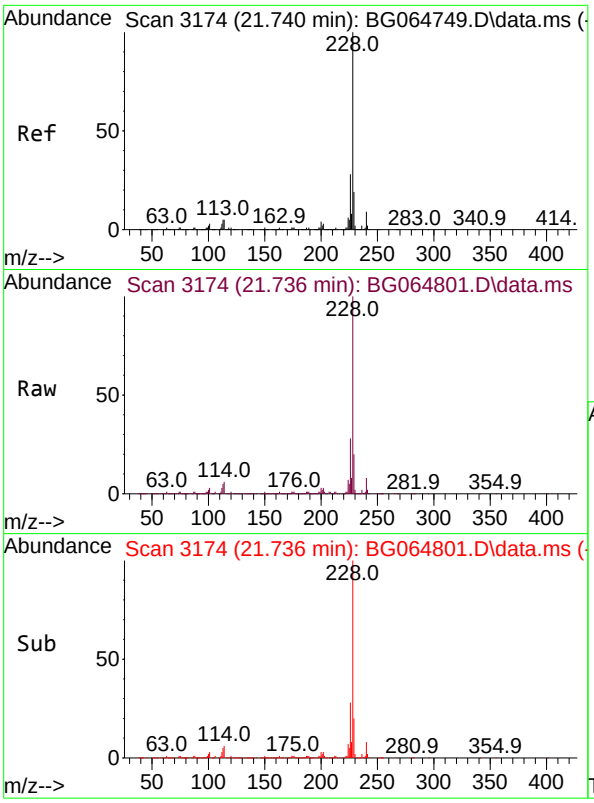


#80
Butylbenzylphthalate
Concen: 46.061 ng
RT: 20.766 min Scan# 3009
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:149 Resp: 402517

Ion	Ratio	Lower	Upper
149	100		
91	66.5	54.9	82.3
206	24.5	21.2	31.8





#81
Benzo(a)anthracene
Concen: 42.449 ng
RT: 21.736 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

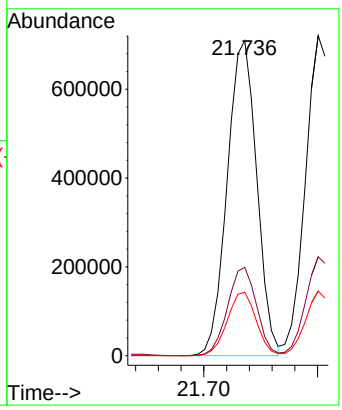
Tgt Ion:228 Resp: 127952

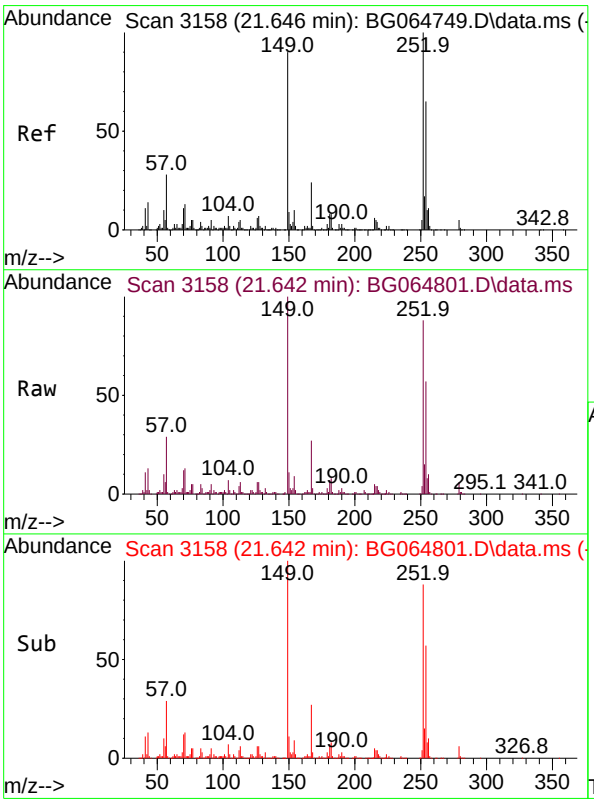
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	20.1	15.5	23.3

Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

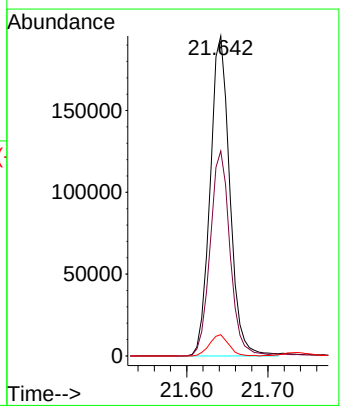


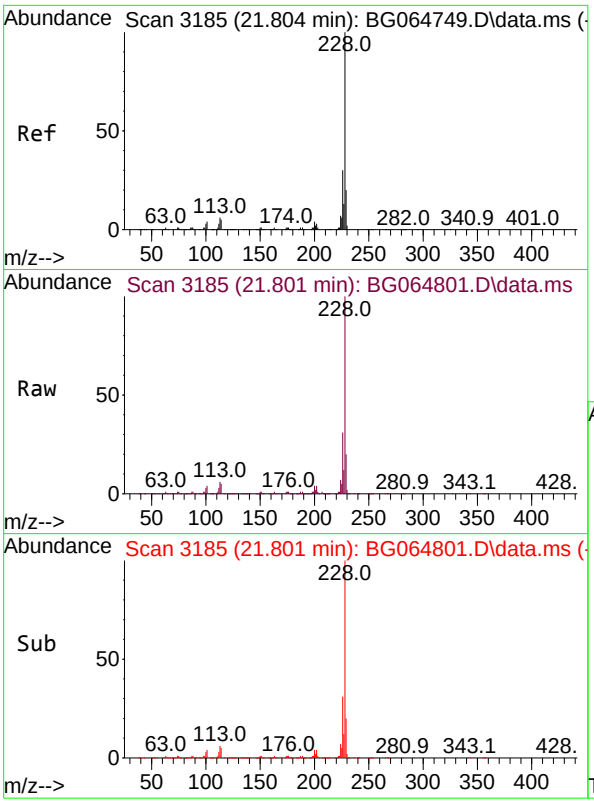


#82
3,3'-Dichlorobenzidine
Concen: 29.546 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:252 Resp: 327800

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.8
126	6.6	4.7	7.1

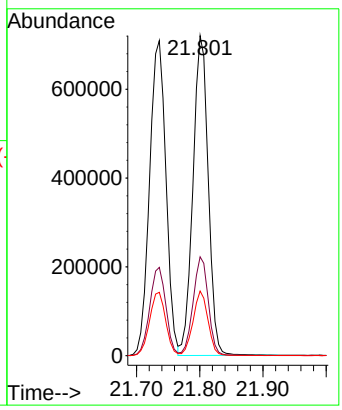




#83
Chrysene
Concen: 42.701 ng
RT: 21.801 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:228 Resp: 121346

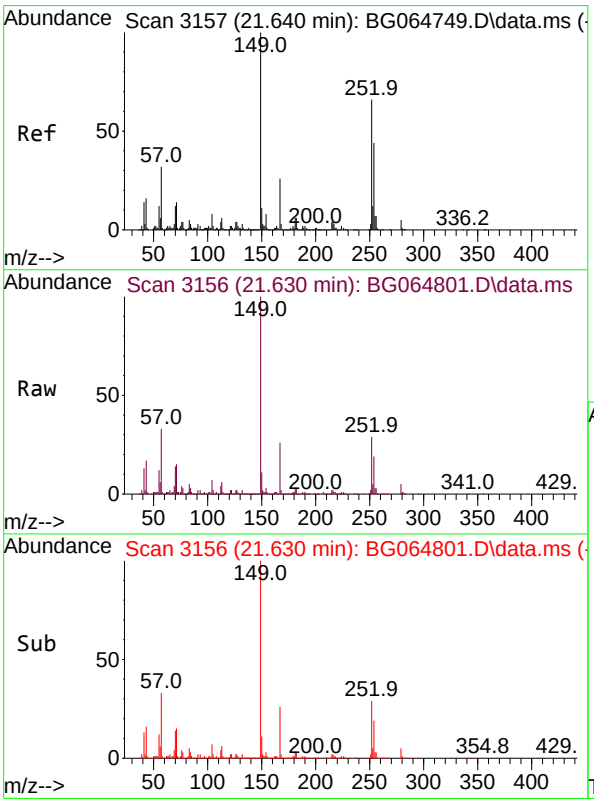
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	20.2	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

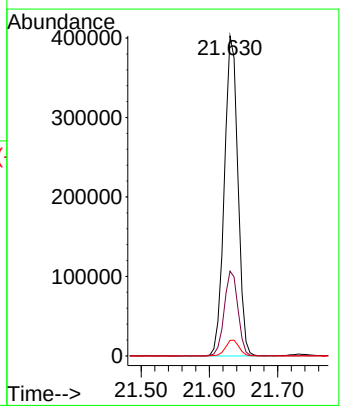
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

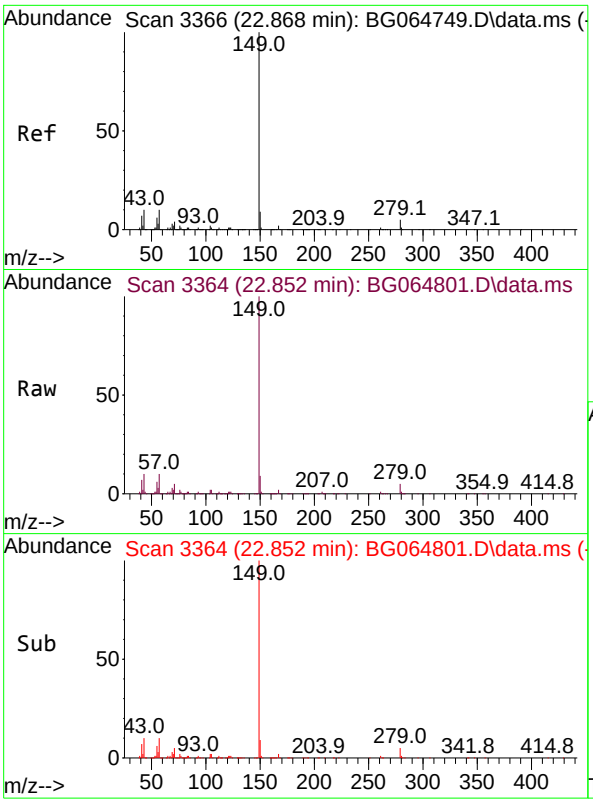


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.327 ng
RT: 21.630 min Scan# 3156
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:149 Resp: 553281

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	4.8	4.1	6.1

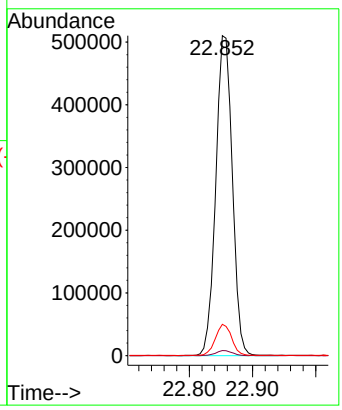




#85
Di-n-octyl phthalate
Concen: 42.020 ng
RT: 22.852 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:149 Resp: 92751

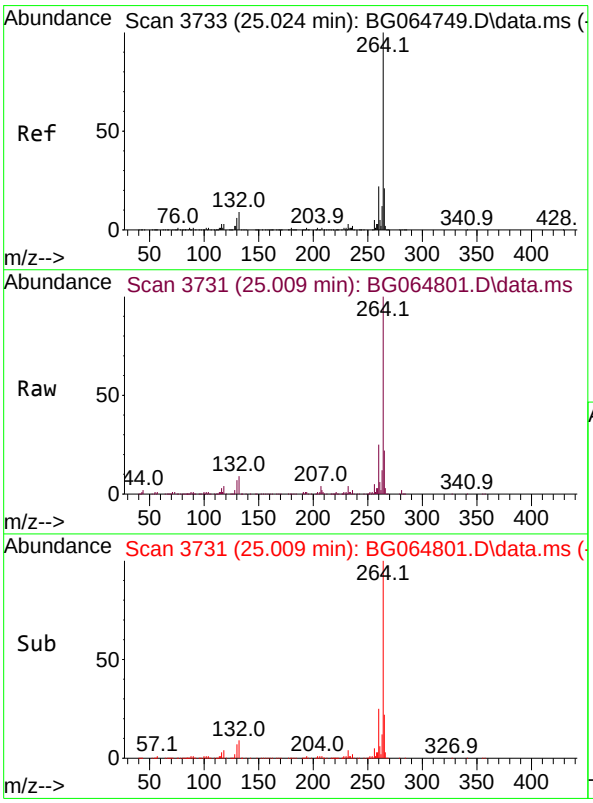
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

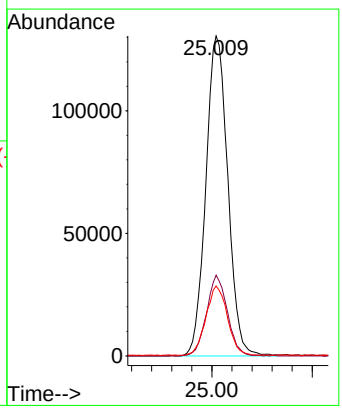
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

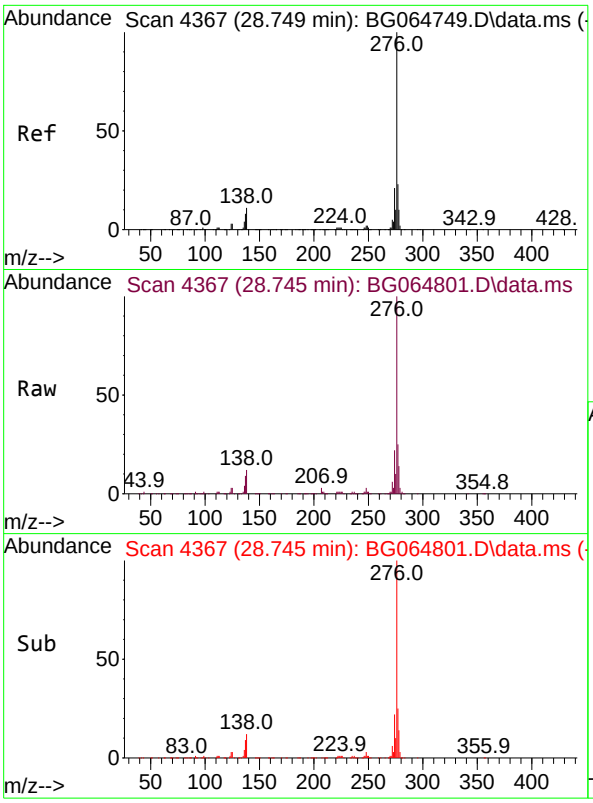


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:264 Resp: 396280

Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.2	25.8
265	21.8	16.6	25.0

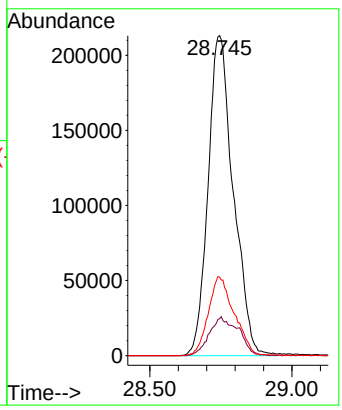




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.271 ng
RT: 28.745 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:276 Resp: 131421

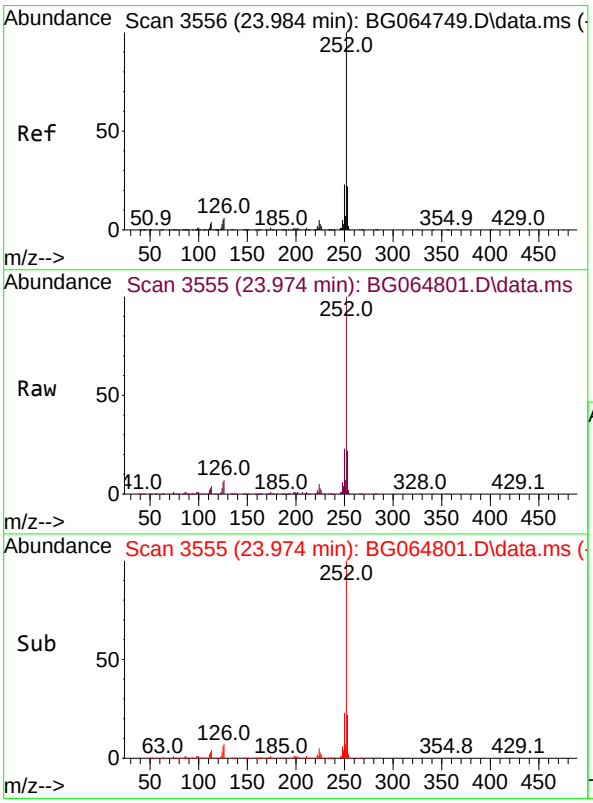
Ion	Ratio	Lower	Upper
276	100		
138	13.9	4.5	6.7
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

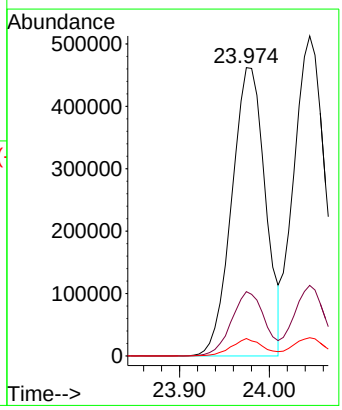
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

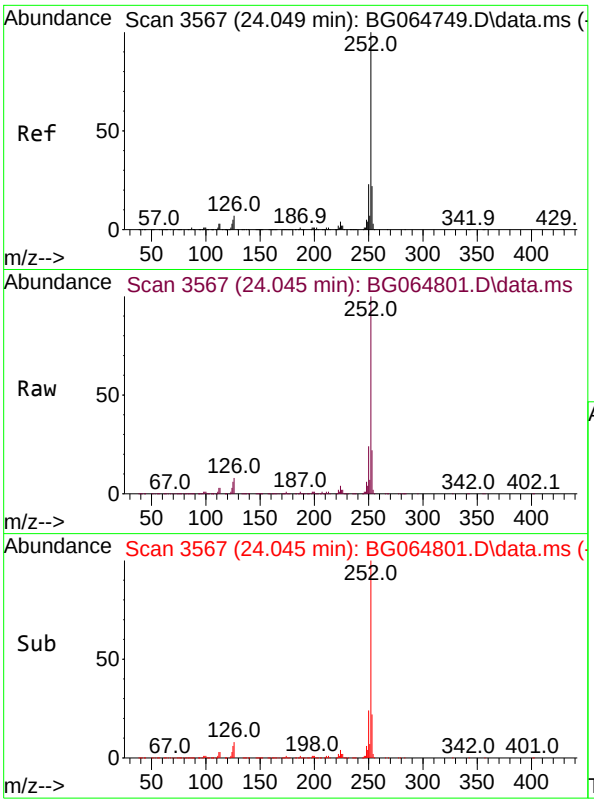


#88
Benzo(b)fluoranthene
Concen: 47.716 ng
RT: 23.974 min Scan# 3555
Delta R.T. -0.010 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:252 Resp: 1203332

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.0	4.2	6.2

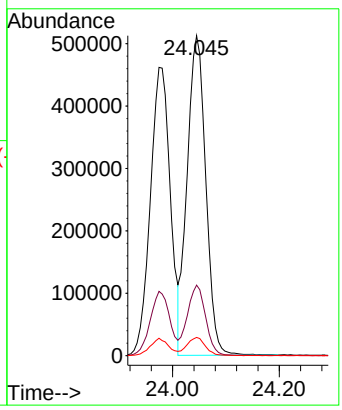




#89
Benzo(k)fluoranthene
Concen: 49.123 ng
RT: 24.045 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:252 Resp: 124457

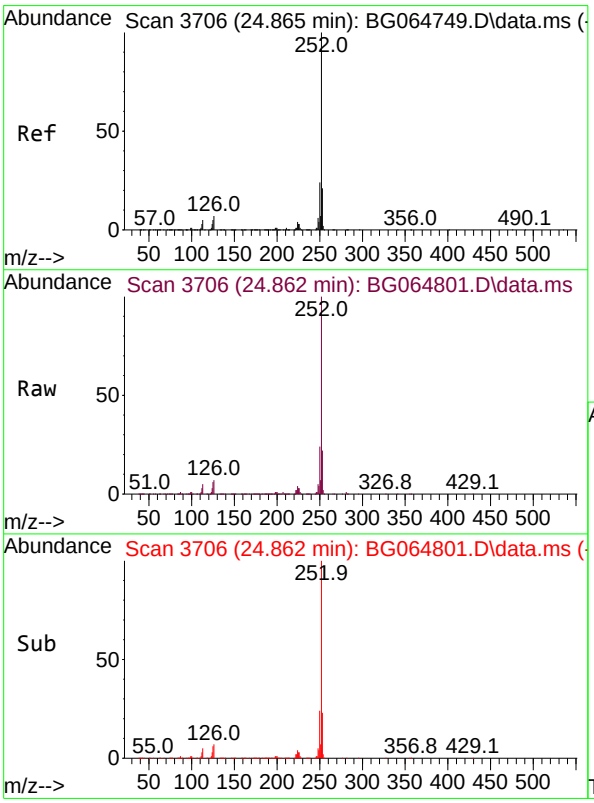
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	5.7	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

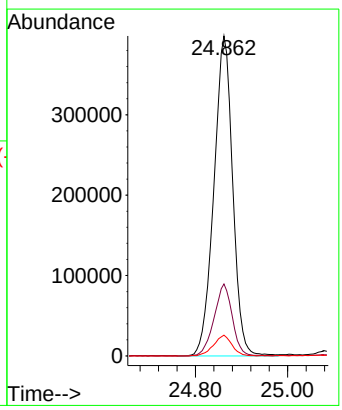
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

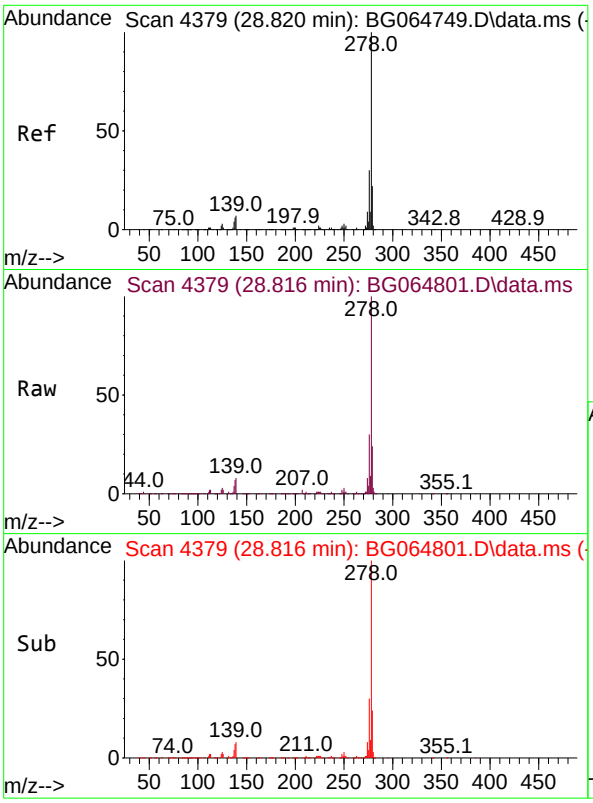


#90
Benzo(a)pyrene
Concen: 48.213 ng
RT: 24.862 min Scan# 3706
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:252 Resp: 1127879

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.9	25.3
125	6.5	4.2	6.4#

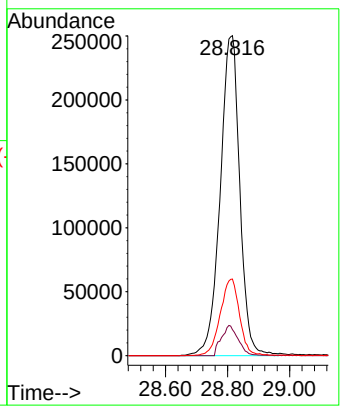




#91
Dibenzo(a,h)anthracene
Concen: 49.180 ng
RT: 28.816 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:278 Resp: 109691

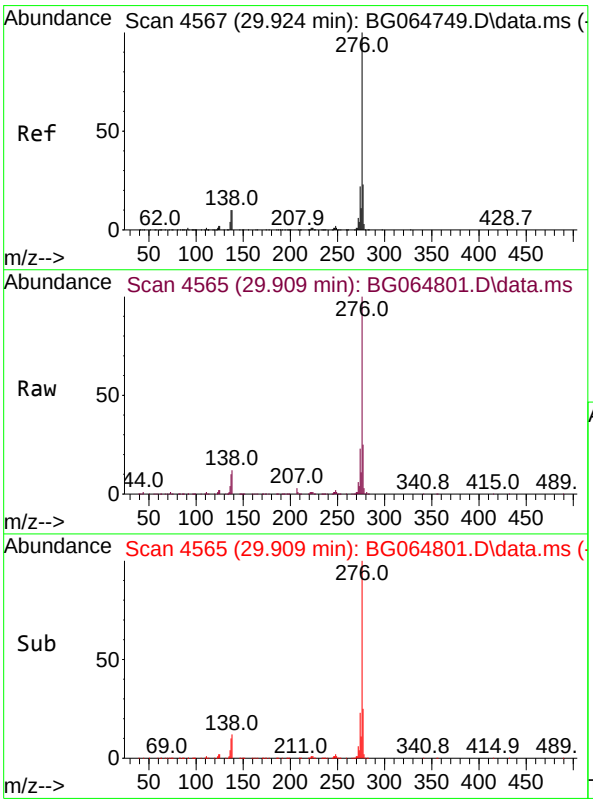
Ion	Ratio	Lower	Upper
278	100		
139	8.1	5.8	8.8
279	23.9	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
PB170598BS

Manual Integrations
APPROVED

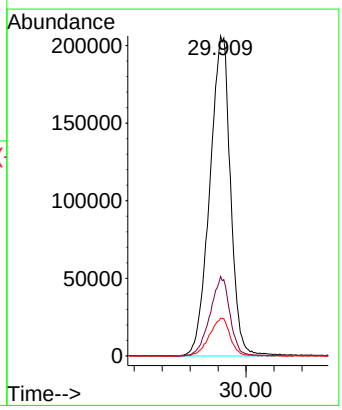
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 49.262 ng
RT: 29.909 min Scan# 4565
Delta R.T. -0.015 min
Lab File: BG064801.D
Acq: 18 Nov 2025 13:34

Tgt Ion:276 Resp: 1057418

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.0	27.0
138	11.8	8.2	12.2



Raw Data: **BG064805.D**

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	11/17/25
Project:	NJ Soil PT			Date Received:	11/17/25
Client Sample ID:	NB-07-111725MS			SDG No.:	Q3483
Lab Sample ID:	Q3658-01MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.9
Sample Wt/Vol:	50.03 g	Final Vol:	1000 uL	Test:	SVOCMS Group4
Prep Method :	SW3541	Prep Date:	11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
1912-24-9	Atrazine	1000		1	22.4	110	ug/Kg	11/18/25 16:21	PB170598
SURROGATES									
367-12-4	2-Fluorophenol	98.6			10 - 105	66%	SPK: 150		
13127-88-3	Phenol-d6	99.7			10 - 103	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	62.3			10 - 108	62%	SPK: 100		
321-60-8	2-Fluorobiphenyl	59.3			10 - 108	59%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	90.8			10 - 116	61%	SPK: 150		
1718-51-0	Terphenyl-d14	73.4			10 - 109	73%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	48200							
1146-65-2	Naphthalene-d8	195000							
15067-26-2	Acenaphthene-d10	156000							
1517-22-2	Phenanthrene-d10	349000							
1719-03-5	Chrysene-d12	337000							
1520-96-3	Perylene-d12	363000							

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

Sample Results: **BG064805.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064805.D
Acq On : 18 Nov 2025 16:21
Operator : RC/JU
Sample : Q3658-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 16:56:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	48188	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	195252	20.000	ng	# 0.00
39) Acenaphthene-d10	14.774	164	155870	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	348676	20.000	ng	0.00
76) Chrysene-d12	21.754	240	336753	20.000	ng	0.00
86) Perylene-d12	25.015	264	363160	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	271985	98.561	ng	0.00
7) Phenol-d6	7.312	99	365828	99.671	ng	0.00
23) Nitrobenzene-d5	9.327	82	246163	62.335	ng	0.00
42) 2,4,6-Tribromophenol	16.254	330	275931	90.768	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	662190	59.279	ng	0.00
79) Terphenyl-d14	20.091	244	1256101	73.373	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.516	88	36011	33.708	ng	99
3) Pyridine	3.934	79	101452	31.872	ng	95
4) n-Nitrosodimethylamine	3.840	42	64255	39.661	ng	93
6) Aniline	7.477	93	94592	19.335	ng	99
8) 2-Chlorophenol	7.723	128	144990	47.850	ng	99
9) Benzaldehyde	7.289	77	69717	29.017	ng	93
10) Phenol	7.336	94	186919	46.806	ng	97
11) bis(2-Chloroethyl)ether	7.571	93	125858	44.289	ng	98
12) 1,3-Dichlorobenzene	8.052	146	156109	44.773	ng	97
13) 1,4-Dichlorobenzene	8.199	146	161464	45.479	ng	97
14) 1,2-Dichlorobenzene	8.522	146	159539	46.344	ng	96
15) Benzyl Alcohol	8.393	79	141575	46.993	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.687	45	275986	41.031	ng	97
17) 2-Methylphenol	8.599	107	136651	48.361	ng	95
18) Hexachloroethane	9.257	117	59487	44.238	ng	98
19) n-Nitroso-di-n-propyla...	8.969	70	110971	44.716	ng	94
20) 3+4-Methylphenols	8.928	107	184193	47.583	ng	93
22) Acetophenone	8.987	105	232753	43.754	ng	97
24) Nitrobenzene	9.368	77	175089	43.880	ng	96
25) Isophorone	9.897	82	319462	42.480	ng	96
26) 2-Nitrophenol	10.085	139	87880	48.965	ng	96
27) 2,4-Dimethylphenol	10.138	122	148894	46.697	ng	99
28) bis(2-Chloroethoxy)met...	10.373	93	186357	45.138	ng	99
29) 2,4-Dichlorophenol	10.626	162	168740	49.293	ng	97
30) 1,2,4-Trichlorobenzene	10.843	180	197518	47.783	ng	98
31) Naphthalene	11.031	128	487558	44.050	ng	99
32) Benzoic acid	10.285	122	112360	49.693	ng	94
33) 4-Chloroaniline	11.131	127	45187	10.206	ng	99
34) Hexachlorobutadiene	11.325	225	152598	43.025	ng	98
35) Caprolactam	11.901	113	46162m	45.085	ng	
36) 4-Chloro-3-methylphenol	12.242	107	178954	46.967	ng	98
37) 2-Methylnaphthalene	12.623	142	336610	40.640	ng	98
38) 1-Methylnaphthalene	12.841	142	349765	42.510	ng	98
40) 1,2,4,5-Tetrachloroben...	12.988	216	278911	45.979	ng	99
41) Hexachlorocyclopentadiene	12.970	237	223701	51.450	ng	98
43) 2,4,6-Trichlorophenol	13.217	196	174327	48.965	ng	99

Sample Results: **BG064805.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064805.D
Acq On : 18 Nov 2025 16:21
Operator : RC/JU
Sample : Q3658-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 16:56:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.287	196	191296	47.907	ng		98
46)	1,1'-Biphenyl	13.616	154	515038	46.006	ng		97
47)	2-Chloronaphthalene	13.663	162	401490	45.521	ng		99
48)	2-Nitroaniline	13.851	65	134647	47.464	ng		99
49)	Acenaphthylene	14.504	152	691802	45.912	ng		99
50)	Dimethylphthalate	14.222	163	527447	42.838	ng		99
51)	2,6-Dinitrotoluene	14.339	165	112556	47.507	ng		93
52)	Acenaphthene	14.839	154	445517	49.313	ng		100
53)	3-Nitroaniline	14.668	138	66262	28.336	ng		95
54)	2,4-Dinitrophenol	14.868	184	118117	73.554	ng		95
55)	Dibenzofuran	15.168	168	673078	45.064	ng		98
56)	4-Nitrophenol	14.968	139	173189	93.348	ng		92
57)	2,4-Dinitrotoluene	15.121	165	164718	46.373	ng	#	97
58)	Fluorene	15.814	166	514570	43.926	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.391	232	195914	49.728	ng		97
60)	Diethylphthalate	15.573	149	511099	43.332	ng		99
61)	4-Chlorophenyl-phenyle...	15.802	204	307850	43.789	ng		98
62)	4-Nitroaniline	15.820	138	97181	40.116	ng		93
63)	Azobenzene	16.096	77	495116	50.467	ng		96
65)	4,6-Dinitro-2-methylph...	15.878	198	88449	45.688	ng		95
66)	n-Nitrosodiphenylamine	16.014	169	463930	50.797	ng		100
67)	4-Bromophenyl-phenylether	16.689	248	226501	49.466	ng		97
68)	Hexachlorobenzene	16.819	284	262785	47.369	ng		97
69)	Atrazine	16.948	200	201168	45.686	ng		98
70)	Pentachlorophenol	17.153	266	321249	96.485	ng		99
71)	Phenanthrene	17.547	178	886662	46.477	ng		99
72)	Anthracene	17.635	178	877242	45.096	ng		99
73)	Carbazole	17.900	167	725006	43.355	ng		99
74)	Di-n-butylphthalate	18.446	149	850883	45.607	ng		98
75)	Fluoranthene	19.539	202	1029901	39.479	ng		99
77)	Benzidine	19.709	184	229554	22.761	ng		97
78)	Pyrene	19.897	202	1051714	55.724	ng		99
80)	Butylbenzylphthalate	20.767	149	340509	51.293	ng		98
81)	Benzo(a)anthracene	21.736	228	1065650	46.539	ng		99
82)	3,3'-Dichlorobenzidine	21.642	252	181271	21.508	ng		97
83)	Chrysene	21.801	228	1006580	46.628	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.631	149	483937	49.887	ng		99
85)	Di-n-octyl phthalate	22.859	149	795379	47.433	ng		100
87)	Indeno(1,2,3-cd)pyrene	28.769	276	1293771	51.854	ng	#	96
88)	Benzo(b)fluoranthene	23.981	252	1089616	47.147	ng		99
89)	Benzo(k)fluoranthene	24.051	252	1049422	45.198	ng		99
90)	Benzo(a)pyrene	24.868	252	1016437	47.412	ng	#	99
91)	Dibenzo(a,h)anthracene	28.822	278	1046674	51.208	ng		98
92)	Benzo(g,h,i)perylene	29.927	276	1048620	53.307	ng		98

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

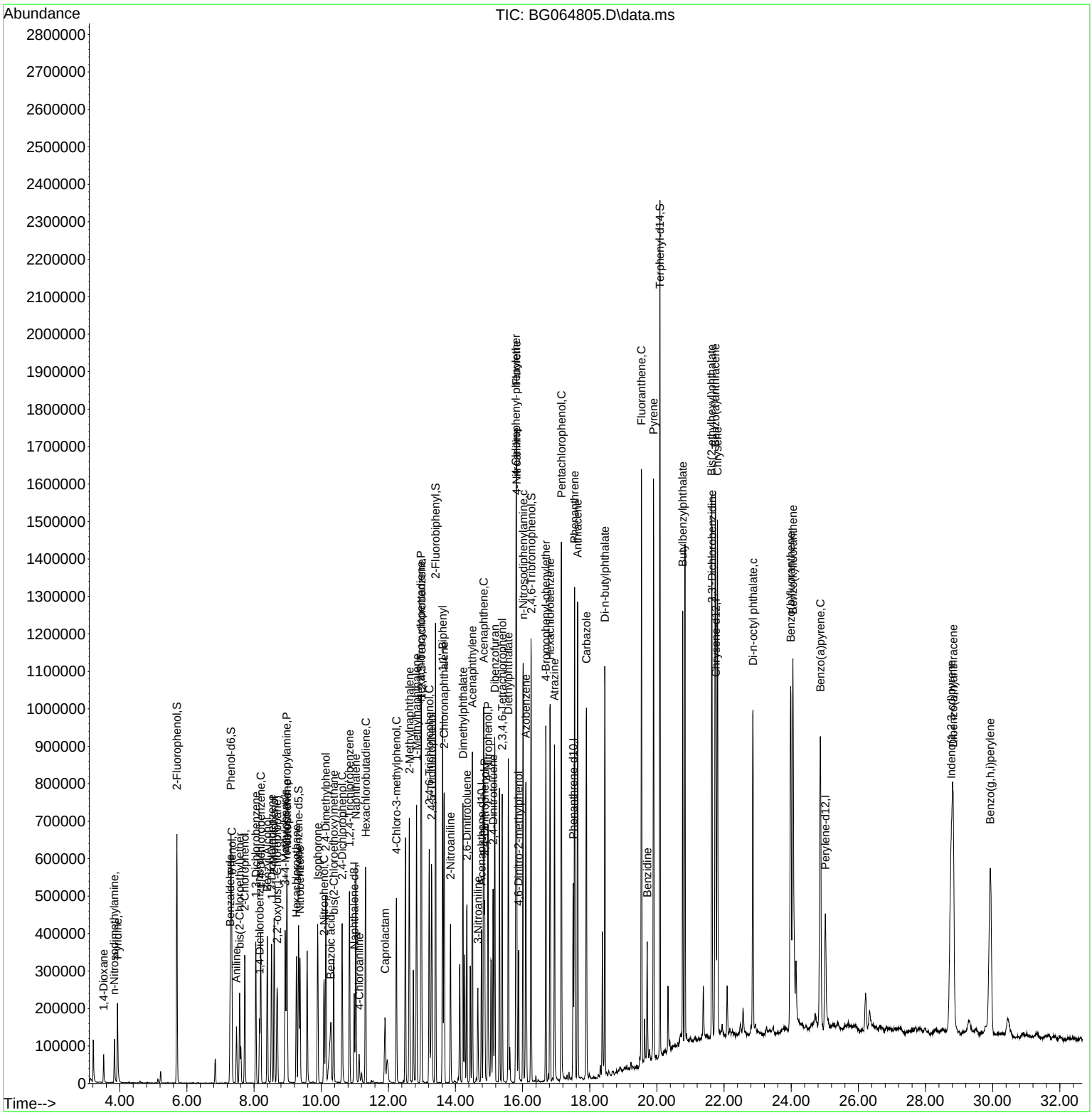
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064805.D
Acq On : 18 Nov 2025 16:21
Operator : RC/JU
Sample : Q3658-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

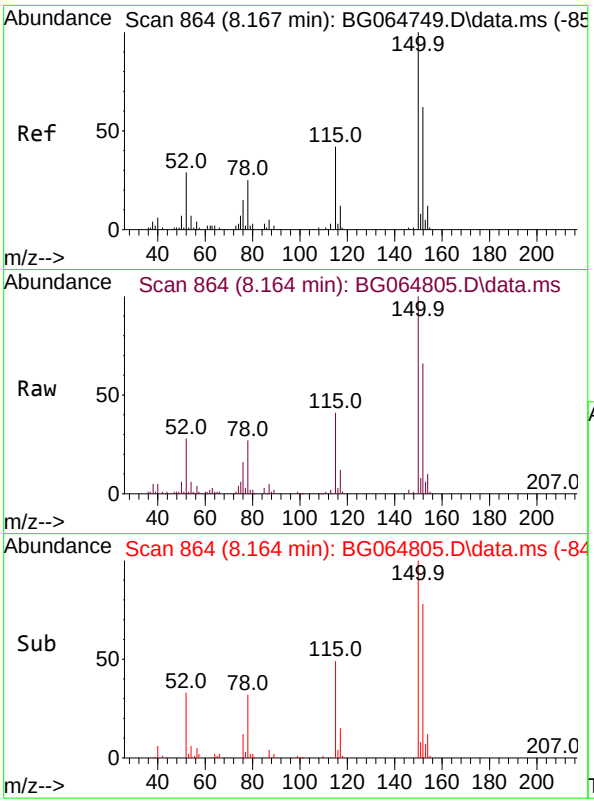
Quant Time: Nov 18 16:56:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

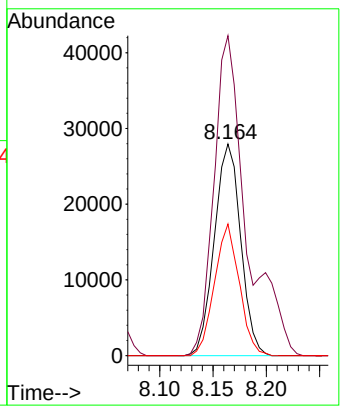




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:152 Resp: 4818

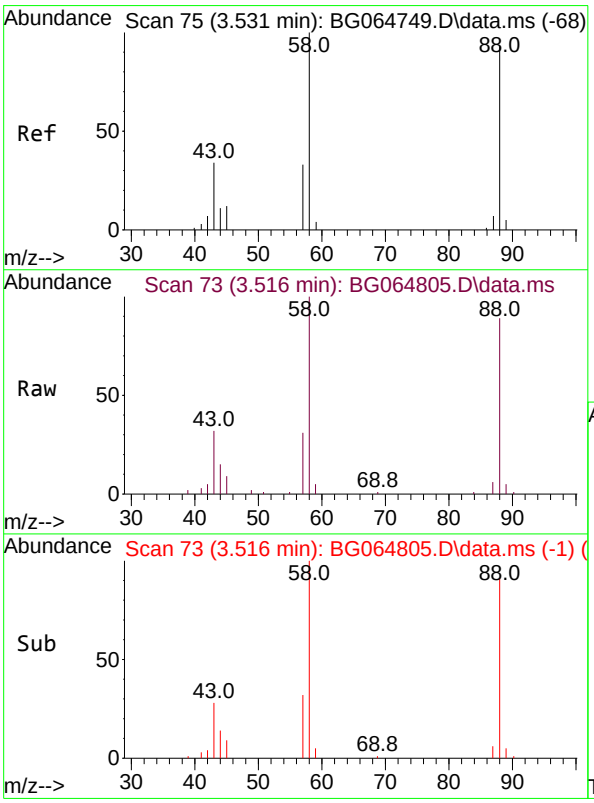
Ion	Ratio	Lower	Upper
152	100		
150	151.2	129.2	193.8
115	62.2	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

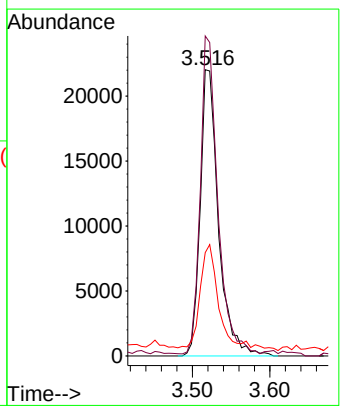
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

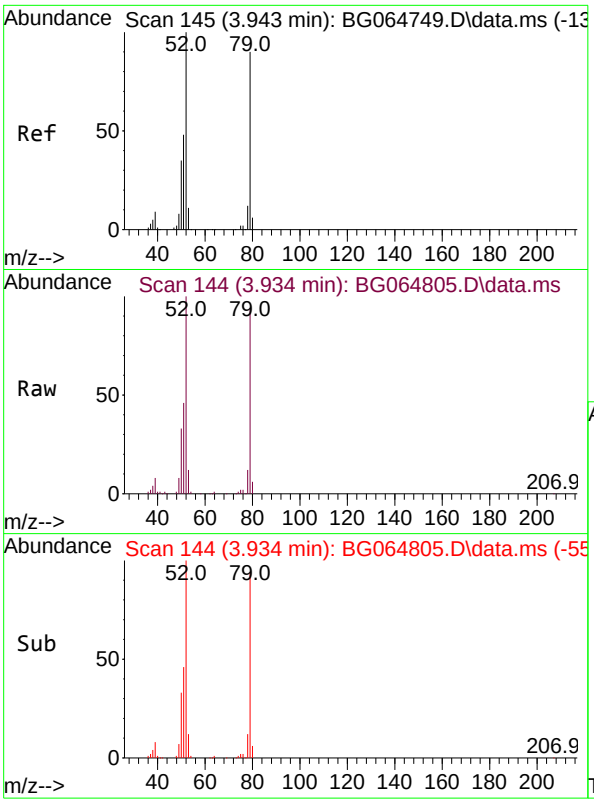


#2
1,4-Dioxane
Concen: 33.708 ng
RT: 3.516 min Scan# 73
Delta R.T. -0.015 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 88 Resp: 36011

Ion	Ratio	Lower	Upper
88	100		
58	106.4	84.6	126.8
43	39.4	30.0	45.0

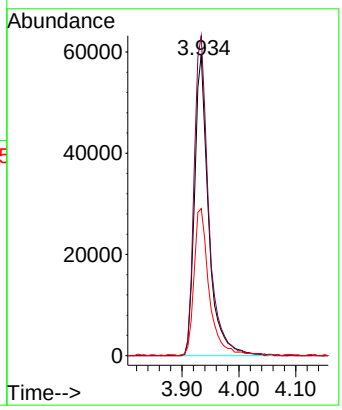




#3
Pyridine
Concen: 31.872 ng
RT: 3.934 min Scan# 14
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 79 Resp: 10145

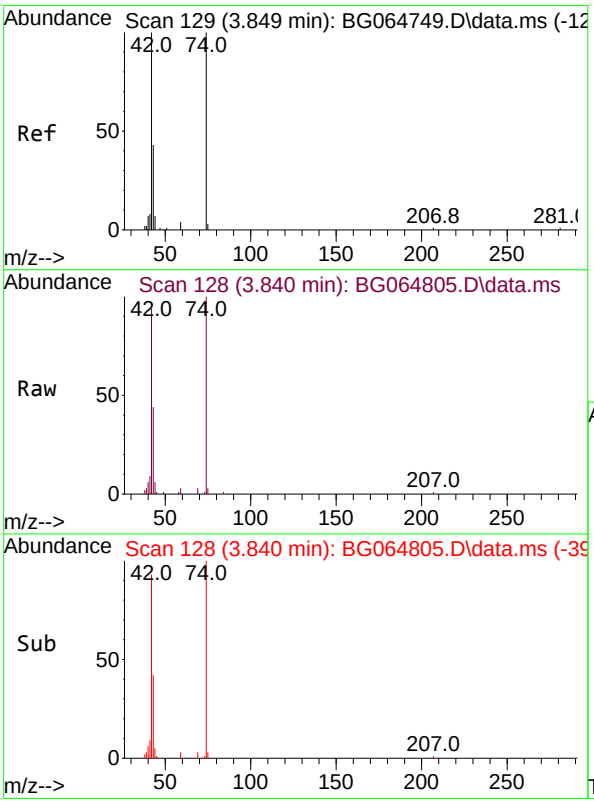
Ion	Ratio	Lower	Upper
79	100		
52	106.4	89.0	133.4
51	48.9	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

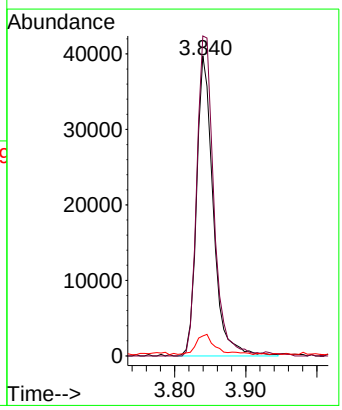
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

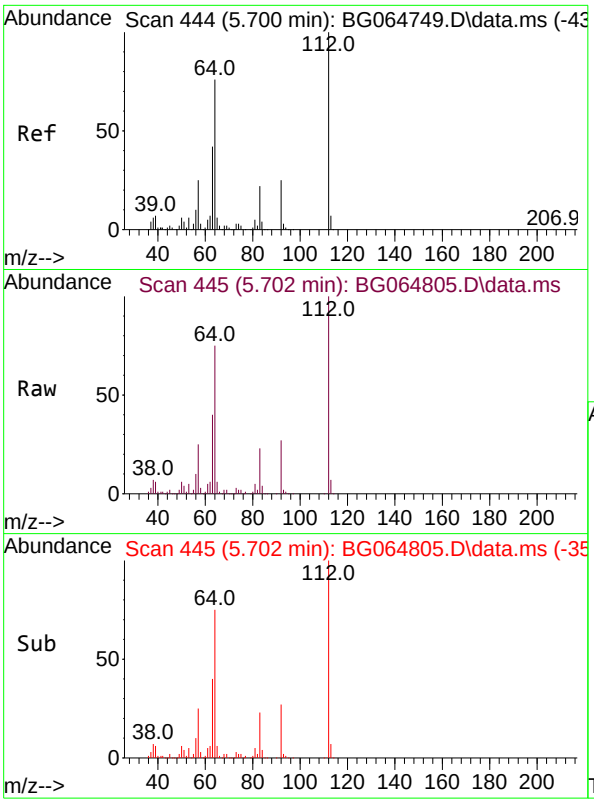


#4
n-Nitrosodimethylamine
Concen: 39.661 ng
RT: 3.840 min Scan# 128
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 42 Resp: 64255

Ion	Ratio	Lower	Upper
42	100		
74	106.6	79.8	119.6
44	6.6	5.9	8.9





#5
2-Fluorophenol
Concen: 98.561 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

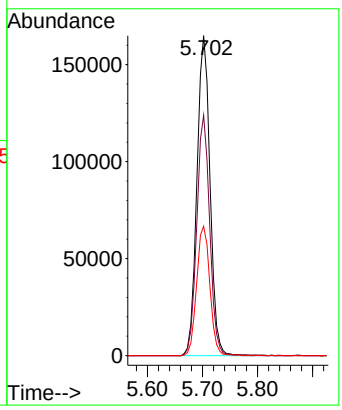
Tgt Ion:112 Resp: 27198

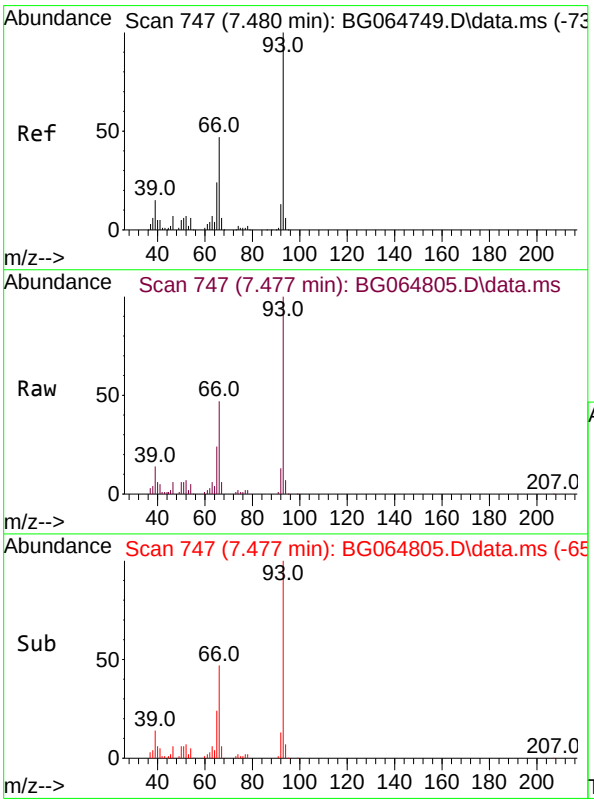
Ion	Ratio	Lower	Upper
112	100		
64	75.1	61.0	91.4
63	40.4	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

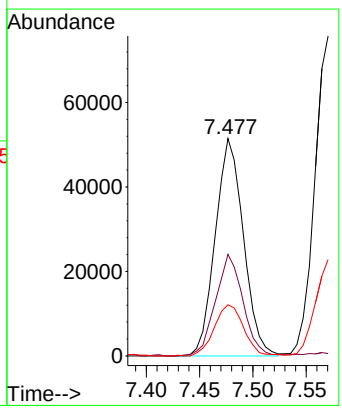


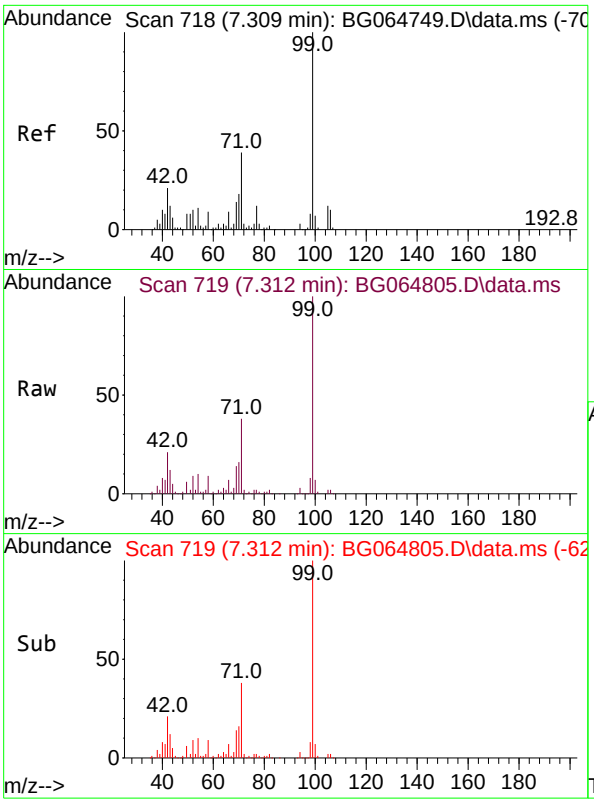


#6
Aniline
Concen: 19.335 ng
RT: 7.477 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 93 Resp: 94592

Ion	Ratio	Lower	Upper
93	100		
66	46.7	37.7	56.5
65	23.5	19.1	28.7

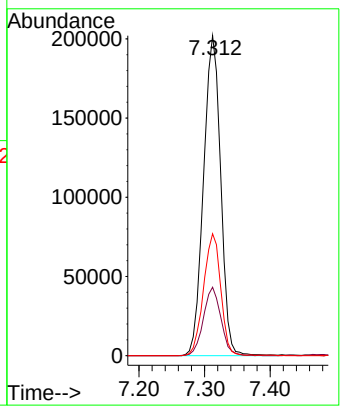




#7
Phenol-d6
Concen: 99.671 ng
RT: 7.312 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 99 Resp: 365828

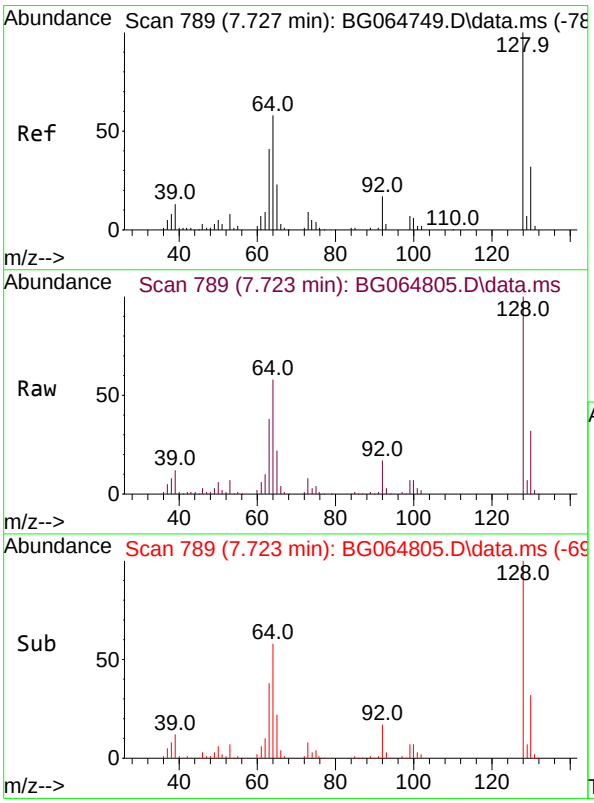
Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	38.1	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

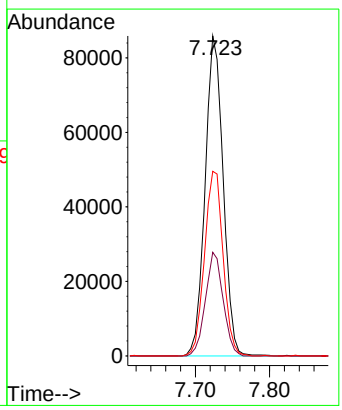
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

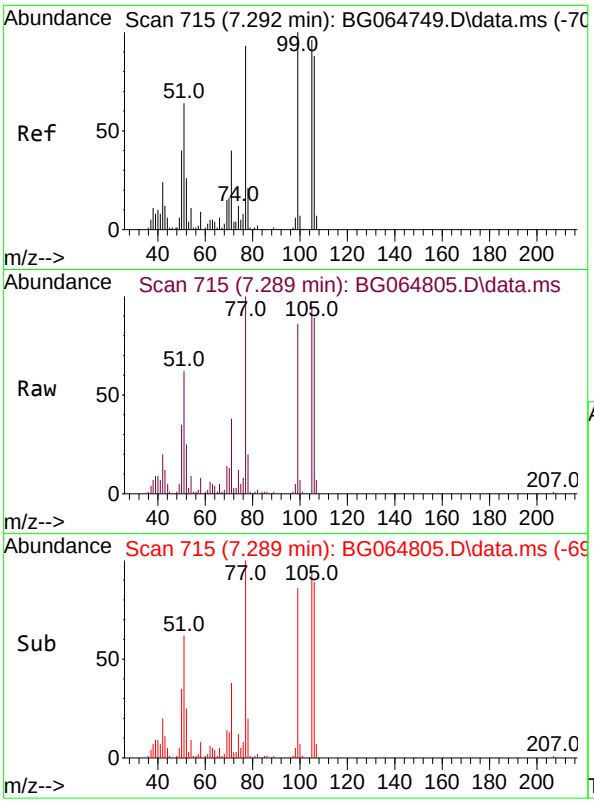


#8
2-Chlorophenol
Concen: 47.850 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:128 Resp: 144990

Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.9	51.9
64	57.7	38.4	78.4

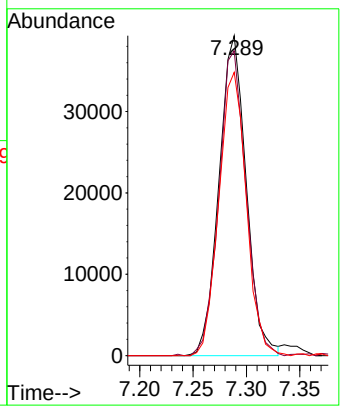




#9
Benzaldehyde
Concen: 29.017 ng
RT: 7.289 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 77 Resp: 6971

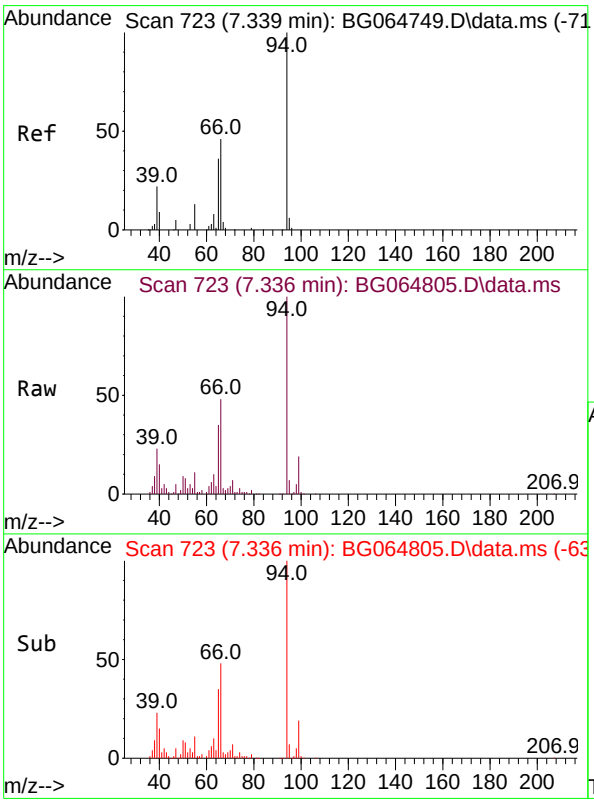
Ion	Ratio	Lower	Upper
77	100		
105	95.2	83.8	123.8
106	88.5	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

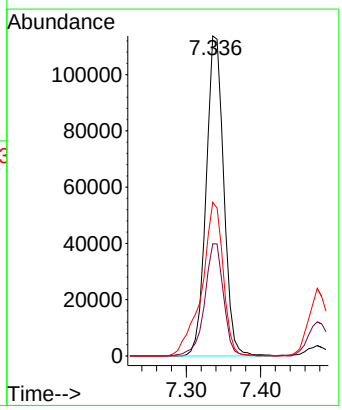
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

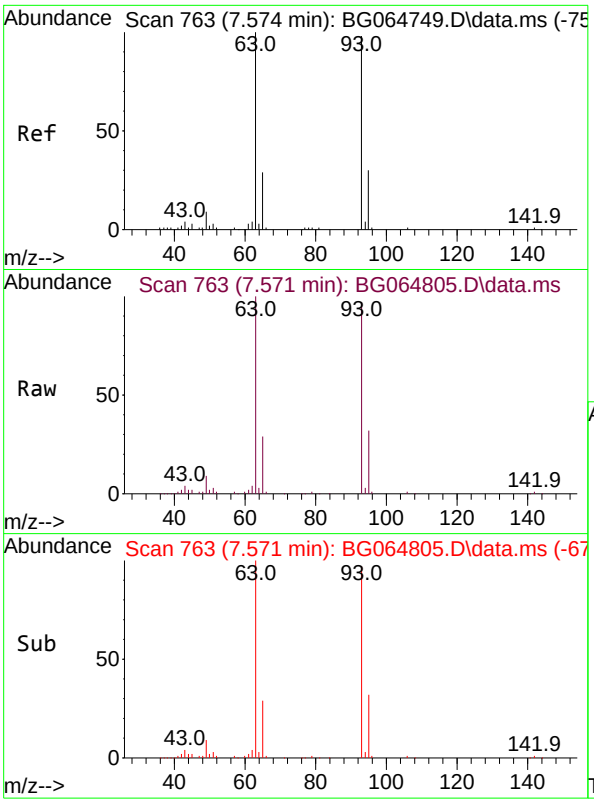


#10
Phenol
Concen: 46.806 ng
RT: 7.336 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 94 Resp: 186919

Ion	Ratio	Lower	Upper
94	100		
65	35.0	17.0	57.0
66	48.0	29.8	69.8

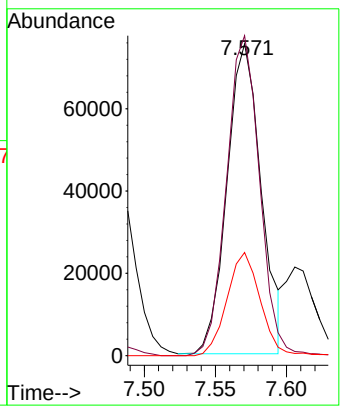




#11
bis(2-Chloroethyl)ether
Concen: 44.289 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 93 Resp: 12585

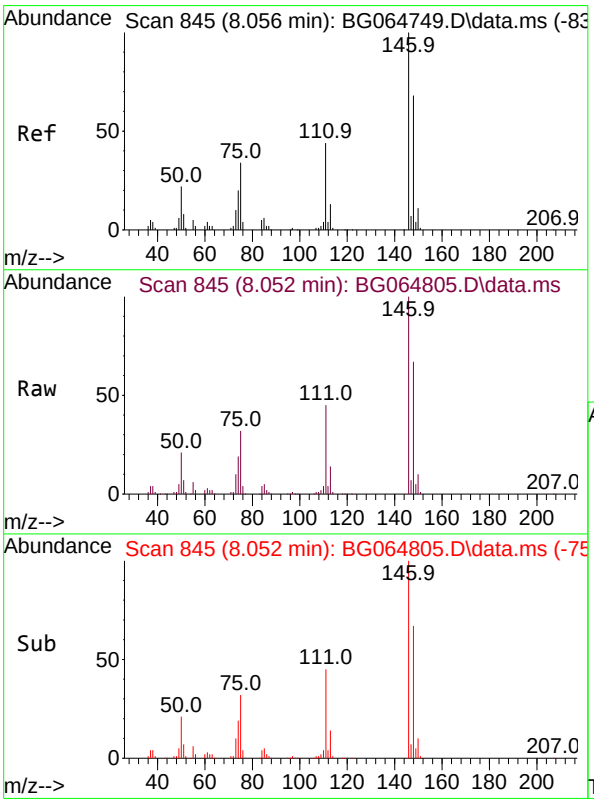
Ion	Ratio	Lower	Upper
93	100		
63	102.6	81.8	121.8
95	33.1	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

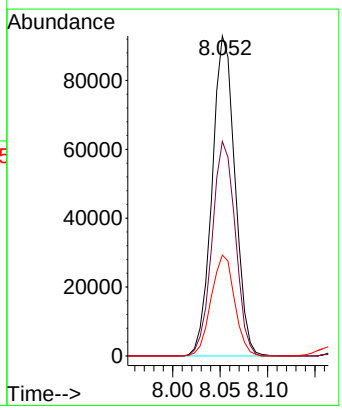
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

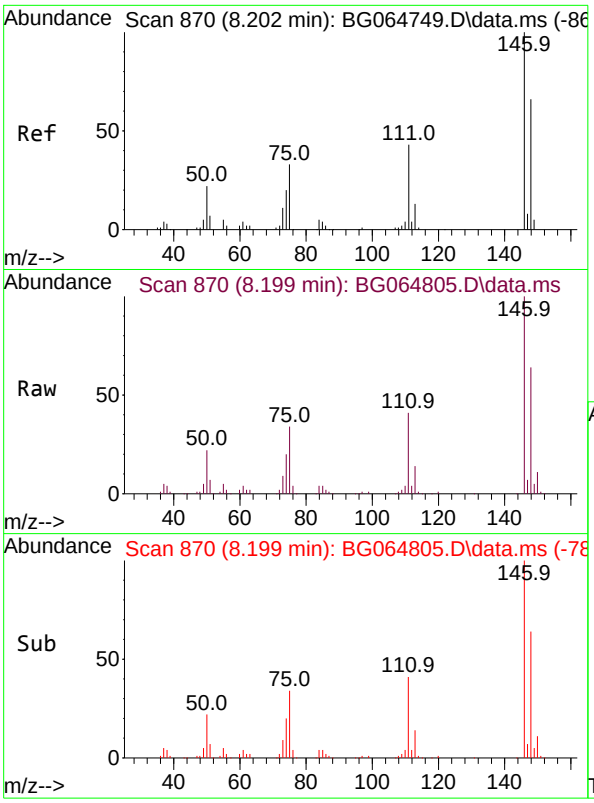


#12
1,3-Dichlorobenzene
Concen: 44.773 ng
RT: 8.052 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:146 Resp: 156109

Ion	Ratio	Lower	Upper
146	100		
148	67.0	54.6	82.0
75	31.5	27.6	41.4

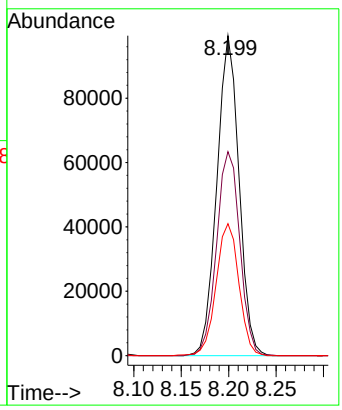




#13
1,4-Dichlorobenzene
Concen: 45.479 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:146 Resp: 16146

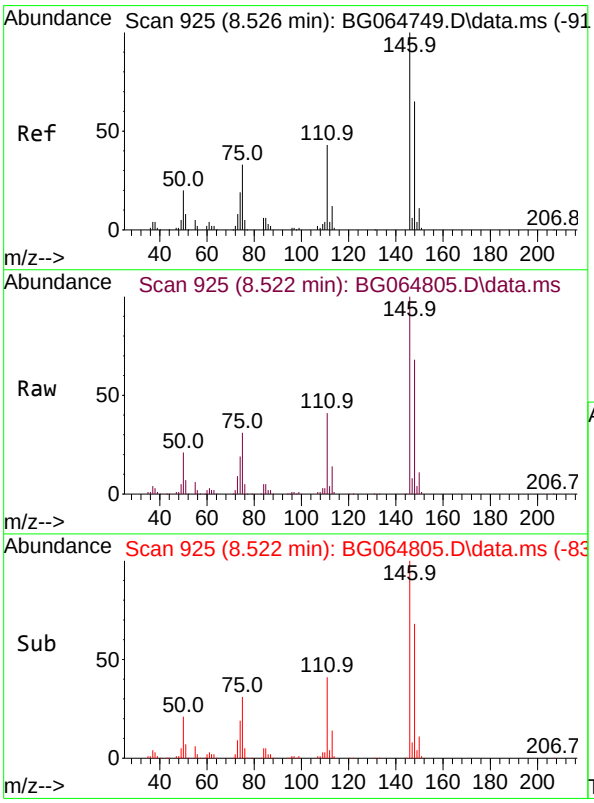
Ion	Ratio	Lower	Upper
146	100		
148	63.7	53.1	79.7
111	41.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

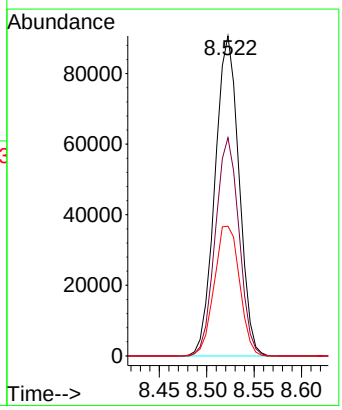
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

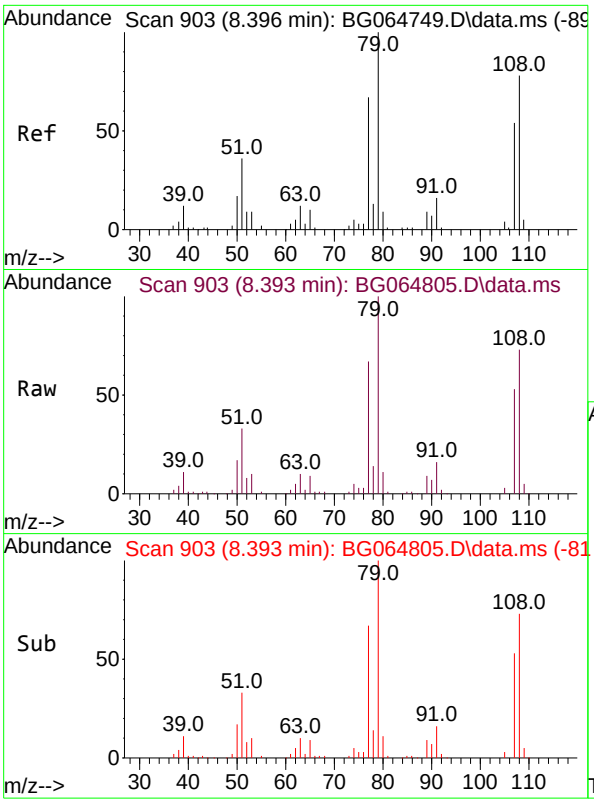


#14
1,2-Dichlorobenzene
Concen: 46.344 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:146 Resp: 159539

Ion	Ratio	Lower	Upper
146	100		
148	68.2	52.0	78.0
111	40.5	34.7	52.1

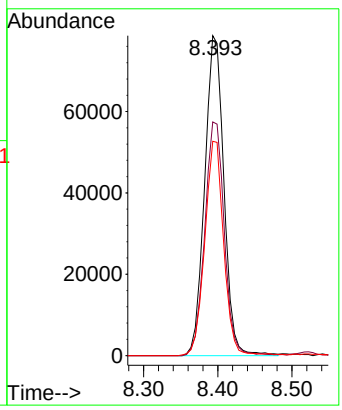




#15
Benzyl Alcohol
Concen: 46.993 ng
RT: 8.393 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 79 Resp: 14157

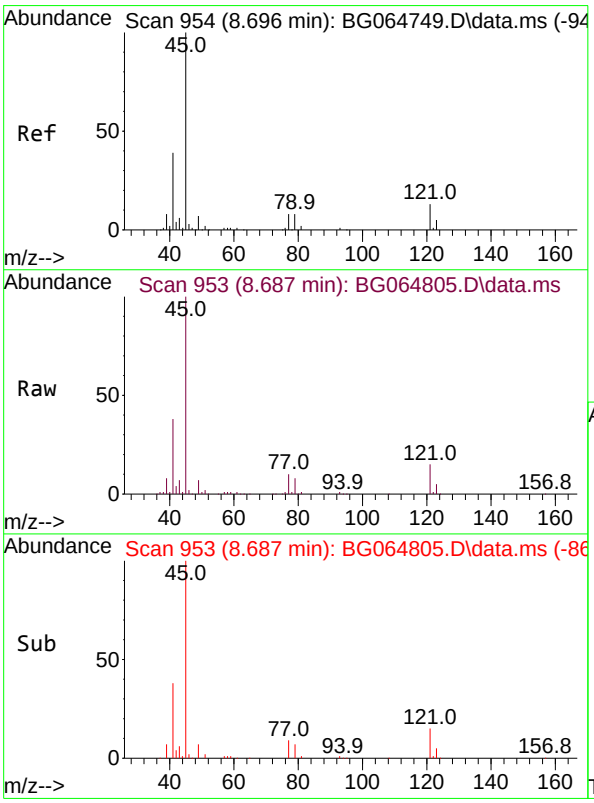
Ion	Ratio	Lower	Upper
79	100		
108	73.0	62.3	93.5
77	67.0	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

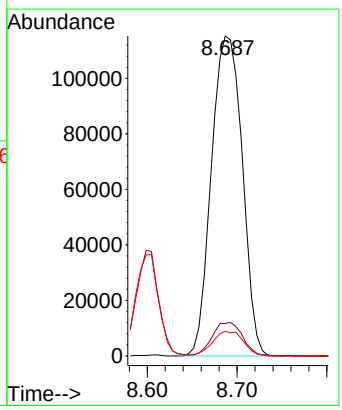
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

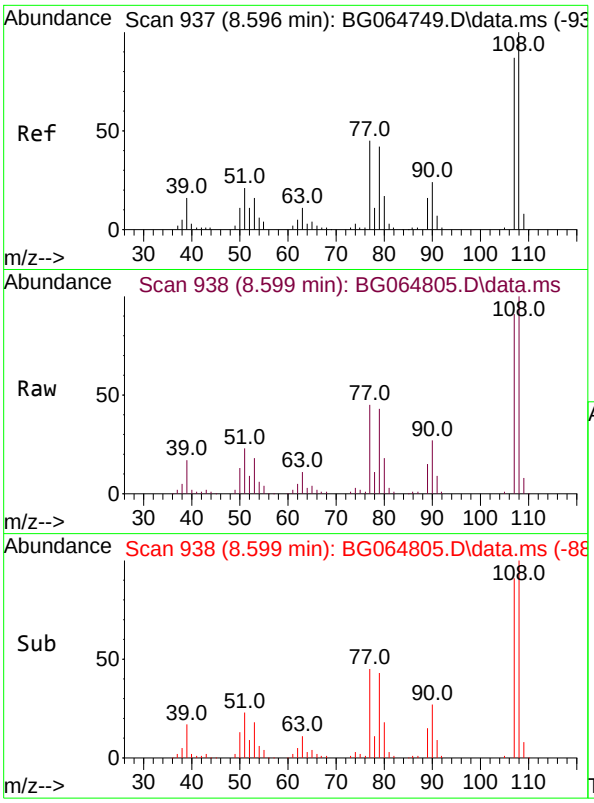


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.031 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 45 Resp: 275986

Ion	Ratio	Lower	Upper
45	100		
77	10.1	0.0	28.8
79	7.7	0.0	28.1

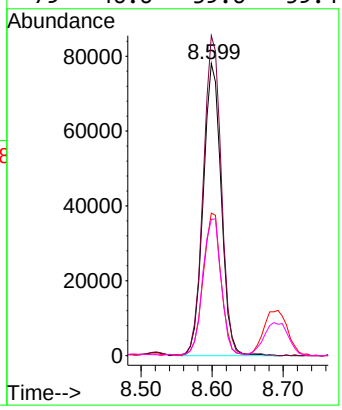




#17
2-Methylphenol
Concen: 48.361 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:107 Resp: 13665

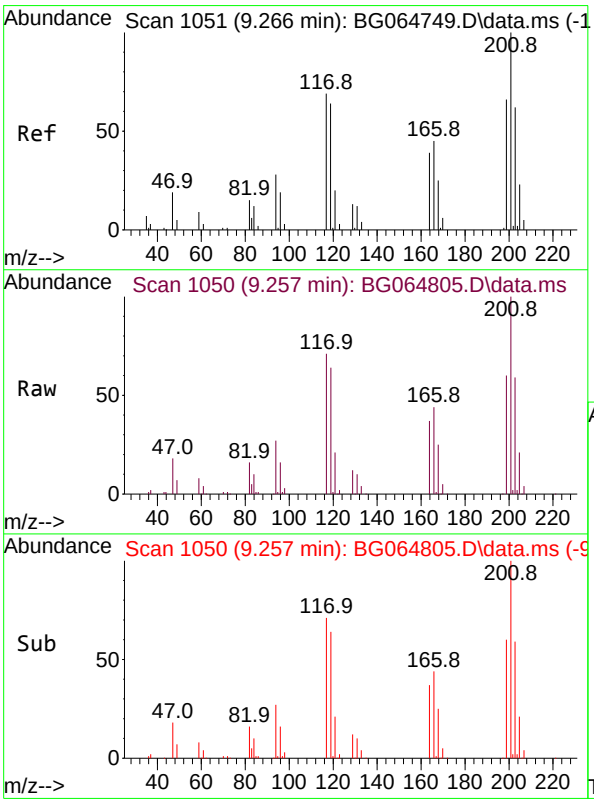
Ion	Ratio	Lower	Upper
107	100		
108	109.6	92.6	138.8
77	48.8	41.2	61.8
79	46.6	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

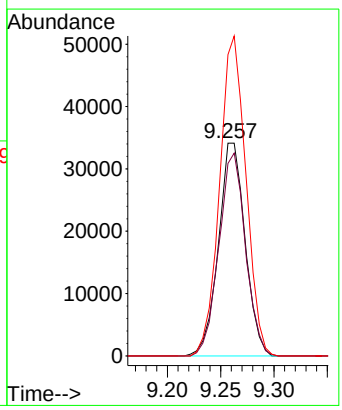
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

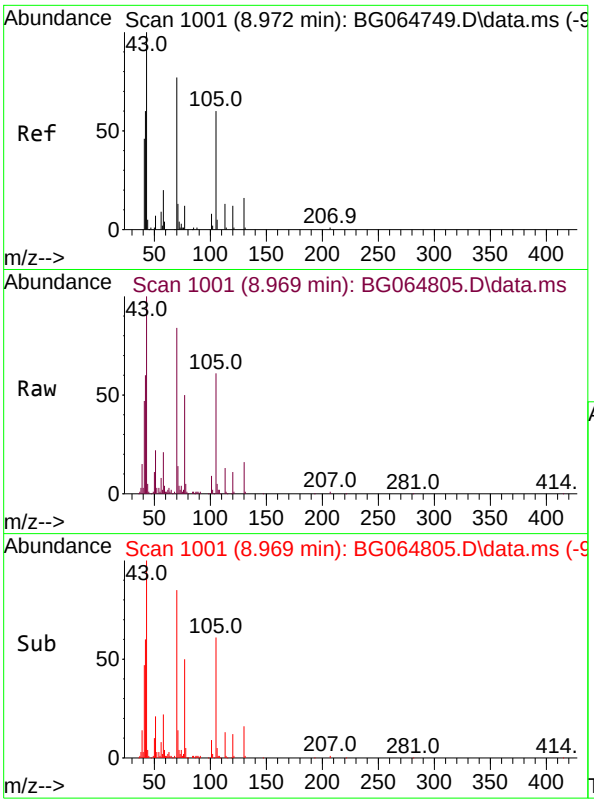


#18
Hexachloroethane
Concen: 44.238 ng
RT: 9.257 min Scan# 1050
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:117 Resp: 59487

Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.4	111.6
201	144.5	116.5	174.7

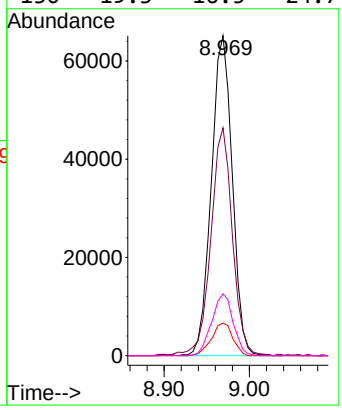




#19
n-Nitroso-di-n-propylamine
Concen: 44.716 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 70 Resp: 11097

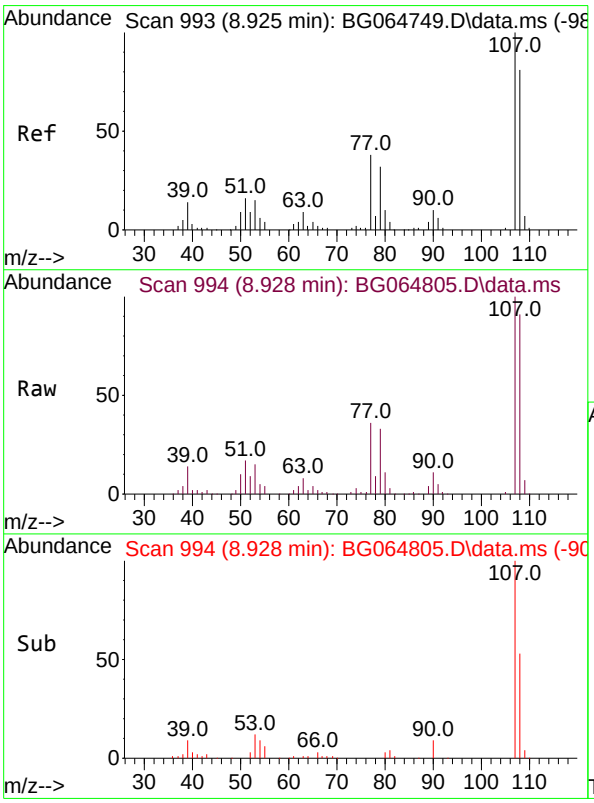
Ion	Ratio	Lower	Upper
70	100		
42	71.2	62.6	93.8
101	10.2	8.0	12.0
130	19.3	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

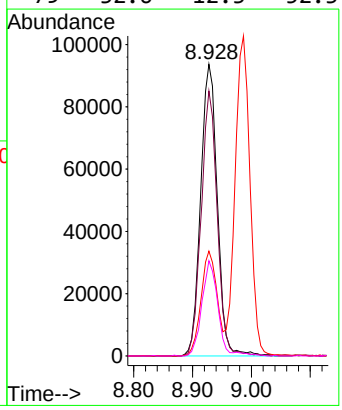
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

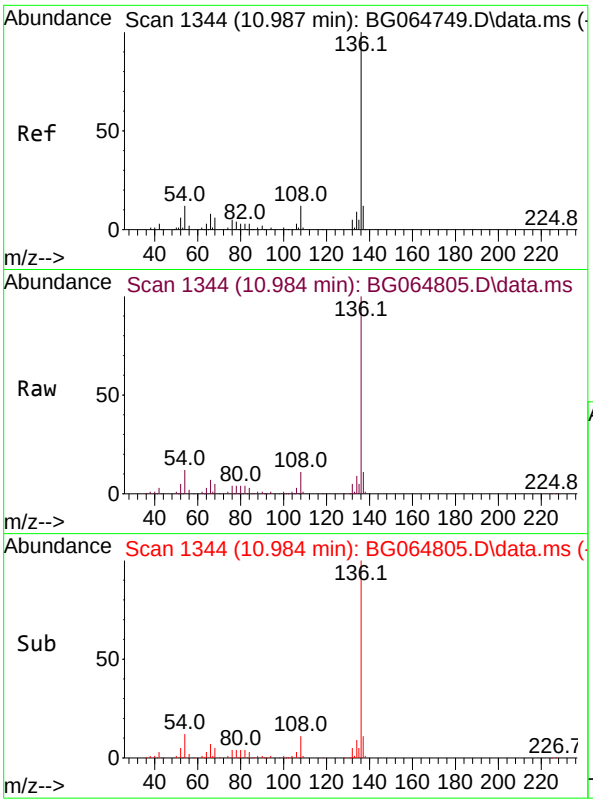


#20
3+4-Methylphenols
Concen: 47.583 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:107 Resp: 184193

Ion	Ratio	Lower	Upper
107	100		
108	90.8	61.0	101.0
77	35.9	17.6	57.6
79	32.6	12.3	52.3

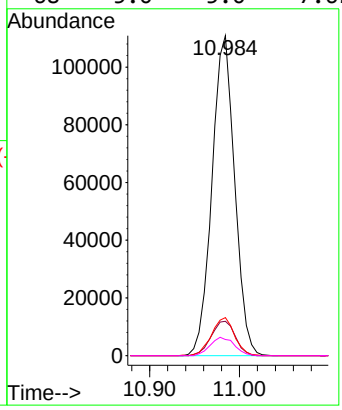




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:136 Resp: 19525

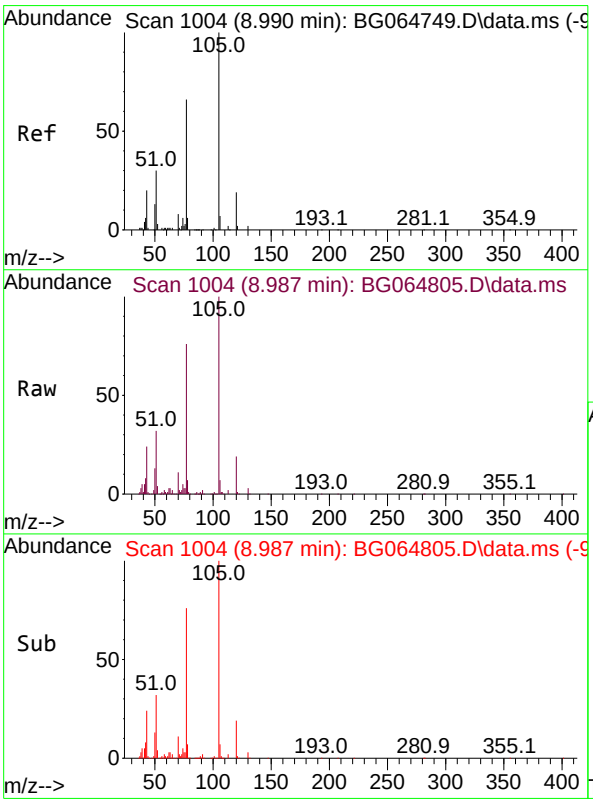
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	11.9	9.3	13.9
68	5.0	5.0	7.6#



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

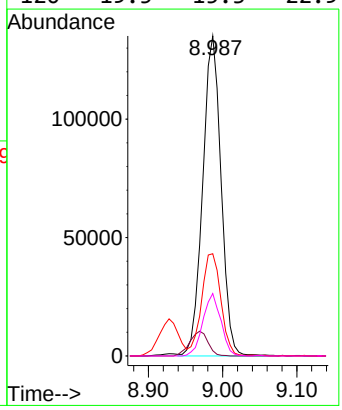
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

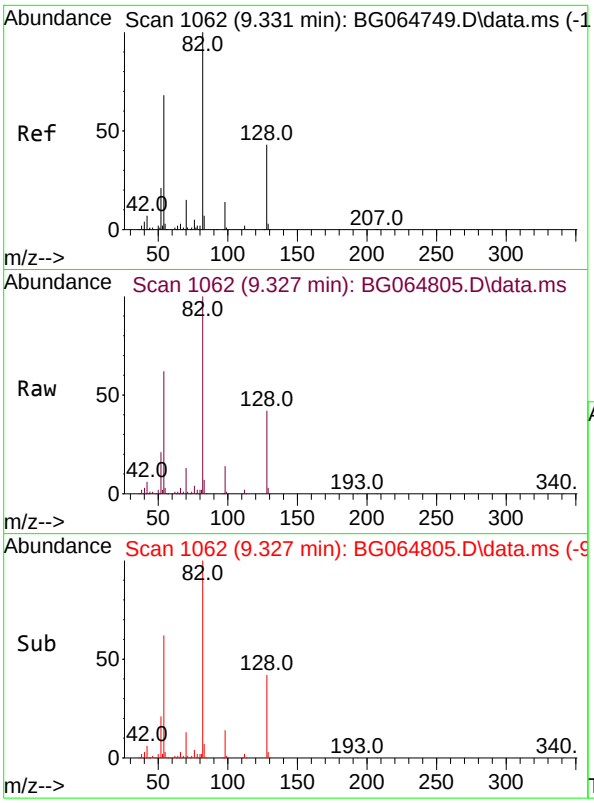


#22
Acetophenone
Concen: 43.754 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:105 Resp: 232753

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.3	1.9
51	31.9	27.9	41.9
120	19.5	15.3	22.9





#23
Nitrobenzene-d5
Concen: 62.335 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

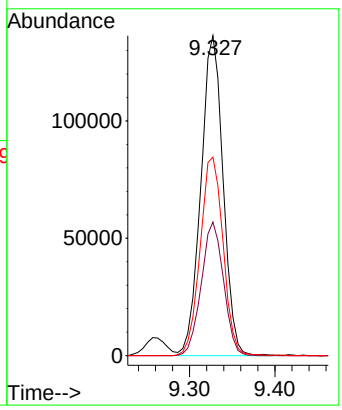
Tgt Ion: 82 Resp: 24616

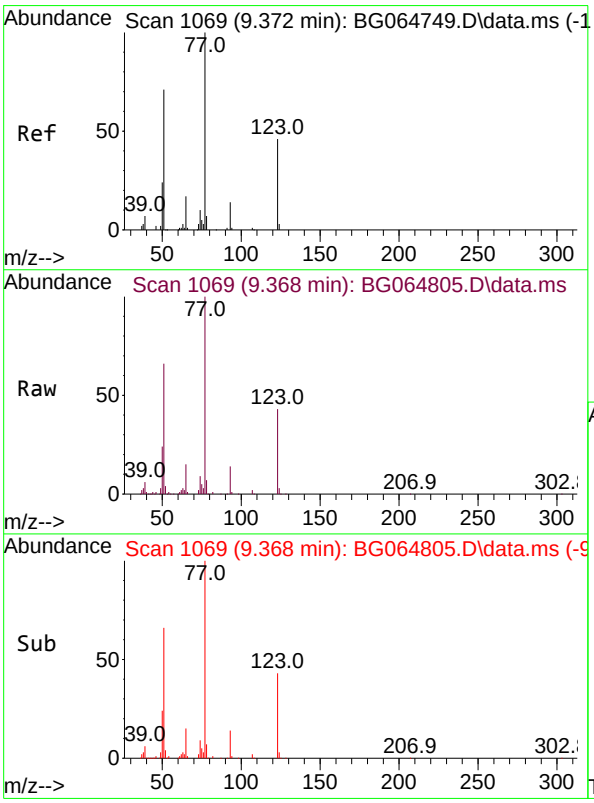
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.1	51.1
54	62.0	54.3	81.5

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

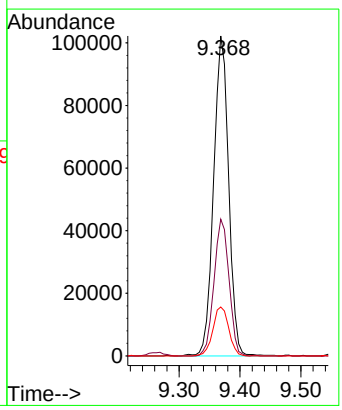


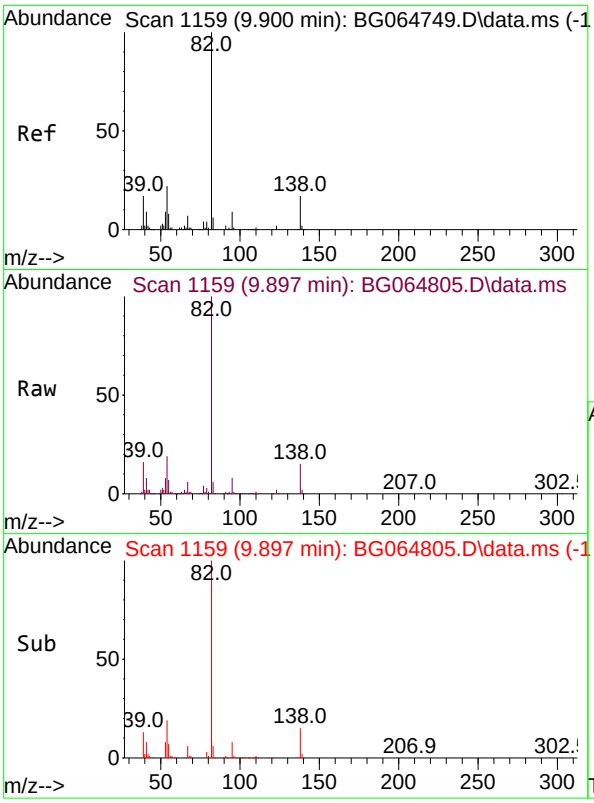


#24
Nitrobenzene
Concen: 43.880 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 77 Resp: 175089

Ion	Ratio	Lower	Upper
77	100		
123	42.7	36.5	54.7
65	15.3	13.5	20.3

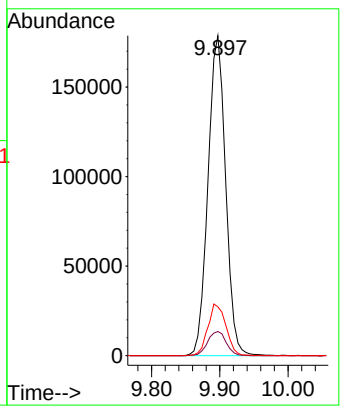




#25
Isophorone
Concen: 42.480 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 82 Resp: 31946

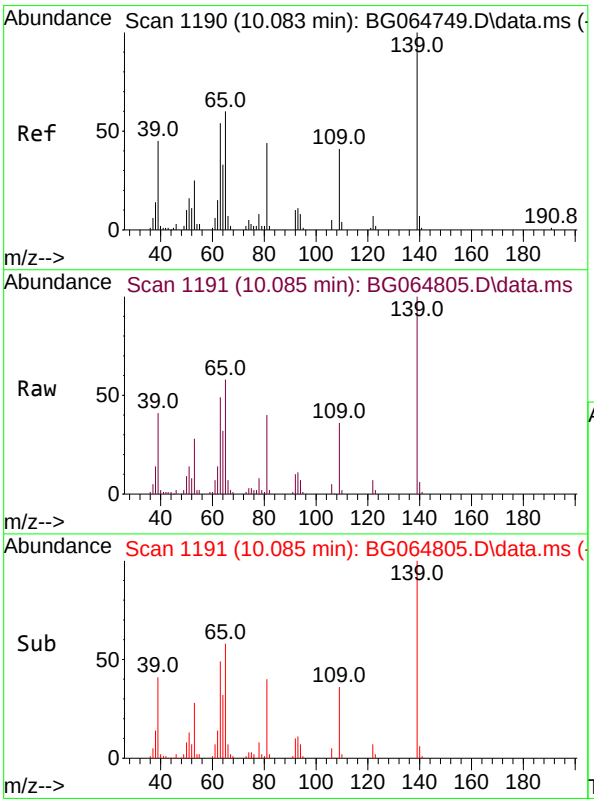
Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.9	10.3
138	15.2	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

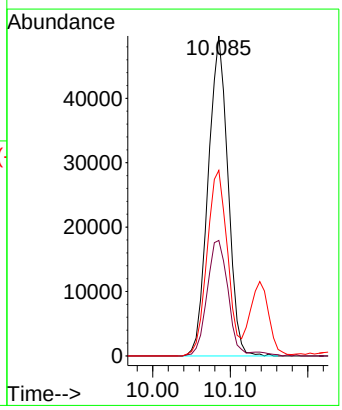
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

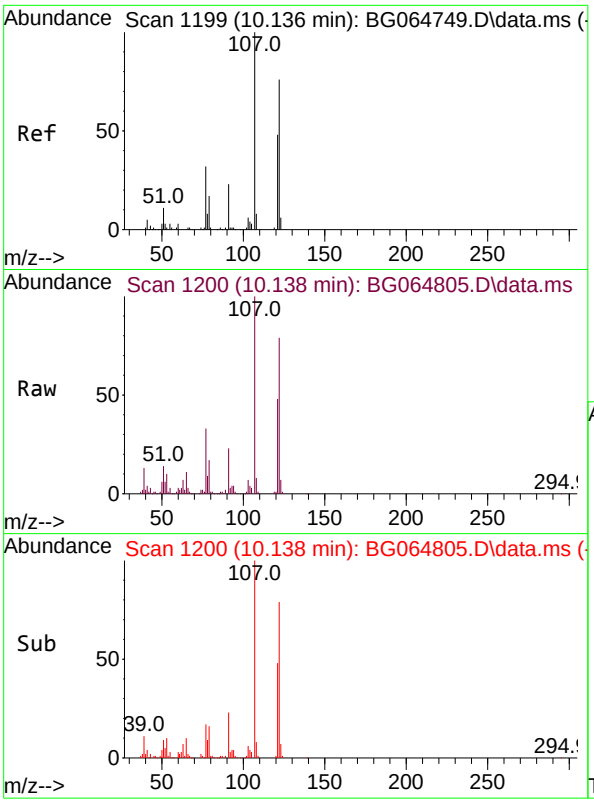


#26
2-Nitrophenol
Concen: 48.965 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:139 Resp: 87880

Ion	Ratio	Lower	Upper
139	100		
109	36.1	32.5	48.7
65	58.0	47.6	71.4

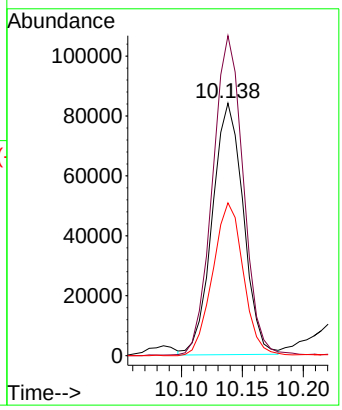




#27
2,4-Dimethylphenol
Concen: 46.697 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:122 Resp: 14889

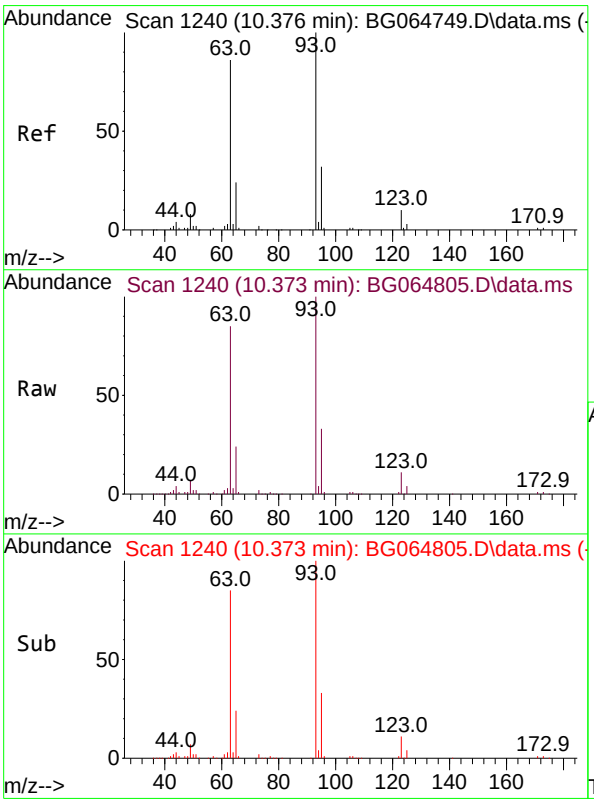
Ion	Ratio	Lower	Upper
122	100		
107	126.8	102.5	153.7
121	60.5	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

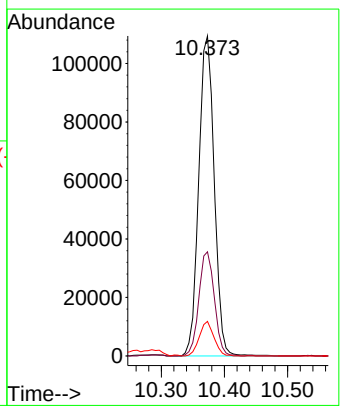
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

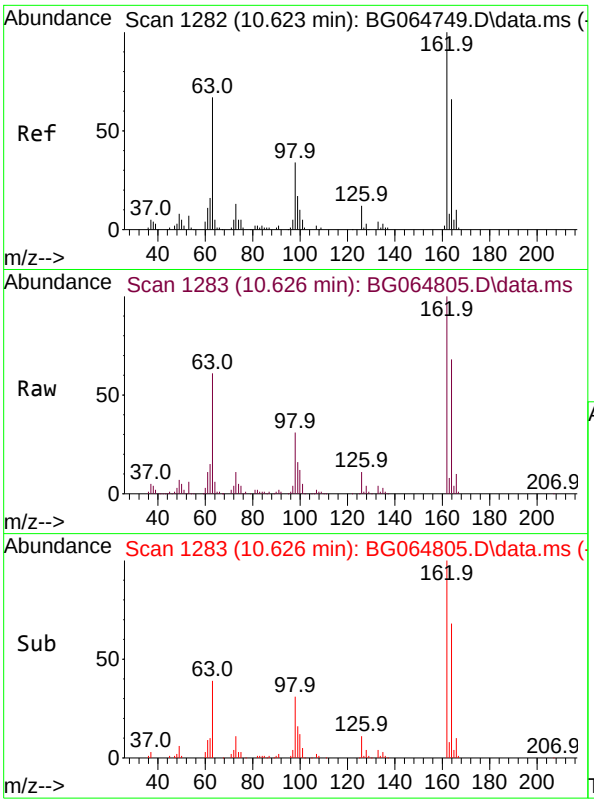


#28
bis(2-Chloroethoxy)methane
Concen: 45.138 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 93 Resp: 186357

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	10.8	8.1	12.1

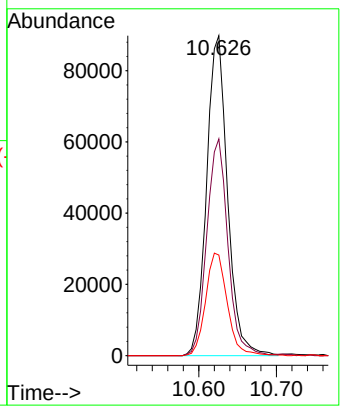




#29
2,4-Dichlorophenol
Concen: 49.293 ng
RT: 10.626 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:162 Resp: 16874

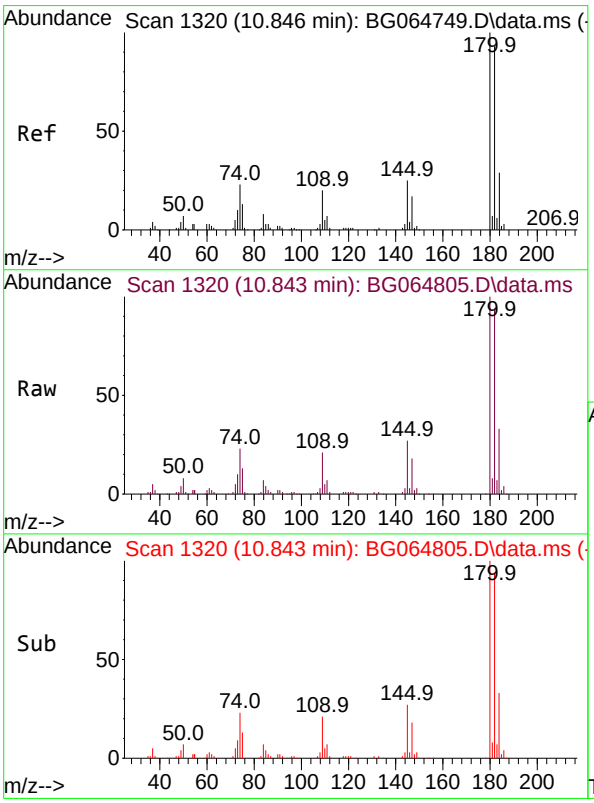
Ion	Ratio	Lower	Upper
162	100		
164	67.7	46.0	86.0
98	31.4	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

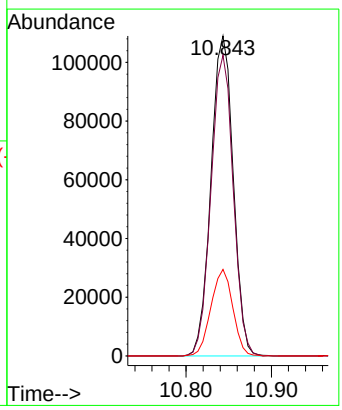
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

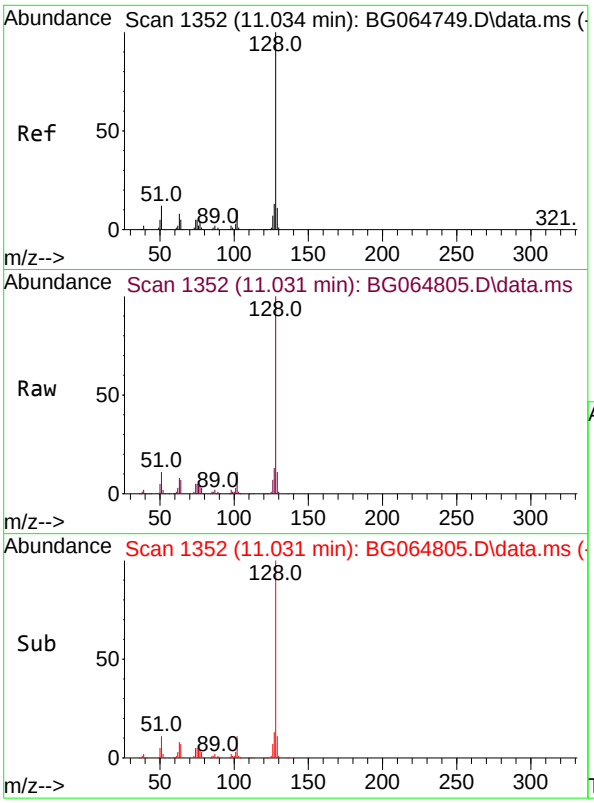


#30
1,2,4-Trichlorobenzene
Concen: 47.783 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:180 Resp: 197518

Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.2	111.4
145	27.0	20.0	30.0

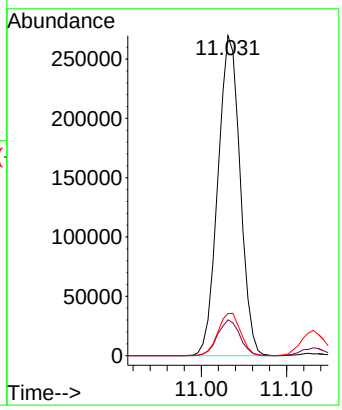




#31
Naphthalene
Concen: 44.050 ng
RT: 11.031 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:128 Resp: 48755

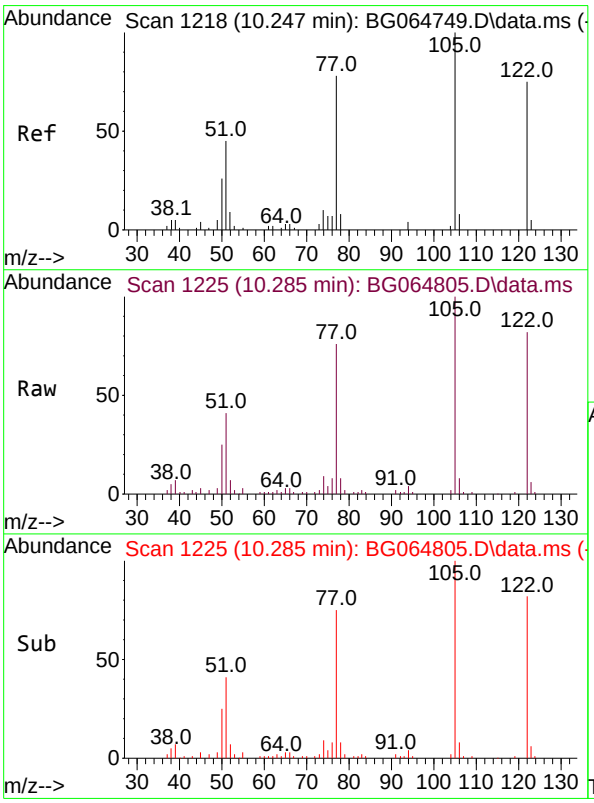
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.1	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

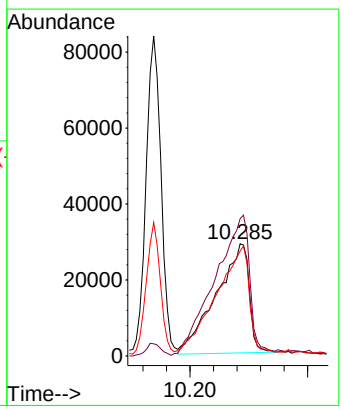
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

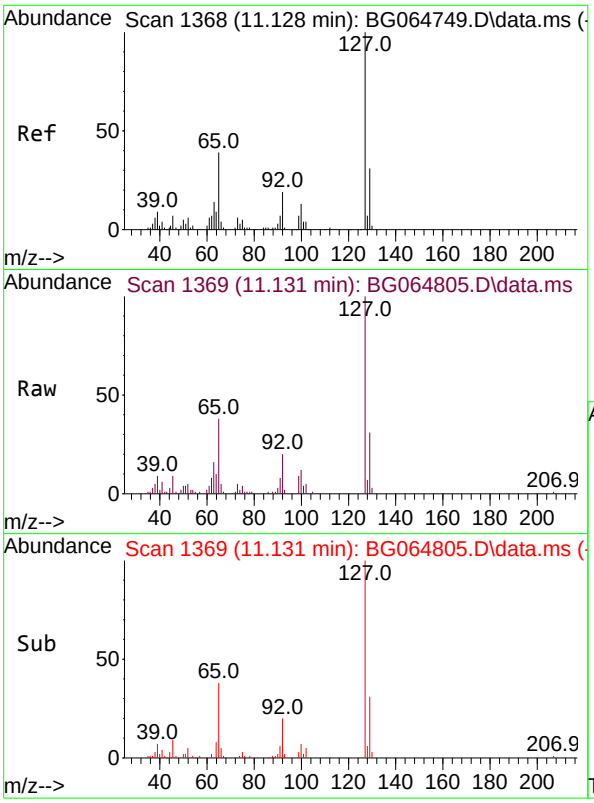


#32
Benzoic acid
Concen: 49.693 ng
RT: 10.285 min Scan# 1225
Delta R.T. 0.038 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:122 Resp: 112360

Ion	Ratio	Lower	Upper
122	100		
105	122.5	107.6	147.6
77	93.4	82.5	122.5

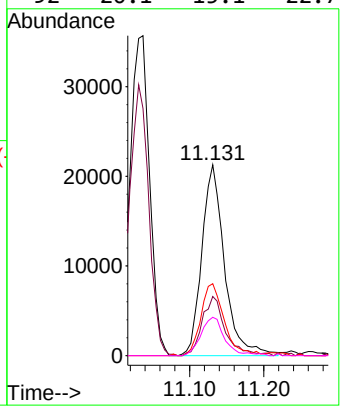




#33
4-Chloroaniline
Concen: 10.206 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:127 Resp: 4518

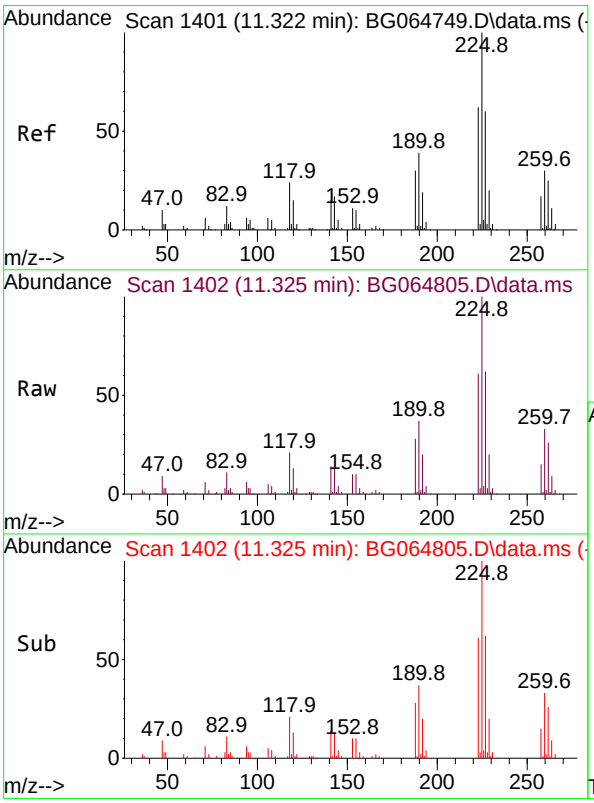
Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.9	37.3
65	37.7	30.9	46.3
92	20.1	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

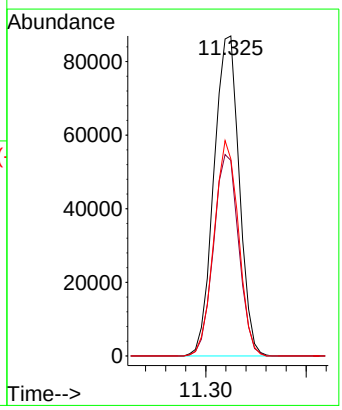
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

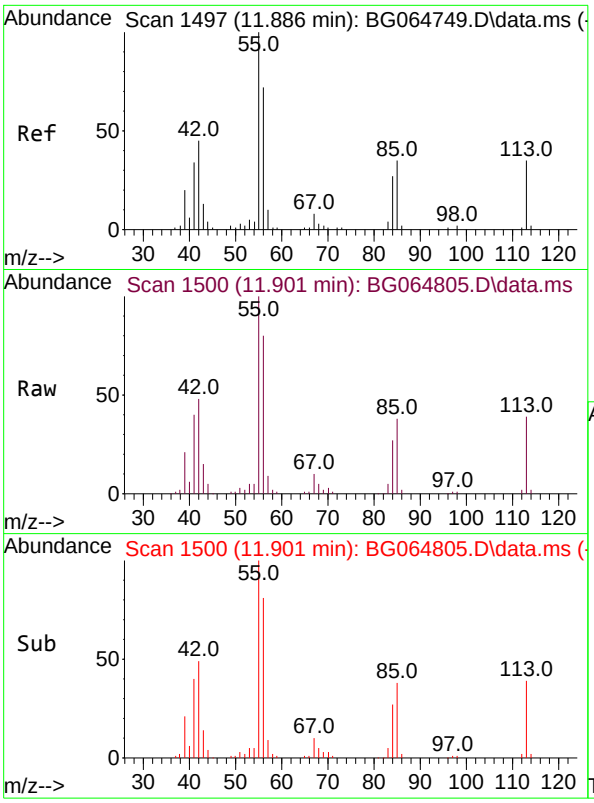


#34
Hexachlorobutadiene
Concen: 43.025 ng
RT: 11.325 min Scan# 1402
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:225 Resp: 152598

Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.9	74.9
227	61.5	50.6	75.8

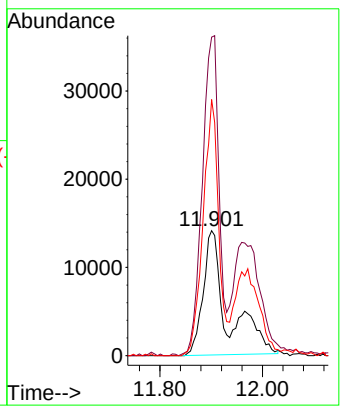




#35
Caprolactam
Concen: 45.085 ng m
RT: 11.901 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:113 Resp: 4616

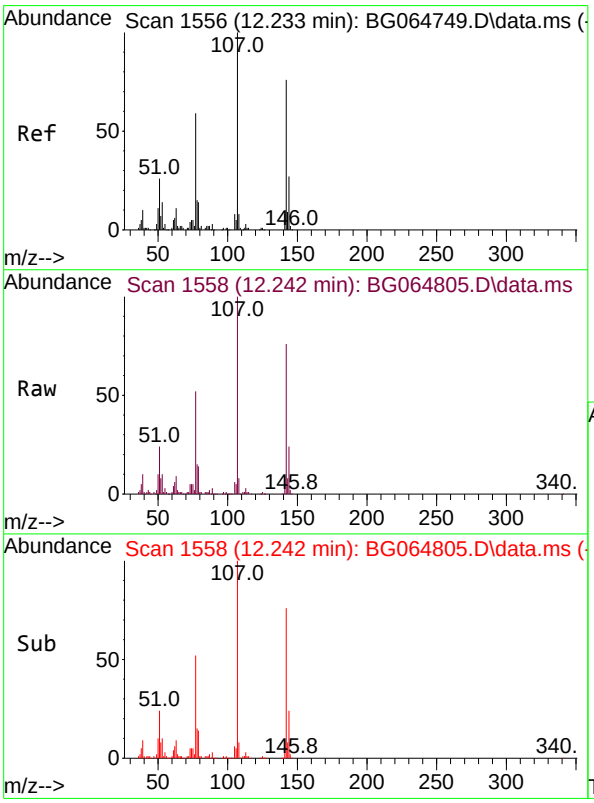
Ion	Ratio	Lower	Upper
113	100		
55	255.1	263.7	303.7#
56	205.1	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

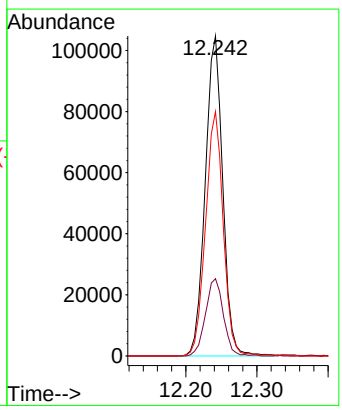
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

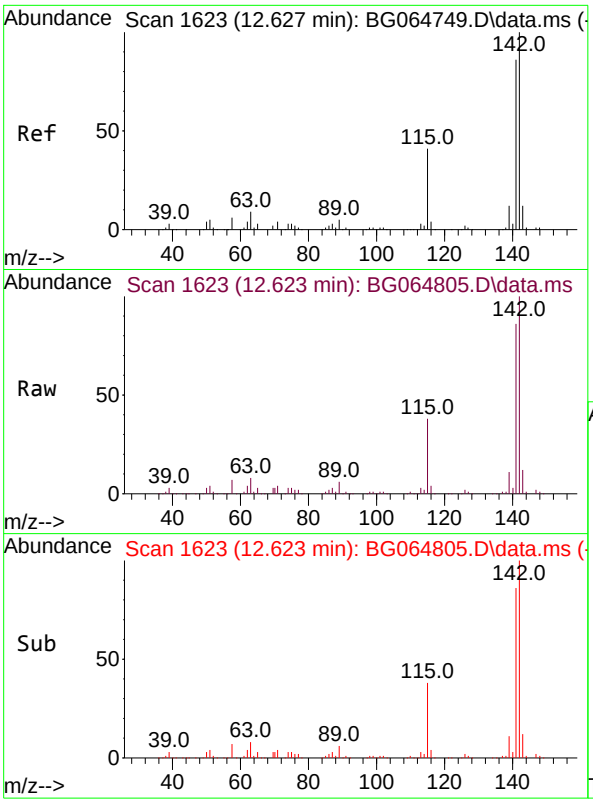


#36
4-Chloro-3-methylphenol
Concen: 46.967 ng
RT: 12.242 min Scan# 1558
Delta R.T. 0.008 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:107 Resp: 178954

Ion	Ratio	Lower	Upper
107	100		
144	24.1	21.7	32.5
142	76.3	60.8	91.2

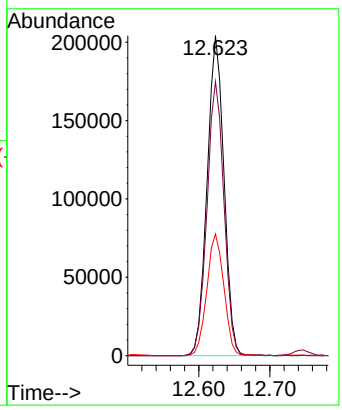




#37
2-Methylnaphthalene
Concen: 40.640 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:142 Resp: 33661

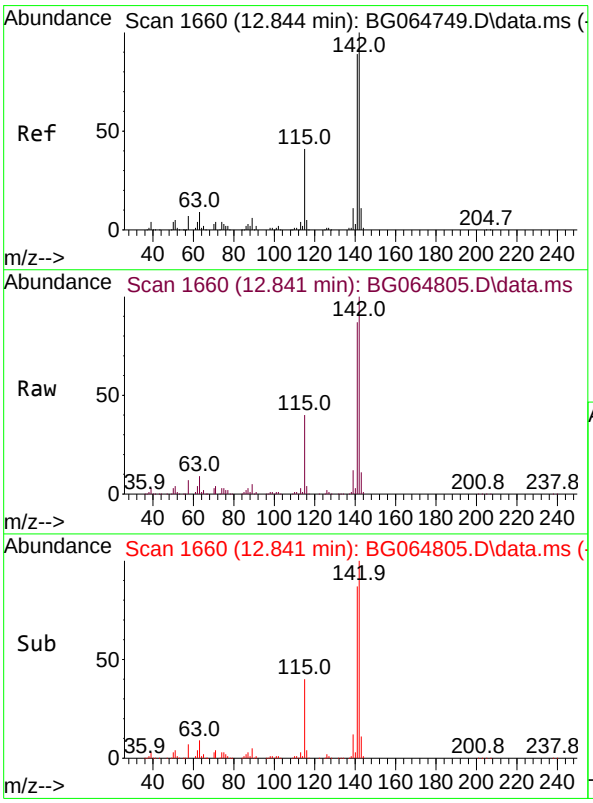
Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.1	103.7
115	38.0	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

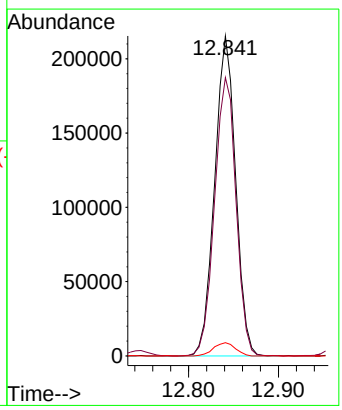
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

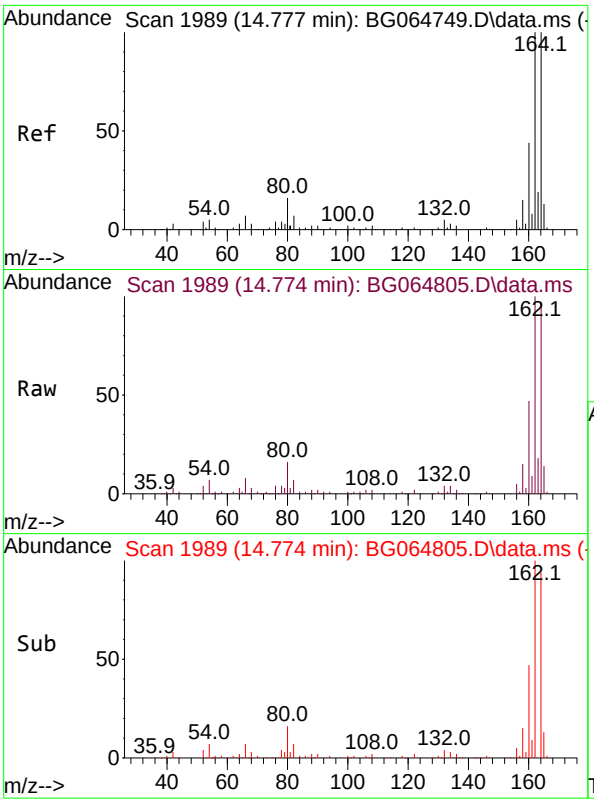


#38
1-Methylnaphthalene
Concen: 42.510 ng
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:142 Resp: 349765

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
116	4.1	3.7	5.5

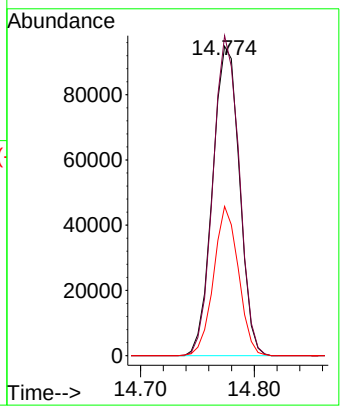




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:164 Resp: 15587

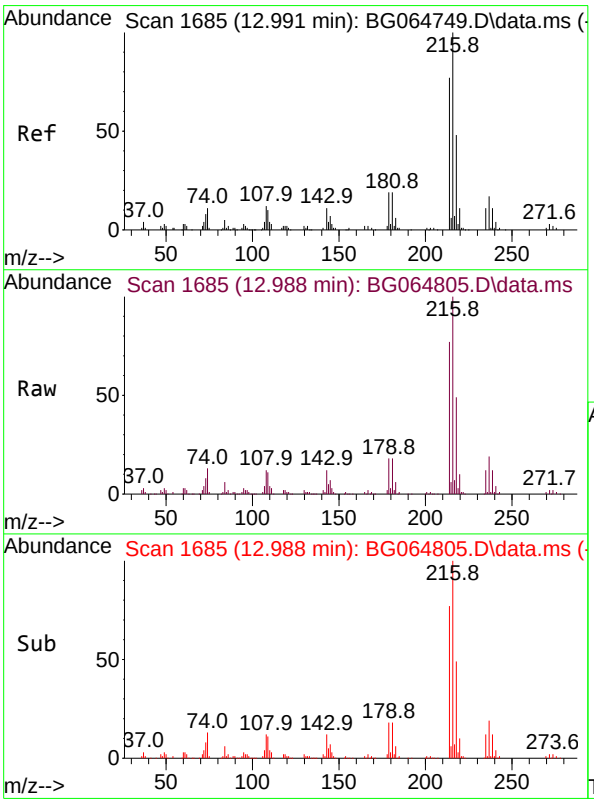
Ion	Ratio	Lower	Upper
164	100		
162	103.4	79.8	119.6
160	48.2	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

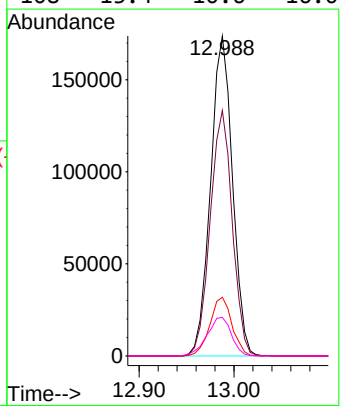
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

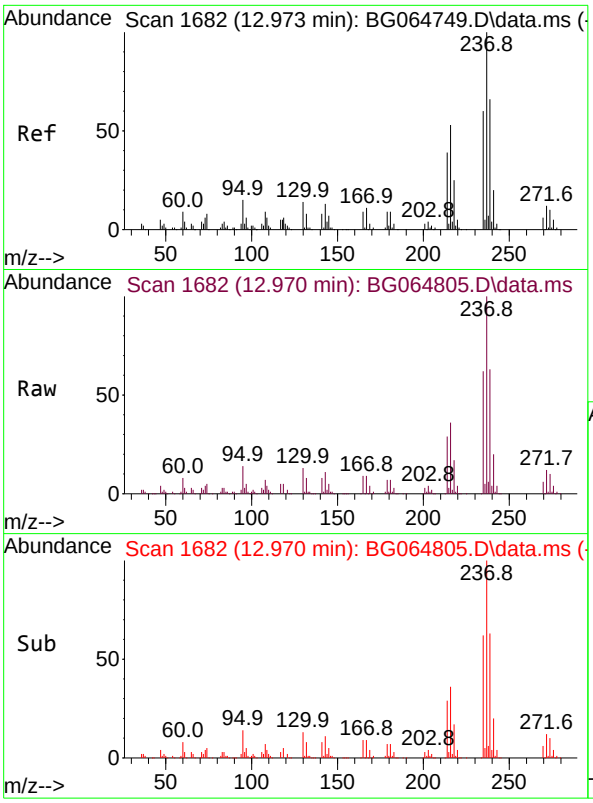


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.979 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:216 Resp: 278911

Ion	Ratio	Lower	Upper
216	100		
214	77.0	60.5	90.7
179	18.4	14.7	22.1
108	13.4	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 51.450 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

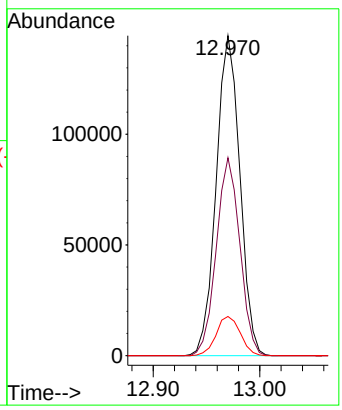
Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

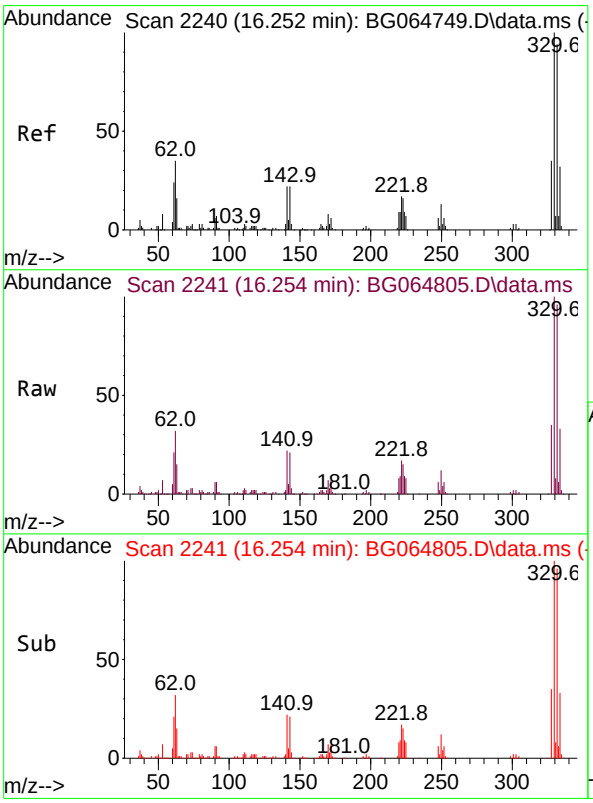
Tgt Ion:237 Resp: 223701

Ion	Ratio	Lower	Upper
237	100		
235	61.8	40.2	80.2
272	12.2	0.0	31.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

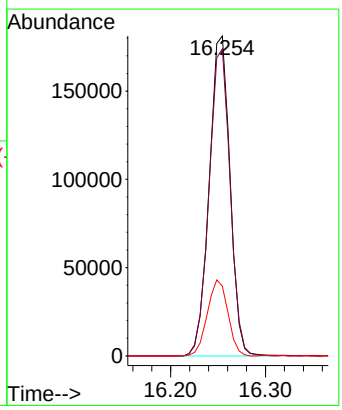


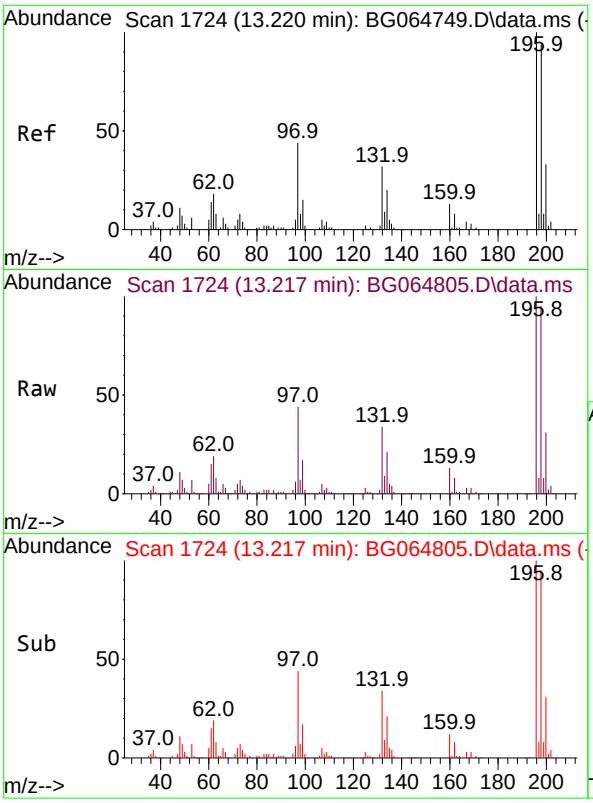


#42
2,4,6-Tribromophenol
Concen: 90.768 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:330 Resp: 275931

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	23.5	18.2	27.2

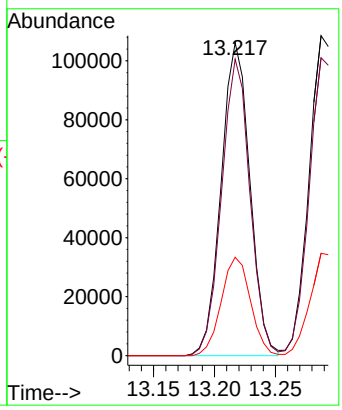




#43
2,4,6-Trichlorophenol
Concen: 48.965 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:196 Resp: 17432

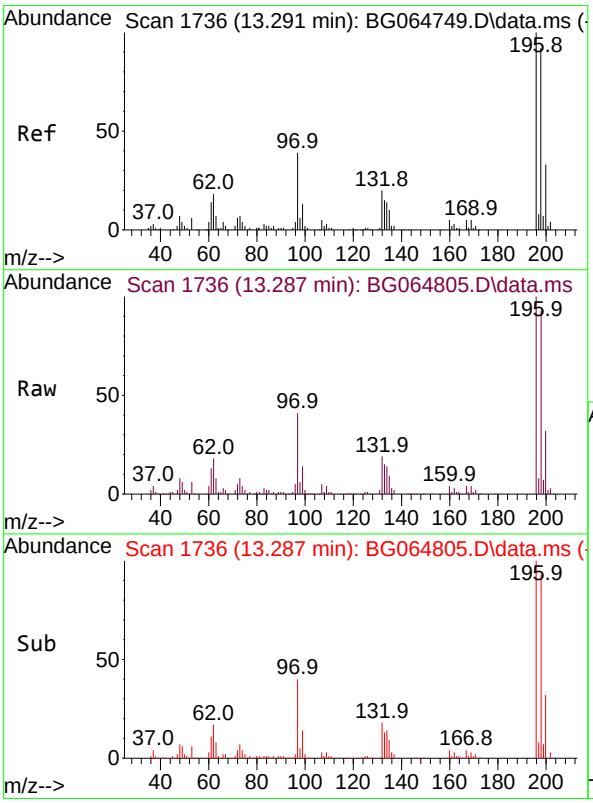
Ion	Ratio	Lower	Upper
196	100		
198	94.8	75.3	112.9
200	31.4	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

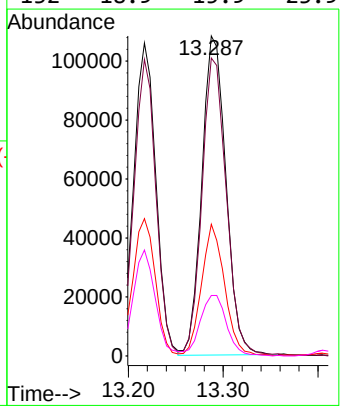
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

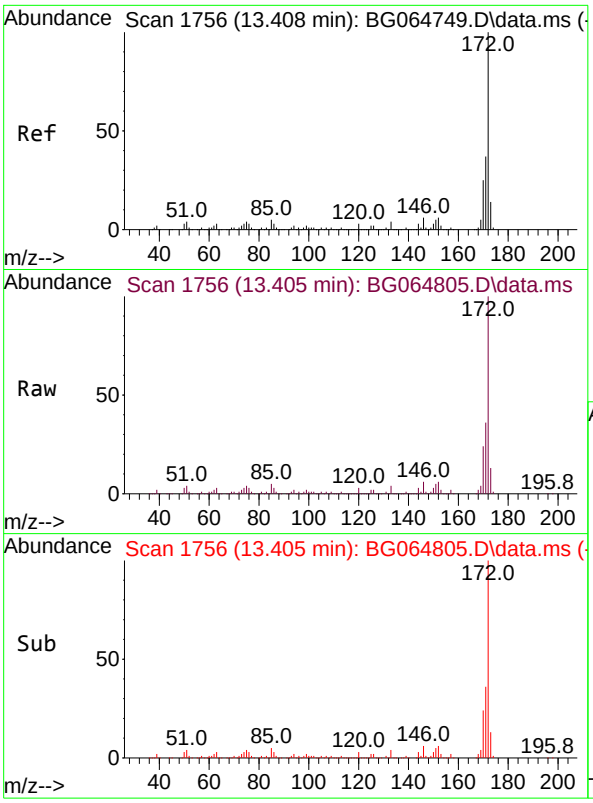


#44
2,4,5-Trichlorophenol
Concen: 47.907 ng
RT: 13.287 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:196 Resp: 191296

Ion	Ratio	Lower	Upper
196	100		
198	93.1	73.2	109.8
97	41.1	31.4	47.0
132	18.9	15.9	23.9

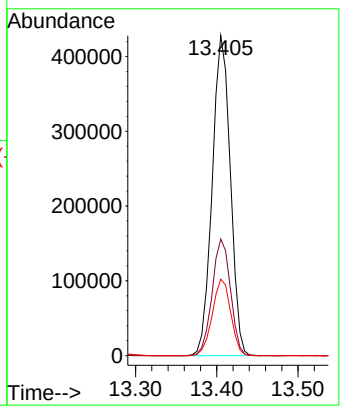




#45
2-Fluorobiphenyl
Concen: 59.279 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:172 Resp: 66219

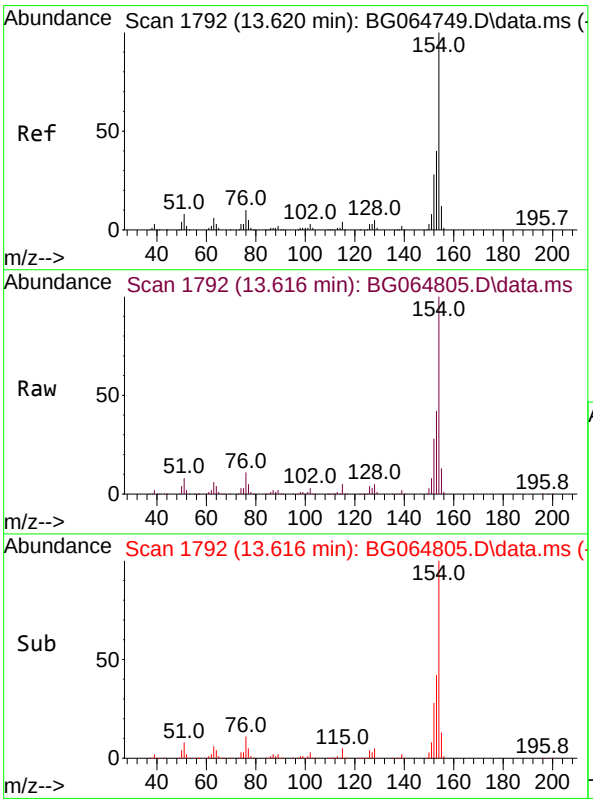
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.9	44.9
170	23.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

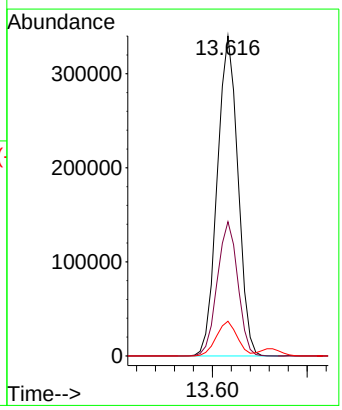
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

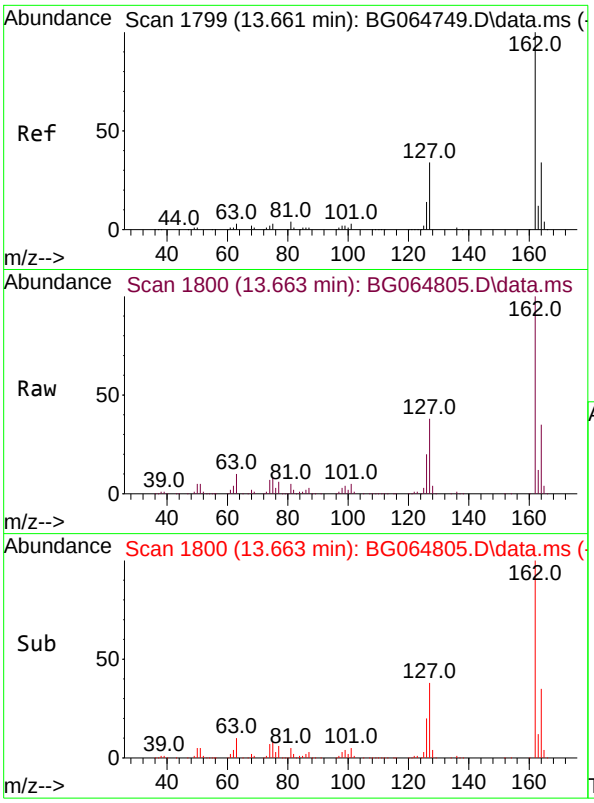


#46
1,1'-Biphenyl
Concen: 46.006 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:154 Resp: 515038

Ion	Ratio	Lower	Upper
154	100		
153	41.9	19.8	59.8
76	10.8	0.0	30.0

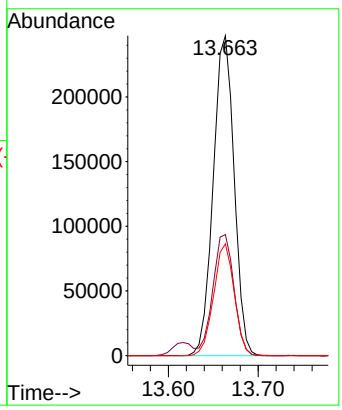




#47
2-Chloronaphthalene
Concen: 45.521 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:162 Resp: 401490

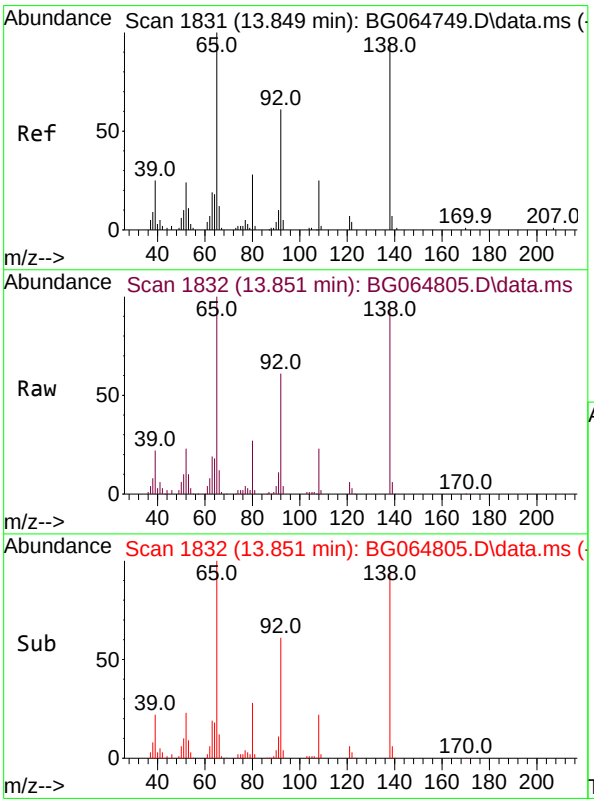
Ion	Ratio	Lower	Upper
162	100		
127	37.8	30.3	45.5
164	34.9	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

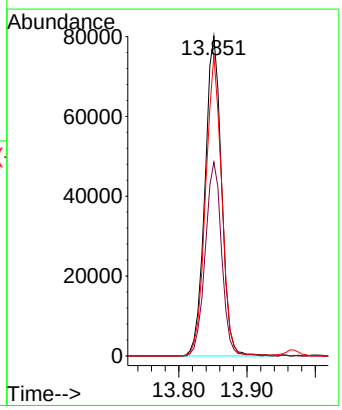
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

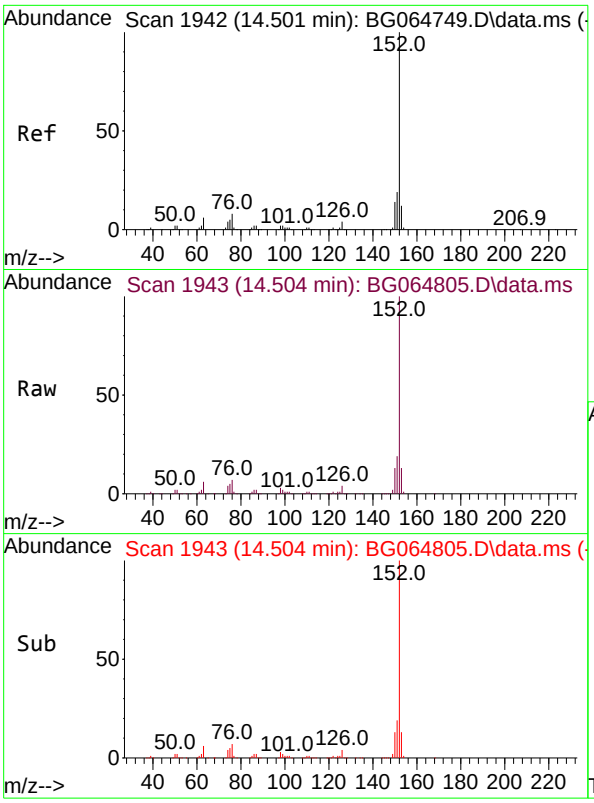


#48
2-Nitroaniline
Concen: 47.464 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 65 Resp: 134647

Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.6	73.0
138	93.9	76.4	114.6

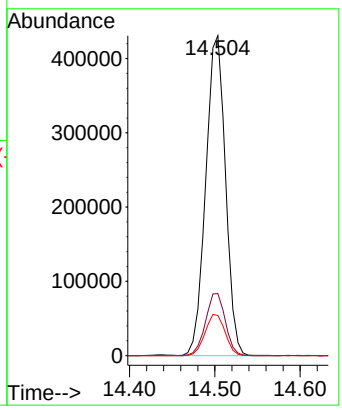




#49
Acenaphthylene
Concen: 45.912 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:152 Resp: 69180

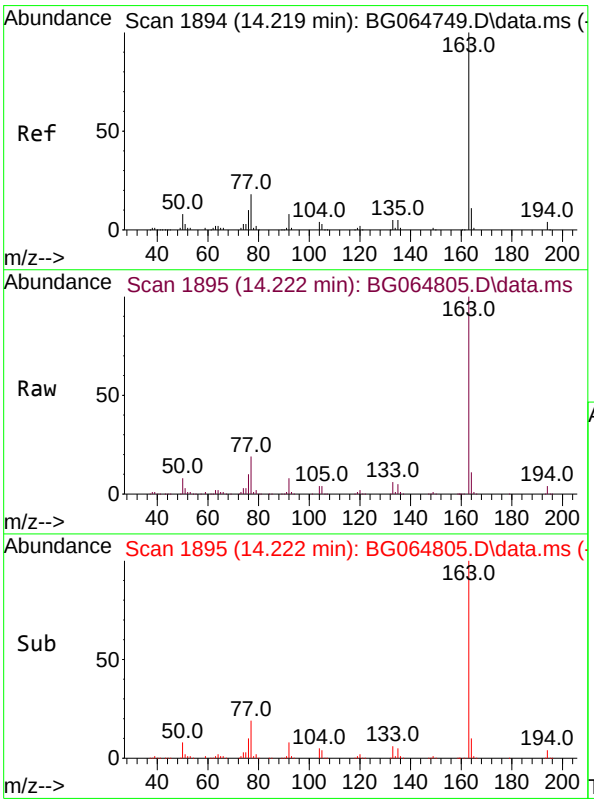
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.4
153	12.5	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

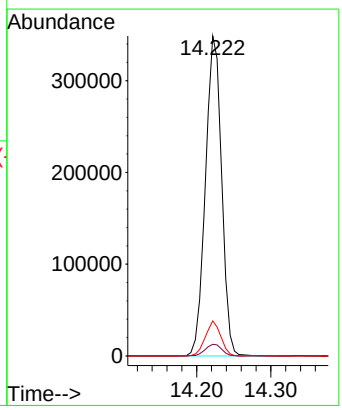
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

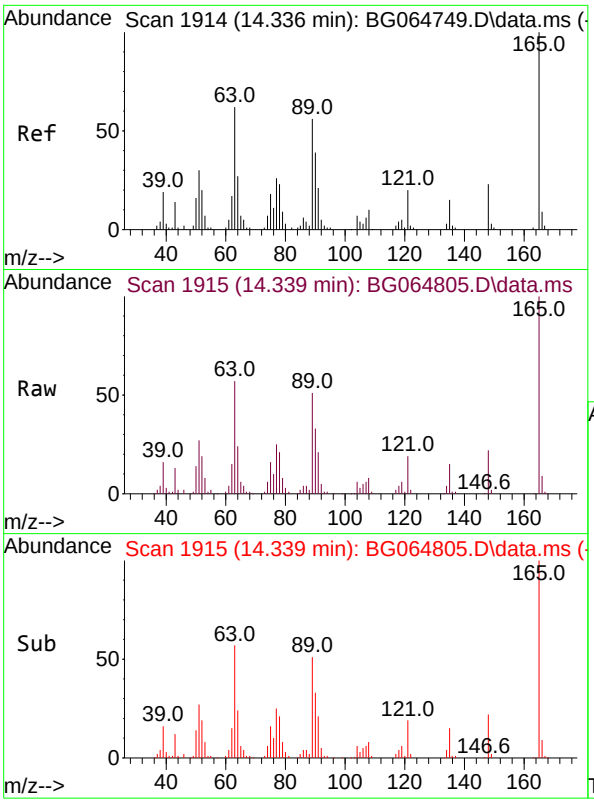


#50
Dimethylphthalate
Concen: 42.838 ng
RT: 14.222 min Scan# 1895
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:163 Resp: 527447

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.9	8.6	12.8

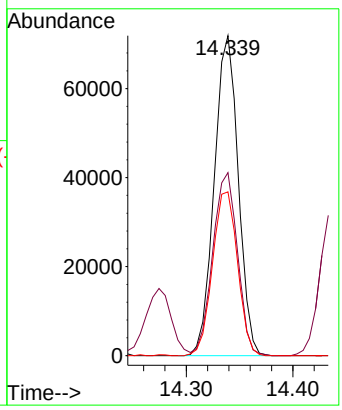




#51
2,6-Dinitrotoluene
Concen: 47.507 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:165 Resp: 11255

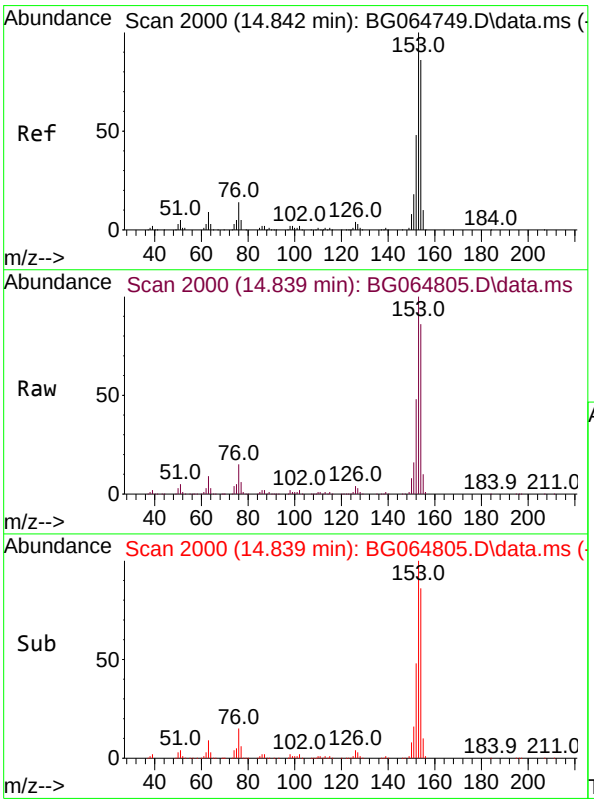
Ion	Ratio	Lower	Upper
165	100		
63	57.2	49.8	74.8
89	51.2	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

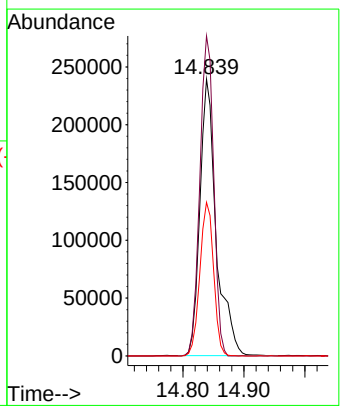
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

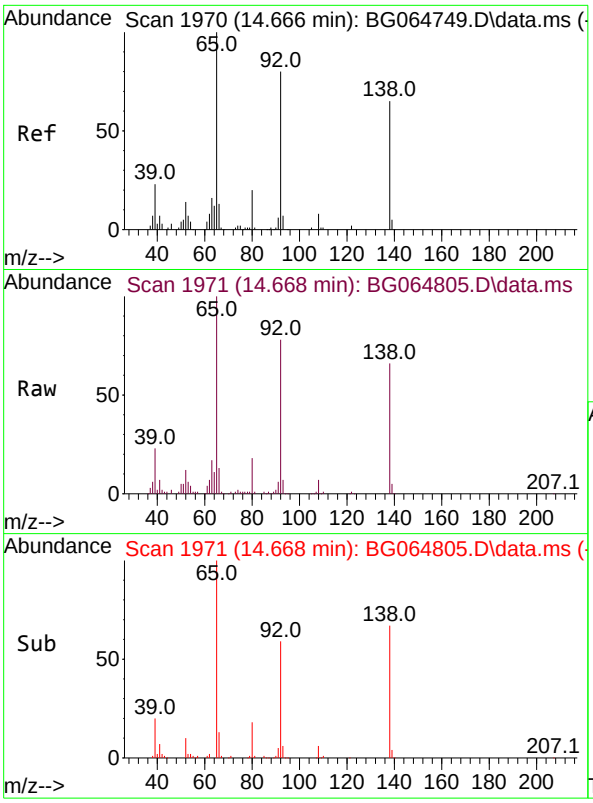


#52
Acenaphthene
Concen: 49.313 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:154 Resp: 445517

Ion	Ratio	Lower	Upper
154	100		
153	115.7	93.0	139.4
152	55.5	44.4	66.6

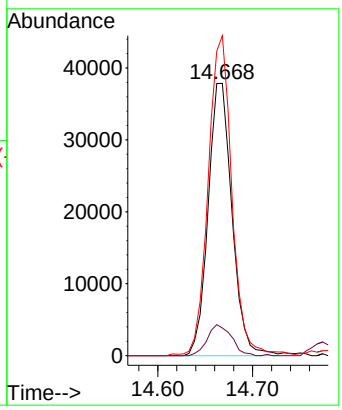




#53
3-Nitroaniline
Concen: 28.336 ng
RT: 14.668 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:138 Resp: 6626

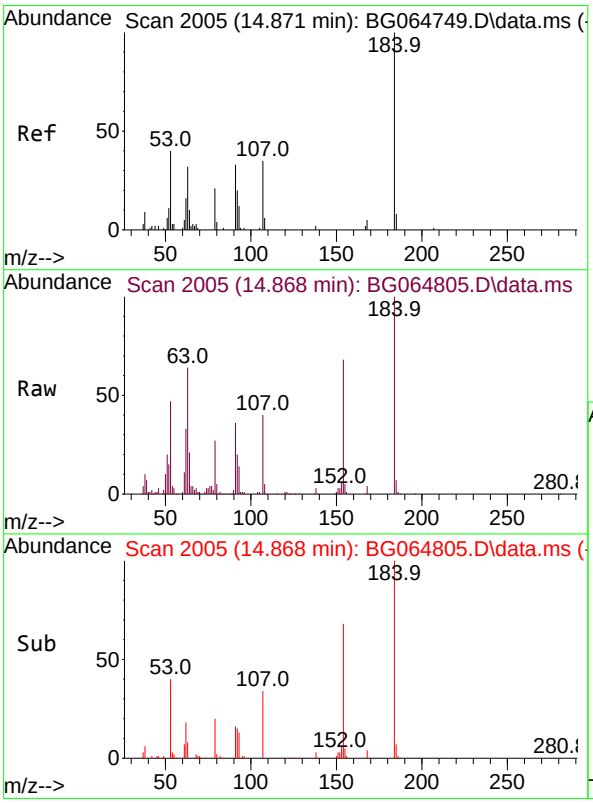
Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.5	14.3
92	117.6	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

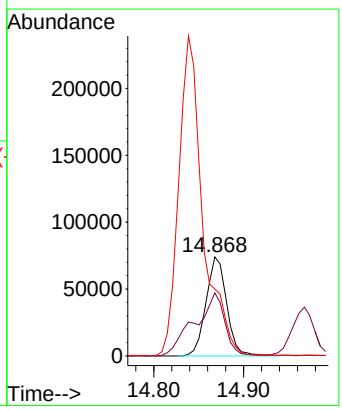
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

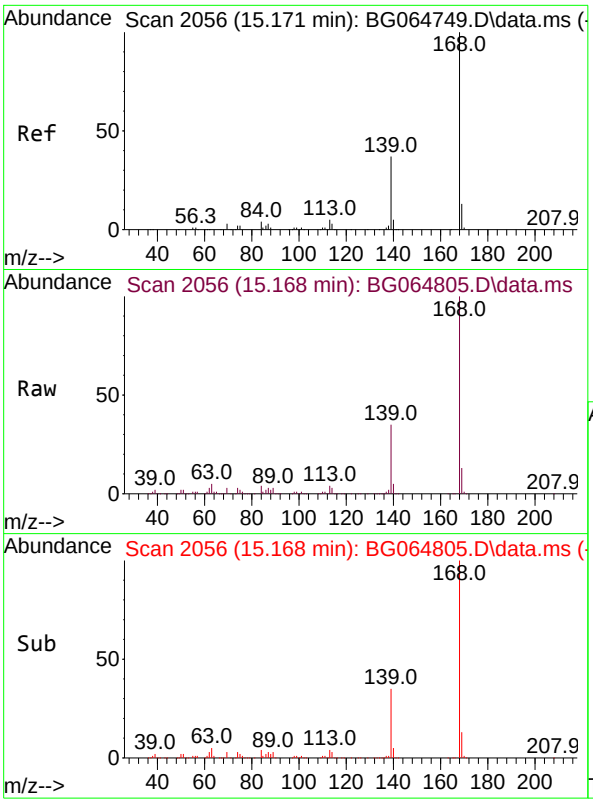


#54
2,4-Dinitrophenol
Concen: 73.554 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:184 Resp: 118117

Ion	Ratio	Lower	Upper
184	100		
63	63.7	45.8	68.6
154	67.6	52.6	78.8

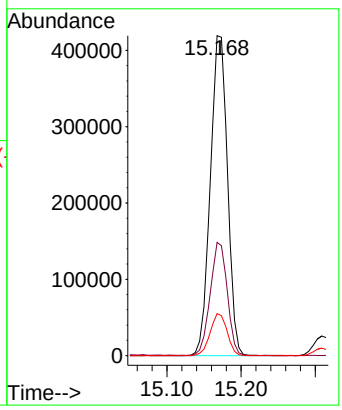




#55
Dibenzofuran
Concen: 45.064 ng
RT: 15.168 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:168 Resp: 673078

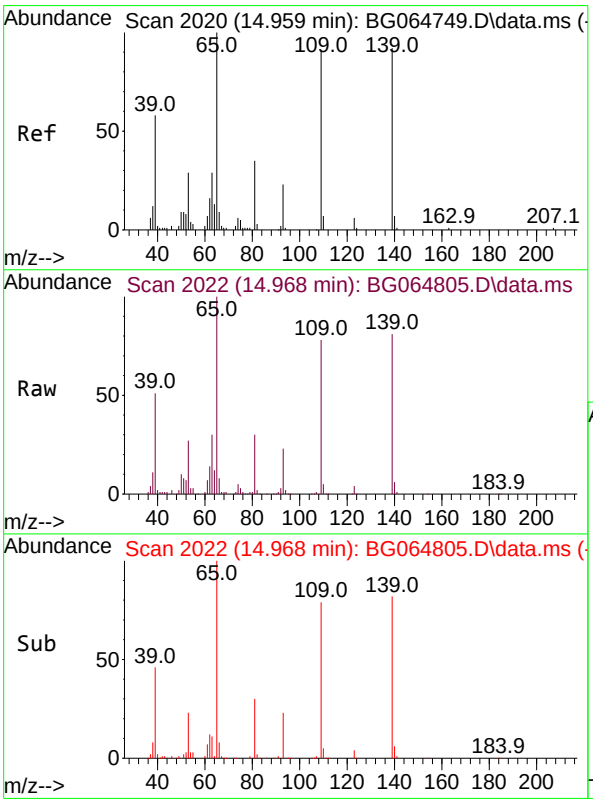
Ion	Ratio	Lower	Upper
168	100		
139	35.4	29.5	44.3
169	13.1	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

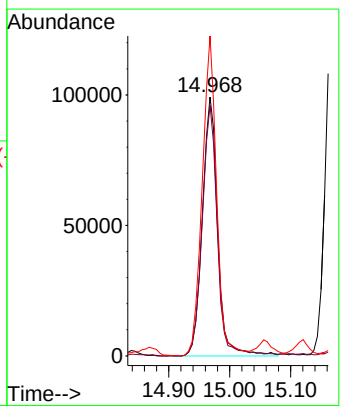
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

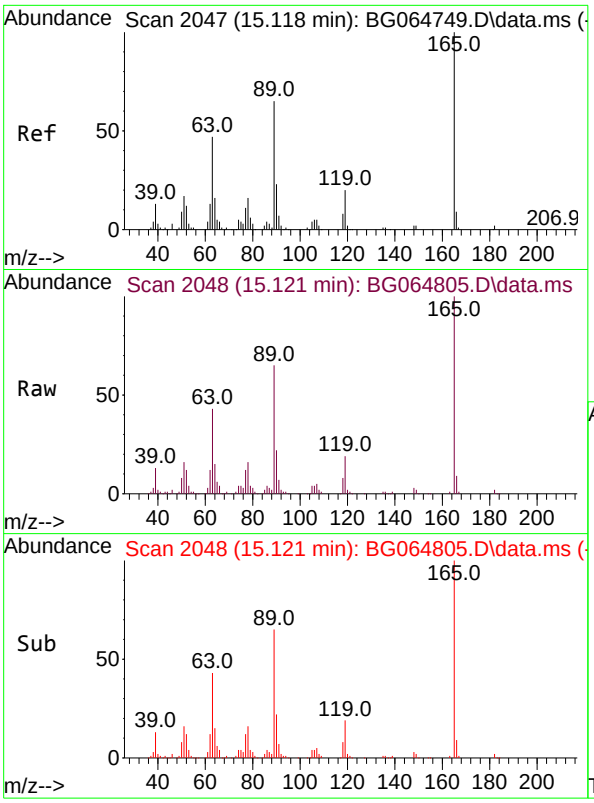


#56
4-Nitrophenol
Concen: 93.348 ng
RT: 14.968 min Scan# 2022
Delta R.T. 0.008 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:139 Resp: 173189

Ion	Ratio	Lower	Upper
139	100		
109	96.8	79.7	119.7
65	123.6	89.9	129.9

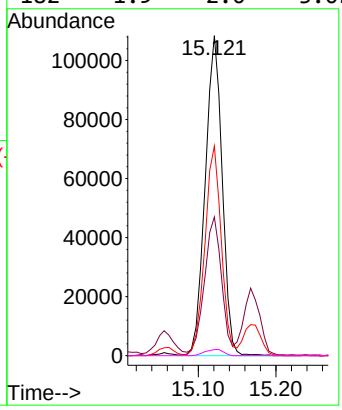




#57
2,4-Dinitrotoluene
Concen: 46.373 ng
RT: 15.121 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:165 Resp: 16471

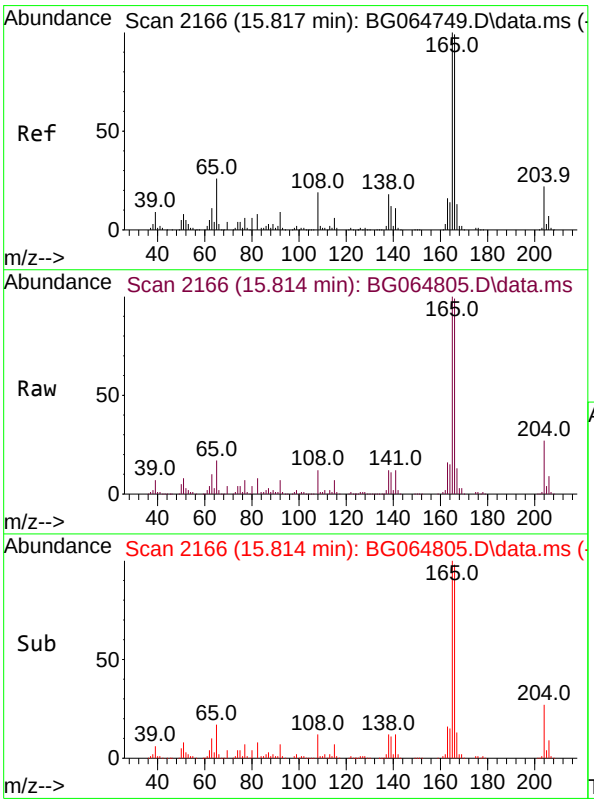
Ion	Ratio	Lower	Upper
165	100		
63	43.3	37.8	56.6
89	65.5	51.6	77.4
182	1.9	2.0	3.0#



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

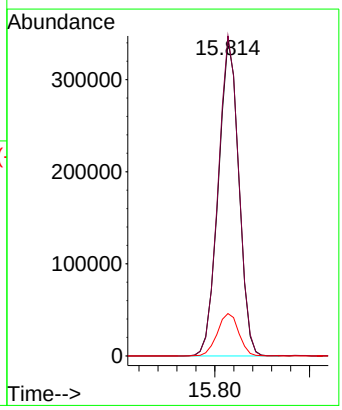
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

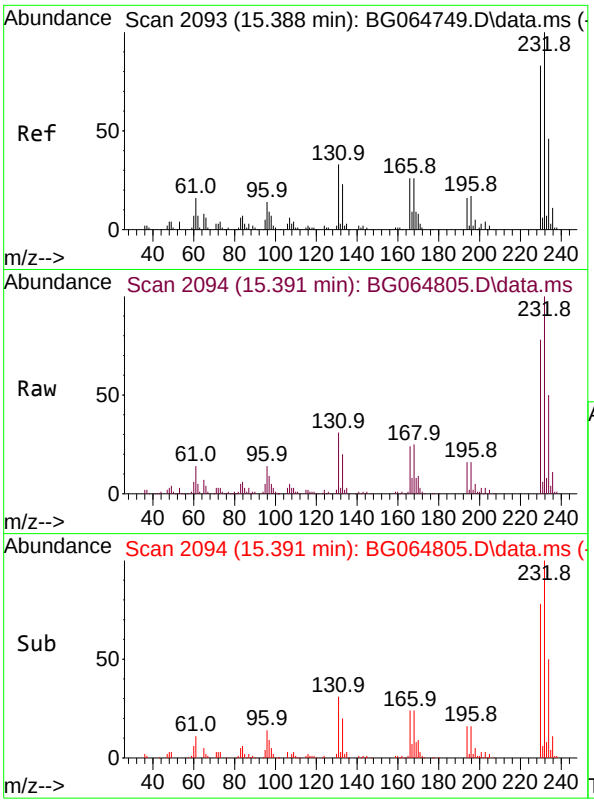


#58
Fluorene
Concen: 43.926 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:166 Resp: 514570

Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.5	120.7
167	13.4	10.3	15.5

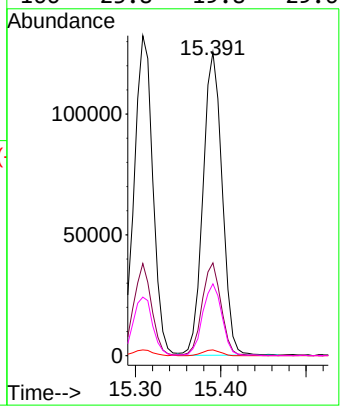




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.728 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:232 Resp: 19591

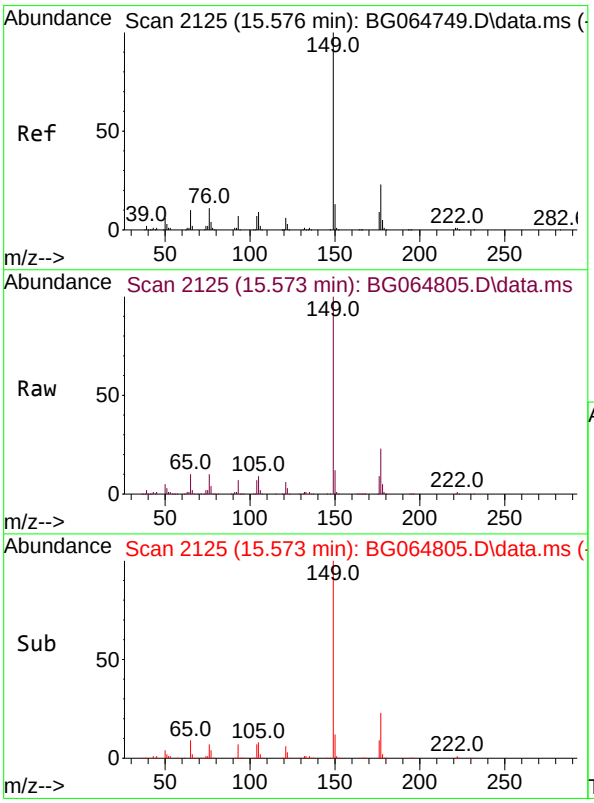
Ion	Ratio	Lower	Upper
232	100		
131	30.4	26.0	39.0
130	1.7	1.6	2.4
166	23.8	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

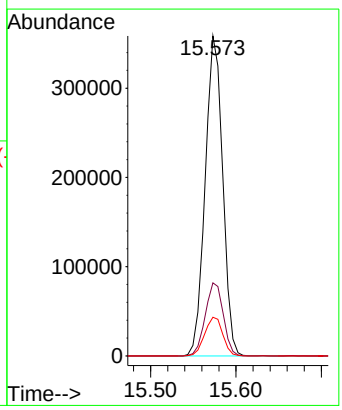
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

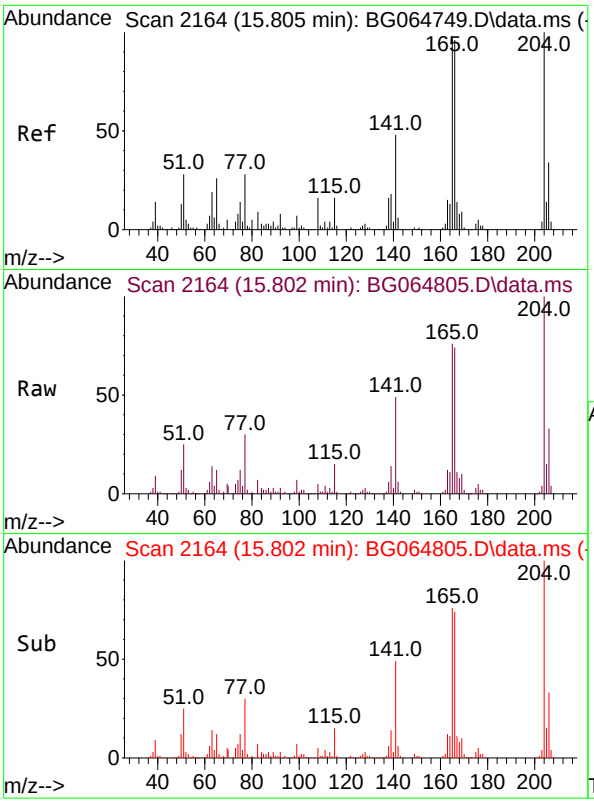


#60
Diethylphthalate
Concen: 43.332 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:149 Resp: 511099

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.1	10.1	15.1

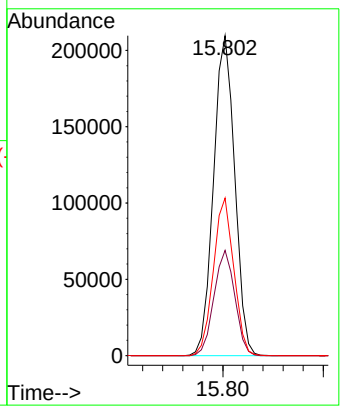




#61
4-Chlorophenyl-phenylether
Concen: 43.789 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:204 Resp: 30785

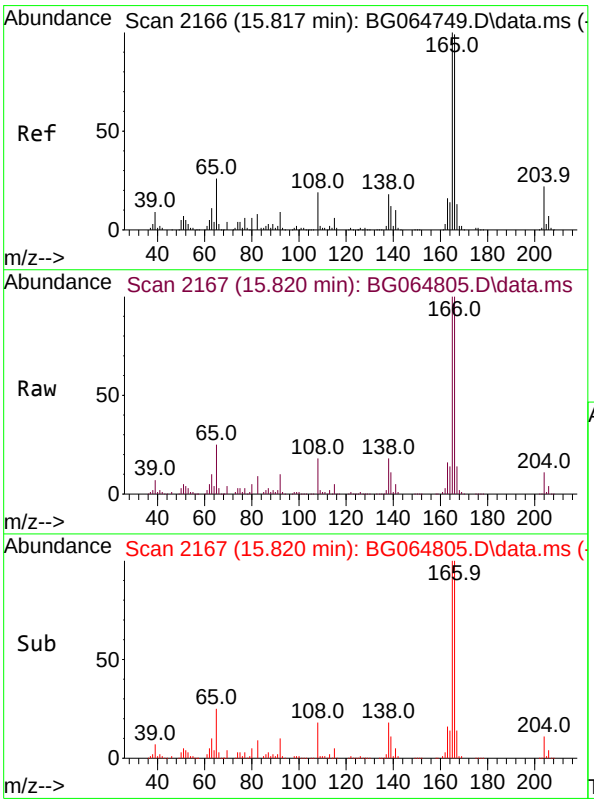
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.9	40.3
141	49.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

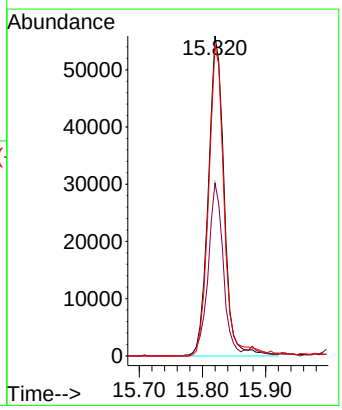
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

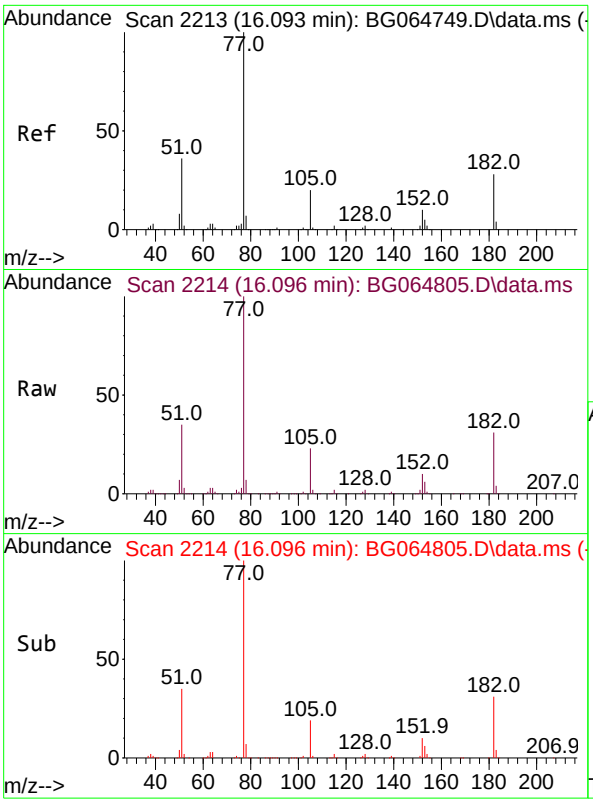


#62
4-Nitroaniline
Concen: 40.116 ng
RT: 15.820 min Scan# 2167
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:138 Resp: 97181

Ion	Ratio	Lower	Upper
138	100		
92	54.0	30.7	70.7
108	97.0	85.7	125.7

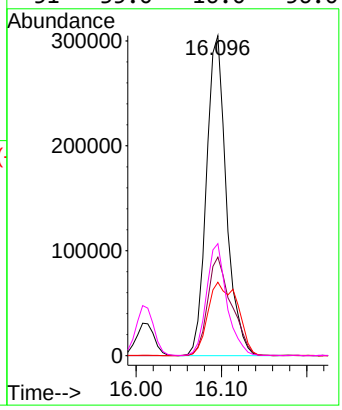




#63
Azobenzene
Concen: 50.467 ng
RT: 16.096 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion: 77 Resp: 49511

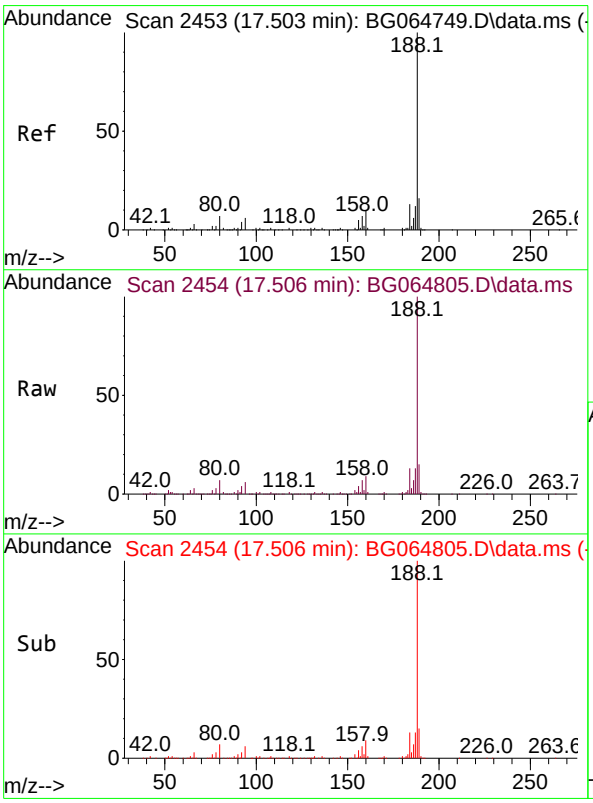
Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.1	48.1
105	22.9	0.1	40.1
51	35.0	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

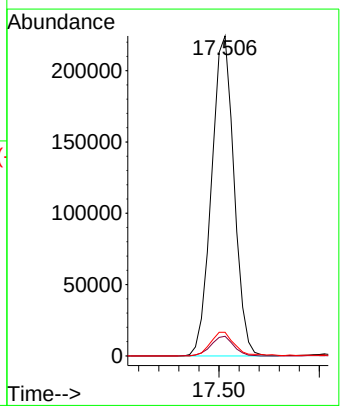
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

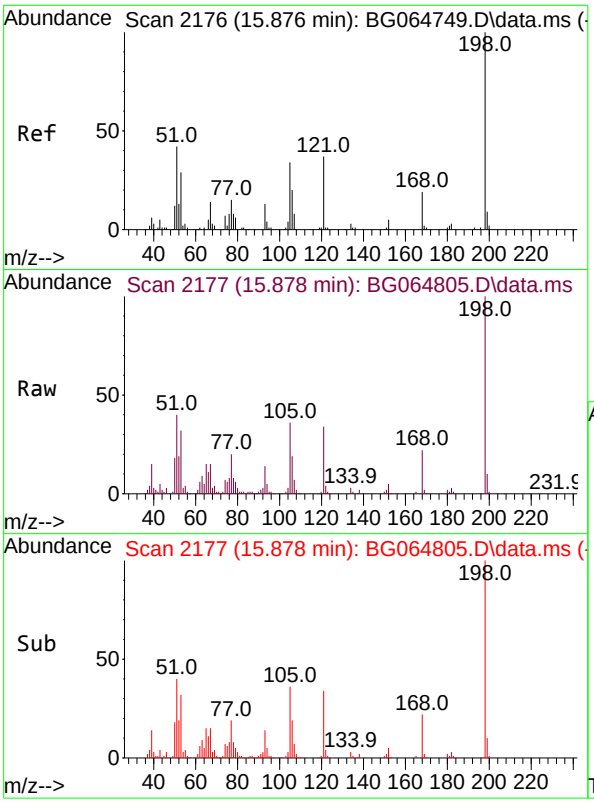


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:188 Resp: 348676

Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.7	7.1
80	7.4	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 45.688 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

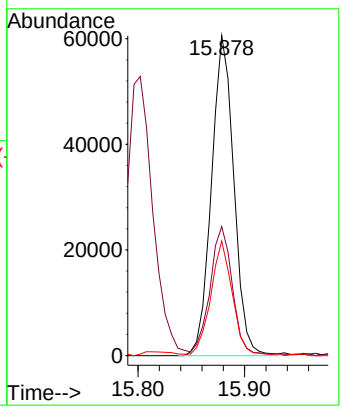
Tgt Ion:198 Resp: 8844

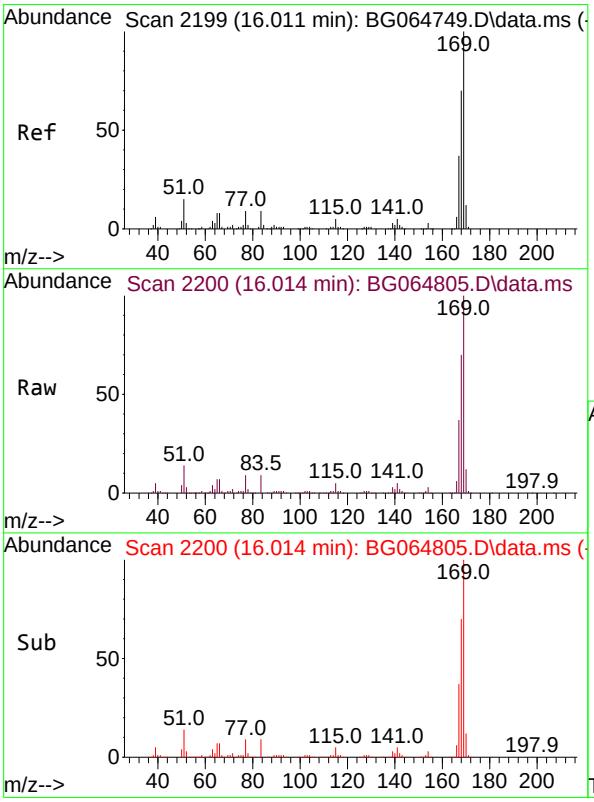
Ion	Ratio	Lower	Upper
198	100		
51	40.3	25.2	65.2
105	35.8	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

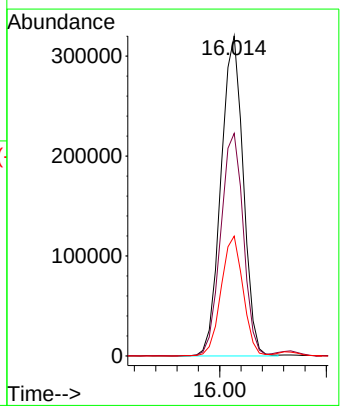


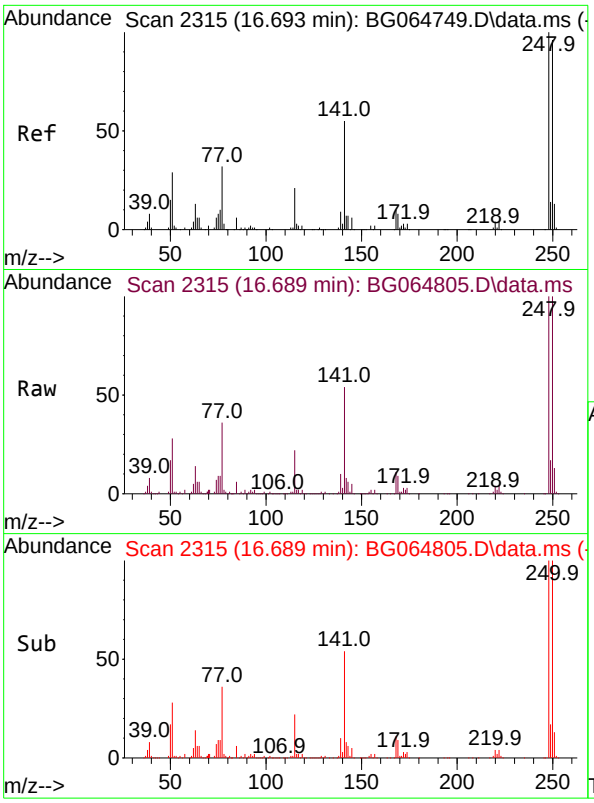


#66
n-Nitrosodiphenylamine
Concen: 50.797 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:169 Resp: 463930

Ion	Ratio	Lower	Upper
169	100		
168	69.5	55.9	83.9
167	37.4	29.8	44.6

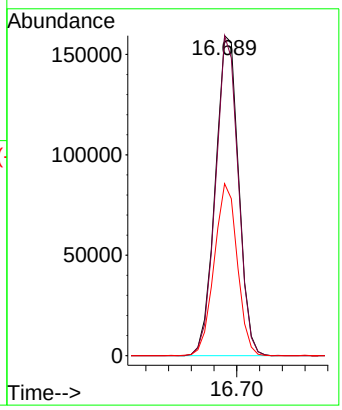




#67
4-Bromophenyl-phenylether
Concen: 49.466 ng
RT: 16.689 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:248 Resp: 22650

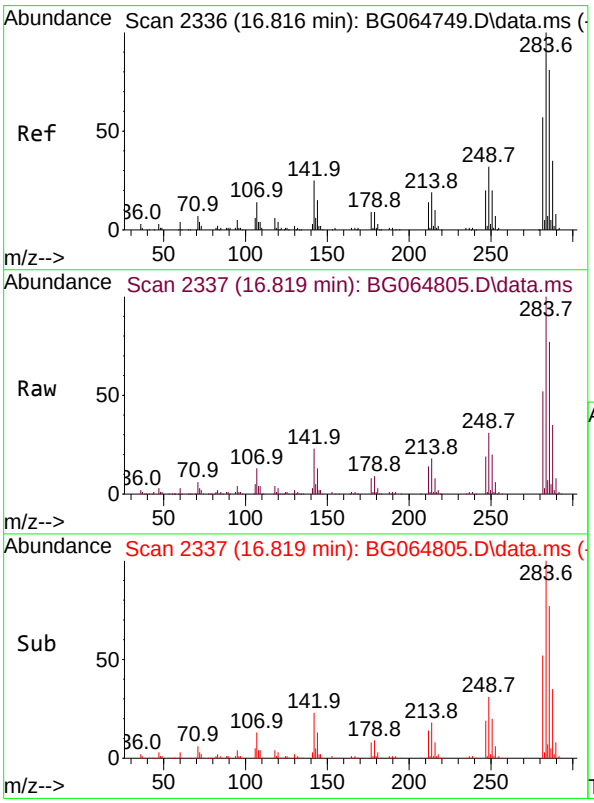
Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.0	115.6
141	53.8	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

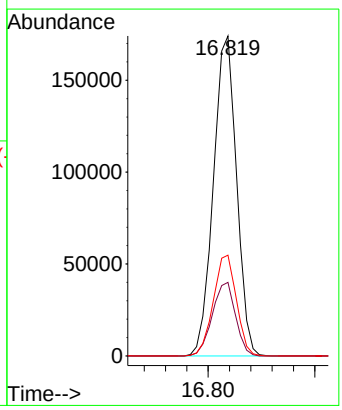
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

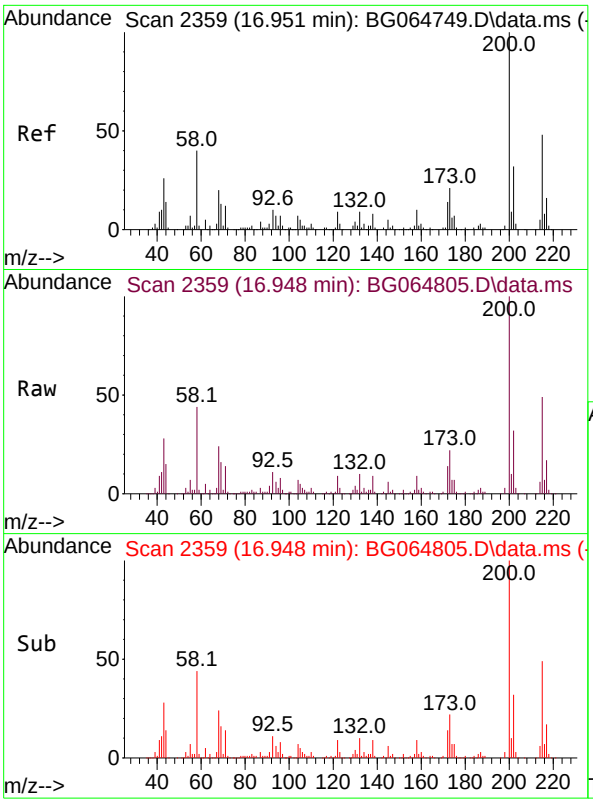


#68
Hexachlorobenzene
Concen: 47.369 ng
RT: 16.819 min Scan# 2337
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:284 Resp: 262785

Ion	Ratio	Lower	Upper
284	100		
142	23.0	19.7	29.5
249	33.9	28.1	42.1

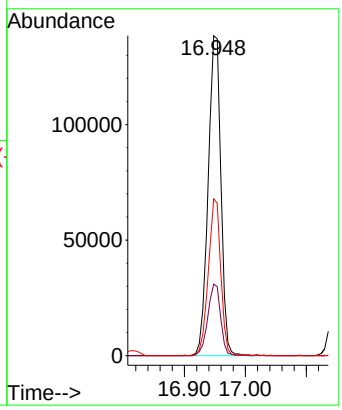




#69
Atrazine
Concen: 45.686 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:200 Resp: 20116

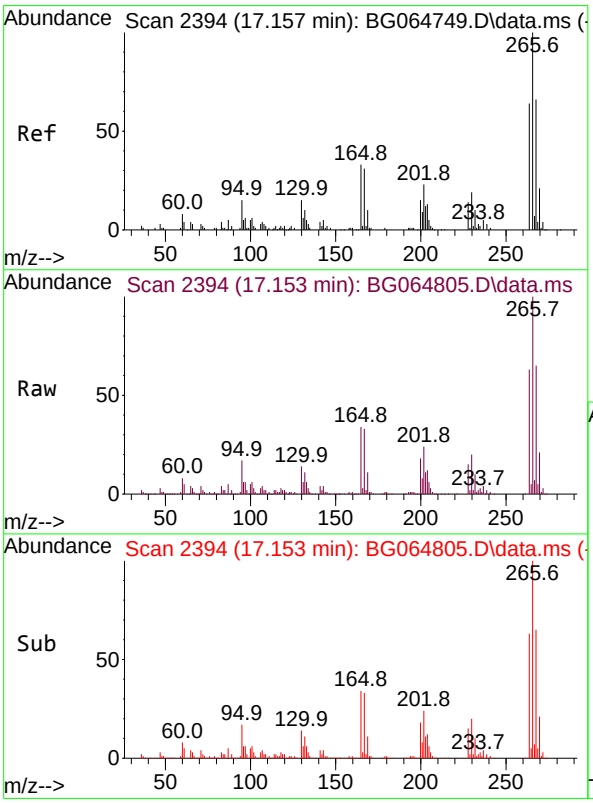
Ion	Ratio	Lower	Upper
200	100		
173	22.3	0.9	40.9
215	49.0	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

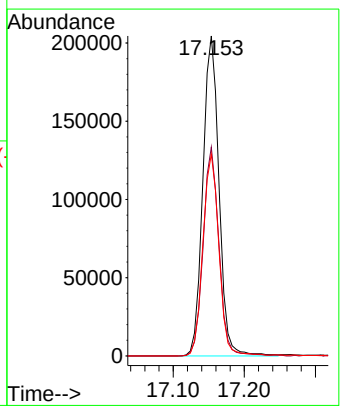
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

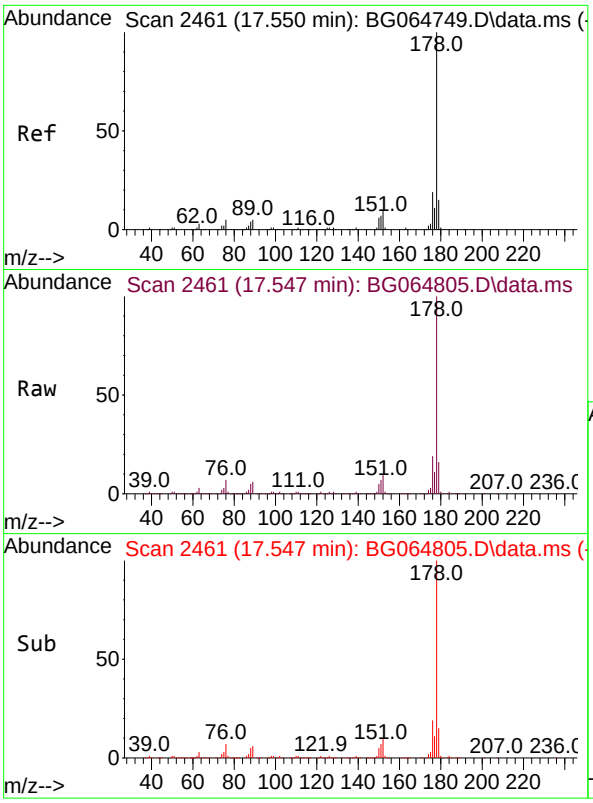


#70
Pentachlorophenol
Concen: 96.485 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:266 Resp: 321249

Ion	Ratio	Lower	Upper
266	100		
268	70.1	56.1	84.1
264	63.1	51.2	76.8

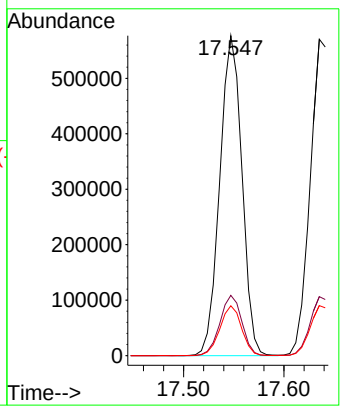




#71
Phenanthrene
Concen: 46.477 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:178 Resp: 88666

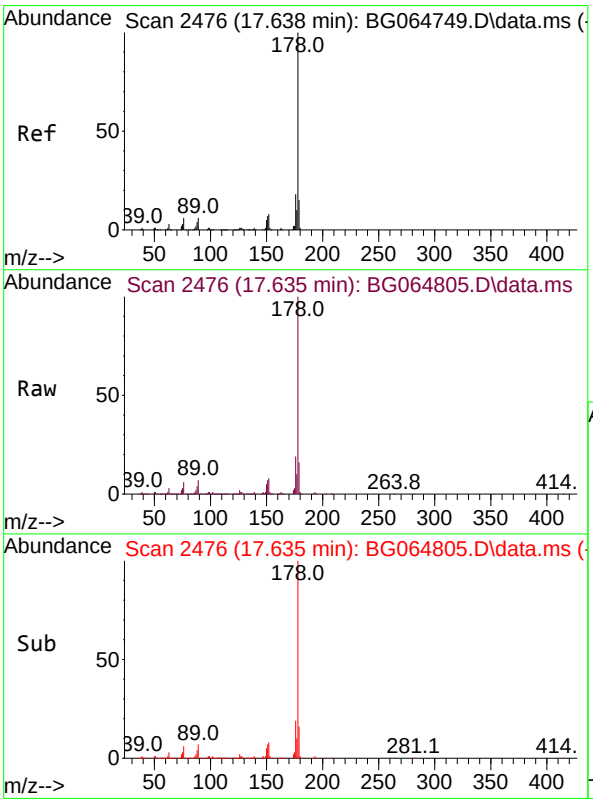
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

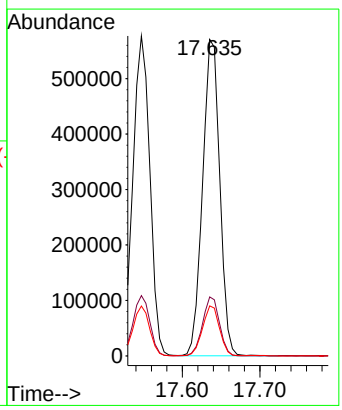
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

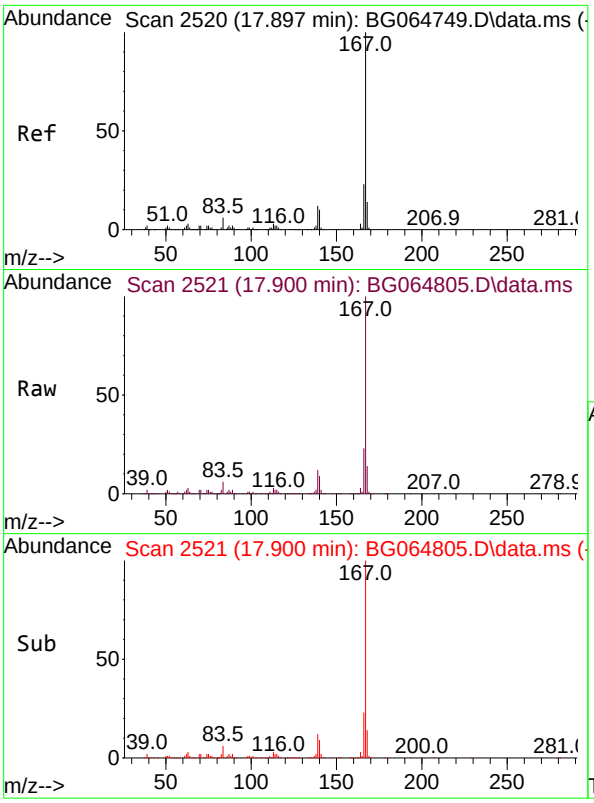


#72
Anthracene
Concen: 45.096 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:178 Resp: 877242

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.5	21.7
179	15.8	12.2	18.4





#73
Carbazole
Concen: 43.355 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

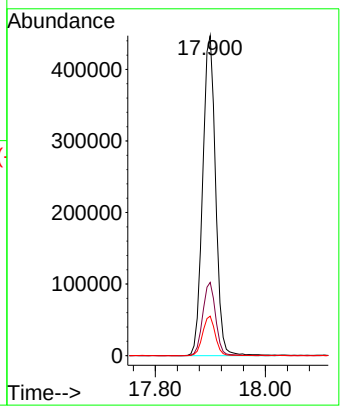
Tgt Ion:167 Resp: 72500

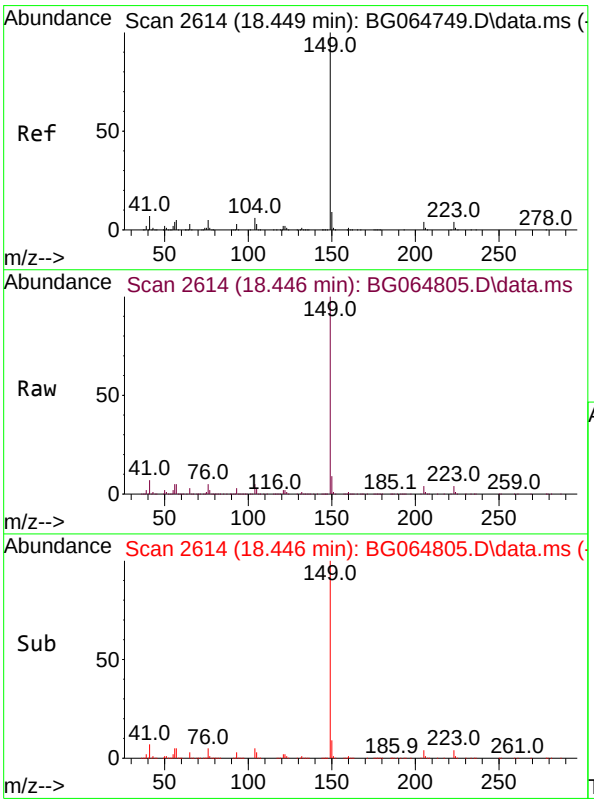
Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	12.3	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

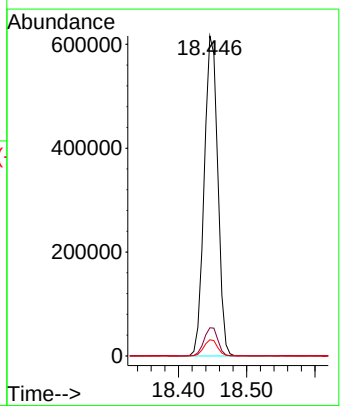


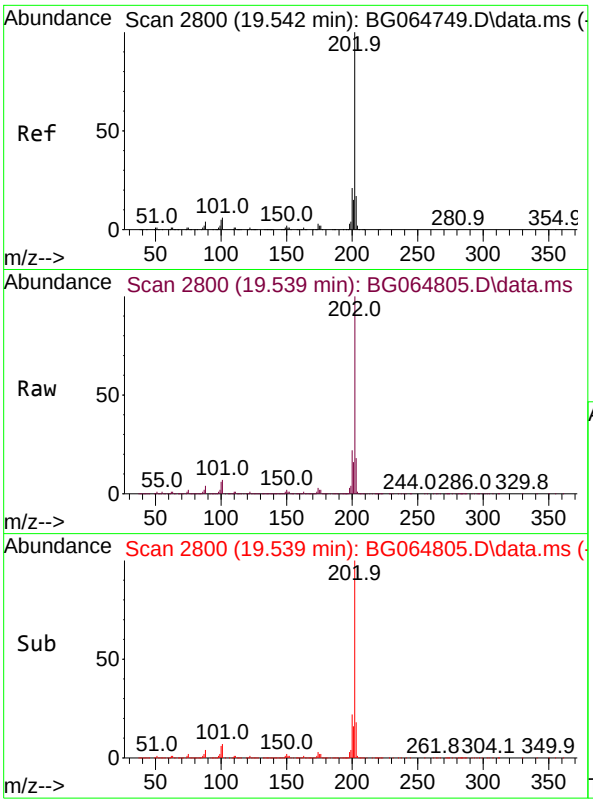


#74
Di-n-butylphthalate
Concen: 45.607 ng
RT: 18.446 min Scan# 2614
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:149 Resp: 850883

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	5.0	4.4	6.6

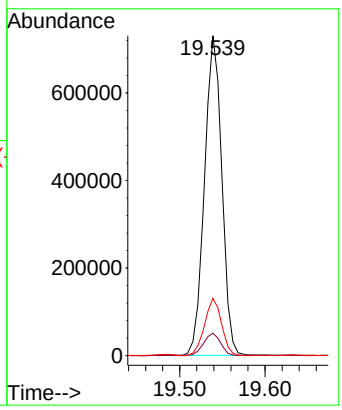




#75
Fluoranthene
Concen: 39.479 ng
RT: 19.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:202 Resp: 102990

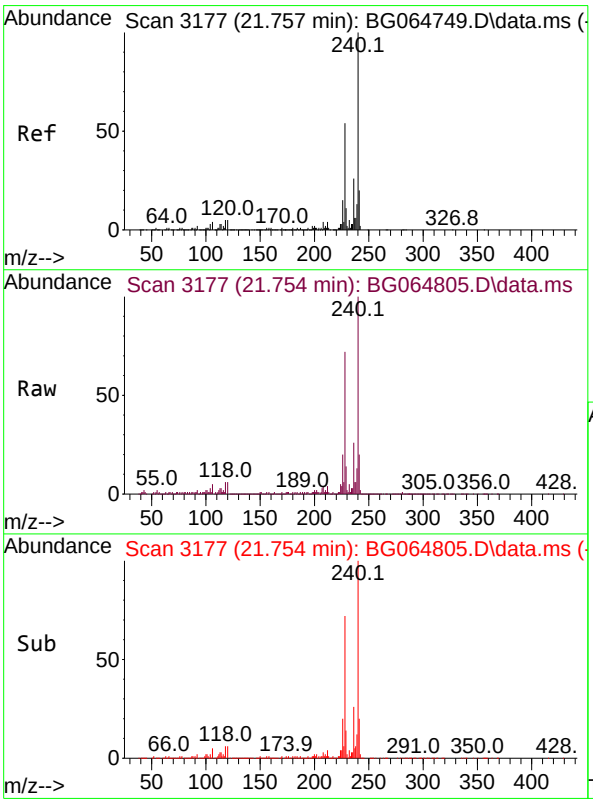
Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	26.4
203	17.9	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

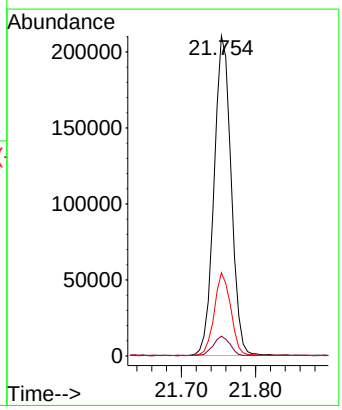
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

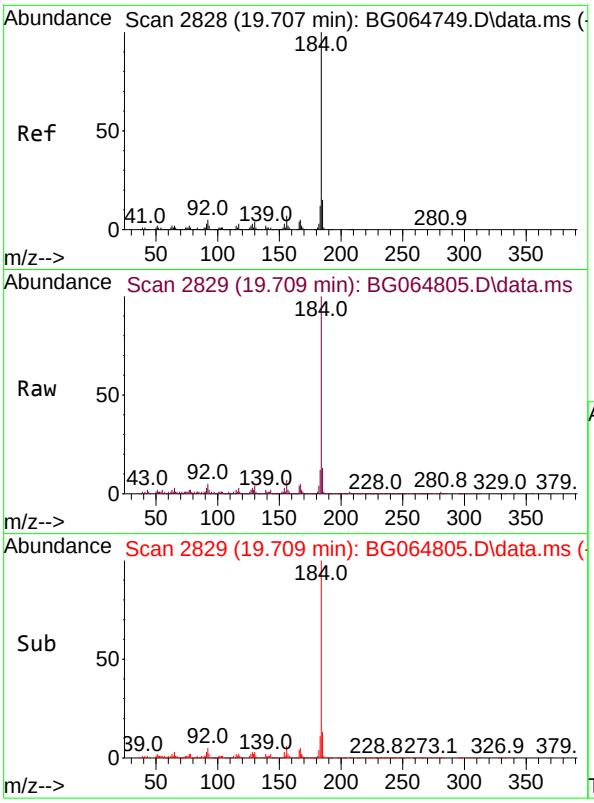


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:240 Resp: 336753

Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.2	6.4
236	26.0	20.8	31.2





#77
Benzidine
Concen: 22.761 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

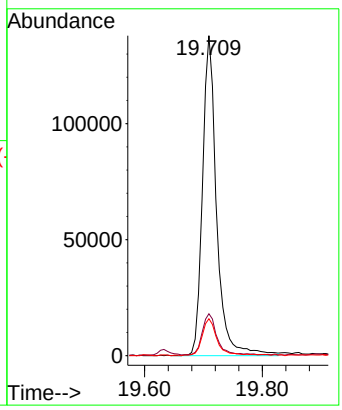
Tgt Ion:184 Resp: 22955

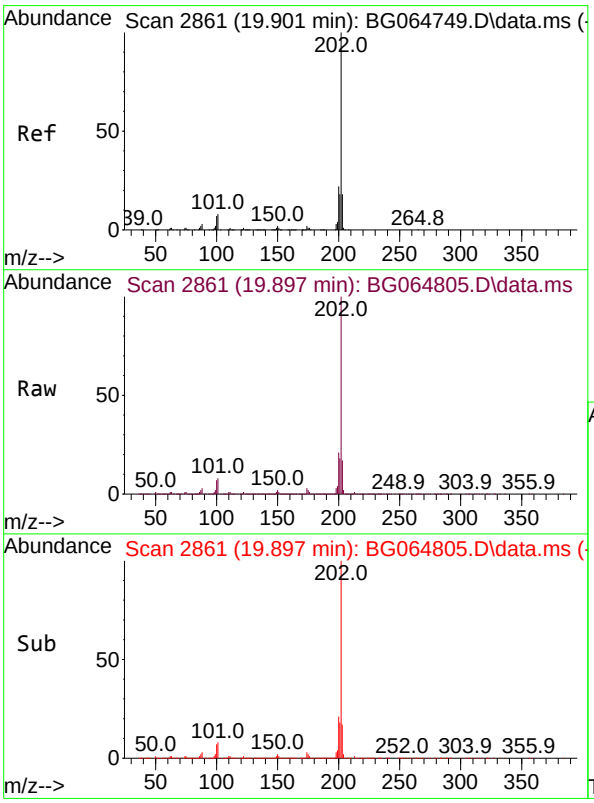
Ion	Ratio	Lower	Upper
184	100		
185	13.1	11.8	17.6
183	11.5	9.8	14.6

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

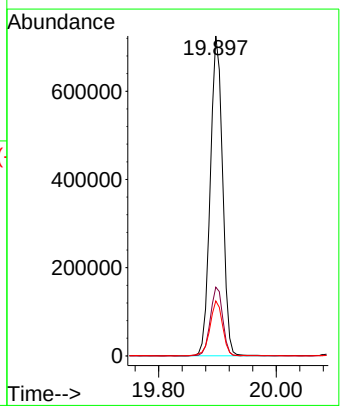


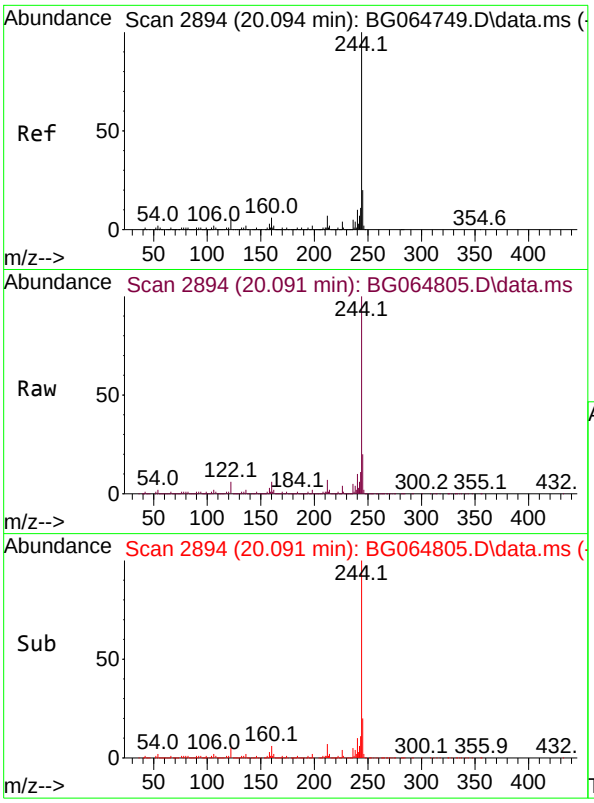


#78
Pyrene
Concen: 55.724 ng
RT: 19.897 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:202 Resp: 1051714

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.9	26.9
203	17.2	14.0	21.0





#79
Terphenyl-d14
Concen: 73.373 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

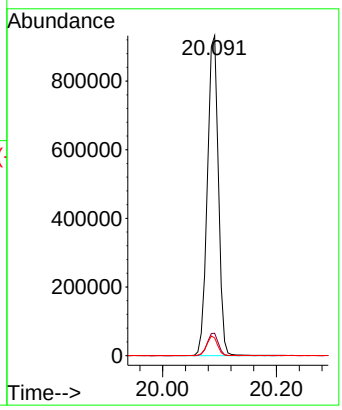
Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

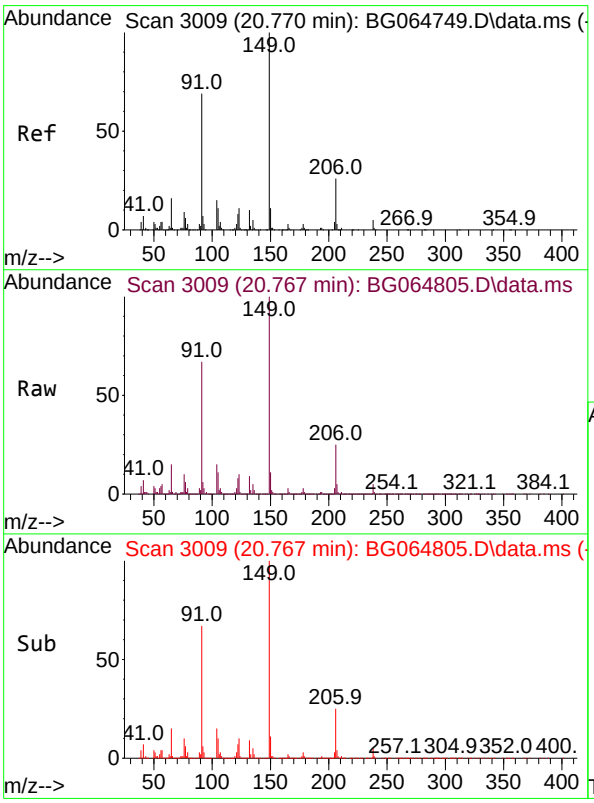
Tgt Ion:244 Resp: 125610

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.5	4.3	6.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

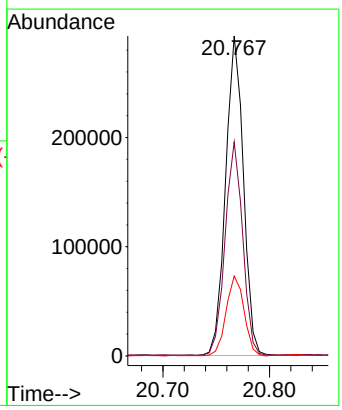


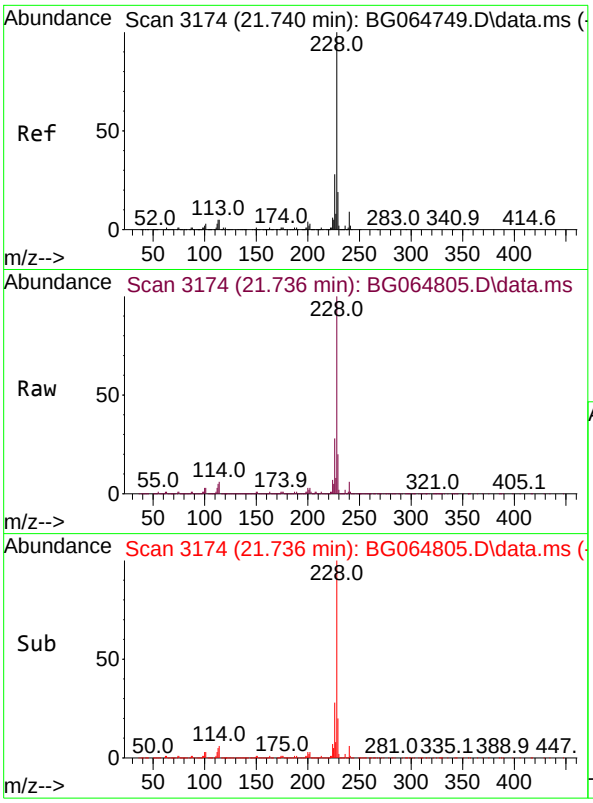


#80
Butylbenzylphthalate
Concen: 51.293 ng
RT: 20.767 min Scan# 3009
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:149 Resp: 340509

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.9	82.3
206	25.0	21.2	31.8

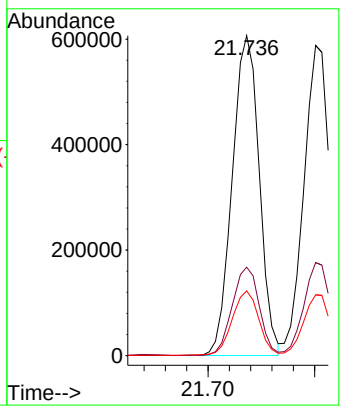




#81
Benzo(a)anthracene
Concen: 46.539 ng
RT: 21.736 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:228 Resp: 106565

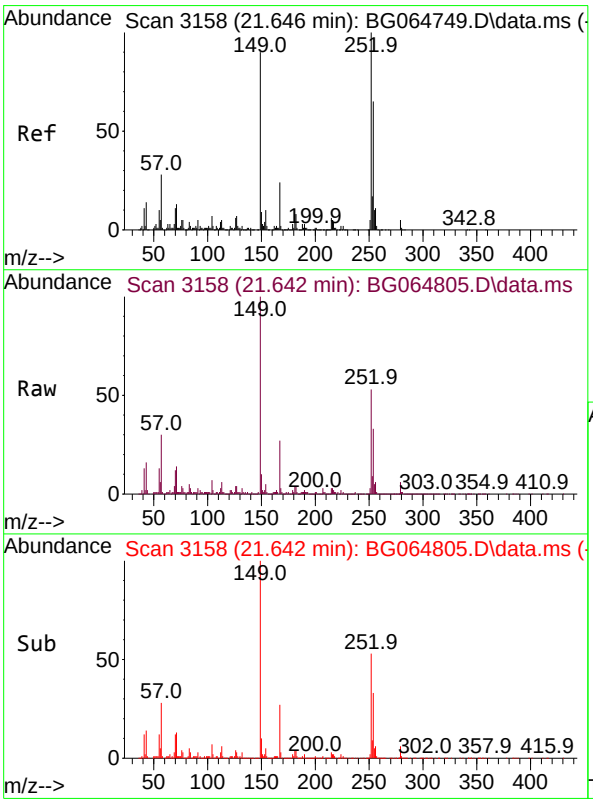
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.2	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

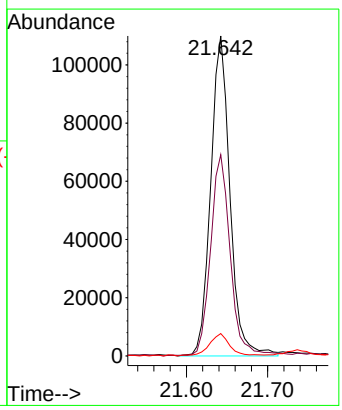
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

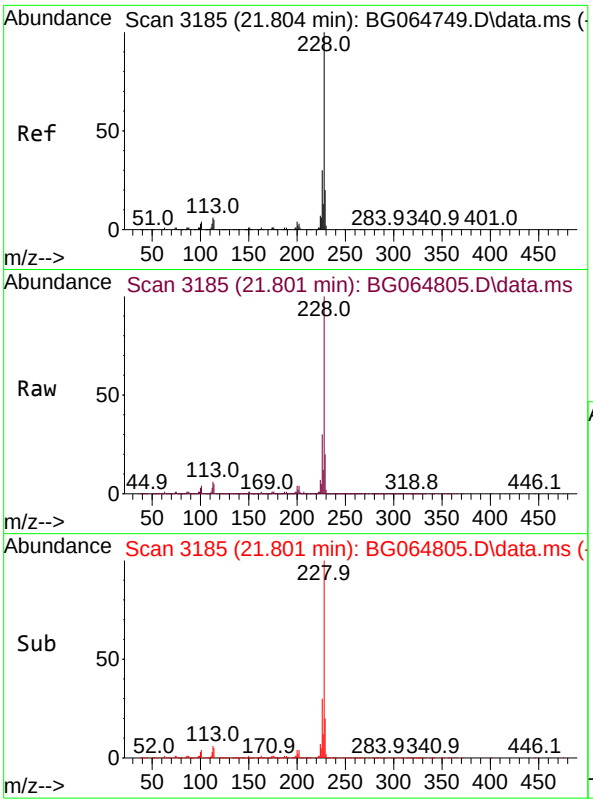


#82
3,3'-Dichlorobenzidine
Concen: 21.508 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:252 Resp: 181271

Ion	Ratio	Lower	Upper
252	100		
254	62.9	51.8	77.8
126	7.0	4.7	7.1





#83
Chrysene
Concen: 46.628 ng
RT: 21.801 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

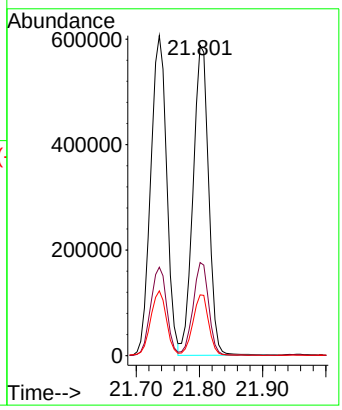
Tgt Ion:228 Resp: 100658

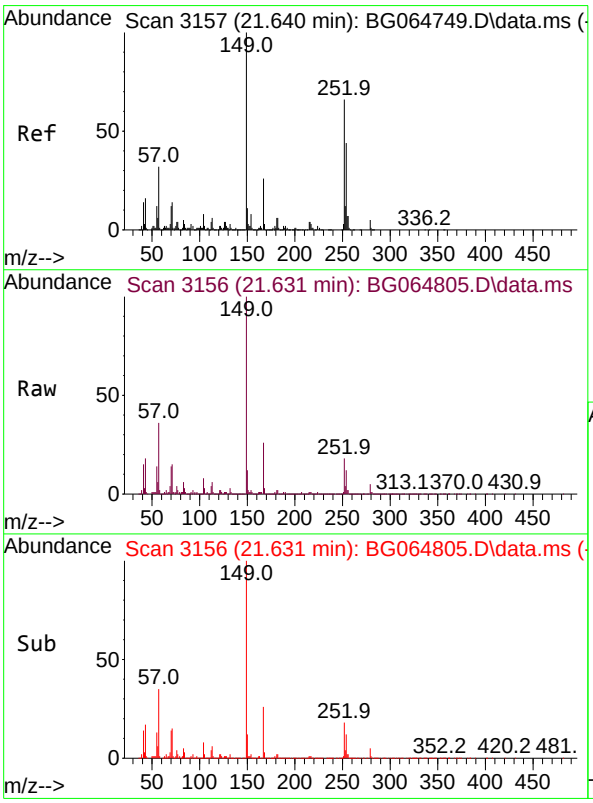
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.6	16.0	24.0

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

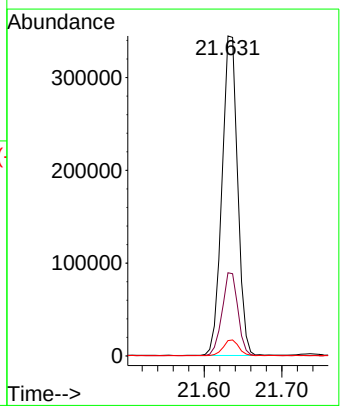


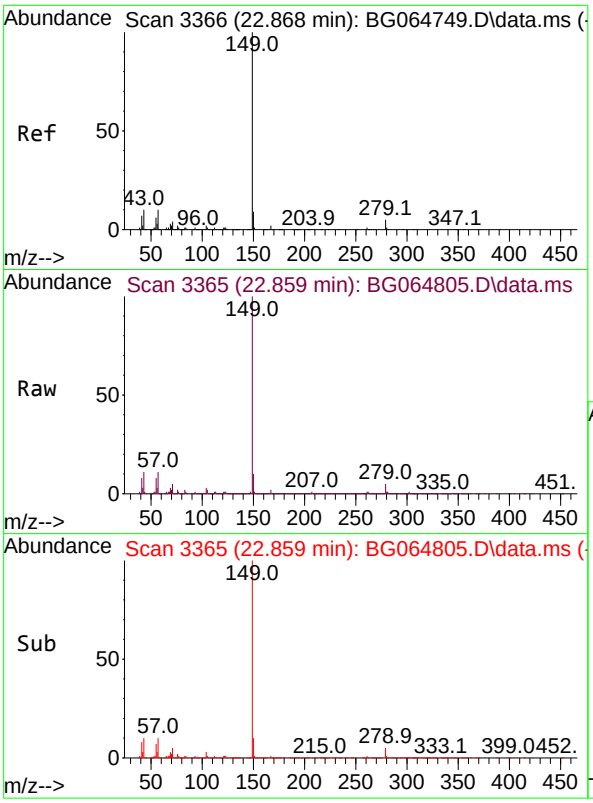


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.887 ng
RT: 21.631 min Scan# 3156
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:149 Resp: 483937

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.4
279	4.8	4.1	6.1

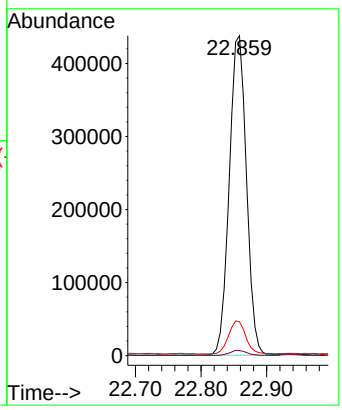




#85
Di-n-octyl phthalate
Concen: 47.433 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:149 Resp: 795379

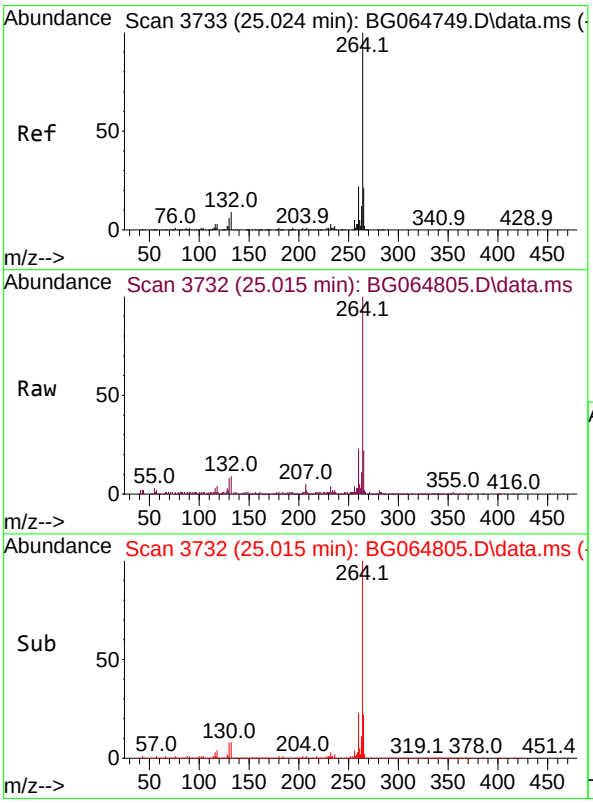
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.3	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

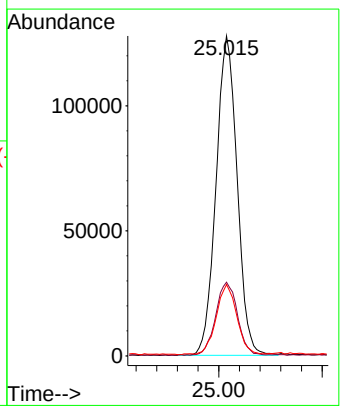
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

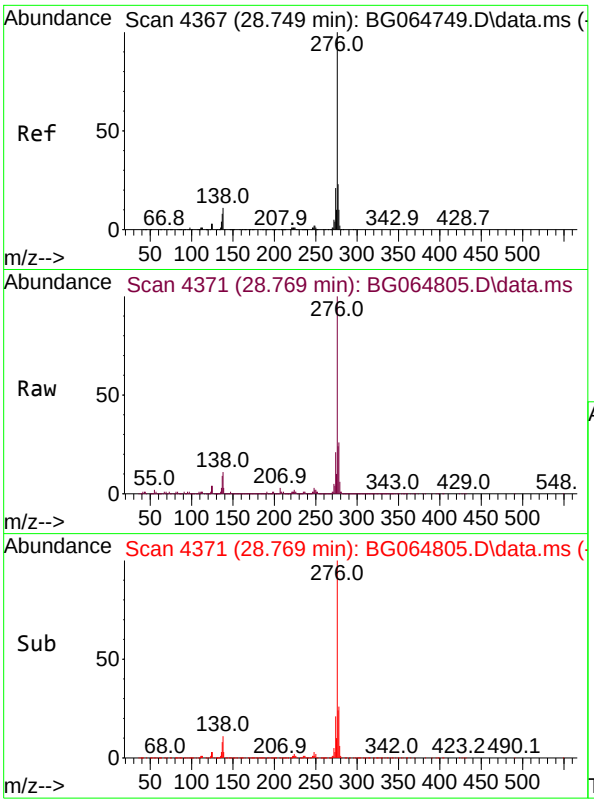


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.015 min Scan# 3732
Delta R.T. -0.009 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:264 Resp: 363160

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.2	25.8
265	22.3	16.6	25.0

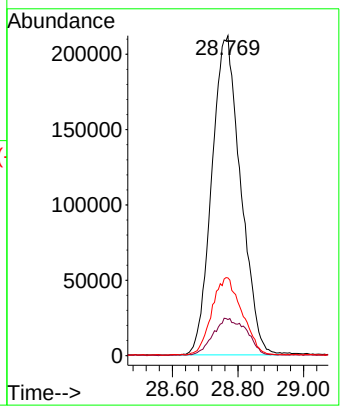




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.854 ng
RT: 28.769 min Scan# 4
Delta R.T. 0.020 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:276 Resp: 129377

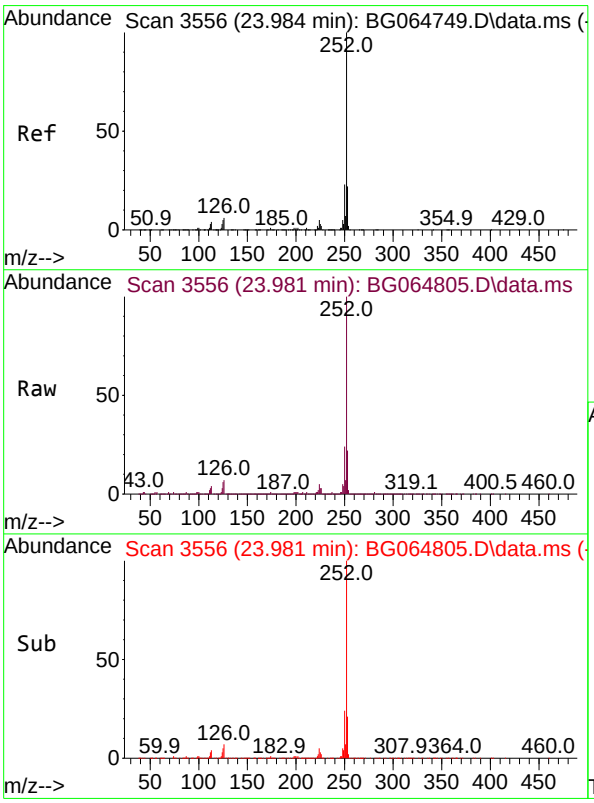
Ion	Ratio	Lower	Upper
276	100		
138	13.3	4.5	6.7#
277	25.1	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

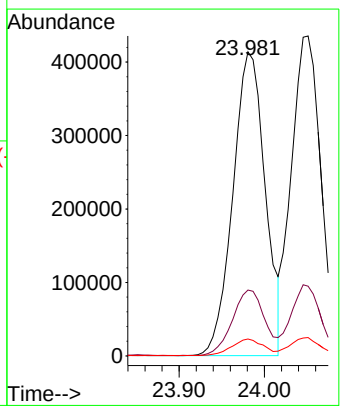
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

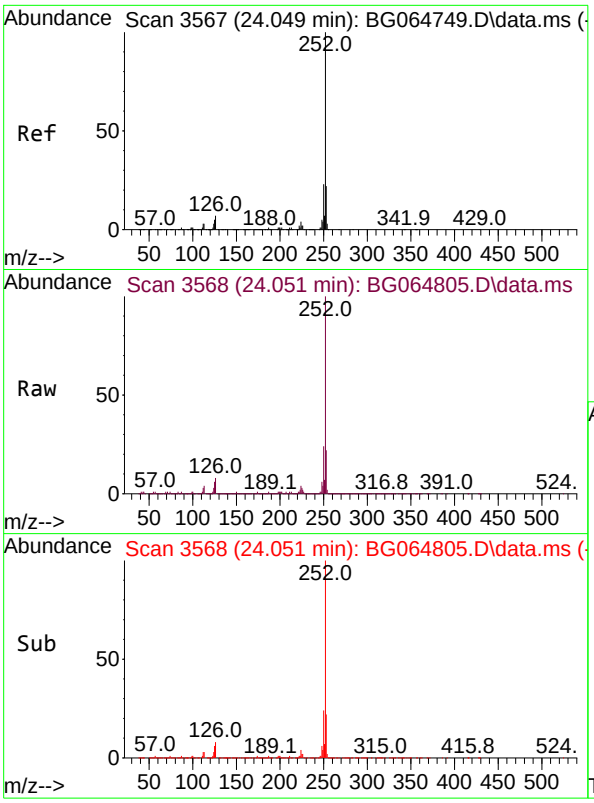


#88
Benzo(b)fluoranthene
Concen: 47.147 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:252 Resp: 1089616

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	5.6	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 45.198 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

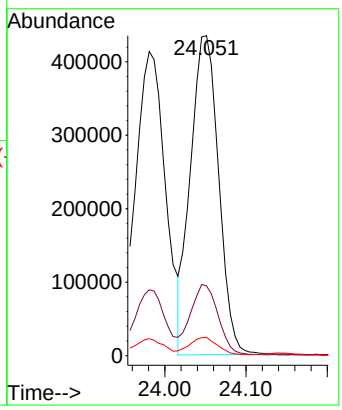
Tgt Ion:252 Resp: 104942

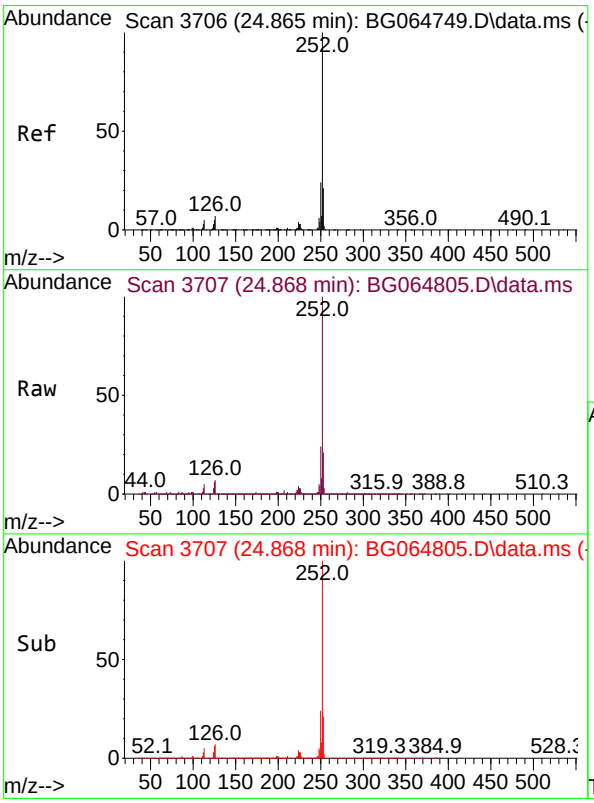
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	5.7	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

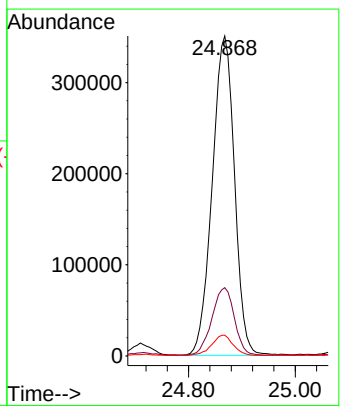


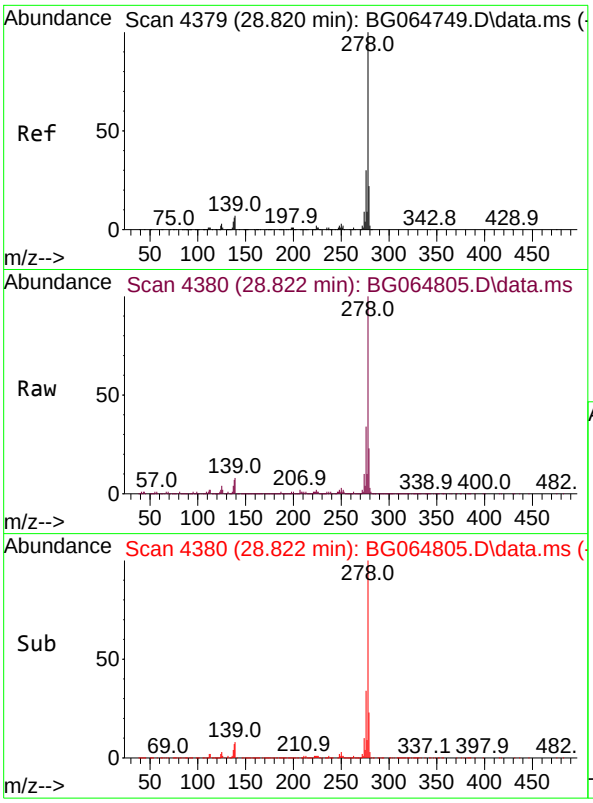


#90
Benzo(a)pyrene
Concen: 47.412 ng
RT: 24.868 min Scan# 3707
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:252 Resp: 1016437

Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.9	25.3
125	6.5	4.2	6.4#

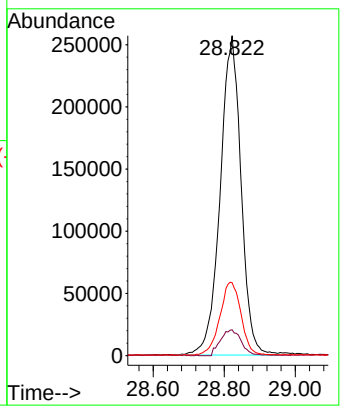




#91
Dibenzo(a,h)anthracene
Concen: 51.208 ng
RT: 28.822 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:278 Resp: 104667

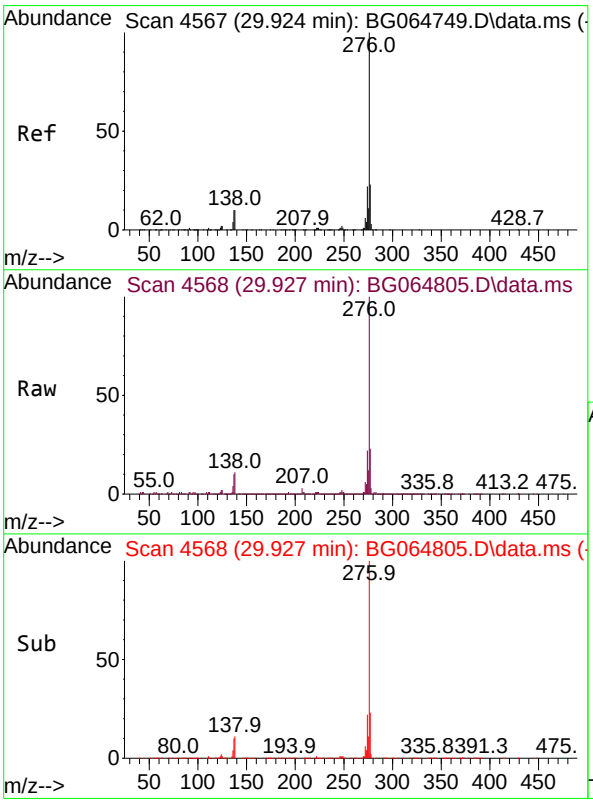
Ion	Ratio	Lower	Upper
278	100		
139	8.1	5.8	8.8
279	22.8	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MS

Manual Integrations
APPROVED

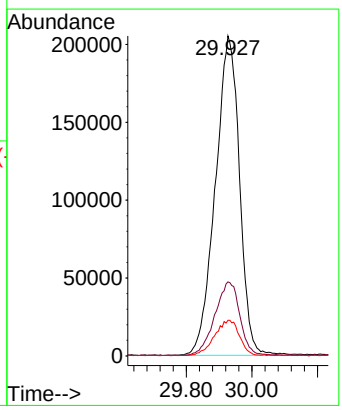
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 53.307 ng
RT: 29.927 min Scan# 4568
Delta R.T. 0.003 min
Lab File: BG064805.D
Acq: 18 Nov 2025 16:21

Tgt Ion:276 Resp: 1048620

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.0	27.0
138	11.1	8.2	12.2



Raw Data: **BG064806.D**

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	11/17/25
Project:	NJ Soil PT			Date Received:	11/17/25
Client Sample ID:	NB-07-111725MSD			SDG No.:	Q3483
Lab Sample ID:	Q3658-01MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.9
Sample Wt/Vol:	50.02 g	Final Vol:	1000 uL	Test:	SVOCMS Group4
Prep Method :	SW3541	Prep Date:	11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
1912-24-9	Atrazine	1000		1	22.4	110	ug/Kg	11/18/25 17:01	PB170598
SURROGATES									
367-12-4	2-Fluorophenol	98.7			10 - 105	66%	SPK: 150		
13127-88-3	Phenol-d6	99.1			10 - 103	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.9			10 - 108	62%	SPK: 100		
321-60-8	2-Fluorobiphenyl	57.3			10 - 108	57%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	93.0			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	72.9			10 - 109	73%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	45900							
1146-65-2	Naphthalene-d8	186000							
15067-26-2	Acenaphthene-d10	154000							
1517-22-2	Phenanthrene-d10	347000							
1719-03-5	Chrysene-d12	343000							
1520-96-3	Perylene-d12	372000							

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

Sample Results: **BG064806.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064806.D
Acq On : 18 Nov 2025 17:01
Operator : RC/JU
Sample : Q3658-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 17:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	45859	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	185864	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	153717	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	346793	20.000	ng	0.00
76) Chrysene-d12	21.754	240	343005	20.000	ng	0.00
86) Perylene-d12	25.015	264	371739	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	259099	98.660	ng	0.00
7) Phenol-d6	7.312	99	346046	99.070	ng	0.00
23) Nitrobenzene-d5	9.327	82	232552	61.863	ng	0.00
42) 2,4,6-Tribromophenol	16.254	330	278694	92.961	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	631225	57.298	ng	0.00
79) Terphenyl-d14	20.091	244	1271322	72.909	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	36175	35.581	ng	98
3) Pyridine	3.934	79	105499	34.826	ng	95
4) n-Nitrosodimethylamine	3.845	42	62107	40.282	ng	89
6) Aniline	7.476	93	83961	18.034	ng	100
8) 2-Chlorophenol	7.723	128	136768	47.429	ng	97
9) Benzaldehyde	7.288	77	66174	28.941	ng	96
10) Phenol	7.341	94	180092	47.387	ng	95
11) bis(2-Chloroethyl)ether	7.570	93	118141	43.685	ng	99
12) 1,3-Dichlorobenzene	8.058	146	149728	45.124	ng	96
13) 1,4-Dichlorobenzene	8.199	146	155898	46.141	ng	97
14) 1,2-Dichlorobenzene	8.522	146	153991	47.005	ng	99
15) Benzyl Alcohol	8.393	79	136260	47.526	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.687	45	267455	41.782	ng	96
17) 2-Methylphenol	8.599	107	128186	47.669	ng	96
18) Hexachloroethane	9.263	117	57891	45.238	ng	97
19) n-Nitroso-di-n-propyla...	8.969	70	104474	44.236	ng	96
20) 3+4-Methylphenols	8.928	107	172329	46.779	ng	95
22) Acetophenone	8.986	105	222070	43.855	ng	99
24) Nitrobenzene	9.368	77	168595	44.387	ng	96
25) Isophorone	9.897	82	304278	42.505	ng	98
26) 2-Nitrophenol	10.085	139	82924	48.537	ng	94
27) 2,4-Dimethylphenol	10.138	122	137062	45.158	ng	99
28) bis(2-Chloroethoxy)met...	10.373	93	175795	44.731	ng	100
29) 2,4-Dichlorophenol	10.620	162	161878	49.677	ng	98
30) 1,2,4-Trichlorobenzene	10.843	180	186815	47.477	ng	98
31) Naphthalene	11.031	128	464876	44.122	ng	99
32) Benzoic acid	10.285	122	108794	50.446	ng	98
33) 4-Chloroaniline	11.131	127	49313	11.700	ng	99
34) Hexachlorobutadiene	11.319	225	146746	43.465	ng	97
35) Caprolactam	11.901	113	46291m	47.495	ng	
36) 4-Chloro-3-methylphenol	12.241	107	173370	47.800	ng	99
37) 2-Methylnaphthalene	12.623	142	320641	40.667	ng	99
38) 1-Methylnaphthalene	12.841	142	334820	42.749	ng	99
40) 1,2,4,5-Tetrachloroben...	12.988	216	273123	45.656	ng	99
41) Hexachlorocyclopentadiene	12.970	237	181558	42.342	ng	95
43) 2,4,6-Trichlorophenol	13.217	196	165757	47.210	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064806.D
Acq On : 18 Nov 2025 17:01
Operator : RC/JU
Sample : Q3658-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 18 17:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.293	196	189692	48.171	ng		98
46)	1,1'-Biphenyl	13.616	154	493951	44.740	ng		97
47)	2-Chloronaphthalene	13.663	162	387936	44.601	ng		99
48)	2-Nitroaniline	13.851	65	130207	46.542	ng		98
49)	Acenaphthylene	14.503	152	668768	45.005	ng		98
50)	Dimethylphthalate	14.221	163	510718	42.060	ng		99
51)	2,6-Dinitrotoluene	14.339	165	111951	47.913	ng		95
52)	Acenaphthene	14.838	154	424042	47.593	ng		98
53)	3-Nitroaniline	14.668	138	66320	28.758	ng		94
54)	2,4-Dinitrophenol	14.868	184	102708	65.869	ng		92
55)	Dibenzofuran	15.167	168	660092	44.813	ng		98
56)	4-Nitrophenol	14.968	139	175859	96.115	ng		93
57)	2,4-Dinitrotoluene	15.120	165	162957	46.520	ng		99
58)	Fluorene	15.814	166	501755	43.432	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.391	232	195799	50.394	ng		98
60)	Diethylphthalate	15.573	149	500848	43.057	ng		99
61)	4-Chlorophenyl-phenyle...	15.802	204	300874	43.396	ng		100
62)	4-Nitroaniline	15.820	138	95289	39.885	ng		98
63)	Azobenzene	16.096	77	494473	51.108	ng		96
65)	4,6-Dinitro-2-methylph...	15.878	198	77742	40.376	ng		96
66)	n-Nitrosodiphenylamine	16.013	169	461656	50.823	ng		100
67)	4-Bromophenyl-phenylether	16.695	248	223813	49.145	ng		97
68)	Hexachlorobenzene	16.818	284	264122	47.869	ng		97
69)	Atrazine	16.948	200	205324	46.883	ng		99
70)	Pentachlorophenol	17.153	266	326908	98.575	ng		96
71)	Phenanthrene	17.547	178	891708	46.996	ng		100
72)	Anthracene	17.635	178	899685	46.501	ng		100
73)	Carbazole	17.899	167	744762	44.778	ng		99
74)	Di-n-butylphthalate	18.446	149	861272	46.415	ng		99
75)	Fluoranthene	19.539	202	1048731	40.420	ng		99
77)	Benzidine	19.709	184	266468	25.940	ng		98
78)	Pyrene	19.897	202	1060660	55.174	ng		99
80)	Butylbenzylphthalate	20.767	149	350558	51.844	ng		97
81)	Benzo(a)anthracene	21.736	228	1097876	47.073	ng		99
82)	3,3'-Dichlorobenzidine	21.642	252	219625	25.584	ng		97
83)	Chrysene	21.801	228	1023652	46.554	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.630	149	497488	50.349	ng		99
85)	Di-n-octyl phthalate	22.858	149	830788	48.642	ng		100
87)	Indeno(1,2,3-cd)pyrene	28.763	276	1348244	52.790	ng	#	98
88)	Benzo(b)fluoranthene	23.981	252	1124970	47.554	ng		99
89)	Benzo(k)fluoranthene	24.051	252	1082022	45.526	ng		98
90)	Benzo(a)pyrene	24.868	252	1039844	47.384	ng	#	98
91)	Dibenzo(a,h)anthracene	28.822	278	1082932	51.759	ng		96
92)	Benzo(g,h,i)perylene	29.932	276	1070512	53.164	ng		96

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

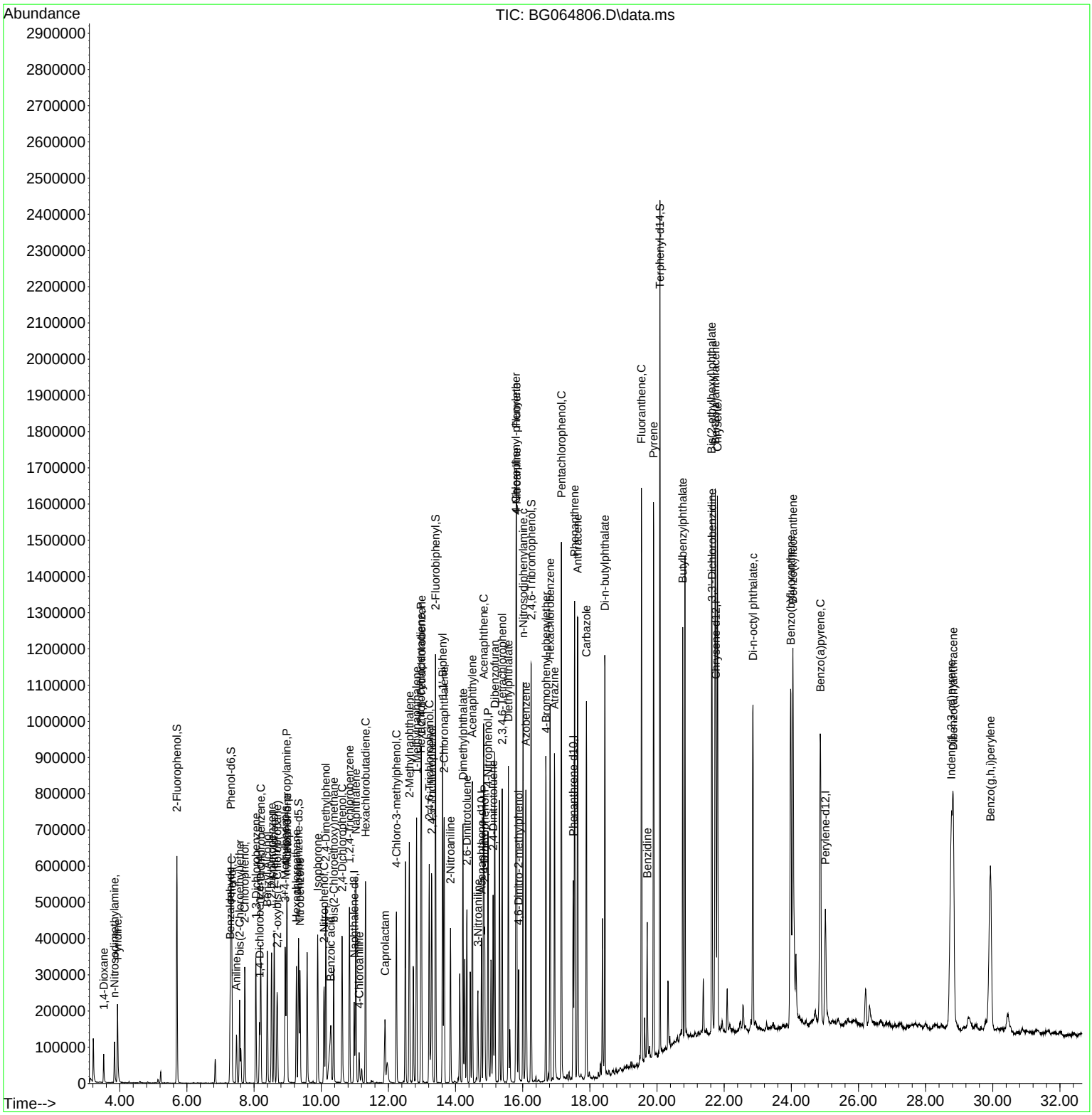
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064806.D
Acq On : 18 Nov 2025 17:01
Operator : RC/JU
Sample : Q3658-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

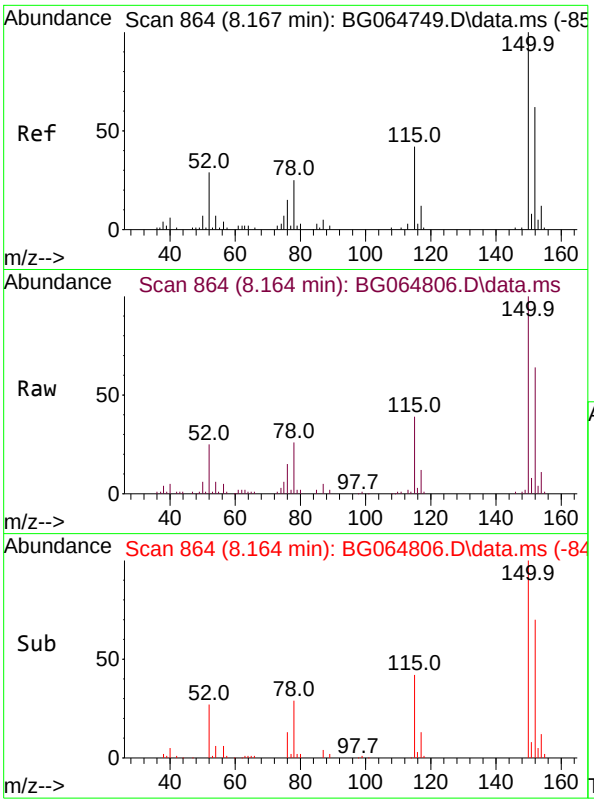
Quant Time: Nov 18 17:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

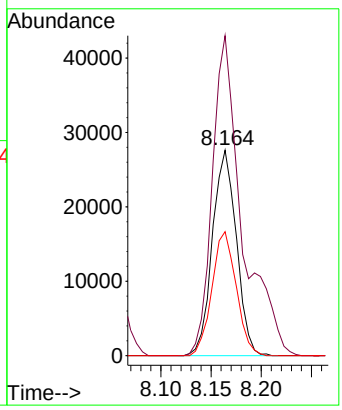




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:152 Resp: 4585

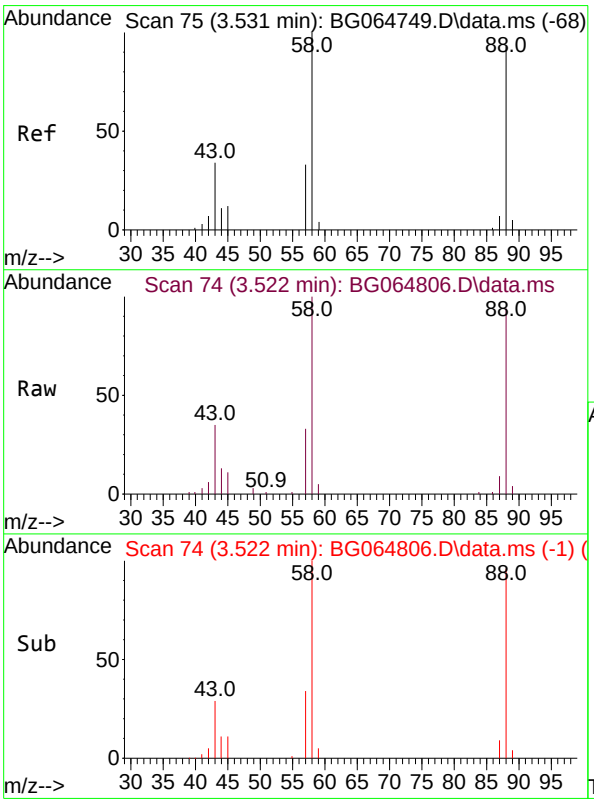
Ion	Ratio	Lower	Upper
152	100		
150	155.8	129.2	193.8
115	60.3	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

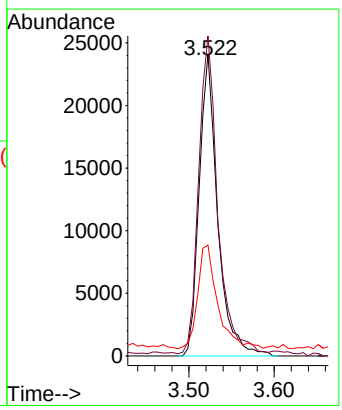
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

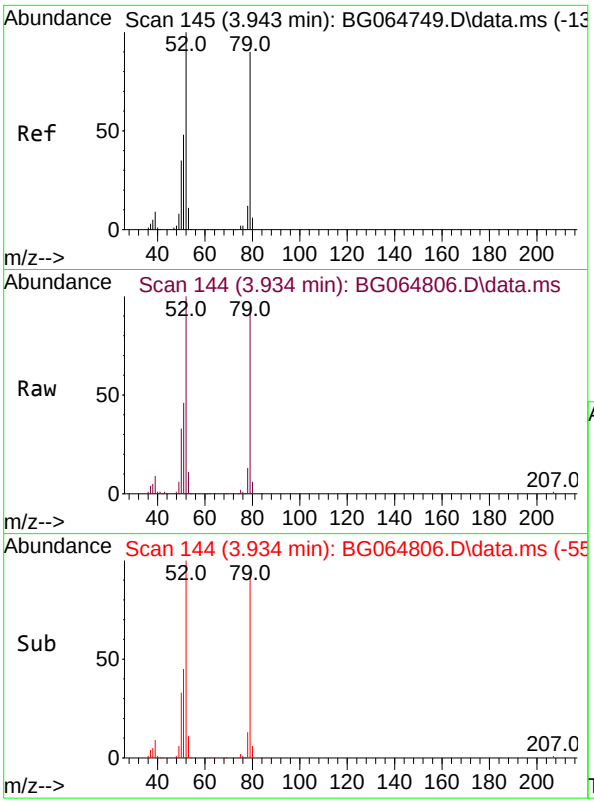


#2
1,4-Dioxane
Concen: 35.581 ng
RT: 3.522 min Scan# 74
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 88 Resp: 36175

Ion	Ratio	Lower	Upper
88	100		
58	108.6	84.6	126.8
43	37.4	30.0	45.0





#3
Pyridine
Concen: 34.826 ng
RT: 3.934 min Scan# 14
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

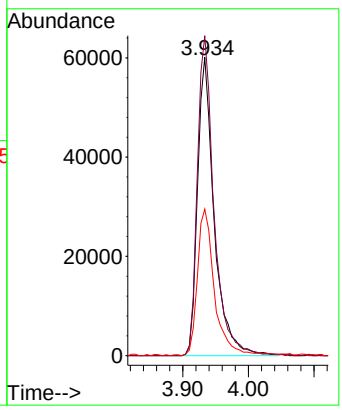
Tgt Ion: 79 Resp: 10549

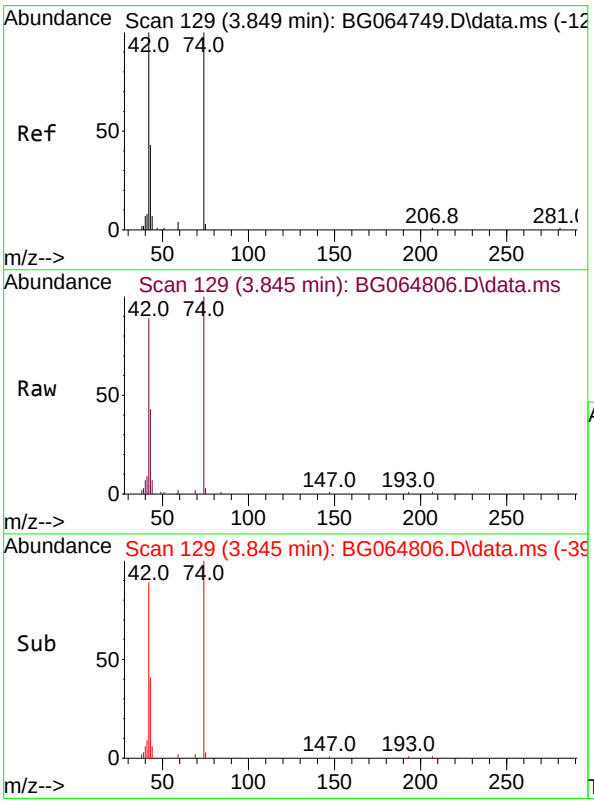
Ion	Ratio	Lower	Upper
79	100		
52	107.3	89.0	133.4
51	49.1	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

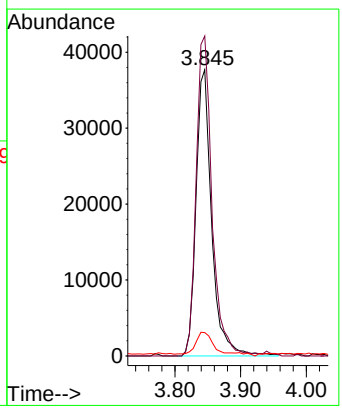


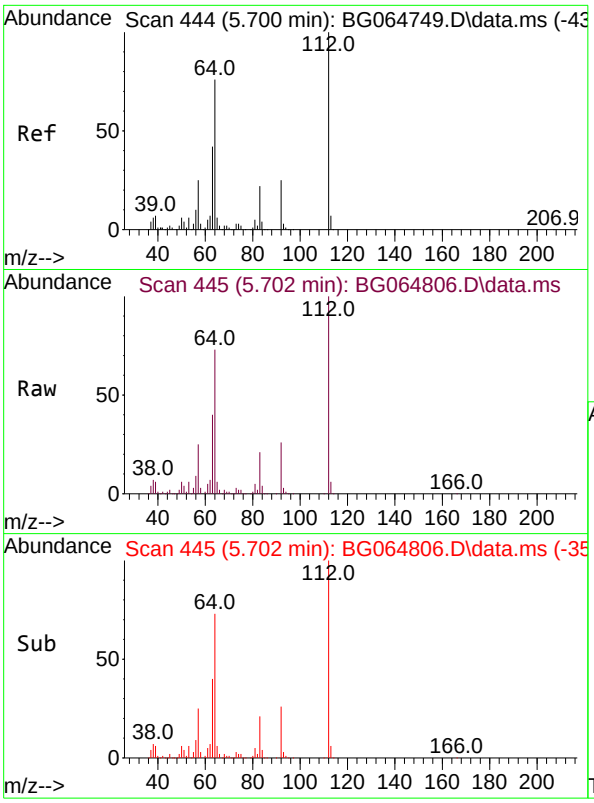


#4
n-Nitrosodimethylamine
Concen: 40.282 ng
RT: 3.845 min Scan# 129
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 42 Resp: 62107

Ion	Ratio	Lower	Upper
42	100		
74	111.8	79.8	119.6
44	8.1	5.9	8.9





#5
2-Fluorophenol
Concen: 98.660 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

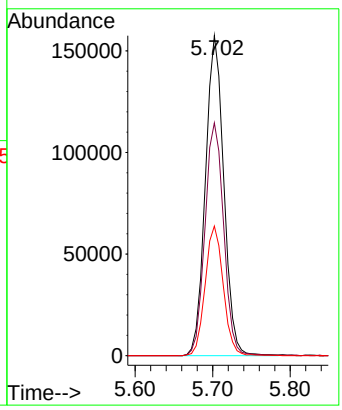
Tgt Ion:112 Resp: 259099

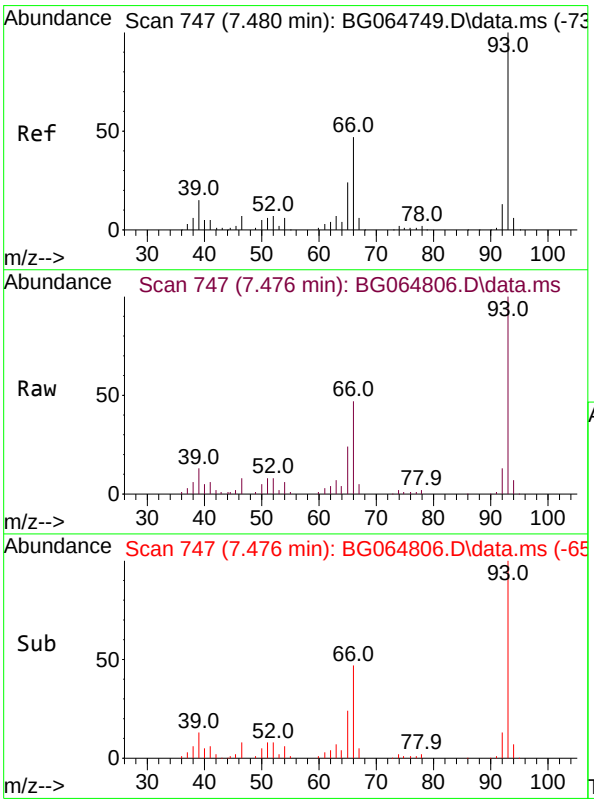
Ion	Ratio	Lower	Upper
112	100		
64	72.7	61.0	91.4
63	40.5	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

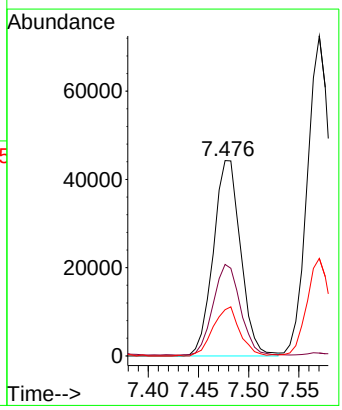


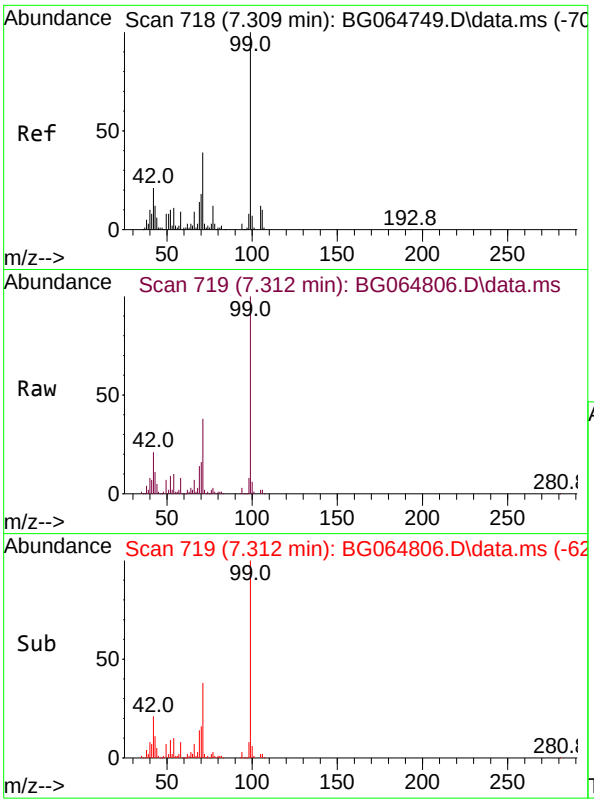


#6
Aniline
Concen: 18.034 ng
RT: 7.476 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 93 Resp: 83961

Ion	Ratio	Lower	Upper
93	100		
66	46.8	37.7	56.5
65	23.6	19.1	28.7

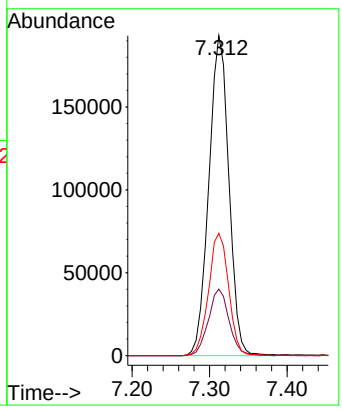




#7
Phenol-d6
Concen: 99.070 ng
RT: 7.312 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 99 Resp: 34604

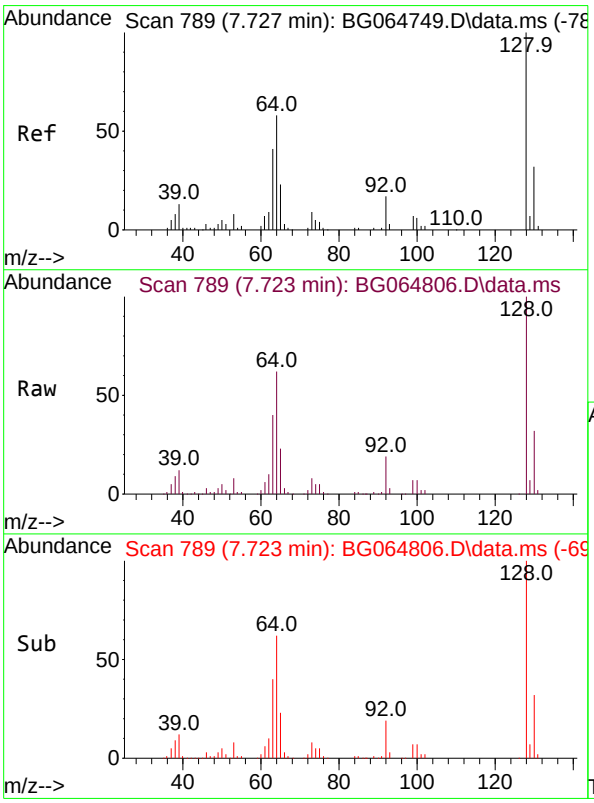
Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.8	25.2
71	38.2	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

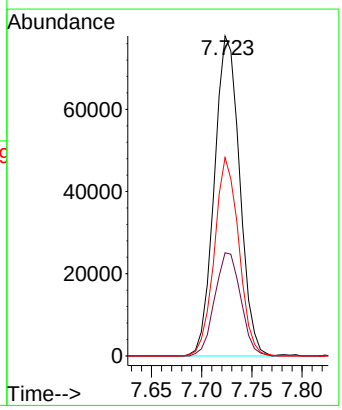
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

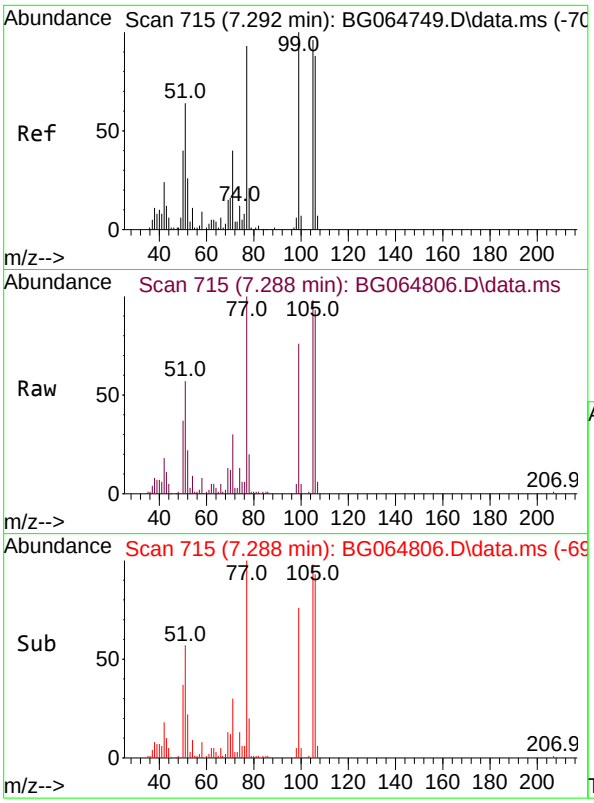


#8
2-Chlorophenol
Concen: 47.429 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:128 Resp: 136768

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.9	51.9
64	62.0	38.4	78.4





#9
Benzaldehyde
Concen: 28.941 ng
RT: 7.288 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

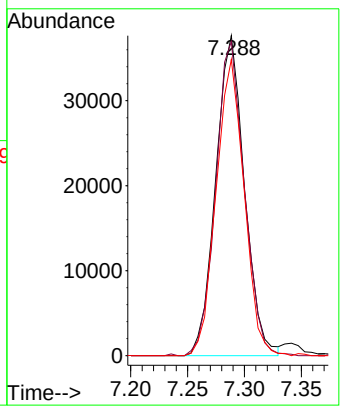
Tgt Ion: 77 Resp: 6617

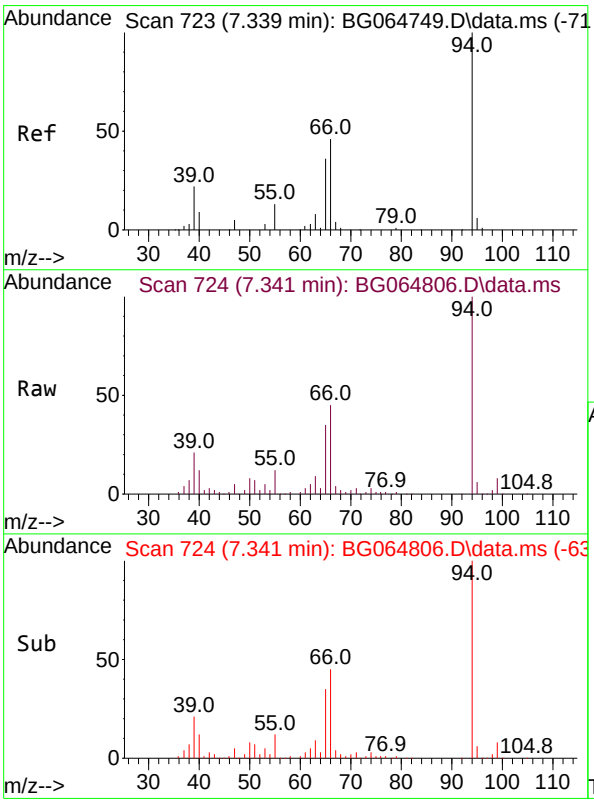
Ion	Ratio	Lower	Upper
77	100		
105	98.1	83.8	123.8
106	92.5	74.3	114.3

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

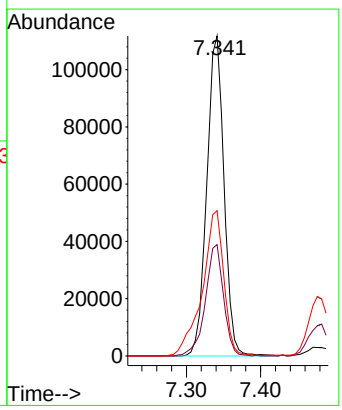


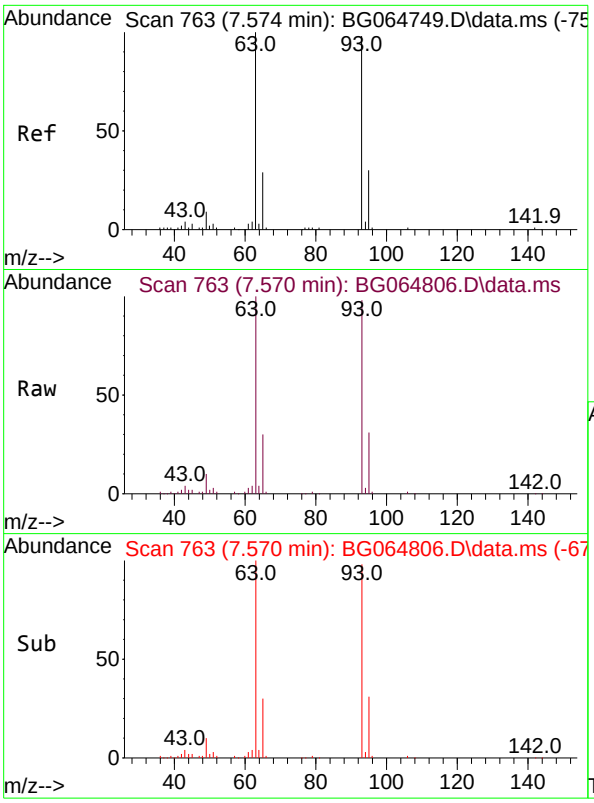


#10
Phenol
Concen: 47.387 ng
RT: 7.341 min Scan# 724
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 94 Resp: 180092

Ion	Ratio	Lower	Upper
94	100		
65	34.8	17.0	57.0
66	45.4	29.8	69.8

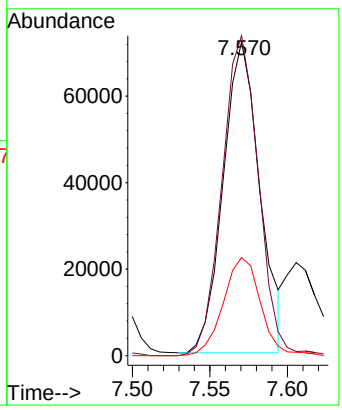




#11
bis(2-Chloroethyl)ether
Concen: 43.685 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 93 Resp: 11814

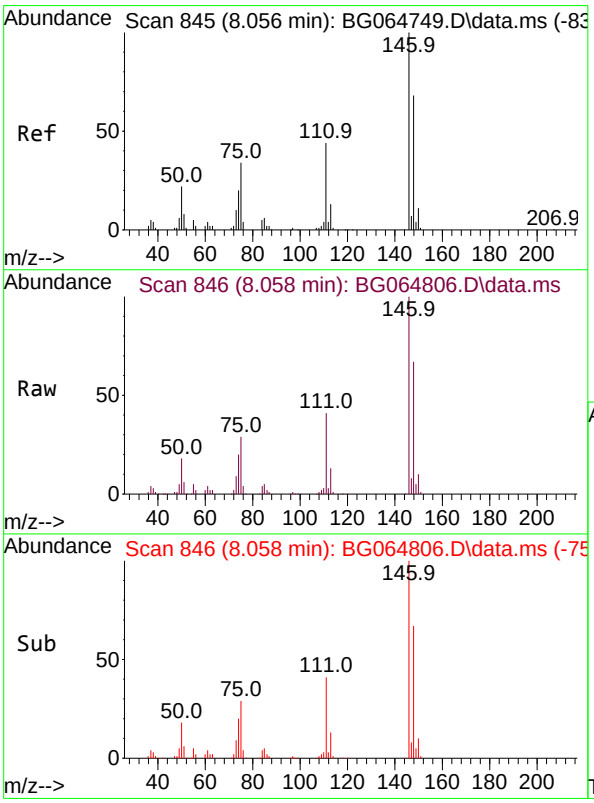
Ion	Ratio	Lower	Upper
93	100		
63	102.0	81.8	121.8
95	31.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

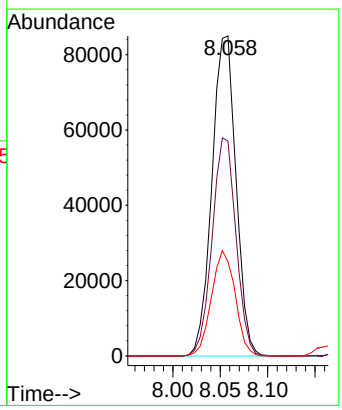
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

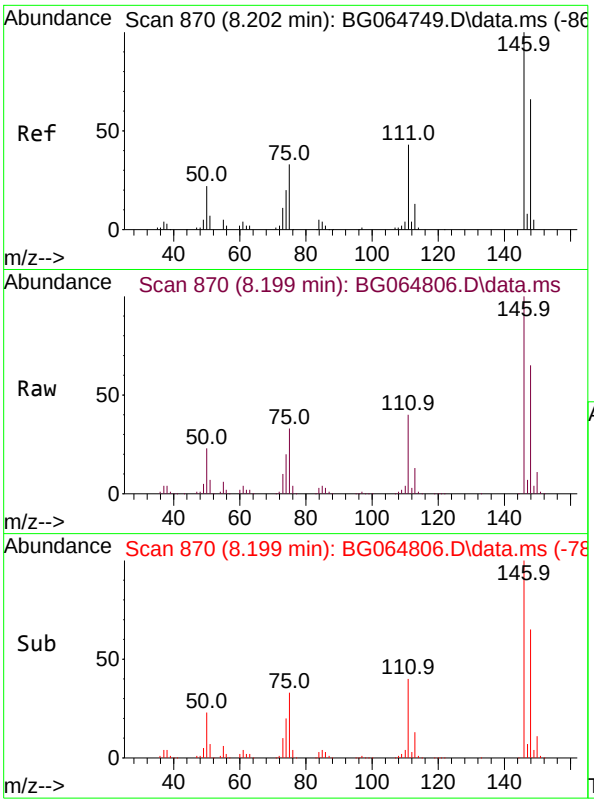


#12
1,3-Dichlorobenzene
Concen: 45.124 ng
RT: 8.058 min Scan# 846
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:146 Resp: 149728

Ion	Ratio	Lower	Upper
146	100		
148	67.2	54.6	82.0
75	29.4	27.6	41.4

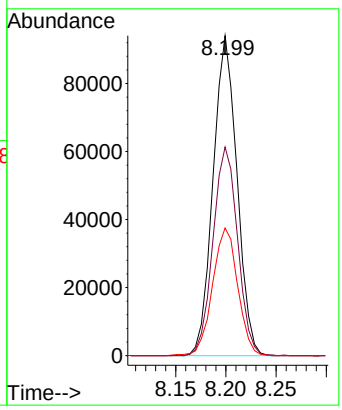




#13
1,4-Dichlorobenzene
Concen: 46.141 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:146 Resp: 15589

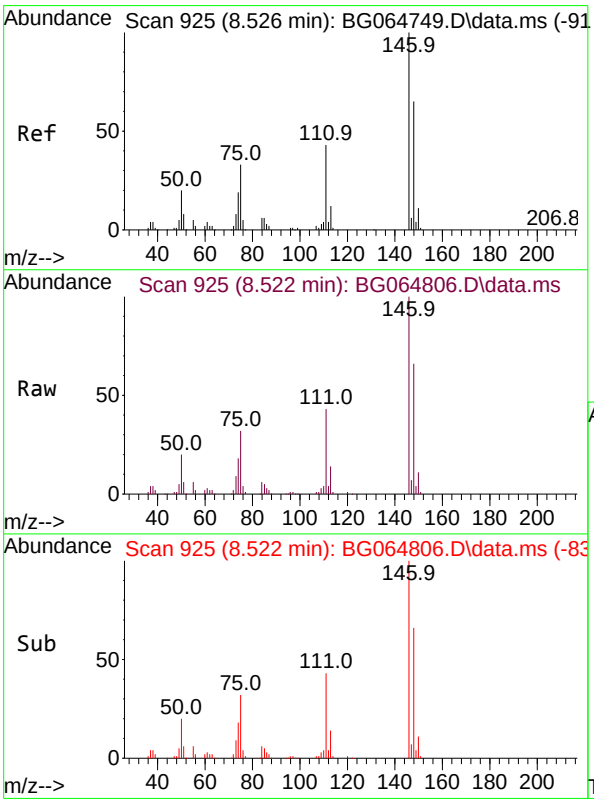
Ion	Ratio	Lower	Upper
146	100		
148	65.2	53.1	79.7
111	39.9	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

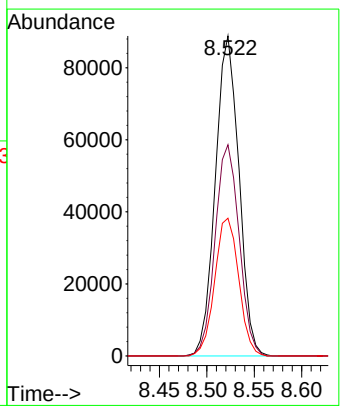
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

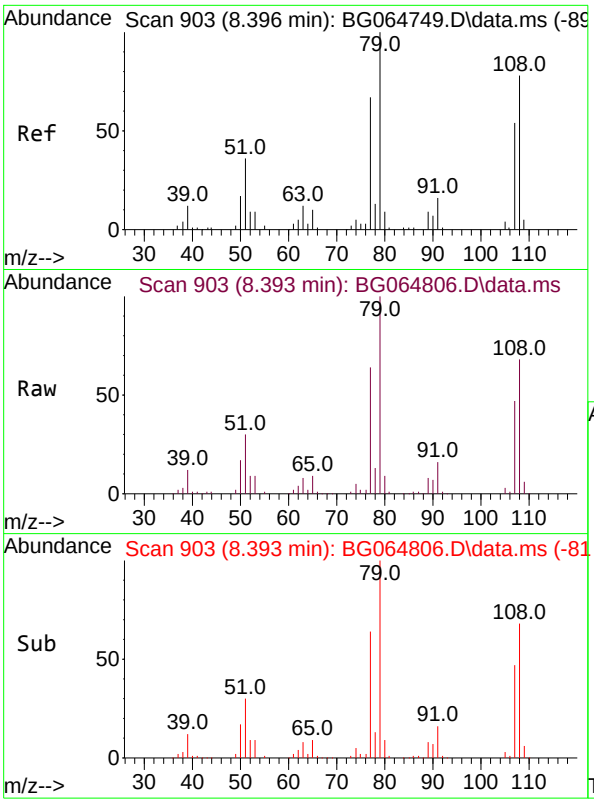


#14
1,2-Dichlorobenzene
Concen: 47.005 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:146 Resp: 153991

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.0	78.0
111	43.0	34.7	52.1





#15
Benzyl Alcohol
Concen: 47.526 ng
RT: 8.393 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

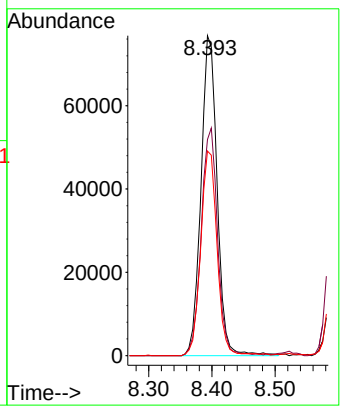
Tgt Ion: 79 Resp: 13626

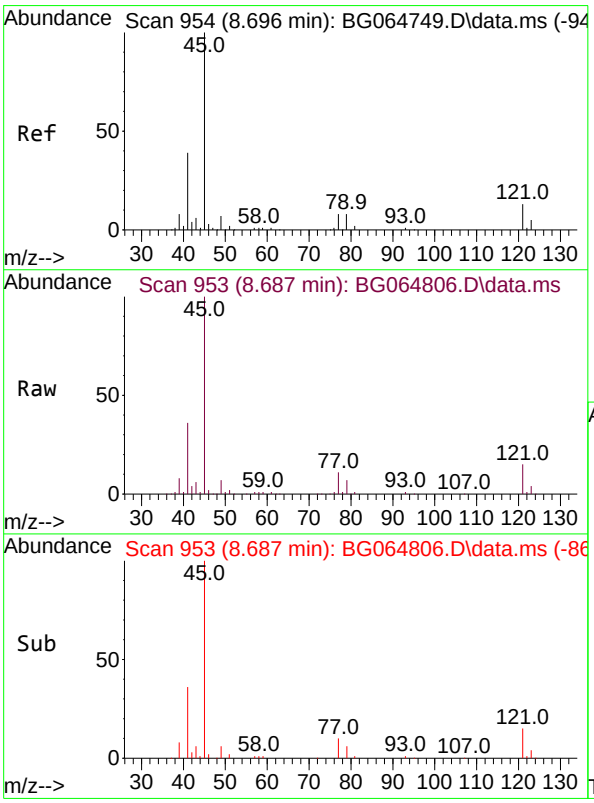
Ion	Ratio	Lower	Upper
79	100		
108	67.5	62.3	93.5
77	63.9	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

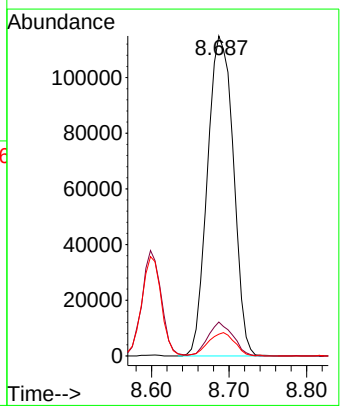


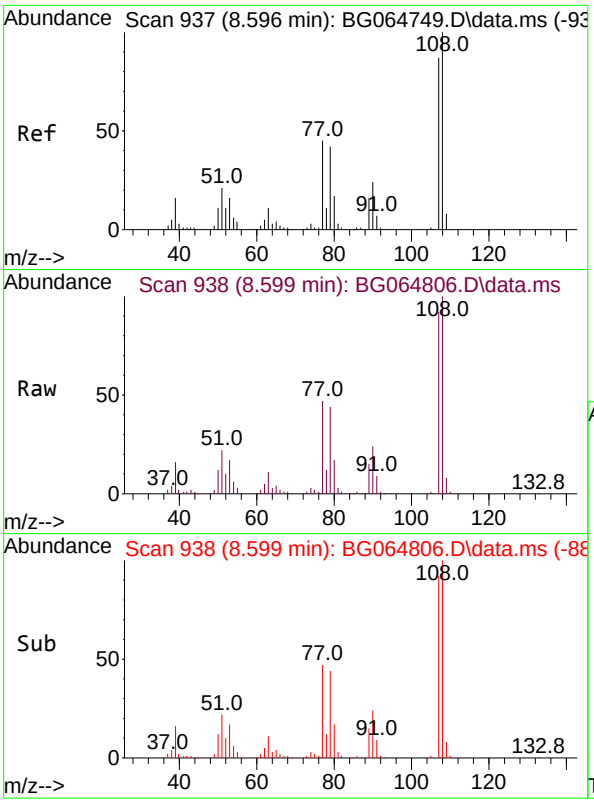


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.782 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 45 Resp: 267455

Ion	Ratio	Lower	Upper
45	100		
77	10.6	0.0	28.8
79	6.8	0.0	28.1

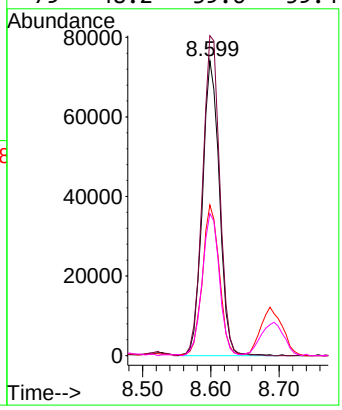




#17
2-Methylphenol
Concen: 47.669 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:107 Resp: 12818

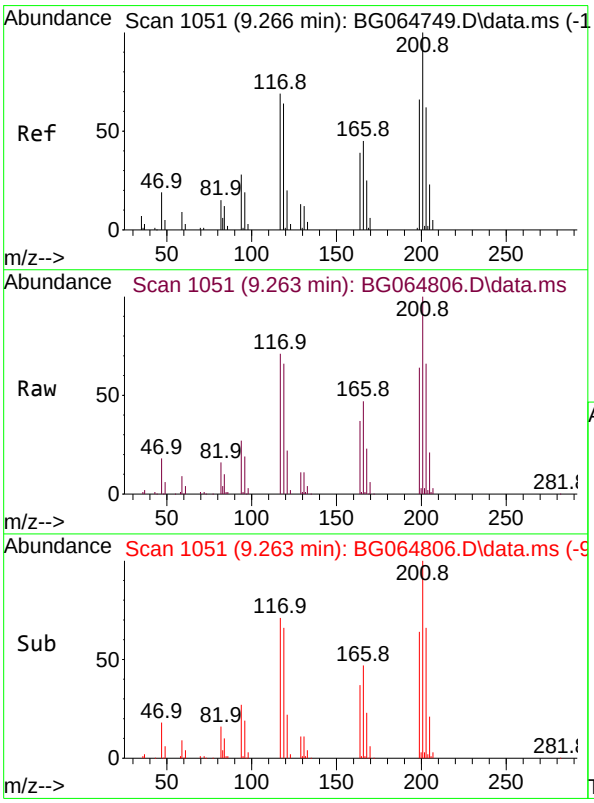
Ion	Ratio	Lower	Upper
107	100		
108	108.5	92.6	138.8
77	51.1	41.2	61.8
79	48.2	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

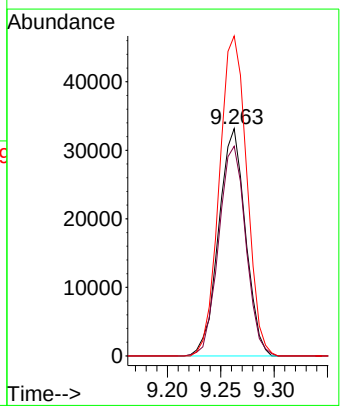
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

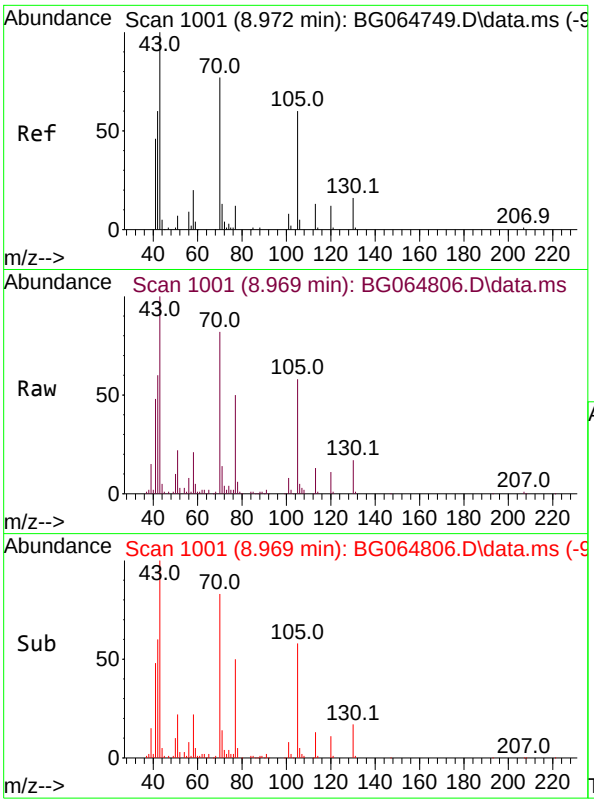


#18
Hexachloroethane
Concen: 45.238 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:117 Resp: 57891

Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.4	111.6
201	140.8	116.5	174.7

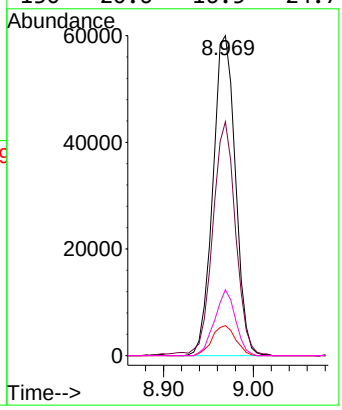




#19
n-Nitroso-di-n-propylamine
Concen: 44.236 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 70 Resp: 10447

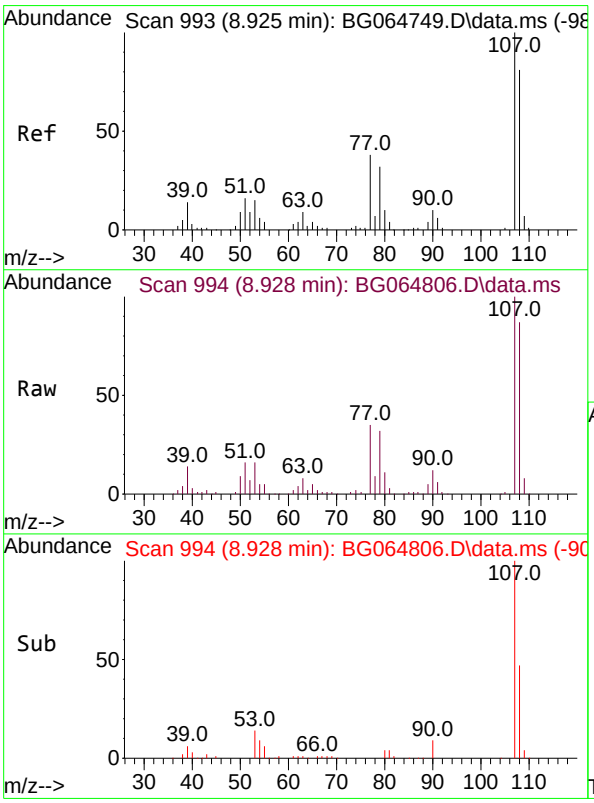
Ion	Ratio	Lower	Upper
70	100		
42	73.1	62.6	93.8
101	9.4	8.0	12.0
130	20.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

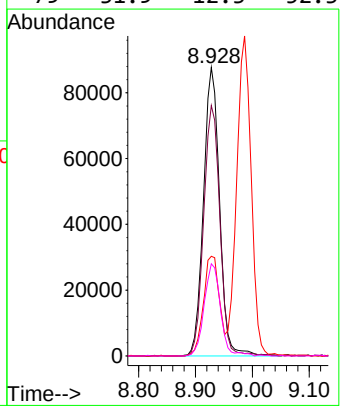
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

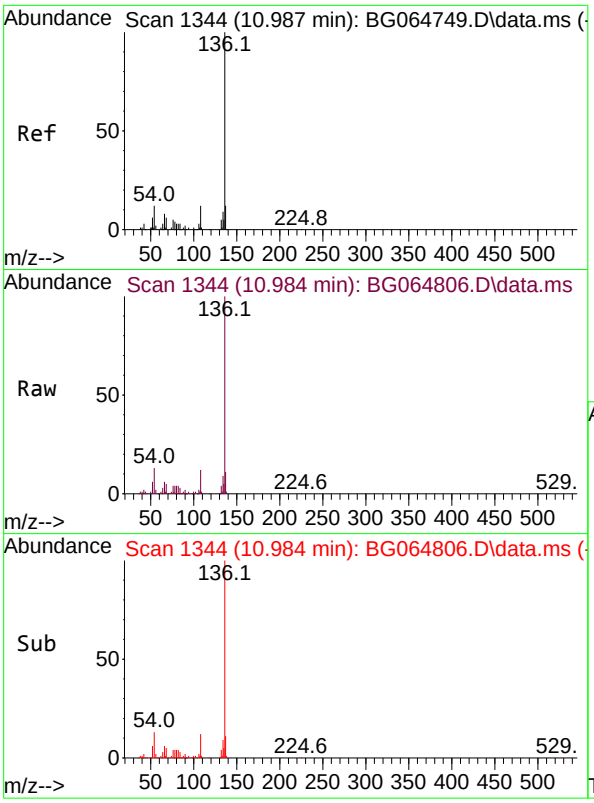


#20
3+4-Methylphenols
Concen: 46.779 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:107 Resp: 172329

Ion	Ratio	Lower	Upper
107	100		
108	86.8	61.0	101.0
77	34.6	17.6	57.6
79	31.9	12.3	52.3

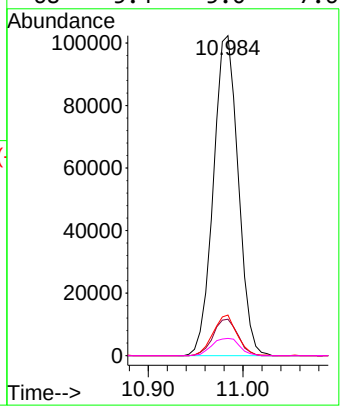




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:136 Resp: 18586

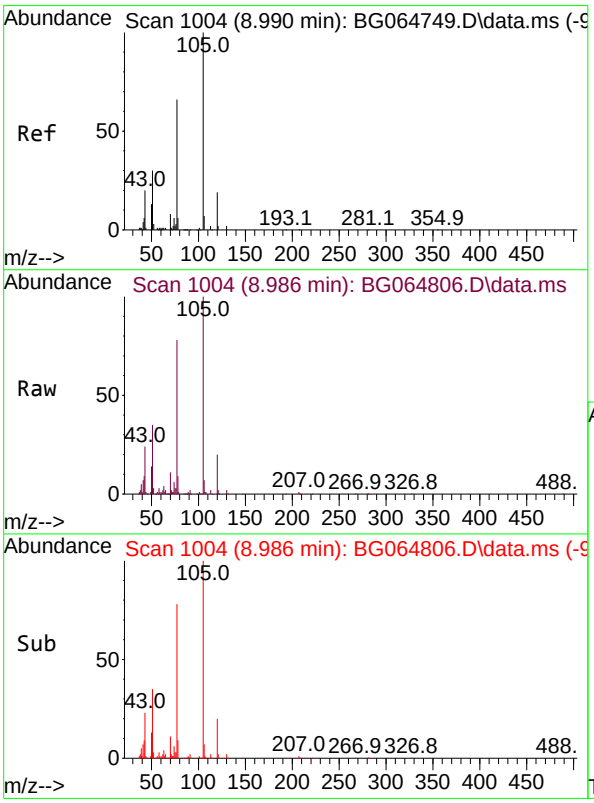
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	12.7	9.3	13.9
68	5.4	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

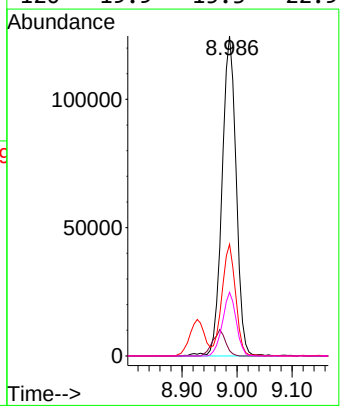
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

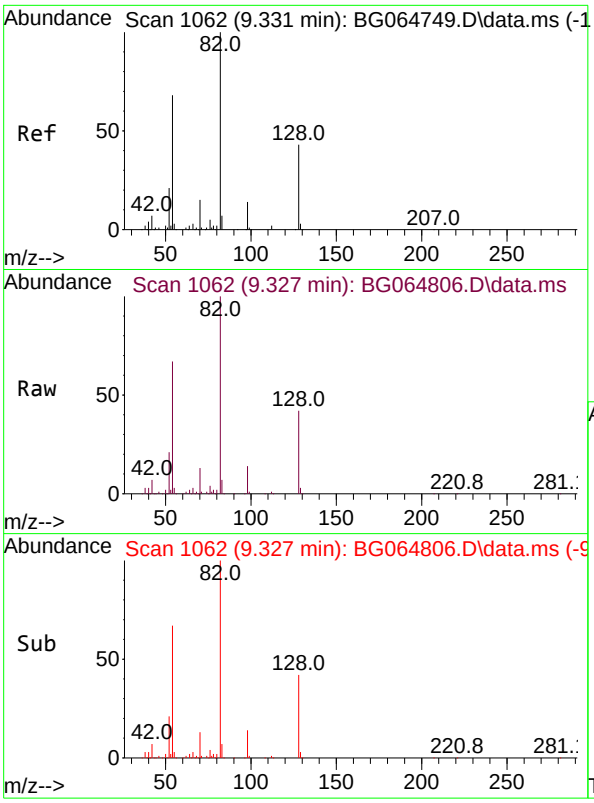


#22
Acetophenone
Concen: 43.855 ng
RT: 8.986 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:105 Resp: 222070

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.3	1.9
51	34.9	27.9	41.9
120	19.9	15.3	22.9

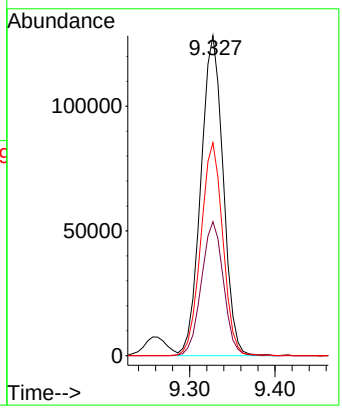




#23
Nitrobenzene-d5
Concen: 61.863 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 82 Resp: 23255

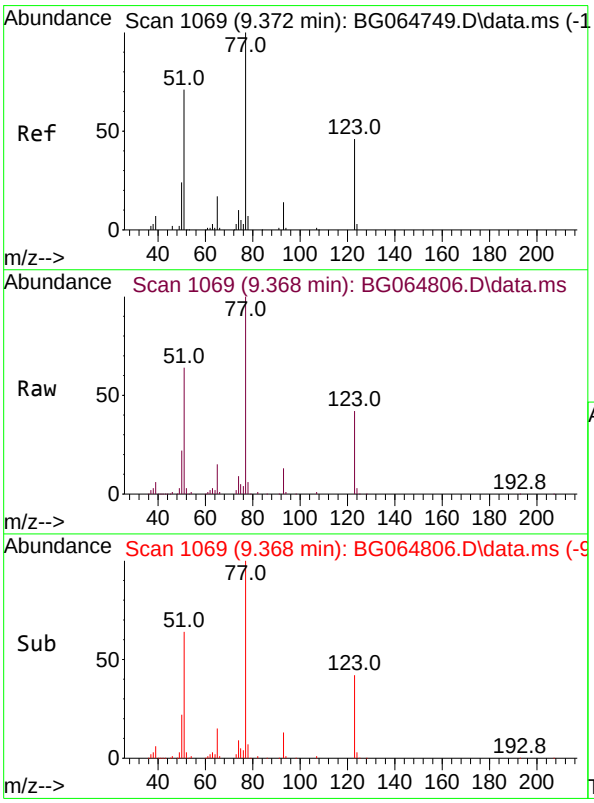
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.1	51.1
54	66.5	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

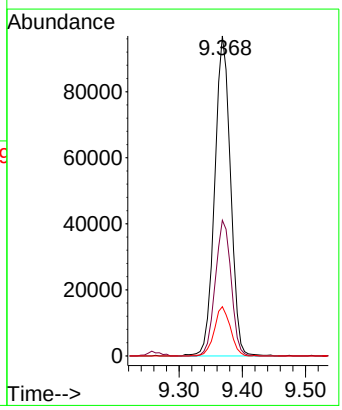
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

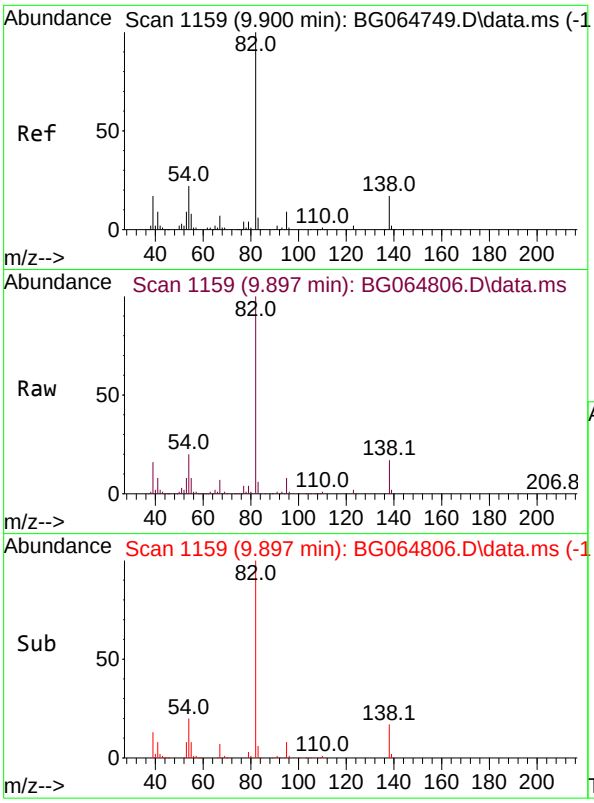


#24
Nitrobenzene
Concen: 44.387 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 77 Resp: 168595

Ion	Ratio	Lower	Upper
77	100		
123	42.4	36.5	54.7
65	15.4	13.5	20.3





#25
Isophorone
Concen: 42.505 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

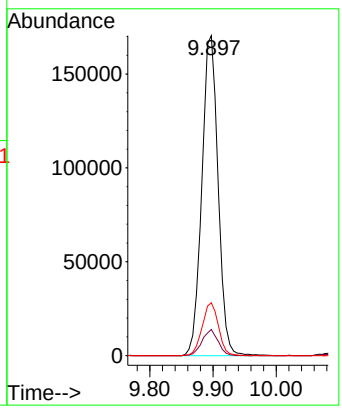
Tgt Ion: 82 Resp: 30427

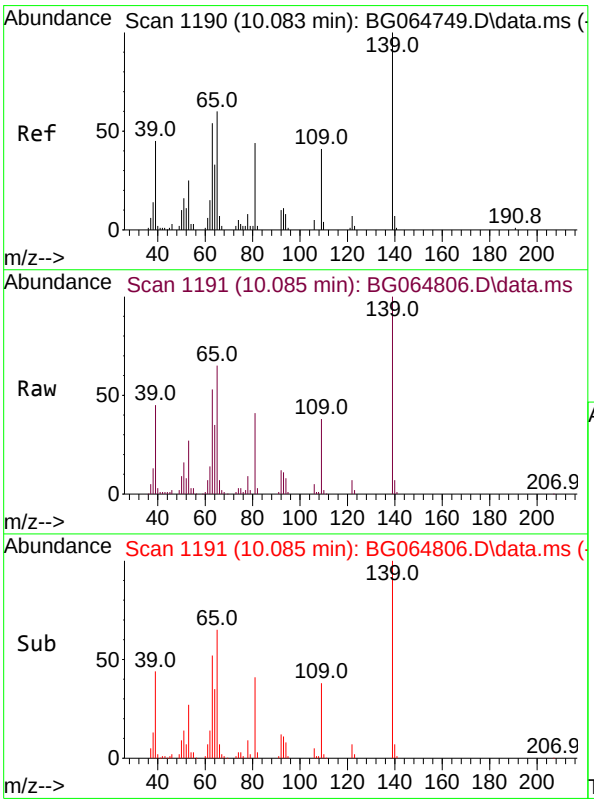
Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.9	10.3
138	16.5	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

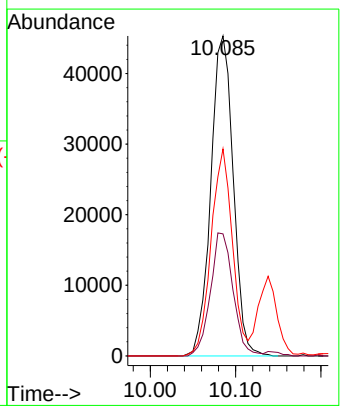


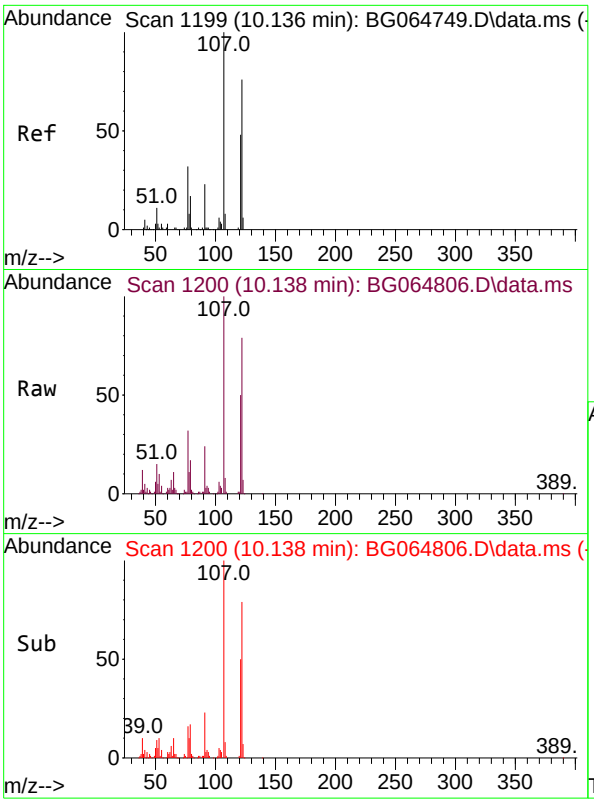


#26
2-Nitrophenol
Concen: 48.537 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:139 Resp: 82924

Ion	Ratio	Lower	Upper
139	100		
109	38.2	32.5	48.7
65	64.7	47.6	71.4

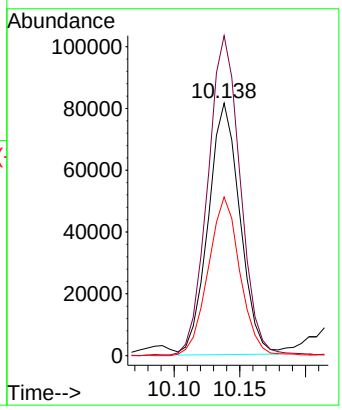




#27
2,4-Dimethylphenol
Concen: 45.158 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:122 Resp: 13706

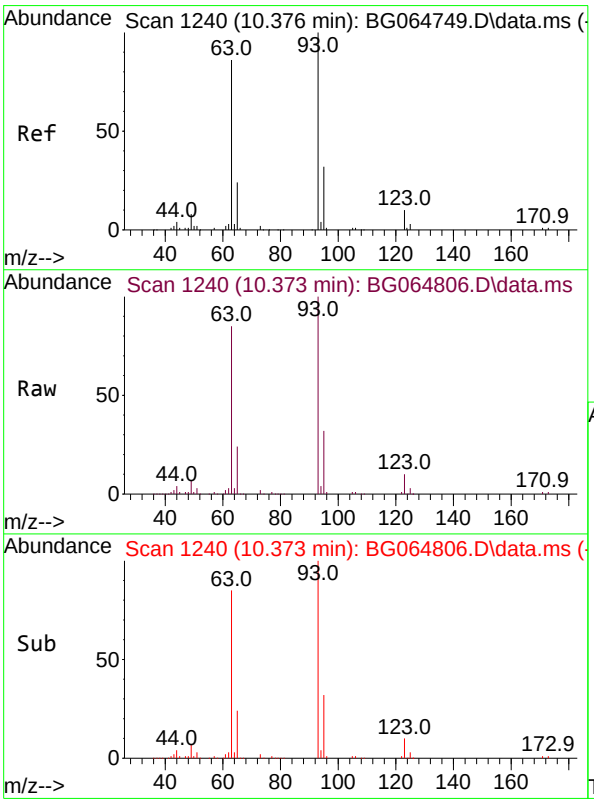
Ion	Ratio	Lower	Upper
122	100		
107	126.8	102.5	153.7
121	62.9	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

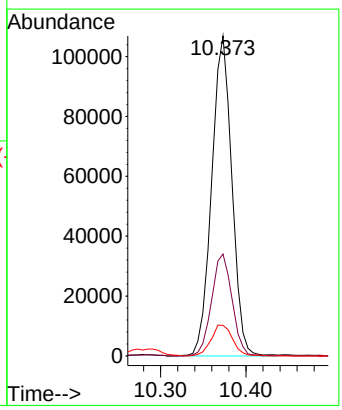
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

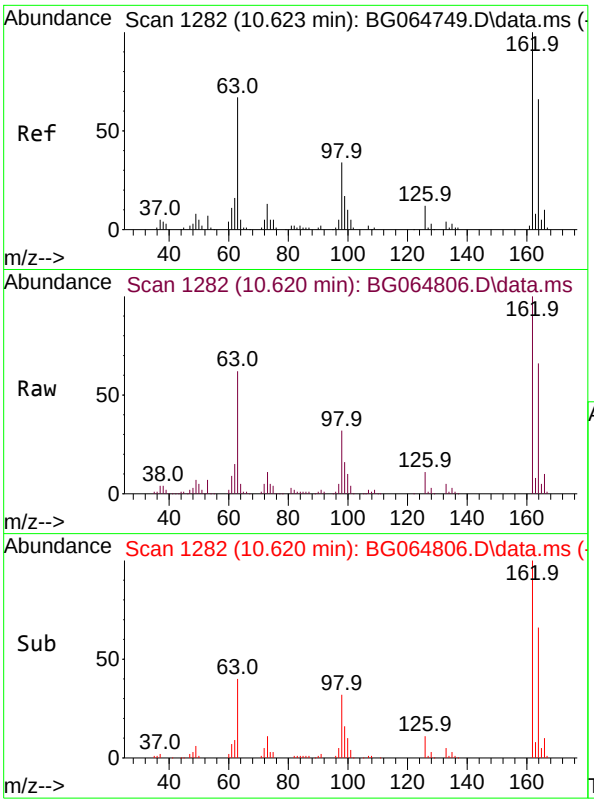


#28
bis(2-Chloroethoxy)methane
Concen: 44.731 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 93 Resp: 175795

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	9.5	8.1	12.1

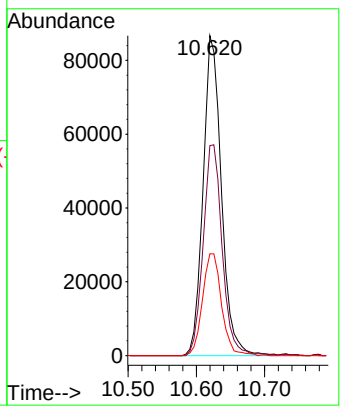




#29
2,4-Dichlorophenol
Concen: 49.677 ng
RT: 10.620 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:162 Resp: 16187

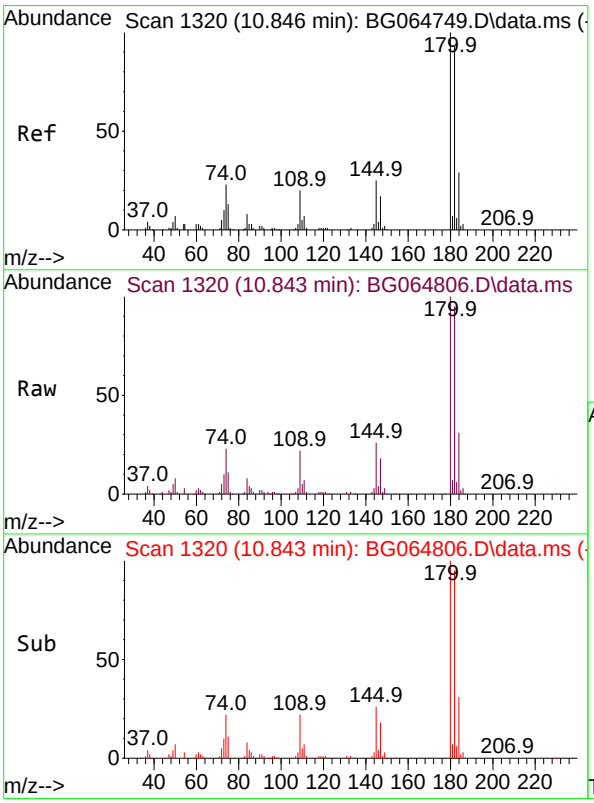
Ion	Ratio	Lower	Upper
162	100		
164	65.6	46.0	86.0
98	31.8	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

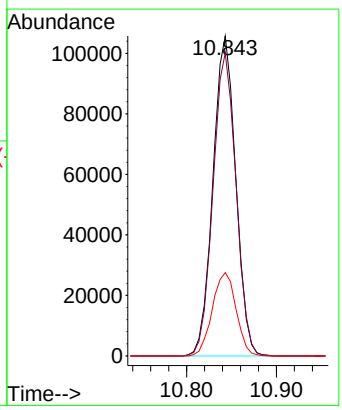
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

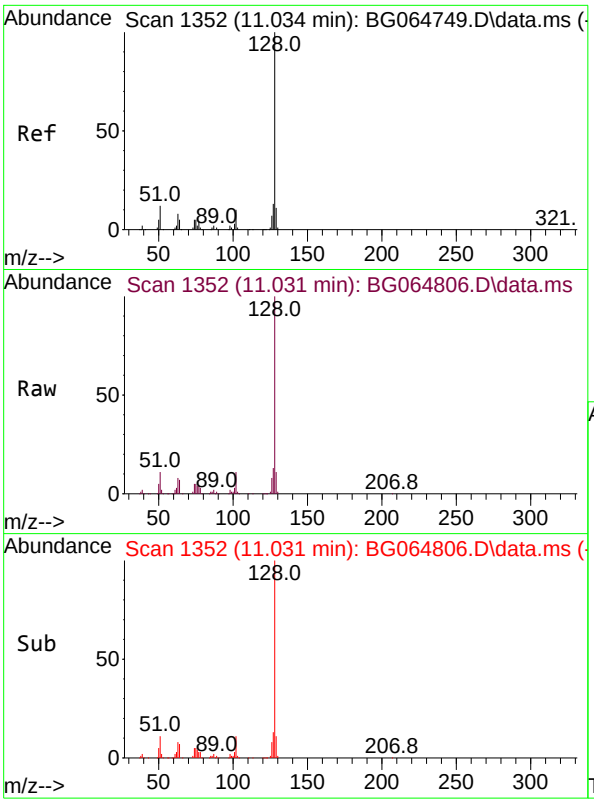


#30
1,2,4-Trichlorobenzene
Concen: 47.477 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:180 Resp: 186815

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.2	111.4
145	26.0	20.0	30.0

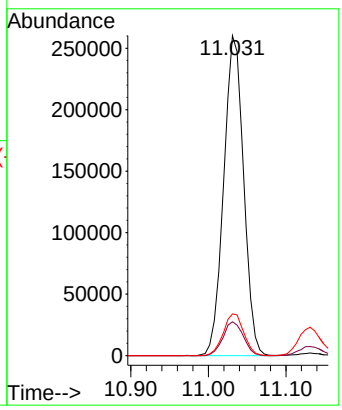




#31
Naphthalene
Concen: 44.122 ng
RT: 11.031 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:128 Resp: 46487

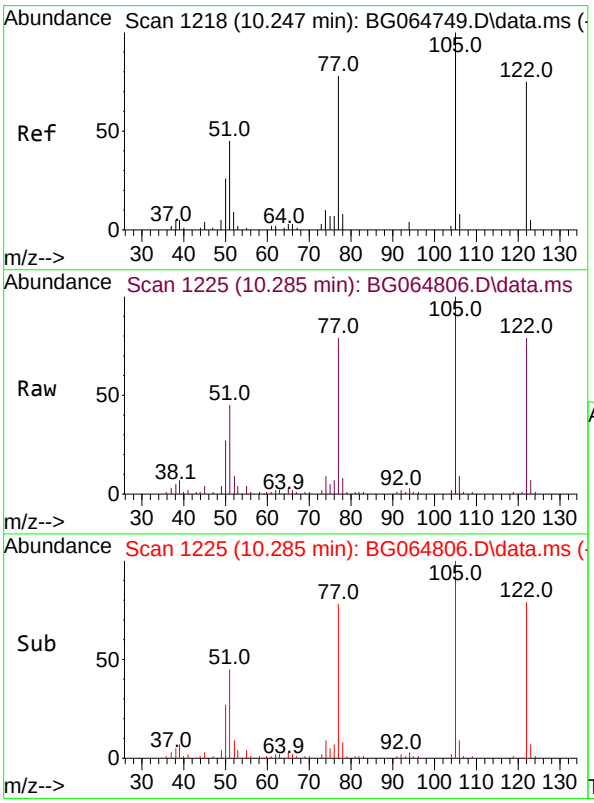
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.1	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

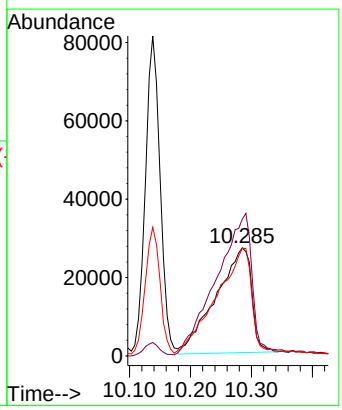
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

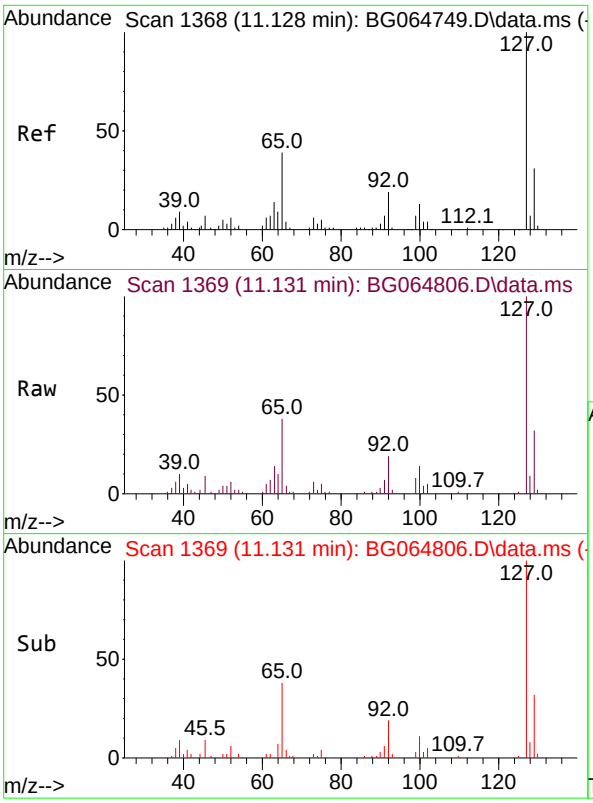


#32
Benzoic acid
Concen: 50.446 ng
RT: 10.285 min Scan# 1225
Delta R.T. 0.038 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:122 Resp: 108794

Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.6	147.6
77	99.7	82.5	122.5

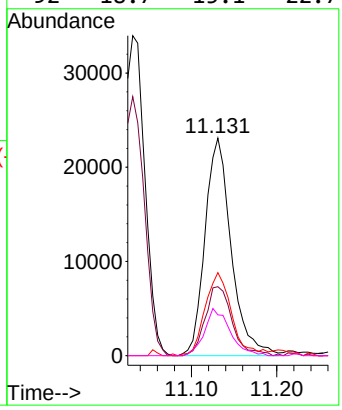




#33
4-Chloroaniline
Concen: 11.700 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:127 Resp: 4931

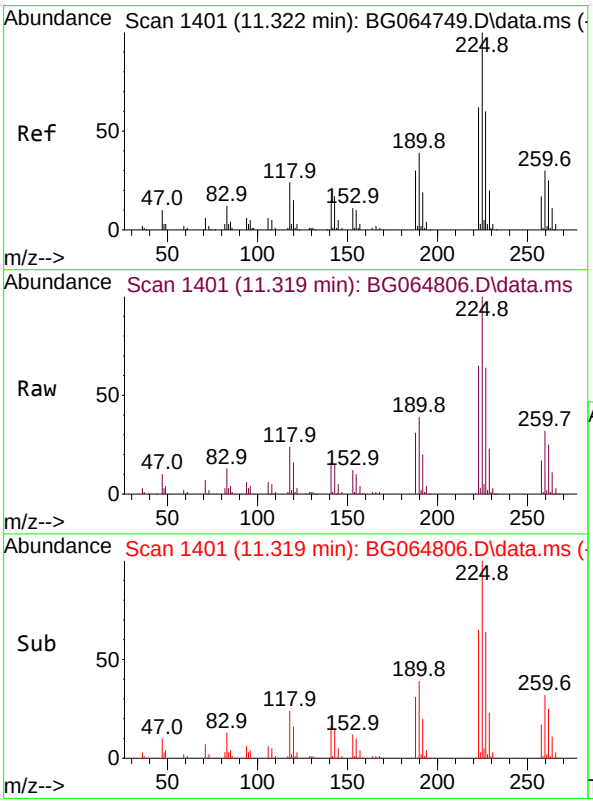
Ion	Ratio	Lower	Upper
127	100		
129	31.7	24.9	37.3
65	38.2	30.9	46.3
92	18.7	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

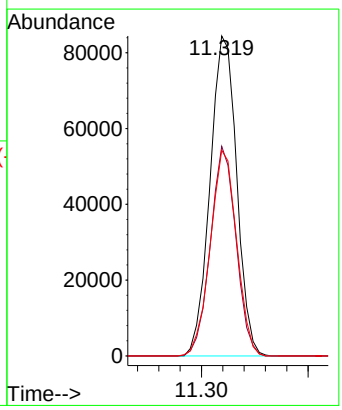
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

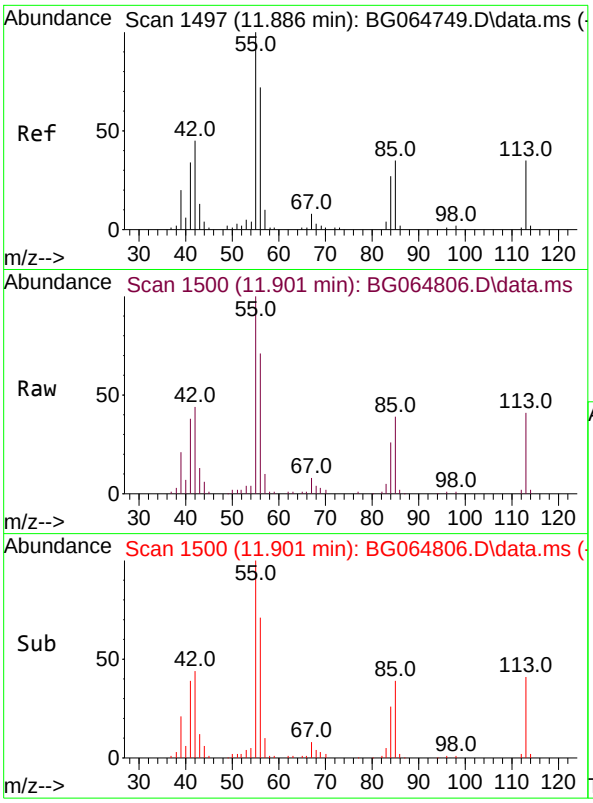


#34
Hexachlorobutadiene
Concen: 43.465 ng
RT: 11.319 min Scan# 1401
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:225 Resp: 146746

Ion	Ratio	Lower	Upper
225	100		
223	65.5	49.9	74.9
227	64.2	50.6	75.8

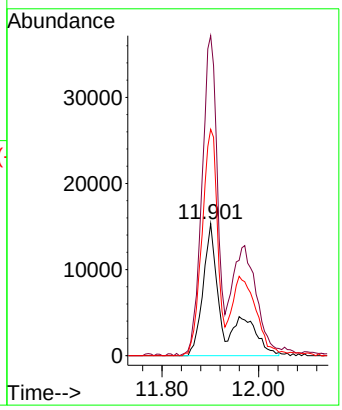




#35
Caprolactam
Concen: 47.495 ng m
RT: 11.901 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:113 Resp: 4629

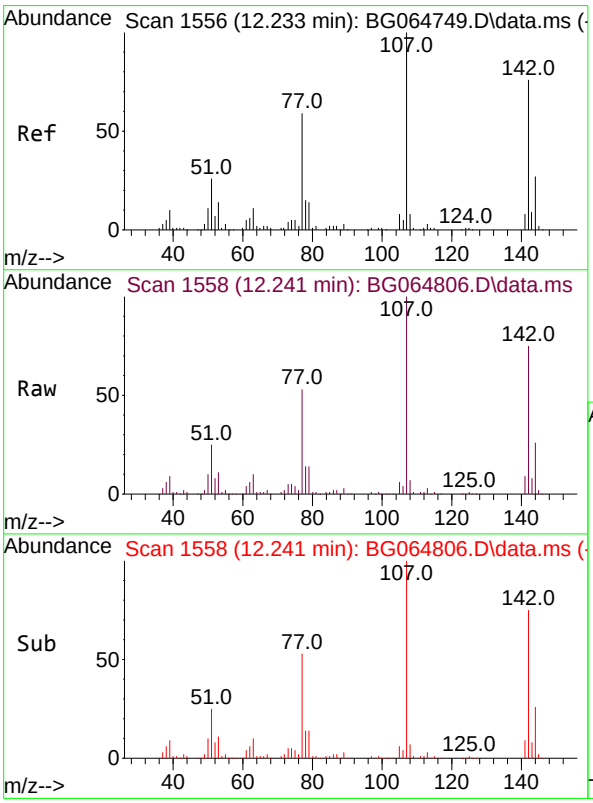
Ion	Ratio	Lower	Upper
113	100		
55	242.6	263.7	303.7#
56	171.6	184.0	224.0#



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

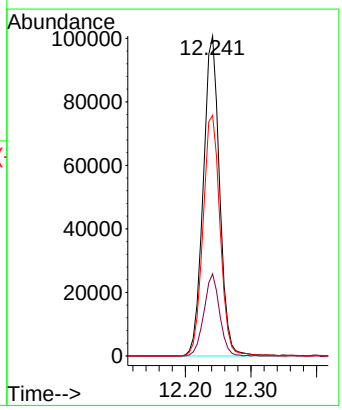
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

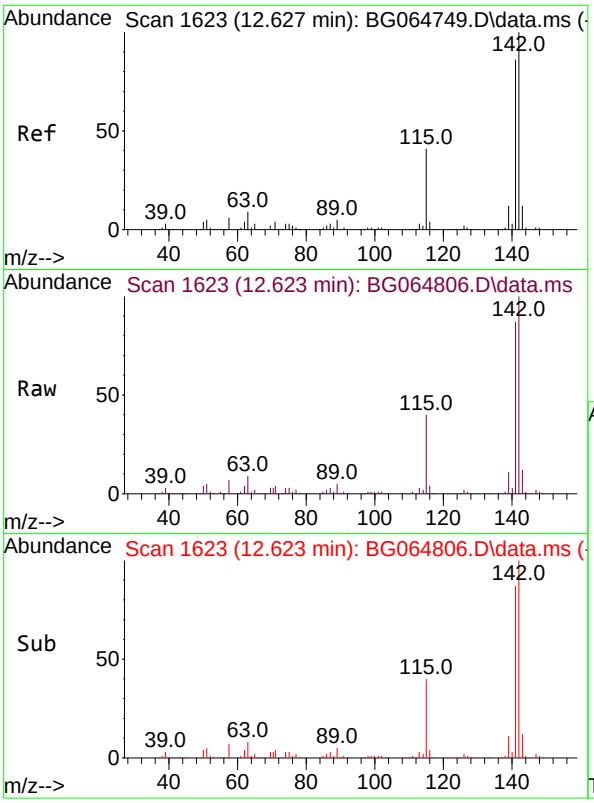


#36
4-Chloro-3-methylphenol
Concen: 47.800 ng
RT: 12.241 min Scan# 1558
Delta R.T. 0.008 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:107 Resp: 173370

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.7	32.5
142	75.2	60.8	91.2





#37
2-Methylnaphthalene
Concen: 40.667 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

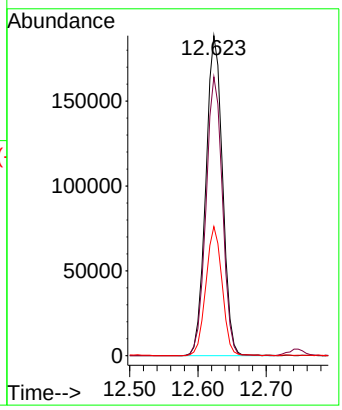
Tgt Ion:142 Resp: 32064

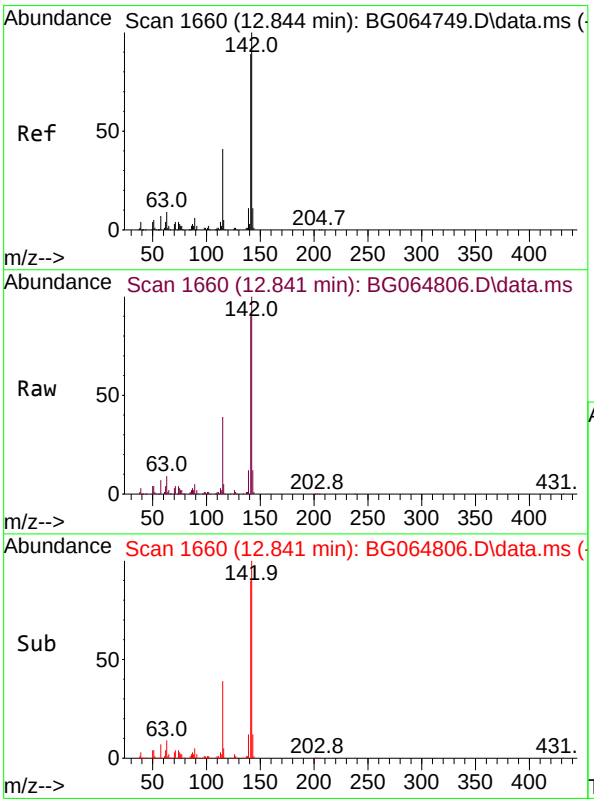
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.1	103.7
115	40.3	32.9	49.3

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

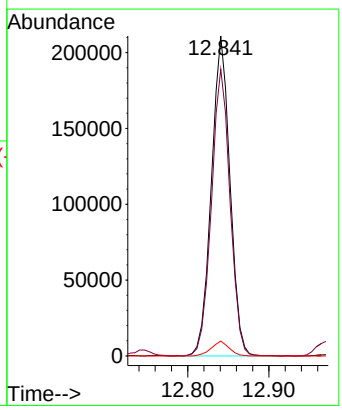


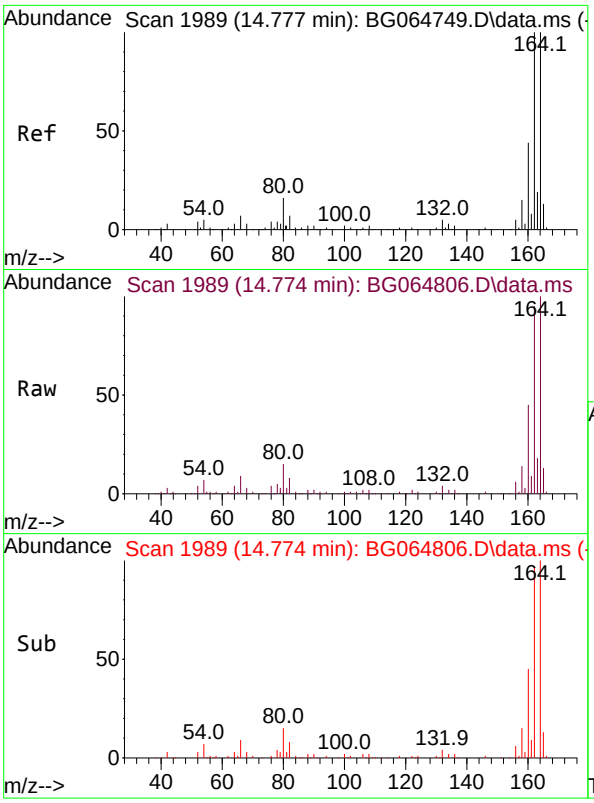


#38
1-Methylnaphthalene
Concen: 42.749 ng
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:142 Resp: 334820

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
116	4.6	3.7	5.5

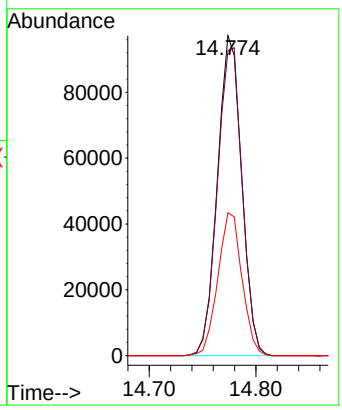




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:164 Resp: 15371

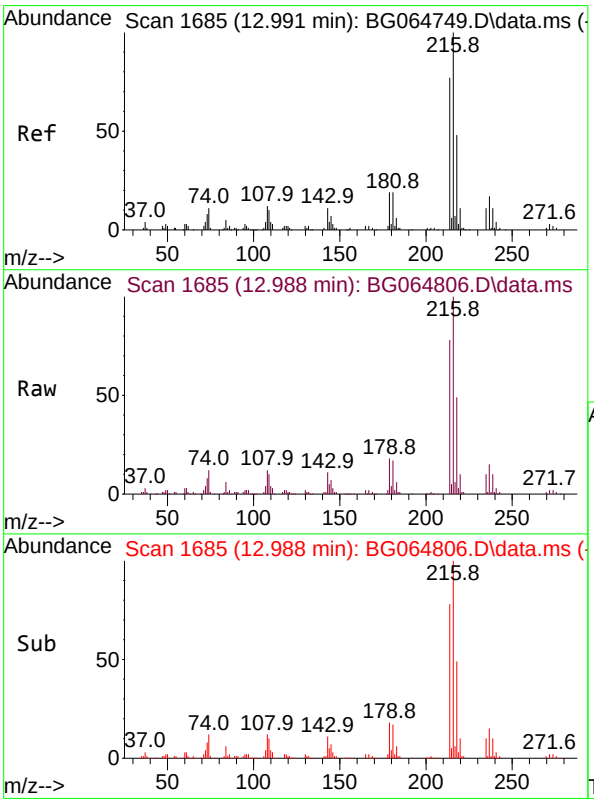
Ion	Ratio	Lower	Upper
164	100		
162	95.3	79.8	119.6
160	44.6	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

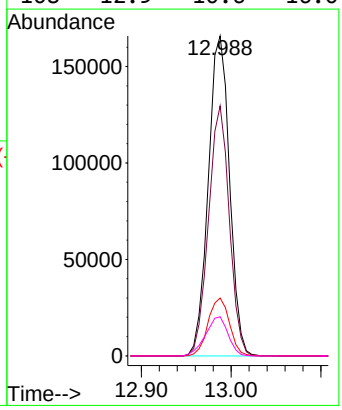
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

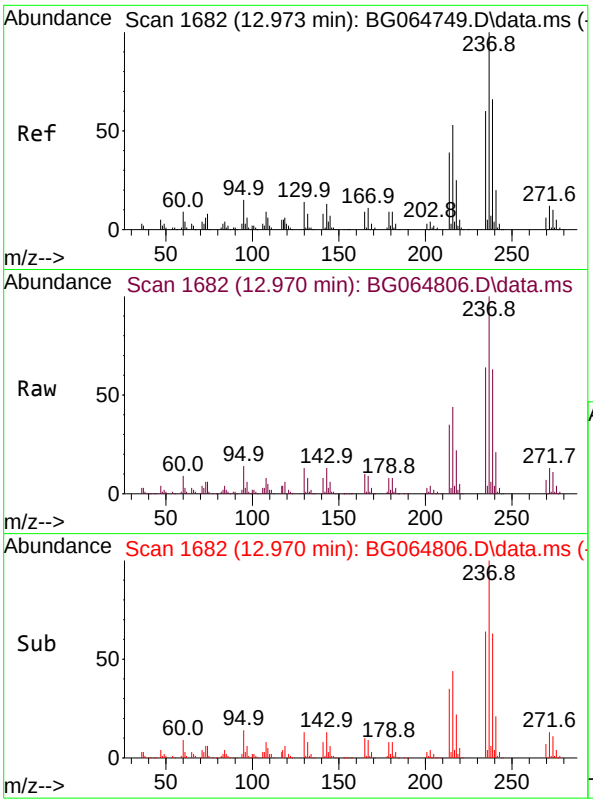


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.656 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:216 Resp: 273123

Ion	Ratio	Lower	Upper
216	100		
214	76.4	60.5	90.7
179	18.2	14.7	22.1
108	12.9	10.6	16.0

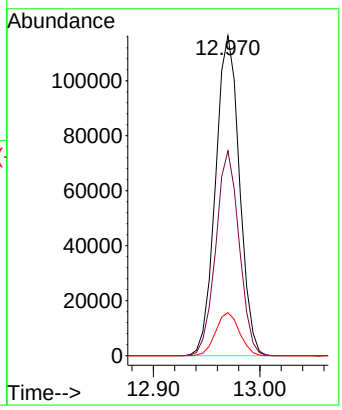




#41
Hexachlorocyclopentadiene
Concen: 42.342 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:237 Resp: 18155

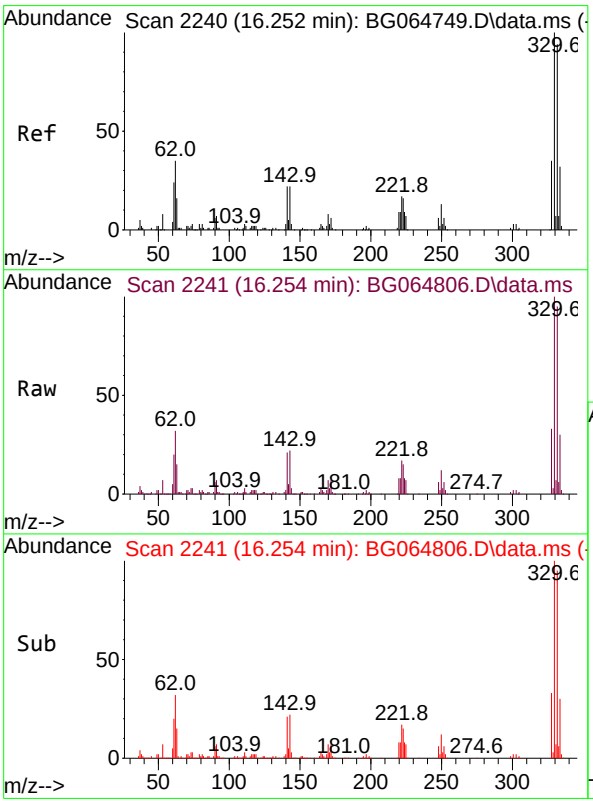
Ion	Ratio	Lower	Upper
237	100		
235	64.0	40.2	80.2
272	13.4	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

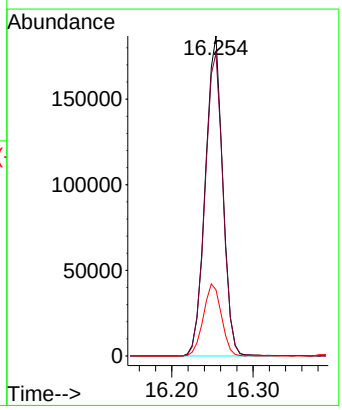
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

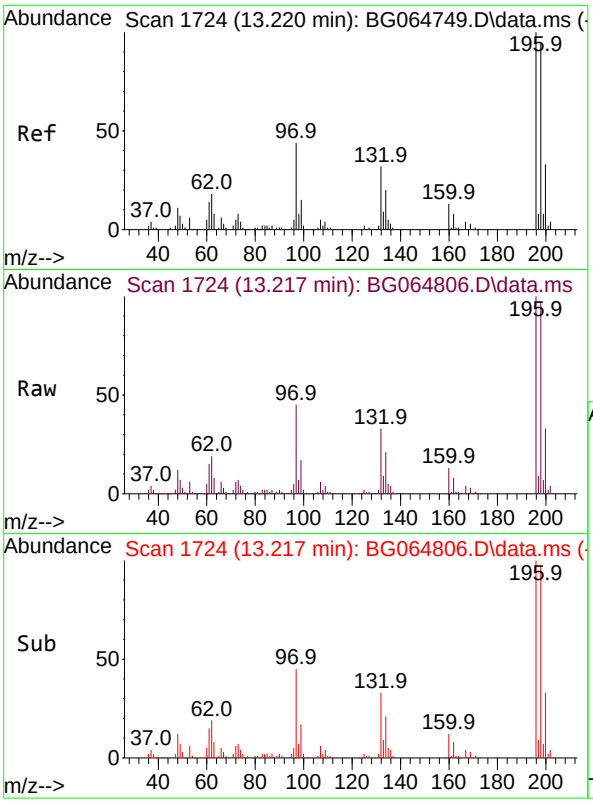


#42
2,4,6-Tribromophenol
Concen: 92.961 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:330 Resp: 278694

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	23.3	18.2	27.2

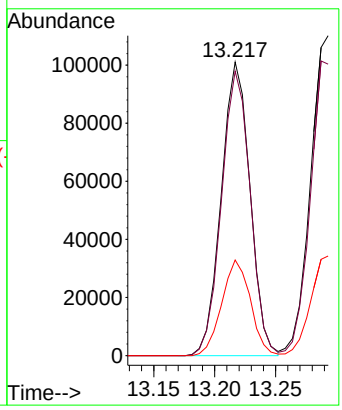




#43
2,4,6-Trichlorophenol
Concen: 47.210 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:196 Resp: 16575

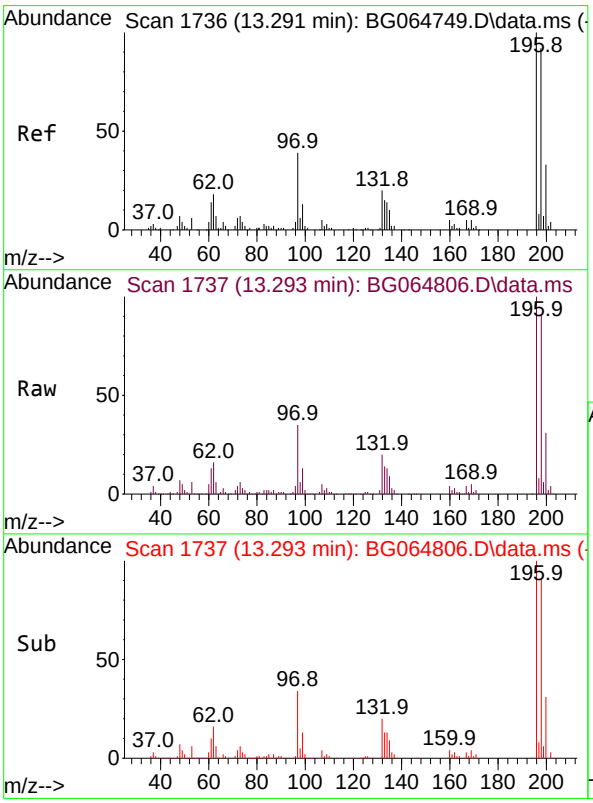
Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.3	112.9
200	32.6	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

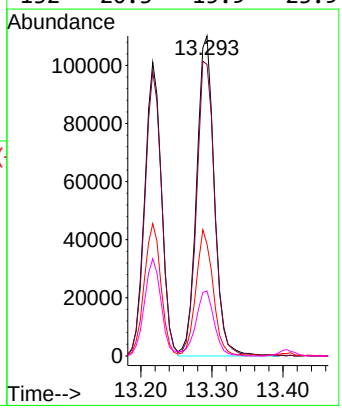
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

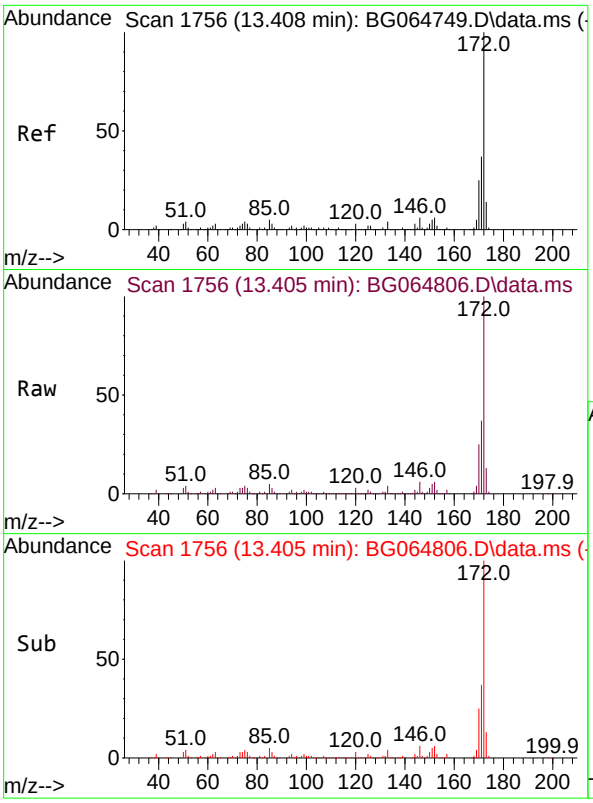


#44
2,4,5-Trichlorophenol
Concen: 48.171 ng
RT: 13.293 min Scan# 1737
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:196 Resp: 189692

Ion	Ratio	Lower	Upper
196	100		
198	91.1	73.2	109.8
97	34.9	31.4	47.0
132	20.3	15.9	23.9

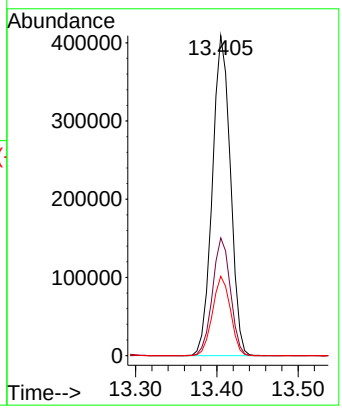




#45
2-Fluorobiphenyl
Concen: 57.298 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:172 Resp: 63122

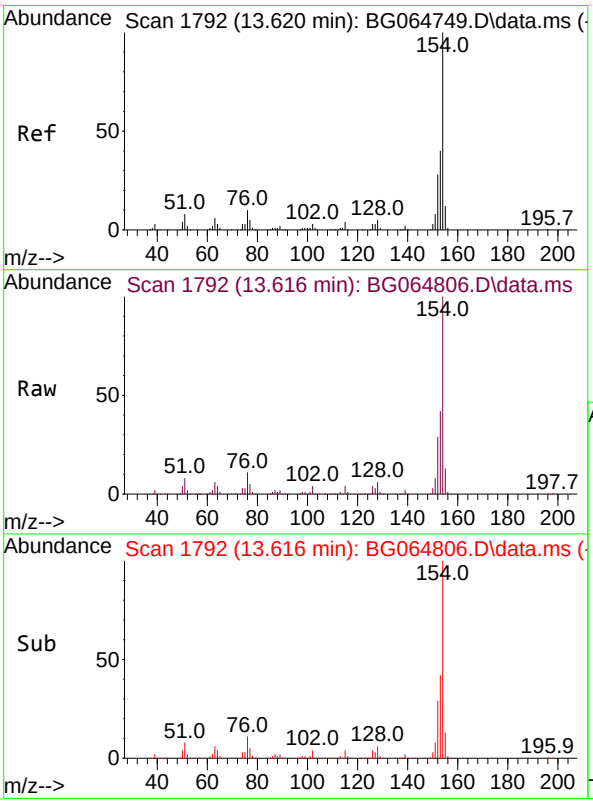
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.8	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

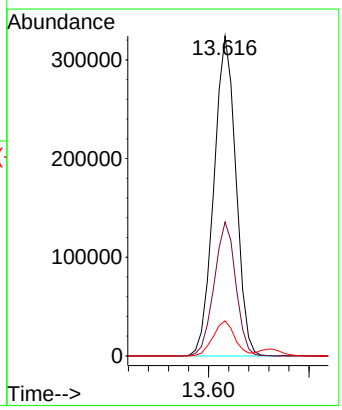
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

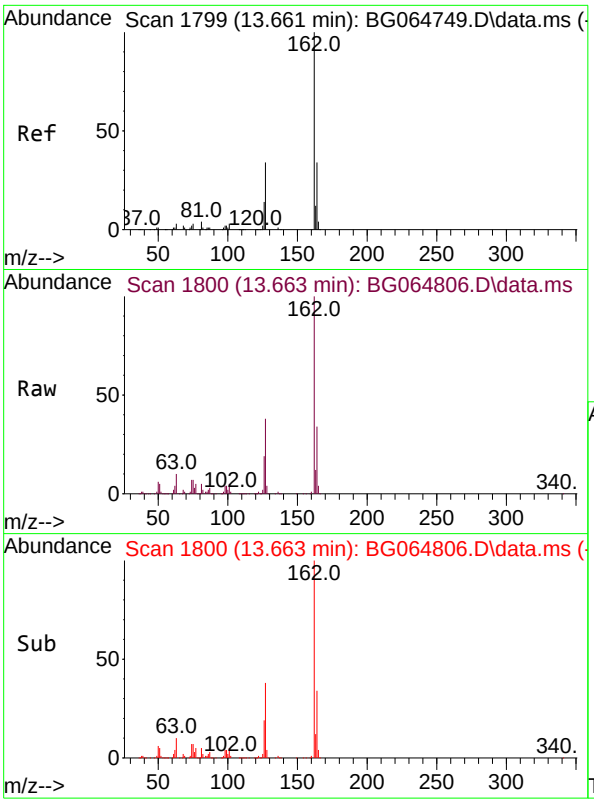


#46
1,1'-Biphenyl
Concen: 44.740 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:154 Resp: 493951

Ion	Ratio	Lower	Upper
154	100		
153	41.8	19.8	59.8
76	10.9	0.0	30.0

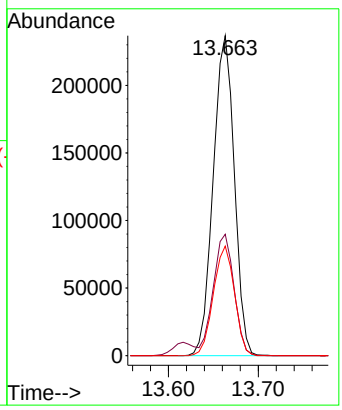




#47
2-Chloronaphthalene
Concen: 44.601 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:162 Resp: 38793

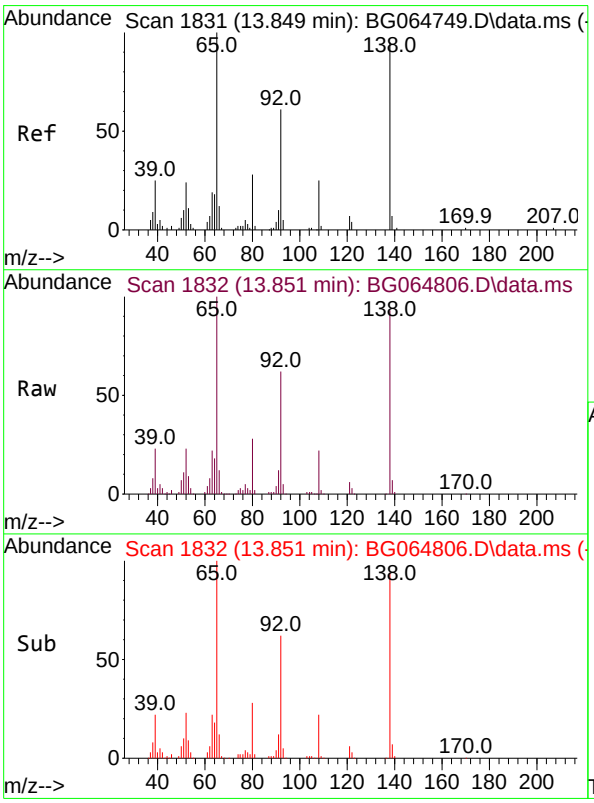
Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.3	45.5
164	34.3	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

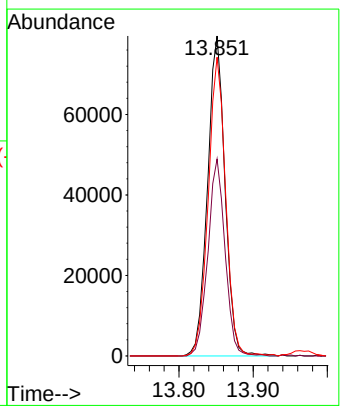
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

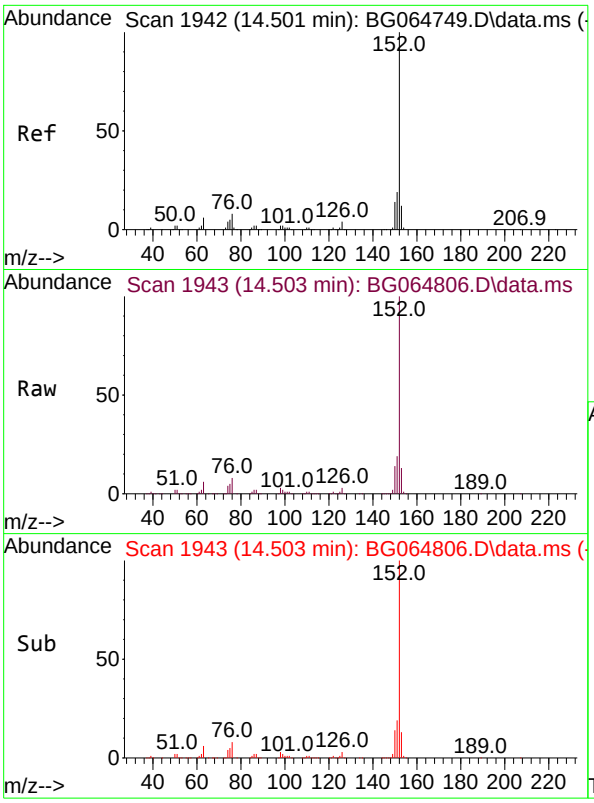


#48
2-Nitroaniline
Concen: 46.542 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 65 Resp: 130207

Ion	Ratio	Lower	Upper
65	100		
92	61.5	48.6	73.0
138	93.4	76.4	114.6

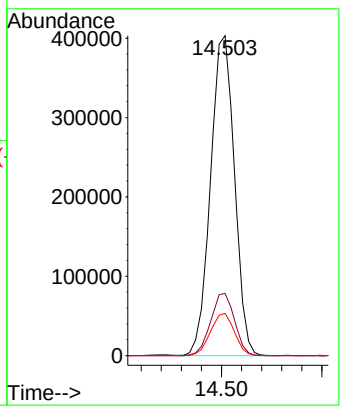




#49
Acenaphthylene
Concen: 45.005 ng
RT: 14.503 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:152 Resp: 66876

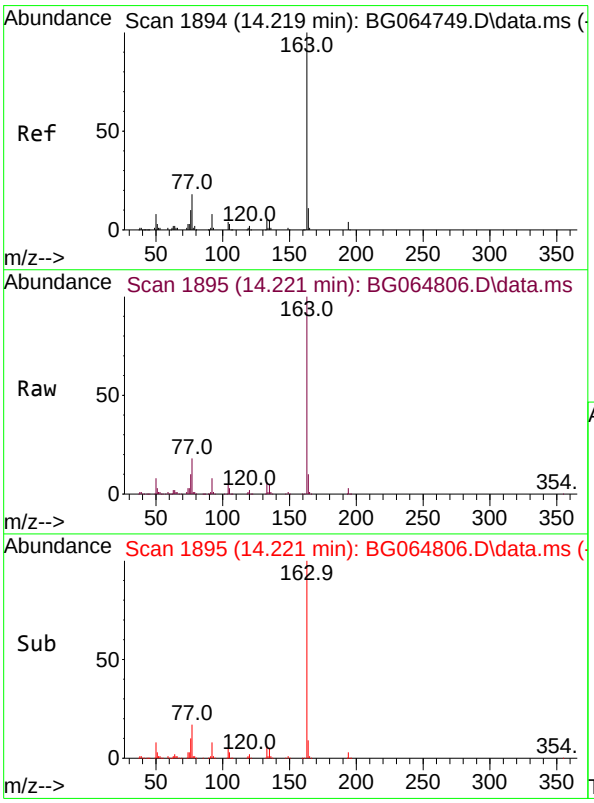
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.4
153	13.2	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

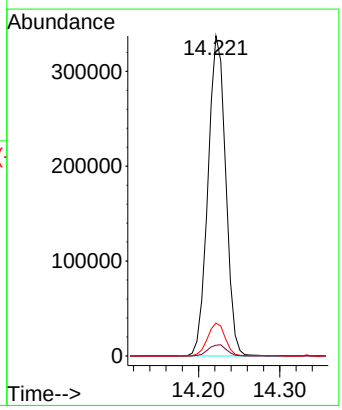
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

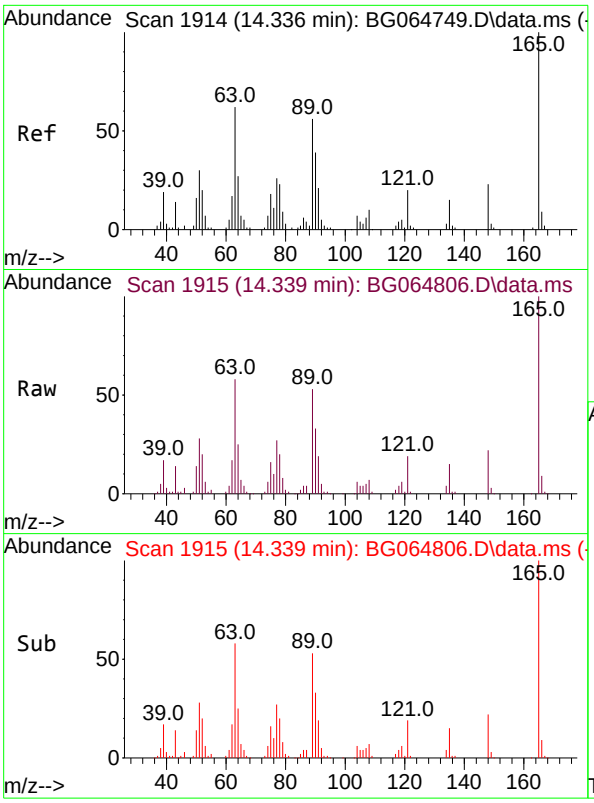


#50
Dimethylphthalate
Concen: 42.060 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:163 Resp: 510718

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.1	4.7
164	10.2	8.6	12.8

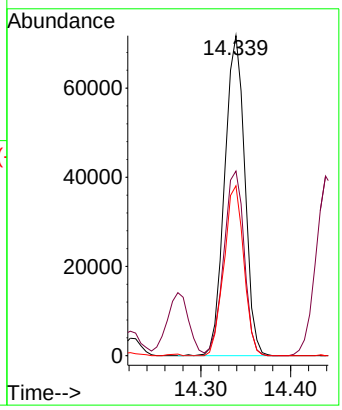




#51
2,6-Dinitrotoluene
Concen: 47.913 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:165 Resp: 11195

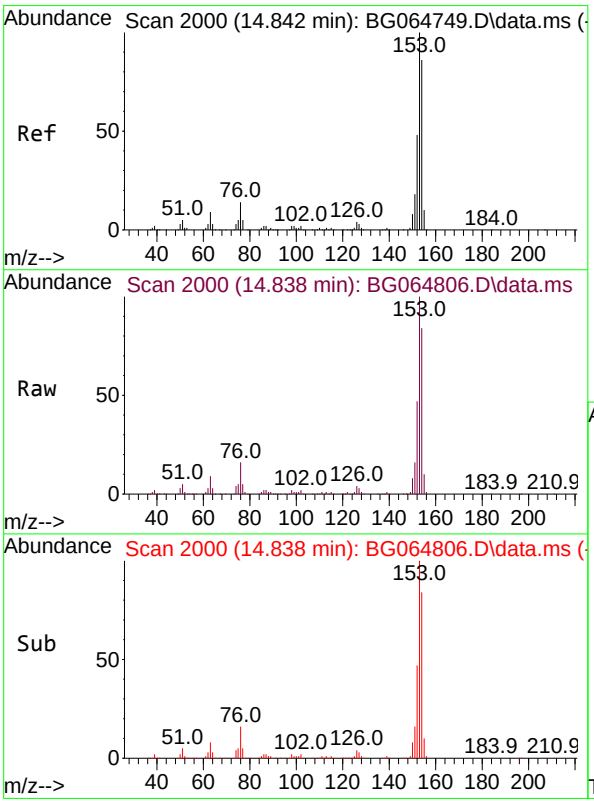
Ion	Ratio	Lower	Upper
165	100		
63	57.7	49.8	74.8
89	53.1	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

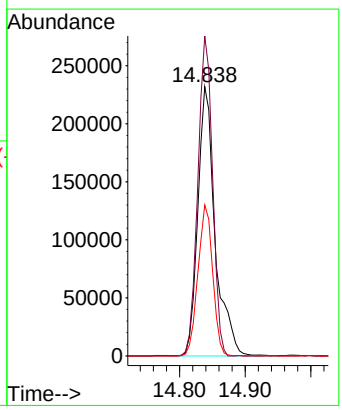
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

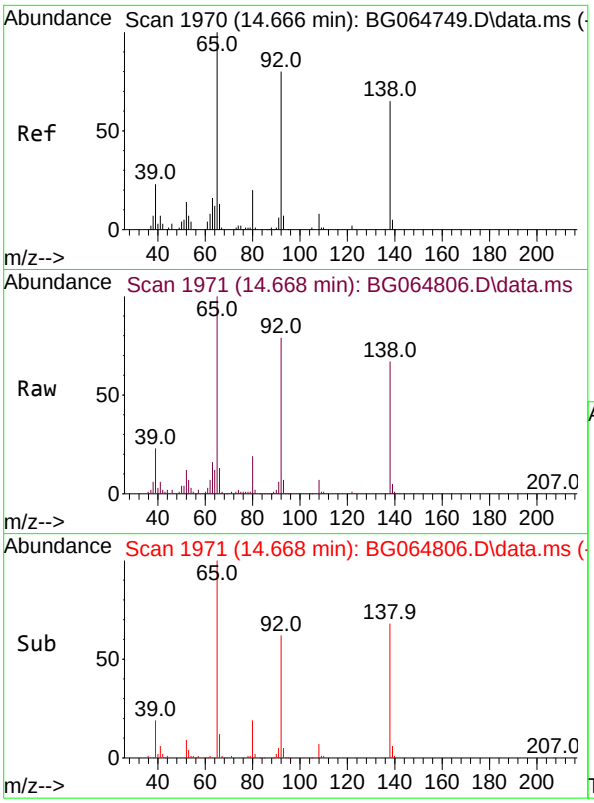


#52
Acenaphthene
Concen: 47.593 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:154 Resp: 424042

Ion	Ratio	Lower	Upper
154	100		
153	118.8	93.0	139.4
152	56.0	44.4	66.6





#53
3-Nitroaniline
Concen: 28.758 ng
RT: 14.668 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

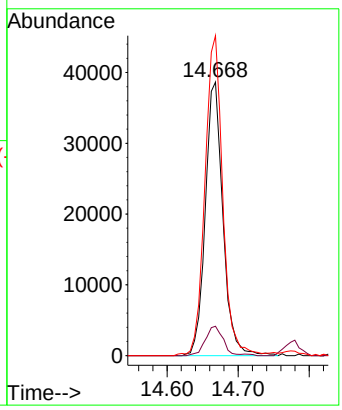
Tgt Ion:138 Resp: 6632

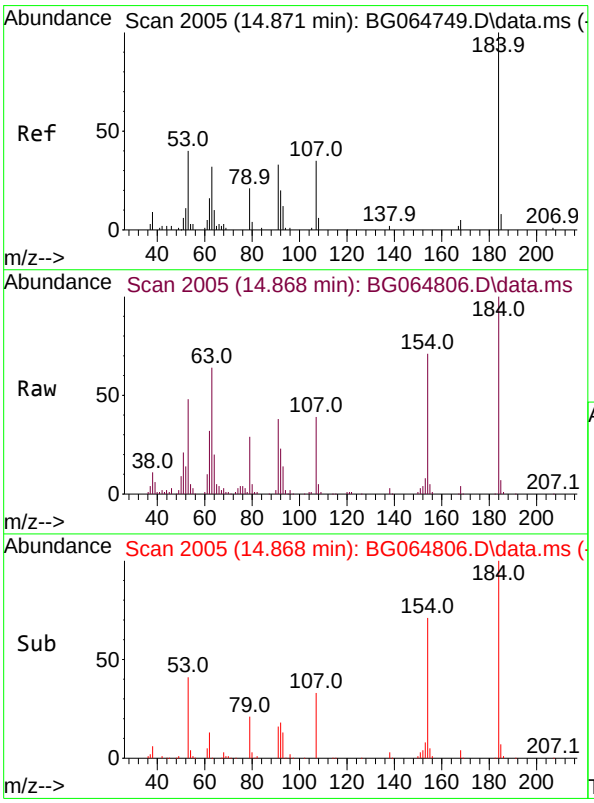
Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.5	14.3
92	117.0	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

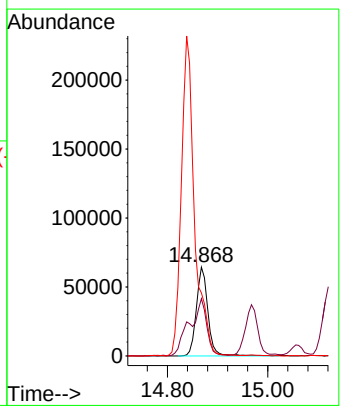


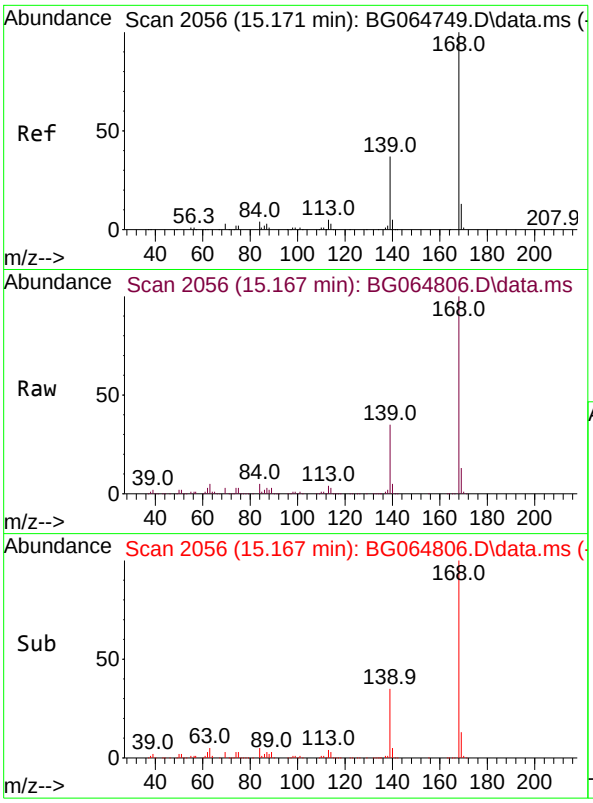


#54
2,4-Dinitrophenol
Concen: 65.869 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:184 Resp: 102708

Ion	Ratio	Lower	Upper
184	100		
63	64.5	45.8	68.6
154	70.9	52.6	78.8

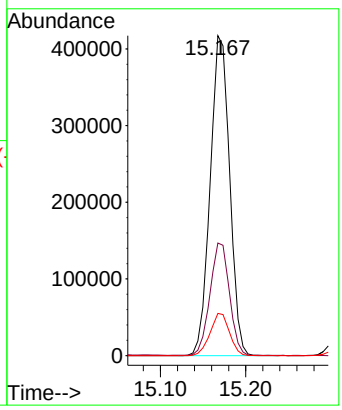




#55
Dibenzofuran
Concen: 44.813 ng
RT: 15.167 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:168 Resp: 66009

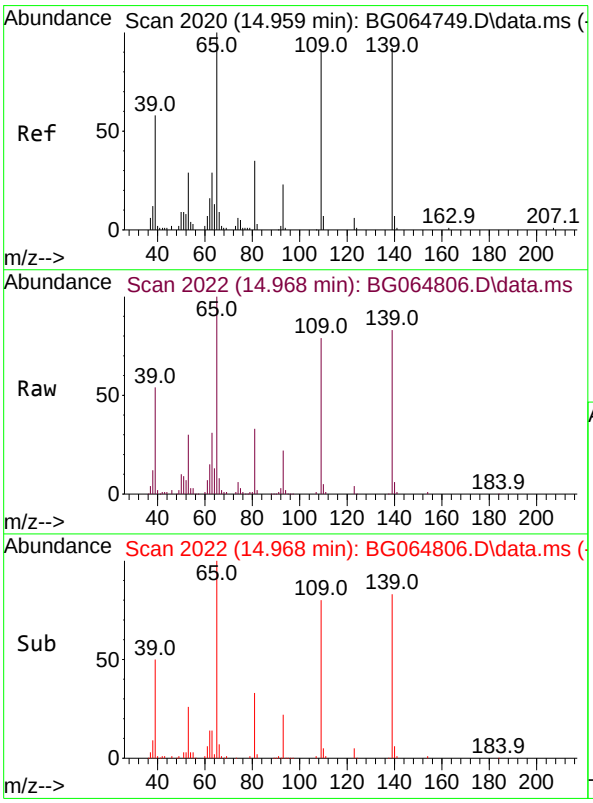
Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.5	44.3
169	13.2	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

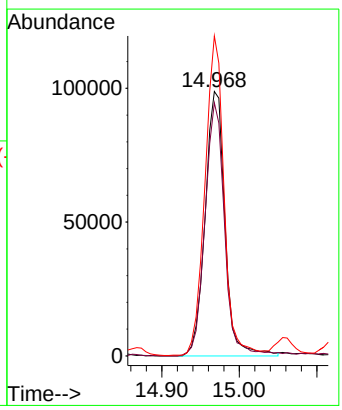
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

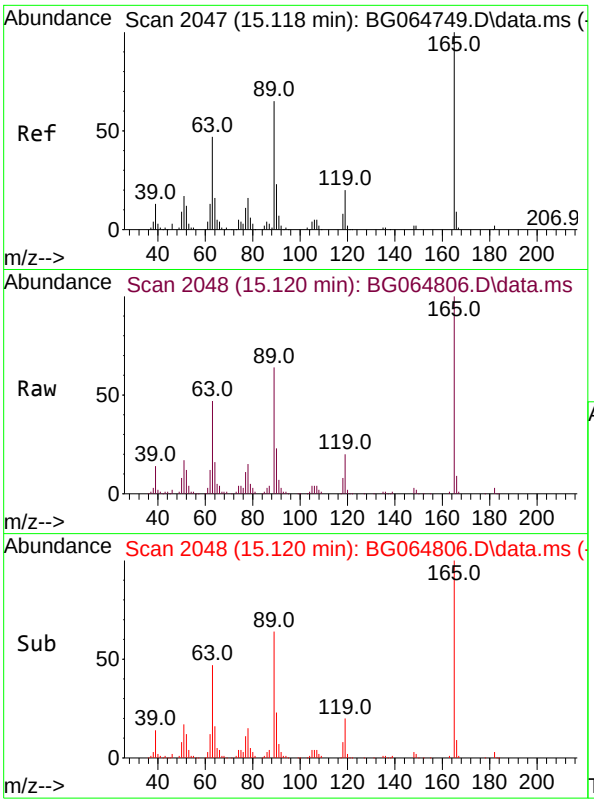


#56
4-Nitrophenol
Concen: 96.115 ng
RT: 14.968 min Scan# 2022
Delta R.T. 0.008 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:139 Resp: 175859

Ion	Ratio	Lower	Upper
139	100		
109	95.7	79.7	119.7
65	121.0	89.9	129.9

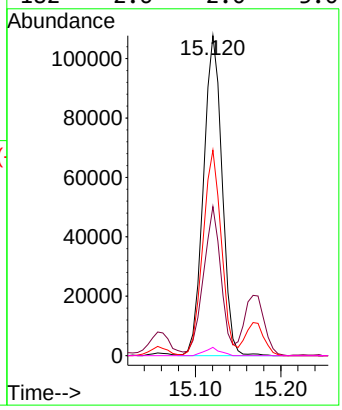




#57
2,4-Dinitrotoluene
Concen: 46.520 ng
RT: 15.120 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:165 Resp: 16295

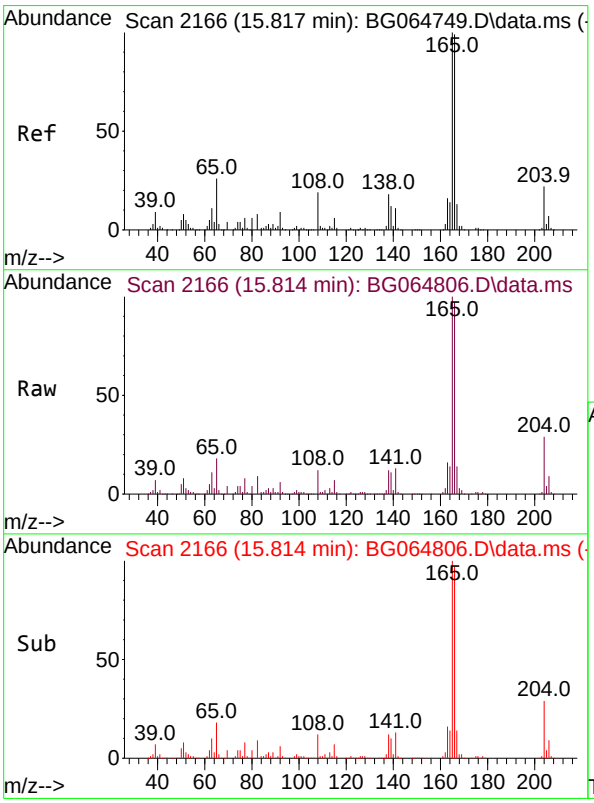
Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.8	56.6
89	64.2	51.6	77.4
182	2.6	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

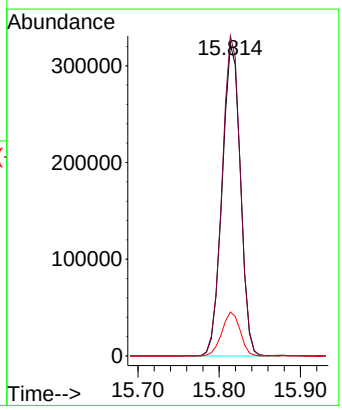
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

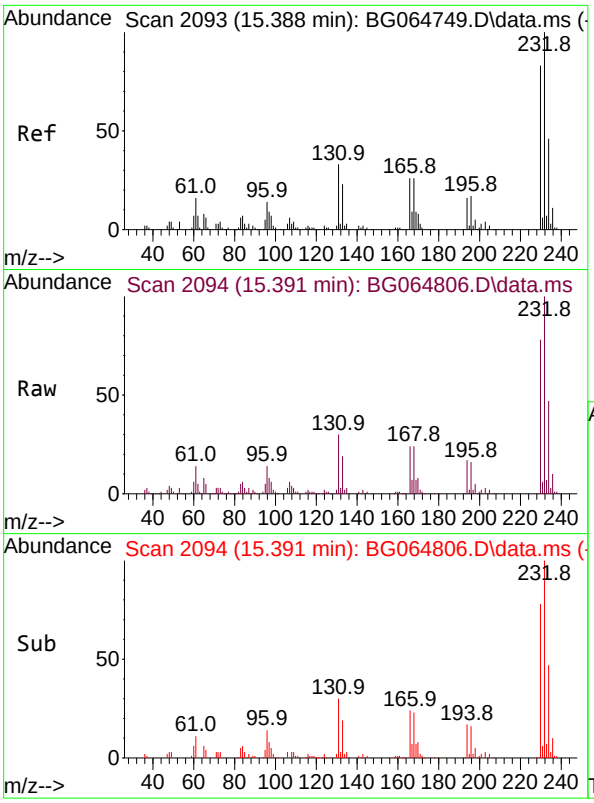


#58
Fluorene
Concen: 43.432 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:166 Resp: 501755

Ion	Ratio	Lower	Upper
166	100		
165	102.7	80.5	120.7
167	14.1	10.3	15.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.394 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

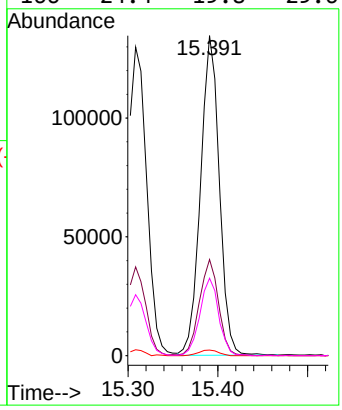
Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

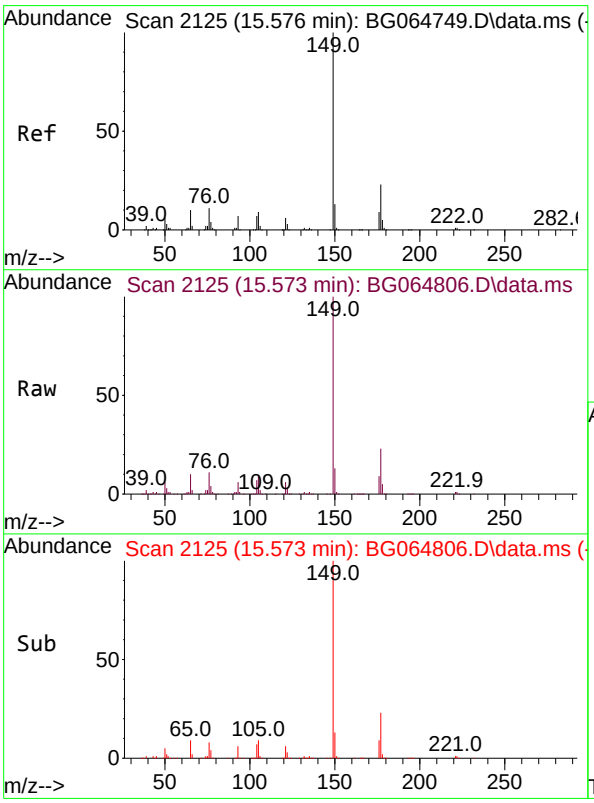
Tgt Ion:232 Resp: 19579

Ion	Ratio	Lower	Upper
232	100		
131	30.6	26.0	39.0
130	1.8	1.6	2.4
166	24.4	19.8	29.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

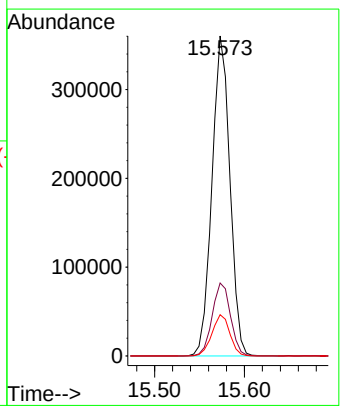


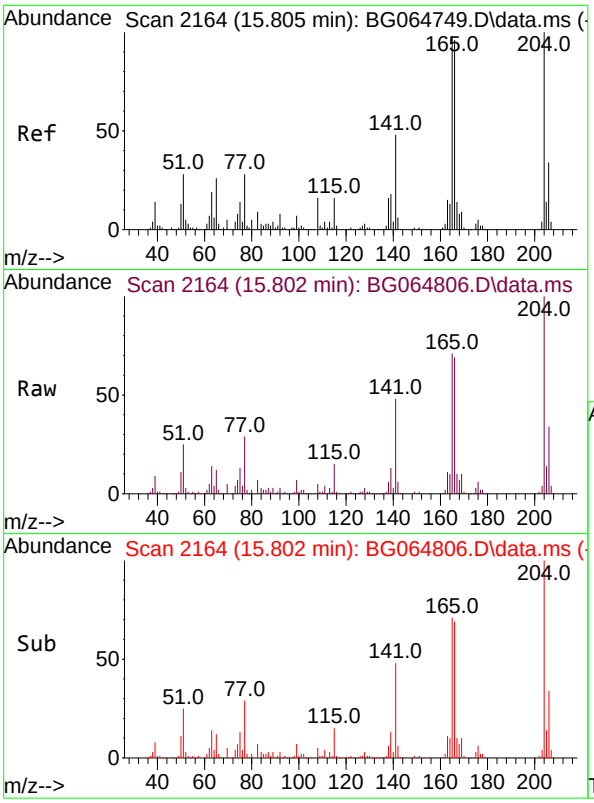


#60
Diethylphthalate
Concen: 43.057 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:149 Resp: 500848

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.9	10.1	15.1

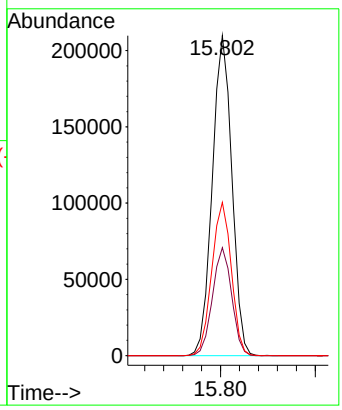




#61
4-Chlorophenyl-phenylether
Concen: 43.396 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:204 Resp: 30087

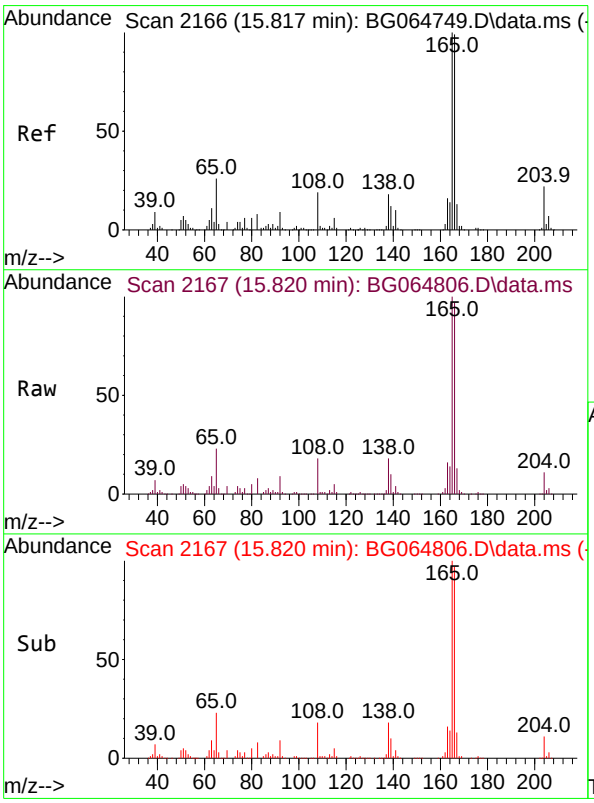
Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.9	40.3
141	47.9	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

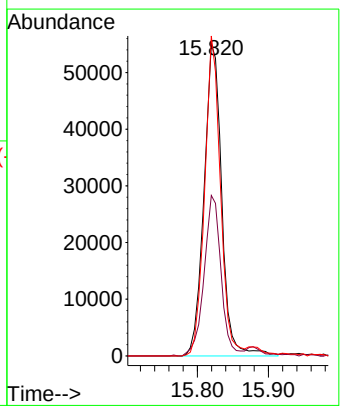
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

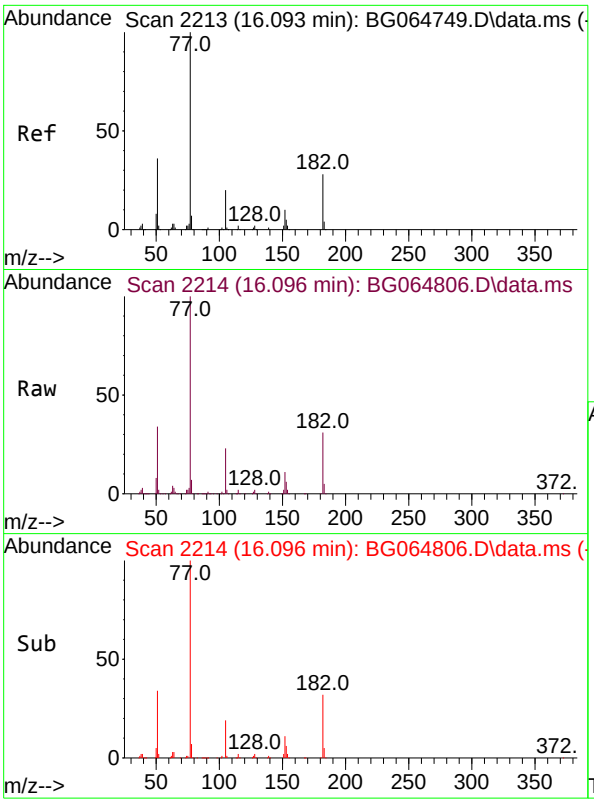


#62
4-Nitroaniline
Concen: 39.885 ng
RT: 15.820 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:138 Resp: 95289

Ion	Ratio	Lower	Upper
138	100		
92	51.3	30.7	70.7
108	102.5	85.7	125.7

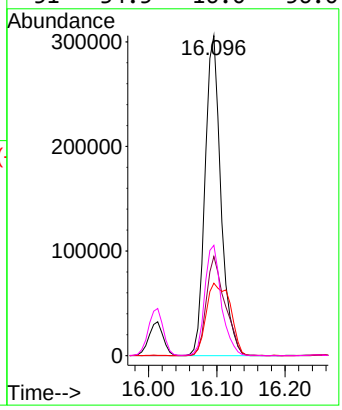




#63
Azobenzene
Concen: 51.108 ng
RT: 16.096 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion: 77 Resp: 49447

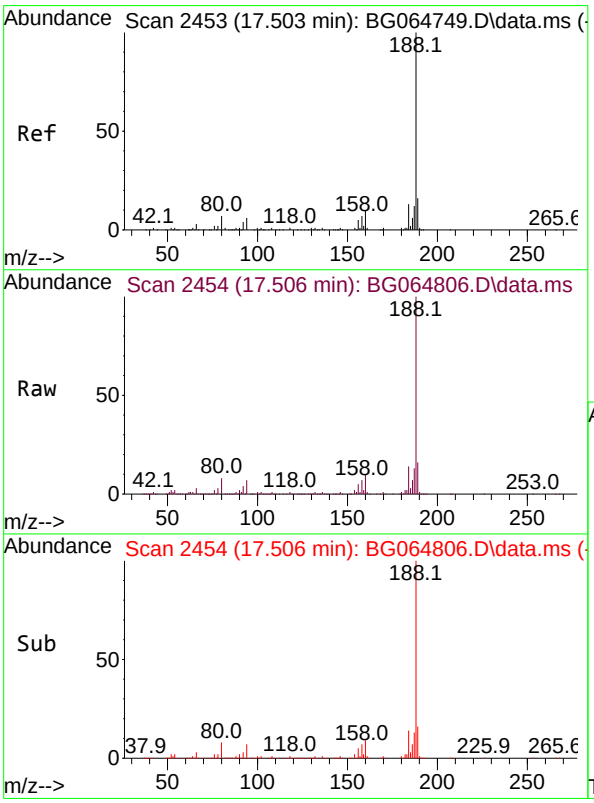
Ion	Ratio	Lower	Upper
77	100		
182	31.0	8.1	48.1
105	22.6	0.1	40.1
51	34.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

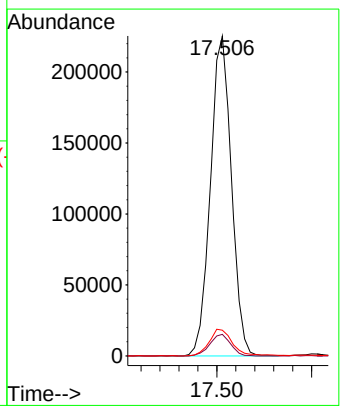
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

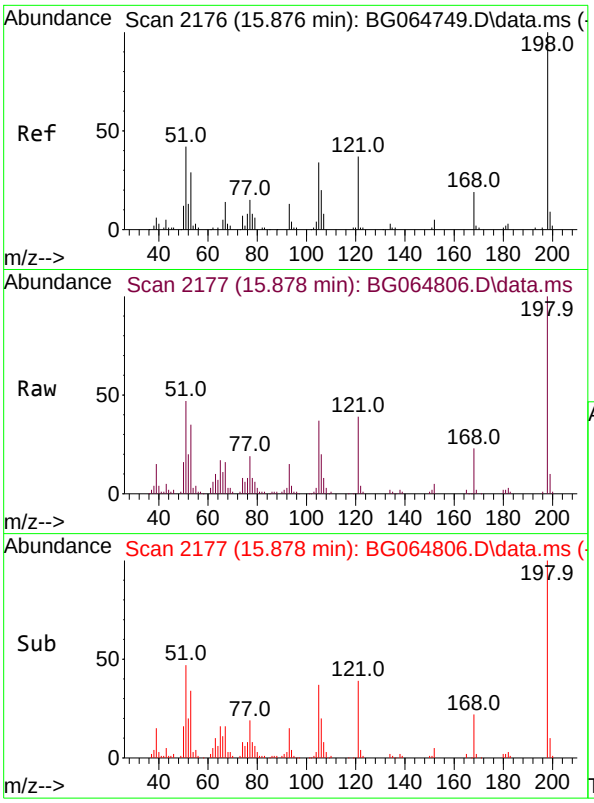


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:188 Resp: 346793

Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.7	7.1
80	8.0	5.4	8.2

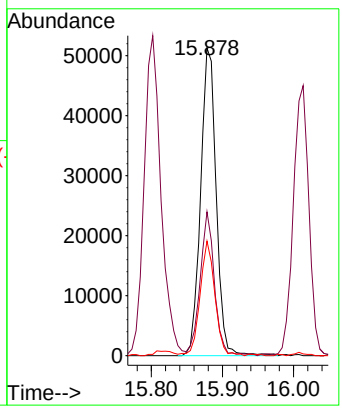




#65
4,6-Dinitro-2-methylphenol
Concen: 40.376 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:198 Resp: 7774

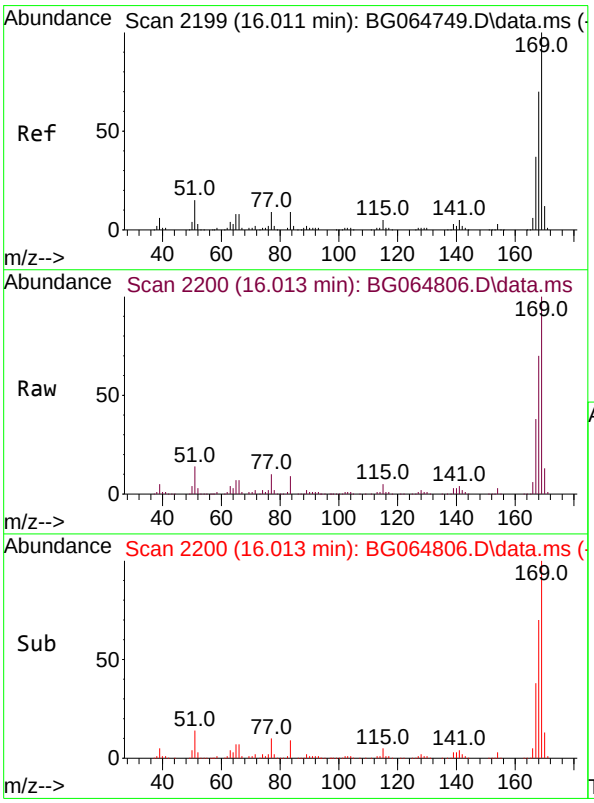
Ion	Ratio	Lower	Upper
198	100		
51	46.7	25.2	65.2
105	37.2	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

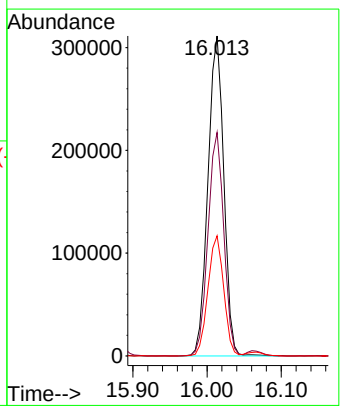
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

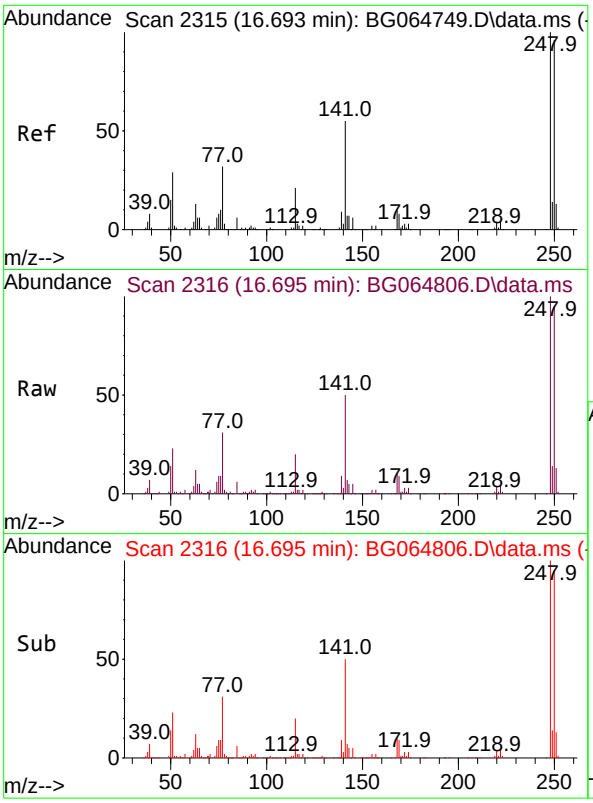


#66
n-Nitrosodiphenylamine
Concen: 50.823 ng
RT: 16.013 min Scan# 2200
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:169 Resp: 461656

Ion	Ratio	Lower	Upper
169	100		
168	69.9	55.9	83.9
167	37.5	29.8	44.6

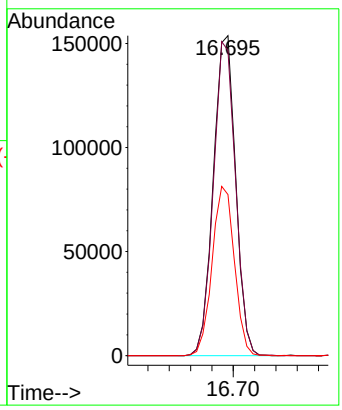




#67
4-Bromophenyl-phenylether
Concen: 49.145 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:248 Resp: 22381

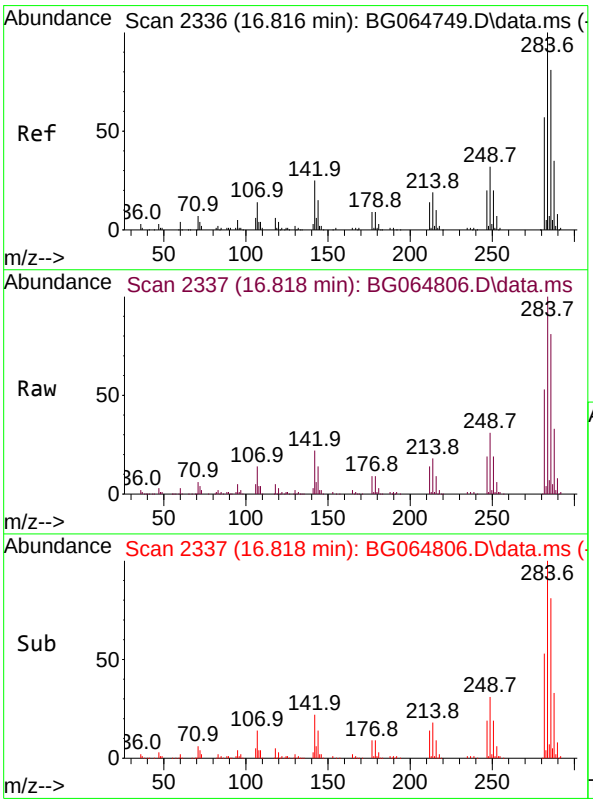
Ion	Ratio	Lower	Upper
248	100		
250	95.3	77.0	115.6
141	50.3	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

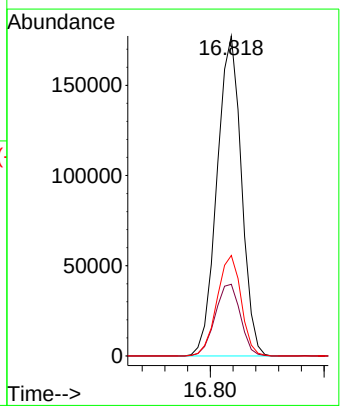
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

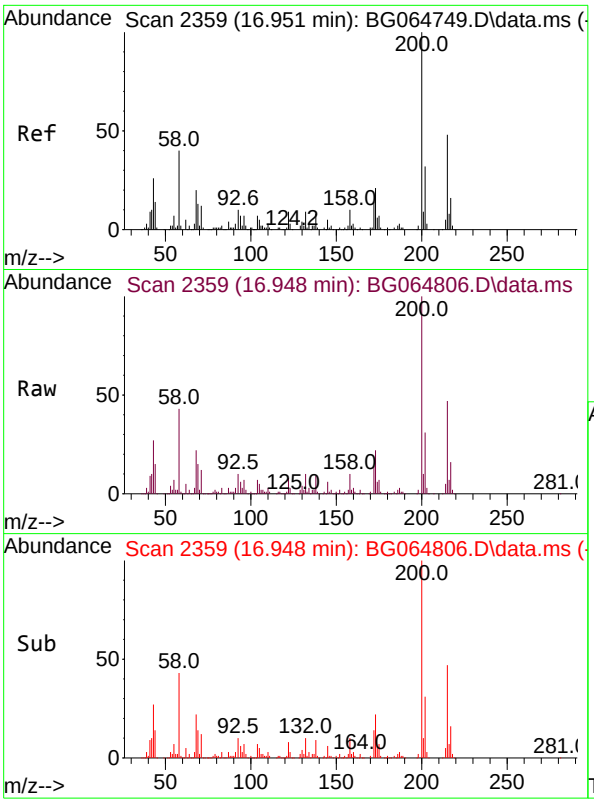


#68
Hexachlorobenzene
Concen: 47.869 ng
RT: 16.818 min Scan# 2337
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:284 Resp: 264122

Ion	Ratio	Lower	Upper
284	100		
142	22.4	19.7	29.5
249	33.5	28.1	42.1

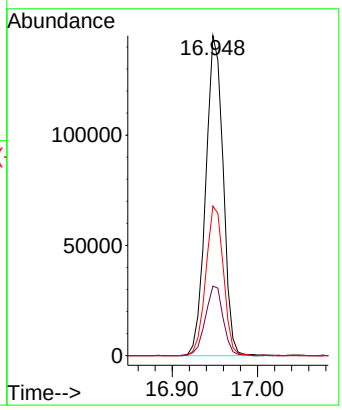




#69
Atrazine
Concen: 46.883 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:200 Resp: 20532

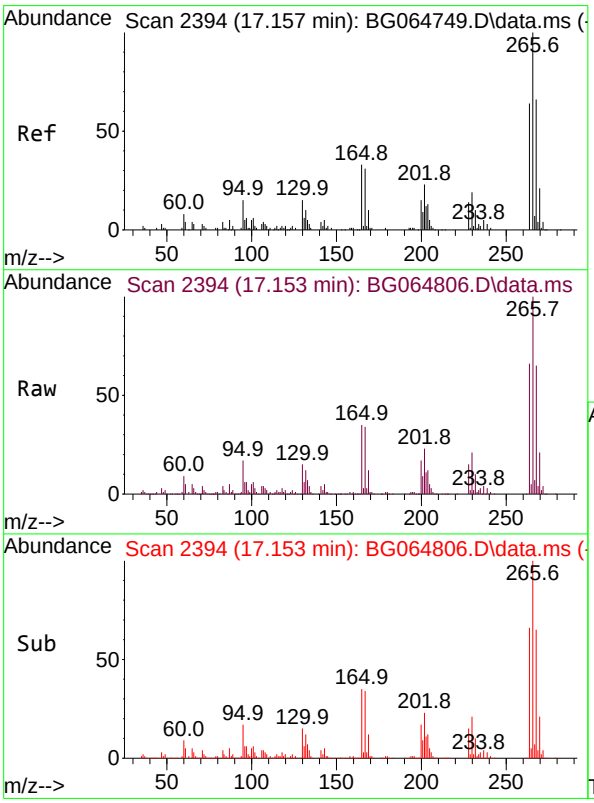
Ion	Ratio	Lower	Upper
200	100		
173	21.7	0.9	40.9
215	46.7	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

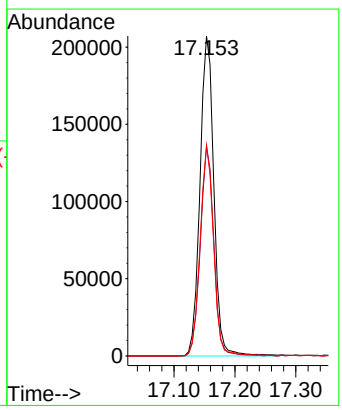
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

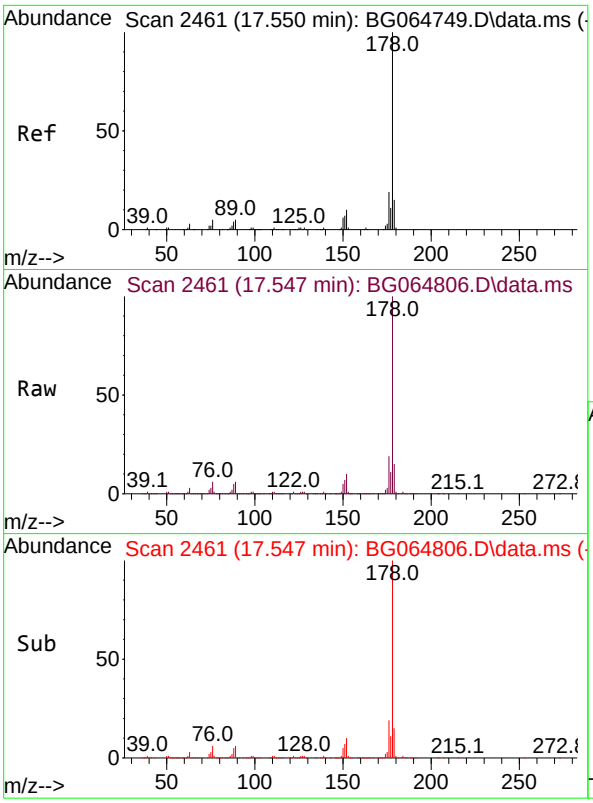


#70
Pentachlorophenol
Concen: 98.575 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:266 Resp: 326908

Ion	Ratio	Lower	Upper
266	100		
268	69.9	56.1	84.1
264	70.4	51.2	76.8

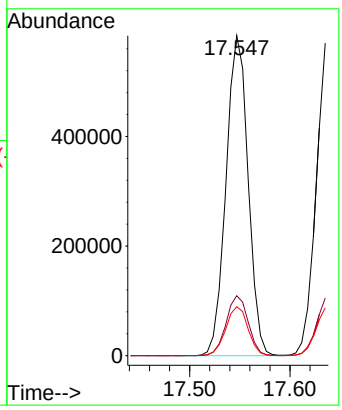




#71
Phenanthrene
Concen: 46.996 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:178 Resp: 89170

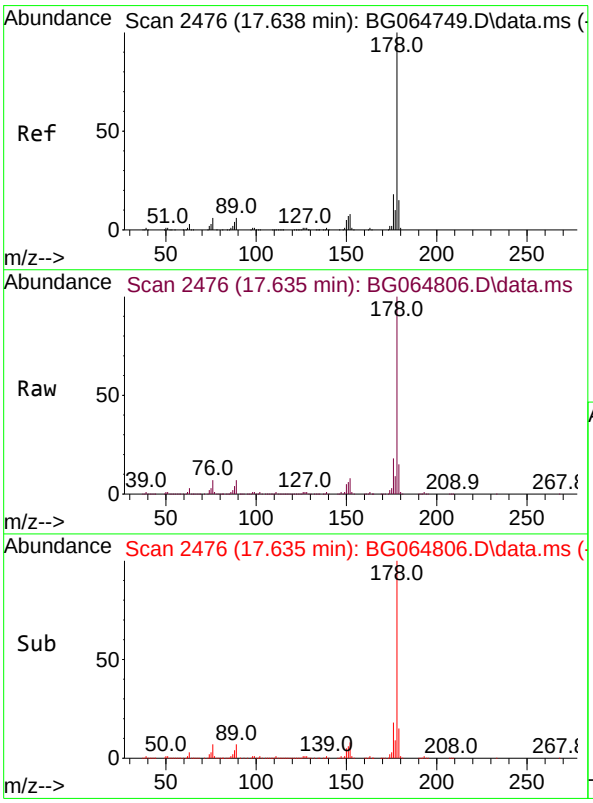
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

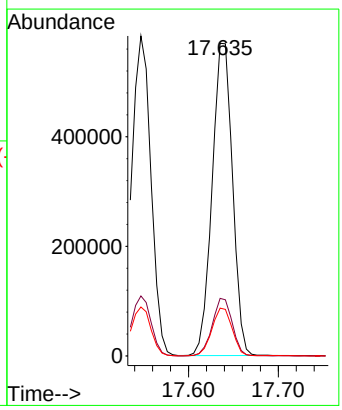
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

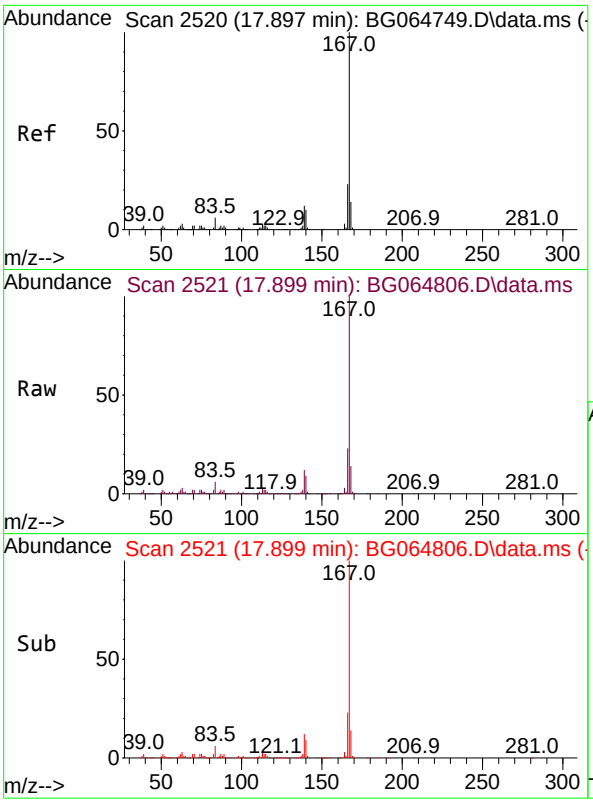


#72
Anthracene
Concen: 46.501 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:178 Resp: 899685

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	15.3	12.2	18.4

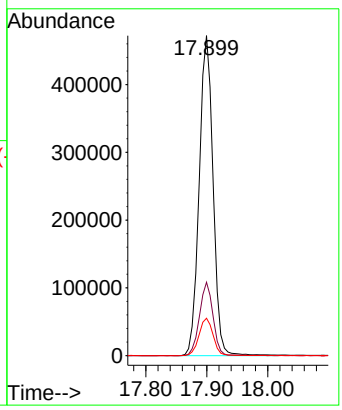




#73
Carbazole
Concen: 44.778 ng
RT: 17.899 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:167 Resp: 74476

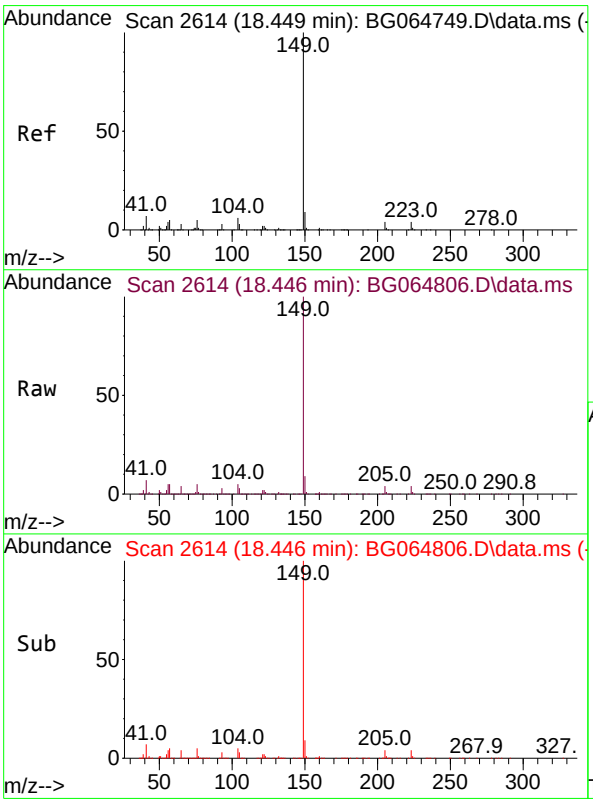
Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	11.7	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

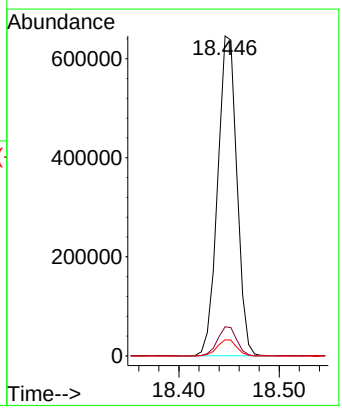
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

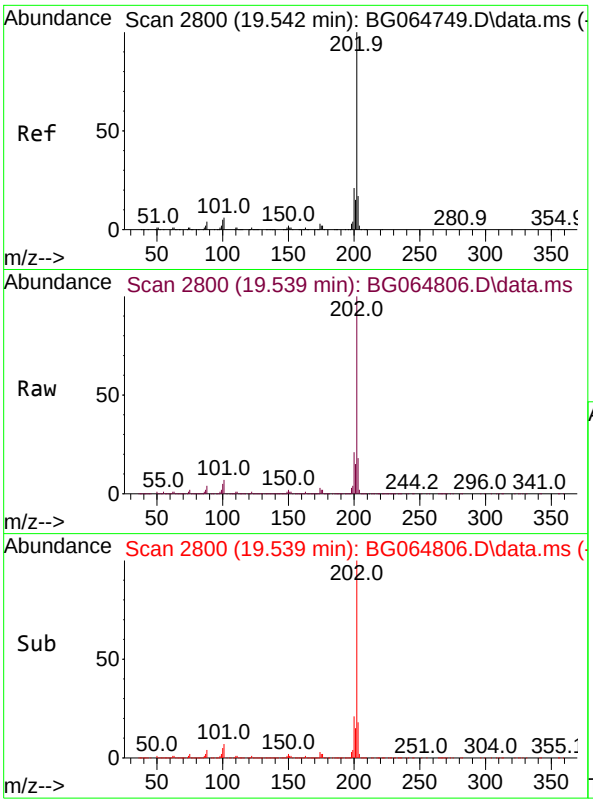


#74
Di-n-butylphthalate
Concen: 46.415 ng
RT: 18.446 min Scan# 2614
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:149 Resp: 861272

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.0	4.4	6.6

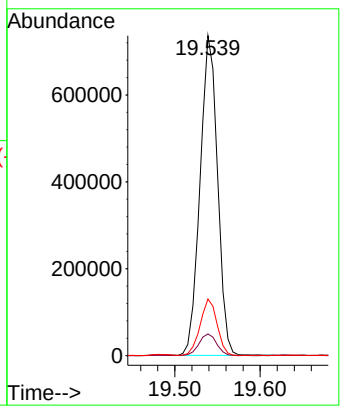




#75
Fluoranthene
Concen: 40.420 ng
RT: 19.539 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:202 Resp: 104873

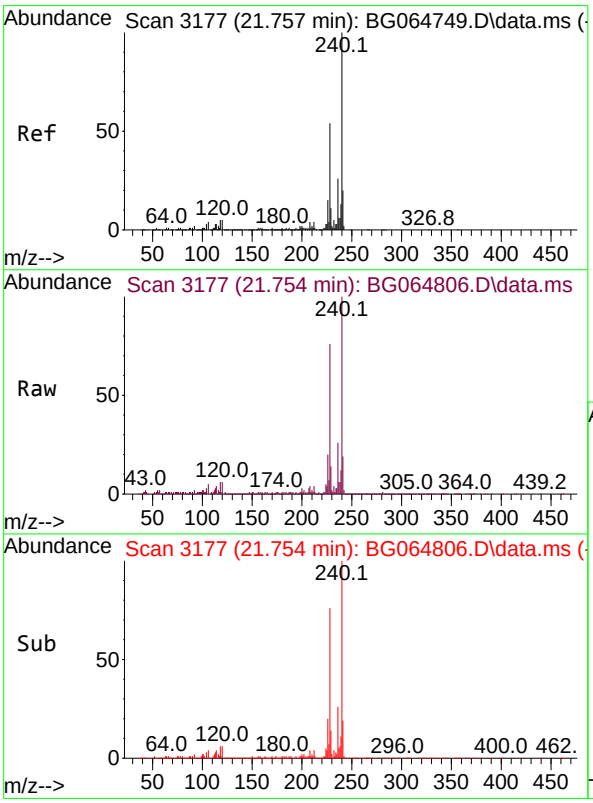
Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	26.4
203	17.7	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

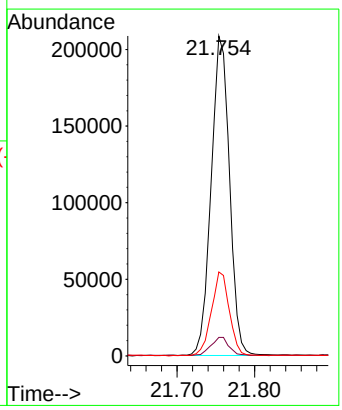
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

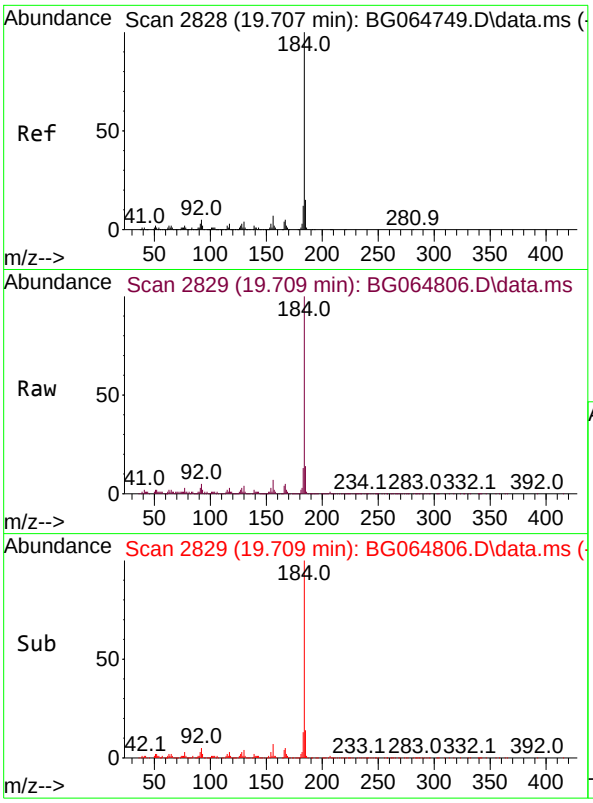


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:240 Resp: 343005

Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.2	6.4
236	26.2	20.8	31.2

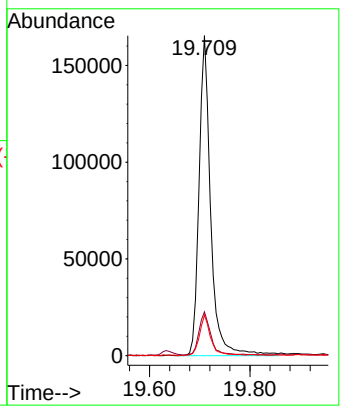




#77
Benzidine
Concen: 25.940 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:184 Resp: 266468

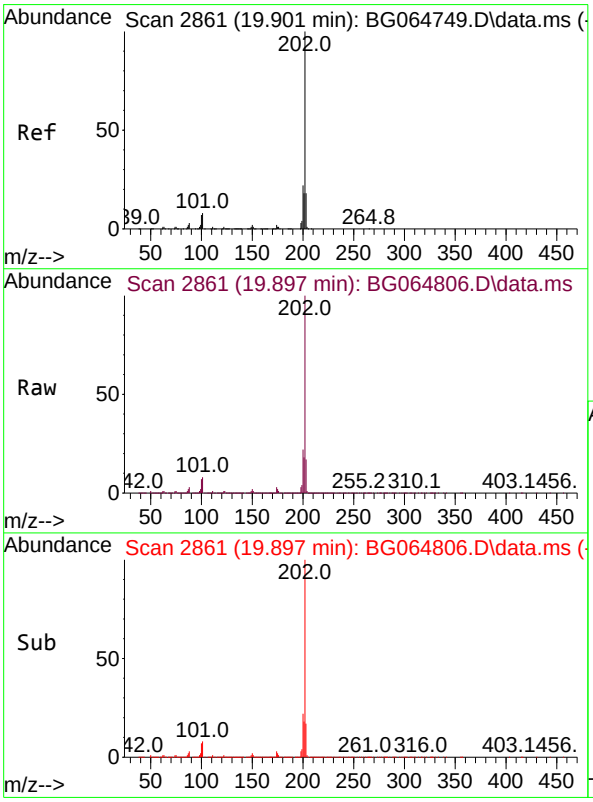
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	12.7	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

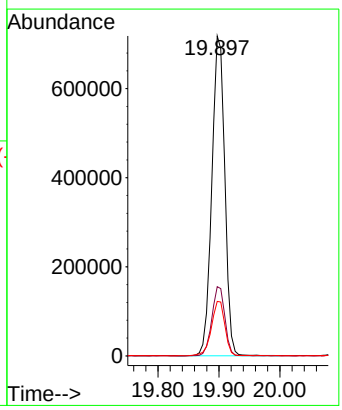
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

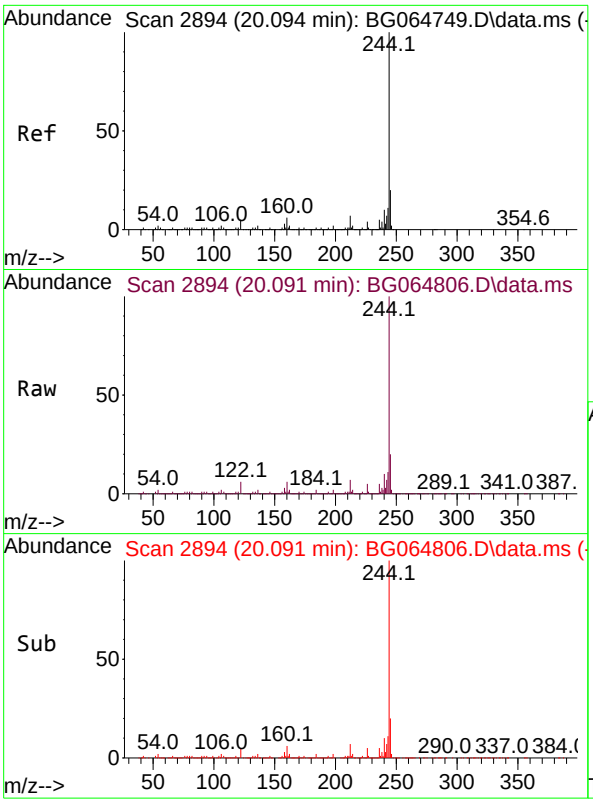


#78
Pyrene
Concen: 55.174 ng
RT: 19.897 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:202 Resp: 1060660

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.9	26.9
203	17.0	14.0	21.0





#79
Terphenyl-d14
Concen: 72.909 ng
RT: 20.091 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

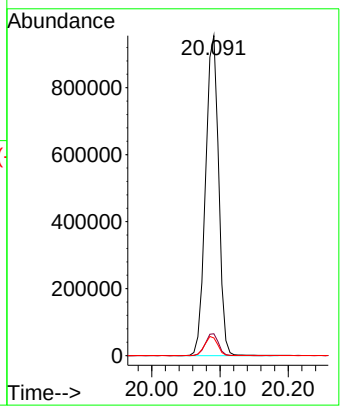
Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

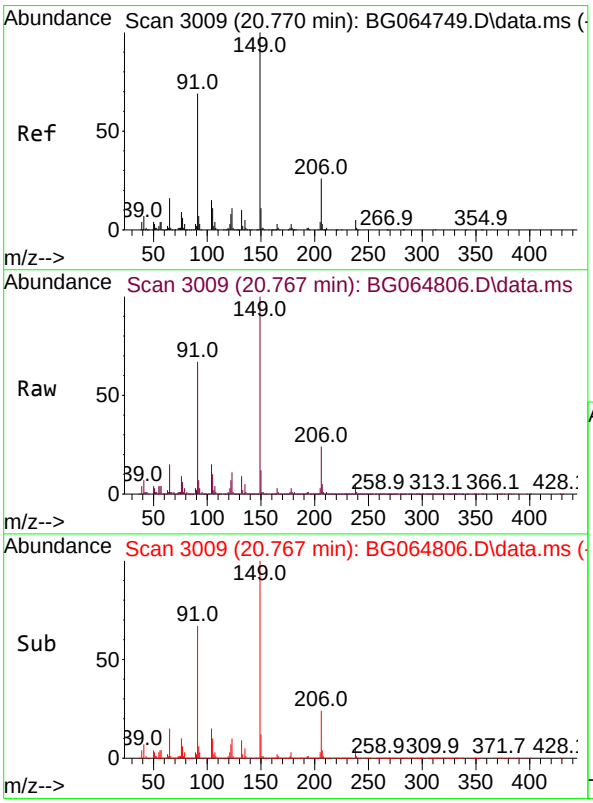
Tgt Ion:244 Resp: 127132

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	5.5	4.3	6.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

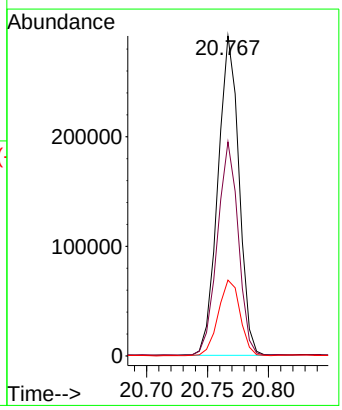


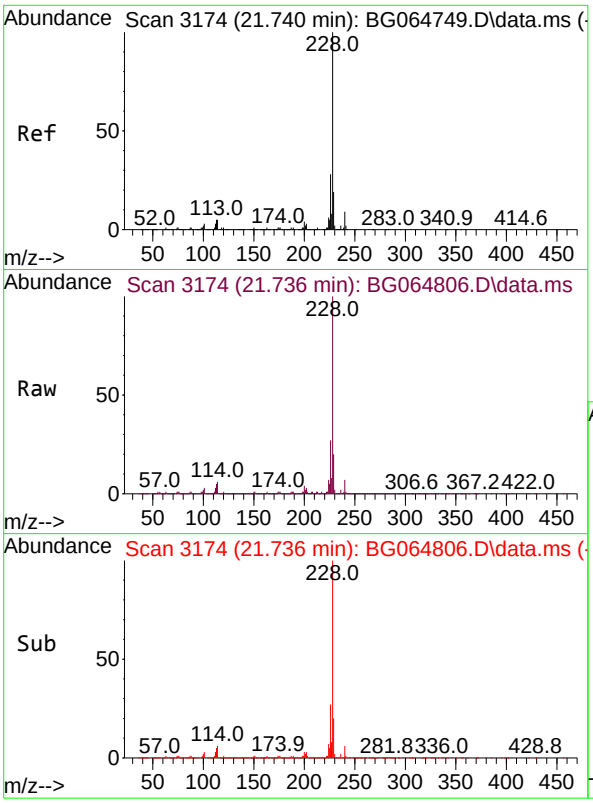


#80
Butylbenzylphthalate
Concen: 51.844 ng
RT: 20.767 min Scan# 3009
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:149 Resp: 350558

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.9	82.3
206	23.7	21.2	31.8

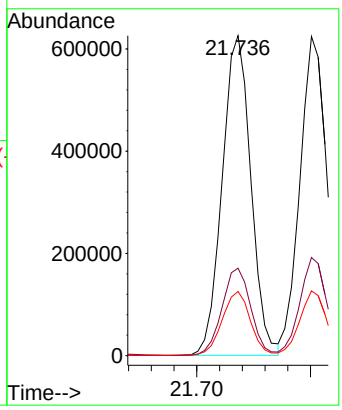




#81
Benzo(a)anthracene
Concen: 47.073 ng
RT: 21.736 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:228 Resp: 109787

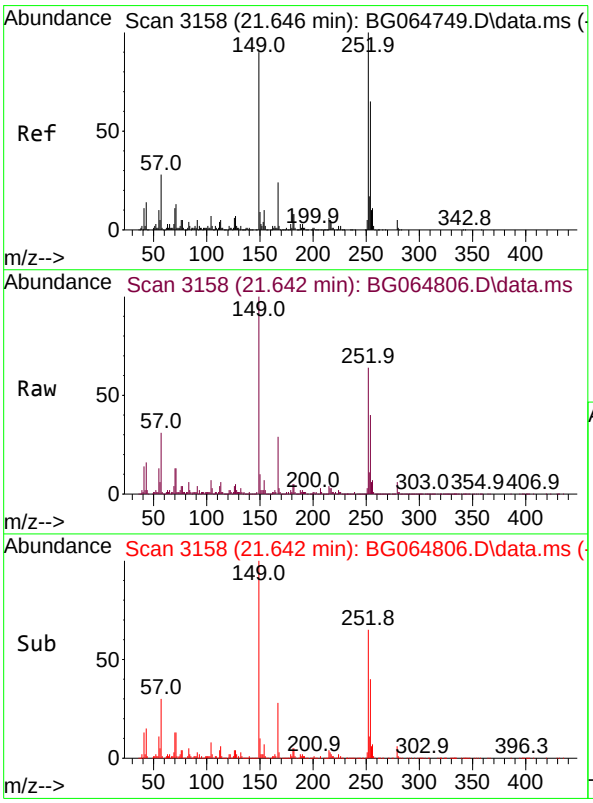
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

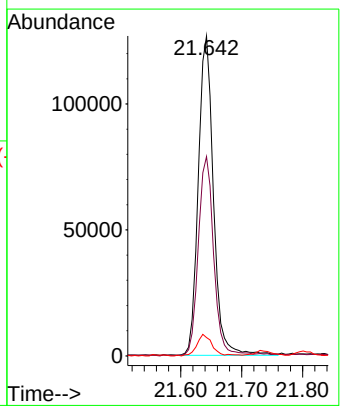
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

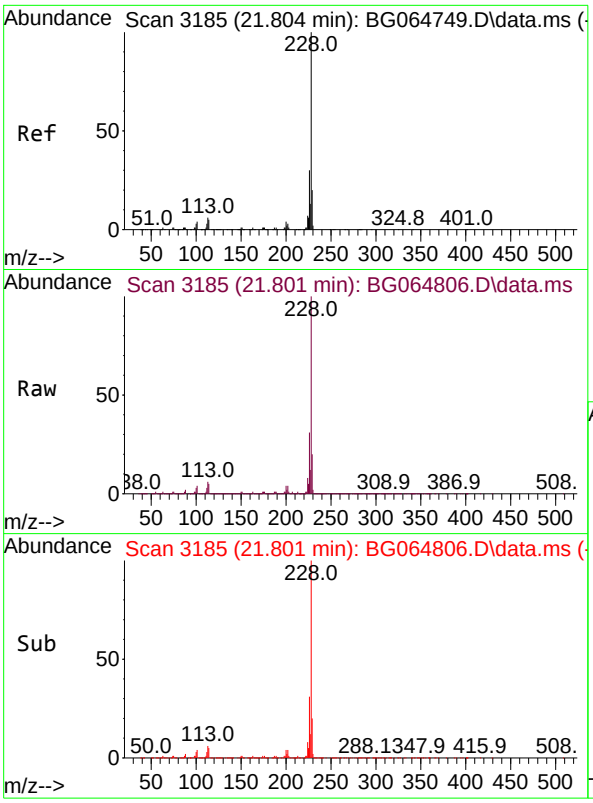


#82
3,3'-Dichlorobenzidine
Concen: 25.584 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:252 Resp: 219625

Ion	Ratio	Lower	Upper
252	100		
254	62.3	51.8	77.8
126	5.7	4.7	7.1

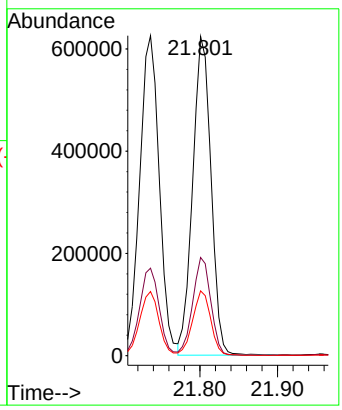




#83
Chrysene
Concen: 46.554 ng
RT: 21.801 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:228 Resp: 102365

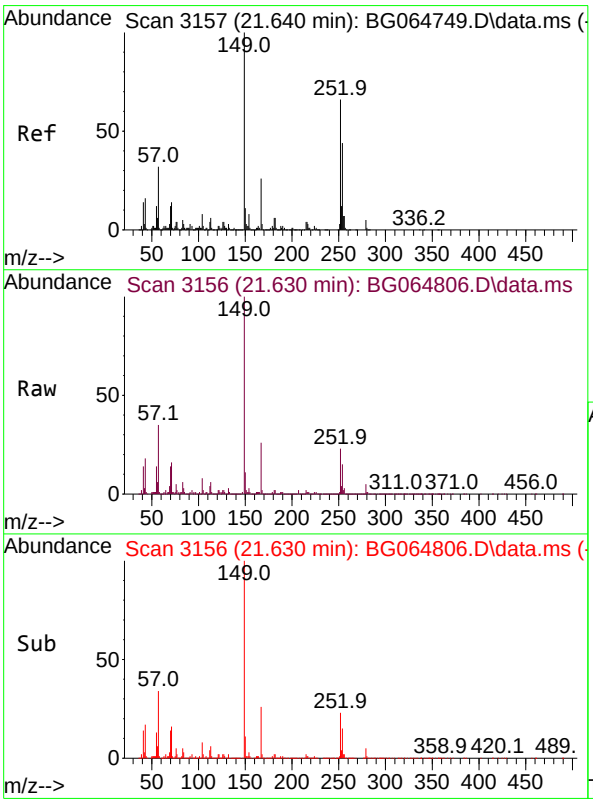
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.3	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

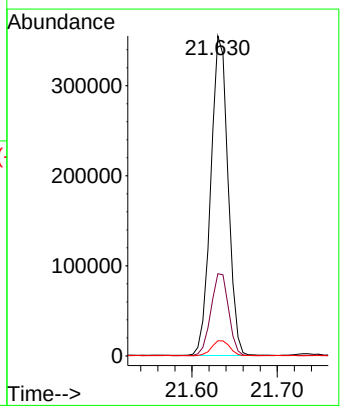
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

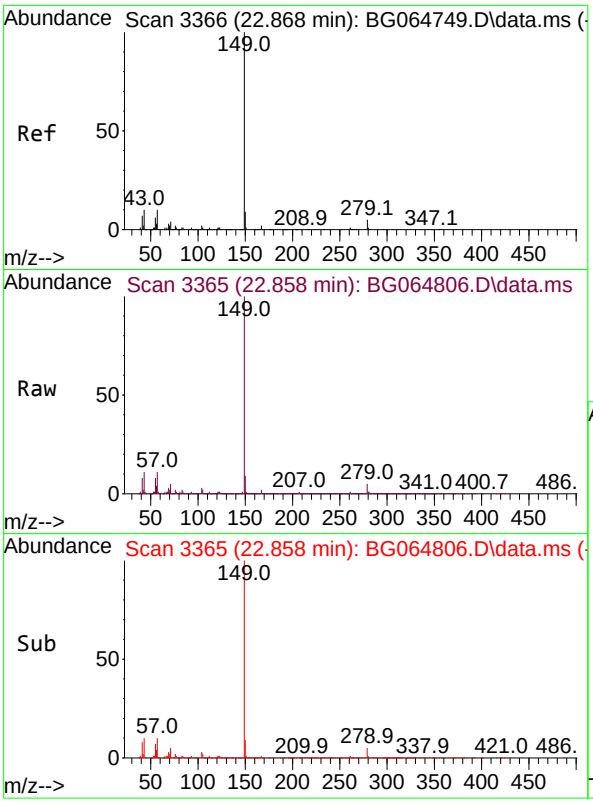


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.349 ng
RT: 21.630 min Scan# 3156
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:149 Resp: 497488

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.0	31.4
279	4.7	4.1	6.1

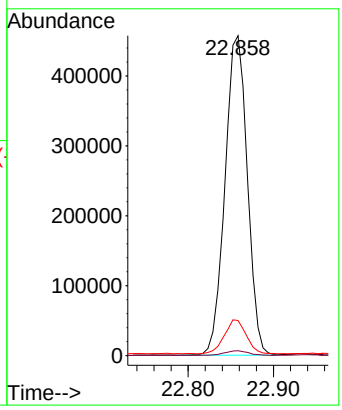




#85
Di-n-octyl phthalate
Concen: 48.642 ng
RT: 22.858 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:149 Resp: 830788

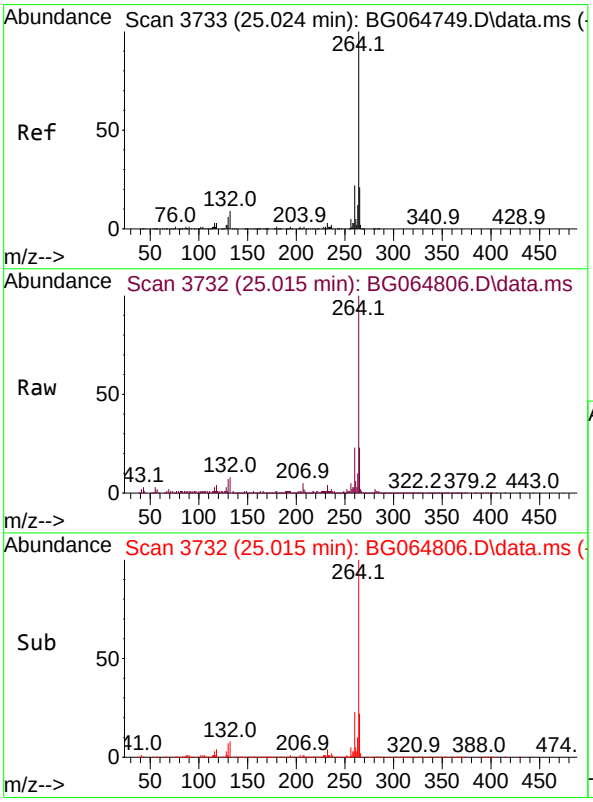
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

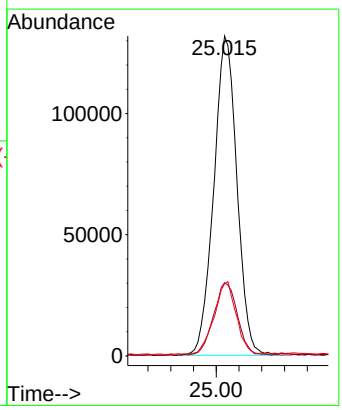
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

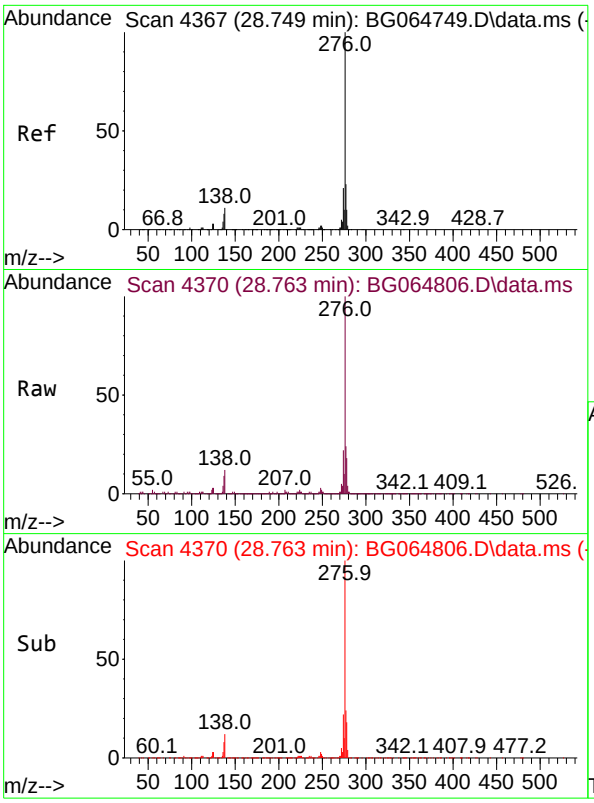


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.015 min Scan# 3732
Delta R.T. -0.009 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:264 Resp: 371739

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.2	25.8
265	22.5	16.6	25.0

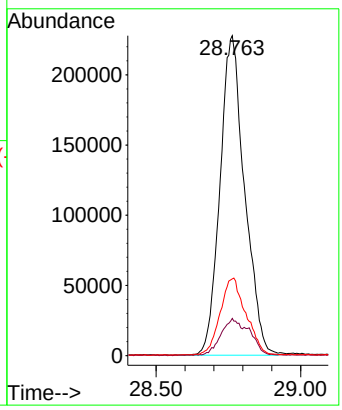




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.790 ng
RT: 28.763 min Scan# 4
Delta R.T. 0.014 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:276 Resp: 134824

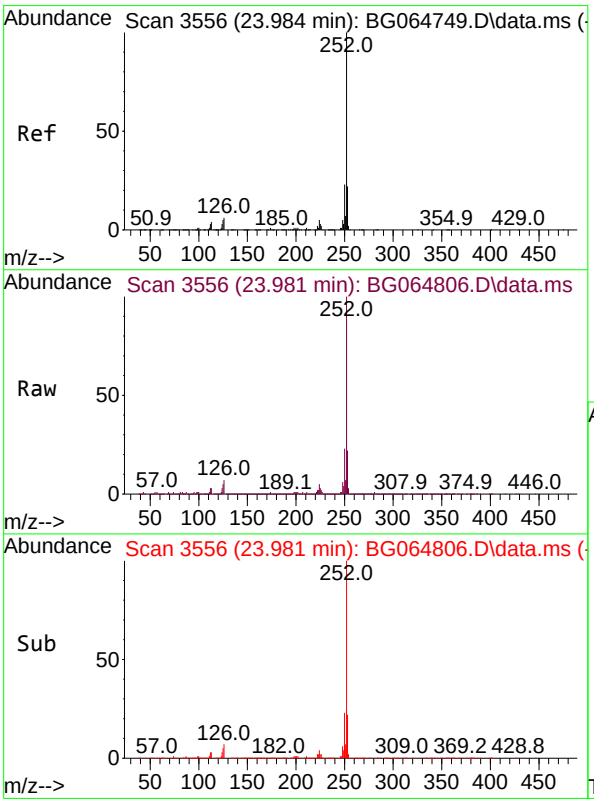
Ion	Ratio	Lower	Upper
276	100		
138	9.0	4.5	6.7#
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

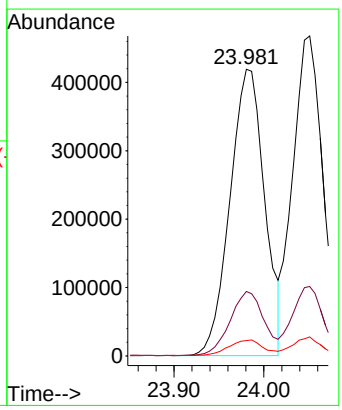
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

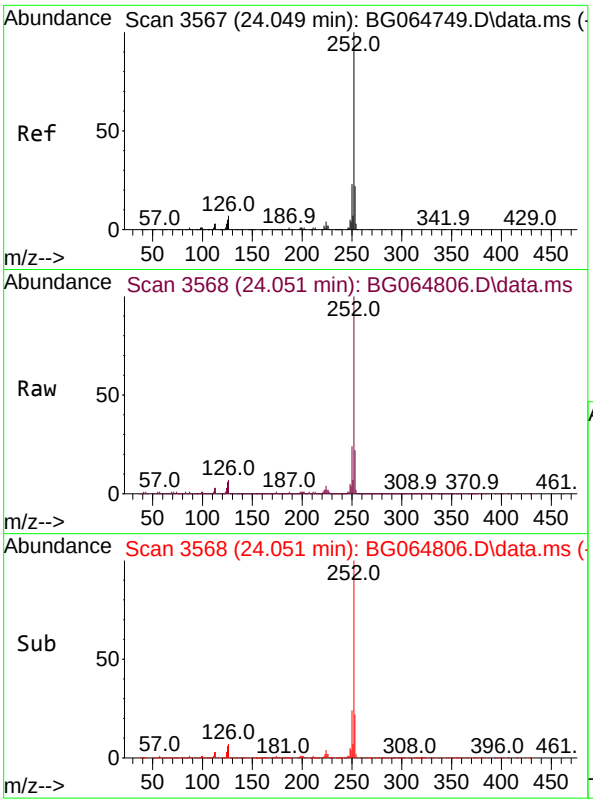


#88
Benzo(b)fluoranthene
Concen: 47.554 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:252 Resp: 1124970

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	5.3	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 45.526 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

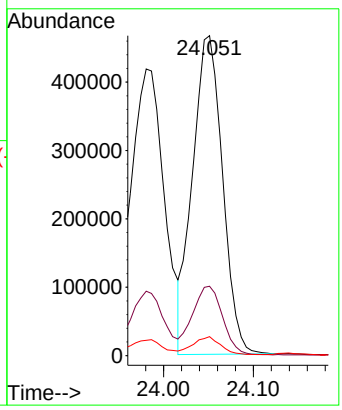
Tgt Ion:252 Resp: 108202

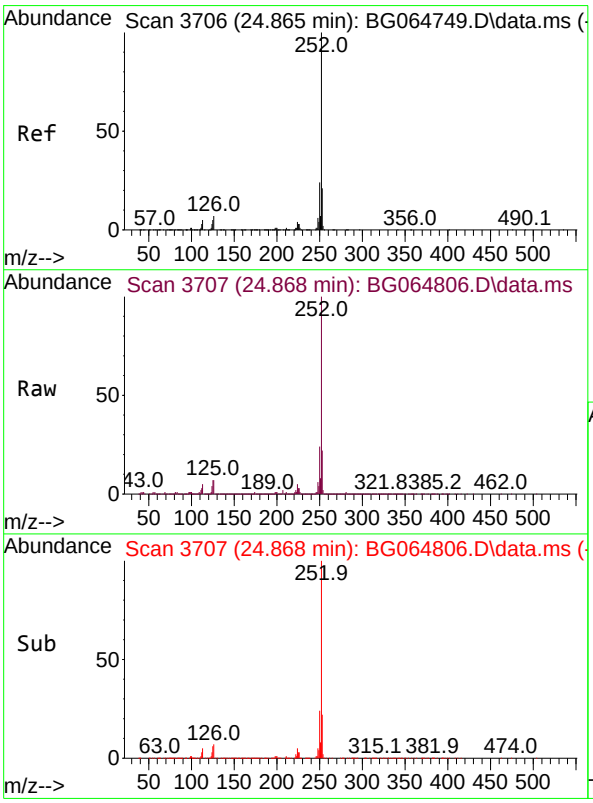
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	5.9	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

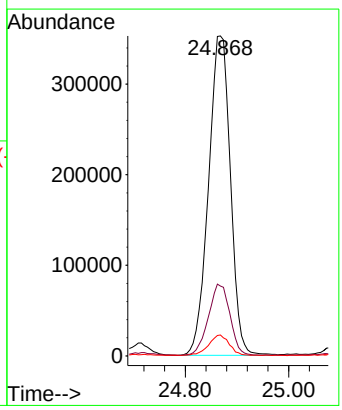


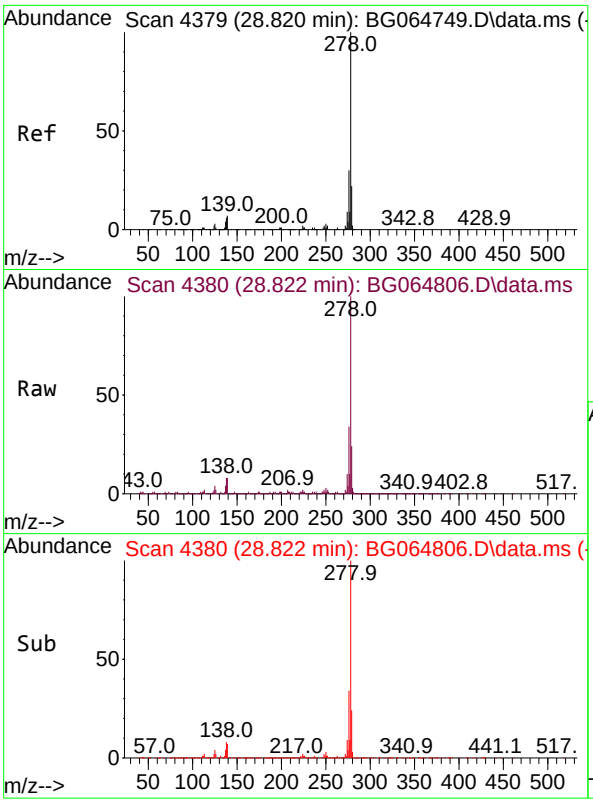


#90
Benzo(a)pyrene
Concen: 47.384 ng
RT: 24.868 min Scan# 3707
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:252 Resp: 1039844

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.9	25.3
125	6.5	4.2	6.4#

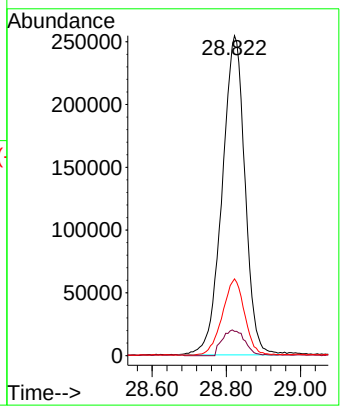




#91
Dibenzo(a,h)anthracene
Concen: 51.759 ng
RT: 28.822 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:278 Resp: 108293

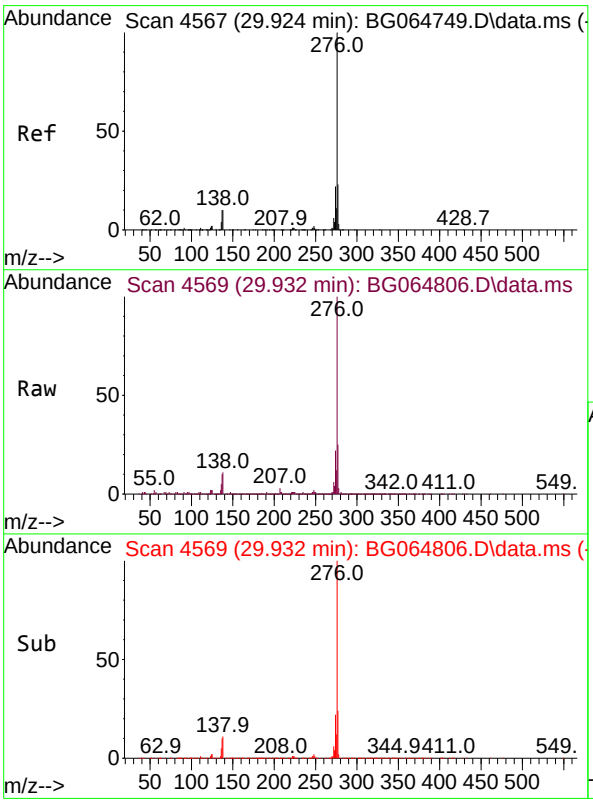
Ion	Ratio	Lower	Upper
278	100		
139	7.6	5.8	8.8
279	24.0	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
NB-07-111725MSD

Manual Integrations
APPROVED

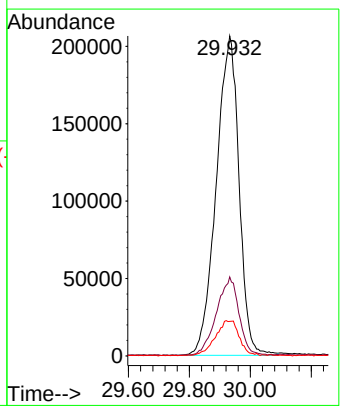
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 53.164 ng
RT: 29.932 min Scan# 4569
Delta R.T. 0.008 min
Lab File: BG064806.D
Acq: 18 Nov 2025 17:01

Tgt Ion:276 Resp: 1070512

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.0	27.0
138	10.8	8.2	12.2



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

Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064746.D	1,3-Dichlorobenzene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	2-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	Benzoic acid	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC020	BG064748.D	Benzoic acid	Jagrut	11/14/2025 11:30:41 AM	Sohil	11/14/2025 12:23:06 PM	Peak Integrated by Software
SSTDICCC040	BG064749.D	Benzoic acid	Jagrut	11/14/2025 11:30:43 AM	Sohil	11/14/2025 12:23:08 PM	Peak Integrated by Software
SSTDICC050	BG064750.D	Benzoic acid	Jagrut	11/14/2025 11:30:45 AM	Sohil	11/14/2025 12:23:10 PM	Peak Integrated by Software
SSTDICC060	BG064751.D	Benzoic acid	Jagrut	11/14/2025 11:30:48 AM	Sohil	11/14/2025 12:23:12 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Benzoic acid	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Caprolactam	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICV040	BG064753.D	Benzoic acid	Jagrut	11/14/2025 11:30:53 AM	Sohil	11/14/2025 12:23:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG111225	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:	BG111825	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170598BS	BG064801.D	Caprolactam	Jagrut	11/19/2025 10:54:52 AM	Sohil	11/19/2025 3:39:42 PM	Peak Integrated by Software
Q3658-01MS	BG064805.D	Caprolactam	Jagrut	11/19/2025 10:54:57 AM	Sohil	11/19/2025 3:39:49 PM	Peak Integrated by Software
Q3658-01MSD	BG064806.D	Caprolactam	Jagrut	11/19/2025 10:55:00 AM	Sohil	11/19/2025 3:39:53 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP111825	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BP026146.D	Benzo(g,h,i)perylene	Jagrut	11/19/2025 10:52:52 AM	Sohil	11/19/2025 3:40:17 PM	Peak Integrated by Software
SSTDICC020	BP026146.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:52 AM	Sohil	11/19/2025 3:40:17 PM	Peak Integrated by Software
SSTDICCC040	BP026147.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:55 AM	Sohil	11/19/2025 3:40:19 PM	Peak Integrated by Software
SSTDICC060	BP026149.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:57 AM	Sohil	11/19/2025 3:40:20 PM	Peak Integrated by Software
SSTDICC080	BP026150.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:59 AM	Sohil	11/19/2025 3:40:22 PM	Peak Integrated by Software
SSTDICV040	BP026151.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:53:01 AM	Sohil	11/19/2025 3:40:24 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP112725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026195.D	Indeno(1,2,3-cd)pyrene	Jagrut	12/2/2025 4:04:43 PM	mohammad	12/3/2025 1:12:32 AM	Peak Integrated by Software

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM				
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM				
SubDirectory	BG111225	HP Acquire Method	BNA_G		HP Processing Method	BG111225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064744.D	12 Nov 2025 10:37	RC/JU	Ok
2	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17	RC/JU	Ok
3	SSTDICC005	BG064746.D	12 Nov 2025 11:58	RC/JU	Ok,M
4	SSTDICC010	BG064747.D	12 Nov 2025 12:39	RC/JU	Ok,M
5	SSTDICC020	BG064748.D	12 Nov 2025 13:20	RC/JU	Ok,M
6	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	RC/JU	Ok,M
7	SSTDICC050	BG064750.D	12 Nov 2025 14:41	RC/JU	Ok,M
8	SSTDICC060	BG064751.D	12 Nov 2025 15:23	RC/JU	Ok,M
9	SSTDICC080	BG064752.D	12 Nov 2025 16:04	RC/JU	Ok,M
10	SSTDICV040	BG064753.D	12 Nov 2025 16:45	RC/JU	Ok,M
11	PB170478BL	BG064754.D	12 Nov 2025 17:26	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 # BG111825

Review By	Jagrut	Review On	11/19/2025 10:55:50 AM				
Supervise By	Sohil	Supervise On	11/19/2025 3:40:03 PM				
SubDirectory	BG111825	HP Acquire Method	BNA_G		HP Processing Method	BG111225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	P6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064798.D	18 Nov 2025 11:30	RC/JU	Ok
2	SSTDCCC040	BG064799.D	18 Nov 2025 12:10	RC/JU	Ok
3	PB170598BL	BG064800.D	18 Nov 2025 12:53	RC/JU	Ok
4	PB170598BS	BG064801.D	18 Nov 2025 13:34	RC/JU	Ok,M
5	Q3657-01	BG064802.D	18 Nov 2025 14:18	RC/JU	Ok
6	Q3641-01RX	BG064803.D	18 Nov 2025 14:59	RC/JU	Confirms
7	Q3658-01	BG064804.D	18 Nov 2025 15:40	RC/JU	Ok,M
8	Q3658-01MS	BG064805.D	18 Nov 2025 16:21	RC/JU	Ok,M
9	Q3658-01MSD	BG064806.D	18 Nov 2025 17:01	RC/JU	Ok,M
10	Q3652-01	BG064807.D	18 Nov 2025 17:42	RC/JU	Ok,M
11	Q3660-01	BG064808.D	18 Nov 2025 18:23	RC/JU	Ok
12	Q3656-01	BG064809.D	18 Nov 2025 19:04	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 # BP111825

Review By	Jagrut	Review On	11/19/2025 10:53:24 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:40:33 PM		
SubDirectory	BP111825	HP Acquire Method	BNA_P	HP Processing Method	BP111825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026142.D	18 Nov 2025 13:45	RC/JU	Ok
2	SSTDICC2.5	BP026143.D	18 Nov 2025 14:31	RC/JU	Ok
3	SSTDICC005	BP026144.D	18 Nov 2025 15:12	RC/JU	Ok
4	SSTDICC010	BP026145.D	18 Nov 2025 15:54	RC/JU	Ok
5	SSTDICC020	BP026146.D	18 Nov 2025 16:35	RC/JU	Ok,M
6	SSTDICCC040	BP026147.D	18 Nov 2025 17:57	RC/JU	Ok,M
7	SSTDICC050	BP026148.D	18 Nov 2025 18:38	RC/JU	Ok
8	SSTDICC060	BP026149.D	18 Nov 2025 20:00	RC/JU	Ok,M
9	SSTDICC080	BP026150.D	18 Nov 2025 21:22	RC/JU	Ok,M
10	SSTDICV040	BP026151.D	18 Nov 2025 23:25	RC/JU	Ok,M
11	PB170493TB	BP026152.D	19 Nov 2025 00:06	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 # BP112725

Review By	Jagrut	Review On	12/2/2025 4:09:34 PM				
Supervise By	mohammad	Supervise On	12/3/2025 1:12:32 AM				
SubDirectory	BP112725	HP Acquire Method	BNA_P		HP Processing Method	BP111825	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026189.D	26 Nov 2025 13:23	RC/JU	Ok
2	SSTDCCC040	BP026190.D	26 Nov 2025 14:04	RC/JU	Ok
3	PB170598BL	BP026191.D	26 Nov 2025 15:07	RC/JU	Ok
4	Q3483-11	BP026192.D	26 Nov 2025 15:48	RC/JU	Dilution
5	Q3483-11DL	BP026193.D	26 Nov 2025 18:32	RC/JU	Ok
6	Q3483-12	BP026194.D	26 Nov 2025 19:14	RC/JU	Ok
7	SSTDCCC040	BP026195.D	26 Nov 2025 19:55	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_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/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	BG064744.D	12 Nov 2025 10:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064746.D	12 Nov 2025 11:58		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064747.D	12 Nov 2025 12:39		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064748.D	12 Nov 2025 13:20		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	Compound#32,54,70 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064750.D	12 Nov 2025 14:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064751.D	12 Nov 2025 15:23		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064752.D	12 Nov 2025 16:04		RC/JU	Ok,M
10	SSTDICV040	ICVBG111225	BG064753.D	12 Nov 2025 16:45		RC/JU	Ok,M
11	PB170478BL	PB170478BL	BG064754.D	12 Nov 2025 17:26		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 # BG111825

Review By	Jagrut	Review On	11/19/2025 10:55:50 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:40:03 PM		
SubDirectory	BG111825	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	P6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064798.D	18 Nov 2025 11:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064799.D	18 Nov 2025 12:10		RC/JU	Ok
3	PB170598BL	PB170598BL	BG064800.D	18 Nov 2025 12:53		RC/JU	Ok
4	PB170598BS	PB170598BS	BG064801.D	18 Nov 2025 13:34		RC/JU	Ok,M
5	Q3657-01	SEWAREN-CONCRET	BG064802.D	18 Nov 2025 14:18		RC/JU	Ok
6	Q3641-01RX	TR-05-111325RX	BG064803.D	18 Nov 2025 14:59	Surrogate Fail	RC/JU	Confirms
7	Q3658-01	NB-07-111725	BG064804.D	18 Nov 2025 15:40		RC/JU	Ok,M
8	Q3658-01MS	NB-07-111725MS	BG064805.D	18 Nov 2025 16:21		RC/JU	Ok,M
9	Q3658-01MSD	NB-07-111725MSD	BG064806.D	18 Nov 2025 17:01		RC/JU	Ok,M
10	Q3652-01	TP-1	BG064807.D	18 Nov 2025 17:42		RC/JU	Ok,M
11	Q3660-01	FRAC-TANK-M21012	BG064808.D	18 Nov 2025 18:23		RC/JU	Ok
12	Q3656-01	T2-GRAVEL	BG064809.D	18 Nov 2025 19:04		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 # BP111825

Review By	Jagrut	Review On	11/19/2025 10:53:24 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:40:33 PM		
SubDirectory	BP111825	HP Acquire Method	BNA_P	HP Processing Method	BP111825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026142.D	18 Nov 2025 13:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026143.D	18 Nov 2025 14:31		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026144.D	18 Nov 2025 15:12		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026145.D	18 Nov 2025 15:54		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP026146.D	18 Nov 2025 16:35		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026147.D	18 Nov 2025 17:57		RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP026148.D	18 Nov 2025 18:38		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP026149.D	18 Nov 2025 20:00		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP026150.D	18 Nov 2025 21:22		RC/JU	Ok,M
10	SSTDICV040	ICVBP111825	BP026151.D	18 Nov 2025 23:25		RC/JU	Ok,M
11	PB170493TB	PB170493TB	BP026152.D	19 Nov 2025 00:06		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 # BP112725

Review By	Jagrut	Review On	12/2/2025 4:09:34 PM		
Supervise By	mohammad	Supervise On	12/3/2025 1:12:32 AM		
SubDirectory	BP112725	HP Acquire Method	BNA_P	HP Processing Method	BP111825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026189.D	26 Nov 2025 13:23		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026190.D	26 Nov 2025 14:04		RC/JU	Ok
3	PB170598BL	PB170598BL	BP026191.D	26 Nov 2025 15:07		RC/JU	Ok
4	Q3483-11	HW1025-PT-BNA-SOIL	BP026192.D	26 Nov 2025 15:48	HW1025-PT-BNA-SOIL - Need 5X dilution	RC/JU	Dilution
5	Q3483-11DL	HW1025-PT-BNA-SOIL	BP026193.D	26 Nov 2025 18:32		RC/JU	Ok
6	Q3483-12	HW1025-PT-TRIAZINE	BP026194.D	26 Nov 2025 19:14		RC/JU	Ok
7	SSTDCCC040	SSTDCCC040EC	BP026195.D	26 Nov 2025 19:55		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137700

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3368-13	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-14	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3482-01	WC-1	37	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-02	WC-2	38	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-03	WC-3	39	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-04	WC-4	40	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-05	WC-5	41	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-06	WC-6	42	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-07	WC-7	43	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3483-01	HW1025-PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
Q3483-02	HW1025-PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
Q3483-03	HW1025-PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
Q3483-04	HW1025-PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
Q3483-05	HW1025-PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
Q3483-06	HW1025-PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
Q3483-07	HW1025-PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
Q3483-08	HW1025-PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
Q3483-09	HW1025-PT-OGR-SOIL	11	1.00	1.00	2.00	2.00	100.0	
Q3483-10	HW1025-PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
Q3483-11	HW1025-PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
Q3483-12	HW1025-PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
Q3483-13	HW1025-PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
Q3483-14	HW1025-PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
Q3483-15	HW1025-PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
Q3483-16	HW1025-PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
Q3483-17	HW1025-PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
Q3483-18	HW1025-PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
Q3483-19	HW1025-PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137700

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3483-20	HW1025-PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
Q3483-21	HW1025-PT-CHLOR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
Q3483-22	HW1025-PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
Q3483-23	HW1025-PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
Q3483-25	HW1025-PT-NO2-SOIL	26	1.00	1.00	2.00	2.00	100.0	
Q3485-01	TR-04-102924	27	1.15	10.30	11.45	10.84	94.1	
Q3485-02	TR-04-102924-E2	28	1.19	10.30	11.49	10.77	93.0	
Q3486-01	TP3	29	1.17	10.45	11.62	11.07	94.7	
Q3486-02	TP3-E2	30	1.18	10.40	11.58	11.11	95.5	
Q3486-03	TP4	31	1.19	10.23	11.42	9.93	85.4	
Q3486-04	TP4-E2	32	1.17	10.52	11.69	10.09	84.8	
Q3486-05	TP5	33	1.17	10.65	11.82	10.02	83.1	
Q3486-06	TP5-E2	34	1.17	10.15	11.32	9.39	81.0	
Q3486-07	TP6	35	1.13	10.25	11.38	10.16	88.1	
Q3486-08	TP6-E2	36	1.16	10.48	11.64	10.32	87.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB 137700

WorkList Name : %1-102925 **WorkList ID :** 192745 **Department :** Wet-Chemistry **Date :** 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-13	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-14	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3482-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-02	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-03	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-06	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-07	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3483-01	HW1025-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-02	HW1025-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-03	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-04	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-05	HW1025-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-06	HW1025-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-07	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-08	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-09	HW1025-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-10	HW1025-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-11	HW1025-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-12	HW1025-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO

Date/Time 10/29/25 15:00

Raw Sample Received by: DWC

Raw Sample Relinquished by: CA (SM)

Date/Time 10/29/25 17:30

Raw Sample Received by: CA (SM)

Raw Sample Relinquished by: DWC

WORKLIST(Hardcopy Internal Chain)

WB137700

WorkList Name : %1-102925 **WorkList ID :** 192745 **Department :** Wet-Chemistry **Date :** 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-13	HW1025-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-14	HW1025-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-15	HW1025-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-16	HW1025-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-17	HW1025-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-18	HW1025-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-19	HW1025-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-20	HW1025-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-21	HW1025-PT-CHLOR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-22	HW1025-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-23	HW1025-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-25	HW1025-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3485-01	TR-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3485-02	TR-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3486-01	TP3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-02	TP3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-03	TP4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-04	TP4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-05	TP5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-06	TP5-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-07	TP6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/29/25 1310.00

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by: AA (SM)

Date/Time 10/29/25 1730

Raw Sample Received by: AA (SM)

Raw Sample Relinquished by: JB (WC)

WORKLIST(Hardcopy Internal Chain)

VB 137700

WorkList Name : %1-102925 **WorkList ID :** 192745 **Department :** Wet-Chemistry **Date :** 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3486-08	TP6-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/29/25 151.00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 10/29/25 1730

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137714

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3483-24	HW1025-PT-SOL-SOIL	1	1.16	10.70	11.86	9.24	75.5	
Q3487-01	KZZ294Z-A	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-02	KZZ294Z-B	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-03	KZZ256R-A	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-04	KZZ256R-B	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-05	JEH623H-A	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-06	JEH623H-B	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-07	M3-A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-08	M3-B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3488-01	MOO-25-0294-0298	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3488-02	MOO-25-0299	11	1.15	10.33	11.48	10.88	94.2	
Q3488-04	MOO-25-0302-0310	12	1.18	10.45	11.63	10.08	85.2	
Q3488-05	MOO-25-0302-0310	13	1.15	10.46	11.61	10.7	91.3	
Q3488-06	MOO-25-0311-0313	46	1.15	10.37	11.52	10.64	91.5	
Q3489-01	245F72-A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-02	245F72-B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-03	L54-A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-04	L54-B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-05	L55-A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-06	L55-A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-07	L56-A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-08	L56-B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-09	L57-A	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-10	L57-B	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-11	L58-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-12	L58-2	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-13	L59-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-14	L59-B	27	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137714

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3489-15	L60-A	28	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-16	L60-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-17	L61-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-18	L61-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-19	L62-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-20	L62-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-21	L63-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-22	L63-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-23	L64-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-24	L64-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-25	L65-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-26	L65-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-27	STC21-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-28	STC21-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-29	STF24-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-30	STF24-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3490-01	LAW-25-0151	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3491-01	SOIL-CUTTINGS-COMP	45	1.18	10.80	11.98	9.13	73.6	
Q3495-01	SB-1025-1	47	1.19	10.24	11.43	8.99	76.2	
Q3495-02	SB-1025-2	48	1.14	10.43	11.57	8.97	75.1	
Q3496-01	DRILL-CUTTINGS	49	1.19	10.61	11.8	10.33	86.1	
Q3496-02	DRILL-CUTTINGS-E2	50	1.13	10.49	11.62	10.11	85.6	
Q3497-01	OK-01-103025	51	1.13	10.93	12.06	10.37	84.5	
Q3497-02	OK-01-103025-E2	52	1.19	10.59	11.78	10.25	85.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB137714

WorkList Name : %1-103025 **WorkList ID :** 192793 **Department :** Wet-Chemistry **Date :** 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-24	HW1025-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3487-01	KZZ294Z-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-02	KZZ294Z-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-03	KZZ256R-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-04	KZZ256R-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-05	JEH623H-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-06	JEH623H-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-07	M3-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-08	M3-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3488-01	MOO-25-0294-0298	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-02	MOO-25-0299	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-04	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-05	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-06	MOO-25-0311-0313	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-01	245F72-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-02	245F72-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-03	L54-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-04	L54-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-05	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-06	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-07	L56-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00

Raw Sample Received by: [illegible] (WC)

Raw Sample Relinquished by: RJ (FedEx Ground)

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ (FedEx Ground)

Raw Sample Relinquished by: [illegible] (WC)

WORKLIST(Hardcopy Internal Chain)

MB 137714

WorkList Name : %1-103025 **WorkList ID :** 192793 **Department :** Wet-Chemistry **Date :** 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-08	L56-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-09	L57-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-10	L57-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-11	L58-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-12	L58-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-13	L59-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-14	L59-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-15	L60-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-16	L60-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-17	L61-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-18	L61-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-19	L62-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-20	L62-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-21	L63-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-22	L63-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-23	L64-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-24	L64-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-25	L65-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-26	L65-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-27	STC21-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-28	STC21-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:10

Raw Sample Received by: RD (WC)

Raw Sample Relinquished by: RJ (EH-Feb)

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ (EH-Feb)

Raw Sample Relinquished by: RD (WC)

WORKLIST(Hardcopy Internal Chain)

VB 13F714

WorkList Name : %1-103025 **WorkList ID :** 192793 **Department :** Wet-Chemistry **Date :** 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-29	STF24-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-30	STF24-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3490-01	LAW-25-0151	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3491-01	SOIL-CUTTINGS-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3495-01	SB-1025-1	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3495-02	SB-1025-2	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3496-01	DRILL-CUTTINGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3496-02	DRILL-CUTTINGS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3497-01	OK-01-103025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO
Q3497-02	OK-01-103025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO

Date/Time 10/30/25 15:00
Raw Sample Received by: LWC
Raw Sample Relinquished by: RJ (EH-lab)

Date/Time 10/30/25 17:30
Raw Sample Received by: RJ (EH-lab)
Raw Sample Relinquished by: LWC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170598

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/18/2025
Matrix :	Solid			**Extraction Start Time :**	09:18
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/18/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6918
LOD	1.0ML	~~N/A~~ 4PPM/8 PPM	SP6920/6922
LOQ	1.0ML	~~N/A~~ 5PPM/10PPM	SP6921/6923
LOQ	0.5ML	~~N/A~~ 5PPM	SP6921

RS 11/18

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/25	RS (Ext Lab)	JG/SVOC
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170598

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 11/18/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170598BL	SBLK598	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB170598BS	SLCS598	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3483-11	HW1025-PT-BNA-SOIL	SVOCMS Group1	29.85	N/A	ritesh	Evelyn	1			3
Q3483-12	HW1025-PT-TRIAZINE-SOIL	SVOCMS Group4	30.36	N/A	ritesh	Evelyn	1			4
Q3530-01	LOD-MDL-SOIL-01-QT4-2025 4PPM	SVOC-Chemtech Full -25	30.02	N/A	ritesh	Evelyn	1			4
Q3530-02	LOQ-SOIL-02-QT4-2025 5PPM	SVOC-Chemtech Full -25	30.03	N/A	ritesh	Evelyn	1			6
Q3641-01	TR-05-111325	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		U1-1
Q3652-01	TP-1	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		2
Q3656-01	T2-GRAVEL	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E	Stone + Small Particles	3
Q3657-01	SEWAREN-CONCRETE	SVOC-PAH	50.05	N/A	ritesh	Evelyn	1	B	Concrete	4
Q3658-01	NB-07-111725	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		5
Q3658-01MS	NB-07-111725MS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q3658-01MSD	NB-07-111725MSD	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		U2-1
Q3530-01	LOD-SOIL-QT4-2025 8PPM	SVOC-Chemtech Full -25	30.04	1	1	1	1			2
Q3530-02	LOQ-SOIL-QT4-2025 10PPM	1	30.01	1	1	1	1			3
Q3530-02	LOQ-SOIL-QT4-2025 2.5PPM	1	30.02	1	1	1	1			4

RS 11/18

* **Extracts relinguished on the same date as received.**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

RE-EXTRACTION NOTIFICATION

DATE: 11/18/25 Initiated by: JY

Fraction: SVOC

Reason: ✓ Low Surrogate Recovery

____ Other _____

Samples affected:	Matrix	Sample Date	Prep. Batch	Extra Sample Yes No	Verified By	New Prep. Batch
Q3642-02	Soil	11-13-25	PB170576	YES	RS	PB170598
						RS 11/18

Extraction Supervisor Signature: RS Date: 11/18/25

Form Initiator's Signature: JY Date: 11/18/25

170598
9:18

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3657 **WorkList ID :** 193170 **Department :** Extraction **Date :** 11-18-2025 08:33:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-11	HW1025-PT-BNA-SOIL	Solid	SVOCMS Group1	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8270E
Q3483-12	HW1025-PT-TRIAZINE-SOIL	Solid	SVOCMS Group4	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8270E
Q3530-01	LOD-MDL-SOIL-01-QT4-2025	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	ALLI03	QA Of	11/03/2025	8270E
Q3530-02	LOQ-SOIL-02-QT4-2025	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	ALLI03	QA Of	11/03/2025	8270E
Q3641-01	TR-05-111325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/13/2025	8270E
Q3652-01	TP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/17/2025	8270E
Q3656-01	T2-GRAVEL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/17/2025	8270E
Q3657-01	SEWAREN-CONCRETE	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D41	11/17/2025	8270E
Q3658-01	NB-07-111725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/17/2025	8270E

Date/Time 11/18/25 9:15
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by: CP SM

Date/Time 11/18/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q3483

Test : SVOCMS Group4

Prepbatch ID : PB170598,

Sequence ID/Qc Batch ID: BG111825,BP112725,

Standard ID :
EP2655,EP2659,SP6856,SP6860,SP6875,SP6895,SP6909,SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917,SP6918,SP6919,SP6920/6922,SP6921,SP6921/6923,SP6927,SP6928,

Chemical ID :
10ul/1000ul sample,E3875,E3951,E3954,E3973,E3979,E3980,E3982,E3986,P6910,S11485,S11652,S11791,S11807,S12197,S12201,S12202,S12203,S12204,S12220,S12245,S12246,S12306,S12307,S12309,S12560,S12561,S12562,S12563,S12564,S12577,S12739,S12740,S12776,S12777,S12905,S12906,S12907,S12908,S12909,S13097,S13098,S13099,S13100,S13101,S13121,S13122,S13123,S13149,S13160,S13170,S13182,S13183,S13184,S13207,S13214,S13215,S13232,S13233,S13244,S13245,S13246,S13247,S13248,S13249,S13299,

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	EP2655	10/24/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/24/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2659	11/03/2025	04/16/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM 8000.00000ml of E3980 + 8000.00000ml of E3982 = Final Quantity: 16000.000 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
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6895	10/16/2025	11/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 10/16/2025

FROM 0.20000ml of S11485 + 0.20000ml of S11652 + 0.20000ml of S13149 + 0.20000ml of S13160 + 0.20000ml of S13207 + 0.20000ml of S13244 + 0.40000ml of S13101 + 0.70000ml of S13097 + 1.10000ml of S12560 + 1.20000ml of S13122 + 1.20000ml of S13245 + 1.20000ml of S13246 + 1.20000ml of S13247 + 1.20000ml of S13248 + 1.30000ml of S12561 + 1.30000ml of S12562 + 1.30000ml of S12563 + 1.30000ml of S13098 + 1.30000ml of S13099 + 1.30000ml of S13100 + 1.30000ml of S13121 + 81.50000ml of E3979 = Final Quantity: 100.000 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
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6909	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.04000ml of S13207 + 0.05000ml of S13232 + 0.15000ml of S13214 + 0.20000ml of S12201 + 0.35000ml of S13215 + 0.40000ml of S12905 + 0.45000ml of S13233 + 0.50000ml of S12246 + 0.50000ml of S12777 + 0.50000ml of S13122 + 1.00000ml of S12309 + 1.00000ml of S12740 + 4.86000ml of E3980 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6910	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.20000ml of E3980 + 0.80000ml of SP6909 = 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
4217	60ng ICC	SP6911	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.40000ml of E3980 + 0.60000ml of SP6909 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6912	11/11/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.87500ml of E3980 + 0.12500ml 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
4219	40ng ICC	SP6913	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.60000ml of E3980 + 0.40000ml of SP6909 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6914	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.80000ml of E3980 + 0.20000ml of SP6909 = 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
4221	10ng ICC	SP6915	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.75000ml of E3980 + 0.25000ml of SP6913 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6916	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.87500ml of E3980 + 0.12500ml of SP6913 = 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
4223	2.5ng ICC	SP6917	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.50000ml of E3980 + 0.50000ml of SP6916 = Final Quantity: 1.010 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	SP6918	11/13/2025	03/22/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 1.50000ml of S12905 + 2.00000ml of S12909 + 4.00000ml of S12201 + 5.50000ml of S12202 + 5.50000ml of S12203 + 5.50000ml of S12906 + 5.50000ml of S12907 + 5.50000ml of S12908 + 965.00000ml of E3982 = 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
1366	LOQ & LOD 20 PPM	SP6919	11/17/2025	04/16/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/17/2025

FROM 0.20000ml of S13123 + 0.40000ml of S12564 + 0.40000ml of S13249 + 0.40000ml of S13299 + 18.60000ml of E3986 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1368	LOQ & LOD 5 PPM	SP6921	11/17/2025	04/16/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/17/2025

FROM 6.00000ml of E3986 + 2.00000ml of SP6919 = Final Quantity: 8.000 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)	SP6927	11/18/2025	04/16/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.04000ml of S12204 + 0.08000ml of S12909 + 0.10000ml of S11791 + 0.20000ml of S12564 + 0.20000ml of S13249 + 0.20000ml of S13299 + 1.18000ml of E3986 = 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	SP6928	11/18/2025	04/16/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.01000ml of S13183 + 0.60000ml of E3986 + 0.40000ml of SP6927 = Final Quantity: 1.010 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.	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-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24L1062001	10/04/2027	10/15/2025 / RITESHKUMAR	09/29/2025 / Riteshkumar	E3979

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

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24L1062001	10/04/2027	10/31/2025 / RUPESH	10/31/2025 / RUPESH	E3982

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	11/14/2025 / RUPESH	11/05/2025 / RUPESH	E3986

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
ULTRA Scientific	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	CR-3523	09/30/2019	06/17/2018 / eghosa	12/04/2017 / eghosa	P6910

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
ULTRA Scientific	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	CR-3523	09/30/2019	06/17/2018 / eghosa	12/04/2017 / eghosa	P6910

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	04/16/2026	10/16/2025 / Jagrut	08/10/2023 / yogesh	S11485

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

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	A0196453	05/18/2026	11/18/2025 / Jagrut	11/21/2023 / Rahul	S11791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	03/22/2026	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	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	05/13/2026	11/13/2025 / Jagrut	03/15/2024 / Rahul	S12202

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	05/13/2026	11/13/2025 / Jagrut	03/15/2024 / Rahul	S12203

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	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	05/18/2026	11/18/2025 / Jagrut	03/15/2024 / Rahul	S12204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	04/08/2026	10/08/2025 / Jagrut	05/14/2024 / Rahul	S12246

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

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	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	11/07/2025 / Jagrut	05/30/2024 / Rahul	S12309

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	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12561

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	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12562

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	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12563

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	07/31/2026	11/17/2025 / Jagrut	07/23/2024 / RAHUL	S12564

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	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 #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	11/07/2025 / Jagrut	10/08/2024 / anahy	S12740

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	04/08/2026	10/08/2025 / Jagrut	11/08/2024 / anahy	S12777

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

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	05/13/2026	11/13/2025 / Jagrut	12/09/2024 / anahy	S12906

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	05/13/2026	11/13/2025 / Jagrut	12/09/2024 / anahy	S12907

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	05/13/2026	11/13/2025 / Jagrut	12/09/2024 / anahy	S12908

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	05/13/2026	11/13/2025 / Jagrut	12/09/2024 / anahy	S12909

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13098

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	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13099

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	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13100

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	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13101

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	04/08/2026	10/08/2025 / Jagrut	05/20/2025 / Rahul	S13121

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	04/16/2026	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13122

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	05/17/2026	11/17/2025 / Jagrut	05/20/2025 / Rahul	S13123

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	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	05/07/2026	11/07/2025 / rahul	06/02/2025 / anahy	S13182

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	05/13/2026	11/13/2025 / rahul	06/02/2025 / anahy	S13183

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	05/21/2026	11/21/2025 / Jagrut	06/02/2025 / anahy	S13184

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	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	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	05/07/2026	11/07/2025 / Jagrut	07/10/2025 / anahy	S13215

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	05/07/2026	11/07/2025 / Jagrut	08/01/2025 / Rahul	S13232

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	03/23/2026	09/22/2025 / Jagrut	08/06/2025 / Rahul	S13245

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	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13246

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	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13247

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	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13248

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	04/27/2026	10/27/2025 / Jagrut	08/06/2025 / Rahul	S13249

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]	A0229652	04/27/2026	10/27/2025 / Jagrut	10/15/2025 / rahul	S13299

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.

E 3875

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date:2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.3 %
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

E3979

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.: 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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date:2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.3 %
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

Received on 10/29/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3982

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.: 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

Received on 11/5/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

J Croak

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.

S11484 ↓ S11493 Y.P. 08/10/23

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

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.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 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	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* 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.)

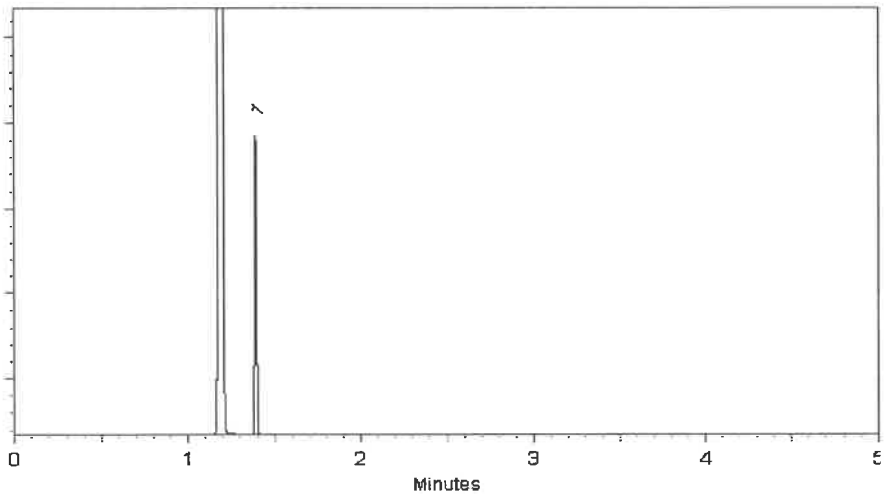
Inj. Temp:
250°C

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.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-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. : 31853 **Lot No.:** A0200655

S11795 ↓ S11808 RC 11/30/23

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

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.)

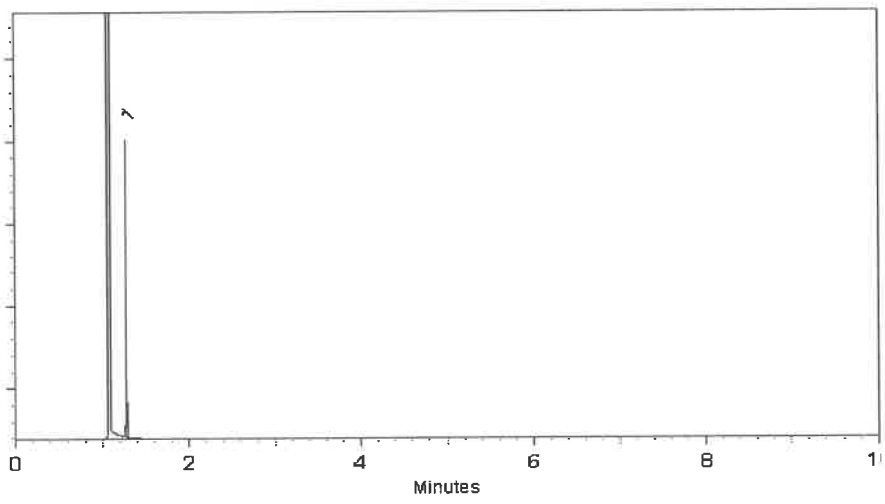
Inj. Temp:
250°C

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

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. : 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.)

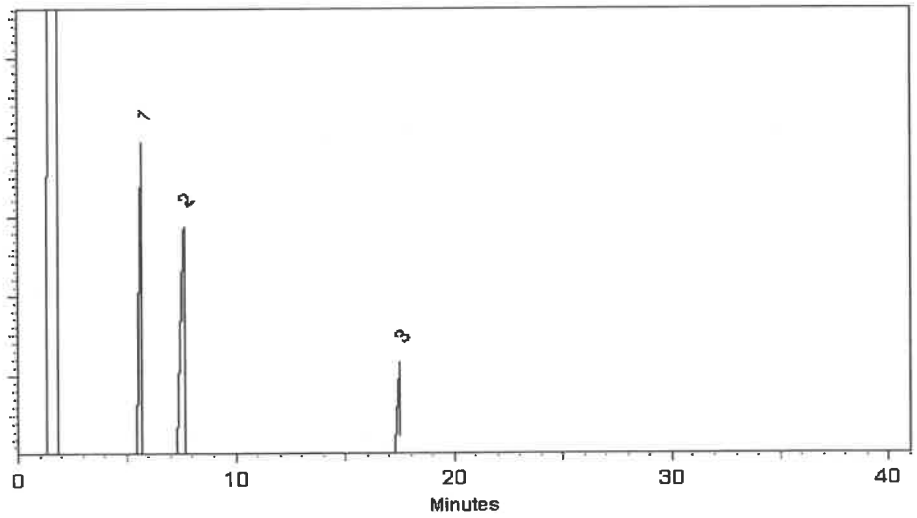
Inj. Temp:
250°C

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

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. : 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.)

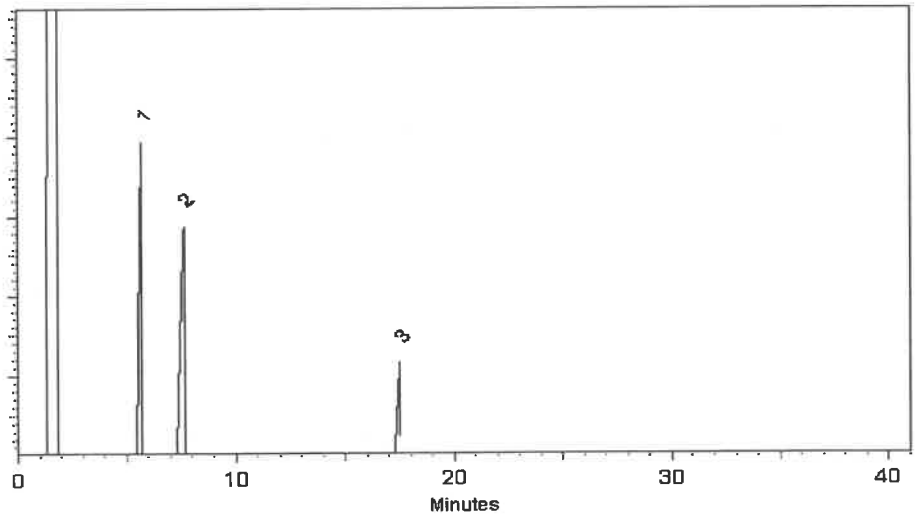
Inj. Temp:
250°C

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

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. : 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.)

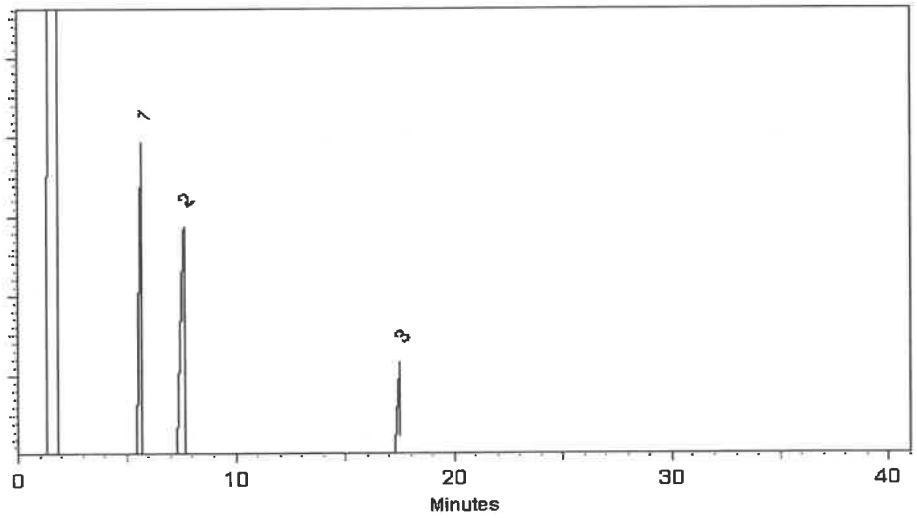
Inj. Temp:
250°C

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

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. : 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.)

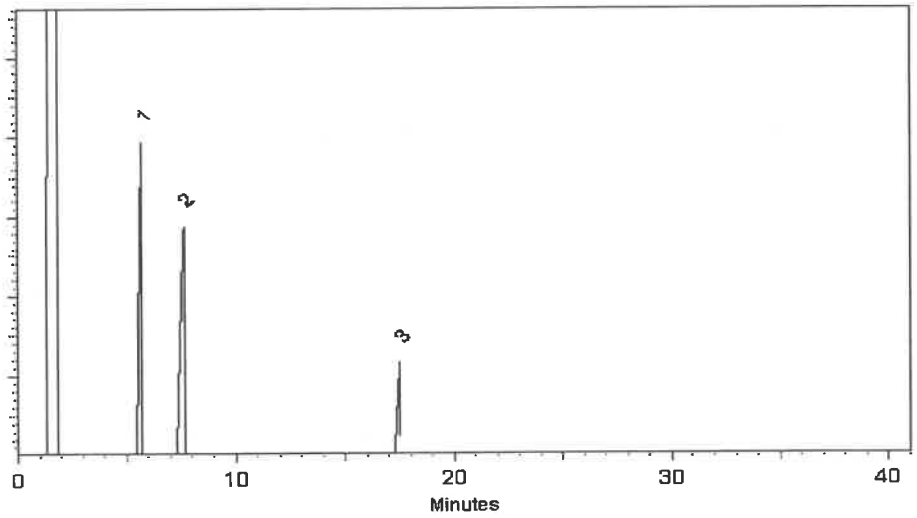
Inj. Temp:
250°C

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

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. : 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.)

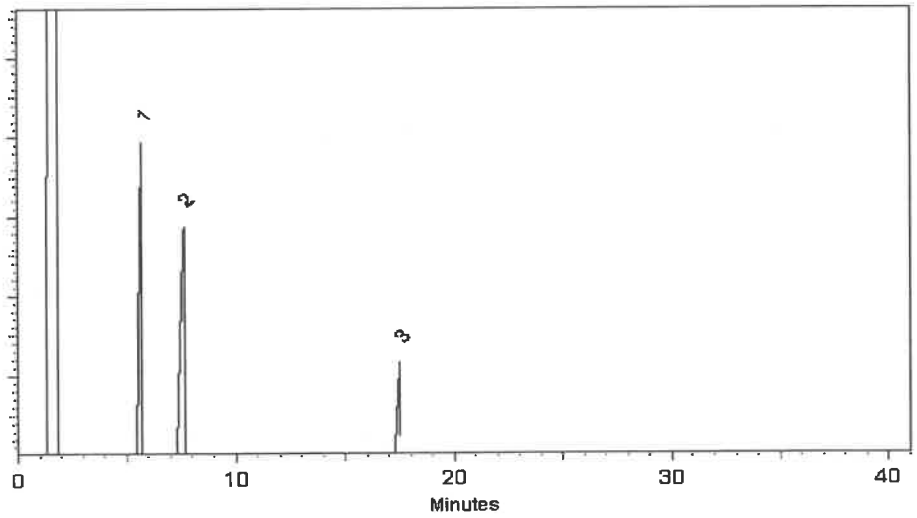
Inj. Temp:
250°C

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

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

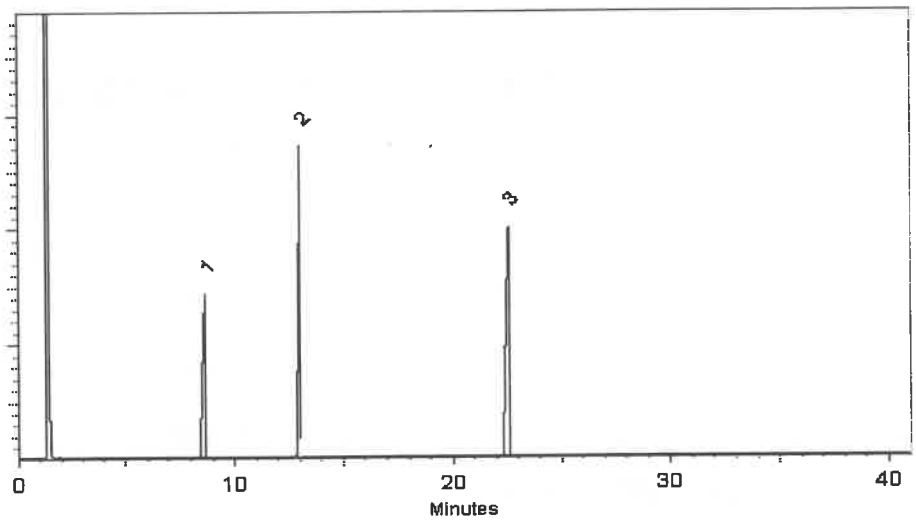
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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. : 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.)

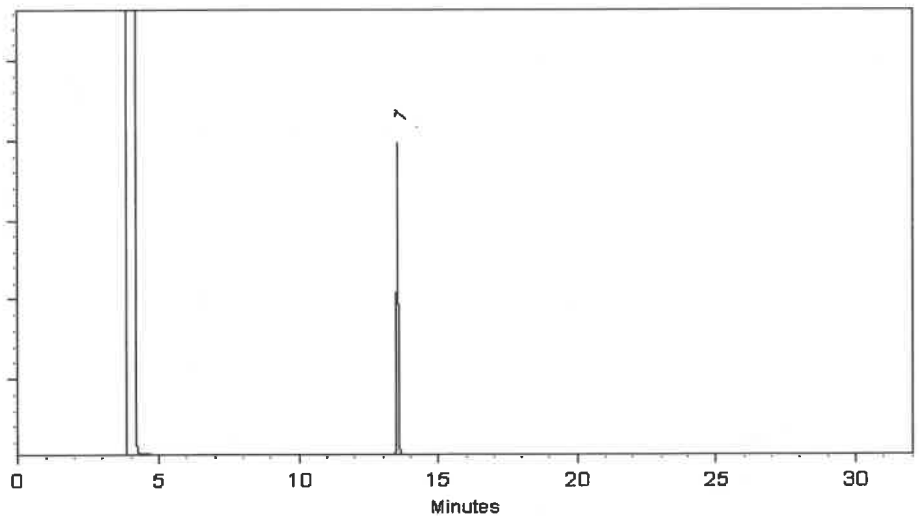
Inj. Temp:
200°C

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

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. : 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.)

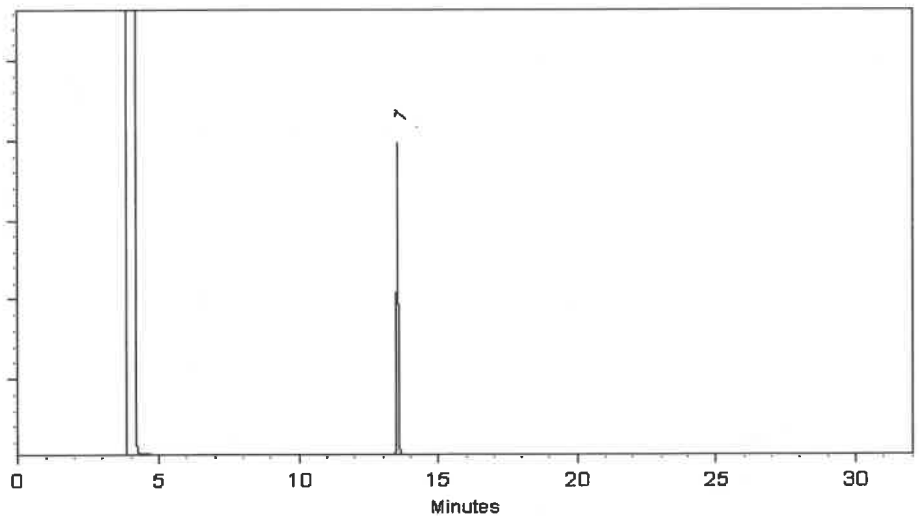
Inj. Temp:
200°C

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

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.

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.)

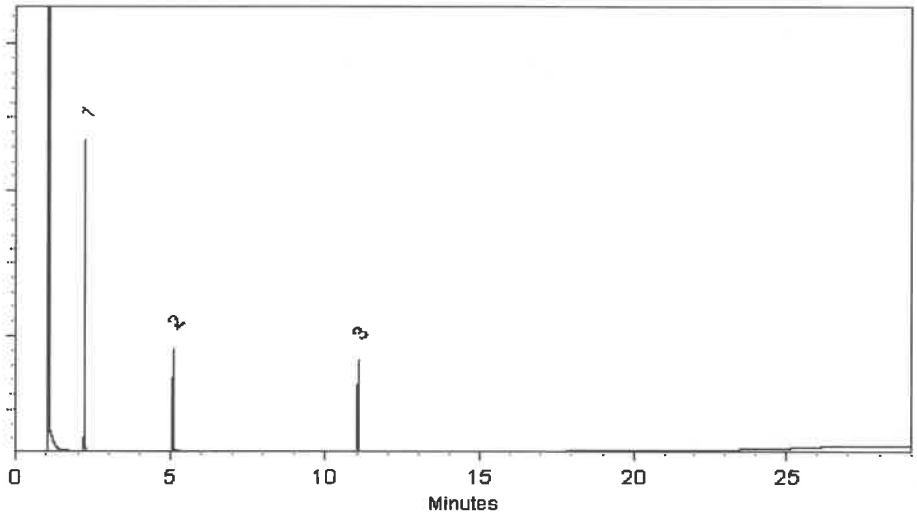
Inj. Temp:
250°C

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

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.

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.)

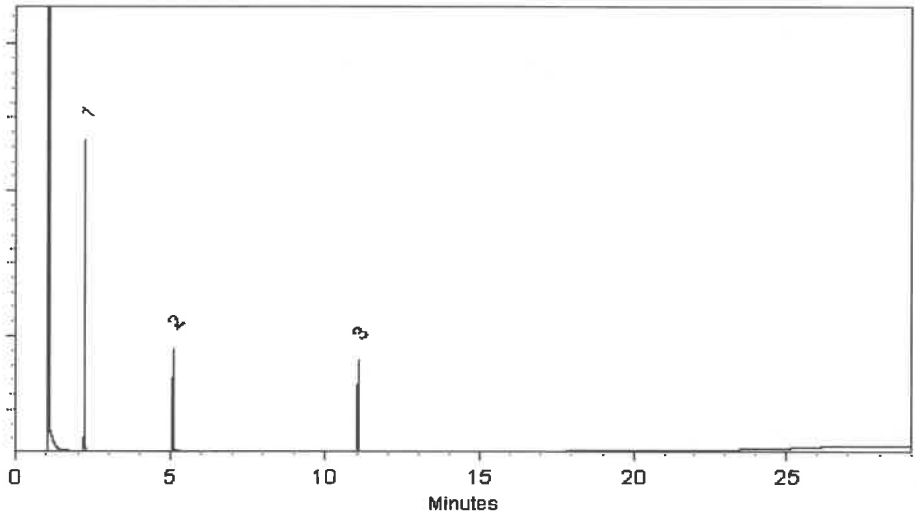
Inj. Temp:
250°C

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

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.

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.)

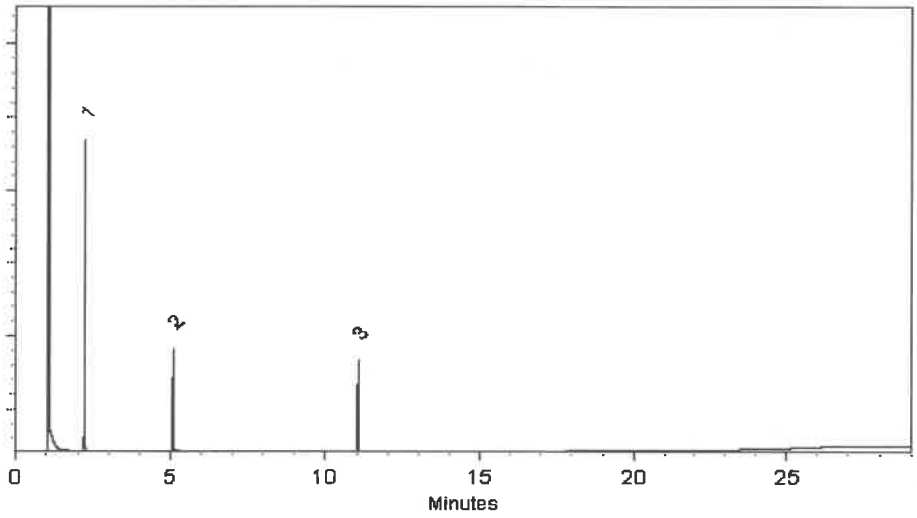
Inj. Temp:
250°C

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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 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.)

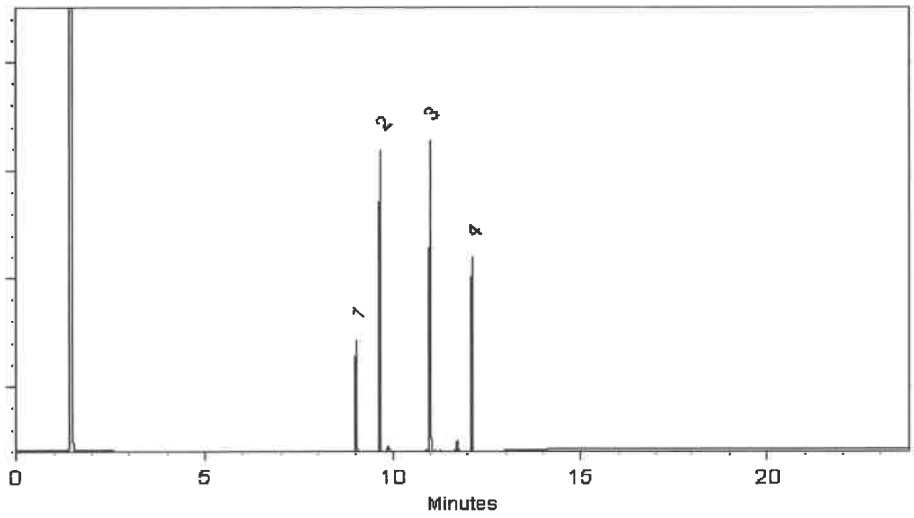
Inj. Temp:
250°C

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.

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

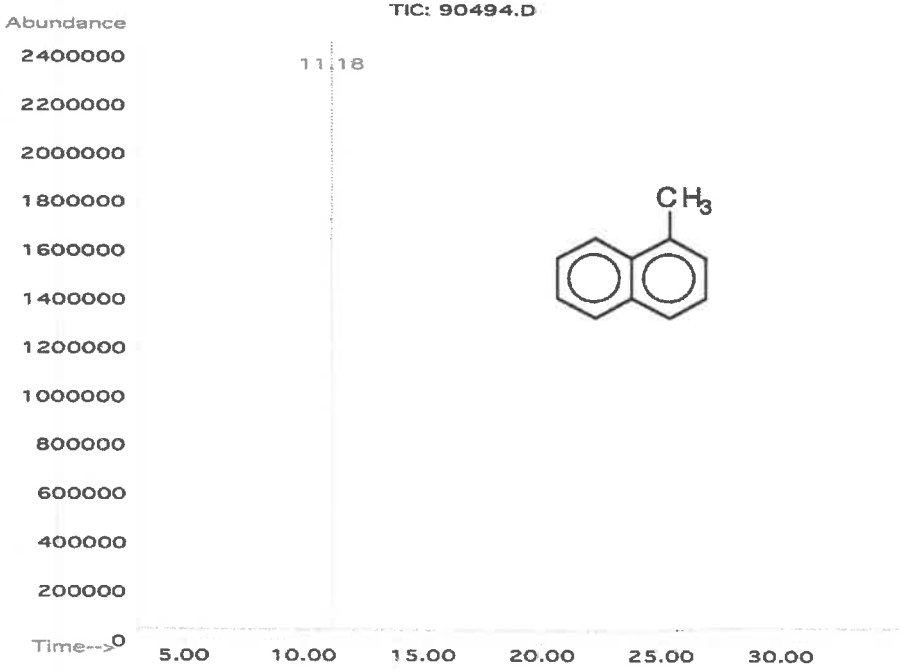
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

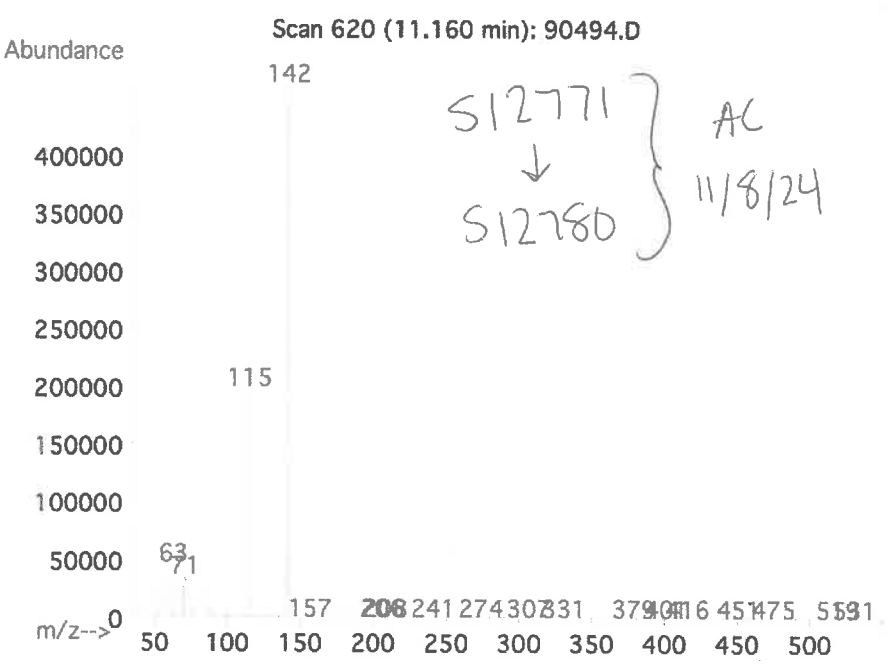
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Prashant Chauhan		061323
Formulated By:	Prashant Chauhan	DATE
Pedro L. Rentas		061323
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	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 certifed (+/-) 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).

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

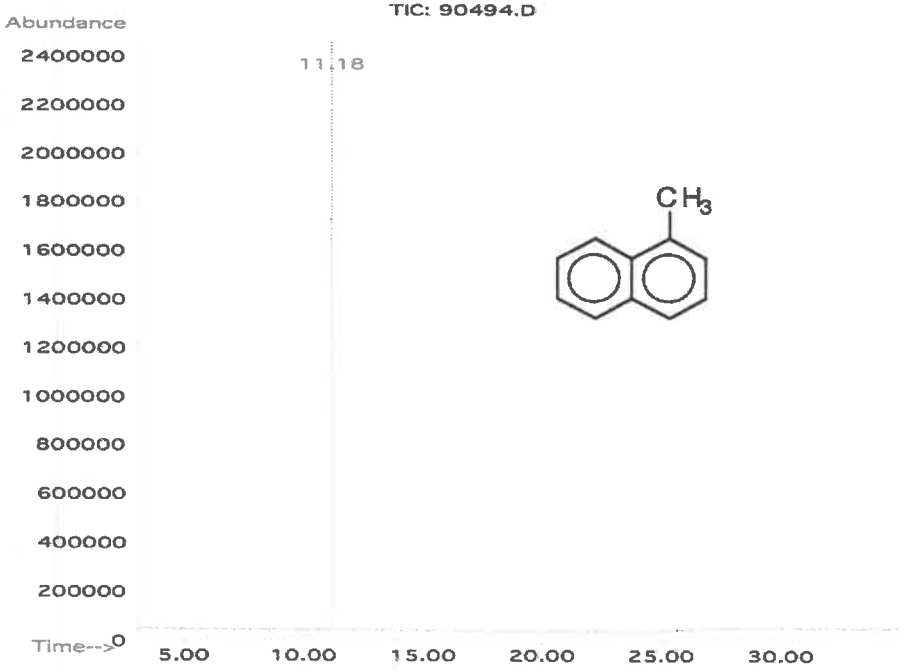
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

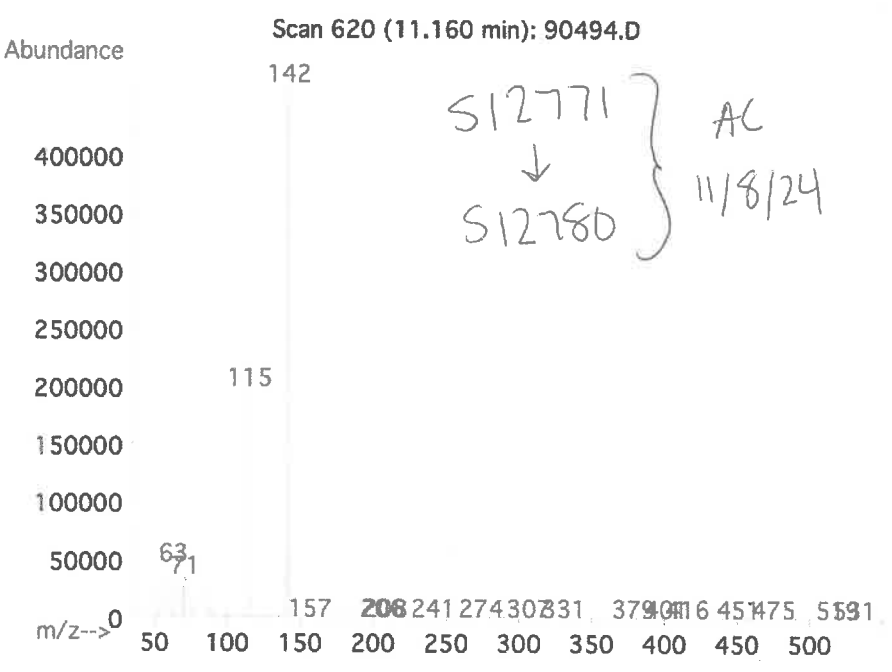
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Prashant Chauhan		061323
Formulated By:	Prashant Chauhan	DATE
Pedro L. Rentas		061323
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	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 certifed (+/-) 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

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

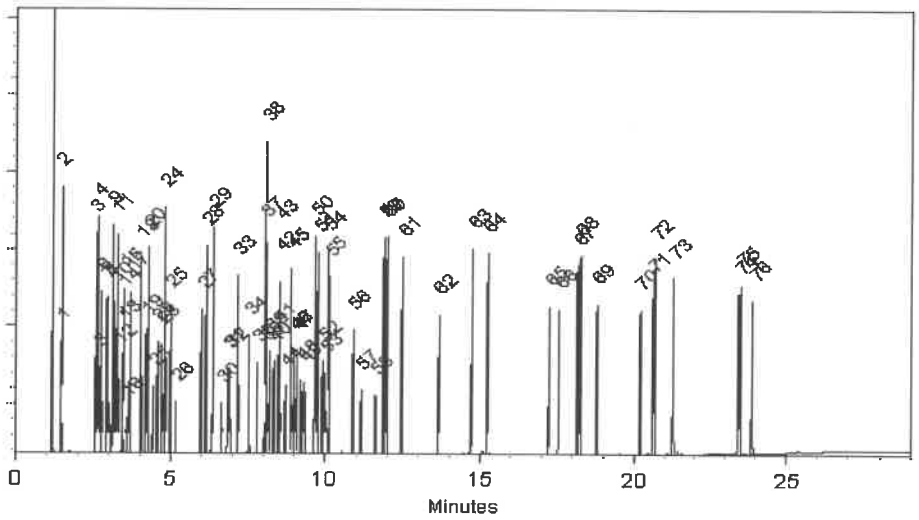
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

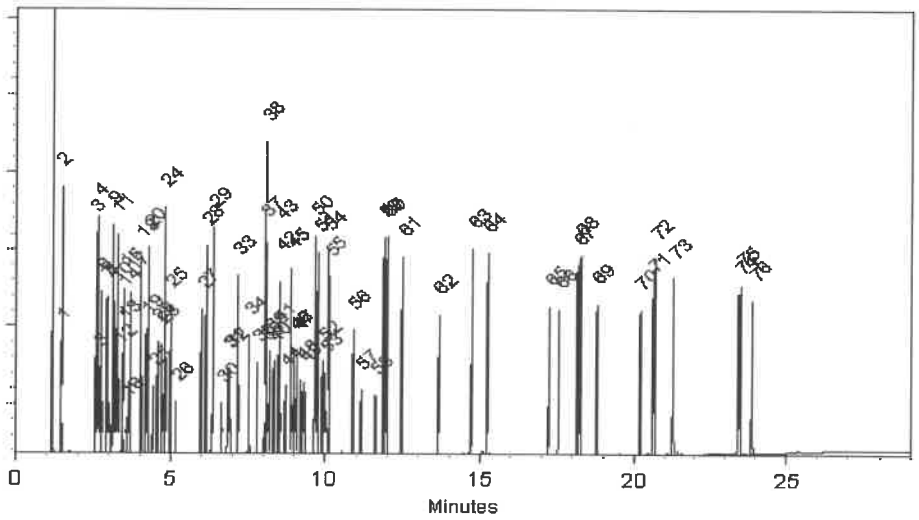
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

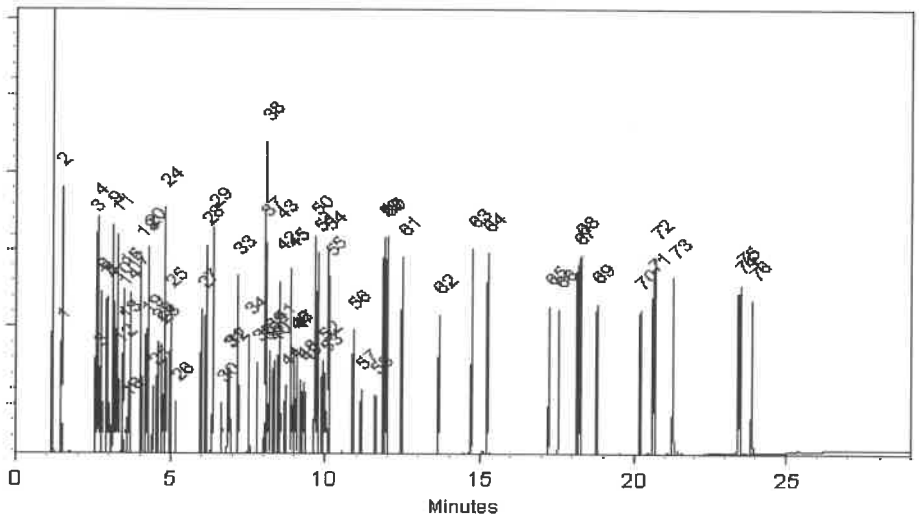
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

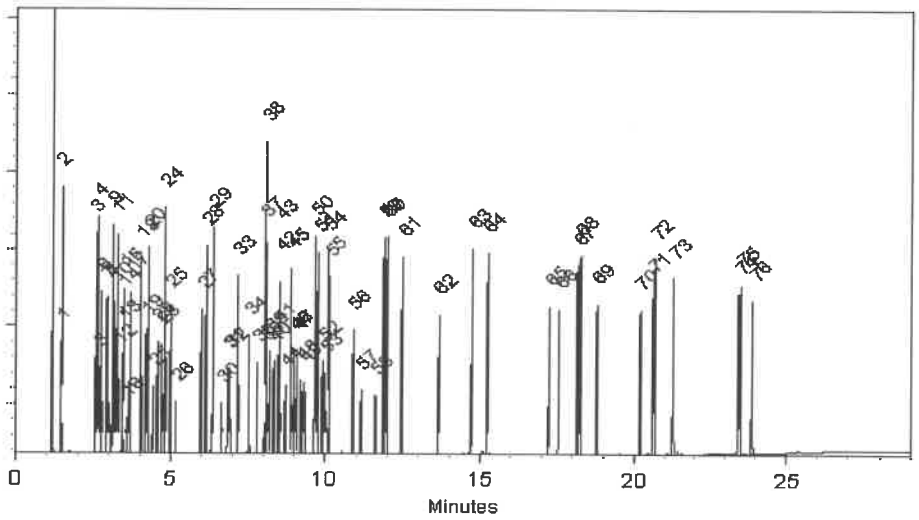
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

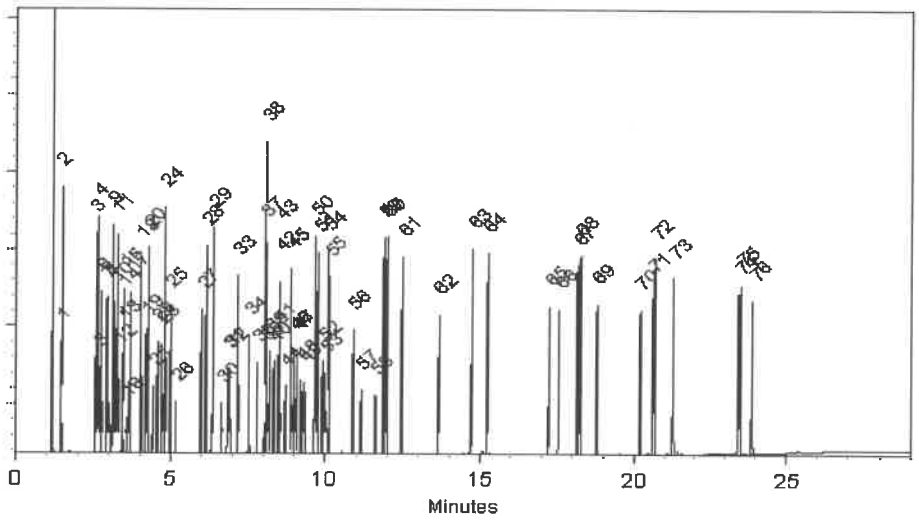
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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. : 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.)

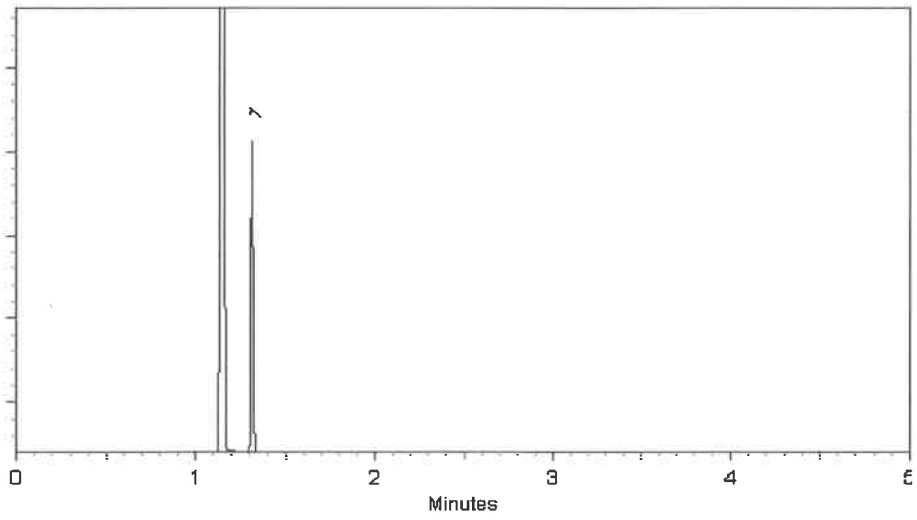
Inj. Temp:
250°C

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

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. : 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.)

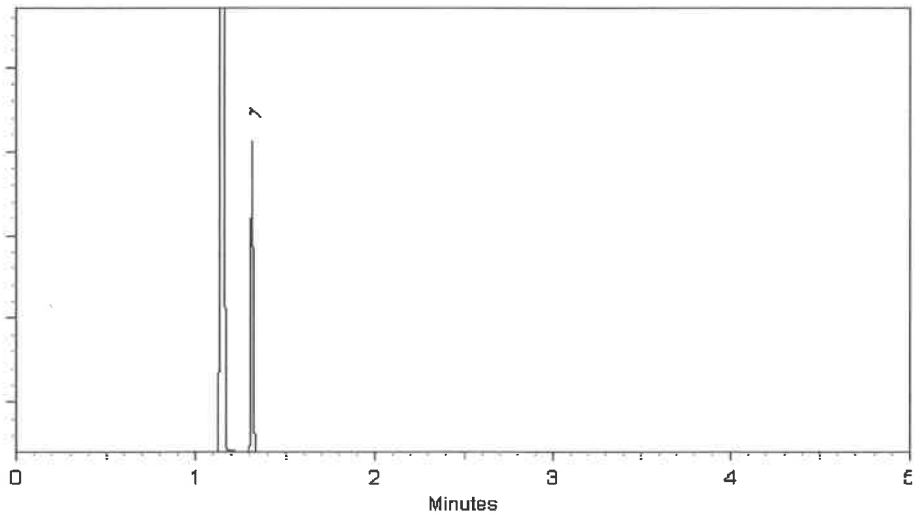
Inj. Temp:
250°C

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

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. : 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.)

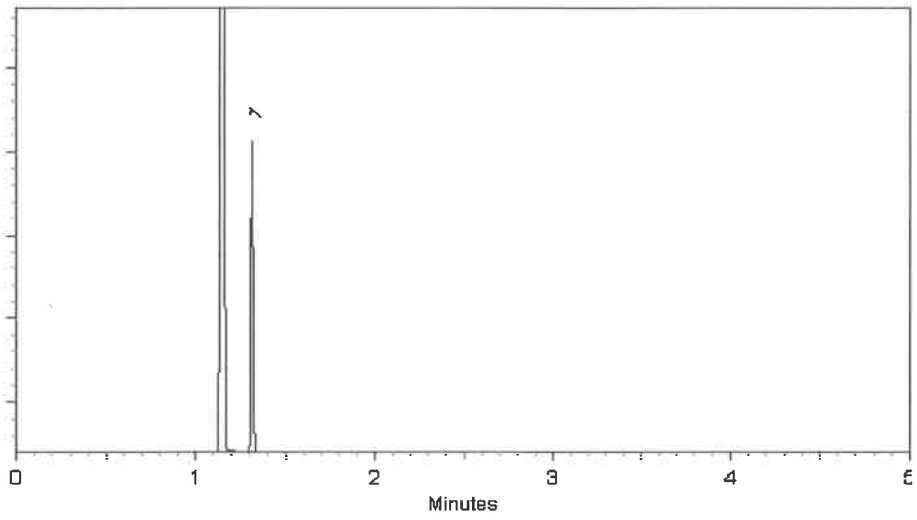
Inj. Temp:
250°C

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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 } RC/
↓ } 6/4/25
S13167

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

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

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

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

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. : 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 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. : 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.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 RC/ 8/1/25

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.)

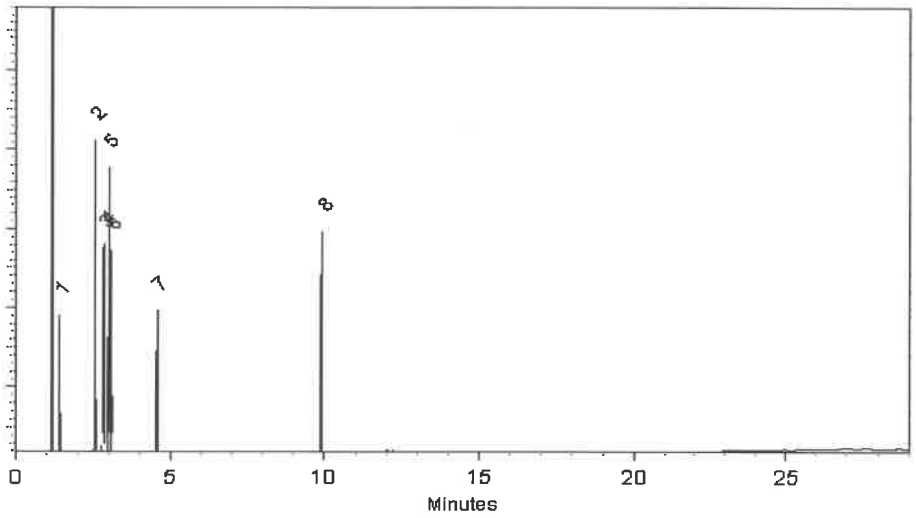
Inj. Temp:
250°C

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

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.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 RC/ 8/1/25

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.)

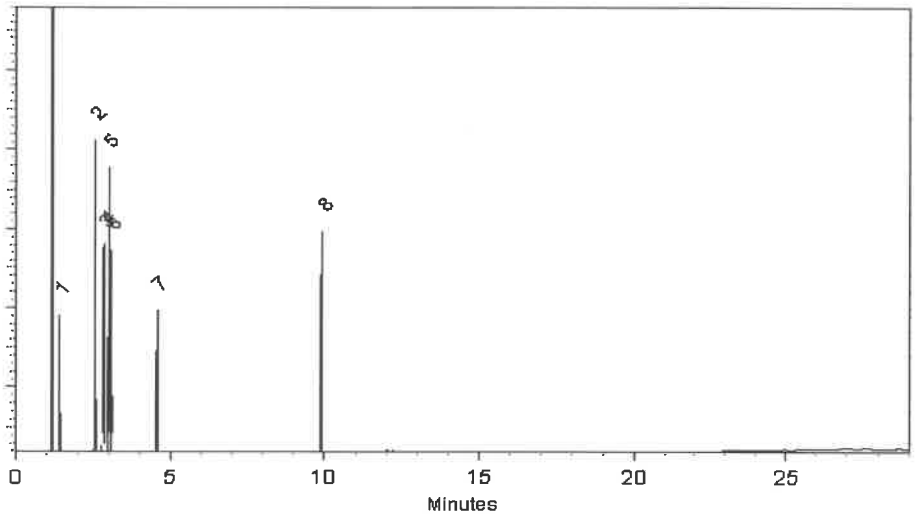
Inj. Temp:
250°C

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

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.:** 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

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.:** 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

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.:** 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

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.:** 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

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.:** 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

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.:** 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

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.:** A0229652

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S13299 ↓ S13328 RC 10/17/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 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	Pyridine	110-86-1	SHBR4811	99%	1,004.9 µg/mL	+/- 36.5621
2	N-Nitrosodimethylamine	62-75-9	S250717RSR	99%	1,004.5 µg/mL	+/- 36.5484
3	Phenol	108-95-2	MKCT5446	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,004.8 µg/mL	+/- 36.5575
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.6 µg/mL	+/- 36.5166
6	2-Chlorophenol	95-57-8	STBK4742	99%	1,004.5 µg/mL	+/- 36.5484
7	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,003.8 µg/mL	+/- 36.5211
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.8 µg/mL	+/- 36.5211
9	Benzyl alcohol	100-51-6	094986W07G	99%	1,003.8 µg/mL	+/- 36.5211
10	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	1,004.9 µg/mL	+/- 36.5621
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.3 µg/mL	+/- 36.5393
12	2,2'-oxybis(1-chloropropane)	108-60-1	RP250904RSR	99%	1,005.0 µg/mL	+/- 36.5666
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.4 µg/mL	+/- 18.2788
14	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	502.3 µg/mL	+/- 18.2742
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.9 µg/mL	+/- 36.5621
16	Hexachloroethane	67-72-1	DAXRI	99%	1,003.9 µg/mL	+/- 36.5257
17	Nitrobenzene	98-95-3	10224044	99%	1,003.9 µg/mL	+/- 36.5257

18	Isophorone	78-59-1	MKCR3249	99%	1,004.8	µg/mL	+/- 36.5575
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.6	µg/mL	+/- 36.5166
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.1	µg/mL	+/- 36.5348
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.5	µg/mL	+/- 36.5484
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.8	µg/mL	+/- 36.5575
23	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,004.0	µg/mL	+/- 36.5302
24	Naphthalene	91-20-3	STBL1057	99%	1,004.0	µg/mL	+/- 36.5302
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.5	µg/mL	+/- 36.5484
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.7	µg/mL	+/- 36.4816
27	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,004.3	µg/mL	+/- 36.5393
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.5	µg/mL	+/- 36.4029
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3847
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,004.0	µg/mL	+/- 36.5302
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,003.5	µg/mL	+/- 36.5120
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,003.6	µg/mL	+/- 36.5152
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,003.6	µg/mL	+/- 36.5166
34	2-Nitroaniline	88-74-4	RP250625RSR	99%	1,003.8	µg/mL	+/- 36.5211
35	1,4-Dinitrobenzene	100-25-4	RP250401RSR	99%	1,004.6	µg/mL	+/- 36.5530
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.4	µg/mL	+/- 36.3974
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.8	µg/mL	+/- 36.5575
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,003.5	µg/mL	+/- 36.5120
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.6	µg/mL	+/- 36.5530
40	1,2-Dinitrobenzene	528-29-0	RP250203RSR	99%	1,002.6	µg/mL	+/- 36.4802
41	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,003.8	µg/mL	+/- 36.5211
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,004.1	µg/mL	+/- 36.5348
44	Dibenzofuran	132-64-9	MKCW3845	99%	1,003.6	µg/mL	+/- 36.5166
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,003.8	µg/mL	+/- 36.5211
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,003.0	µg/mL	+/- 36.4938
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,003.8	µg/mL	+/- 36.5211
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP250724RSR	99%	1,003.1	µg/mL	+/- 36.4984
49	Fluorene	86-73-7	10246250	98%	1,002.9	µg/mL	+/- 36.4905
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.3	µg/mL	+/- 36.5393
51	Diethylphthalate	84-66-2	223219R19C	99%	1,004.8	µg/mL	+/- 36.5575
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,004.0	µg/mL	+/- 36.5302
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S250805RSR	99%	1,004.8	µg/mL	+/- 36.5575

54	Diphenylamine	122-39-4	MKCT1512	99%	1,004.9	µg/mL	+/- 36.5621
55	Azobenzene	103-33-3	BCCL3292	99%	1,003.9	µg/mL	+/- 36.5257
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.9	µg/mL	+/- 36.5257
57	Hexachlorobenzene	118-74-1	16302300	99%	1,004.5	µg/mL	+/- 36.5484
58	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,004.9	µg/mL	+/- 36.5621
59	Phenanthrene	85-01-8	MKCV8193	99%	1,003.8	µg/mL	+/- 36.5211
60	Anthracene	120-12-7	MKCW9141	99%	1,003.3	µg/mL	+/- 36.5029
61	Carbazole	86-74-8	15821400	99%	1,003.1	µg/mL	+/- 36.4984
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,004.6	µg/mL	+/- 36.5530
63	Fluoranthene	206-44-0	A0458721	99%	1,004.8	µg/mL	+/- 36.5575
64	Pyrene	129-00-0	BCCL8032	99%	1,003.8	µg/mL	+/- 36.5211
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.9	µg/mL	+/- 36.5621
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5075
67	Benz(a)anthracene	56-55-3	I80012022BAA	99%	1,004.3	µg/mL	+/- 36.5393
68	Chrysene	218-01-9	RP250815RSR	99%	1,003.9	µg/mL	+/- 36.5257
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.5	µg/mL	+/- 36.5484
70	Di-n-octyl phthalate	117-84-0	16197600	99%	1,004.4	µg/mL	+/- 36.5439
71	Benzo(b)fluoranthene	205-99-2	0225BF	99%	1,005.4	µg/mL	+/- 36.5803
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.5	µg/mL	+/- 36.5484
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,002.4	µg/mL	+/- 36.4726
74	Indeno(1,2,3-cd)pyrene	193-39-5	17-YMK-40-2	99%	1,004.0	µg/mL	+/- 36.5302
75	Dibenz(a,h)anthracene	53-70-3	712215450-1-1	99%	1,003.5	µg/mL	+/- 36.5120
76	Benzo(g,h,i)perylene	191-24-2	RP250501RSR	98%	1,003.0	µg/mL	+/- 36.4949

* 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.)

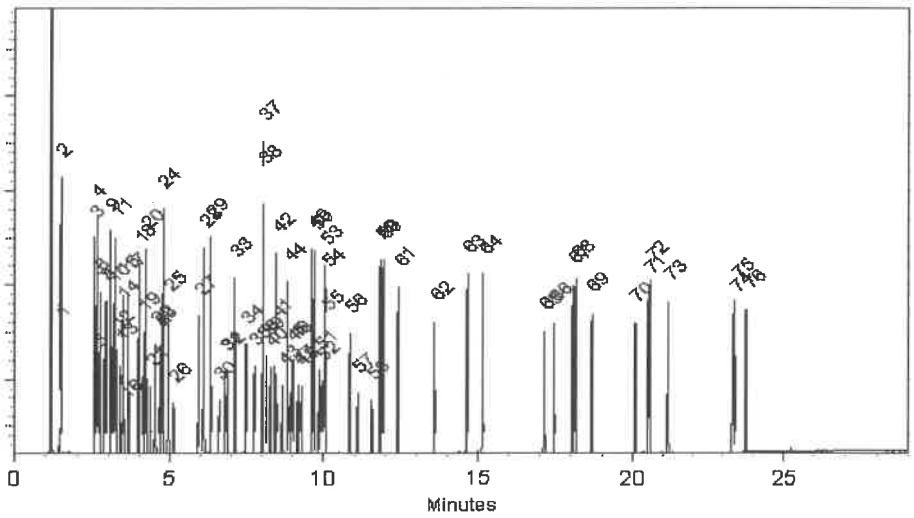
Inj. Temp:
250°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 04-Sep-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech II

Date Passed: 15-Sep-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

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. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

513148
↓
513157
RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
10/27/2025	333294

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
10/29/2025 12:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3469	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW1025	7102-04B
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW1025	7102-05A2
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1025	7102-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW1025	7102-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1025	7102-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW1025	7102-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW1025	7102-09
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1025	7102-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1025	7102-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1025	7102-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1025	7102-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW1025	7102-94B
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1025	7102-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1025	7102-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1025	7102-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1025	7102-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1025	7102-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1025	7102-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1025	7102-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1025	7102-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1025	7102-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW1025	7102-106

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
10/27/2025	333294

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
10/29/2025 12:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3469	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW1025	7102-105

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